

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082719\
 Data File : VU033956.D
 Acq On : 26 Aug 2019 17:50
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Aug 27 06:31:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 27 05:48:22 2019
 Response via : Initial Calibration

Internal Standards R.T. QIon Response Conc Units Dev(Min) 8/27/2019 12:17:01 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.95	168	385572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	618958	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	612831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	327767	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	250431	43.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.00%	
35) Dibromofluoromethane	4.86	113	194571	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
50) Toluene-d8	7.54	98	746281	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	10.29	95	274379	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	230919	45.520	ug/l	100
3) Chloromethane	1.32	50	277102	31.115	ug/l	100
4) Vinyl Chloride	1.39	62	300520	44.730	ug/l	100
5) Bromomethane	1.60	94	144070	51.162	ug/l	100
6) Chloroethane	1.68	64	184659	48.110	ug/l	100
7) Trichlorofluoromethane	1.87	101	347802	48.280	ug/l	100
8) Diethyl Ether	2.09	74	148347	44.571	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	202166	47.161	ug/l	100
10) Methyl Iodide	2.39	142	304785	77.873	ug/l	100
11) Tert butyl alcohol	2.80	59	291601	227.241	ug/l	100
12) 1,1-Dichloroethene	2.27	96	203727	47.689	ug/l	100
13) Acrolein	2.18	56	173671	178.245	ug/l	100
14) Allyl chloride	2.57	41	353696	36.344	ug/l	100
15) Acrylonitrile	2.91	53	782586	220.460	ug/l	100
16) Acetone	2.30	43	761073	203.068	ug/l	100
17) Carbon Disulfide	2.46	76	679579	44.559	ug/l	100
18) Methyl Acetate	2.59	43	359244	37.910	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	704879	44.249	ug/l	100
20) Methylene Chloride	2.68	84	248182	44.166	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	232247	48.234	ug/l	100
22) Diisopropyl ether	3.54	45	768293	40.437	ug/l	100
23) Vinyl Acetate	3.50	43	3410569	215.811	ug/l	100
24) 1,1-Dichloroethane	3.42	63	438348	43.307	ug/l	100
25) 2-Butanone	4.23	43	1091603	214.337	ug/l	100
26) 2,2-Dichloropropane	4.20	77	355838	44.154	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	250386	46.305	ug/l	100
28) Bromochloromethane	4.52	49	201156	43.867	ug/l	100
29) Tetrahydrofuran	4.61	42	688120	211.332	ug/l	100
30) Chloroform	4.65	83	417770	46.818	ug/l	100
31) Cyclohexane	4.97	56	396136	33.614	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	352328	47.458	ug/l	100
36) 1,1-Dichloropropene	5.11	75	317386	47.284	ug/l	100
37) Ethyl Acetate	4.35	43	387238	45.309	ug/l	100
38) Carbon Tetrachloride	5.11	117	304799	54.622	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	8/27/2019 12:17:01 PM
39) Methylcyclohexane	6.39	83	371066	45.482	ug/l	100	
40) Benzene	5.36	78	953508	48.159	ug/l	100	
41) Methacrylonitrile	4.51	41	204900	43.987	ug/l	100	
42) 1,2-Dichloroethane	5.38	62	348548	49.884	ug/l	100	
43) Isopropyl Acetate	5.52	43	582818	43.401	ug/l	100	
44) Trichloroethene	6.16	130	236593	52.551	ug/l	100	
45) 1,2-Dichloropropane	6.41	63	263671	47.735	ug/l	100	
46) Dibromomethane	6.54	93	167332	50.280	ug/l	100	
47) Bromodichloromethane	6.73	83	338783	51.854	ug/l	100	
48) Methyl methacrylate	6.60	41	282078	42.514	ug/l	100	
49) 1,4-Dioxane	6.59	88	123178	1110.398	ug/l	100	
51) 4-Methyl-2-Pentanone	7.44	43	1991509	231.998	ug/l	100	
52) Toluene	7.62	92	580566	49.639	ug/l	100	
53) t-1,3-Dichloropropene	7.86	75	377306	49.181	ug/l	100	
54) cis-1,3-Dichloropropene	7.25	75	411445	49.372	ug/l	100	
55) 1,1,2-Trichloroethane	8.05	97	242520	52.136	ug/l	100	
56) Ethyl methacrylate	8.00	69	370592	47.466	ug/l	100	
57) 1,3-Dichloropropane	8.22	76	428752	49.756	ug/l	100	
58) 2-Chloroethyl Vinyl ether	7.11	63	686233	178.787	ug/l	100	
59) 2-Hexanone	8.34	43	1538930	226.663	ug/l	100	
60) Dibromochloromethane	8.46	129	253217	54.568	ug/l	100	
61) 1,2-Dibromoethane	8.57	107	258669	52.847	ug/l	100	
64) Tetrachloroethene	8.21	164	208350	50.582	ug/l	100	
65) Chlorobenzene	9.10	112	616861	47.551	ug/l	100	
66) 1,1,1,2-Tetrachloroethane	9.19	131	228181	54.075	ug/l	100	
67) Ethyl Benzene	9.23	91	1096279	46.292	ug/l	100	
68) m/p-Xylenes	9.35	106	830937	96.189	ug/l	100	
69) o-Xylene	9.76	106	393790	47.033	ug/l	100	
70) Styrene	9.77	104	699098	49.859	ug/l	100	
71) Bromoform	9.94	173	194574	54.217	ug/l #	100	
73) Isopropylbenzene	10.15	105	1070289	43.478	ug/l	100	
74) N-amyl acetate	10.00	43	498396	36.195	ug/l	100	
75) 1,1,2,2-Tetrachloroethane	10.44	83	418882	44.328	ug/l	100	
76) 1,2,3-Trichloropropane	10.48	75	357653m	43.528	ug/l		
77) Bromobenzene	10.43	156	271011	46.611	ug/l	100	
78) n-propylbenzene	10.57	91	1299495	42.689	ug/l	100	
79) 2-Chlorotoluene	10.64	91	752890	42.928	ug/l	100	
80) 1,3,5-Trimethylbenzene	10.75	105	926676	45.342	ug/l	100	
81) trans-1,4-Dichloro-2-buten	10.49	75	148526m	41.478	ug/l		
82) 4-Chlorotoluene	10.75	91	889250	42.661	ug/l	100	
83) tert-Butylbenzene	11.08	119	866275	44.080	ug/l	100	
84) 1,2,4-Trimethylbenzene	11.13	105	935454	44.510	ug/l	100	
85) sec-Butylbenzene	11.31	105	1083536	43.152	ug/l	100	
86) p-Isopropyltoluene	11.46	119	998444	46.178	ug/l	100	
87) 1,3-Dichlorobenzene	11.40	146	502152	45.690	ug/l	100	
88) 1,4-Dichlorobenzene	11.49	146	500059	44.067	ug/l	100	
89) n-Butylbenzene	11.87	91	937065	43.360	ug/l	100	
90) Hexachloroethane	12.13	117	176987	52.792	ug/l	100	
91) 1,2-Dichlorobenzene	11.86	146	487597	44.519	ug/l	100	
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92817	45.397	ug/l	100	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	8/27/2019 12:17:01 PM
93) 1,2,4-Trichlorobenzene	13.49	180	331124	42.283	ug/l	100	
94) Hexachlorobutadiene	13.67	225	181661	49.526	ug/l	100	
95) Naphthalene	13.73	128	994620	38.755	ug/l	100	
96) 1,2,3-Trichlorobenzene	13.97	180	329187	41.930	ug/l	100	

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

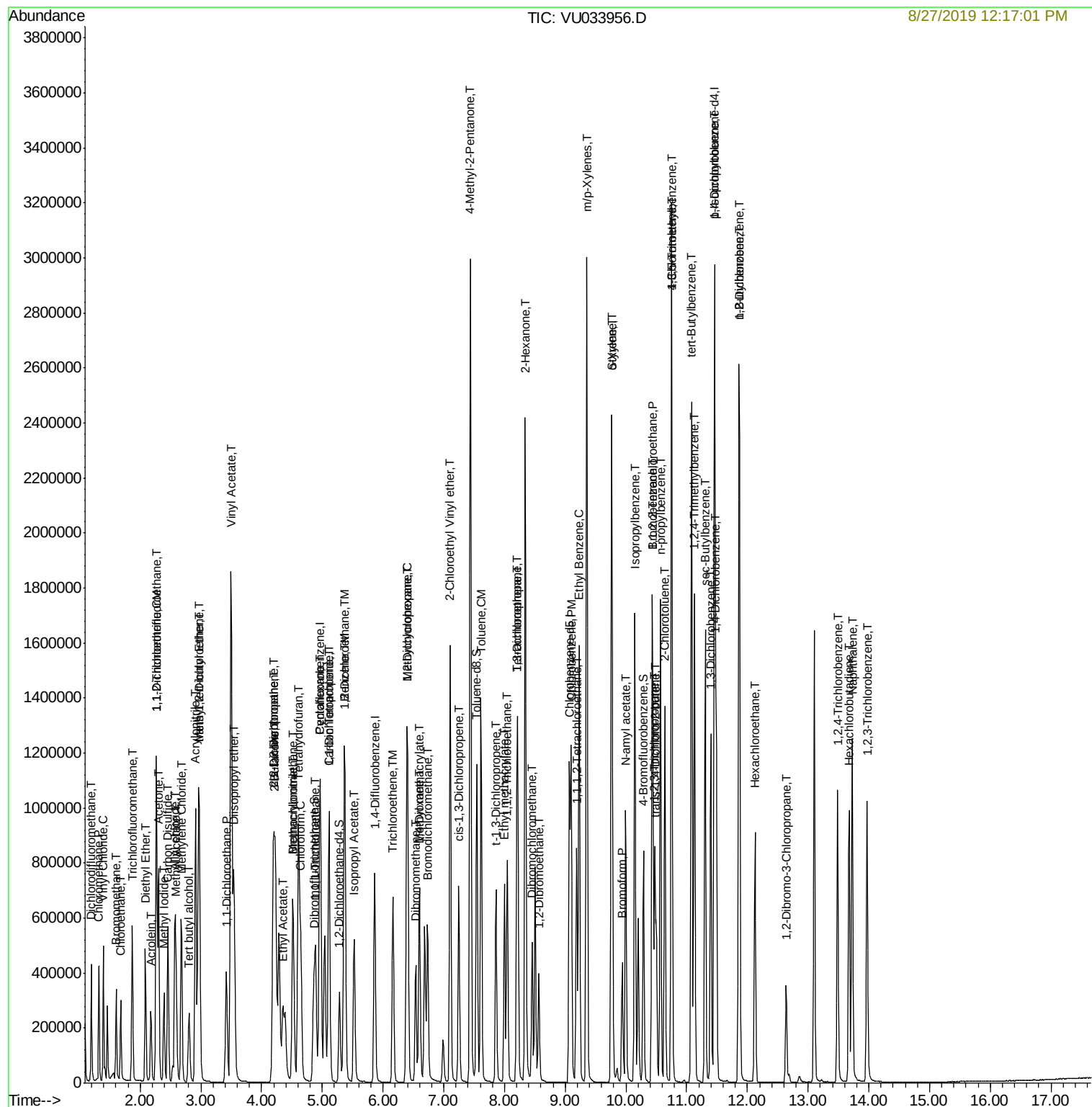
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU082719\
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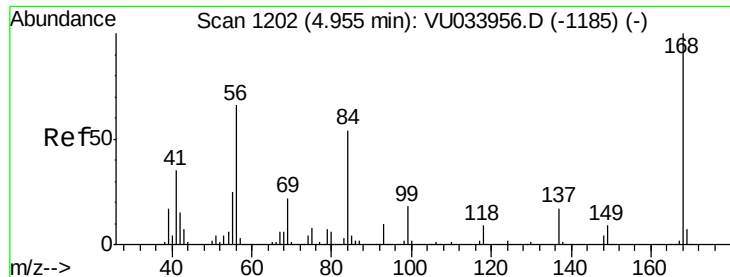
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.95 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 385572

Ion Ratio Lower Upper

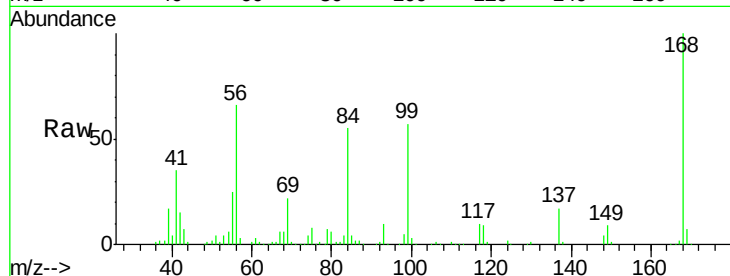
168 100

99 56.9 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033956.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU033956.D (-1185) (-)

4.95

200000

150000

100000

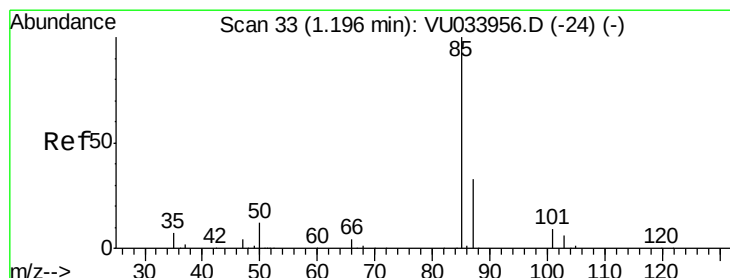
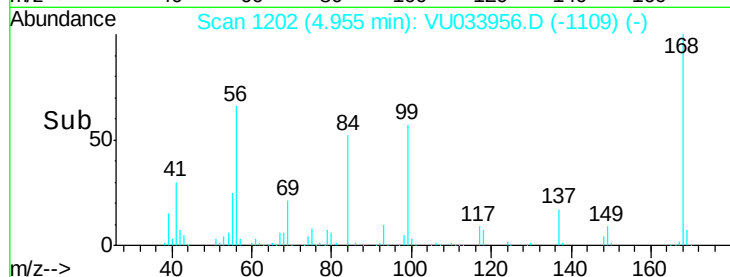
50000

0

4.90 5.00 5.10

Time-->

8/27/2019 12:17:01 PM



#2

Dichlorodifluoromethane

Concen: 45.520 ug/l

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033956.D

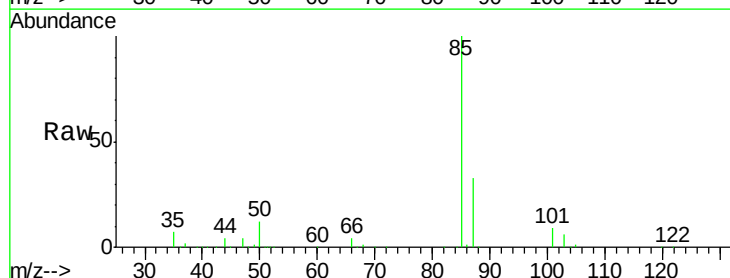
Acq: 26 Aug 2019 17:50

Tgt Ion: 85 Resp: 230919

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VU033956.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VU033956.D (-24) (-)

1.20

250000

200000

150000

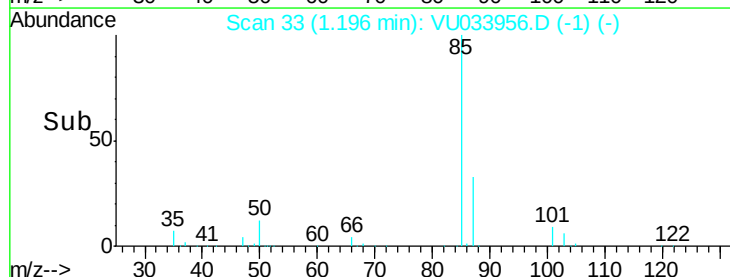
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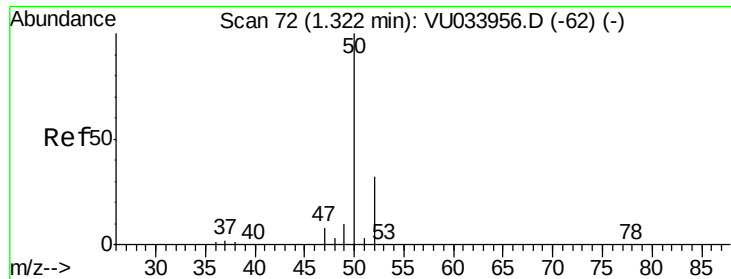
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 31.115 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 277102

Ion Ratio Lower Upper

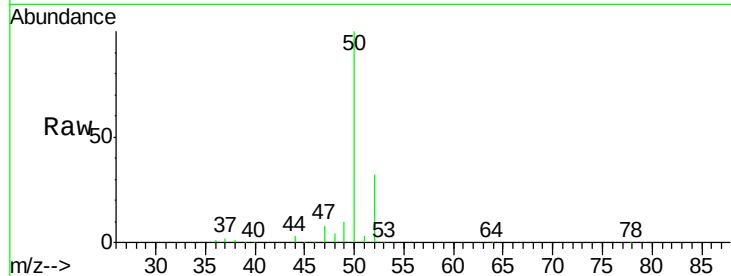
50 100

52 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU033956.D (-62) (-)

Ion 51.90 (51.60 to 52.60): VU033956.D (-62) (-)

1.32

250000

200000

150000

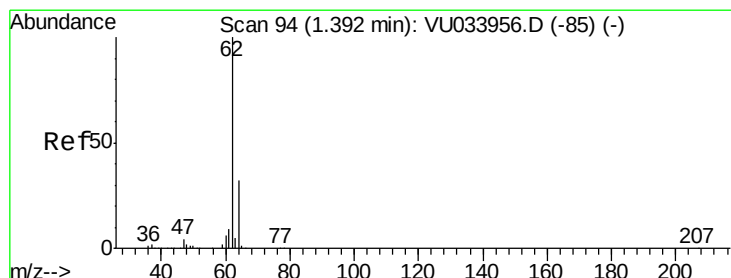
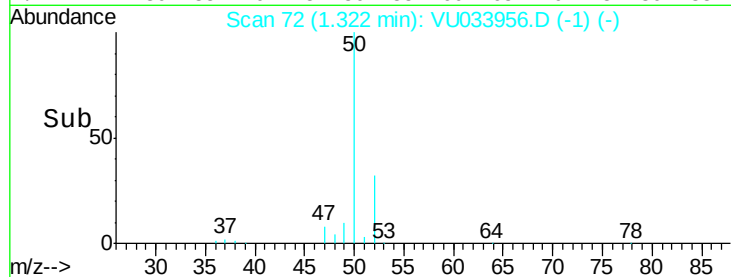
100000

50000

0

Time--> 1.25 1.30 1.35

8/27/2019 12:17:01 PM



#4

Vinyl Chloride

Concen: 44.730 ug/l

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033956.D

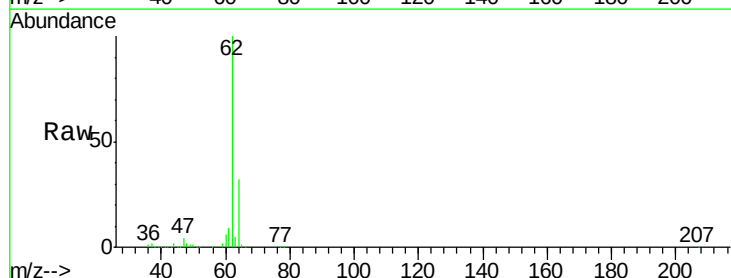
Acq: 26 Aug 2019 17:50

Tgt Ion: 62 Resp: 300520

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VU033956.D (-85) (-)

Ion 63.90 (63.60 to 64.60): VU033956.D (-85) (-)

1.39

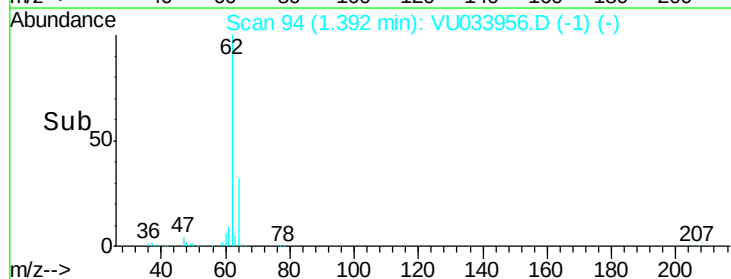
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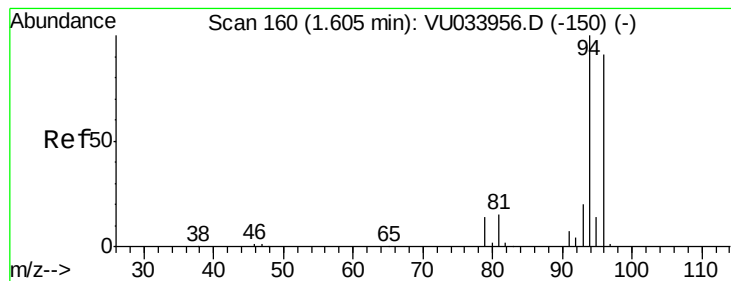
200000

100000

0

Time--> 1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 51.162 ug/l

RT: 1.60 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 144070

Ion Ratio Lower Upper

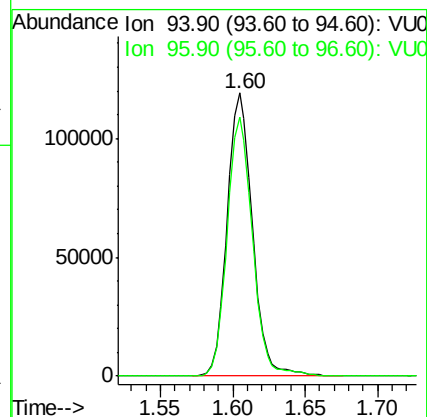
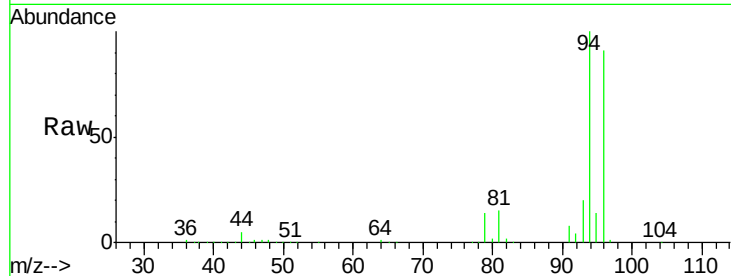
94 100

96 91.5 73.2 109.8

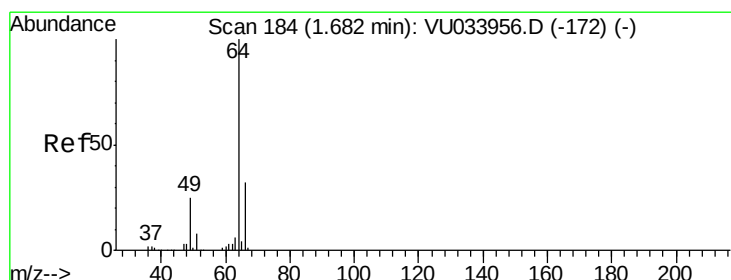
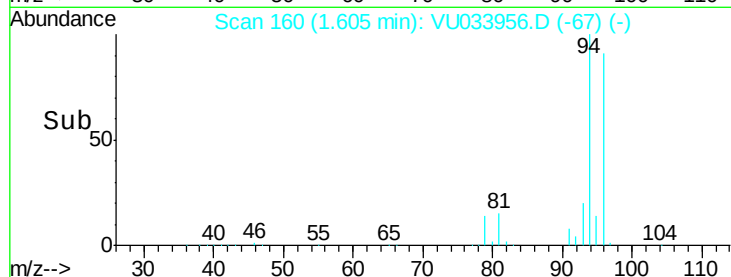
Manual Integrations

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#6

Chloroethane

Concen: 48.110 ug/l

RT: 1.68 min Scan# 184

Delta R.T. 0.00 min

Lab File: VU033956.D

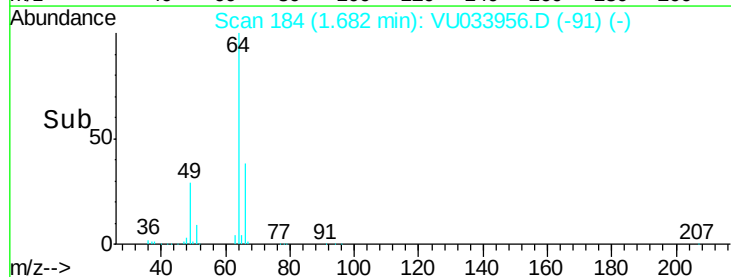
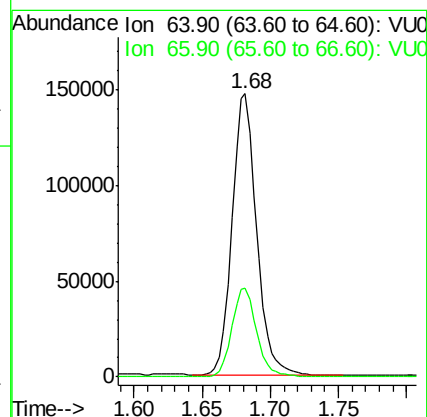
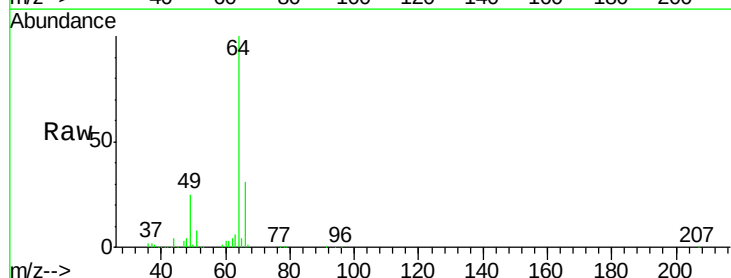
Acq: 26 Aug 2019 17:50

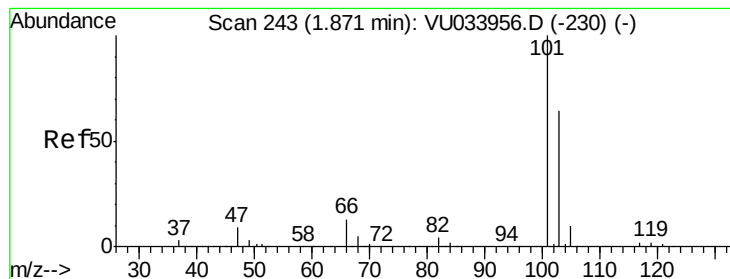
Tgt Ion: 64 Resp: 184659

Ion Ratio Lower Upper

64 100

66 31.4 25.1 37.7





#7

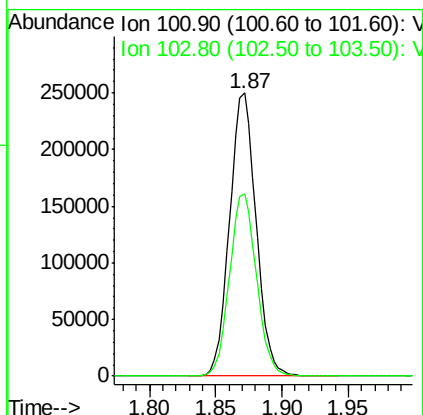
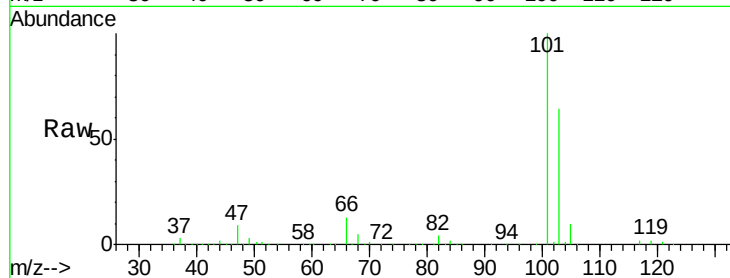
Trichlorofluoromethane
 Concen: 48.280 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

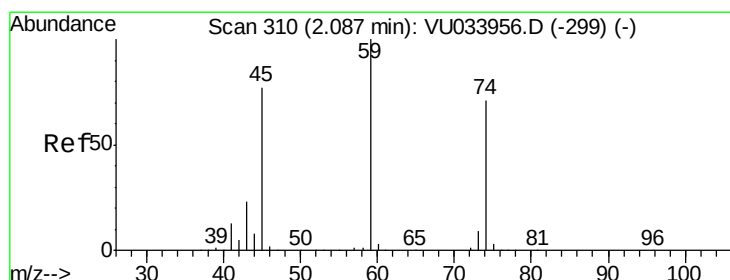
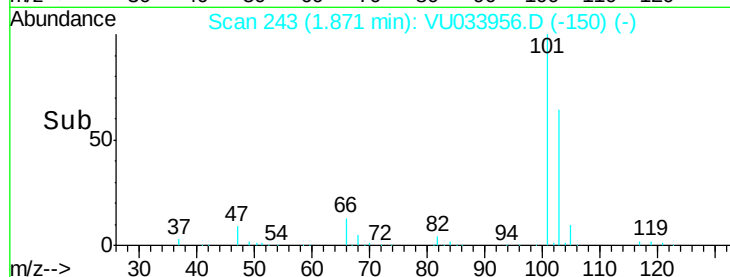
Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

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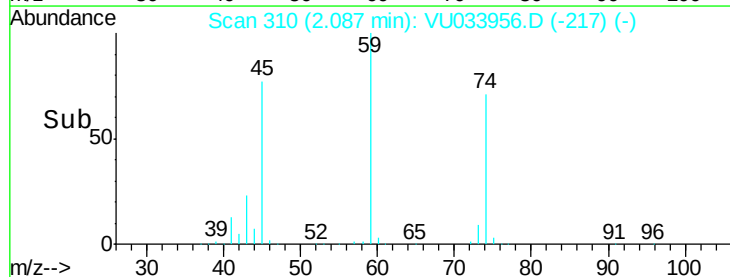
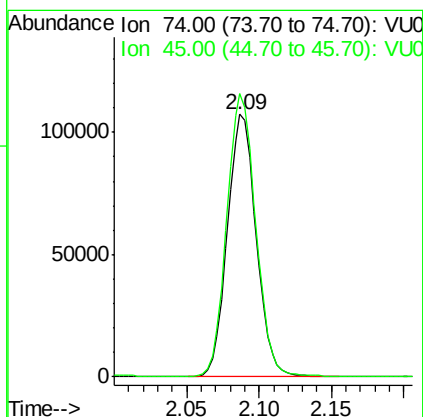
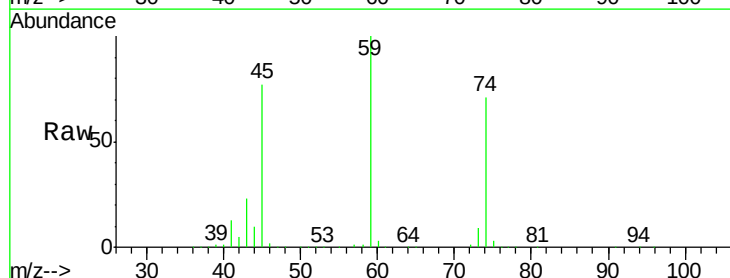
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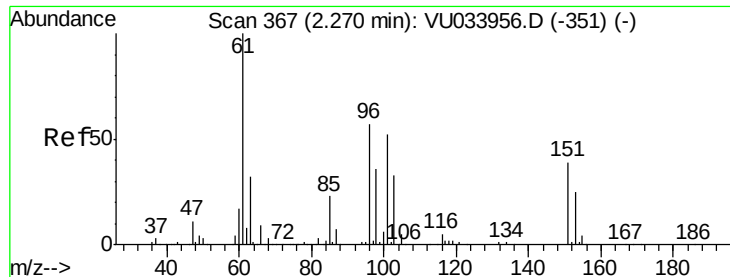


#8

Diethyl Ether
 Concen: 44.571 ug/l
 RT: 2.09 min Scan# 310
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	53.9	161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.161 ug/l

RT: 2.27 min Scan# 367

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

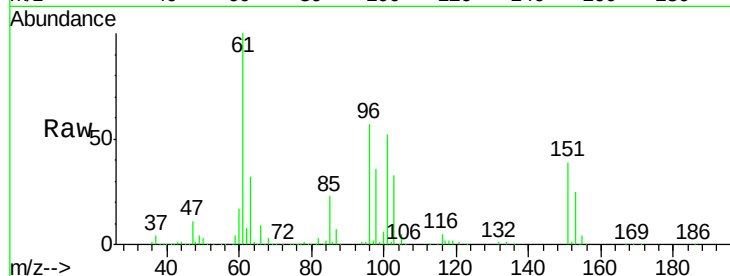
ClientSampleId :

VSTDICCC050

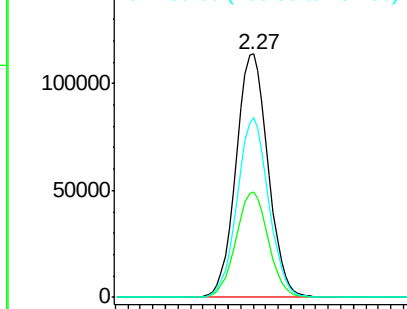
Tot Ion	Ratio	Resp	Lower	Upper
101	100	202166		
85	43.8	35.0	52.6	
151	72.4	57.9	86.9	

Manual Integrations
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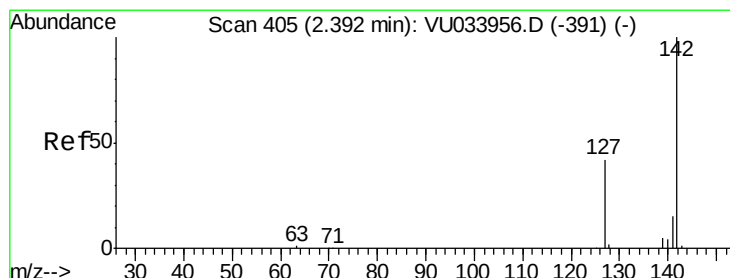
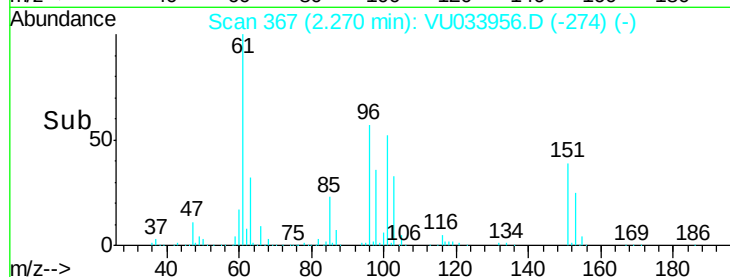
MMDadoda



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VU
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 77.873 ug/l

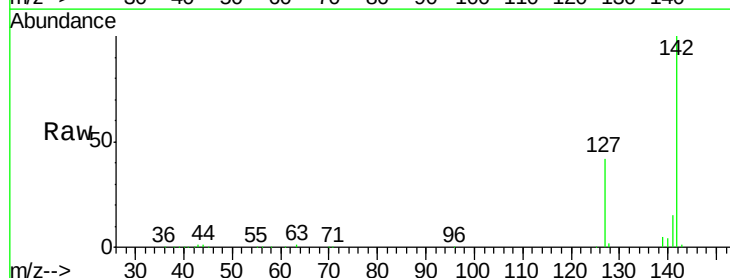
RT: 2.39 min Scan# 405

Delta R.T. 0.00 min

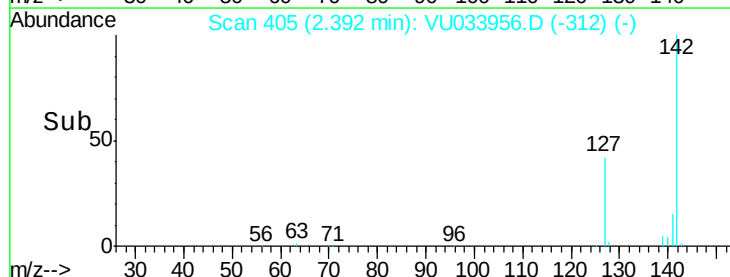
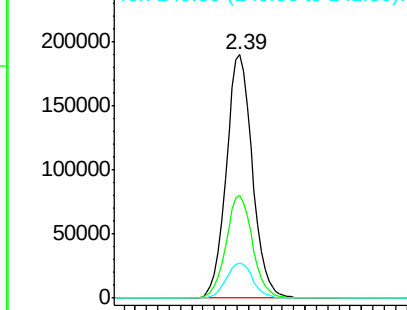
Lab File: VU033956.D

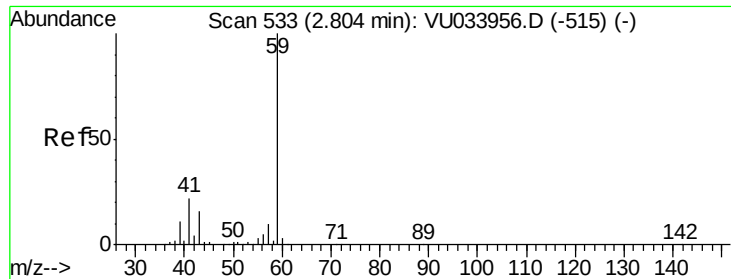
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	304785		
127	42.9	34.3	51.5	
141	14.7	11.8	17.6	



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





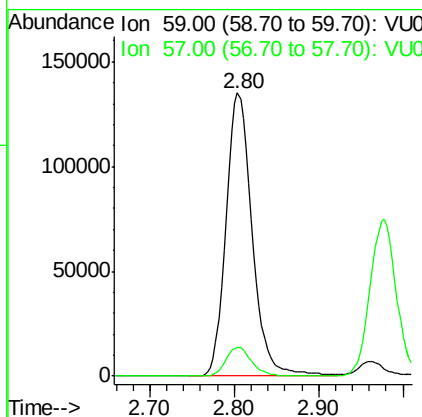
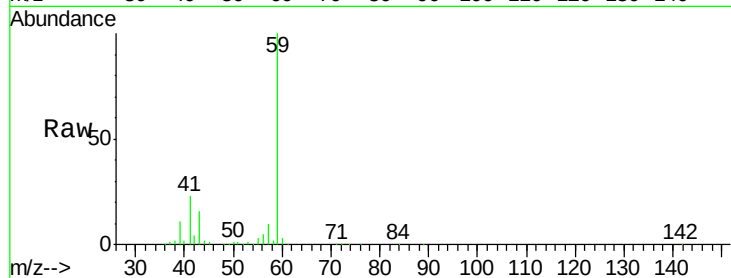
#11
Tert butyl alcohol
Concen: 227.241 ug/l
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

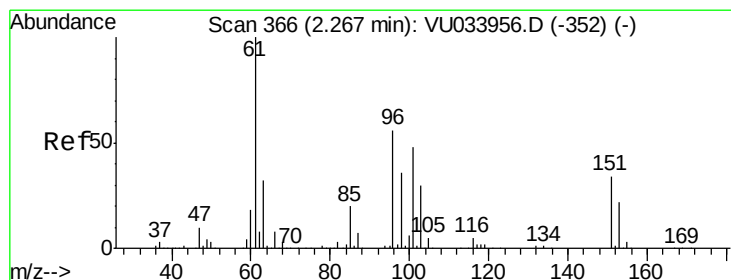
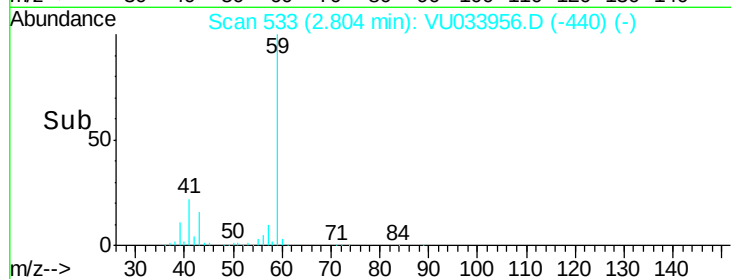
Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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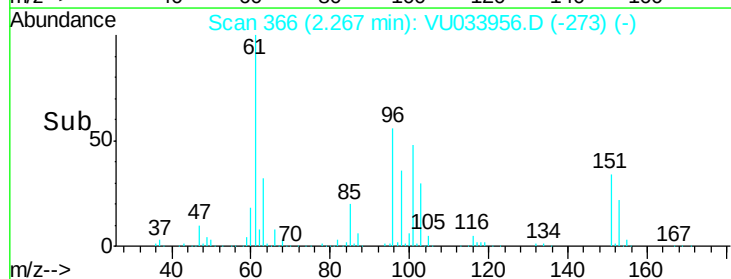
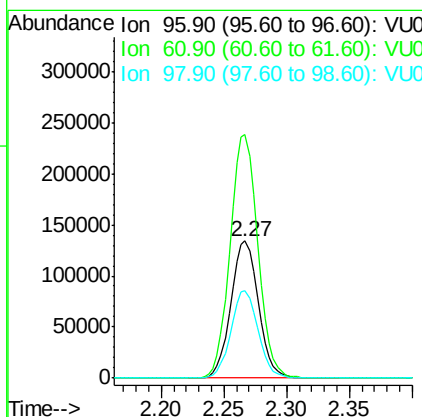
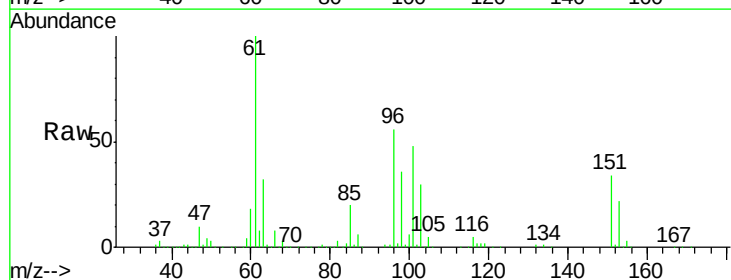


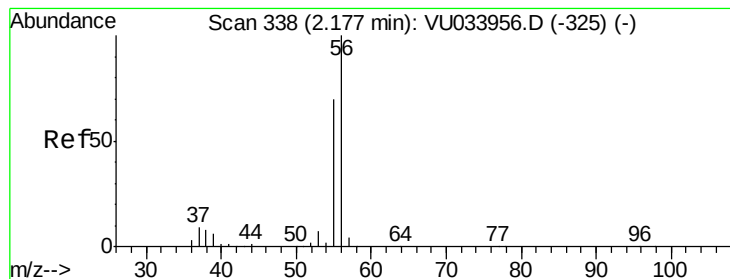
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#12
1,1-Dichloroethene
Concen: 47.689 ug/l
RT: 2.27 min Scan# 366
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.9	142.3	213.5
98	63.8	51.0	76.6





#13

Acrolein

Concen: 178.245 ug/l

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 173671

Ion Ratio Lower Upper

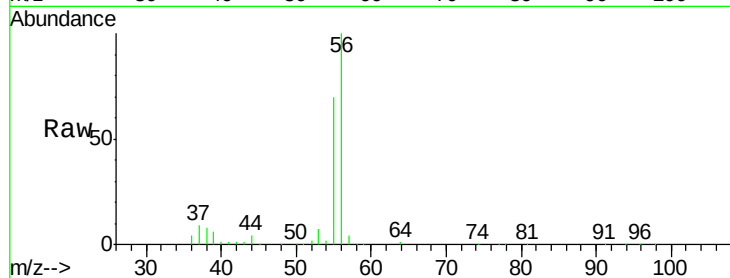
56 100

55 70.4 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VU033956.D (-325) (-)

Ion 55.00 (54.70 to 55.70): VU033956.D (-325) (-)

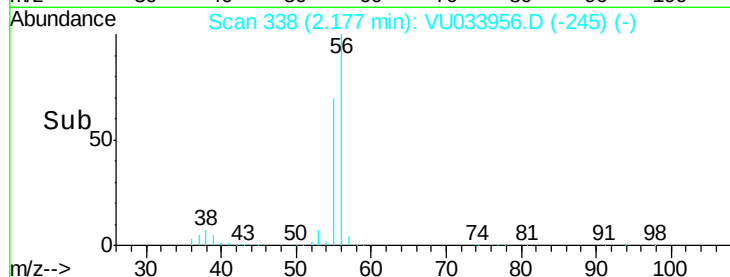
2.18

100000

50000

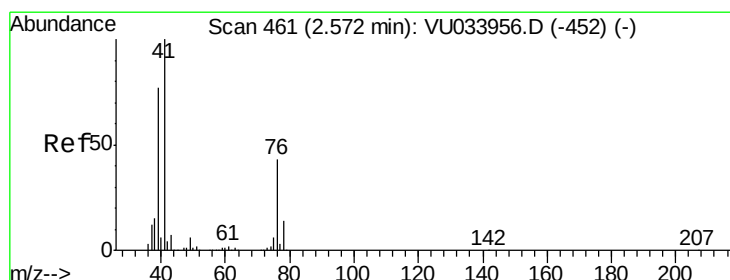
0

Time-->



Time-->

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#14

Allyl chloride

Concen: 36.344 ug/l

RT: 2.57 min Scan# 461

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

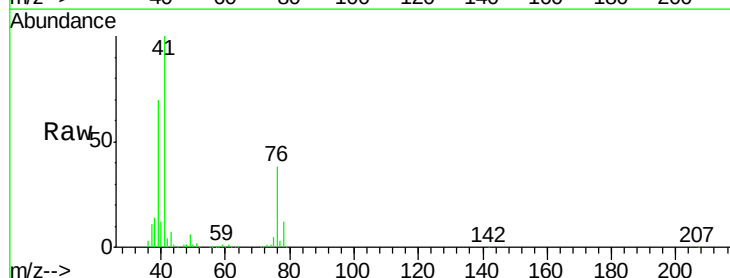
Tgt Ion: 41 Resp: 353696

Ion Ratio Lower Upper

41 100

39 70.6 56.4 84.6

76 36.5 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VU033956.D (-452) (-)

Ion 39.00 (38.70 to 39.70): VU033956.D (-452) (-)

Ion 75.90 (75.60 to 76.60): VU033956.D (-452) (-)

2.57

250000

200000

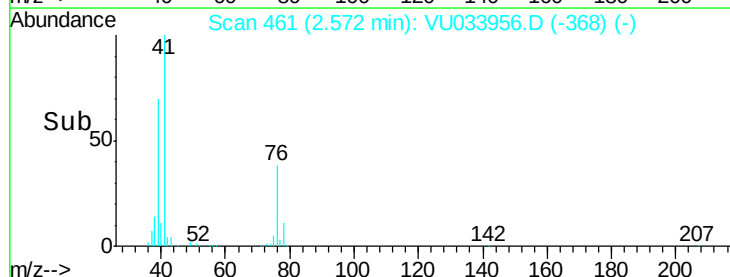
150000

100000

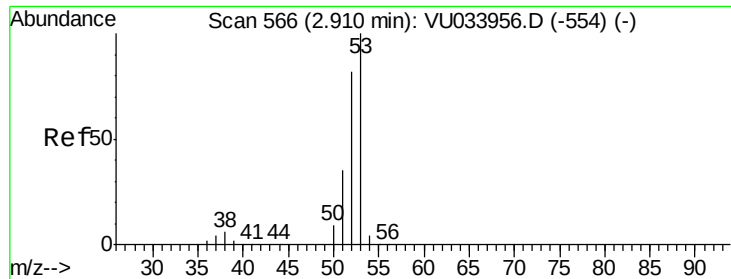
50000

0

Time-->



Time-->



#15

Acrylonitrile

Concen: 220.460 ug/l

RT: 2.91 min Scan# 566

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

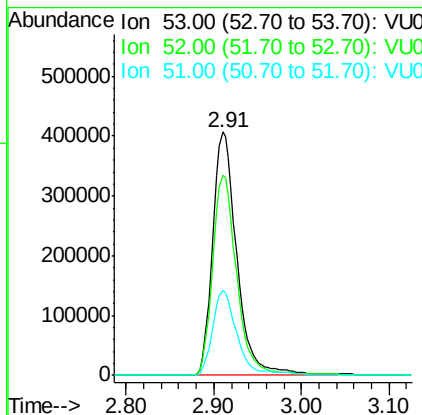
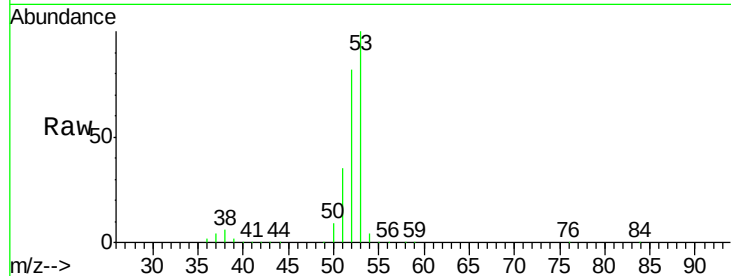
ClientSampleId :

VSTDICCC050

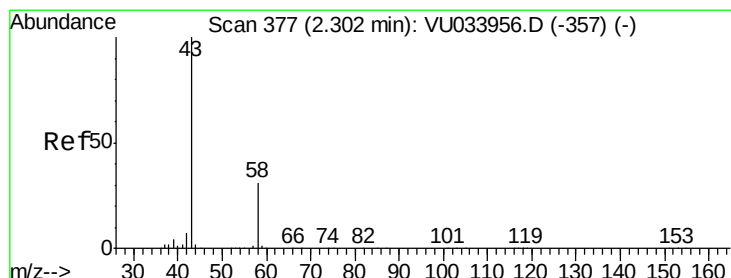
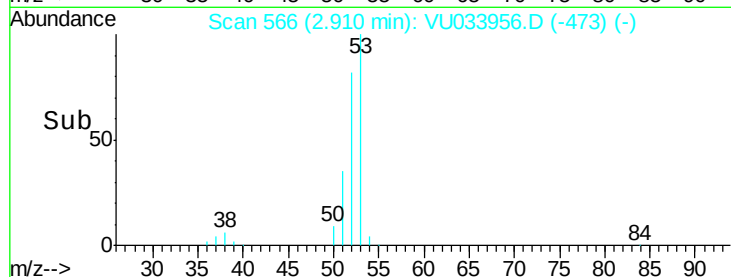
Tot Ion:	53	Resp:	782586
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 203.068 ug/l

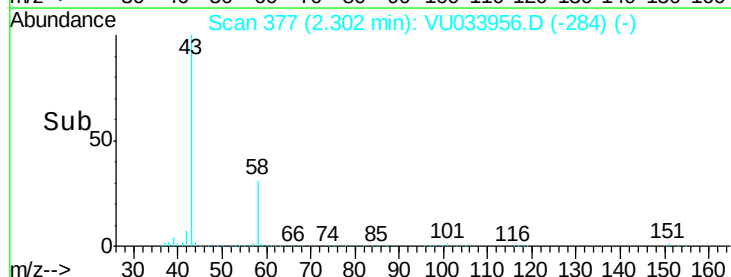
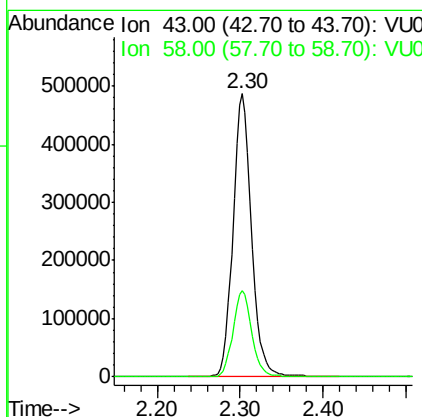
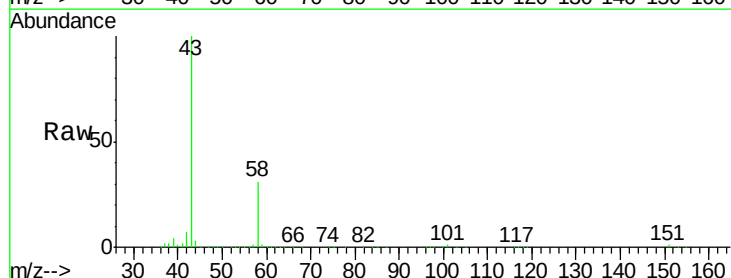
RT: 2.30 min Scan# 377

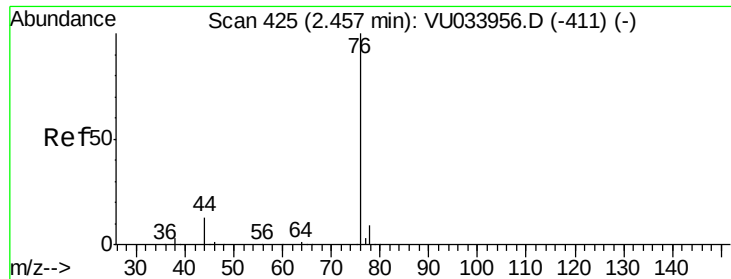
Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion:	43	Resp:	761073
Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.5	36.7





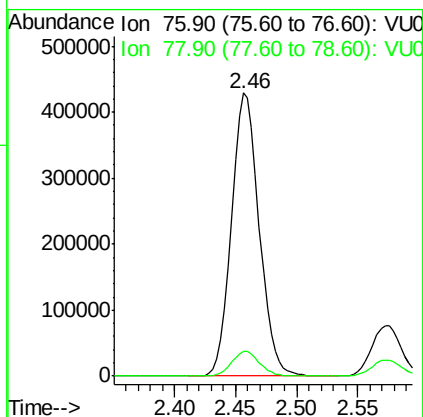
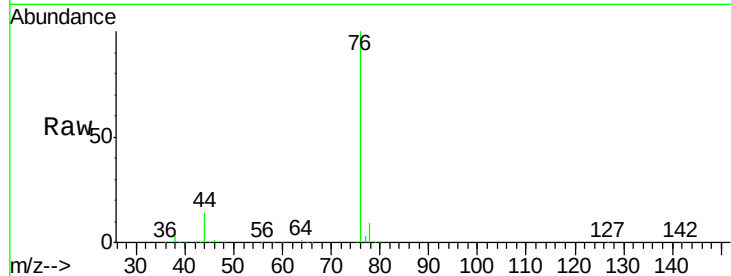
#17
Carbon Disulfide
Concen: 44.559 ug/l
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

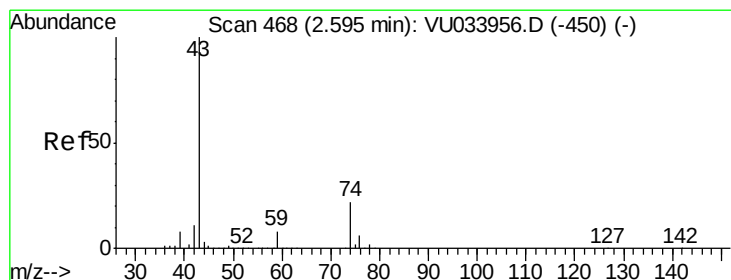
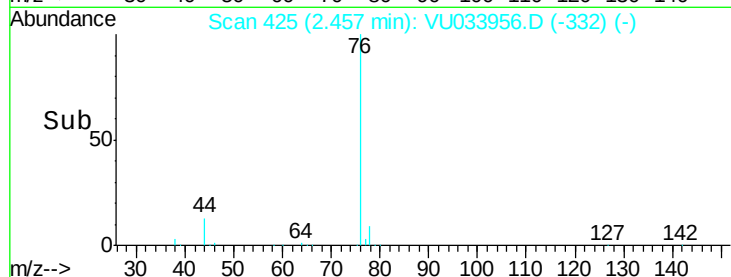
Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

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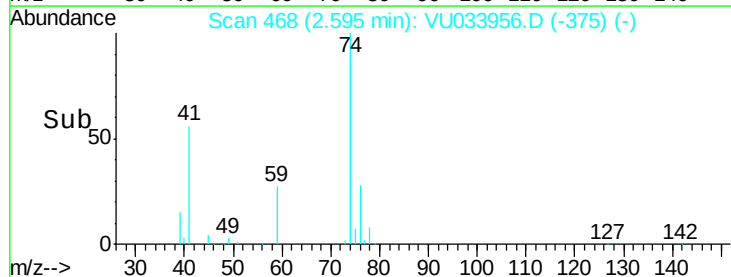
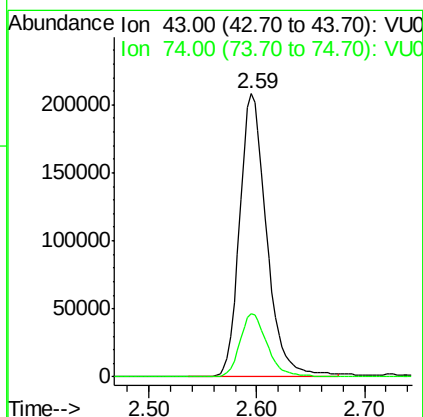
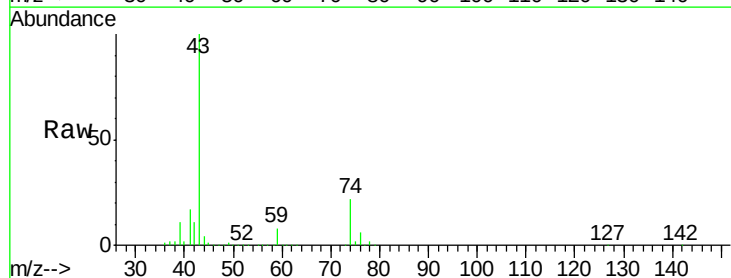


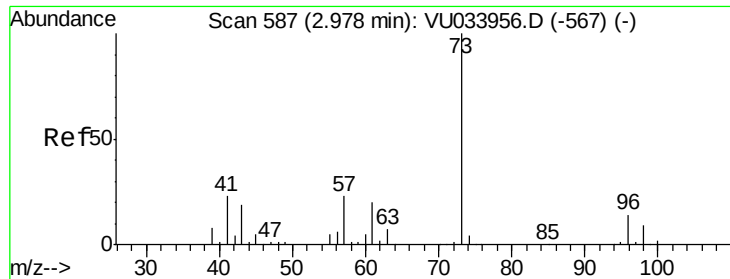
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#18
Methyl Acetate
Concen: 37.910 ug/l
RT: 2.59 min Scan# 468
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.2	27.2





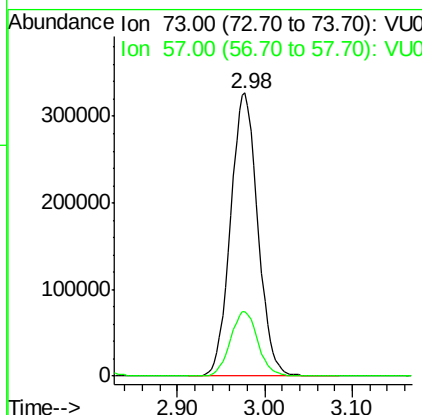
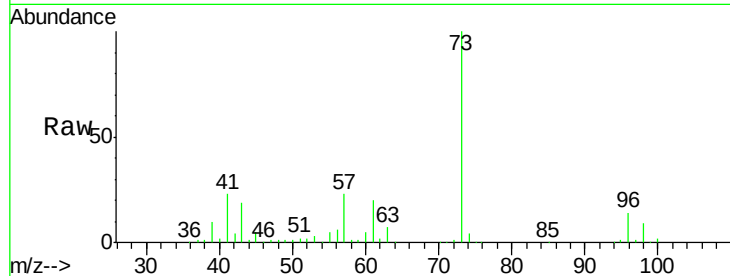
#19
Methyl tert-butyl Ether
Concen: 44.249 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

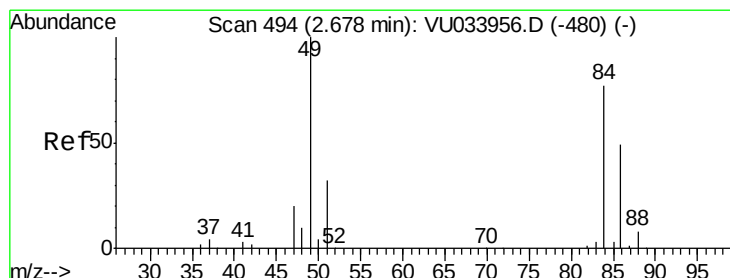
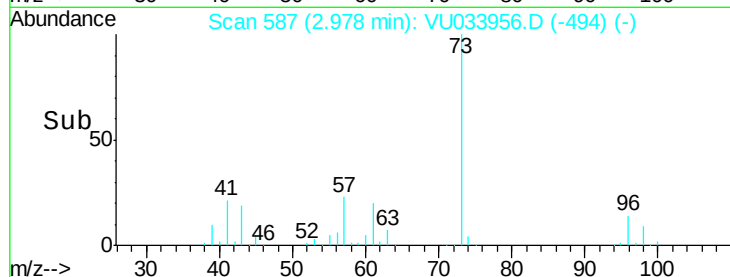
Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.3	27.5

Manual Integrations
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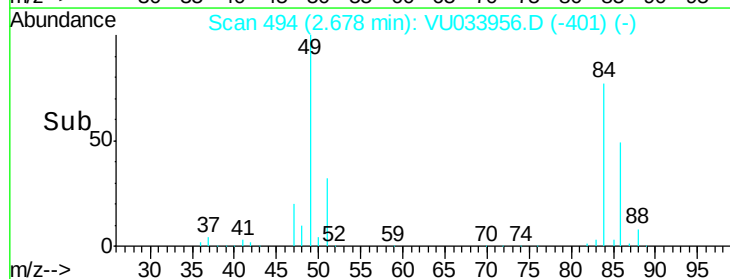
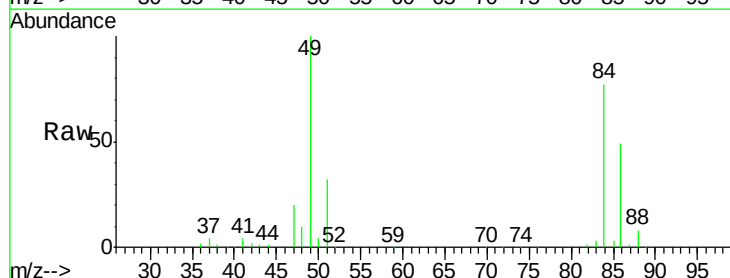
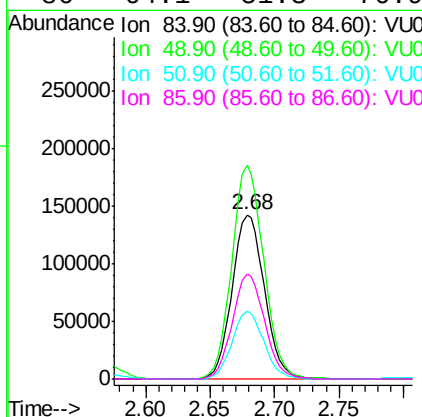


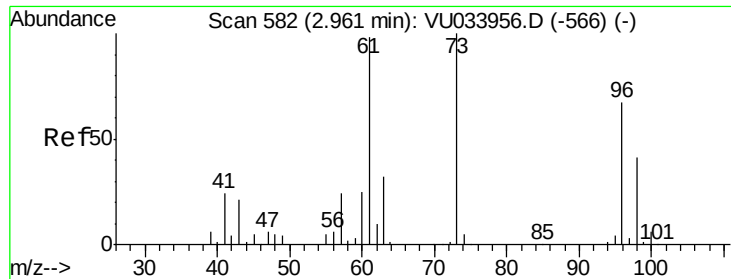
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#20
Methylene Chloride
Concen: 44.166 ug/l
RT: 2.68 min Scan# 494
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.1	104.1	156.1
51	41.3	33.0	49.6
86	64.1	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 48.234 ug/l

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

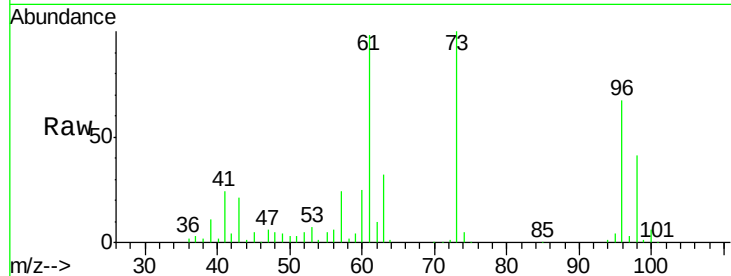
ClientSampleId :

VSTDICCC050

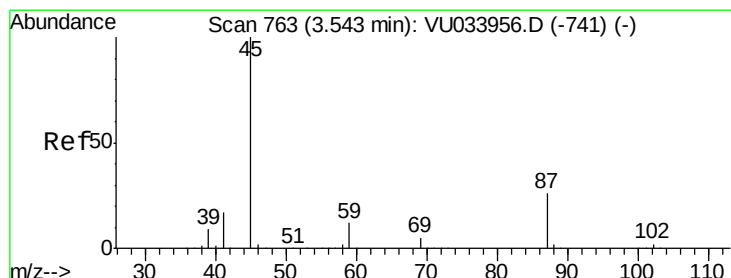
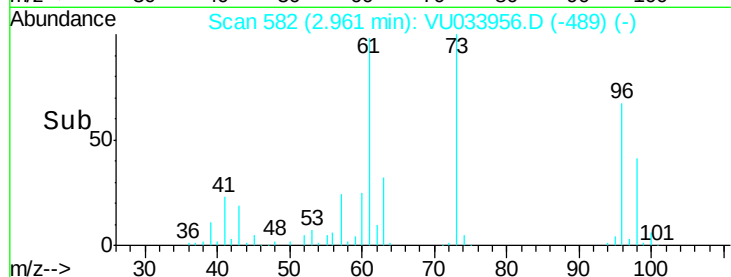
Tot Ion:	96	Resp:	232247
Ion	Ratio	Lower	Upper
96	100		
61	147.3	117.8	176.8
98	62.3	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 40.437 ug/l

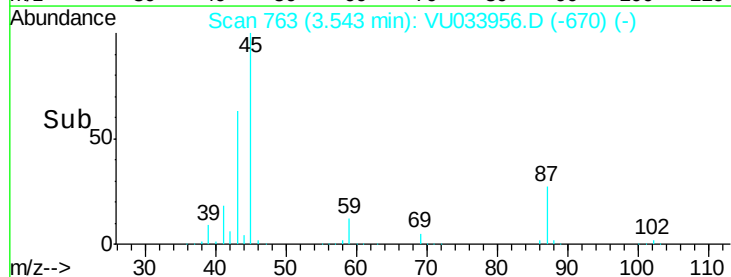
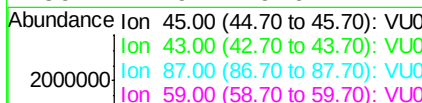
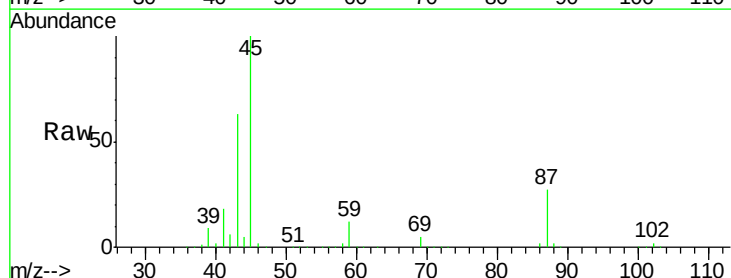
RT: 3.54 min Scan# 763

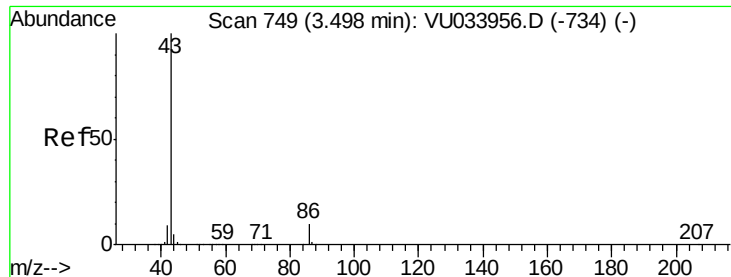
Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion:	45	Resp:	768293
Ion	Ratio	Lower	Upper
45	100		
43	62.9	50.6	76.0
87	26.4	21.2	31.8
59	11.9	9.6	14.4





#23

Vinyl Acetate

Concen: 215.811 ug/l

RT: 3.50 min Scan# 749

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3410569

Ion Ratio Lower Upper

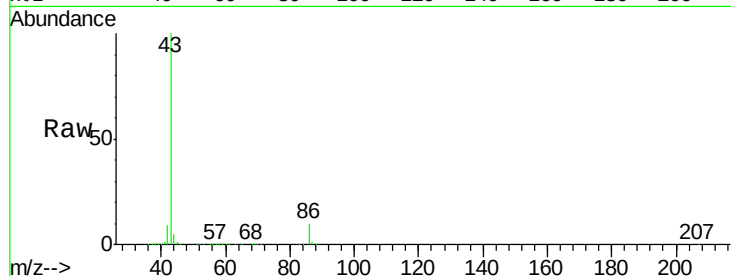
43 100

86 10.3 8.2 12.4

Manual Integrations

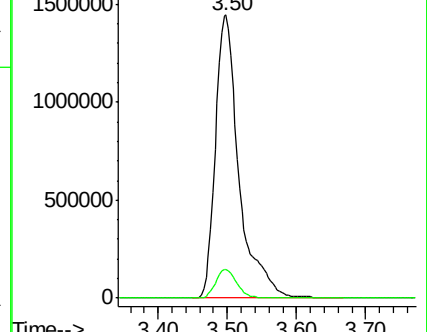
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MMDadoda

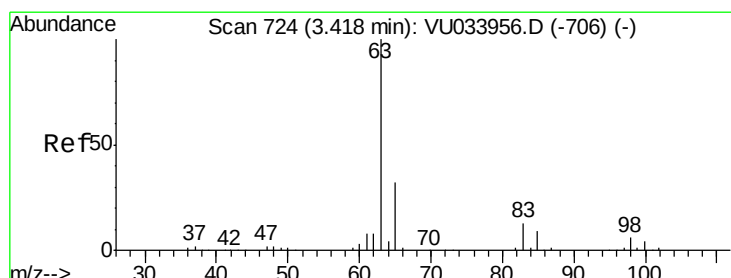
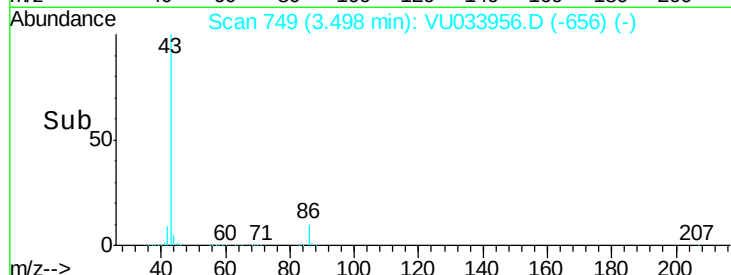


Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-656) (-)

Ion 86.00 (85.70 to 86.70): VU033956.D (-656) (-)



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#24

1,1-Dichloroethane

Concen: 43.307 ug/l

RT: 3.42 min Scan# 724

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

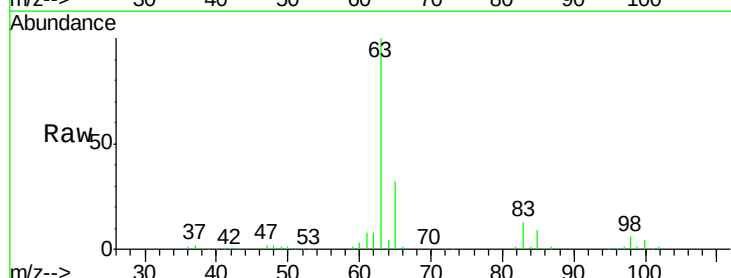
Tgt Ion: 63 Resp: 438348

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

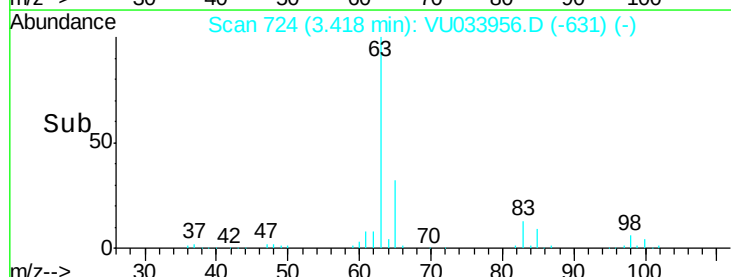
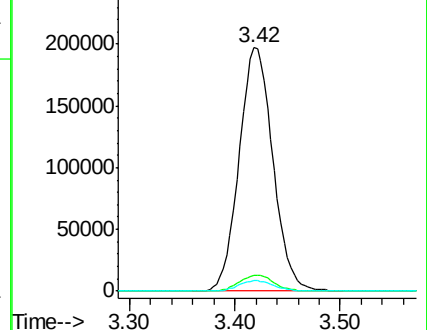
100 4.3 2.1 6.5

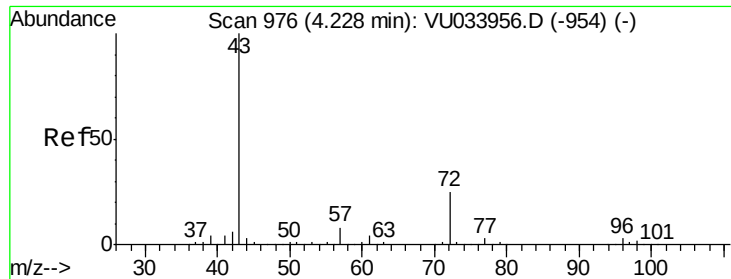


Abundance Ion 62.90 (62.60 to 63.60): VU033956.D (-631) (-)

Ion 97.90 (97.60 to 98.60): VU033956.D (-631) (-)

Ion 99.90 (99.60 to 100.60): VU033956.D (-631) (-)





#25

2-Butanone

Concen: 214.337 ug/l

RT: 4.23 min Scan# 976

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1091603

Ion Ratio Lower Upper

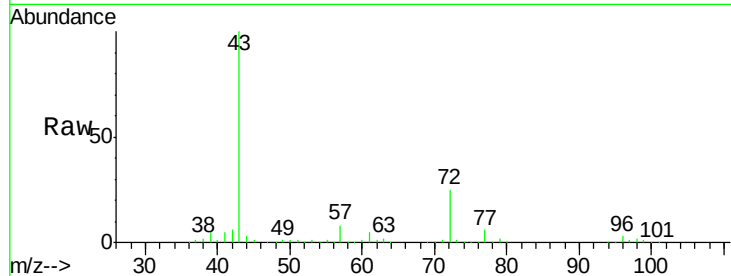
43 100

72 25.4 20.3 30.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU033956.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU033956.D (-954) (-)

4.23

500000

400000

300000

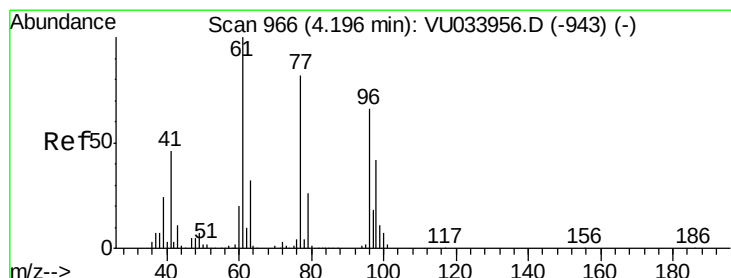
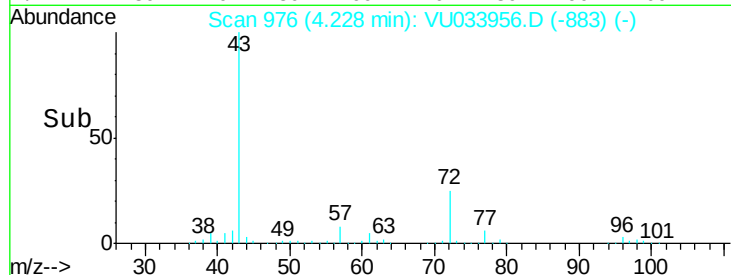
200000

100000

0

Time-->

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#26

2,2-Dichloropropane

Concen: 44.154 ug/l

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033956.D

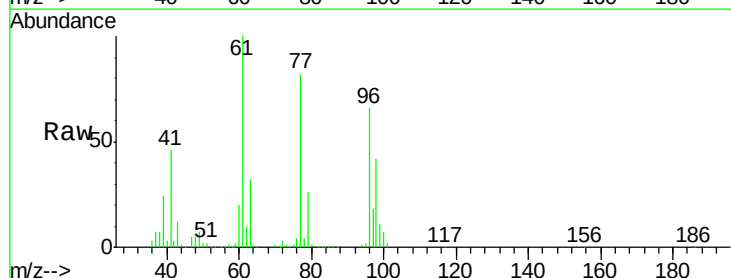
Acq: 26 Aug 2019 17:50

Tgt Ion: 77 Resp: 355838

Ion Ratio Lower Upper

77 100

97 22.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VU033956.D (-943) (-)

Ion 96.90 (96.60 to 97.60): VU033956.D (-943) (-)

4.20

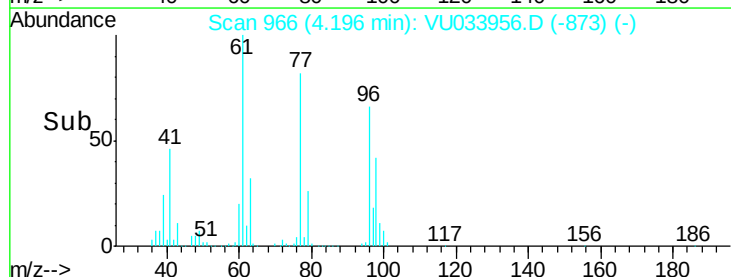
150000

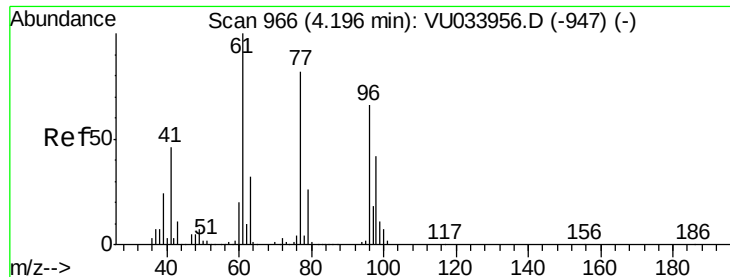
100000

50000

0

Time-->





#27

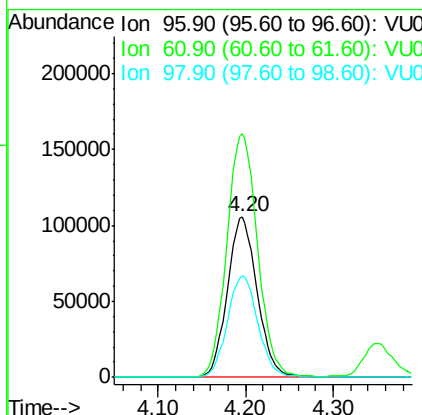
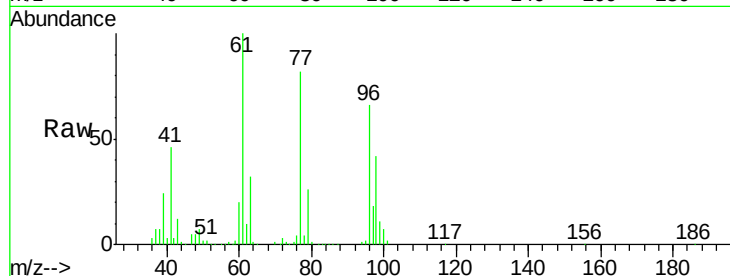
cis-1,2-Dichloroethene
Concen: 46.305 ug/l
RT: 4.20 min Scan# 966
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

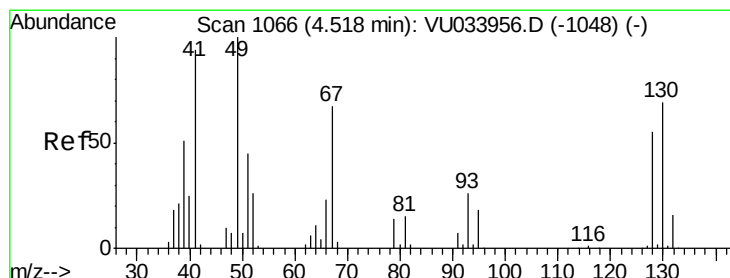
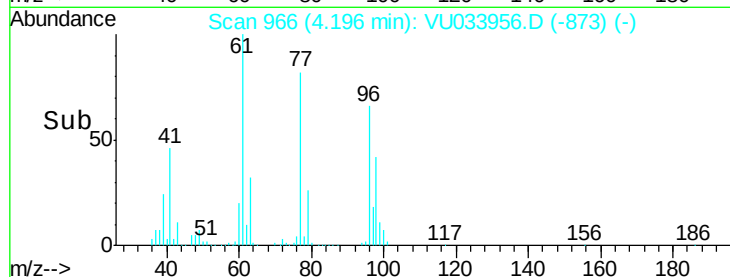
Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	156.1	0.0	312.2	
98	64.7	0.0	129.4	

Manual Integrations
APPROVED

MMDadoda



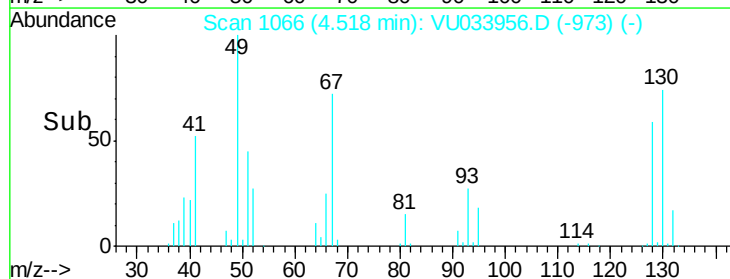
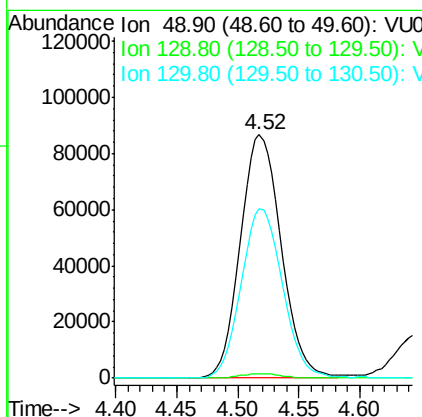
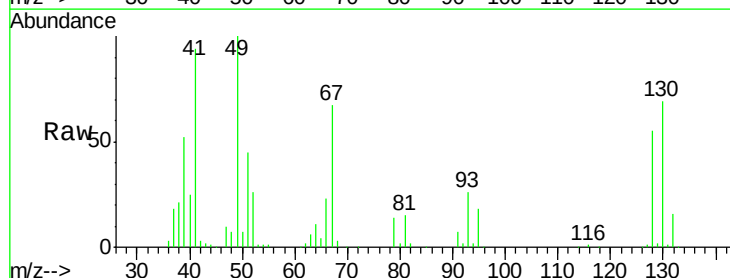
8/27/2019 12:17:01 PM

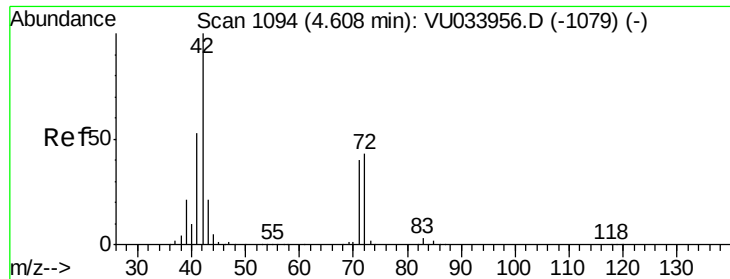


#28

Bromochloromethane
Concen: 43.867 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	70.3	56.2	84.4	





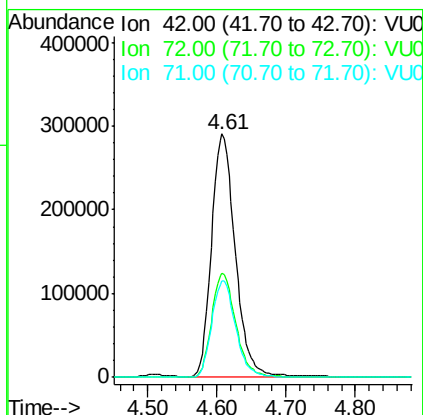
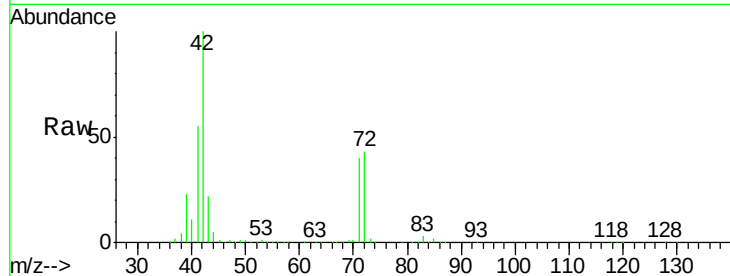
#29
Tetrahydrofuran
Concen: 211.332 ug/l
RT: 4.61 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

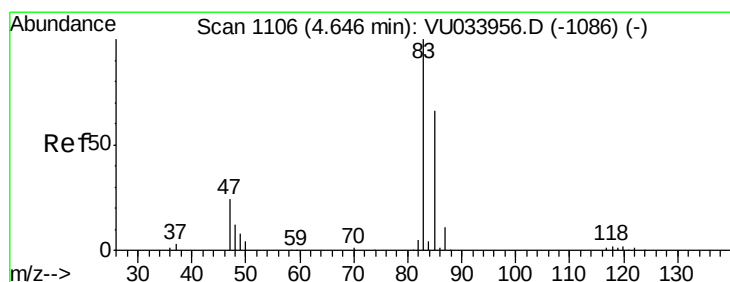
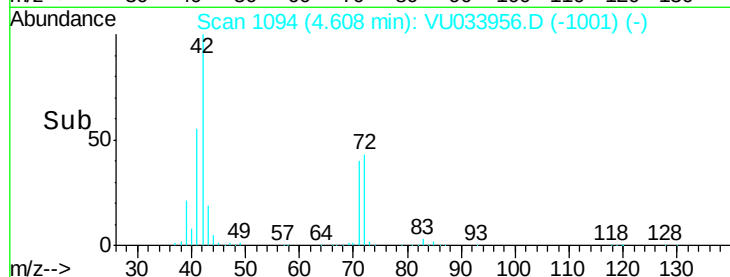
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	34.6	52.0
71	40.1	32.1	48.1

Manual Integrations
APPROVED

MMDadoda

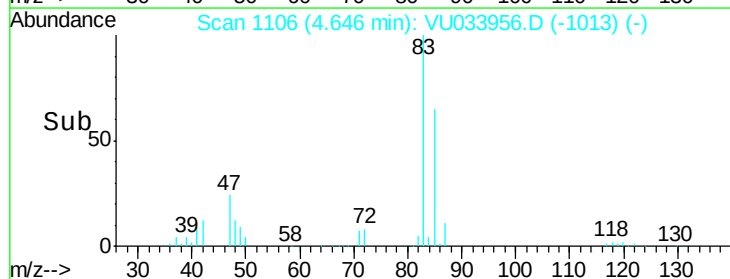
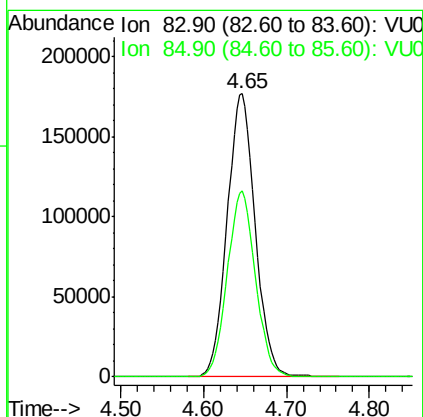
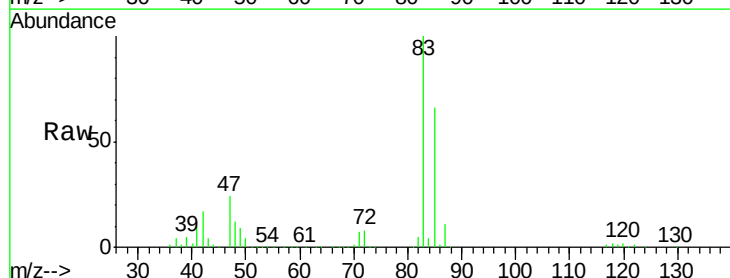


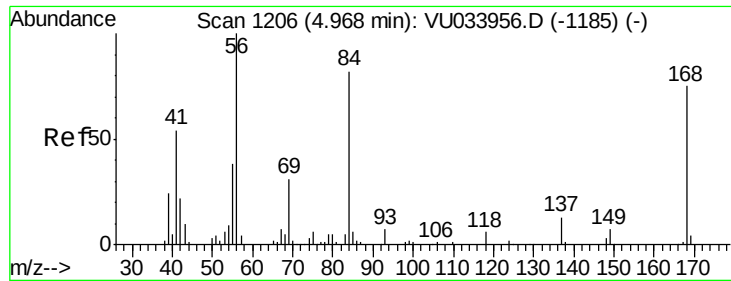
8/27/2019 12:17:01 PM



#30
Chloroform
Concen: 46.818 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





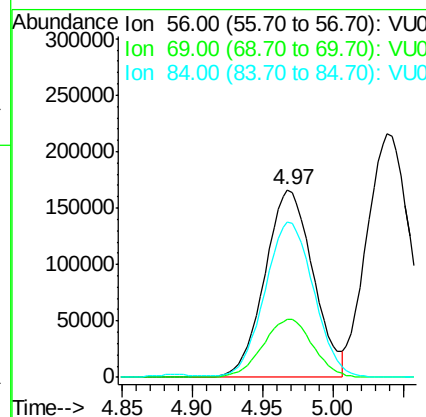
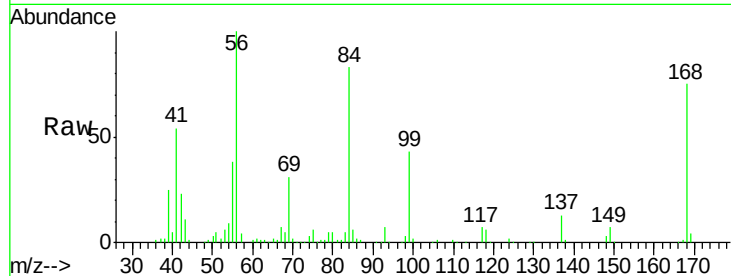
#31
Cyclohexane
Concen: 33.614 ug/l
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

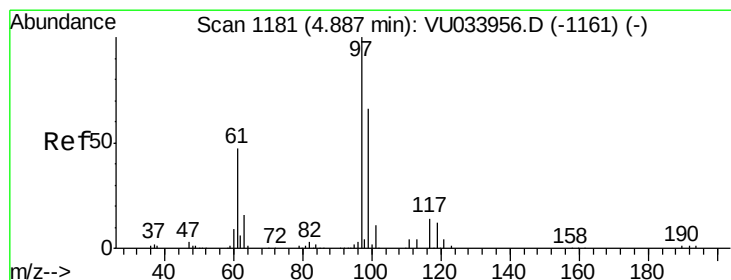
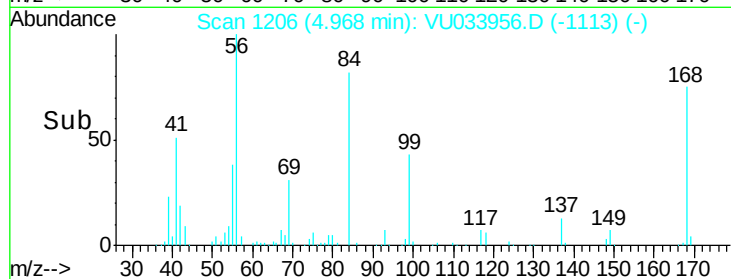
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	81.7	65.4	98.0

Manual Integrations
APPROVED

MMDadoda

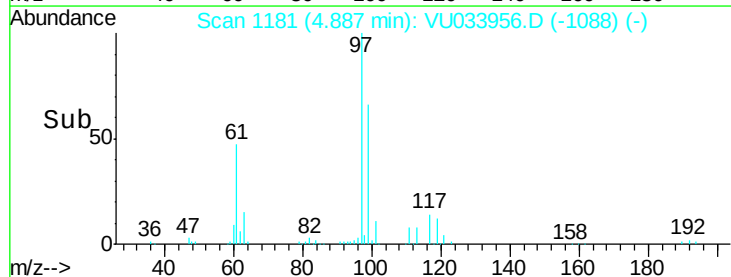
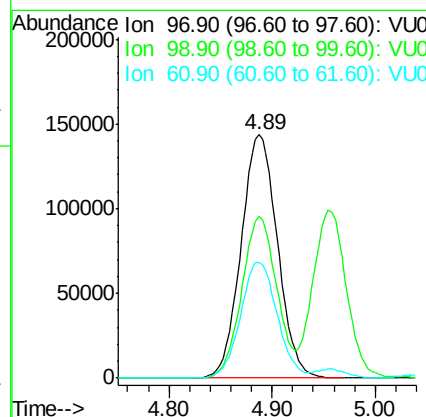
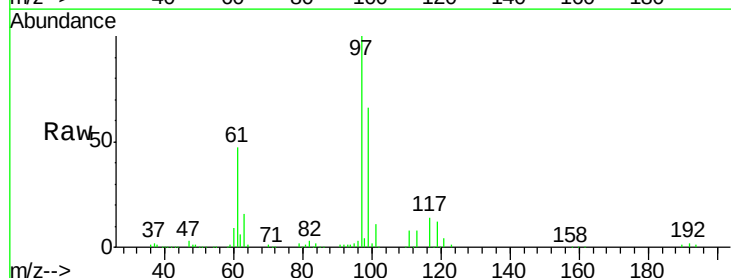


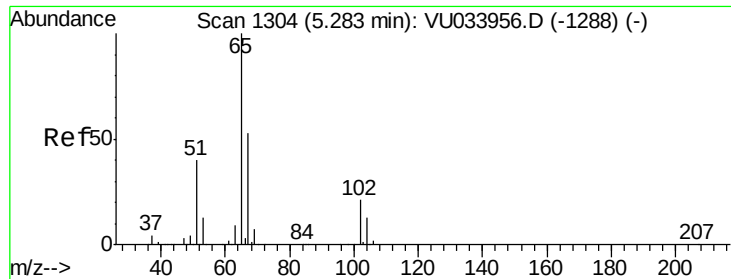
8/27/2019 12:17:01 PM



#32
1,1,1-Trichloroethane
Concen: 47.458 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	48.0	38.4	57.6





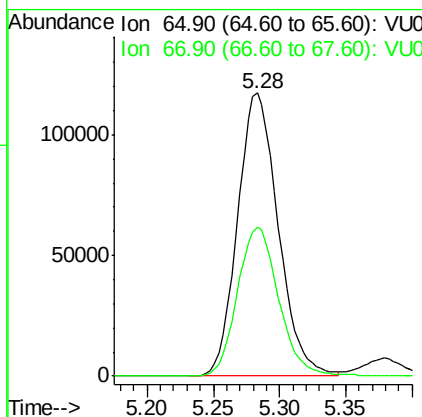
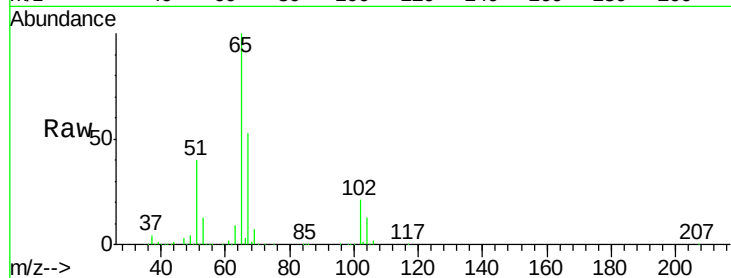
#33
 1,2-Dichloroethane-d4
 Concen: 43.498 ug/l
 RT: 5.28 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

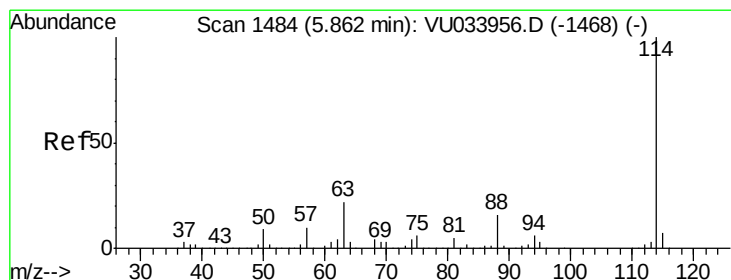
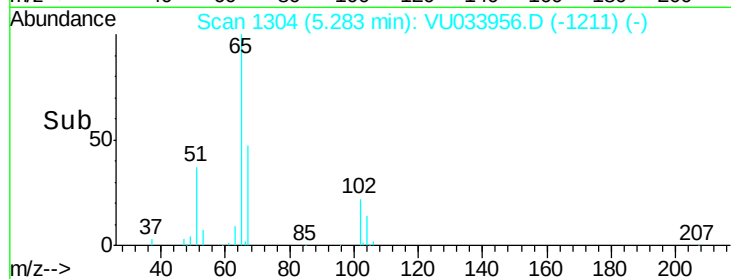
Tot Ion	Ratio	Resp	Lower	Upper
65	100	250431		
67	53.6	0.0	107.2	

Manual Integrations
 APPROVED

MMDadoda

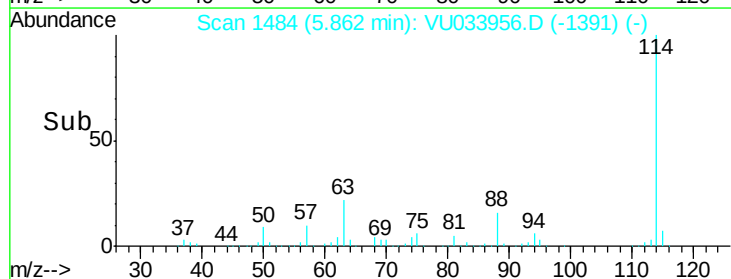
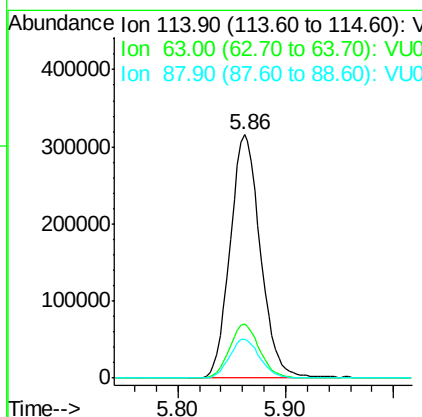
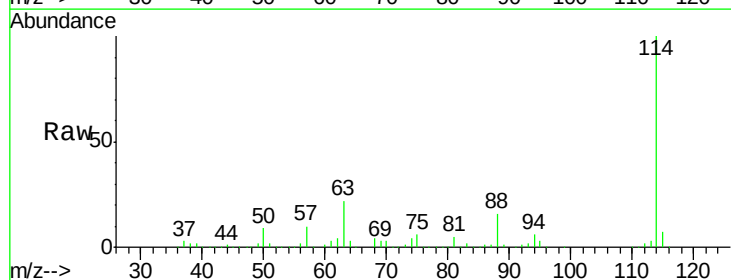


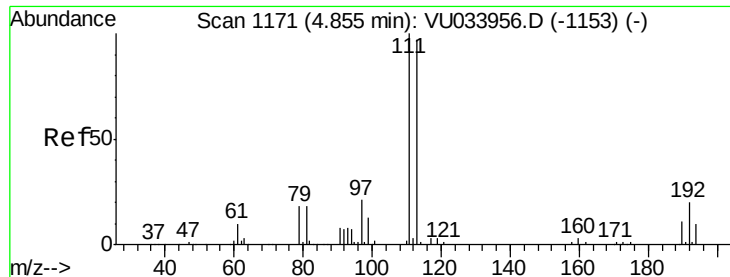
8/27/2019 12:17:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	618958		
63	22.1	0.0	44.2	
88	16.0	0.0	32.0	





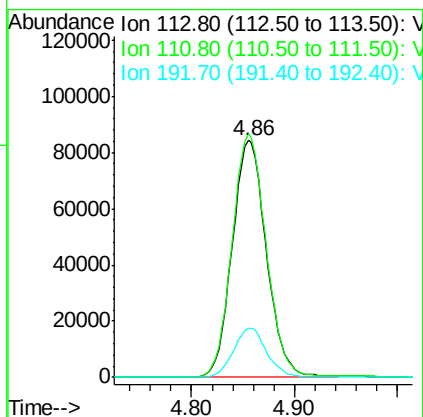
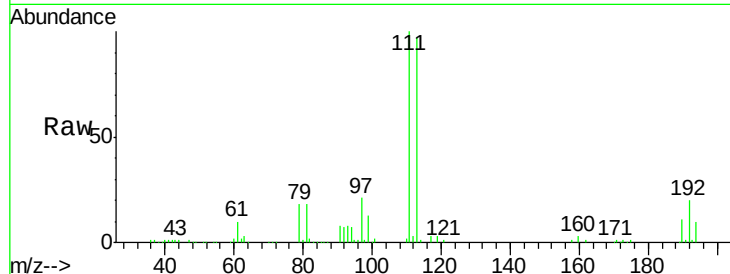
#35
 Dibromofluoromethane
 Concen: 49.764 ug/l
 RT: 4.86 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

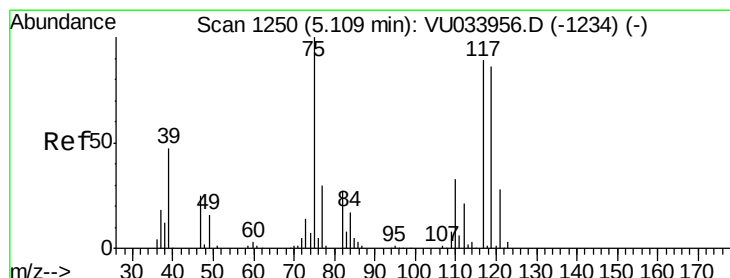
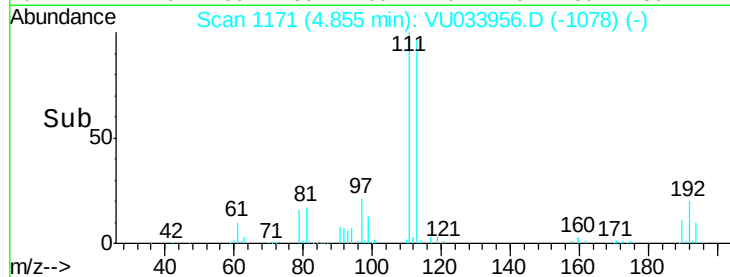
Tot Ion	Ratio	Resp	Lower	Upper
113	100	194571		
111	102.5	82.0	123.0	
192	20.3	16.2	24.4	

Manual Integrations
 APPROVED

MMDadoda

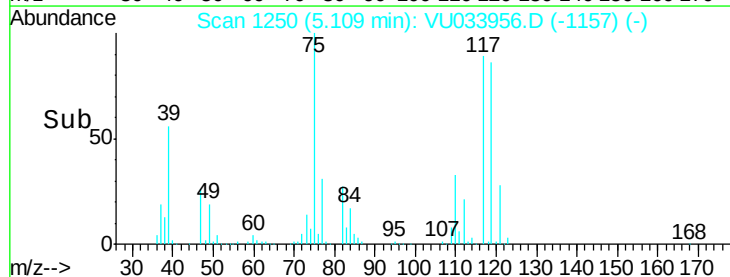
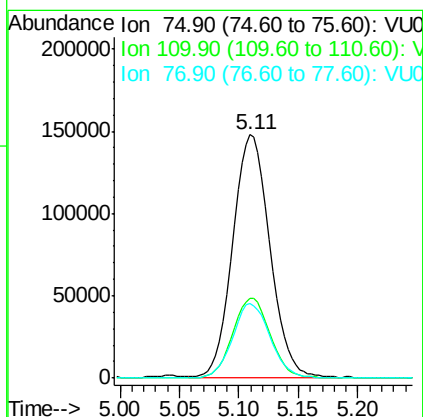
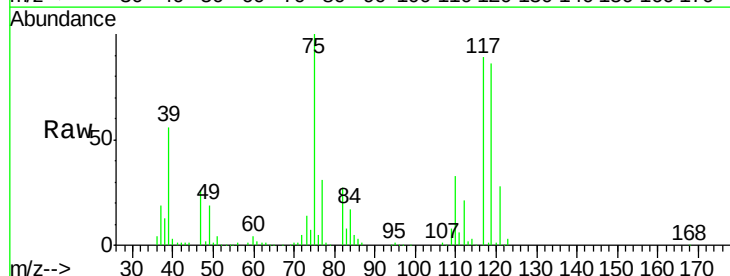


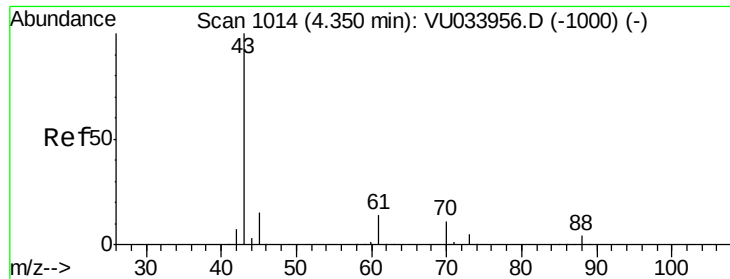
8/27/2019 12:17:01 PM



#36
 1,1-Dichloropropene
 Concen: 47.284 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	317386		
110	33.6	16.8	50.4	
77	30.9	24.7	37.1	





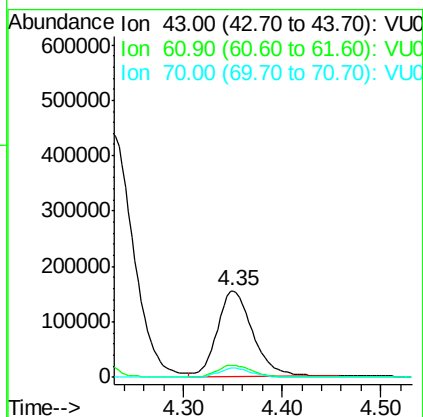
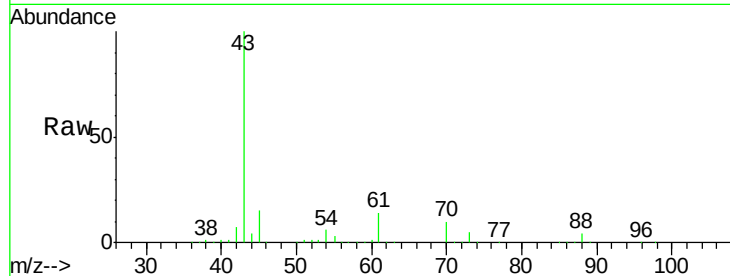
#37
Ethyl Acetate
Concen: 45.309 ug/l
RT: 4.35 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

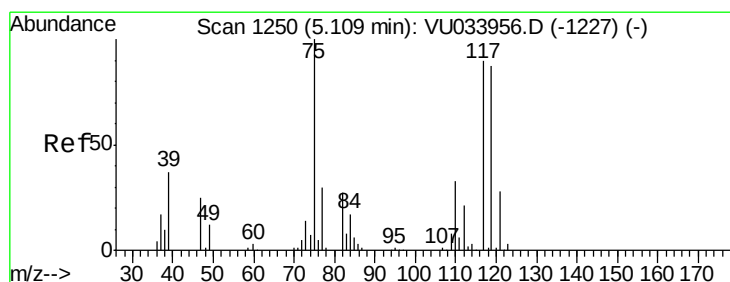
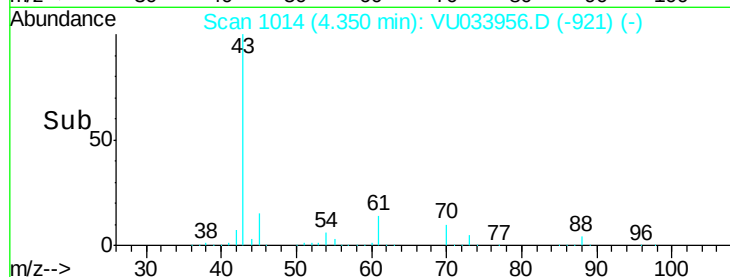
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.3	8.2	12.4

Manual Integrations
APPROVED

MMDadoda

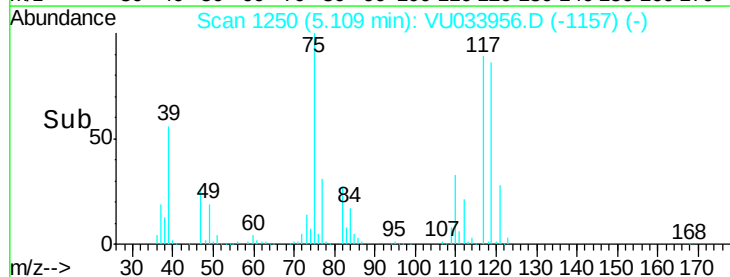
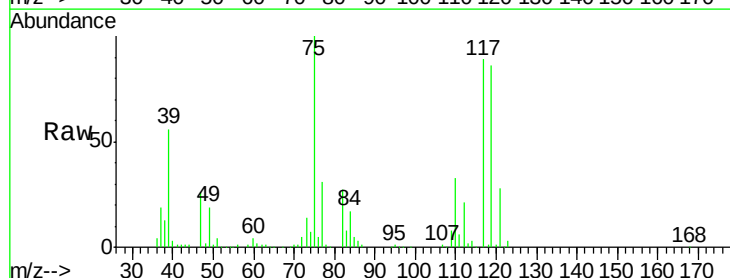
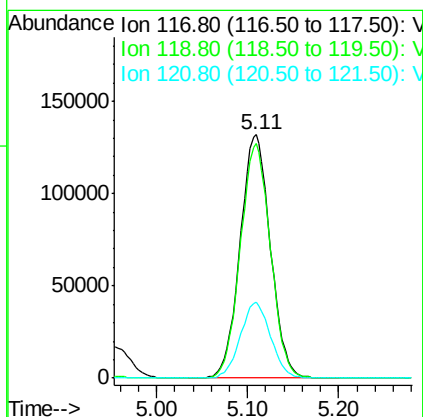


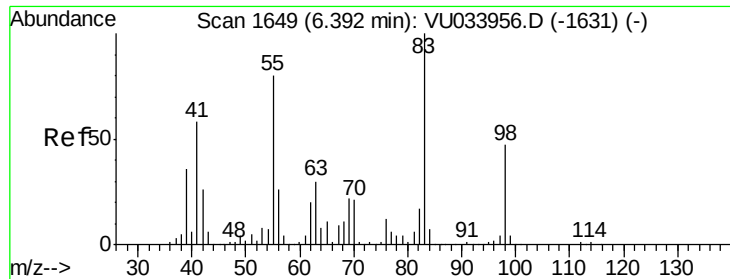
8/27/2019 12:17:01 PM



#38
Carbon Tetrachloride
Concen: 54.622 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	31.1	24.9	37.3





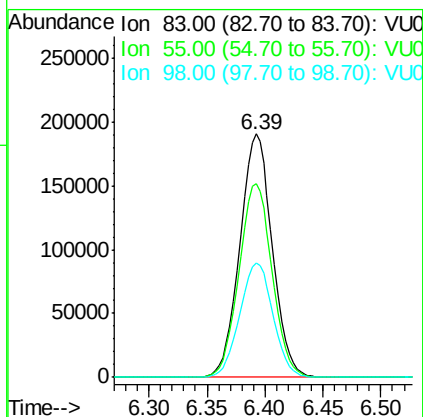
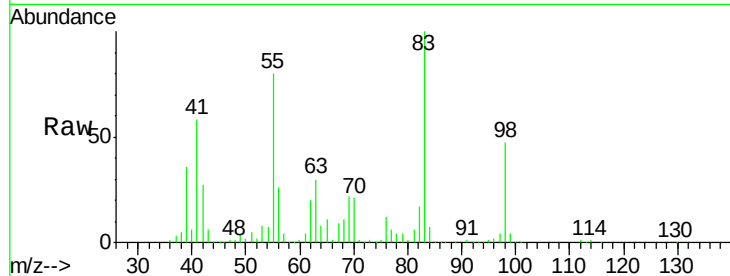
#39
Methylvlcyclohexane
Concen: 45.482 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

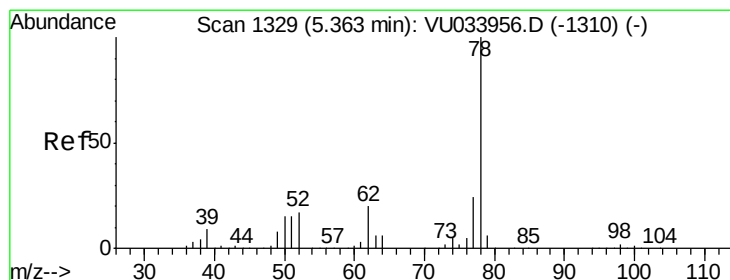
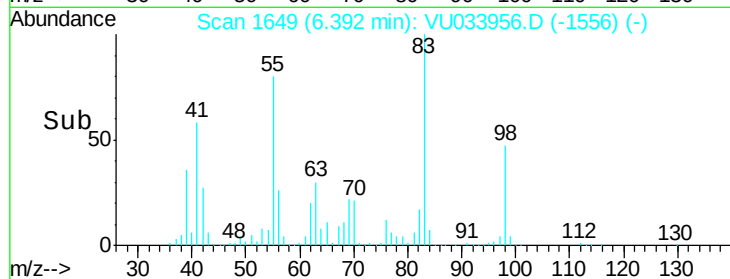
Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	63.8	95.8
98	47.1	37.7	56.5

Manual Integrations
APPROVED

MMDadoda

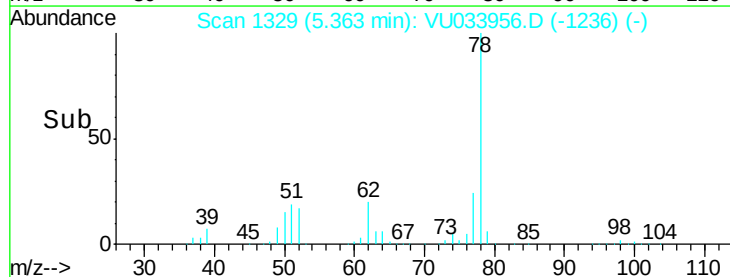
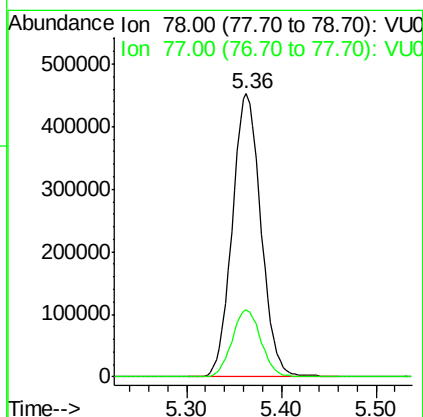
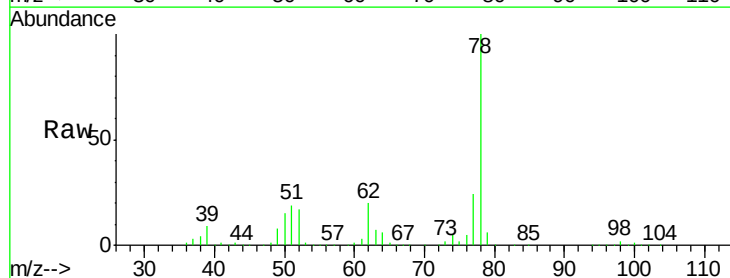


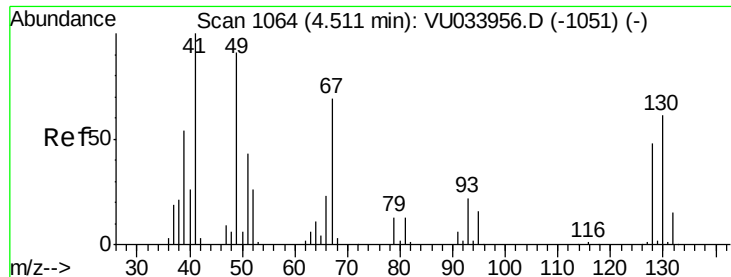
8/27/2019 12:17:01 PM



#40
Benzene
Concen: 48.159 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 43.987 ug/l

RT: 4.51 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

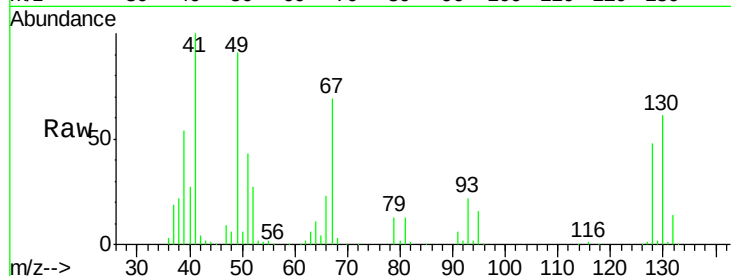
VSTDICCC050

Tot Ion: 41 Resp: 204900

Ion	Ratio	Lower	Upper
41	100		
39	54.1	43.3	64.9
67	71.9	57.5	86.3
52	28.3	22.6	34.0

Manual Integrations
APPROVED

MMDadoda



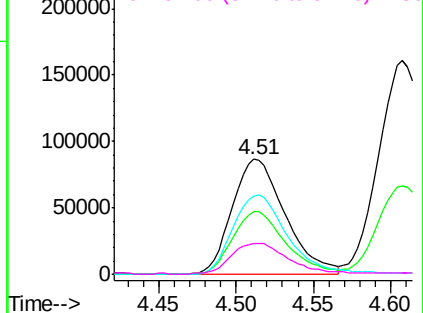
Abundance

Ion 41.00 (40.70 to 41.70): VU033956.D (-1051) (-)

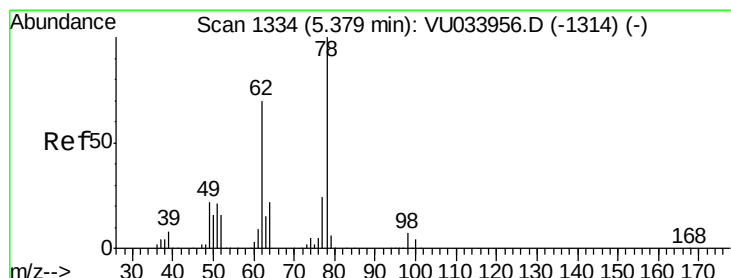
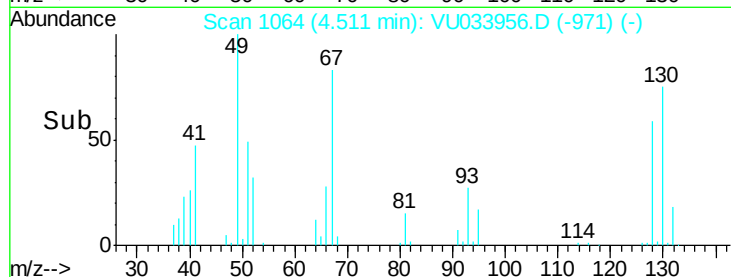
Ion 39.00 (38.70 to 39.70): VU033956.D (-1051) (-)

Ion 67.00 (66.70 to 67.70): VU033956.D (-1051) (-)

Ion 52.00 (51.70 to 52.70): VU033956.D (-1051) (-)



8/27/2019 12:17:01 PM



#42

1,2-Dichloroethane

Concen: 49.884 ug/l

RT: 5.38 min Scan# 1334

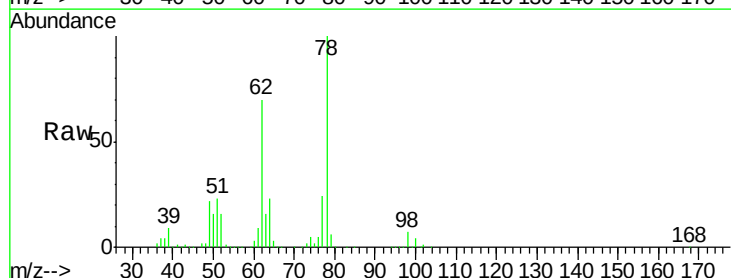
Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion: 62 Resp: 348548

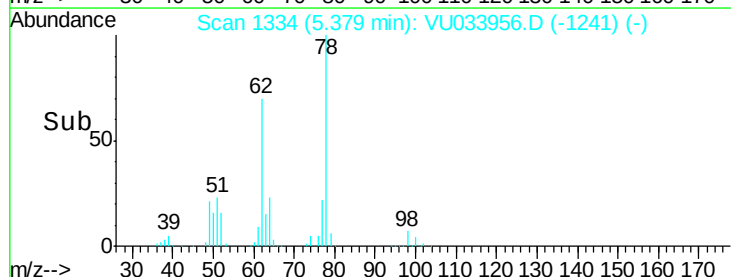
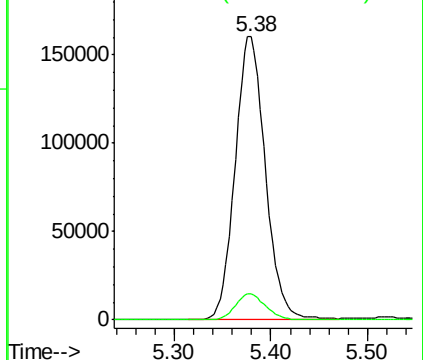
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2

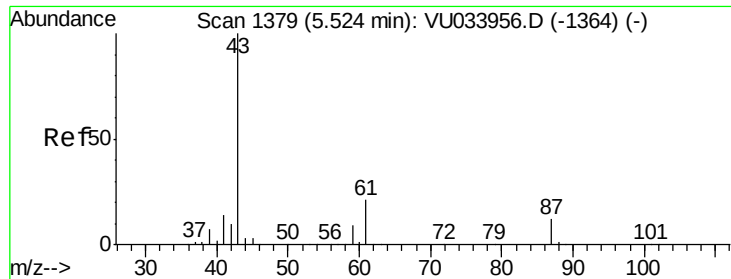


Abundance

Ion 61.90 (61.60 to 62.60): VU033956.D (-1314) (-)

Ion 97.90 (97.60 to 98.60): VU033956.D (-1314) (-)





#43

Isopropyl Acetate

Concen: 43.401 ug/l

RT: 5.52 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

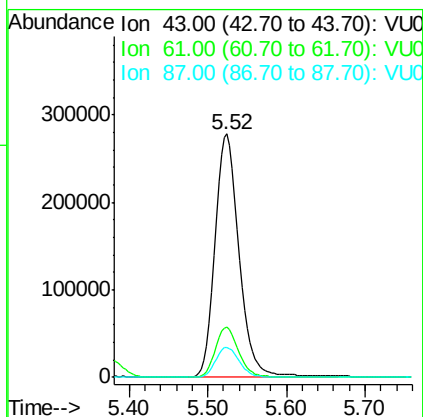
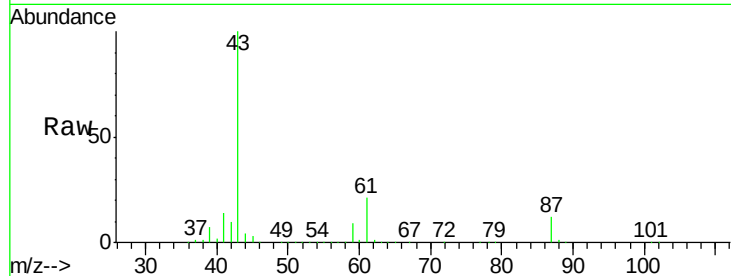
ClientSampleId :

VSTDICCC050

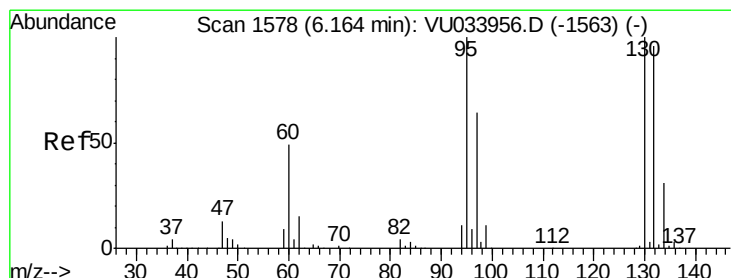
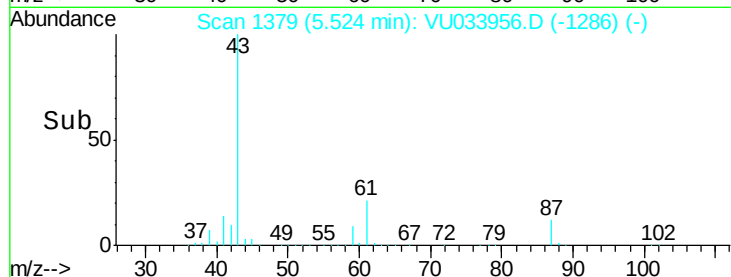
Tot Ion:	43	Resp:	582818
Ion	Ratio	Lower	Upper
43	100		
61	20.1	16.1	24.1
87	12.4	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 52.551 ug/l

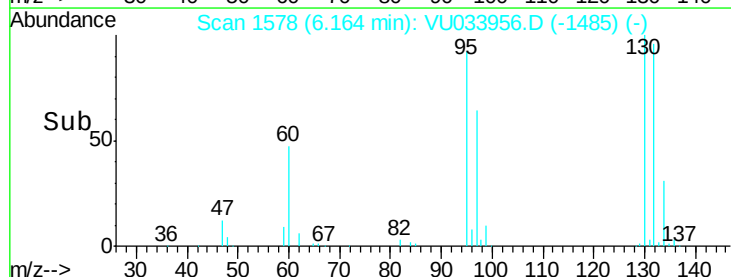
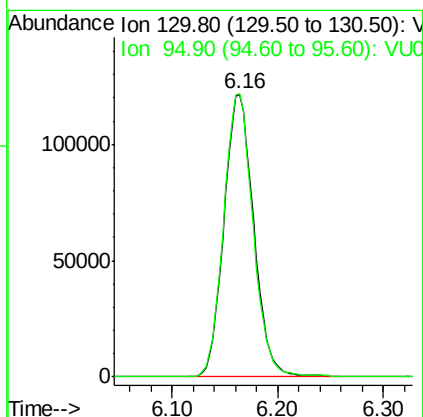
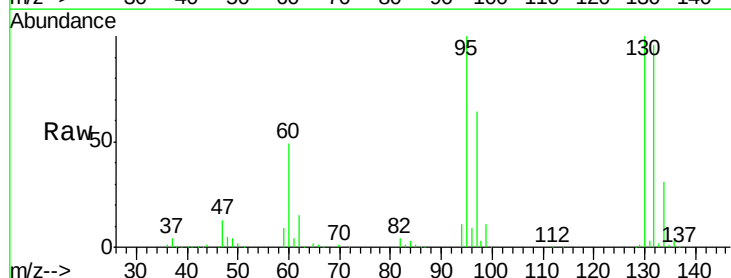
RT: 6.16 min Scan# 1578

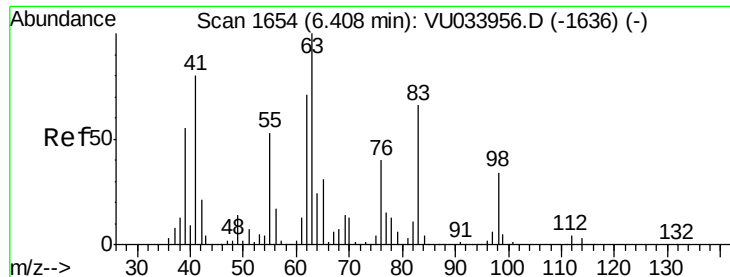
Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion:	130	Resp:	236593
Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	200.4





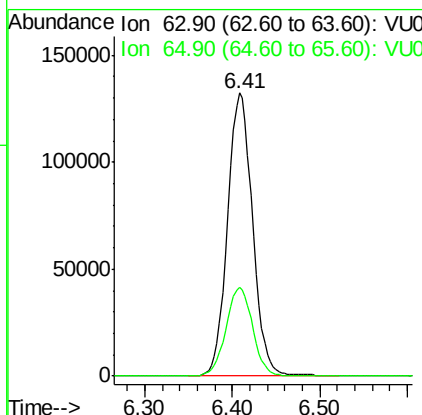
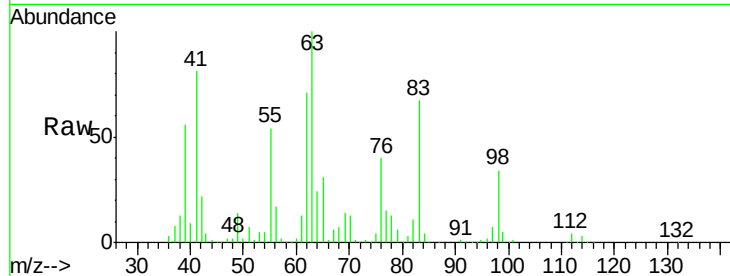
#45
 1,2-Dichloropropane
 Concen: 47.735 ug/l
 RT: 6.41 min Scan# 1654
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

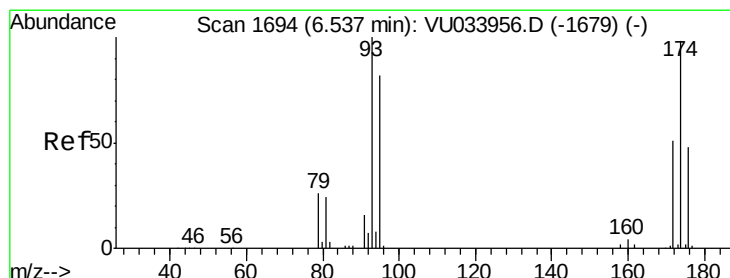
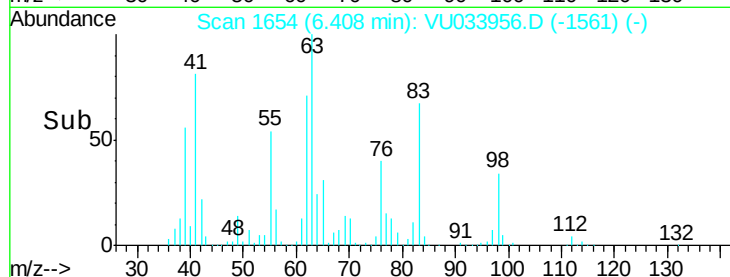
Tot Ion: 63 Resp: 263671
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4

Manual Integrations
 APPROVED

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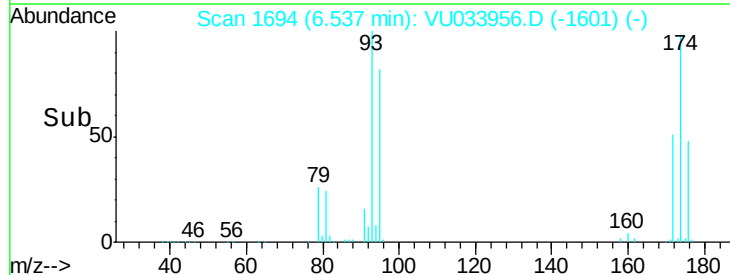
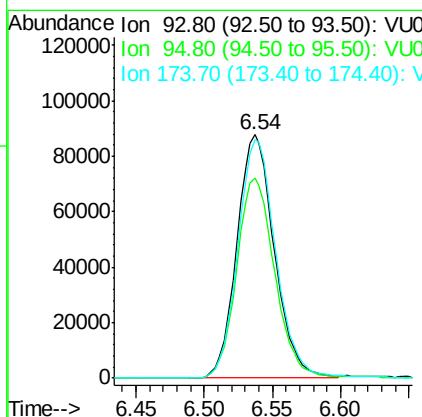
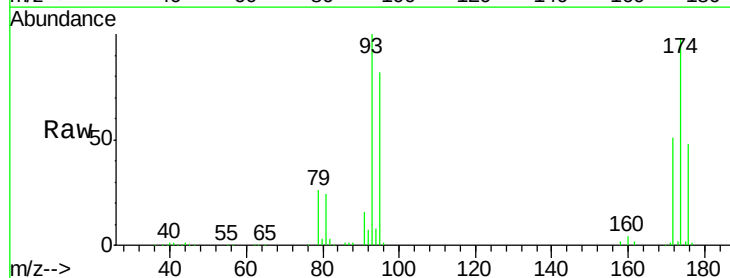


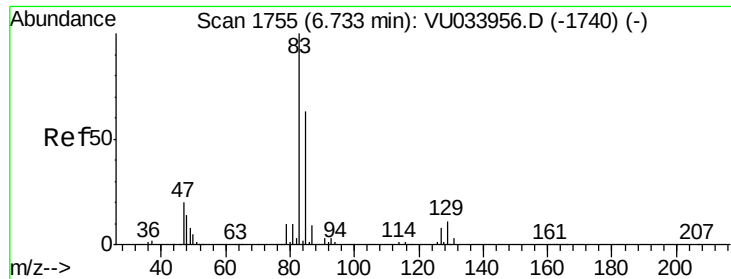
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#46
 Dibromomethane
 Concen: 50.280 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion: 93 Resp: 167332
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.3 100.9
 174 99.6 79.7 119.5





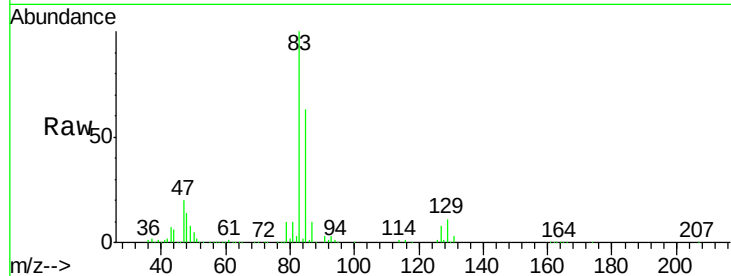
#47
Bromodichloromethane
Concen: 51.854 ug/l
RT: 6.73 min Scan# 1755
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.1	50.5	75.7	
127	8.2	6.6	9.8	

Manual Integrations
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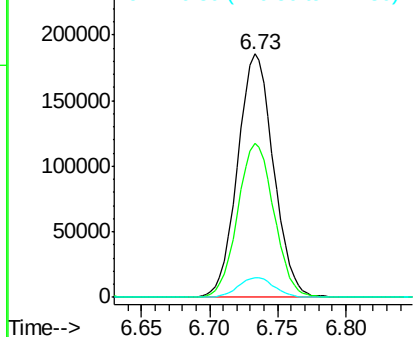


Abundance

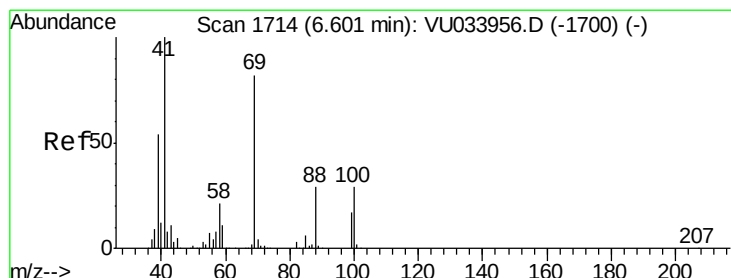
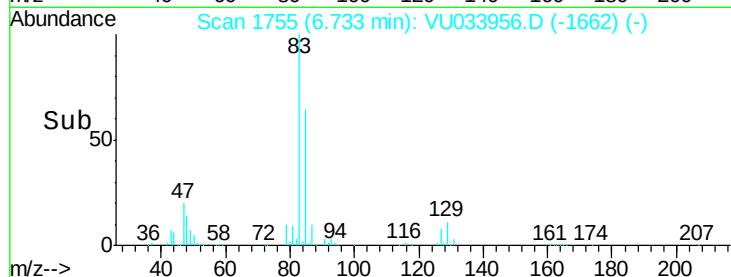
Ion 82.90 (82.60 to 83.60): VU033956.D (-1740) (-)

Ion 84.90 (84.60 to 85.60): VU033956.D (-1740) (-)

Ion 126.80 (126.50 to 127.50): VU033956.D (-1740) (-)

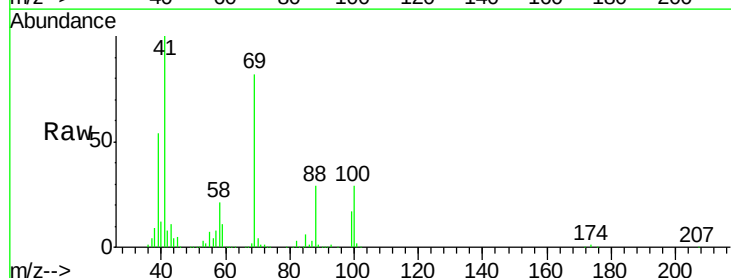


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#48
Methyl methacrylate
Concen: 42.514 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	83.6	66.9	100.3	
39	54.1	43.3	64.9	

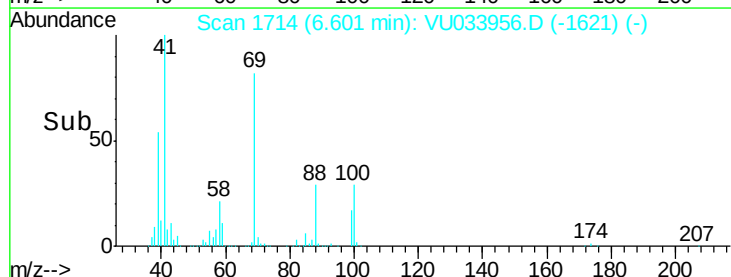
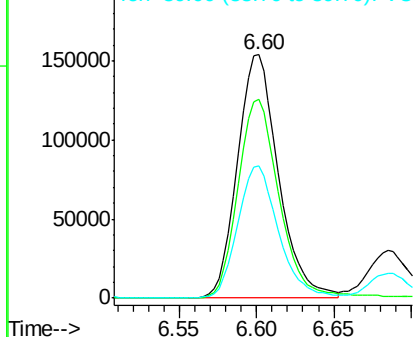


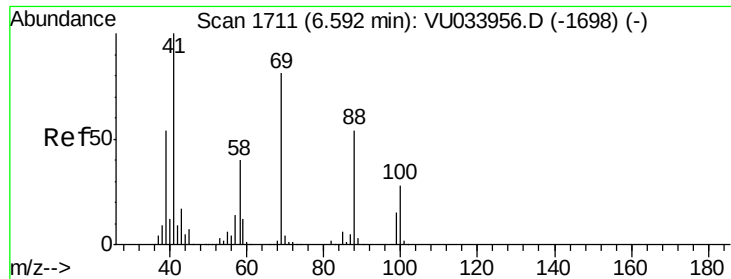
Abundance

Ion 41.00 (40.70 to 41.70): VU033956.D (-1700) (-)

Ion 69.00 (68.70 to 69.70): VU033956.D (-1700) (-)

Ion 39.00 (38.70 to 39.70): VU033956.D (-1700) (-)





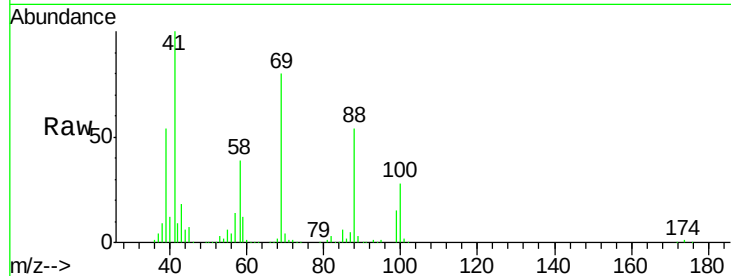
#49
1,4-Dioxane
Concen: 1110.398 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.0	27.2	40.8	
58	74.1	59.3	88.9	

Manual Integrations
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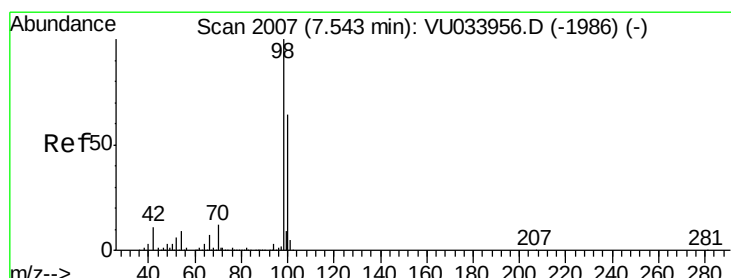
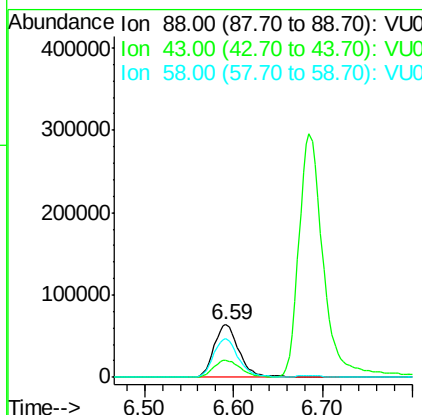
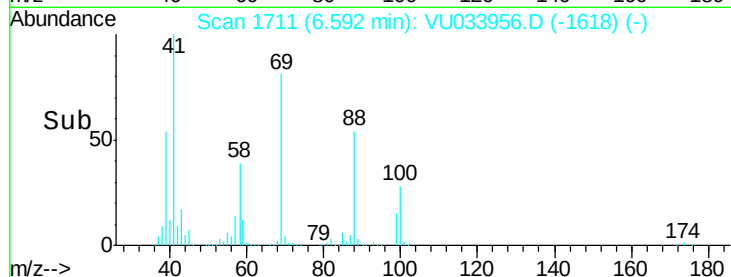
Abundance

Ion 88.00 (87.70 to 88.70): VU033956.D (-1698) (-)

Ion 43.00 (42.70 to 43.70): VU033956.D (-1698) (-)

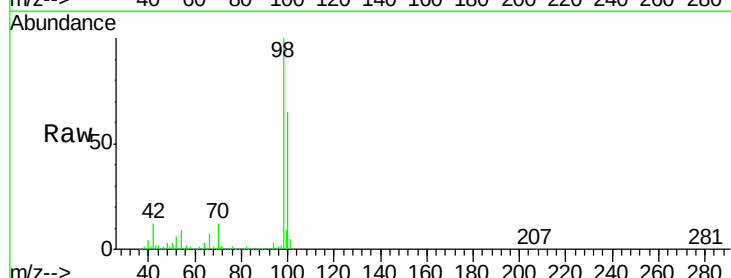
Ion 58.00 (57.70 to 58.70): VU033956.D (-1698) (-)

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#50
Toluene-d8
Concen: 48.567 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

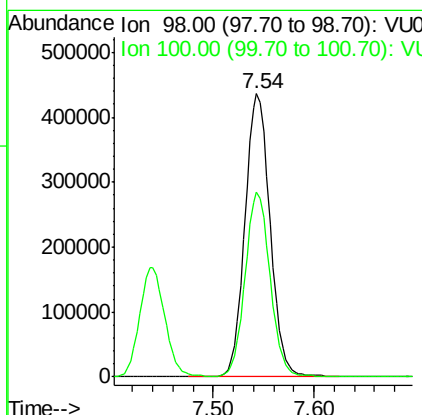
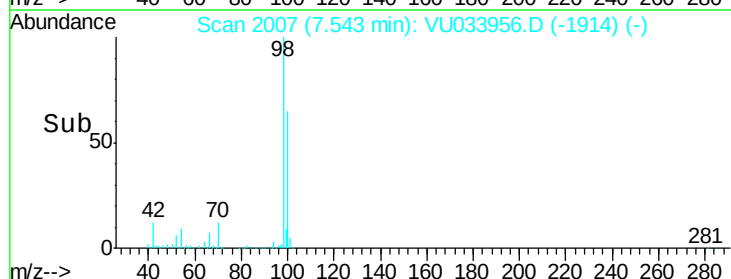
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	51.8	77.6	

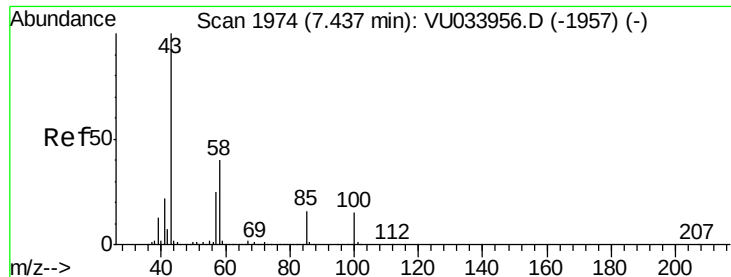


Abundance

Ion 98.00 (97.70 to 98.70): VU033956.D (-1986) (-)

Ion 100.00 (99.70 to 100.70): VU033956.D (-1986) (-)





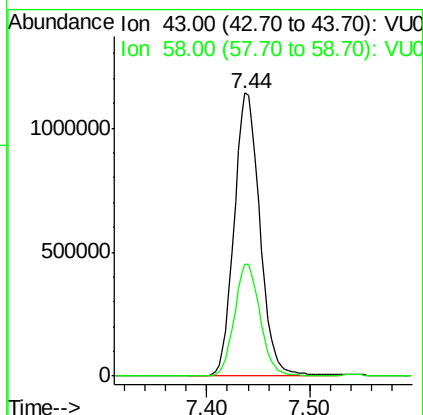
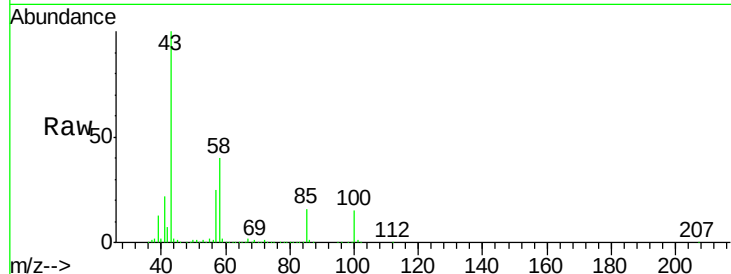
#51
4-Methyl-2-Pentanone
Concen: 231.998 ug/l
RT: 7.44 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

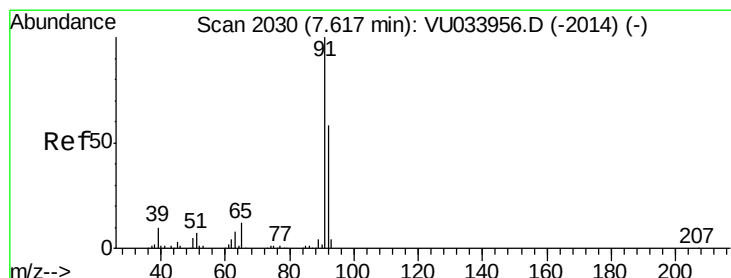
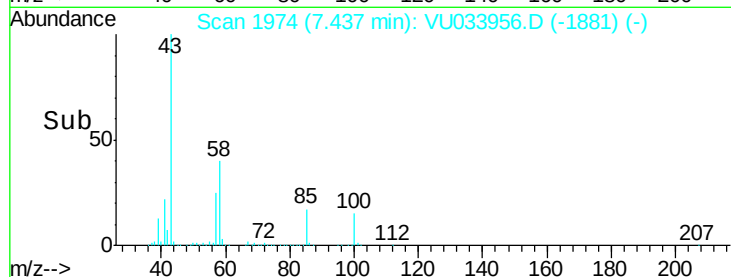
Tot Ion: 43 Resp: 1991509
Ion Ratio Lower Upper
43 100
58 39.5 31.6 47.4

Manual Integrations
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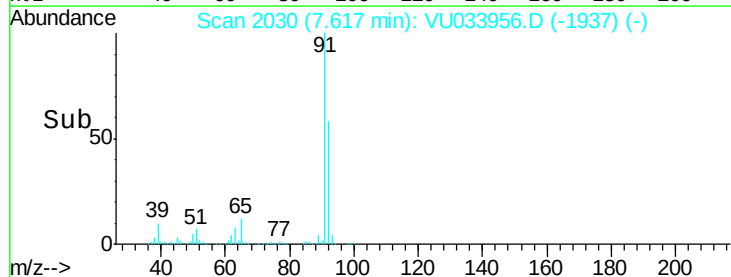
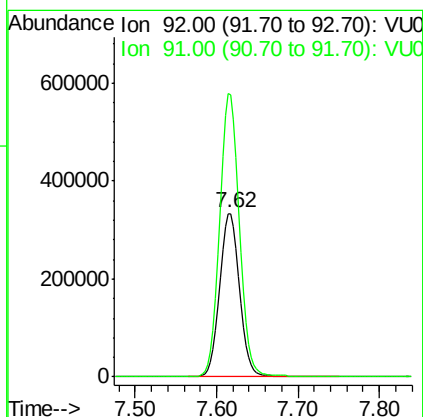
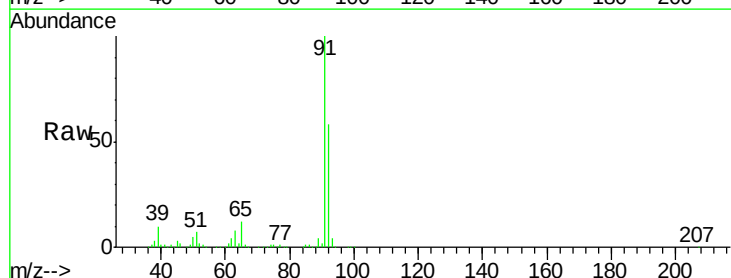


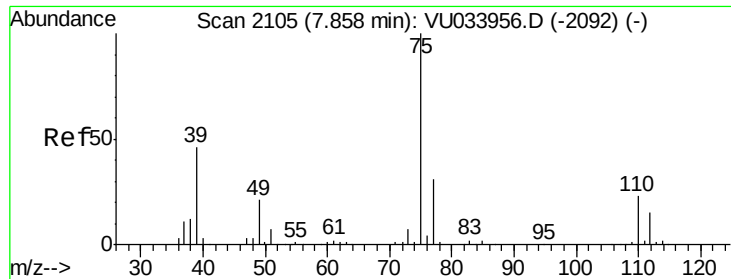
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#52
Toluene
Concen: 49.639 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion: 92 Resp: 580566
Ion Ratio Lower Upper
92 100
91 171.9 137.5 206.3





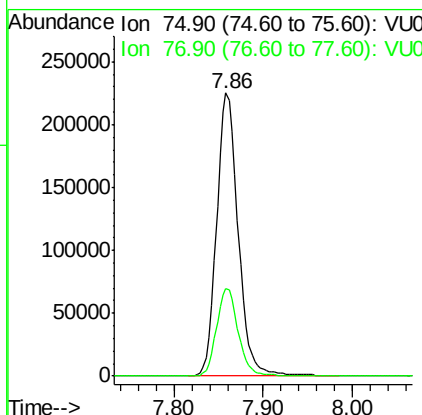
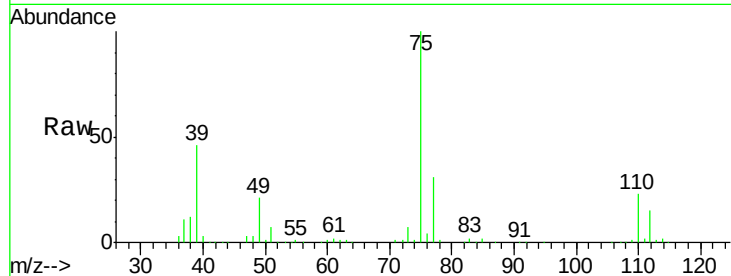
#53
t-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

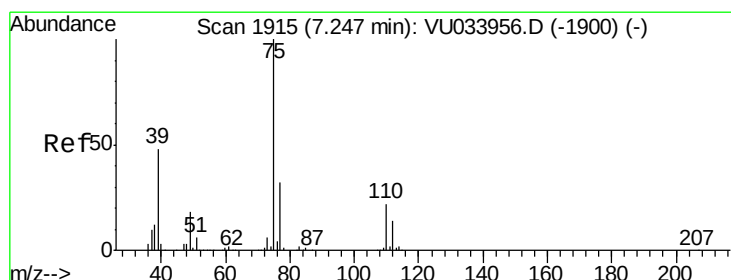
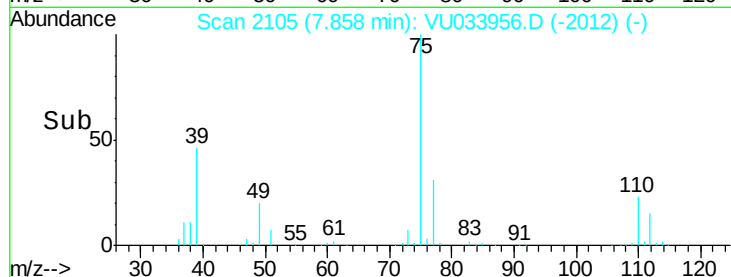
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

Manual Integrations
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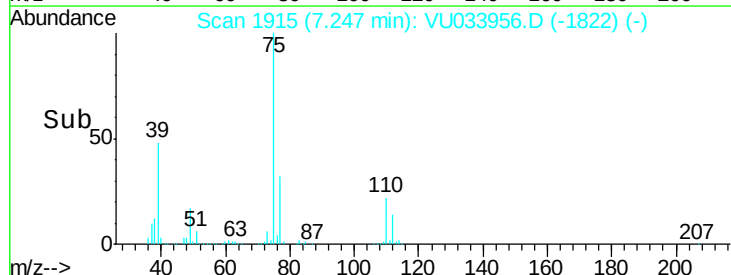
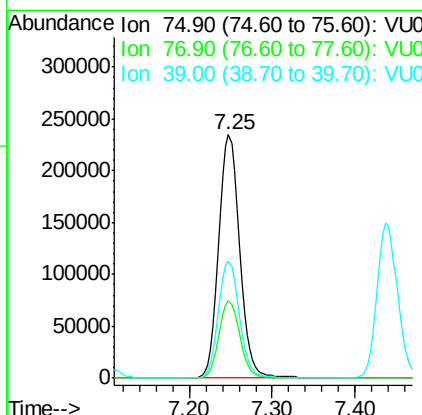
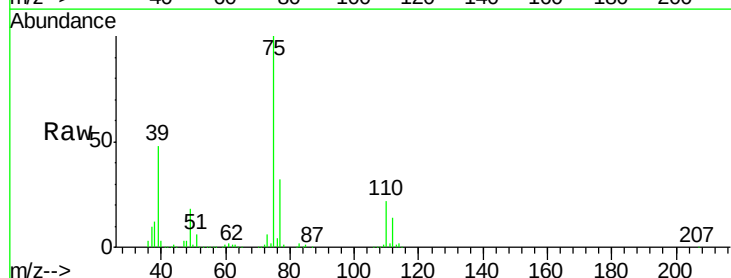


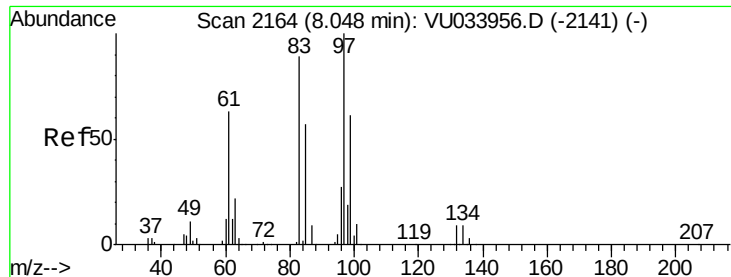
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#54
cis-1,3-Dichloropropene
Concen: 49.372 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	47.9	38.3	57.5





#55

1,1,2-Trichloroethane

Concen: 52.136 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 97 Resp: 242520

Ion Ratio Lower Upper

97 100

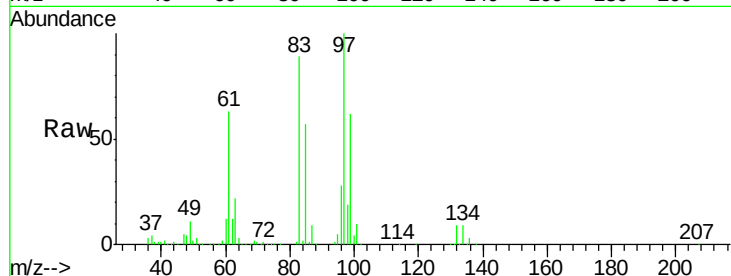
83 88.7 71.0 106.4

85 56.9 45.5 68.3

99 61.7 49.4 74.0

Manual Integrations
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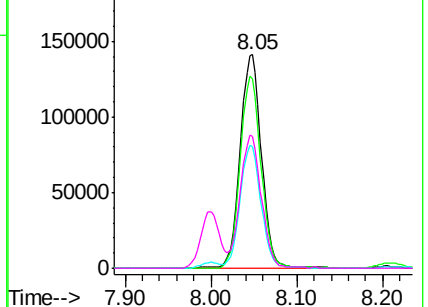


Abundance Ion 96.90 (96.60 to 97.60): VU0

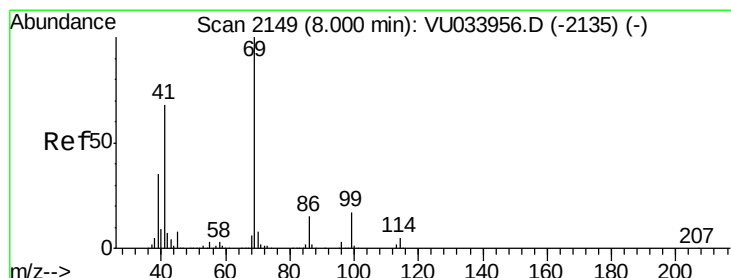
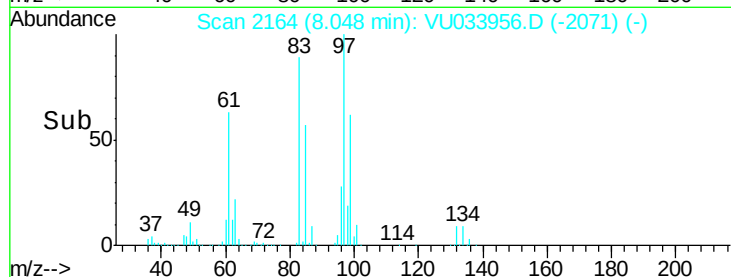
Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



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#56

Ethyl methacrylate

Concen: 47.466 ug/l

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

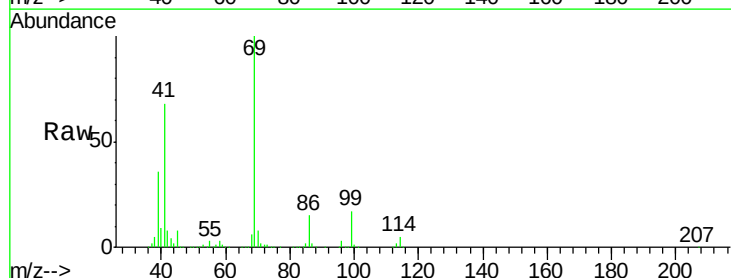
Tgt Ion: 69 Resp: 370592

Ion Ratio Lower Upper

69 100

41 67.6 54.1 81.1

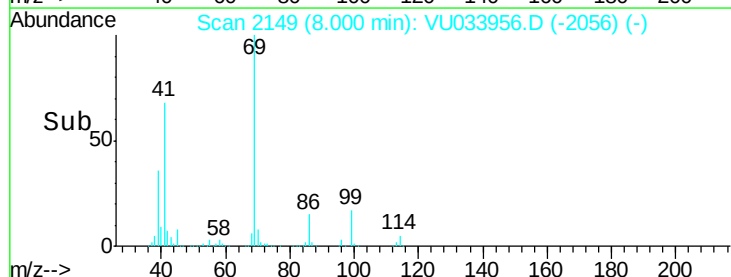
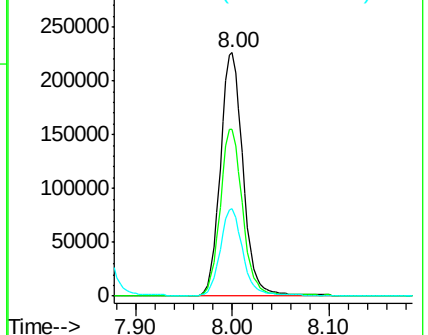
39 35.1 28.1 42.1

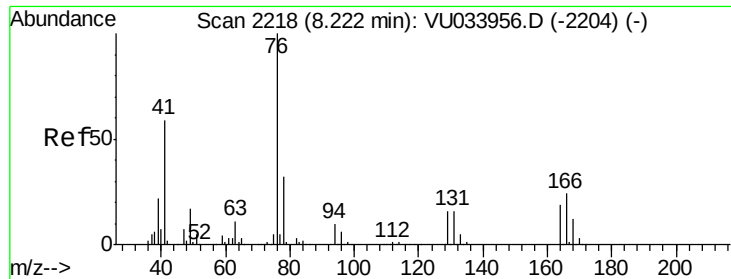


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





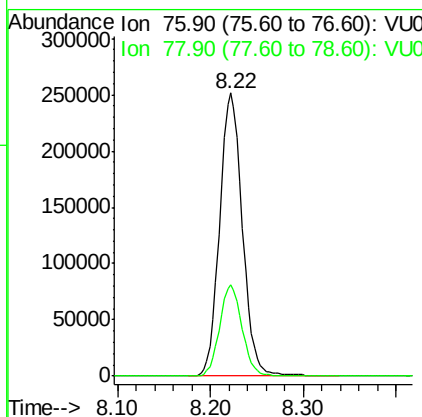
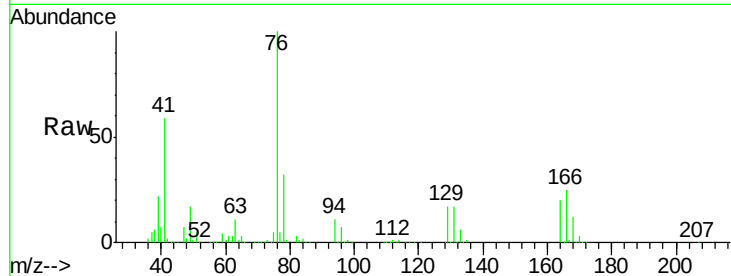
#57
 1,3-Dichloropropane
 Concen: 49.756 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC050

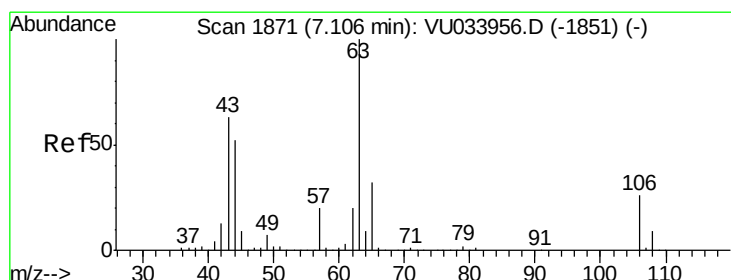
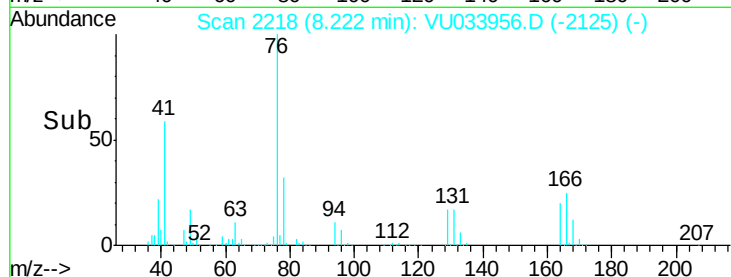
Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.4	38.2

Manual Integrations
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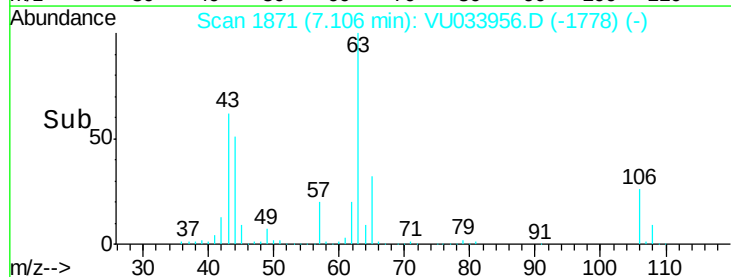
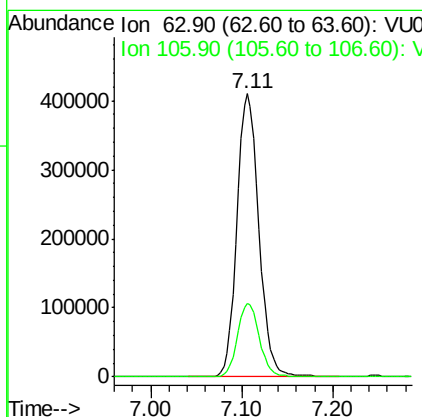
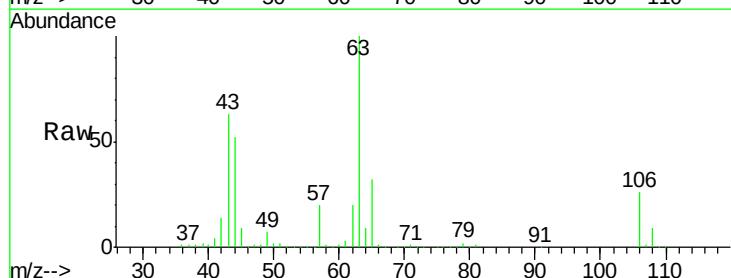


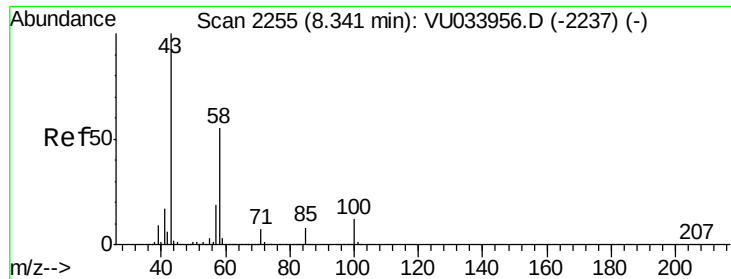
8/27/2019 12:17:01 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 178.787 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.0	20.8	31.2





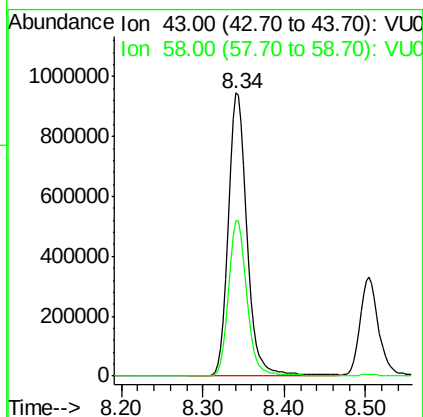
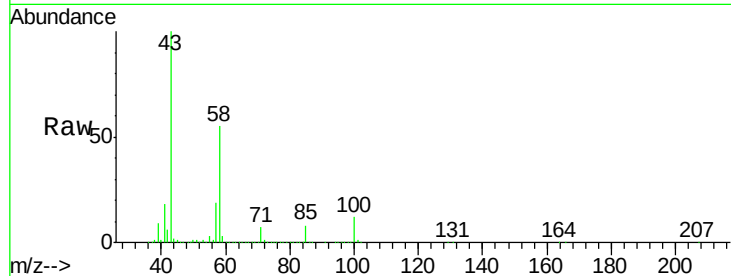
#59
2-Hexanone
Concen: 226.663 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

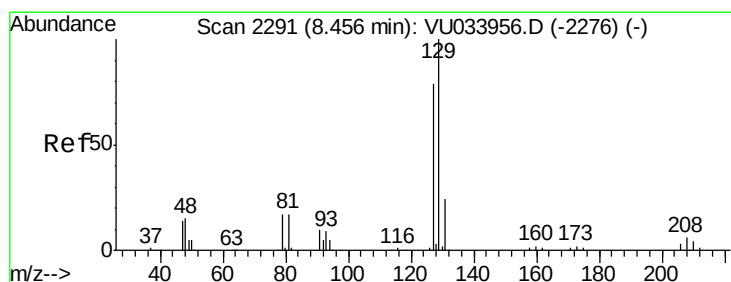
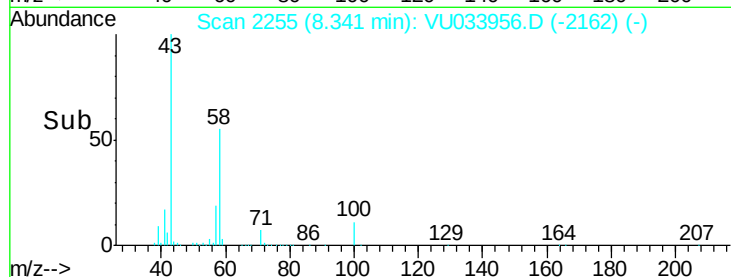
Tot Ion: 43 Resp: 1538930
Ion Ratio Lower Upper
43 100
58 54.6 27.3 81.9

Manual Integrations
APPROVED

MMDadoda

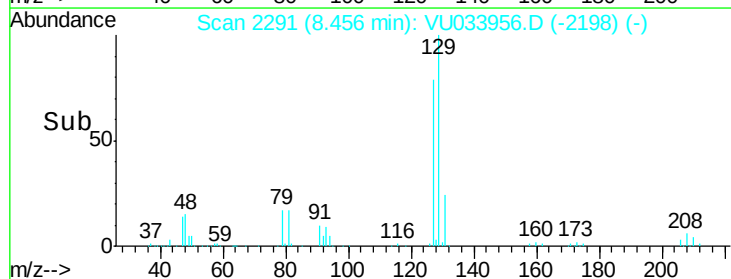
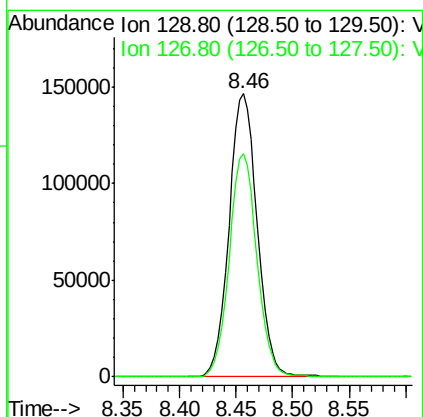
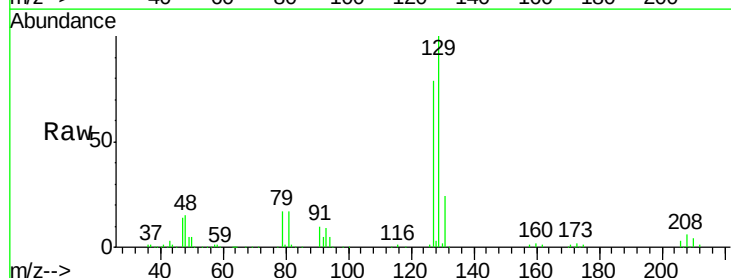


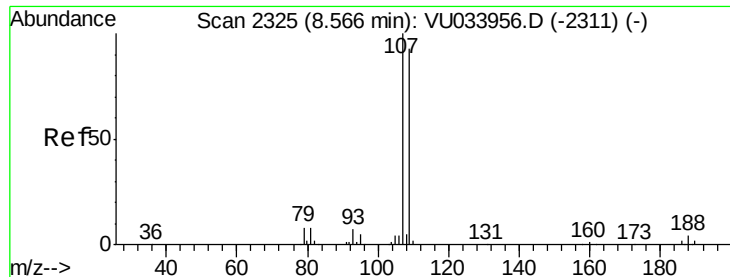
8/27/2019 12:17:01 PM



#60
Dibromochloromethane
Concen: 54.568 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion: 129 Resp: 253217
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





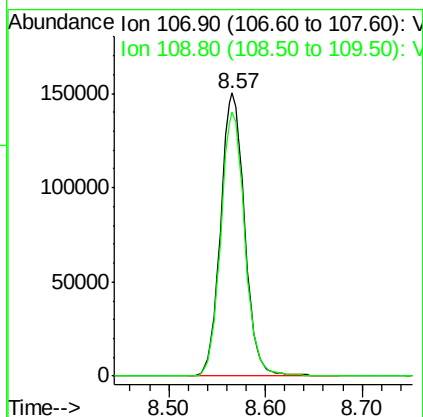
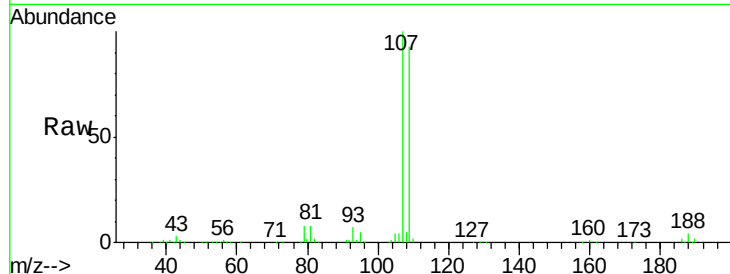
#61
 1,2-Dibromoethane
 Concen: 52.847 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

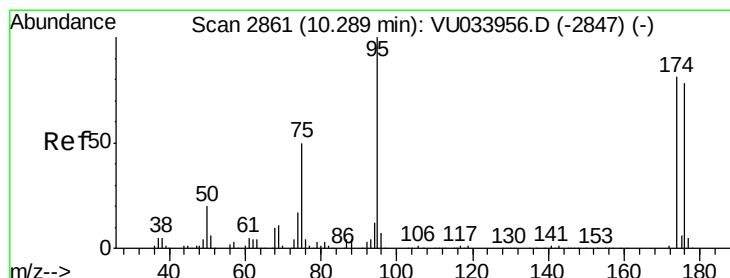
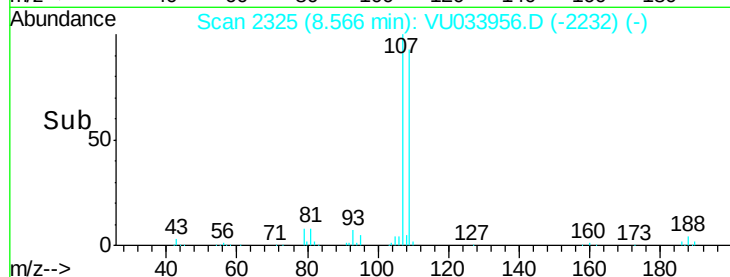
Tot Ion	Ratio	Resp	Lower	Upper
107	100	258669		
109	93.4	74.7	112.1	

Manual Integrations
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MMDadoda

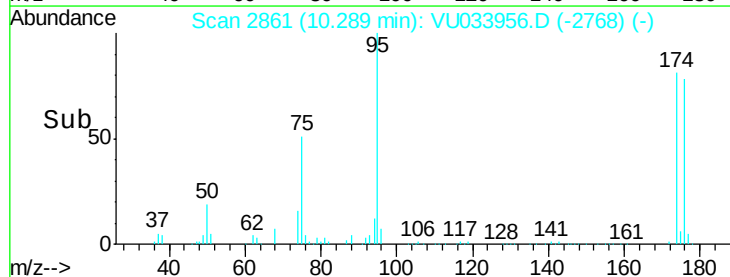
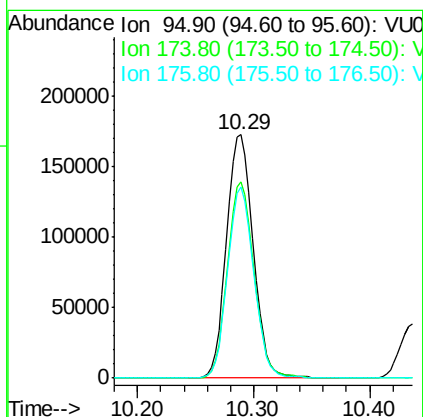
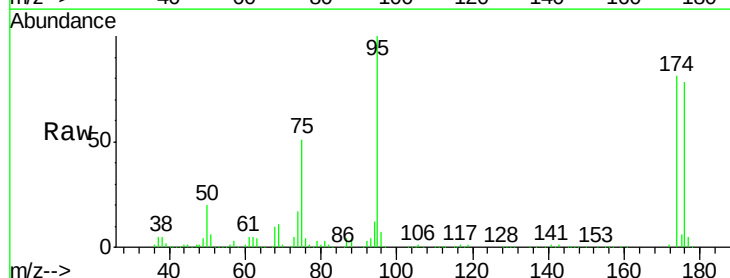


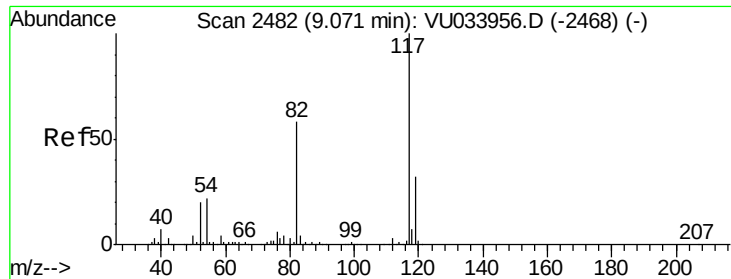
8/27/2019 12:17:01 PM



#62
 4-Bromofluorobenzene
 Concen: 47.759 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	274379		
174	80.2	0.0	160.4	
176	77.1	0.0	154.2	





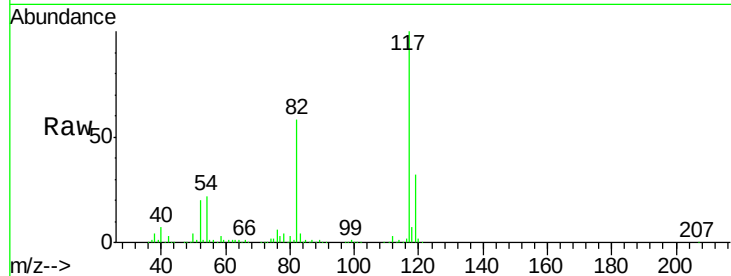
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	612831		
82	58.0	46.4	69.6	
119	31.6	25.3	37.9	

Manual Integrations
APPROVED

MMDadoda

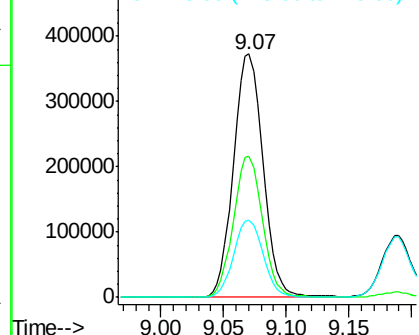


Abundance

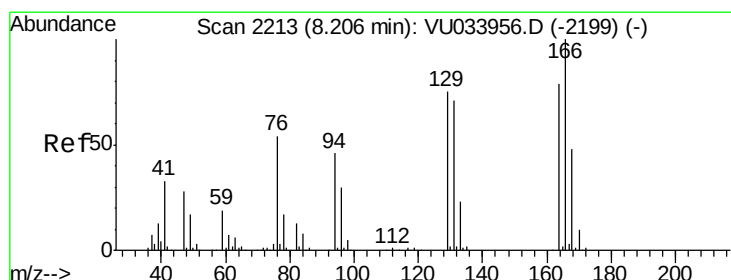
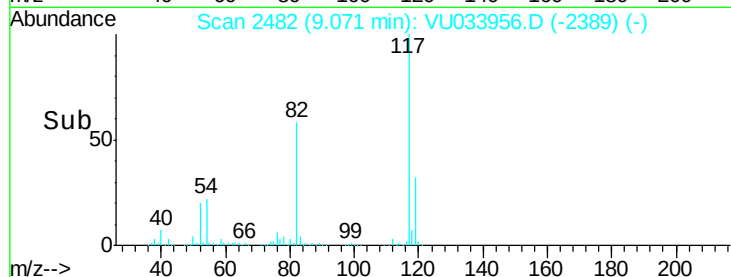
Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



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#64
Tetrachloroethene
Concen: 50.582 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	208350		
166	126.8	101.4	152.2	
129	95.7	76.6	114.8	
131	90.3	72.2	108.4	

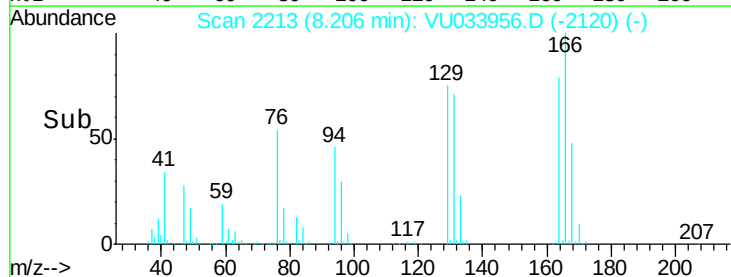
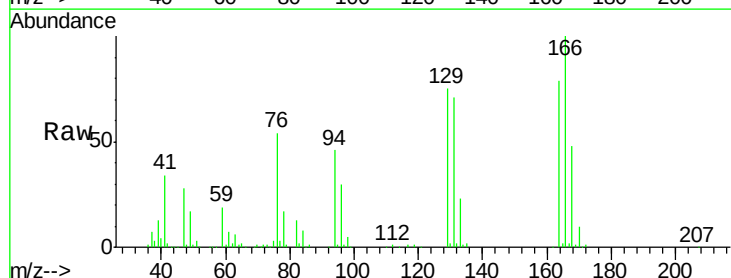
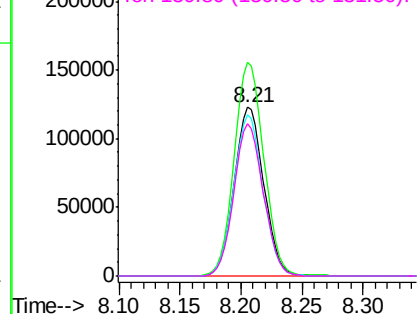
Abundance

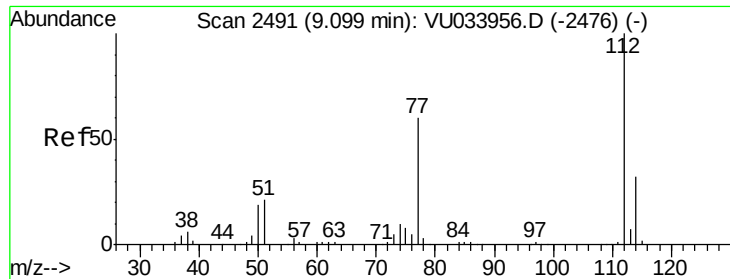
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





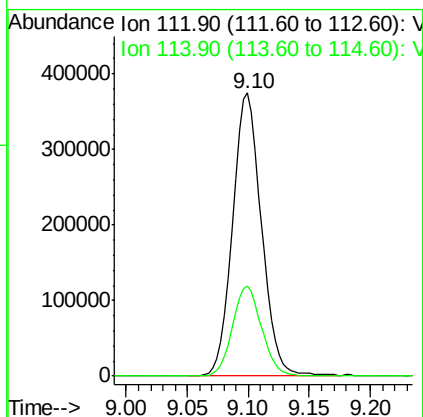
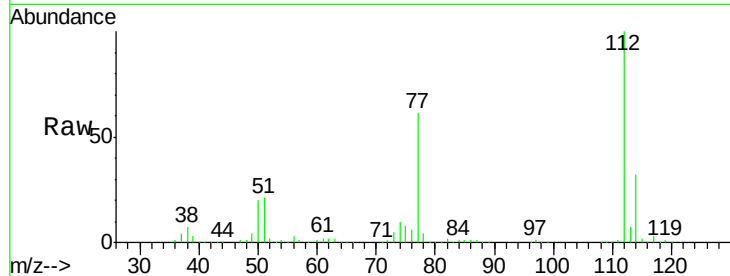
#65
Chlorobenzene
Concen: 47.551 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

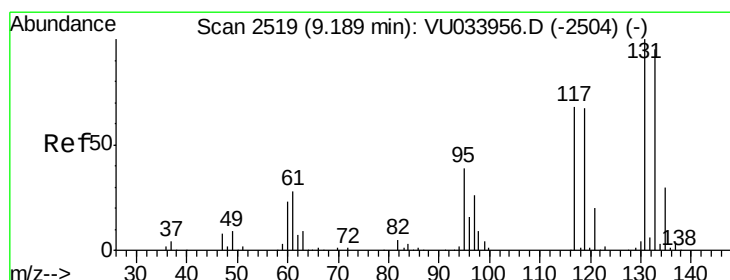
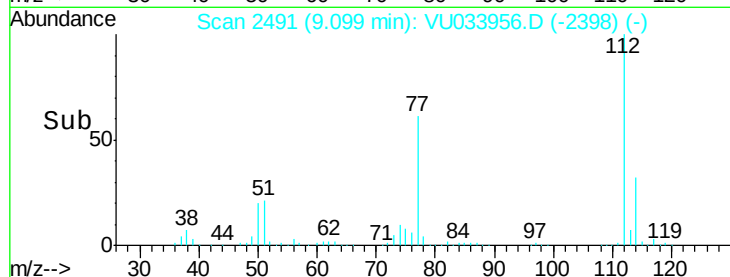
Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

Manual Integrations
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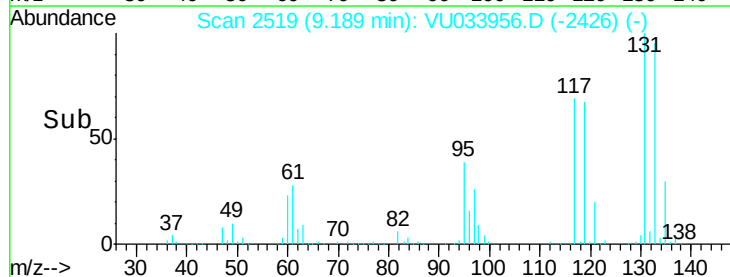
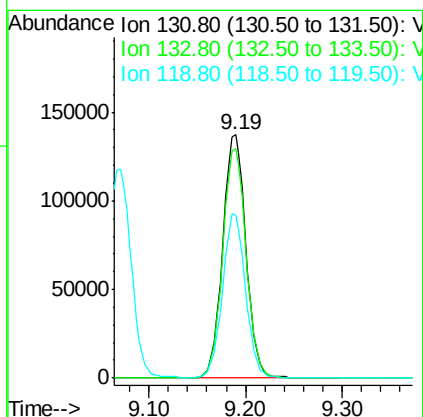
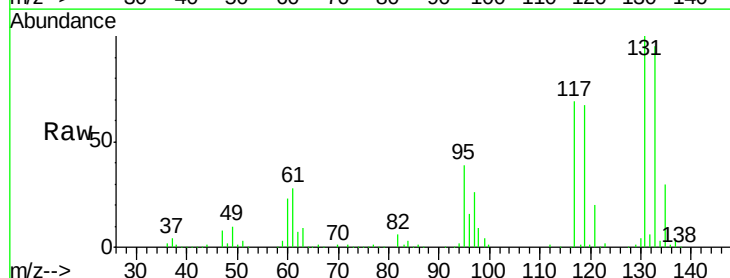


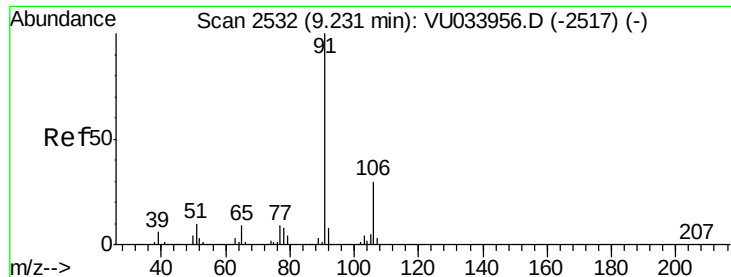
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.075 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	47.7	143.1
119	66.5	33.3	99.8





#67

Ethyl Benzene

Concen: 46.292 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1096279

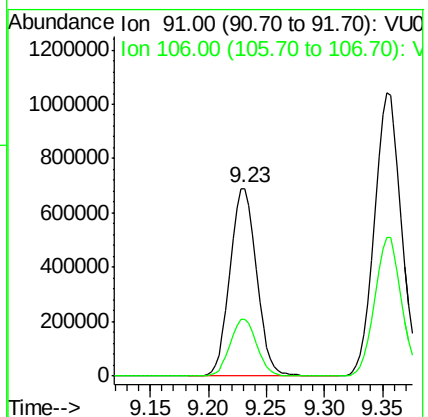
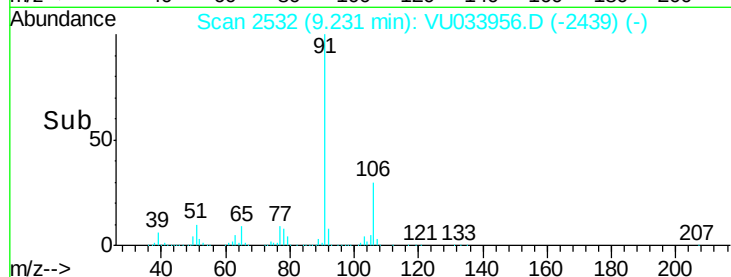
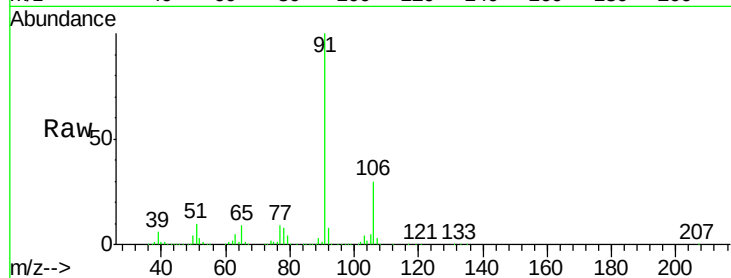
Ion Ratio Lower Upper

91 100

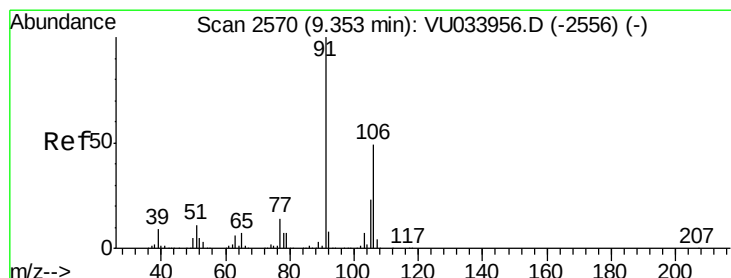
106 30.4 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 96.189 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU033956.D

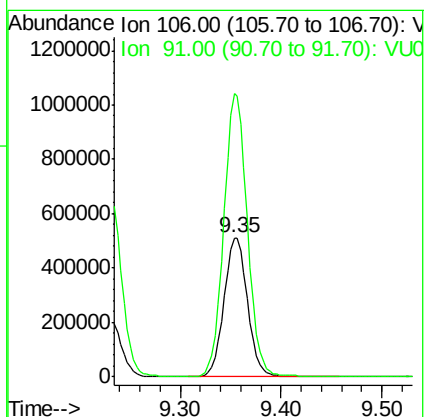
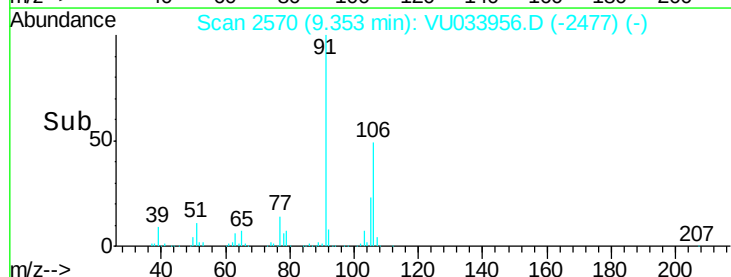
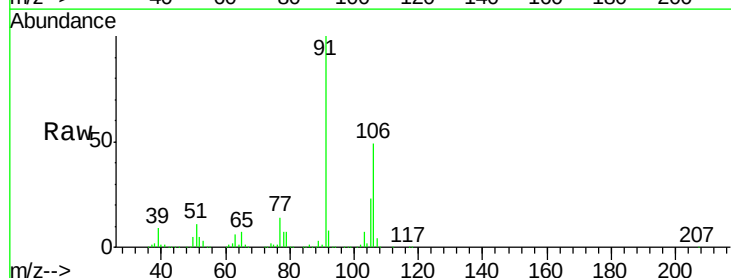
Acq: 26 Aug 2019 17:50

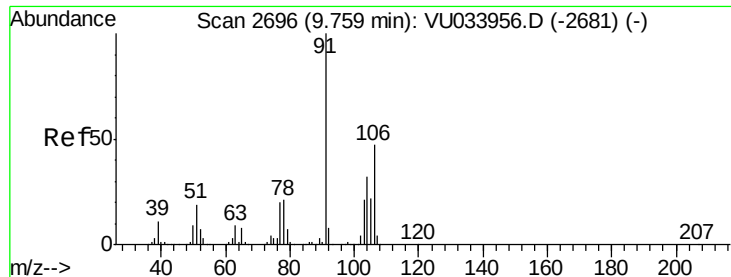
Tgt Ion: 106 Resp: 830937

Ion Ratio Lower Upper

106 100

91 204.7 163.8 245.6





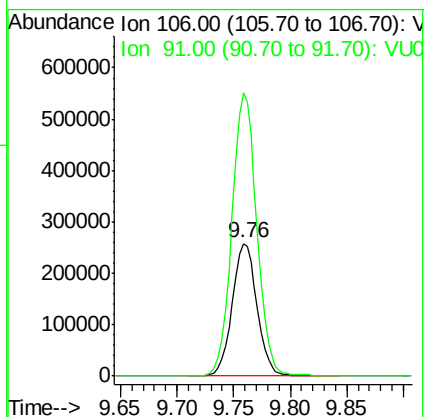
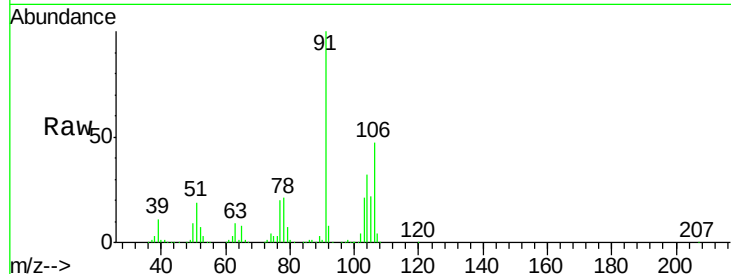
#69
o-Xylene
Concen: 47.033 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

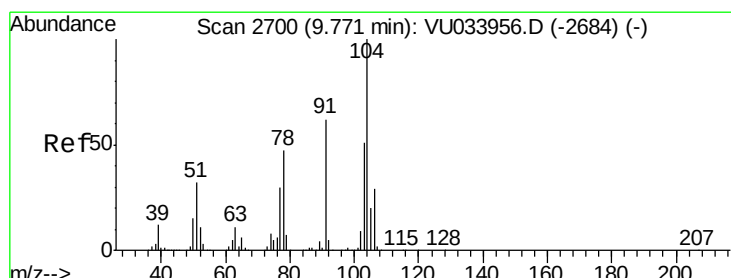
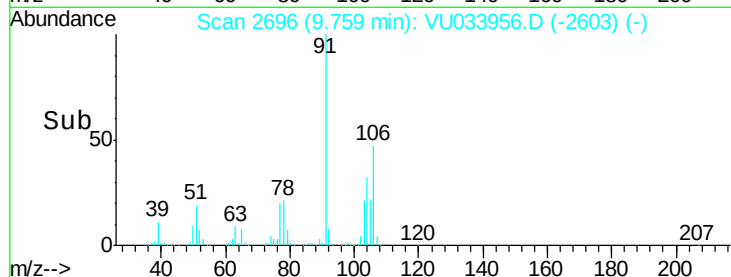
Tot Ion	Ratio	Resp	Lower	Upper
106	100	393790		
91	213.8	106.9	320.7	

Manual Integrations
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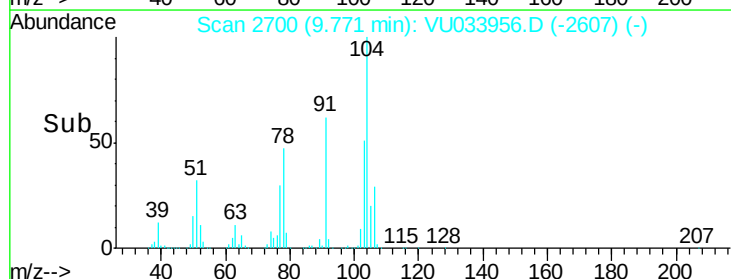
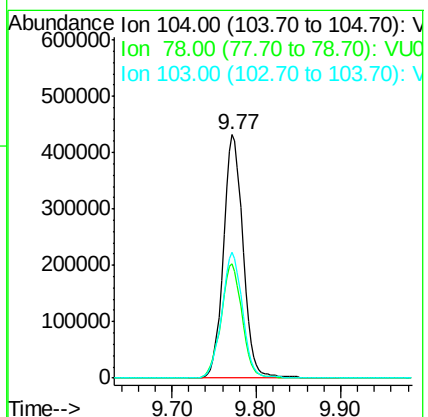
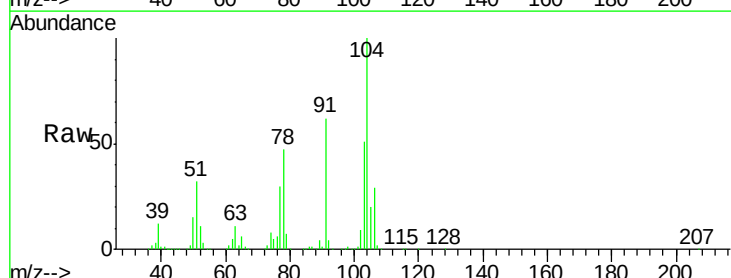


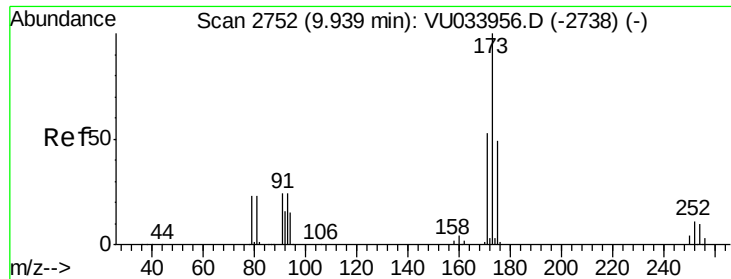
8/27/2019 12:17:01 PM



#70
Styrene
Concen: 49.859 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	699098		
78	50.5	40.4	60.6	
103	54.7	43.8	65.6	





#71

Bromoform

Concen: 54.217 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

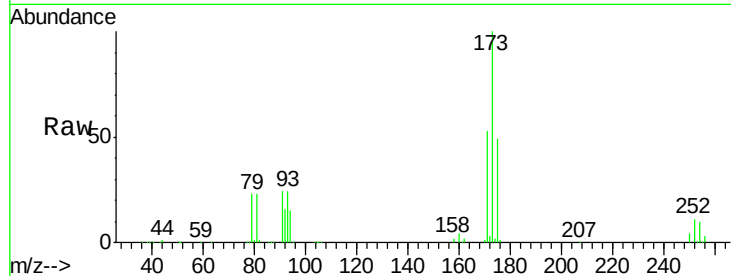
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.8	74.3
254	0.1	0.1	0.1

Manual Integrations
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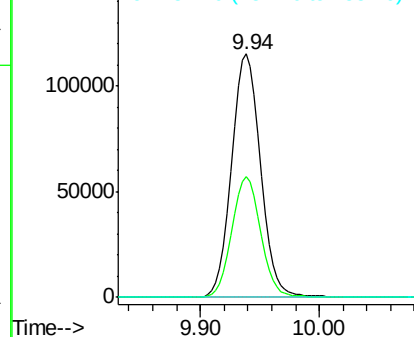


Abundance

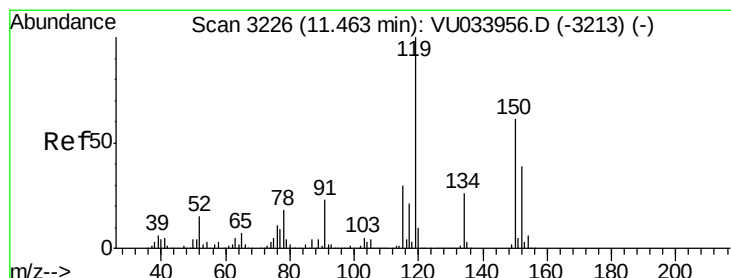
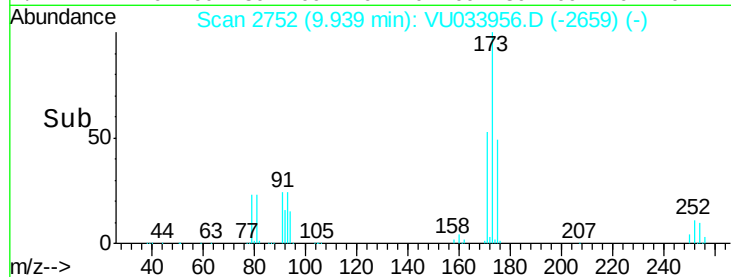
Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

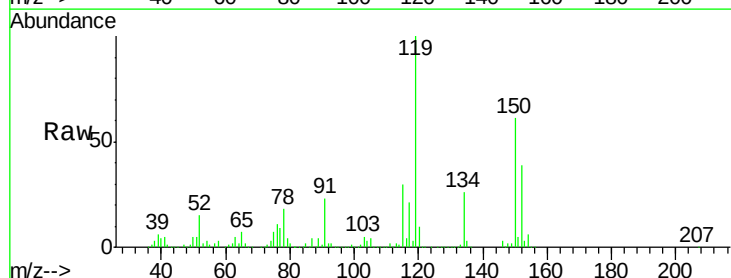
RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.6	40.3	120.9
150	173.0	0.0	346.0

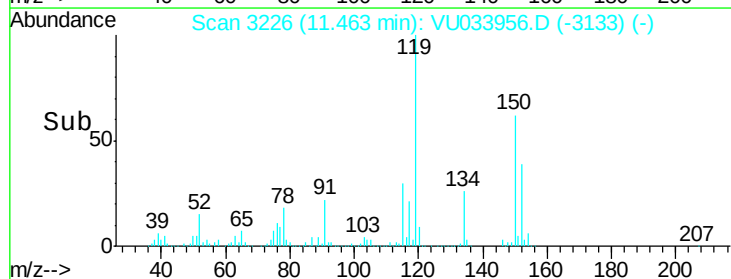
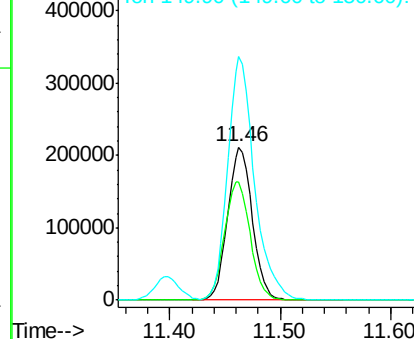


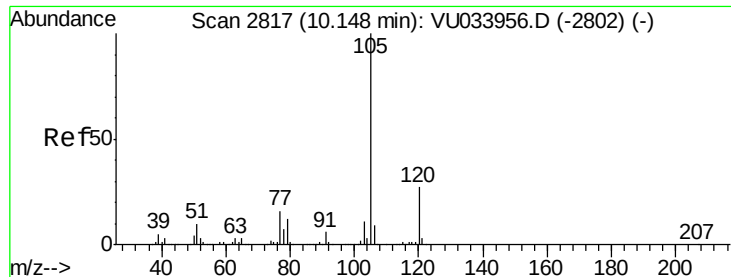
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 43.478 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1070289

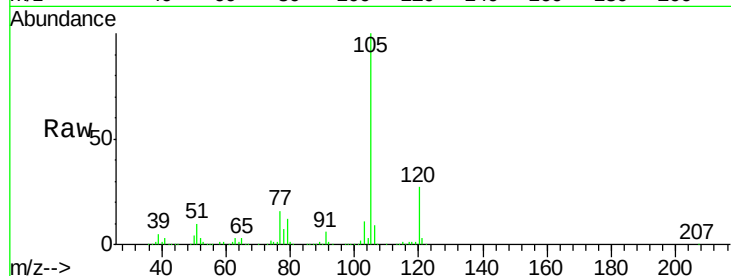
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9

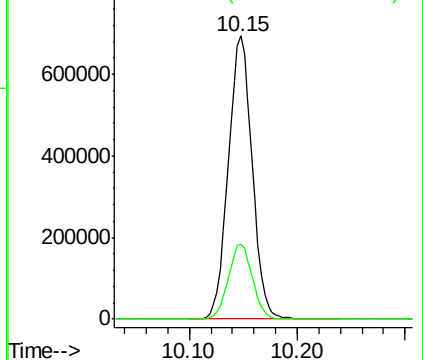
Manual Integrations
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MMDadoda

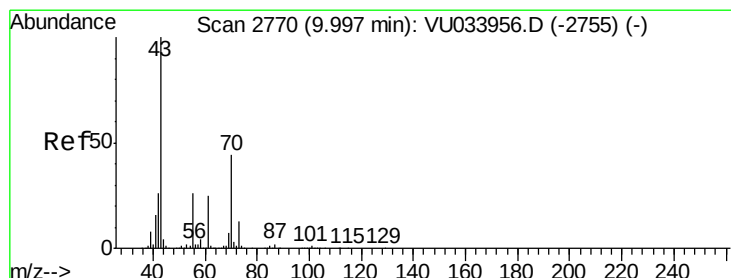
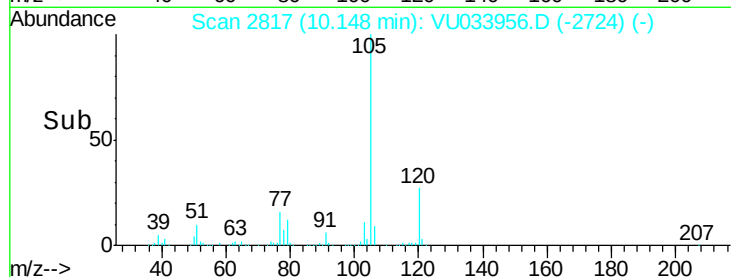


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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#74

N-ethyl acetate

Concen: 36.195 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion: 43 Resp: 498396

Ion Ratio Lower Upper

43 100

70 43.1 34.5 51.7

55 26.1 20.9 31.3

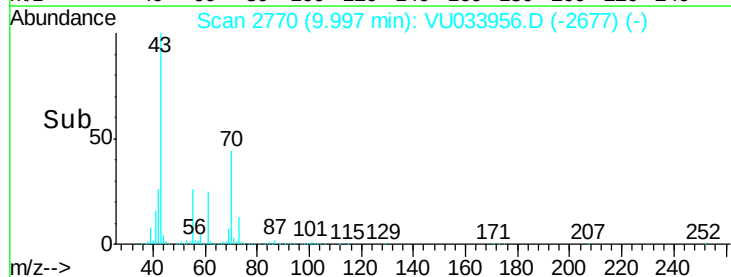
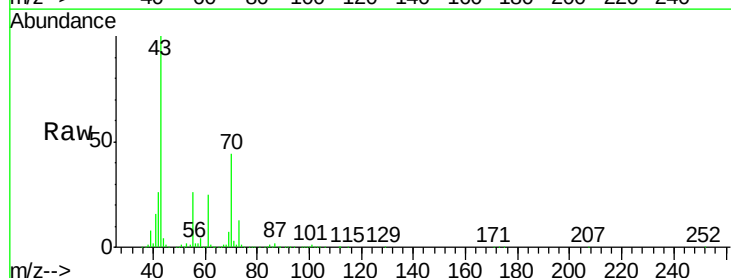
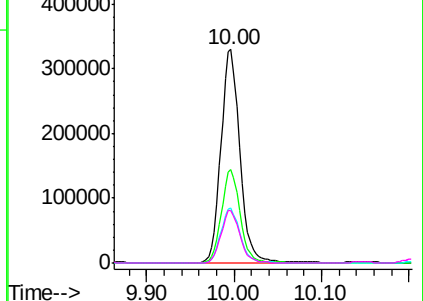
61 24.6 19.7 29.5

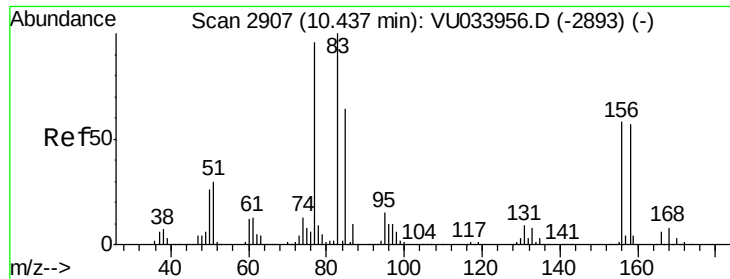
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.328 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

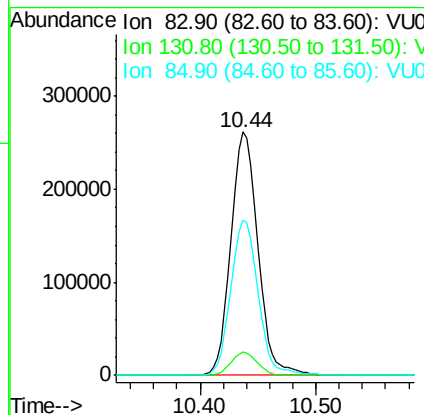
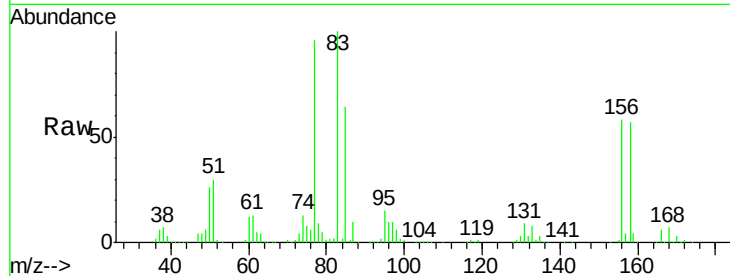
ClientSampleId :

VSTDICCC050

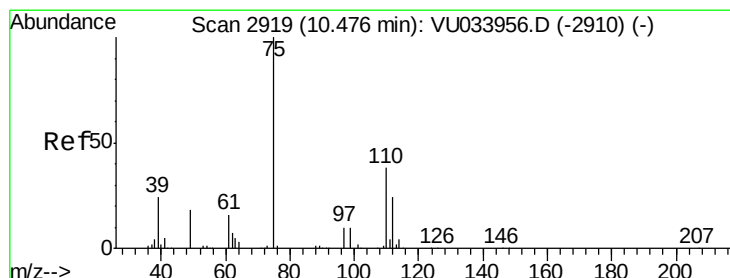
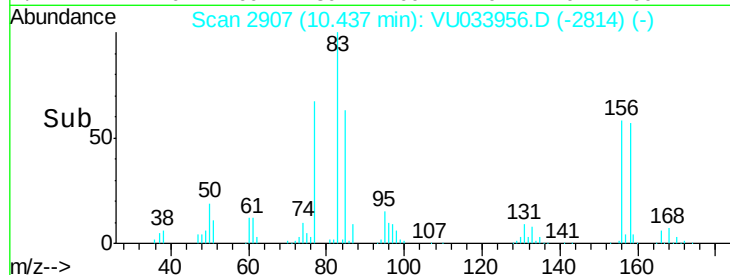
Tot Ion:	83	Resp:	418882
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.6	13.8
85	64.7	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.528 ug/l m

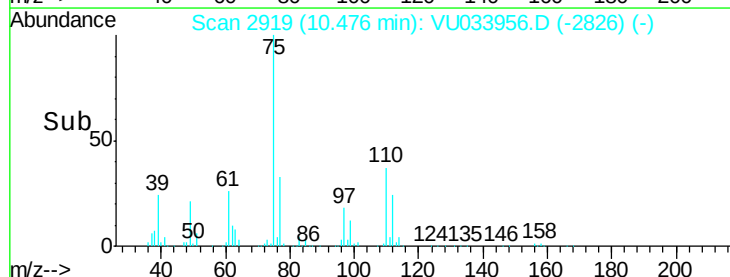
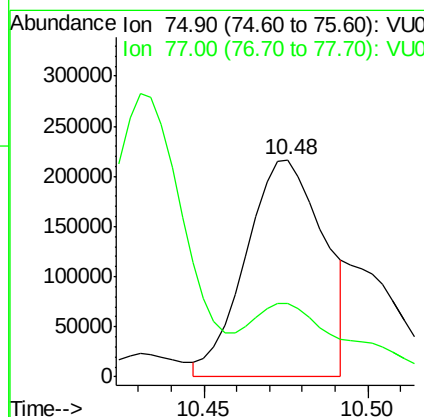
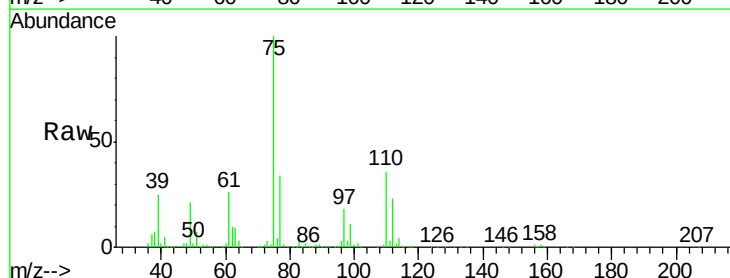
RT: 10.48 min Scan# 2919

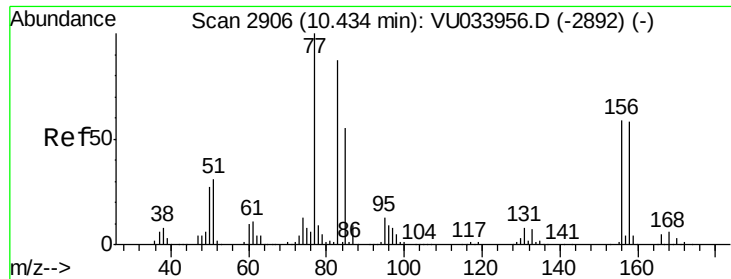
Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion:	75	Resp:	357653
Ion Ratio	Lower	Upper	
75	100		
77	42.6	20.1	60.3





#77

Bromobenzene

Concen: 46.611 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

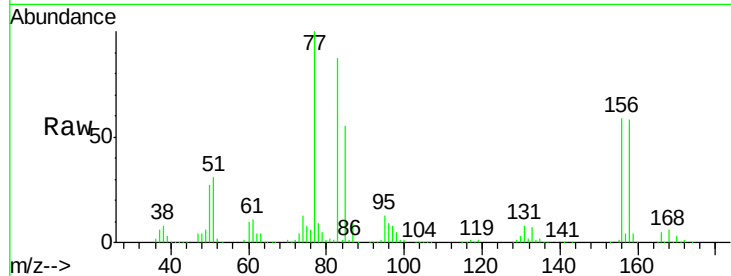
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	271011
Ion Ratio	Lower	Upper	
156	100		
77	170.5	85.3	255.8
158	97.8	48.9	146.7

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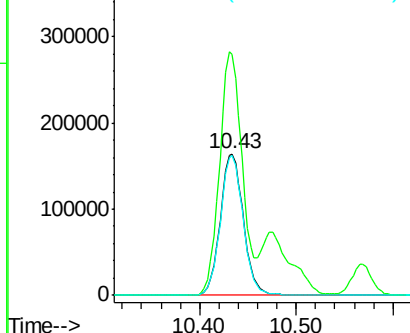
MMDadoda



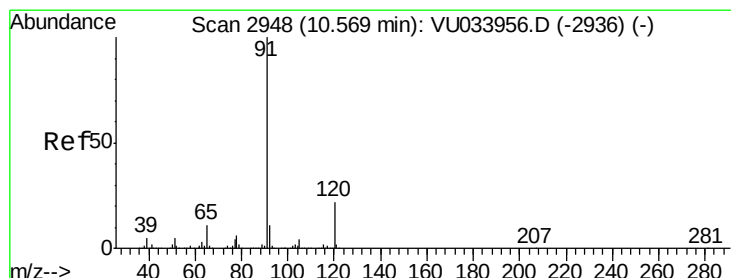
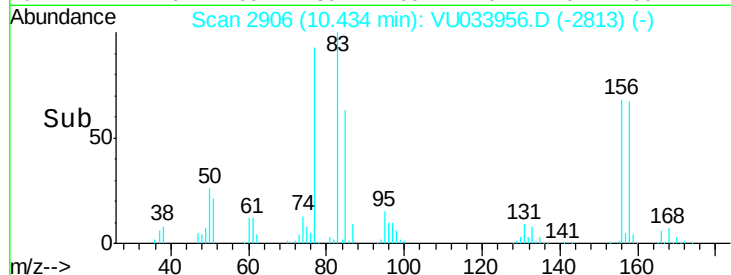
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



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#78

n-propylbenzene

Concen: 42.689 ug/l

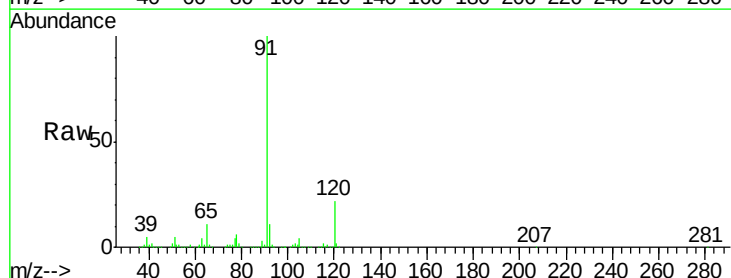
RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU033956.D

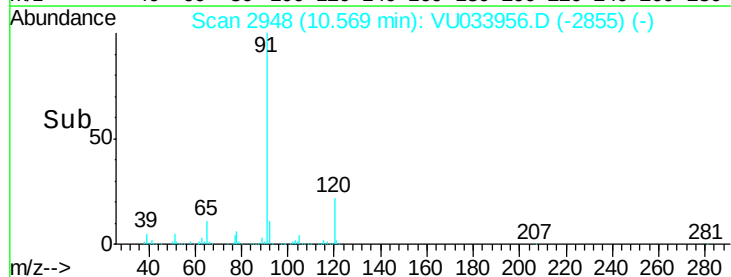
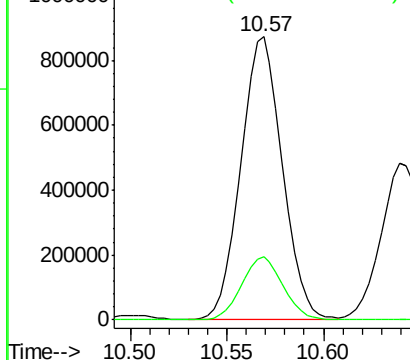
Acq: 26 Aug 2019 17:50

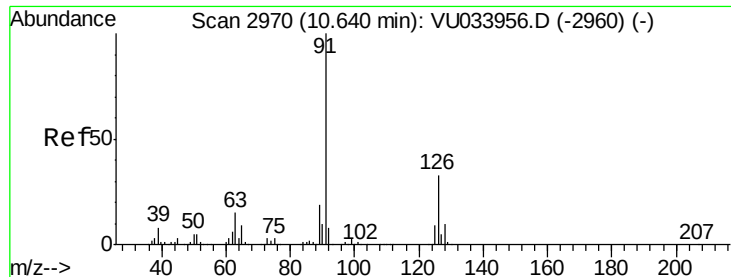
Tgt Ion:	91	Resp:	1299495
Ion Ratio	Lower	Upper	
91	100		
120	22.4	11.2	33.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.928 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 752890

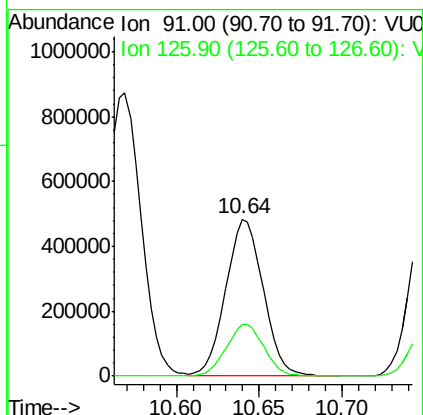
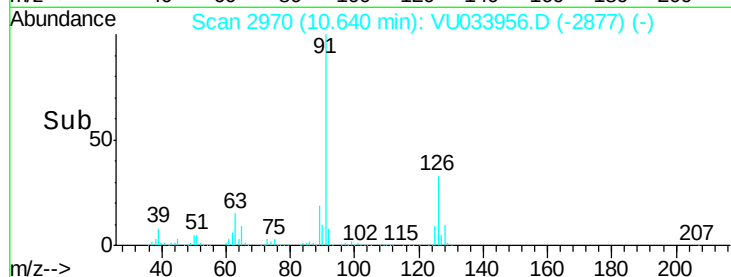
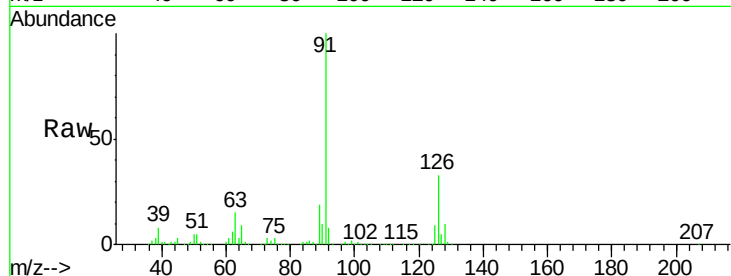
Ion Ratio Lower Upper

91 100

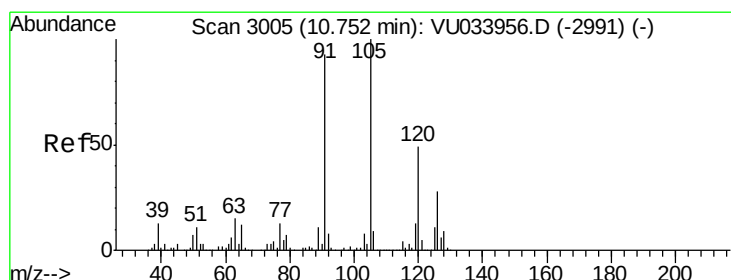
126 33.5 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 45.342 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU033956.D

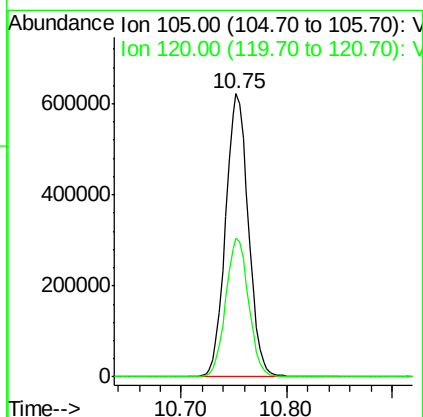
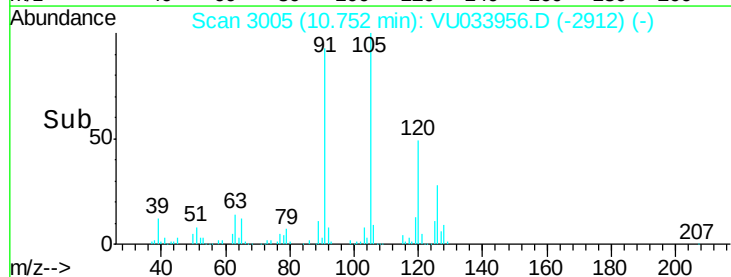
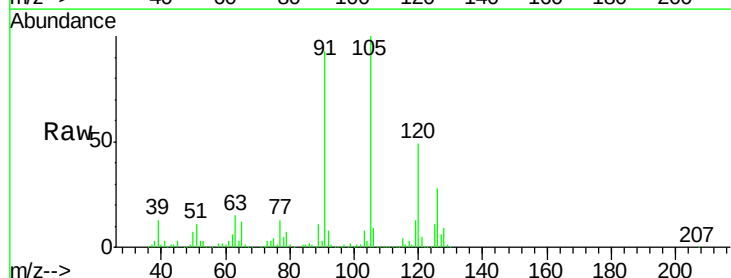
Acq: 26 Aug 2019 17:50

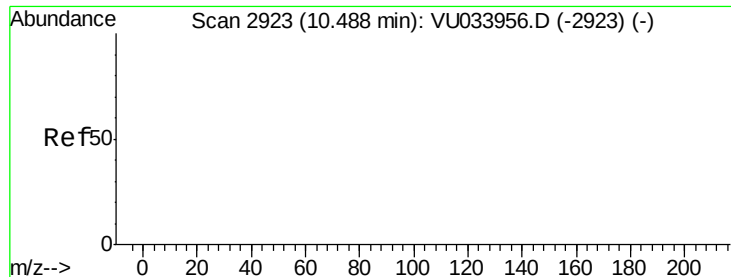
Tgt Ion: 105 Resp: 926676

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8





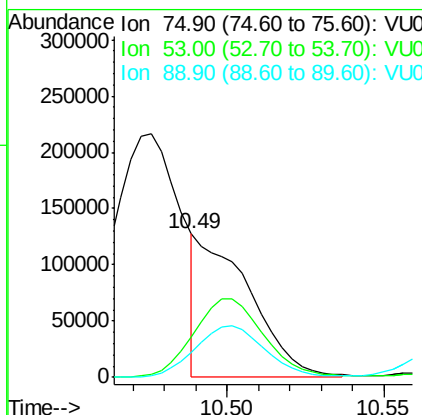
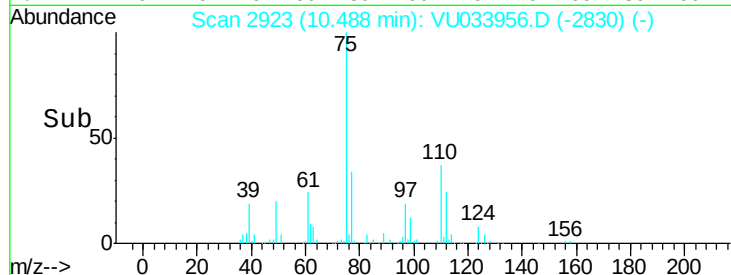
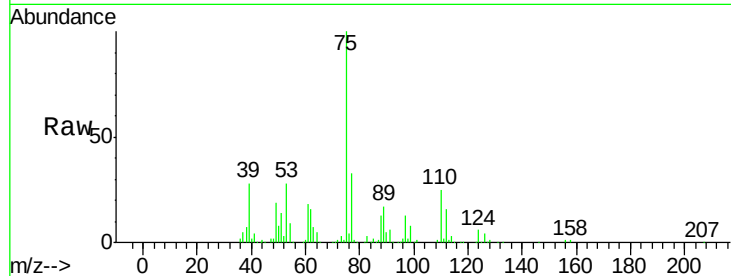
#81
trans-1,4-Dichloro-2-butene
Concen: 41.478 ug/l m
RT: 10.49 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

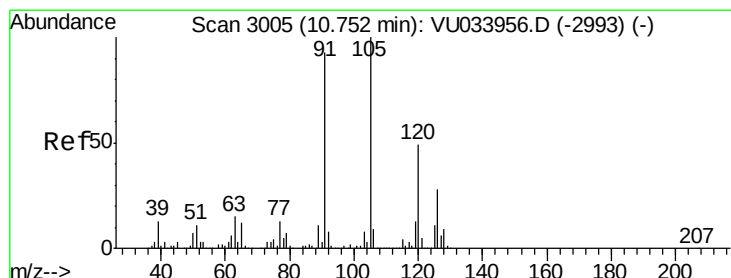
Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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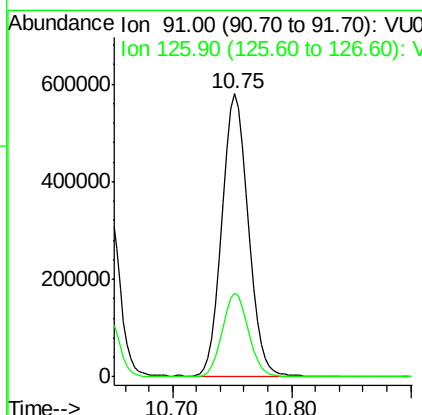
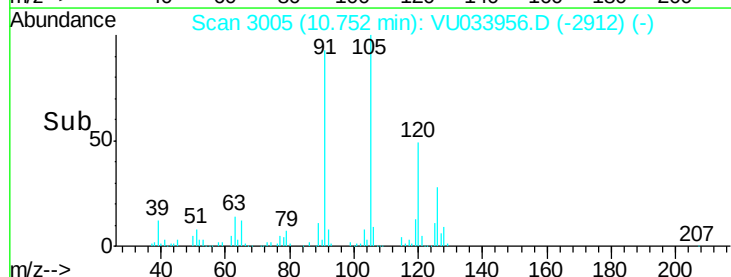
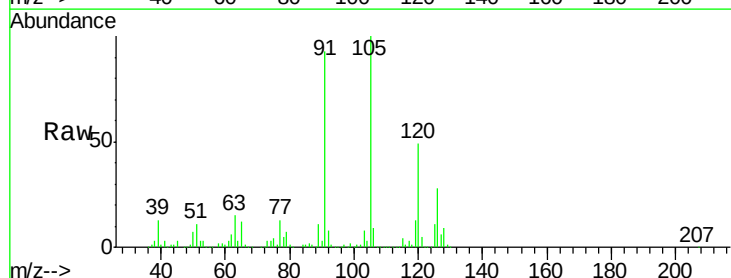


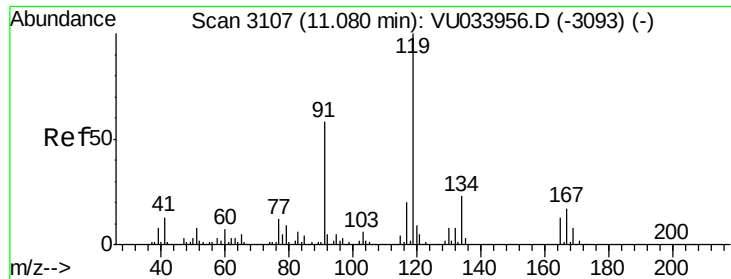
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#82
4-Chlorotoluene
Concen: 42.661 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	29.5	14.8	44.3





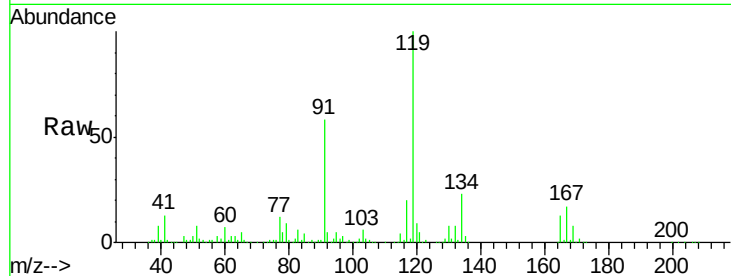
#83
 tert-Butylbenzene
 Concen: 44.080 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

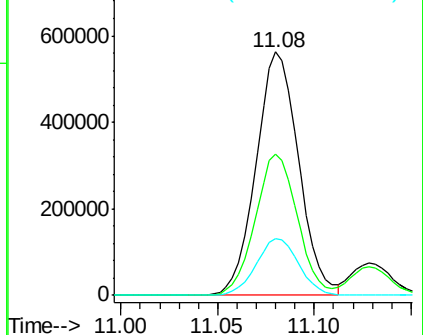
Tot Ion	Ratio	Resp	Lower	Upper
119	100	866275		
91	57.2	28.6	85.8	
134	23.3	11.7	35.0	

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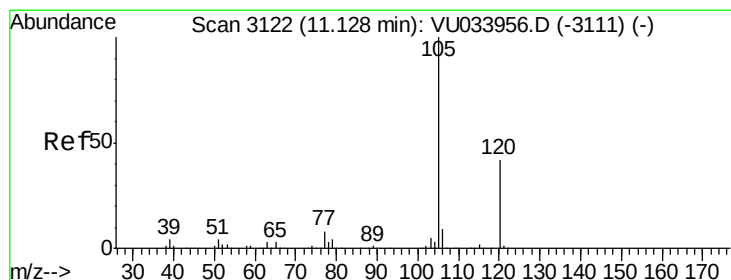
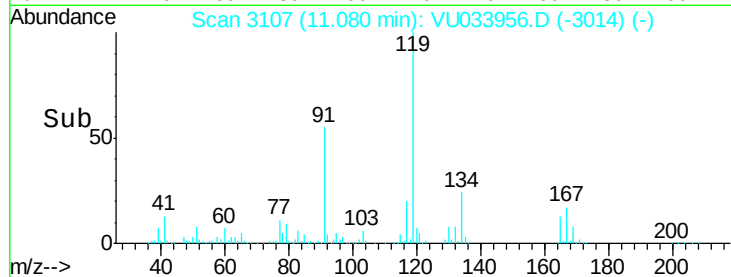
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Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

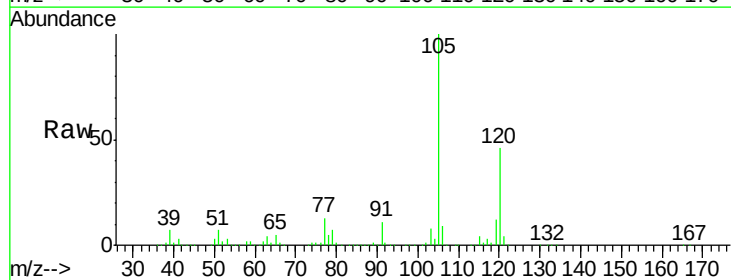


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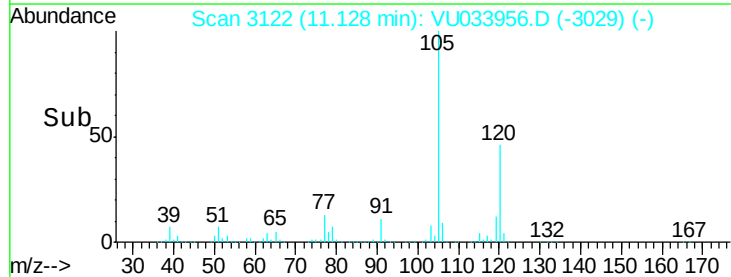
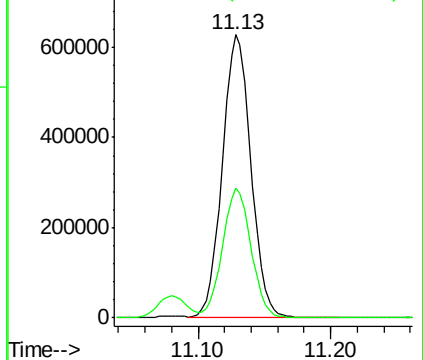


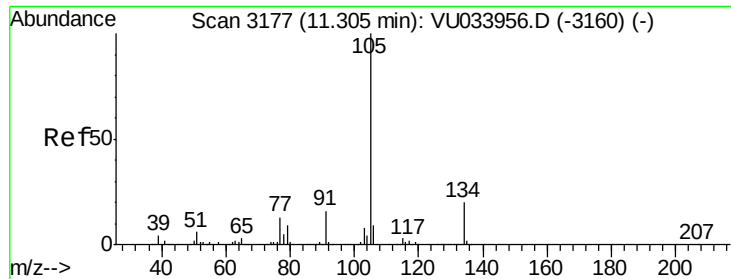
#84
 1,2,4-Trimethylbenzene
 Concen: 44.510 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	935454		
120	46.0	23.0	69.0	



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





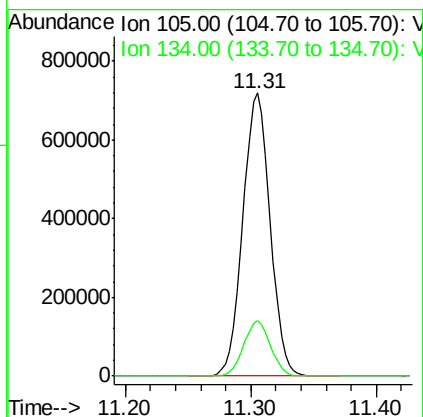
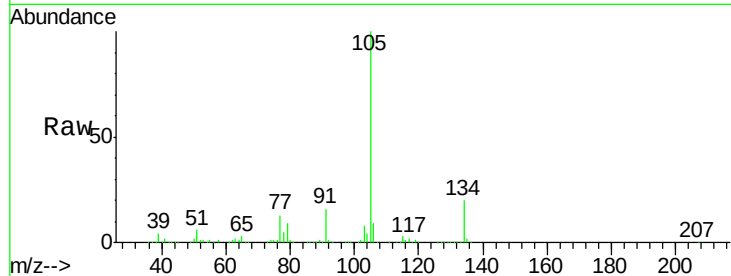
#85
 sec-Butylbenzene
 Concen: 43.152 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

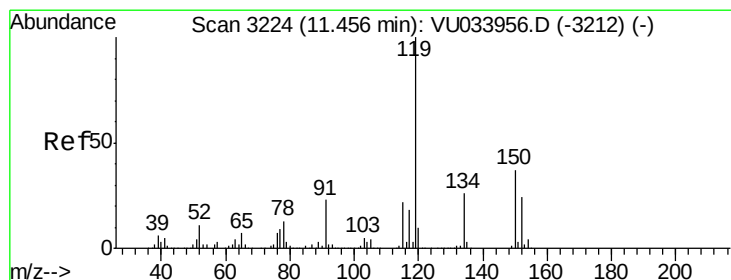
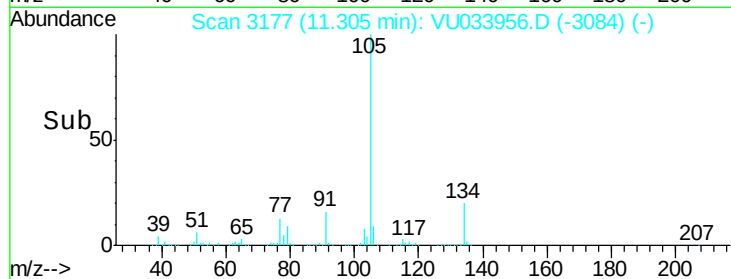
Tot Ion:105 Resp: 1083536
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.7 29.1

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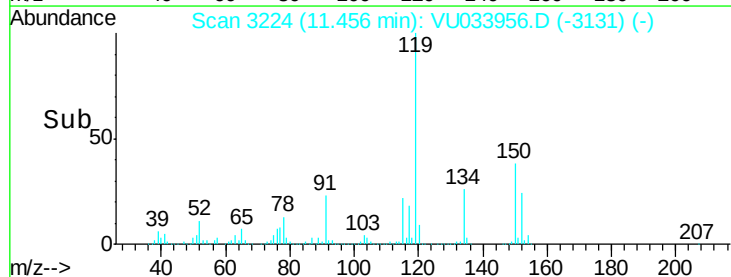
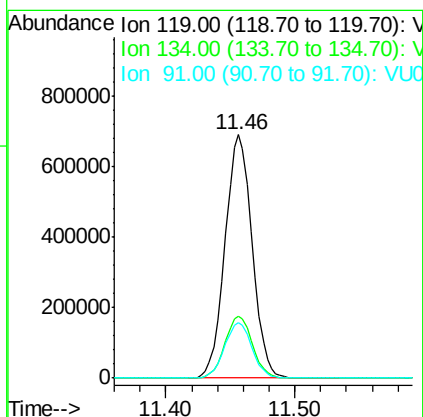
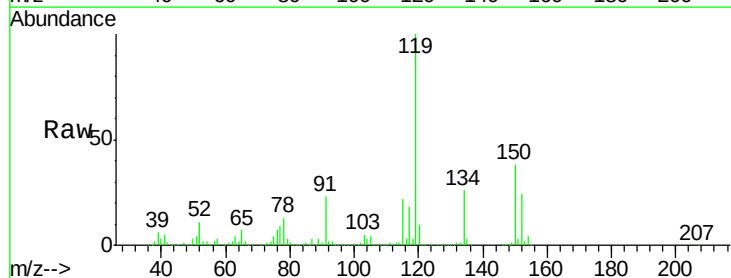


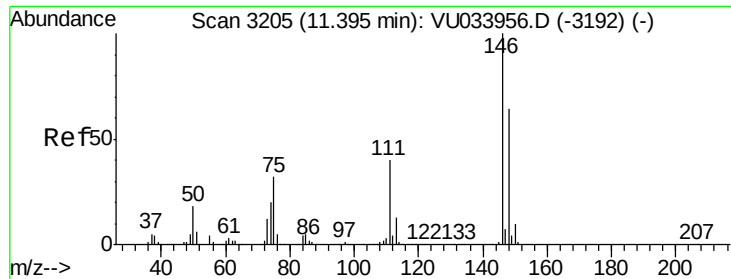
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#86
 p-Isopropyltoluene
 Concen: 46.178 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion:119 Resp: 998444
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 23.1 11.6 34.7





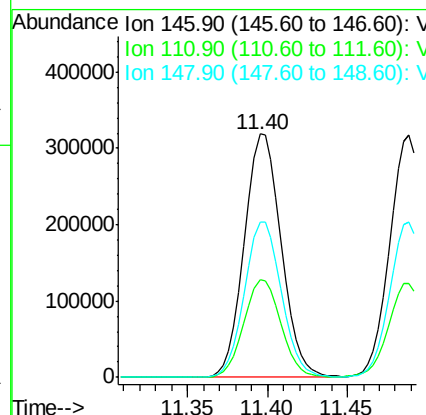
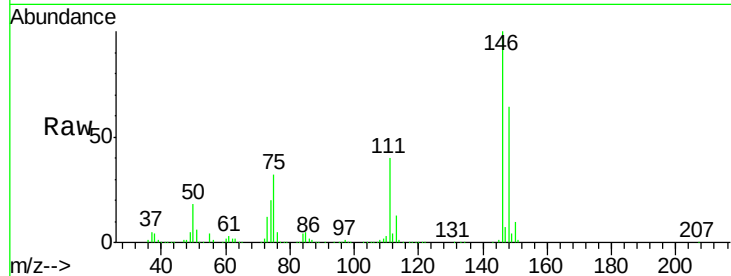
#87
 1,3-Dichlorobenzene
 Concen: 45.690 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

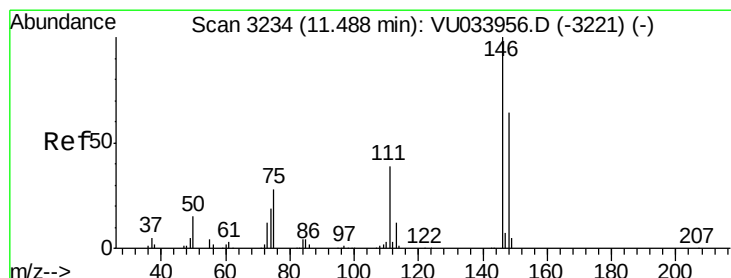
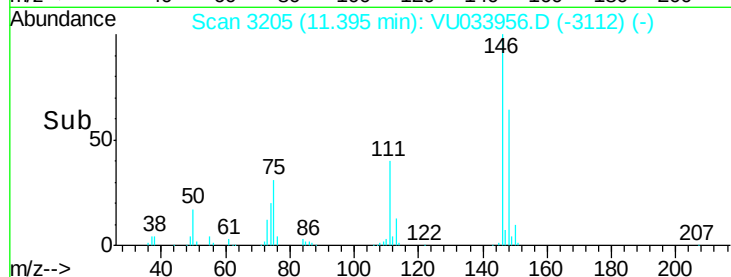
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.1	60.2
148	63.6	31.8	95.4

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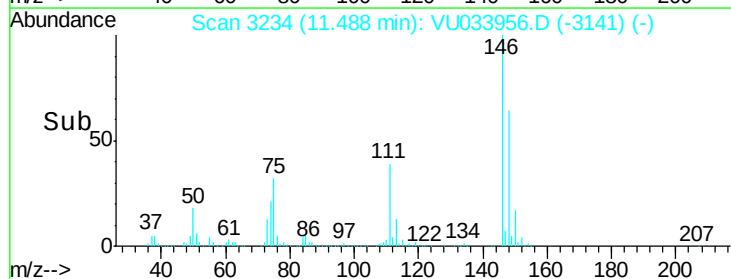
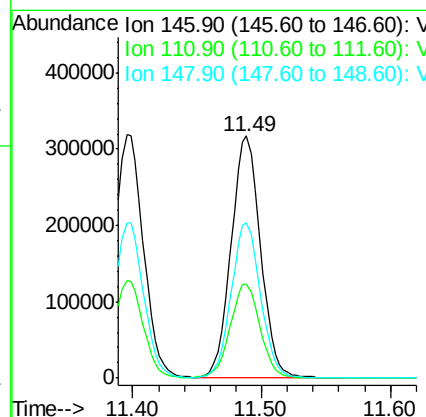
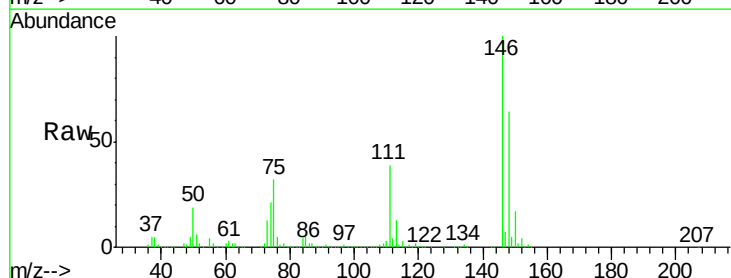


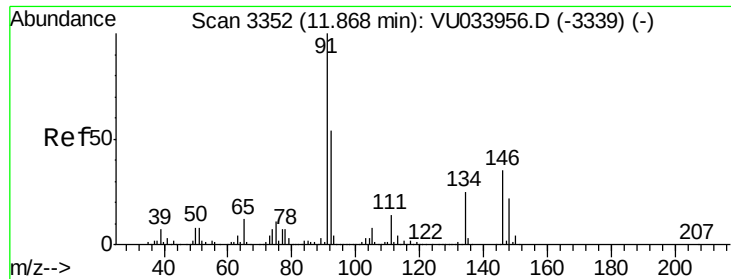
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#88
 1,4-Dichlorobenzene
 Concen: 44.067 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.4	32.2	96.6





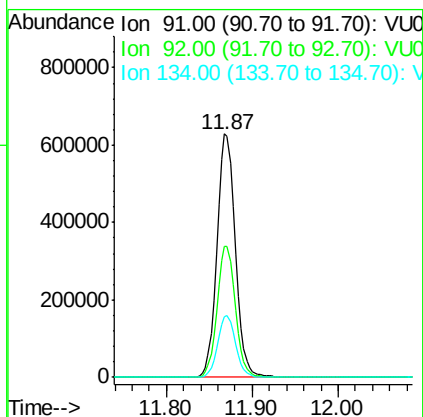
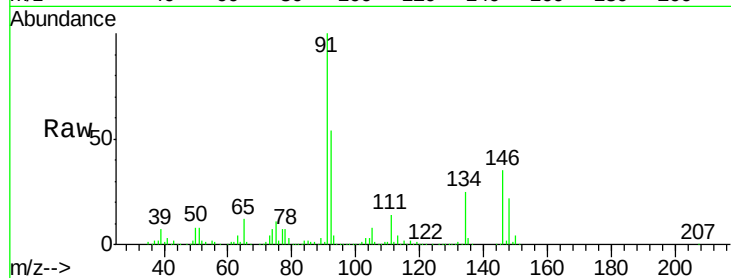
#89
n-Butylbenzene
Concen: 43.360 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

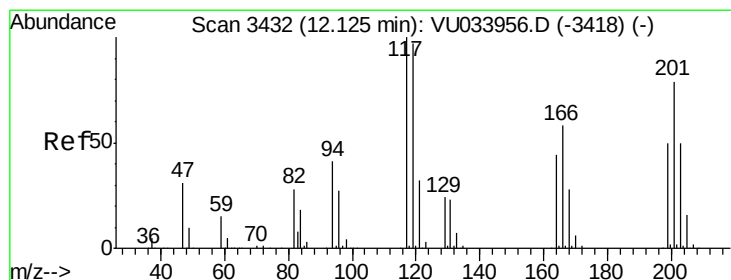
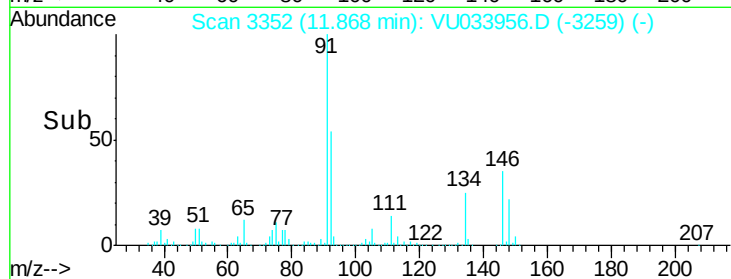
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.6
134	25.1	12.6	37.6

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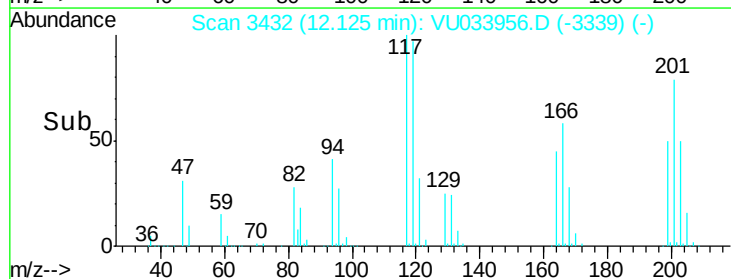
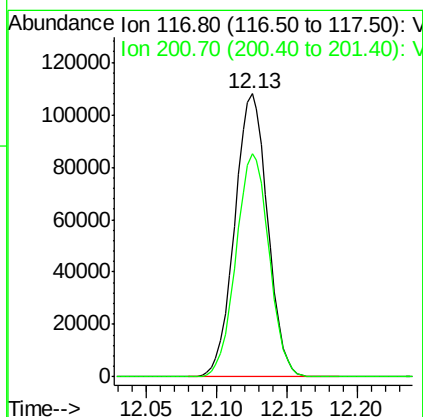
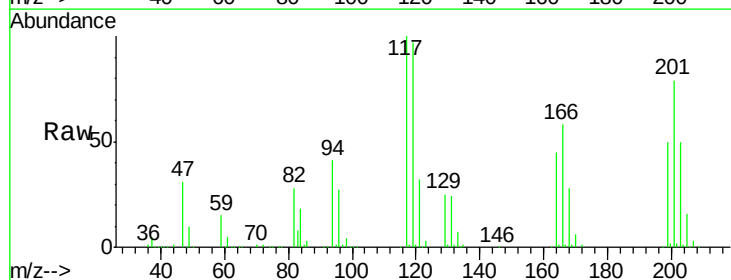


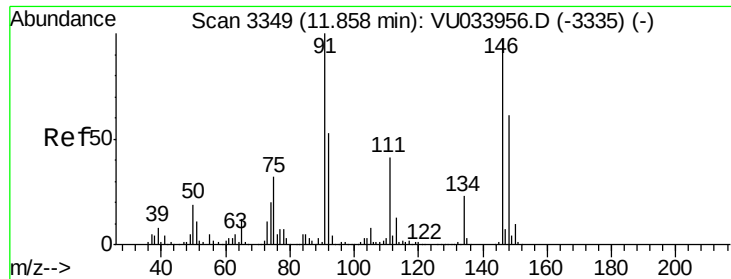
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#90
Hexachloroethane
Concen: 52.792 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU033956.D
Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.6	118.7





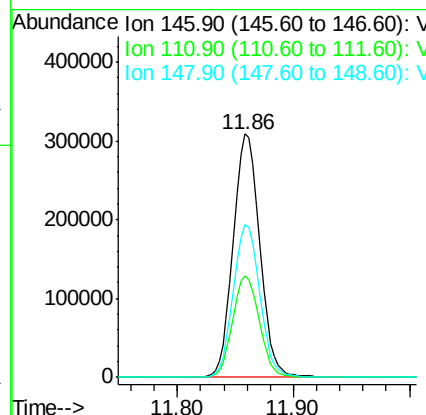
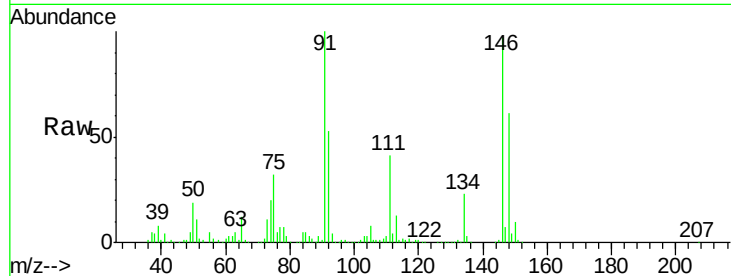
#91
 1,2-Dichlorobenzene
 Concen: 44.519 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

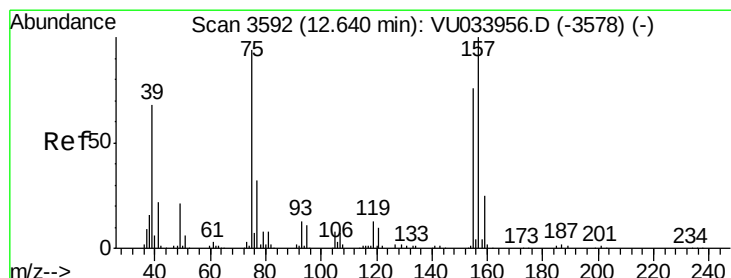
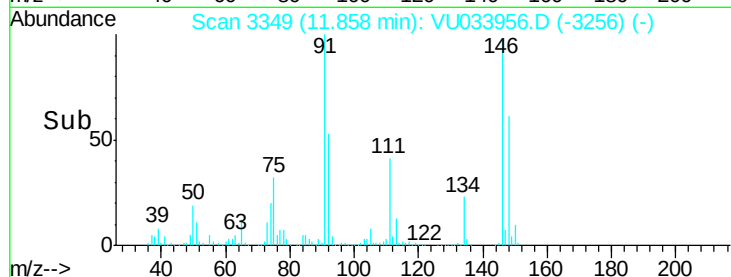
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.4	31.7	95.1

Manual Integrations
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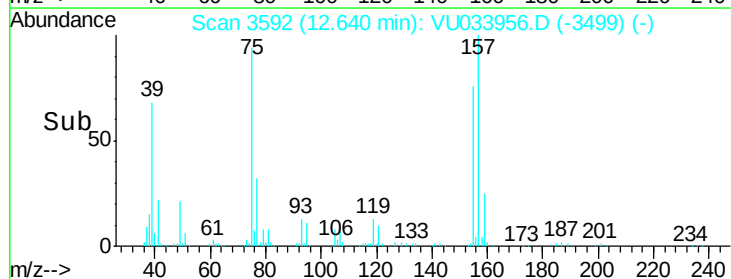
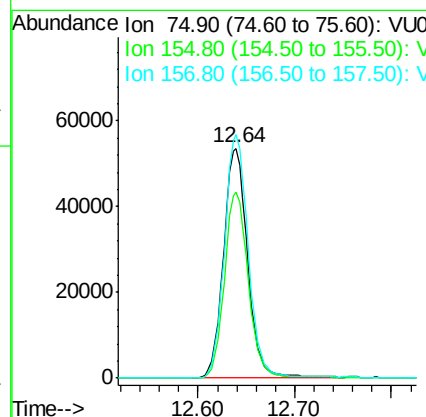
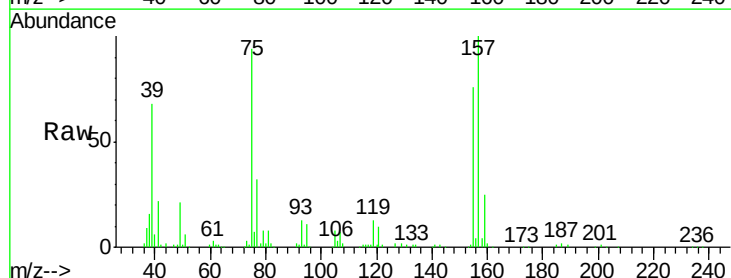


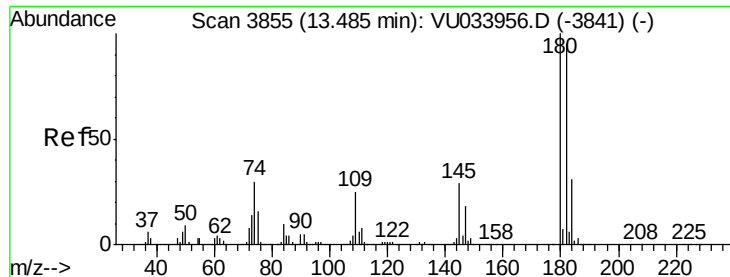
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.397 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.9	40.0	119.9
157	103.8	51.9	155.7





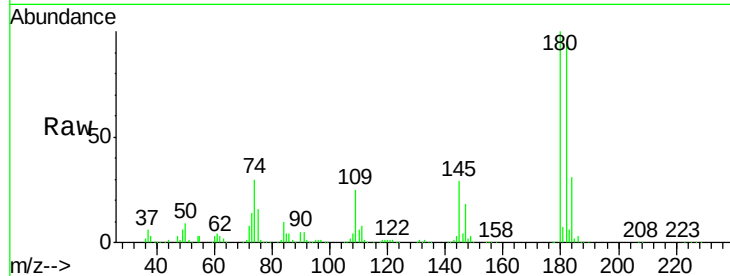
#93
 1,2,4-Trichlorobenzene
 Concen: 42.283 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

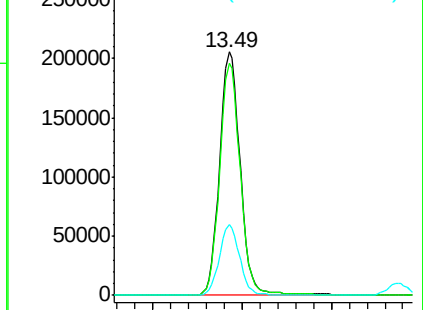
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	28.5	14.2	42.8

Manual Integrations
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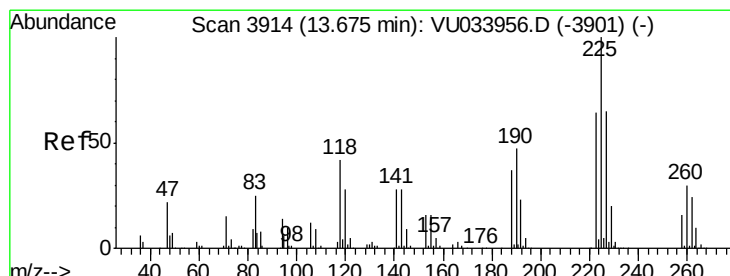
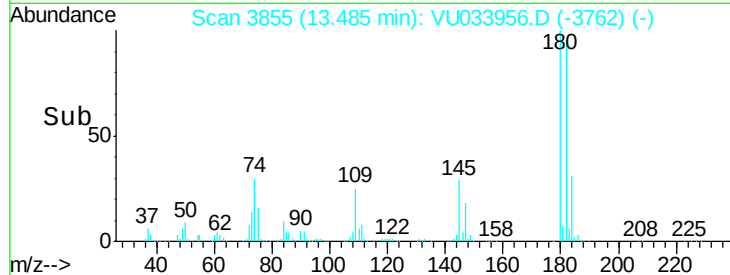
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

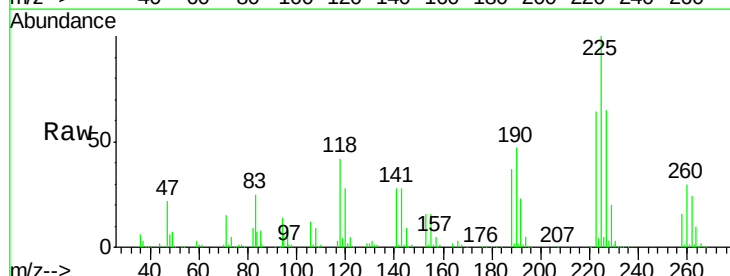


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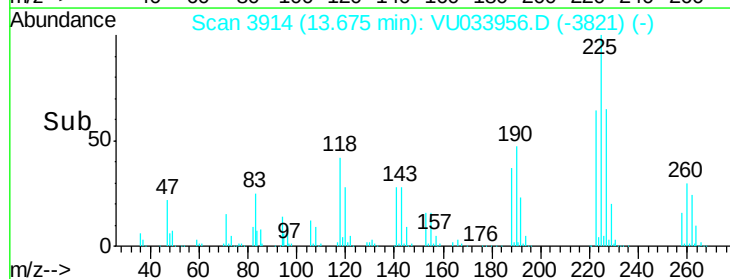
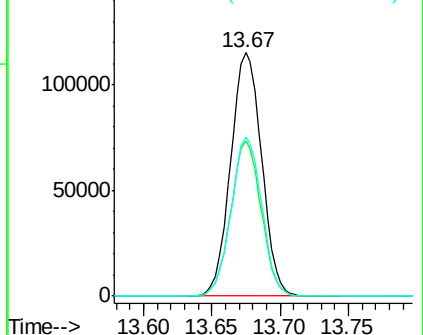


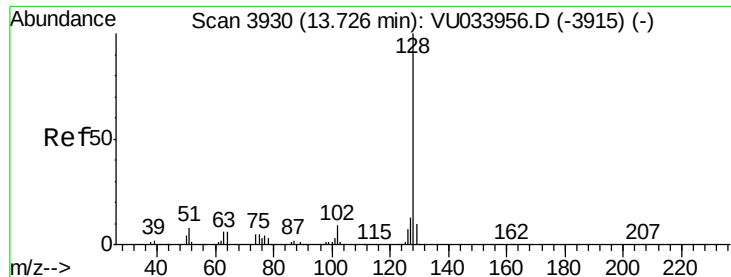
#94
 Hexachlorobutadiene
 Concen: 49.526 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU033956.D
 Acq: 26 Aug 2019 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.4	94.0
227	64.5	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 38.755 ug/l

RT: 13.73 min Scan# 3930

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Instrument :

MSVOA_U

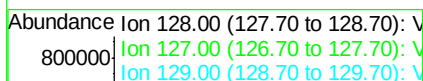
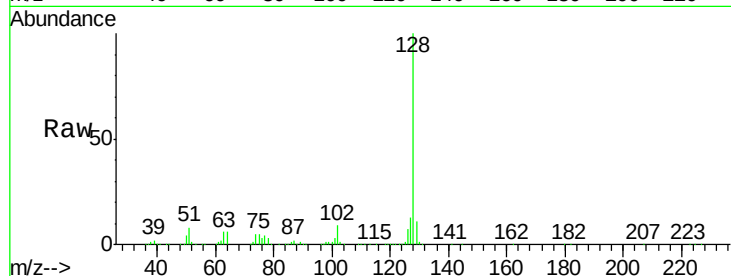
ClientSampleId :

VSTDICCC050

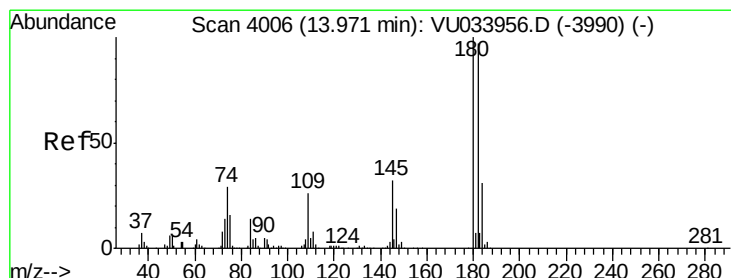
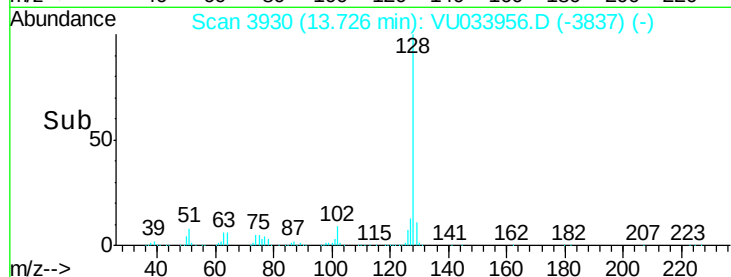
Tot Ion:	128	Resp:	994620
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.4	8.3	12.5

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 41.930 ug/l

RT: 13.97 min Scan# 4006

Delta R.T. 0.00 min

Lab File: VU033956.D

Acq: 26 Aug 2019 17:50

Tgt Ion:	180	Resp:	329187
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.6	145.8
145	31.3	15.7	47.0

