

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034083.D
 Acq On : 30 Aug 2019 09:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:24:30 AM

Quant Time: Aug 30 15:30:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	436878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	659838	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	636339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	352267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	261463	46.71	ug/l	0.00
Spiked Amount						
			Recovery	=	93.42%	
35) Dibromofluoromethane	4.86	113	221725	48.45	ug/l	0.00
Spiked Amount						
			Recovery	=	96.90%	
50) Toluene-d8	7.55	98	870598	50.80	ug/l	0.00
Spiked Amount						
			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	10.29	95	327827	49.18	ug/l	0.00
Spiked Amount						
			Recovery	=	98.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	239389	54.484	ug/l	99
3) Chloromethane	1.32	50	266212	45.166	ug/l	99
4) Vinyl Chloride	1.40	62	288201	49.283	ug/l	99
5) Bromomethane	1.61	94	123427	43.040	ug/l	98
6) Chloroethane	1.69	64	172596	48.277	ug/l	99
7) Trichlorofluoromethane	1.88	101	346609	51.153	ug/l	99
8) Diethyl Ether	2.09	74	147300	50.816	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	224190	52.227	ug/l	99
10) Methyl Iodide	2.40	142	143079	23.497	ug/l	100
11) Tert butyl alcohol	2.81	59	263178	203.871	ug/l	99
12) 1,1-Dichloroethene	2.27	96	219229	50.126	ug/l	99
13) Acrolein	2.18	56	88796	163.514	ug/l	98
14) Allyl chloride	2.58	41	357496	43.475	ug/l	93
15) Acrylonitrile	2.92	53	735857	248.414	ug/l	100
16) Acetone	2.31	43	819823	287.023	ug/l	100
17) Carbon Disulfide	2.46	76	655039	47.322	ug/l	100
18) Methyl Acetate	2.60	43	339122	45.944	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	733901	51.214	ug/l	100
20) Methylene Chloride	2.68	84	263509	48.732	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	235806	49.679	ug/l	100
22) Diisopropyl ether	3.55	45	777578	51.604	ug/l	97
23) Vinyl Acetate	3.50	43	3326716	257.009	ug/l	99
24) 1,1-Dichloroethane	3.42	63	448341	50.398	ug/l	100
25) 2-Butanone	4.23	43	1066937	268.489	ug/l	100
26) 2,2-Dichloropropane	4.20	77	363200	50.175	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	265042	49.748	ug/l	100
28) Bromochloromethane	4.52	49	203762	46.490	ug/l	99
29) Tetrahydrofuran	4.61	42	615230	251.045	ug/l	99
30) Chloroform	4.65	83	435350	49.049	ug/l	99
31) Cyclohexane	4.97	56	401375	48.016	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	365089	50.223	ug/l	99
36) 1,1-Dichloropropene	5.11	75	327005	52.394	ug/l	99
37) Ethyl Acetate	4.35	43	353384	50.563	ug/l	99
38) Carbon Tetrachloride	5.11	117	317299	52.669	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	389741	52.982	ug/l	99
40) Benzene	5.37	78	988367	52.341	ug/l	100
41) Methacrylonitrile	4.52	41	192263	53.639	ug/l	99
42) 1,2-Dichloroethane	5.38	62	338048	51.843	ug/l	99
43) Isopropyl Acetate	5.53	43	541130	50.893	ug/l	99
44) Trichloroethene	6.16	130	258810	52.193	ug/l	97
45) 1,2-Dichloropropane	6.41	63	277733	53.430	ug/l	99
46) Dibromomethane	6.54	93	175102	52.286	ug/l	99
47) Bromodichloromethane	6.74	83	342263	52.237	ug/l	99
48) Methyl methacrylate	6.60	41	266067	51.856	ug/l	98
49) 1,4-Dioxane	6.59	88	109739	853.621	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1832980	249.620	ug/l	99
52) Toluene	7.62	92	625643	53.785	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	377080	51.867	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	422756	53.226	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	253181	51.456	ug/l	100
56) Ethyl methacrylate	8.00	69	380296	46.662	ug/l	99
57) 1,3-Dichloropropane	8.22	76	431911	51.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	663177	243.627	ug/l	99
59) 2-Hexanone	8.34	43	1466140	264.486	ug/l	100
60) Dibromochloromethane	8.46	129	274593	51.989	ug/l	99
61) 1,2-Dibromoethane	8.57	107	264535	51.038	ug/l	100
64) Tetrachloroethene	8.21	164	234636	54.906	ug/l	98
65) Chlorobenzene	9.10	112	683899	52.225	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	243514	51.283	ug/l	99
67) Ethyl Benzene	9.23	91	1185383	53.400	ug/l	100
68) m/p-Xylenes	9.36	106	926502	109.767	ug/l	99
69) o-Xylene	9.76	106	437393	54.014	ug/l	99
70) Styrene	9.77	104	780938	56.244	ug/l	100
71) Bromoform	9.94	173	208371	50.506	ug/l	# 100
73) Isopropylbenzene	10.15	105	1192794	50.411	ug/l	100
74) N-amyl acetate	10.00	43	492030	49.441	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	423330	46.744	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	365726m	46.064	ug/l	
77) Bromobenzene	10.43	156	310512	48.784	ug/l	99
78) n-propylbenzene	10.57	91	1424170	51.683	ug/l	100
79) 2-Chlorotoluene	10.64	91	834911	50.514	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1056674	52.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	106241m	45.058	ug/l	
82) 4-Chlorotoluene	10.75	91	976837	51.389	ug/l	100
83) tert-Butylbenzene	11.08	119	982670	49.774	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1055247	52.990	ug/l	99
85) sec-Butylbenzene	11.31	105	1207818	51.044	ug/l	100
86) p-Isopropyltoluene	11.46	119	1135699	53.069	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	571021	50.674	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	574241	50.390	ug/l	100
89) n-Butylbenzene	11.87	91	1034495	54.828	ug/l	100
90) Hexachloroethane	12.13	117	165722	44.790	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	553776	51.303	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	86922	48.177	ug/l	99

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QLast Update : Thu Aug 29 04:11:12 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	389681	50.737	ug/l	99
94) Hexachlorobutadiene	13.67	225	198728	47.062	ug/l	98
95) Naphthalene	13.73	128	1068674	48.653	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	378840	54.788	ug/l	100

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

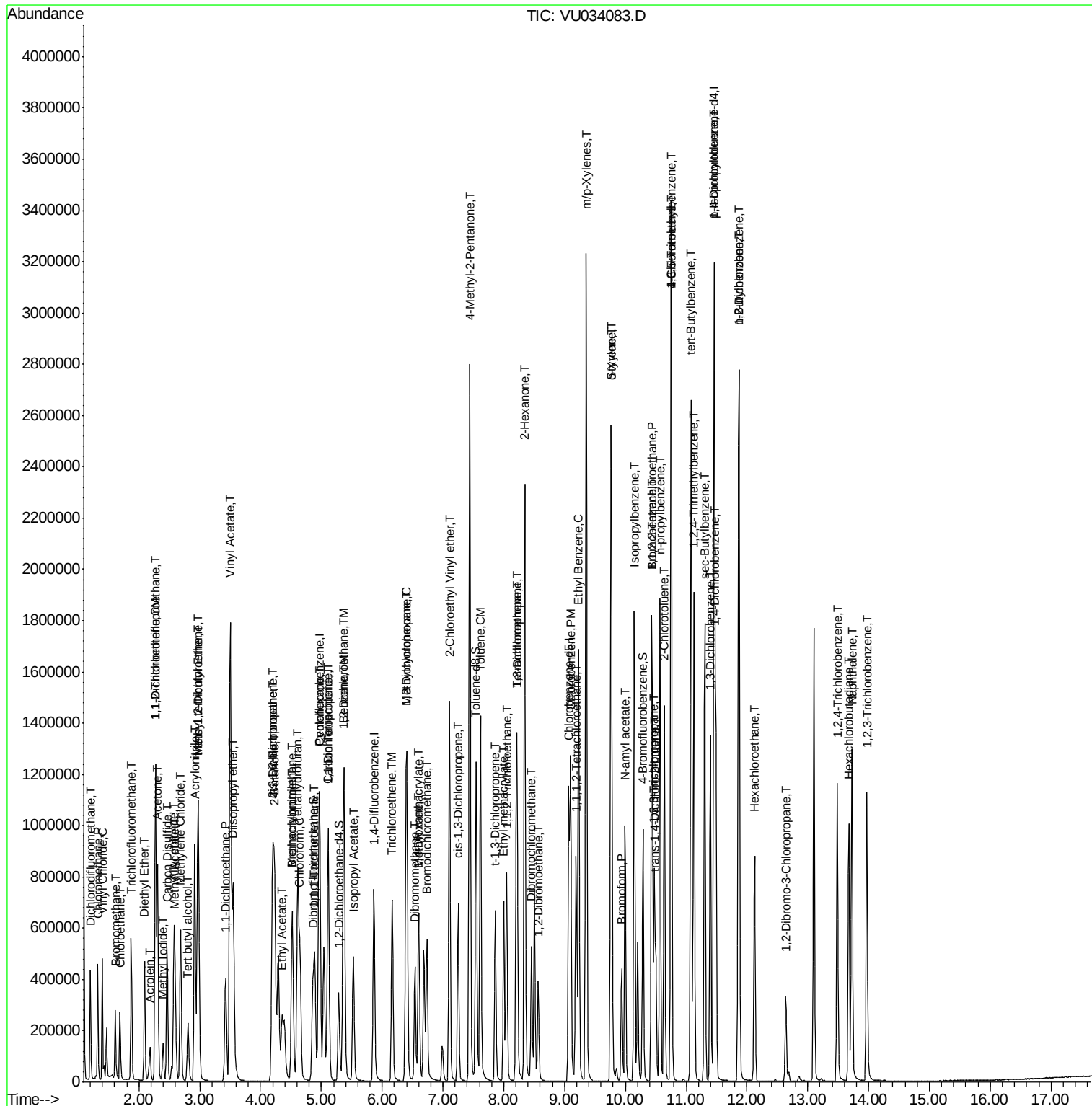
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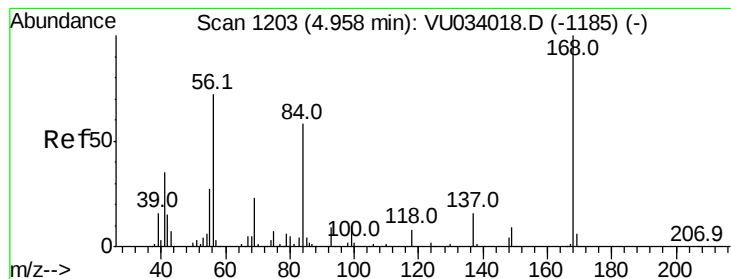
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 436878

Ion Ratio Lower Upper

168 100

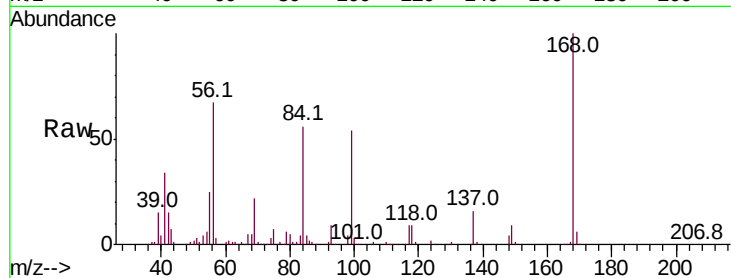
99 53.4 42.3 63.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)

Ion 98.90 (98.60 to 99.60): VU034018.D (-1185) (-)

4.96

200000

150000

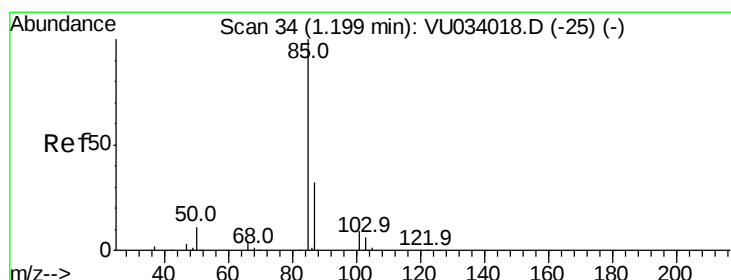
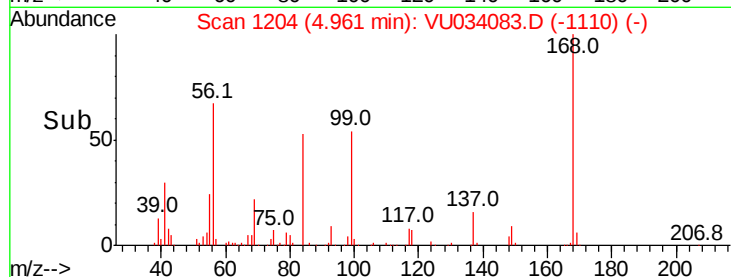
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.484 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034083.D

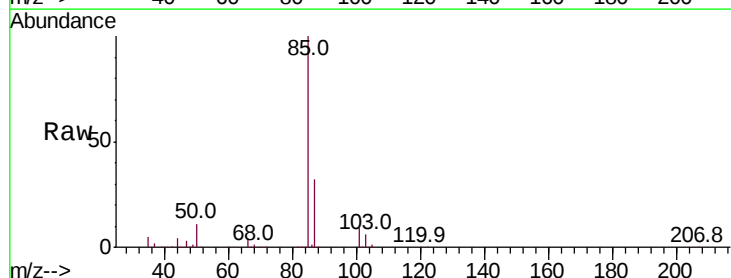
Acq: 30 Aug 2019 09:13

Tgt Ion: 85 Resp: 239389

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU034018.D (-25) (-)

Ion 86.90 (86.60 to 87.60): VU034018.D (-25) (-)

1.20

250000

200000

150000

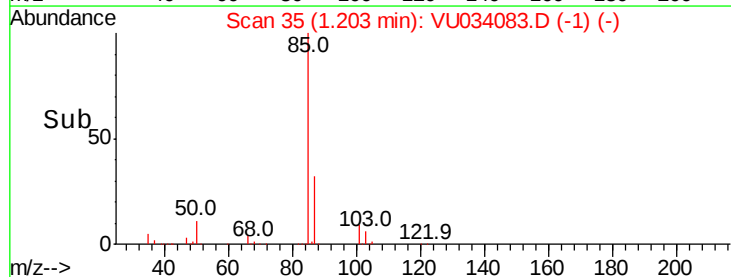
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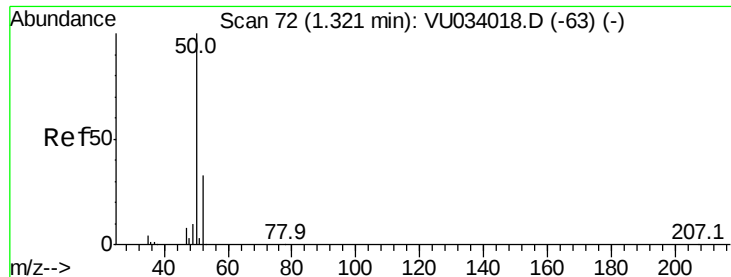
50000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 45.166 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 266212

Ion Ratio Lower Upper

50 100

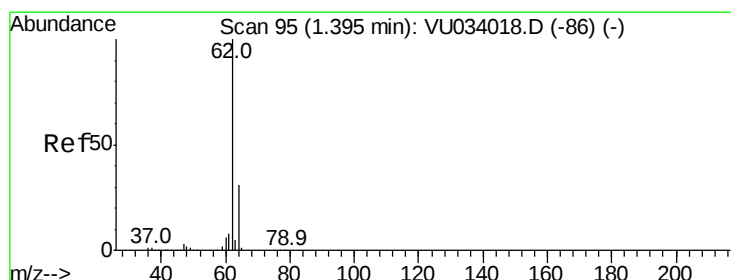
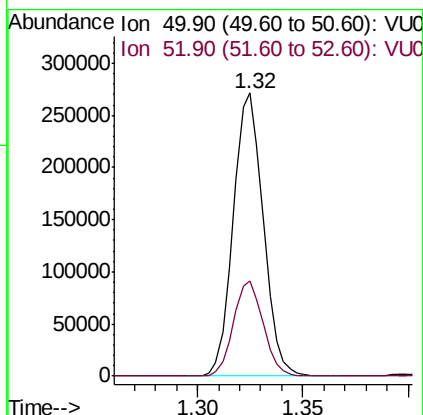
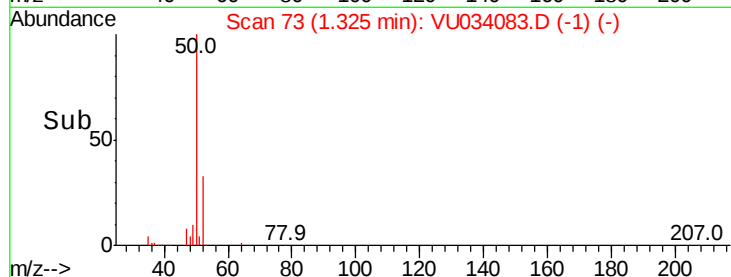
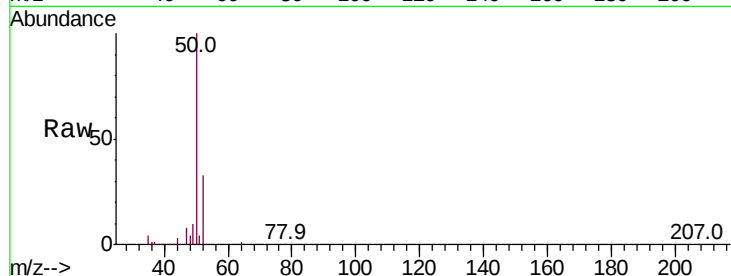
52 33.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.283 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034083.D

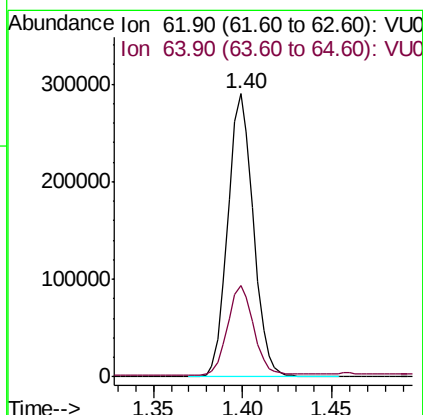
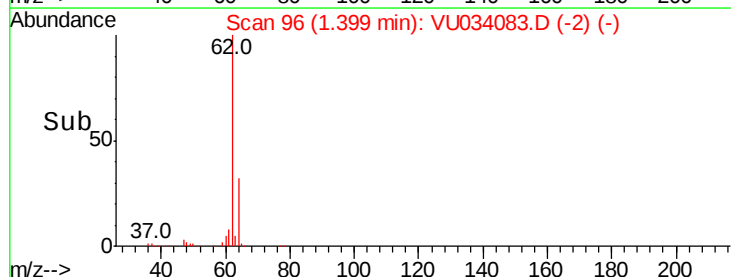
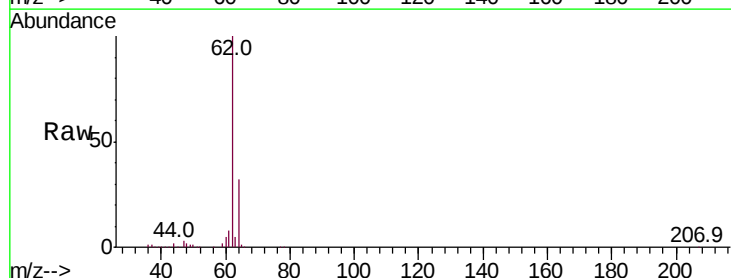
Acq: 30 Aug 2019 09:13

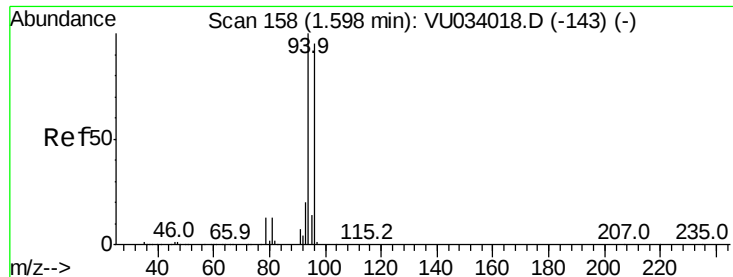
Tgt Ion: 62 Resp: 288201

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.6





#5

Bromomethane

Concen: 43.040 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 123427

Ion Ratio Lower Upper

94 100

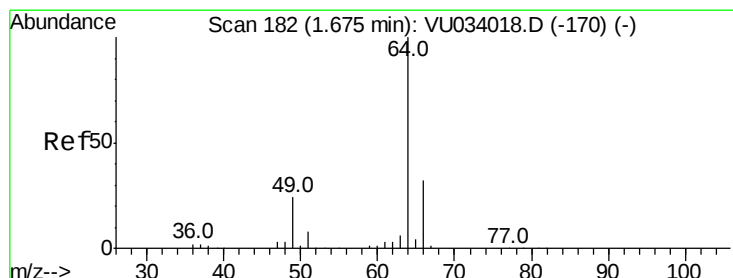
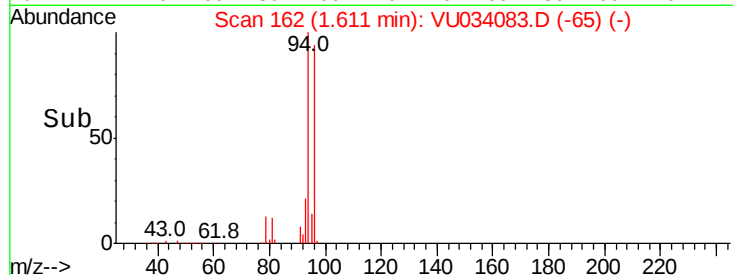
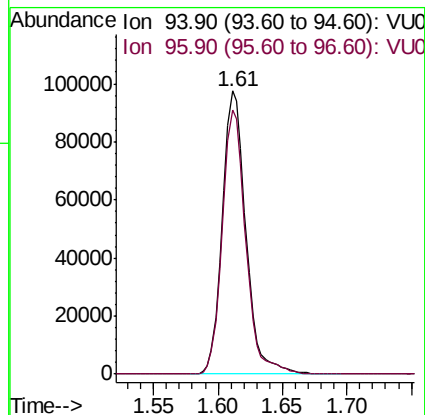
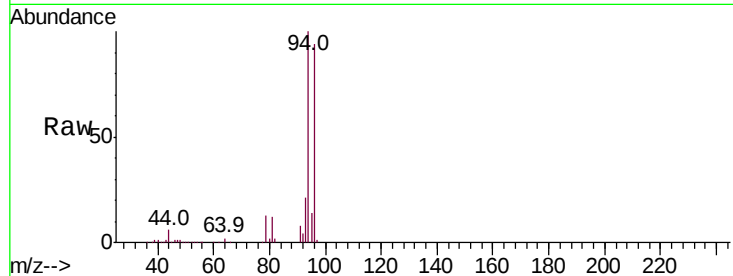
96 93.6 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 48.277 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.01 min

Lab File: VU034083.D

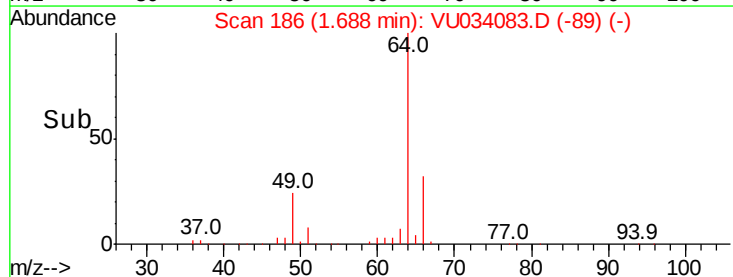
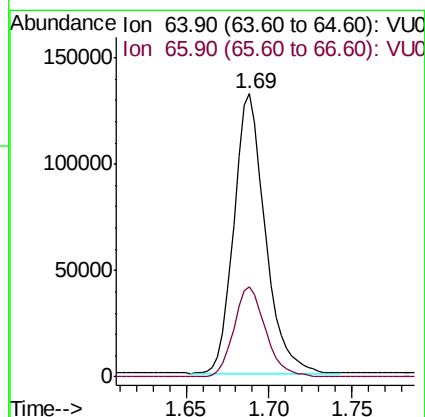
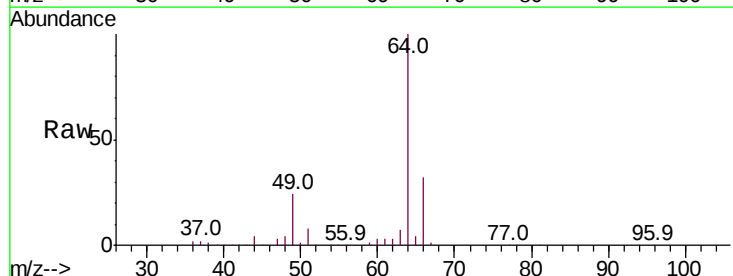
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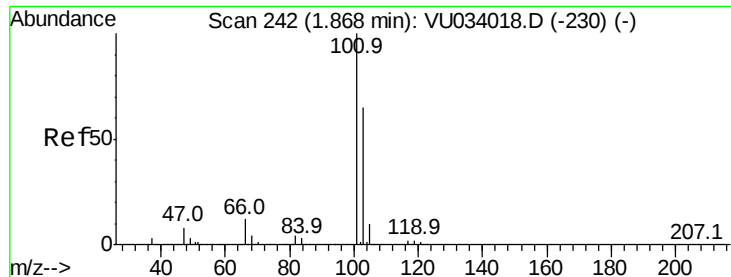
Tgt Ion: 64 Resp: 172596

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

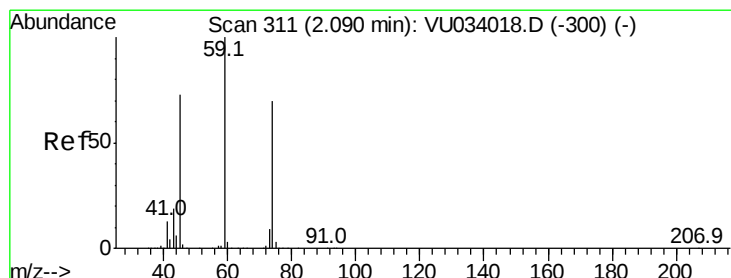
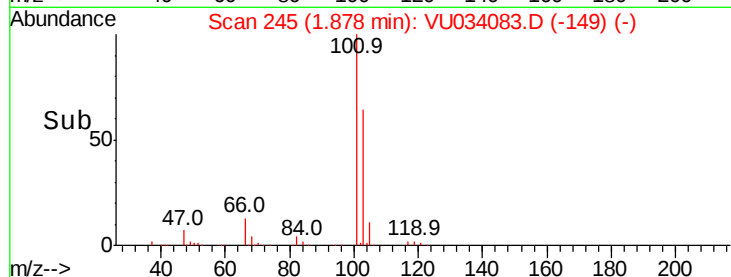
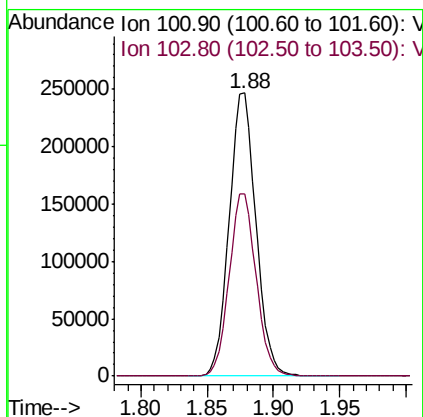
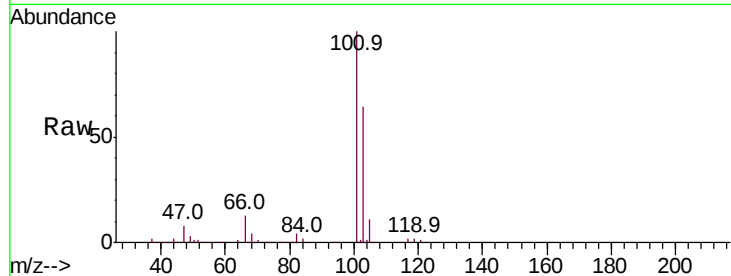
Trichlorofluoromethane
Concen: 51.153 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.01 min
Lab File: VU034083.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.1	78.1

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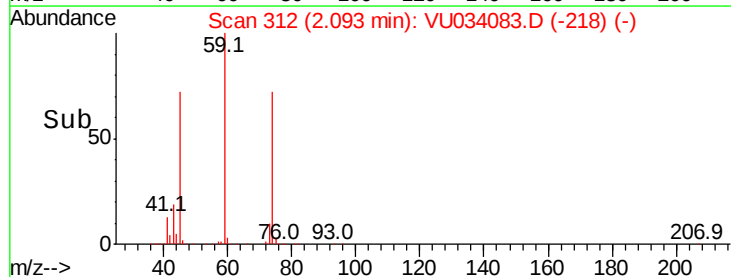
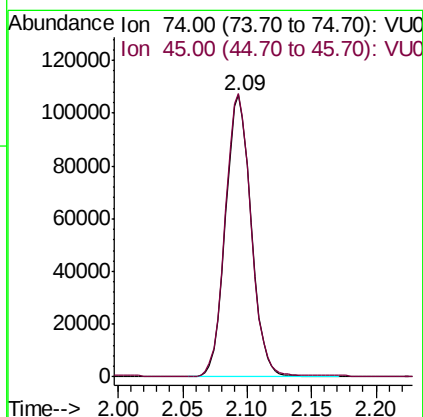
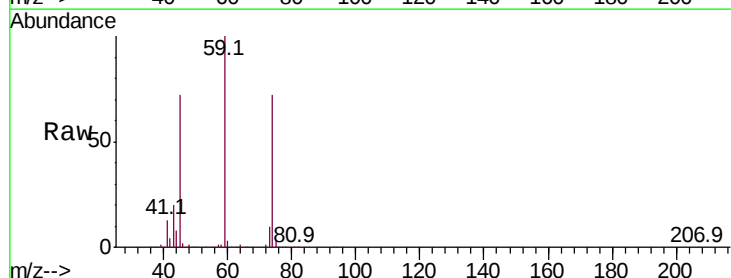
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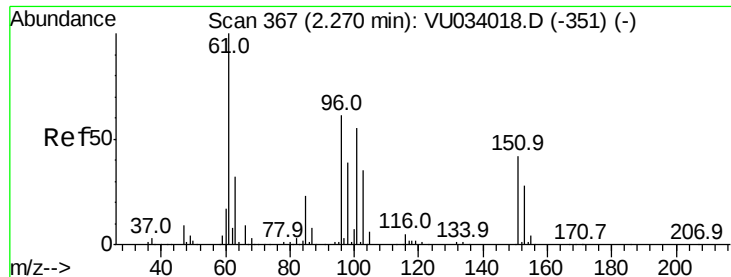


#8

Diethyl Ether
Concen: 50.816 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.227 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

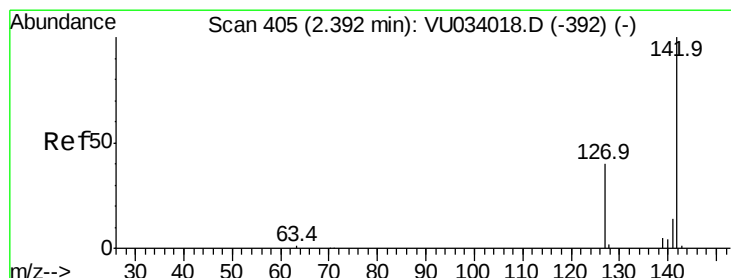
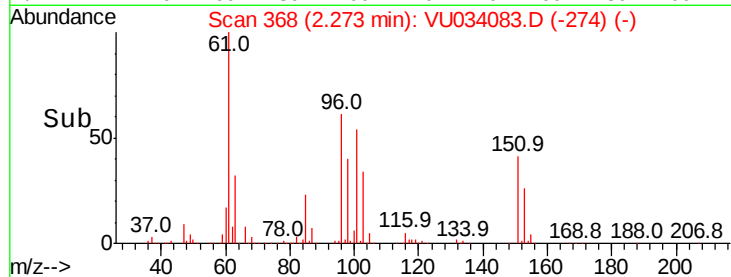
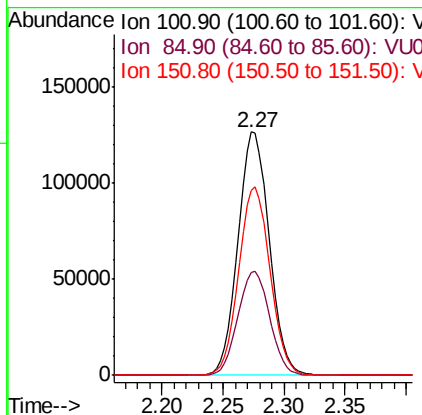
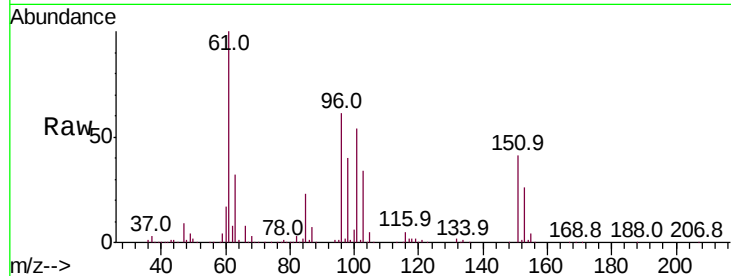
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	224190
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.2
151	77.7	61.4	92.2

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#10

Methyl Iodide

Concen: 23.497 ug/l

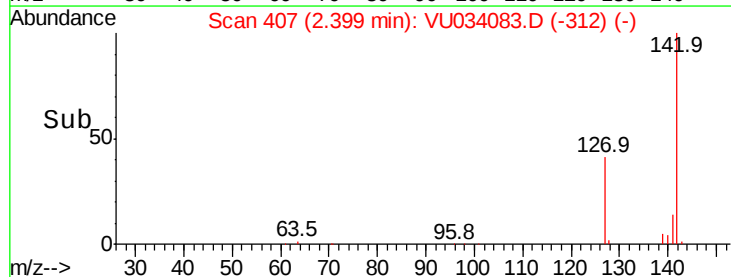
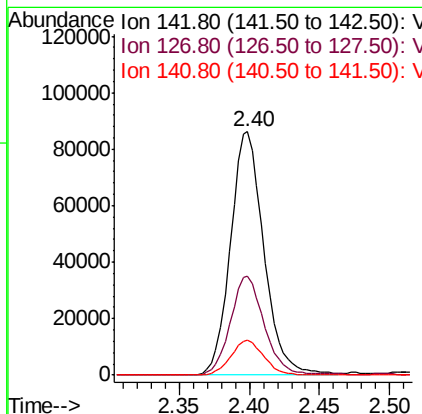
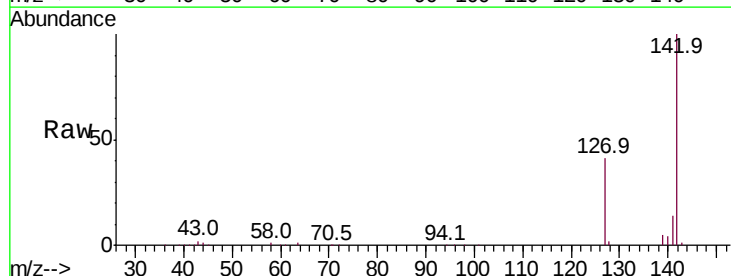
RT: 2.40 min Scan# 407

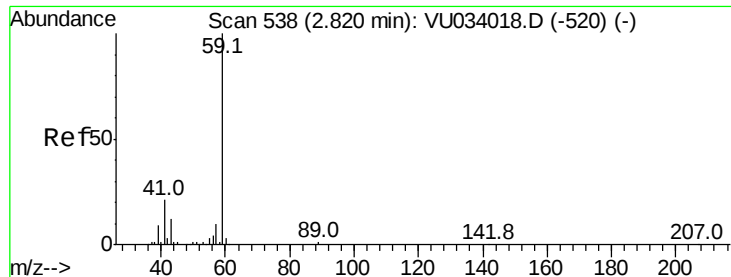
Delta R.T. 0.01 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion:	142	Resp:	143079
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.6	48.8
141	14.2	11.3	16.9





#11

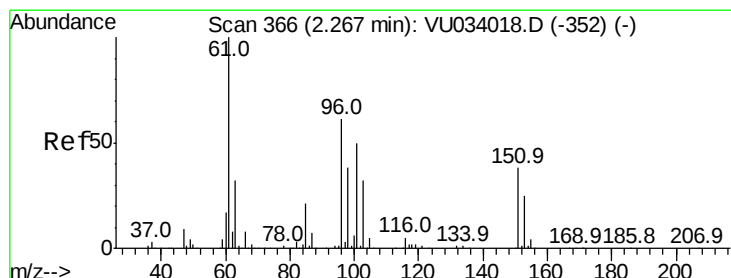
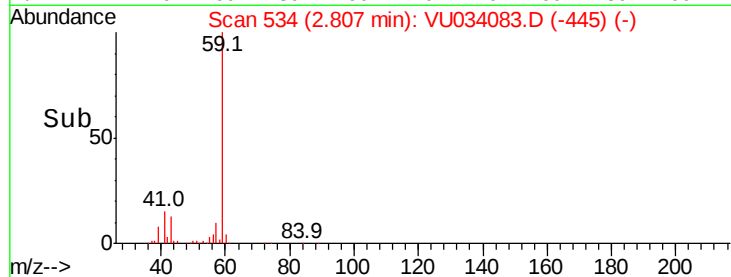
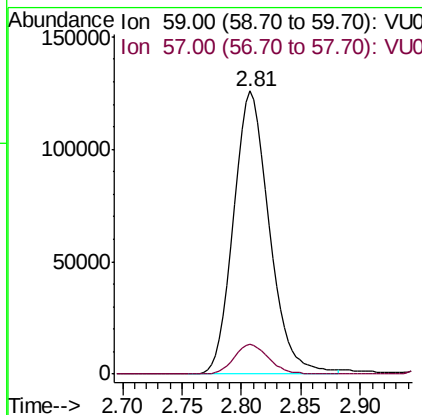
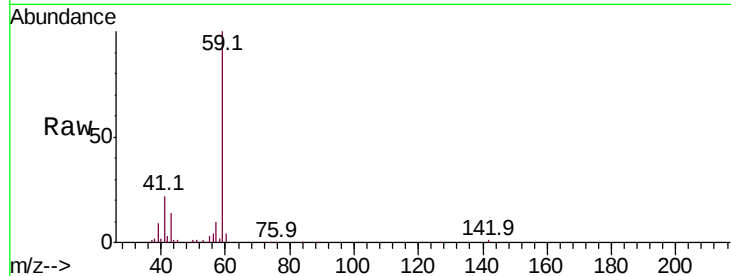
Tert butyl alcohol
 Concen: 203.871 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.0	12.0

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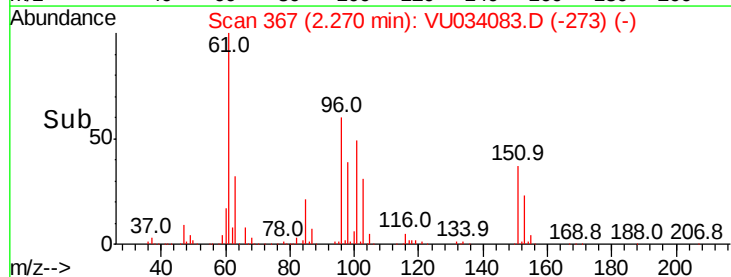
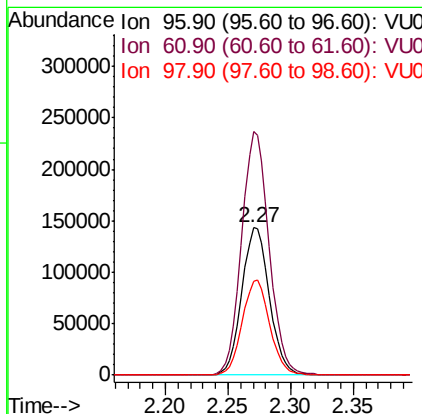
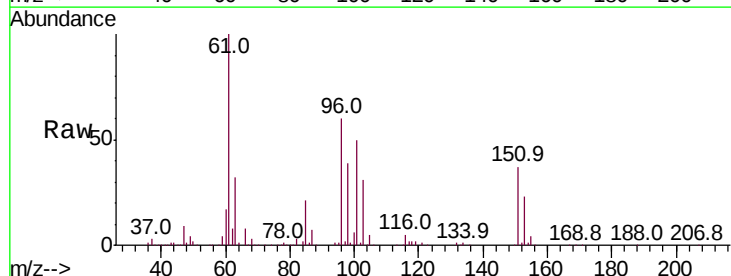
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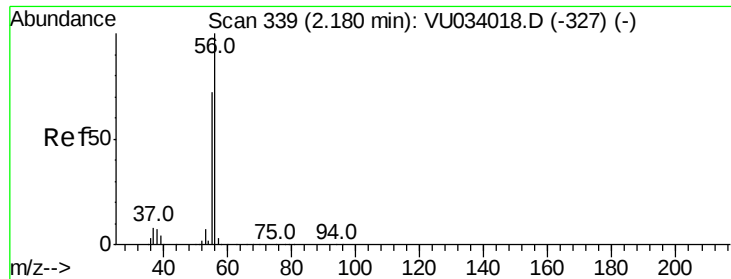


#12

1,1-Dichloroethene
 Concen: 50.126 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.8	131.3	196.9
98	64.2	50.3	75.5





#13

Acrolein

Concen: 163.514 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 88796

Ion Ratio Lower Upper

56 100

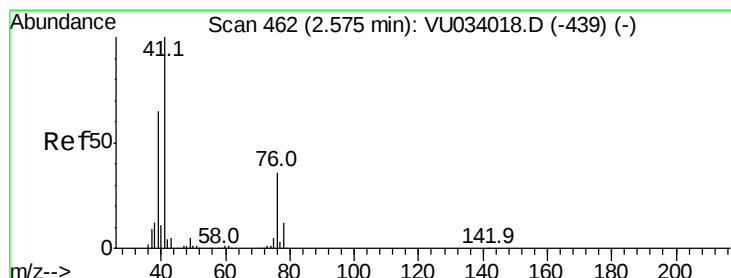
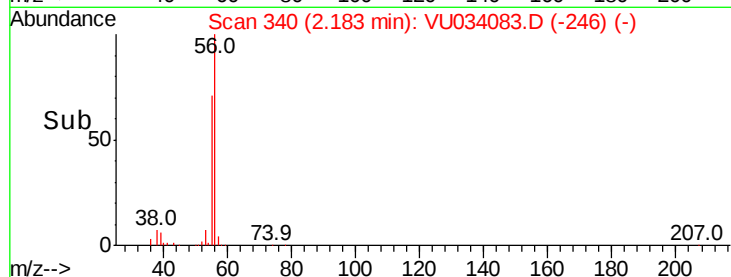
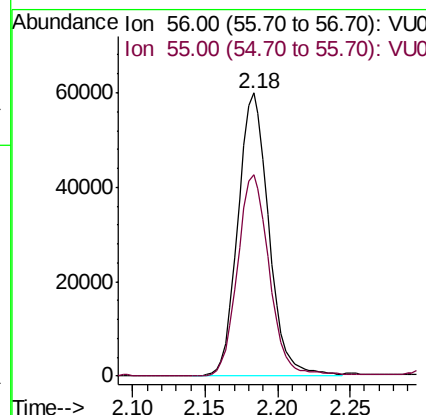
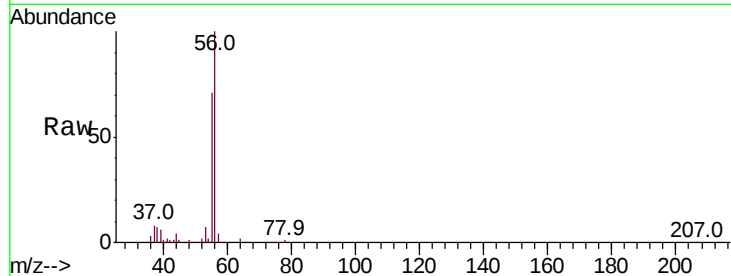
55 73.4 57.1 85.7

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#14

Allyl chloride

Concen: 43.475 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

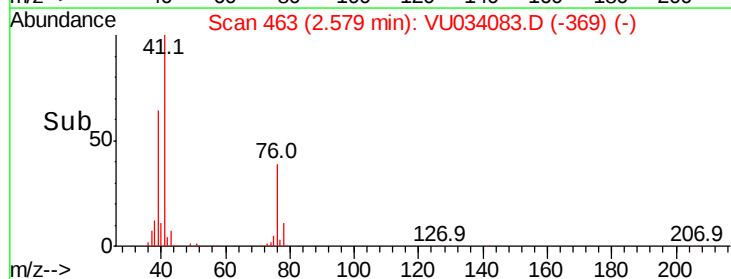
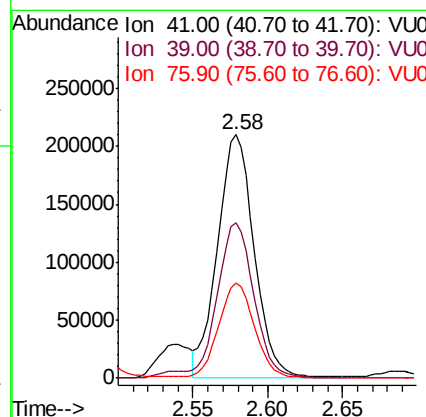
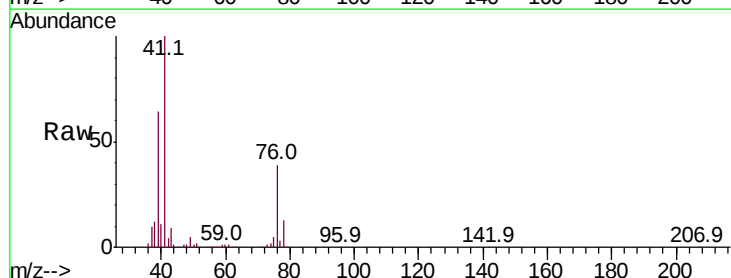
Tgt Ion: 41 Resp: 357496

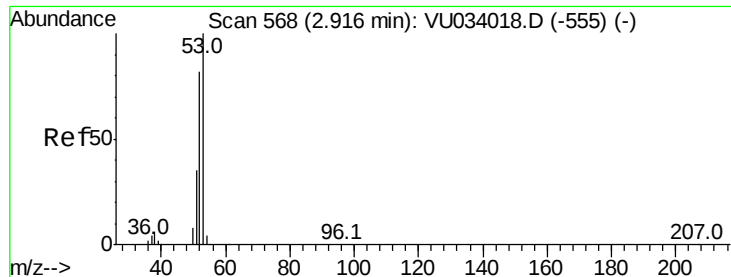
Ion Ratio Lower Upper

41 100

39 63.0 46.8 70.2

76 37.9 26.6 40.0





#15

Acrylonitrile

Concen: 248.414 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

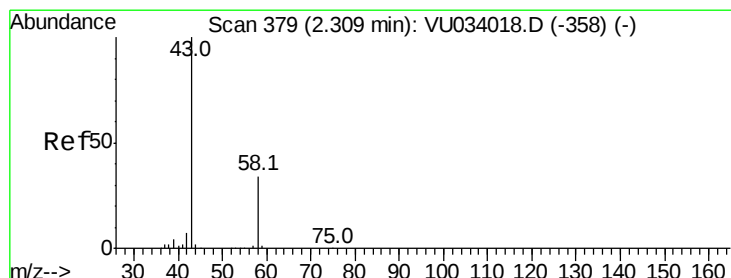
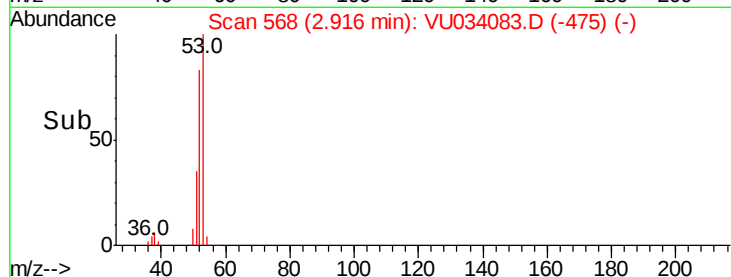
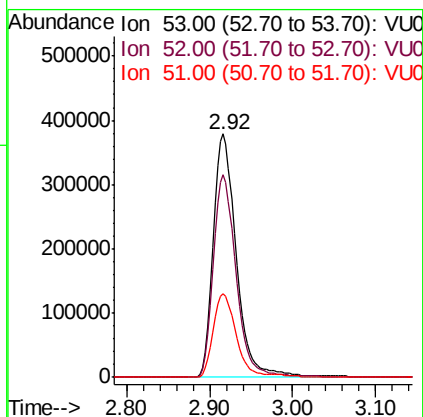
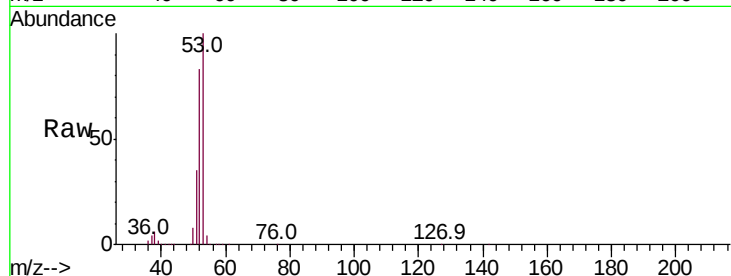
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	735857
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	35.2	27.9	41.9

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#16

Acetone

Concen: 287.023 ug/l

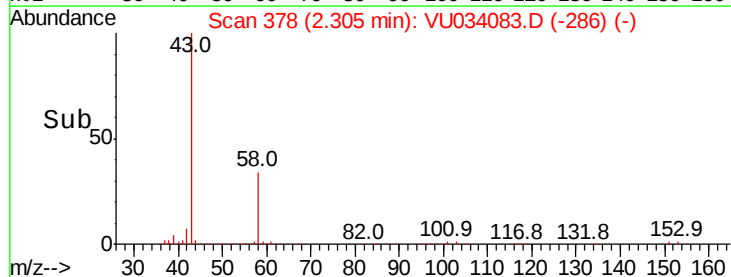
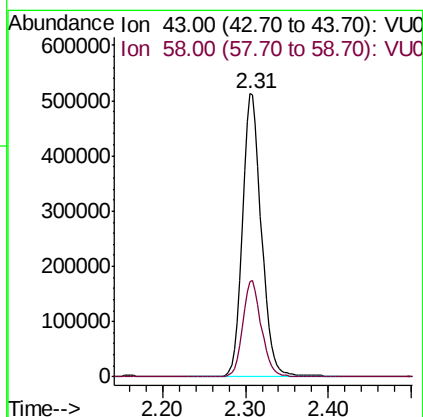
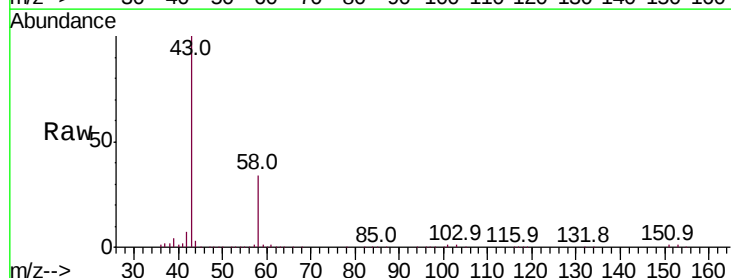
RT: 2.31 min Scan# 378

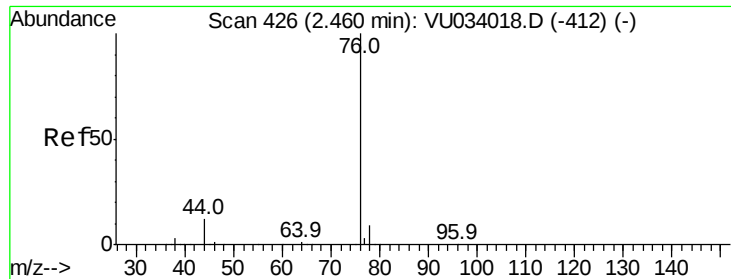
Delta R.T. -0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion	43	Resp	819823
Ion	Ratio	Lower	Upper
43	100		
58	33.7	26.8	40.2





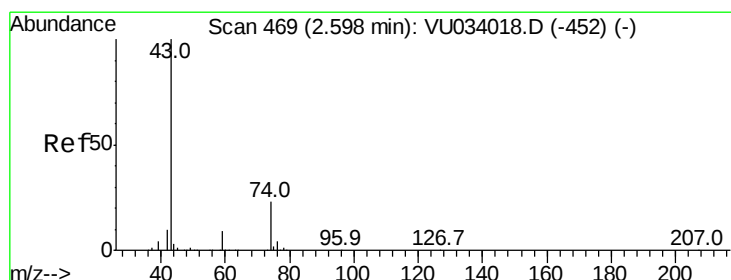
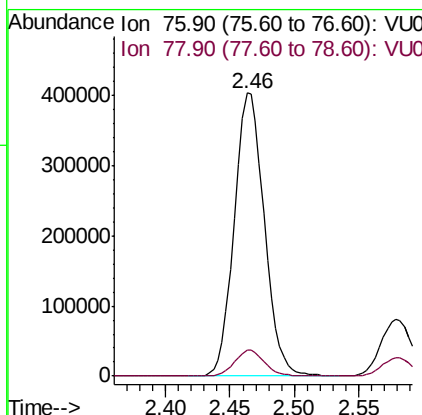
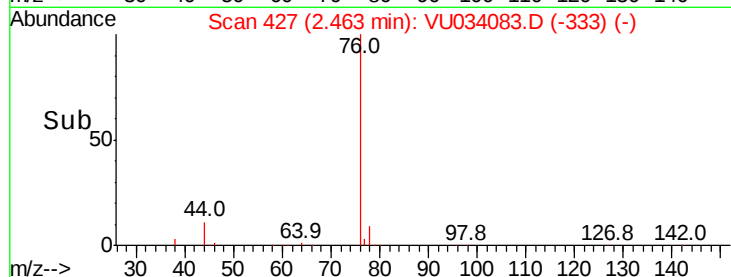
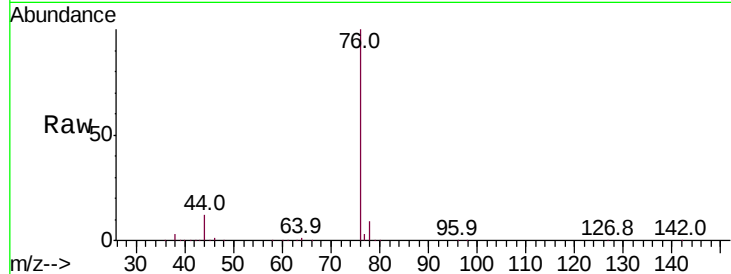
#17
Carbon Disulfide
Concen: 47.322 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 655039
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

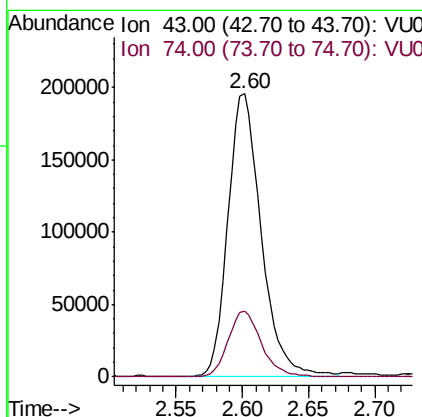
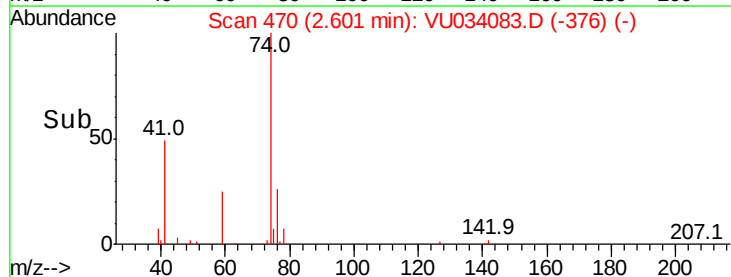
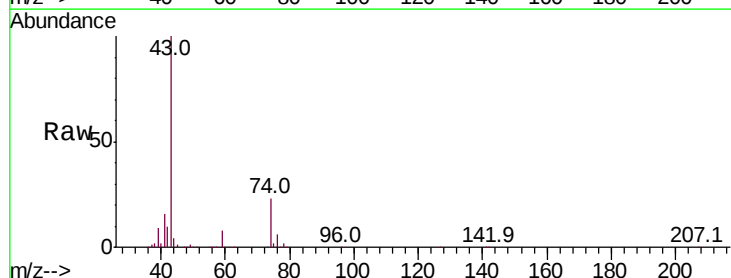
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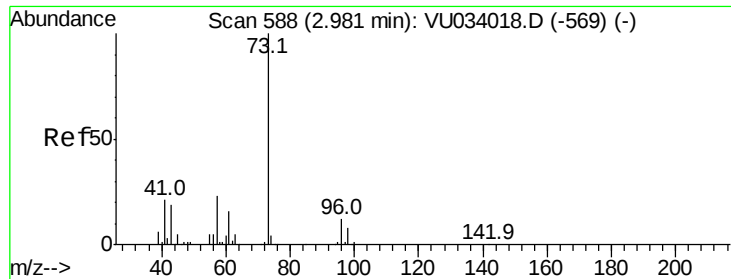
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#18
Methyl Acetate
Concen: 45.944 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 43 Resp: 339122
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8





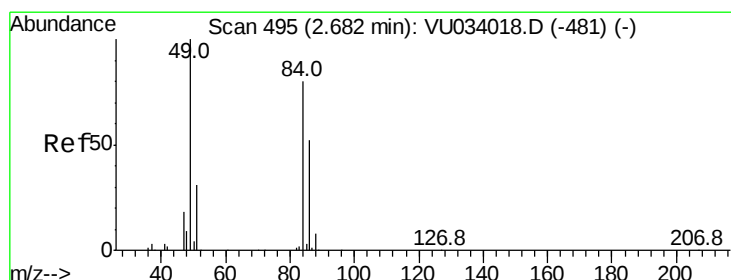
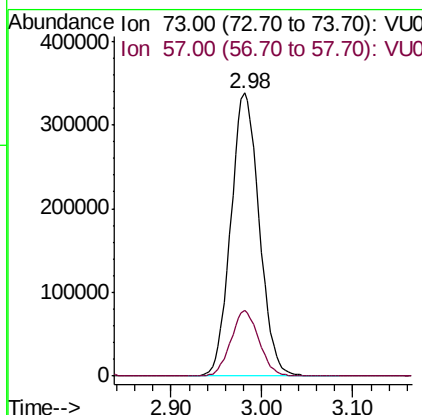
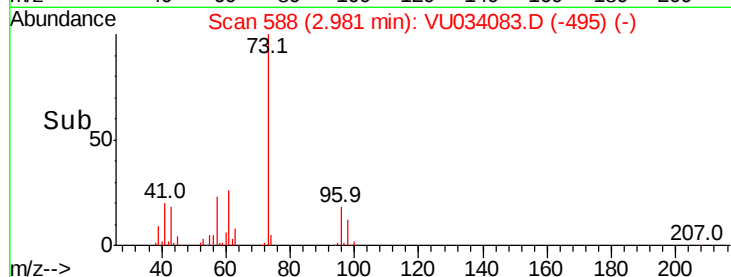
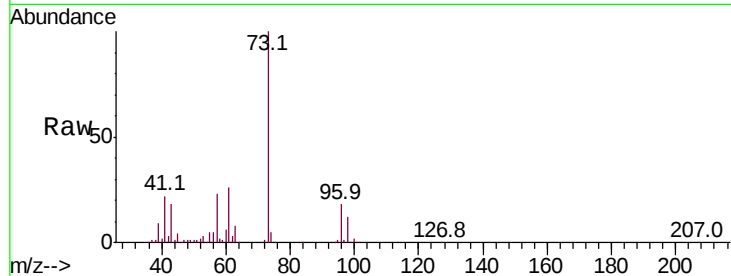
#19
Methvl tert-butvl Ether
Concen: 51.214 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 733901
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

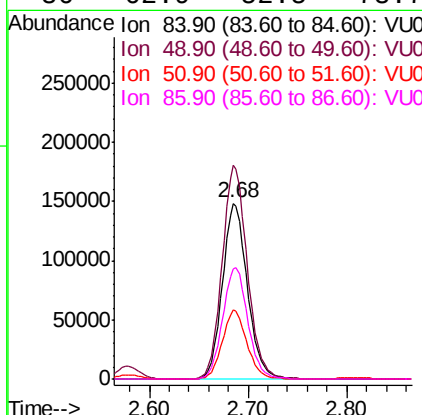
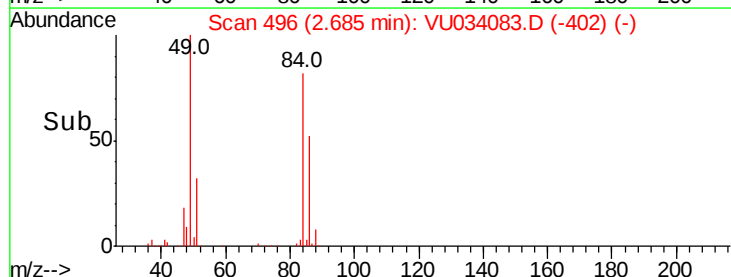
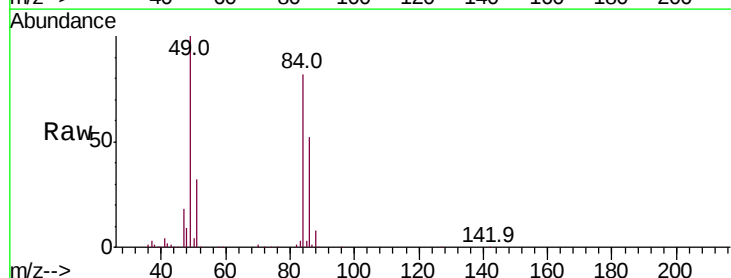
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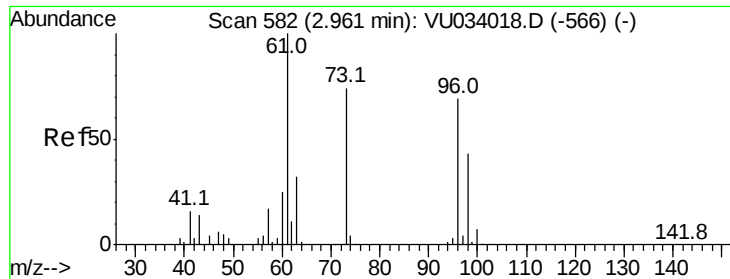
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#20
Methylene Chloride
Concen: 48.732 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 84 Resp: 263509
Ion Ratio Lower Upper
84 100
49 121.4 100.2 150.4
51 39.2 30.8 46.2
86 62.9 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.679 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 235806

Ion Ratio Lower Upper

96 100

61 145.2 115.5 173.3

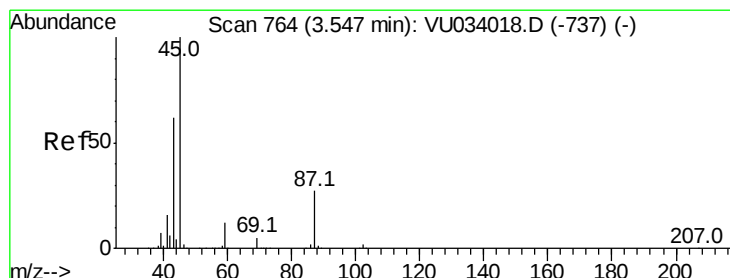
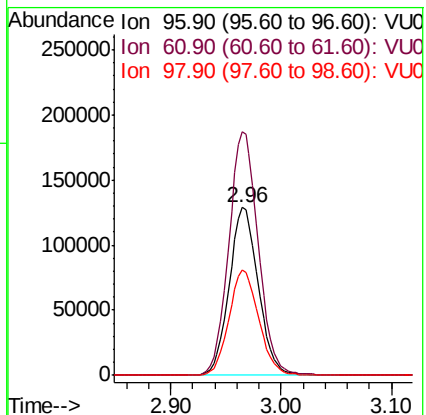
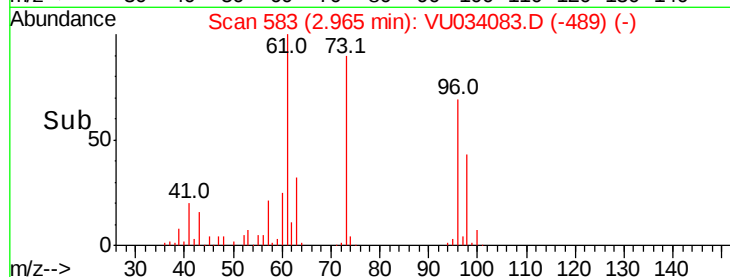
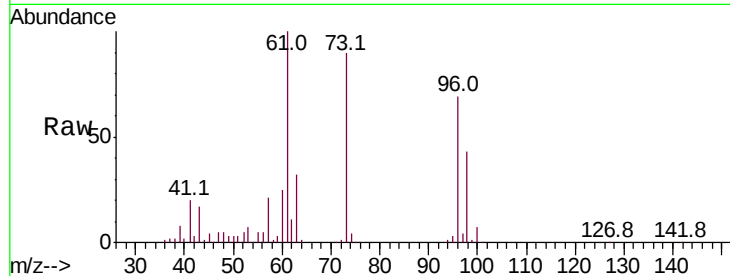
98 62.6 50.1 75.1

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#22

Diisopropyl ether

Concen: 51.604 ug/l

RT: 3.55 min Scan# 765

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion: 45 Resp: 777578

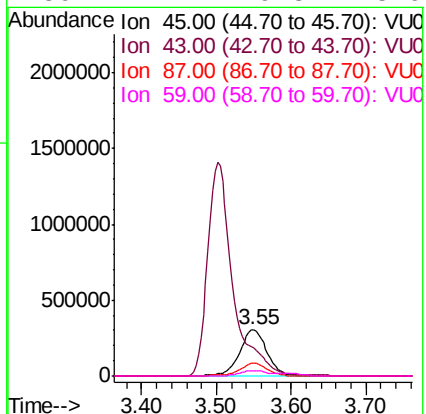
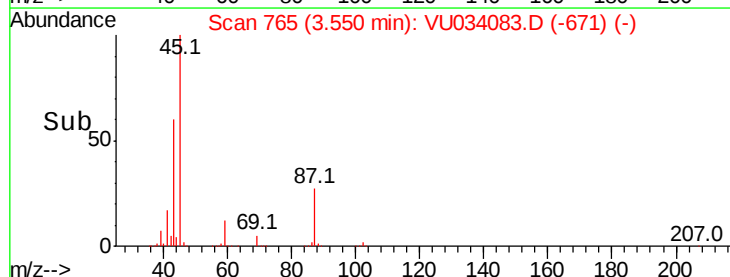
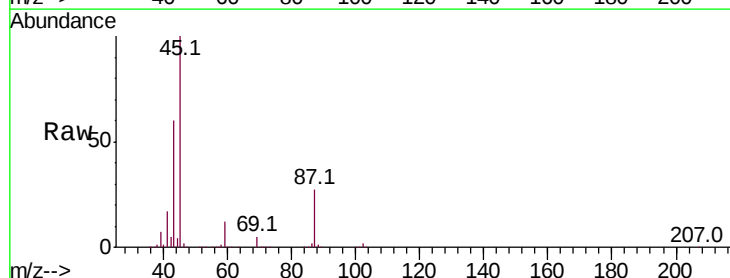
Ion Ratio Lower Upper

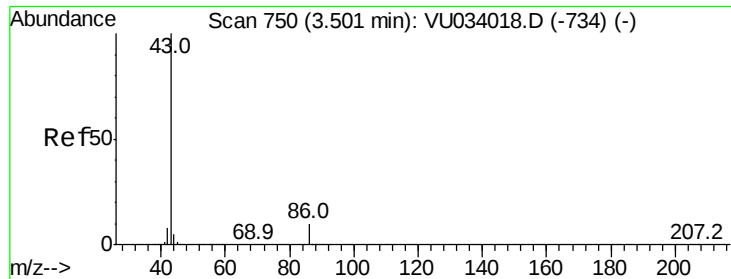
45 100

43 59.2 49.7 74.5

87 27.2 21.8 32.8

59 12.2 9.3 13.9





#23

Vinyl Acetate

Concen: 257.009 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3326716

Ion Ratio Lower Upper

43 100

86 10.1

8.3

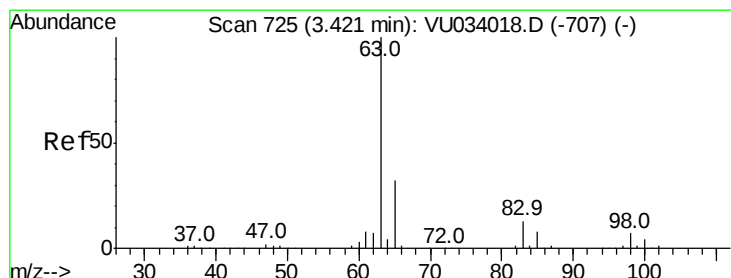
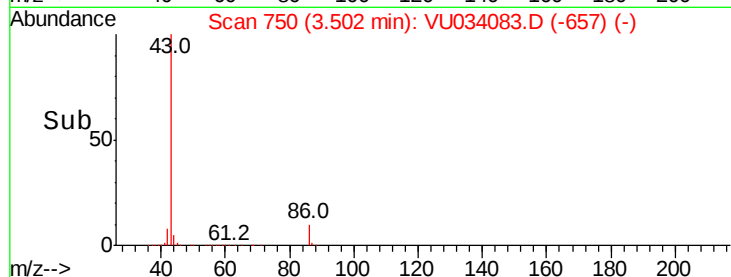
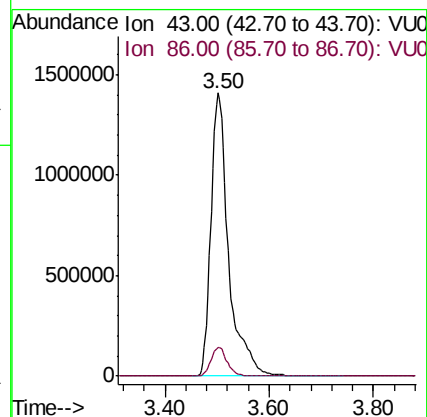
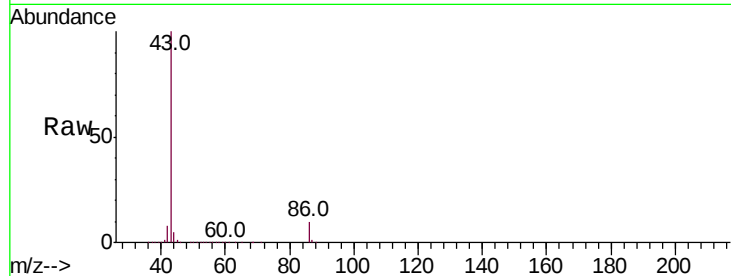
12.5

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#24

1,1-Dichloroethane

Concen: 50.398 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion: 63 Resp: 448341

Ion Ratio Lower Upper

63 100

98 6.5

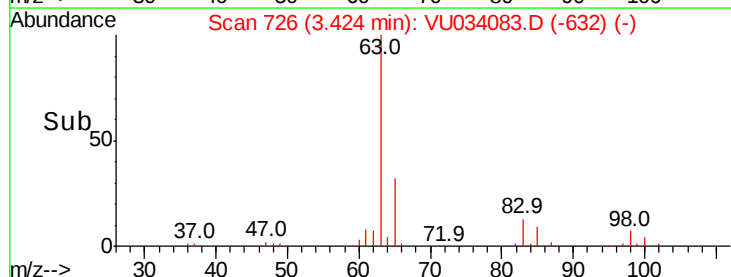
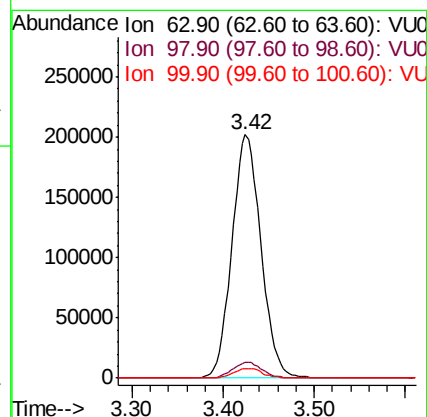
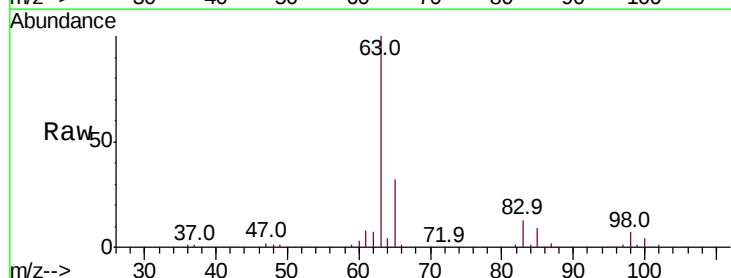
3.3

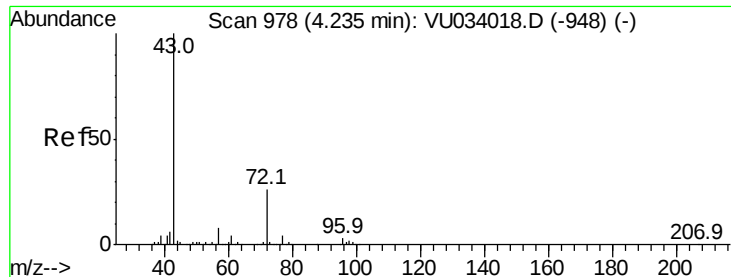
9.8

100 4.0

2.0

6.0





#25

2-Butanone

Concen: 268.489 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1066937

Ion Ratio Lower Upper

43 100

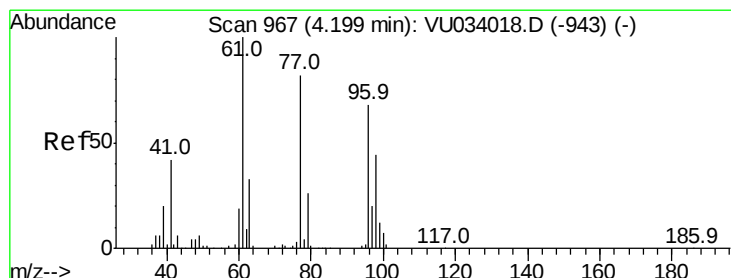
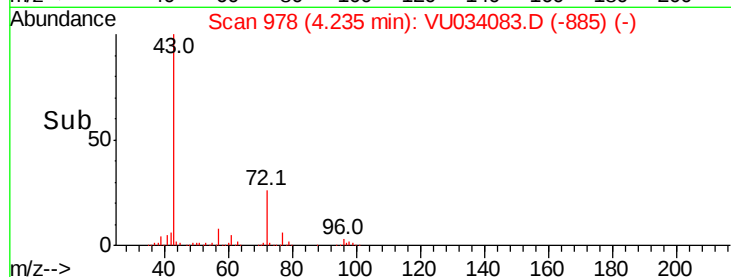
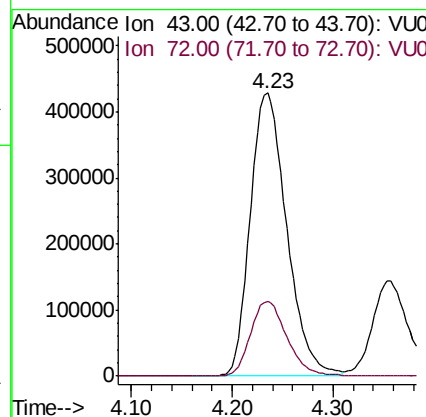
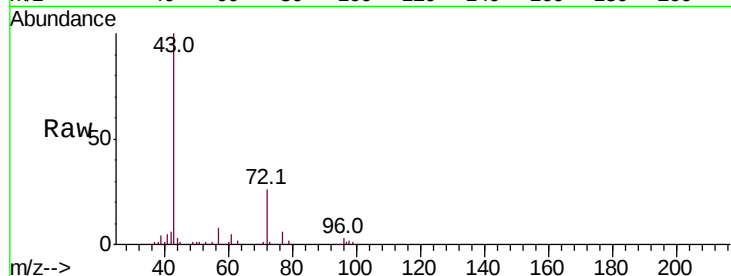
72 26.5 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.175 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034083.D

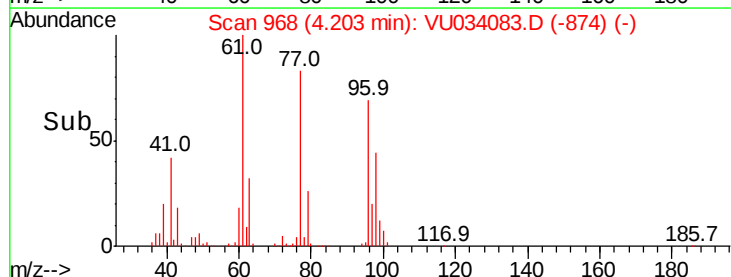
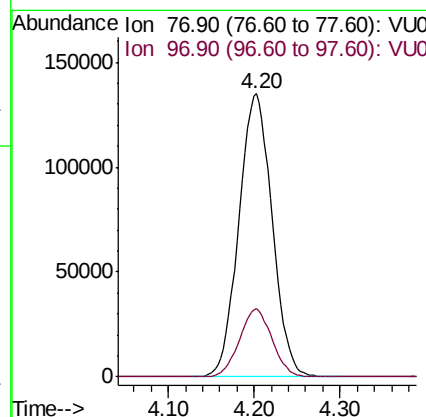
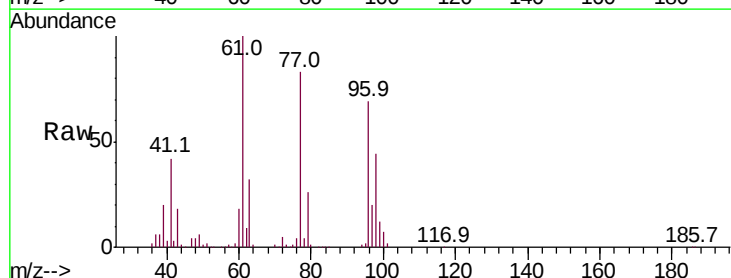
Acq: 30 Aug 2019 09:13

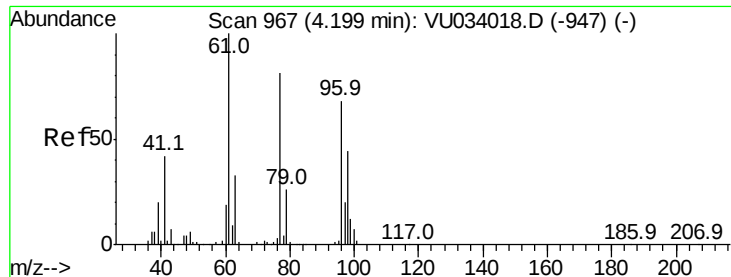
Tgt Ion: 77 Resp: 363200

Ion Ratio Lower Upper

77 100

97 23.5 11.6 34.7





#27

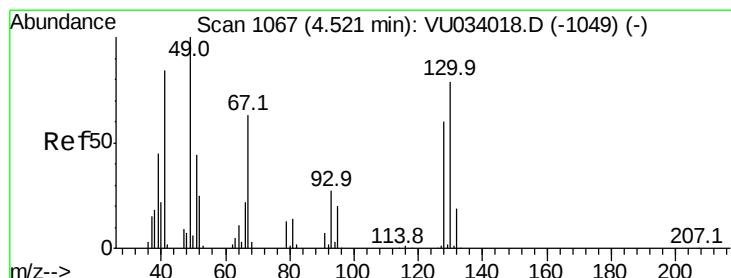
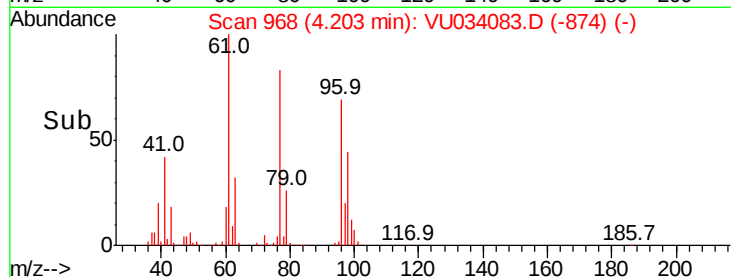
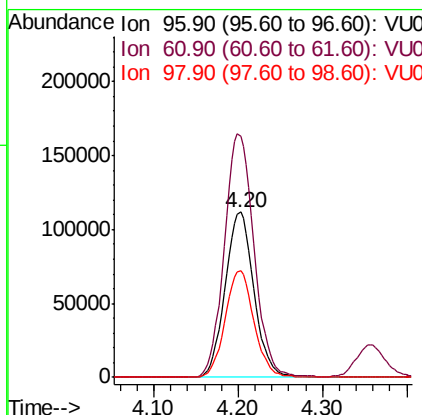
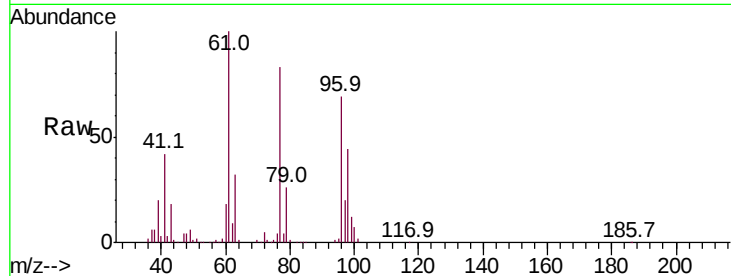
cis-1,2-Dichloroethene
 Concen: 49.748 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	265042		
61	151.6	0.0	303.0	
98	64.7	0.0	129.2	

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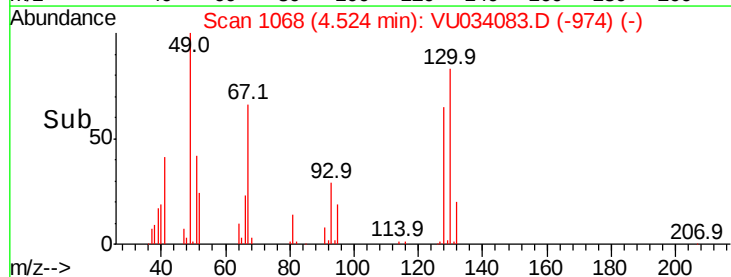
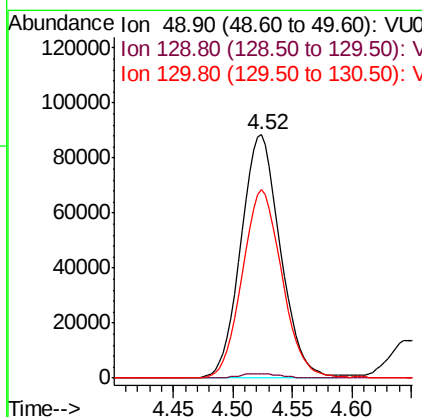
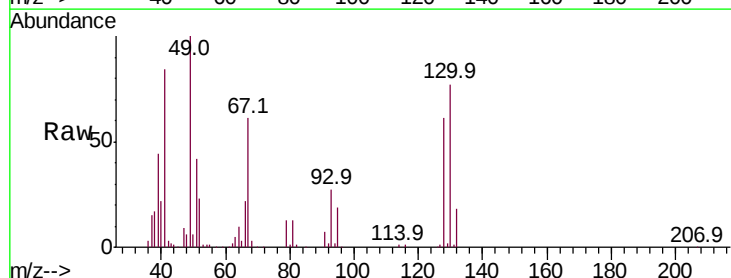
MMDadoda
 8/31/2019 11:24:30 AM

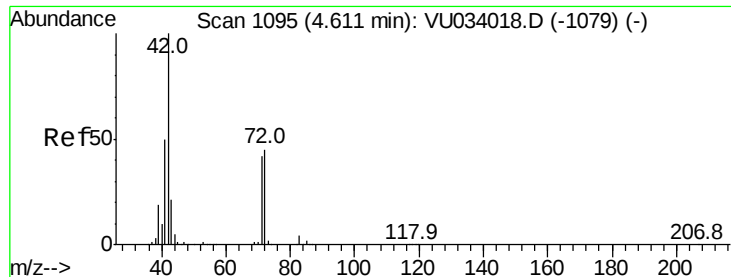


#28

Bromochloromethane
 Concen: 46.490 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	203762		
129	1.8	0.0	3.6	
130	77.7	62.8	94.2	





#29

Tetrahydrofuran

Concen: 251.045 ug/l

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

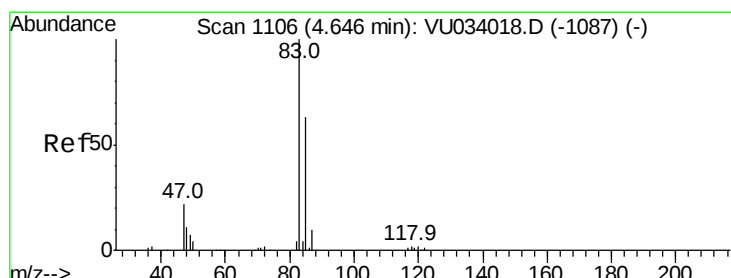
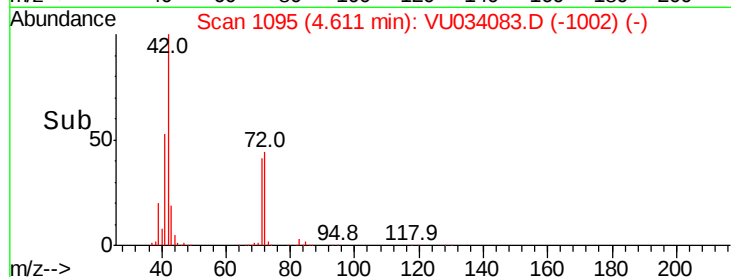
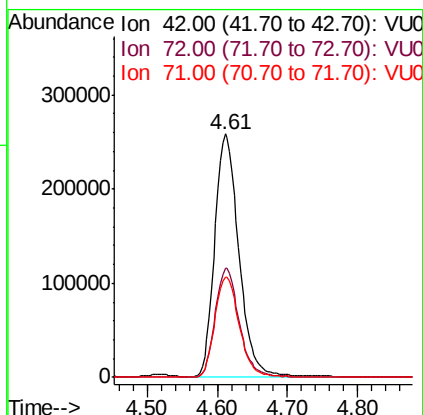
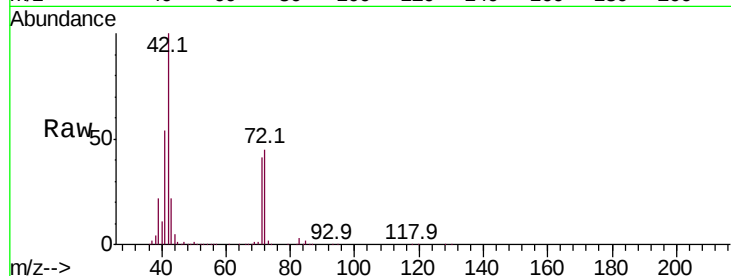
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	615230
Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.8	53.6
71	41.7	34.0	51.0

Manual Integrations
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#30

Chloroform

Concen: 49.049 ug/l

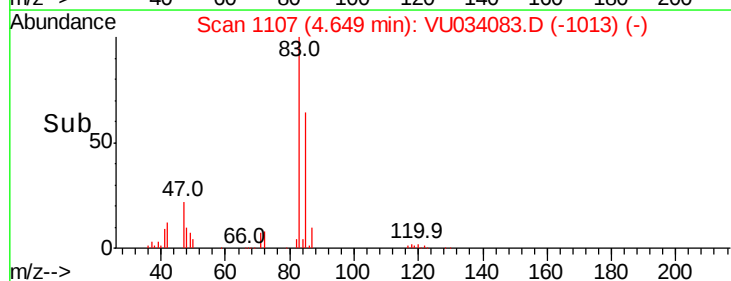
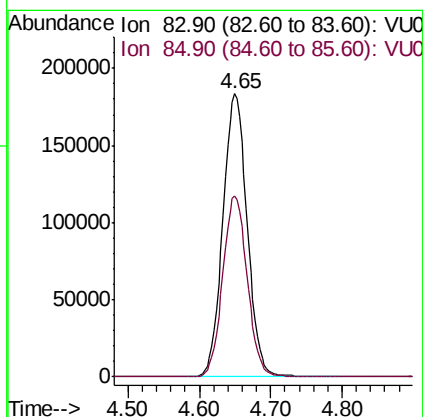
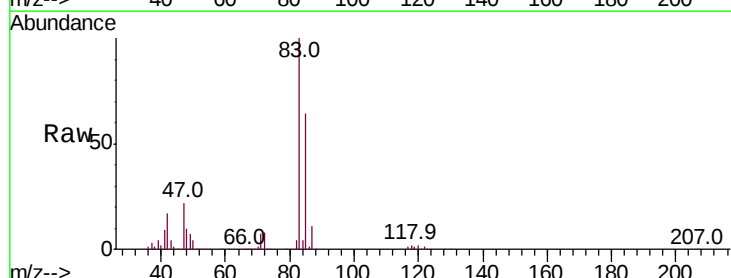
RT: 4.65 min Scan# 1107

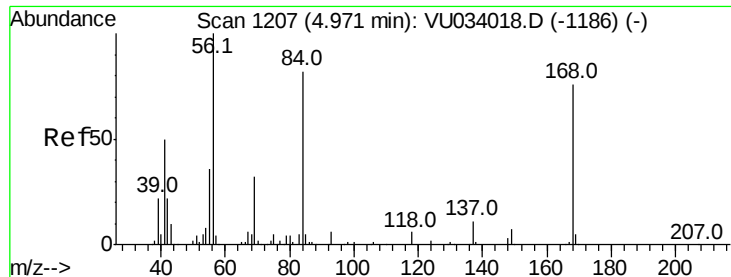
Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion:	83	Resp:	435350
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.7	76.1





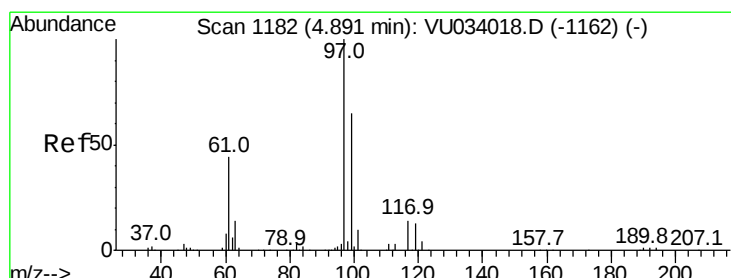
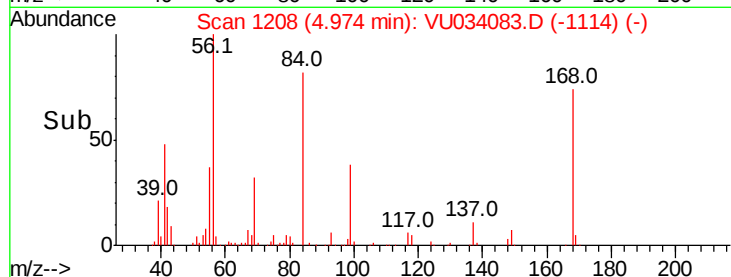
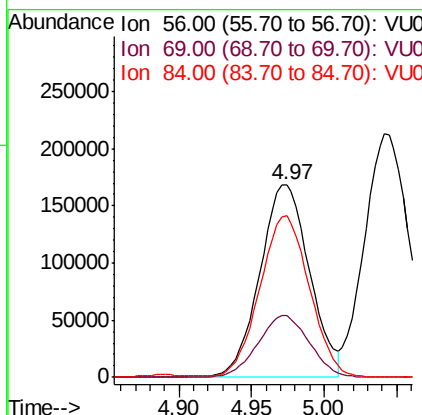
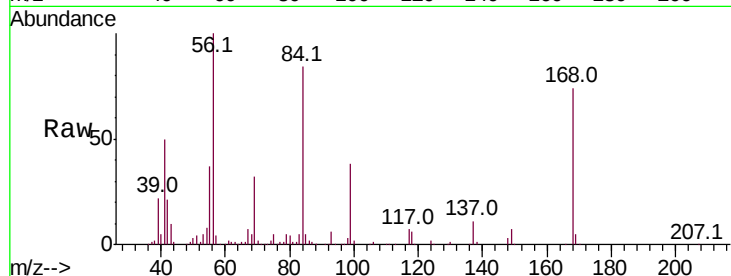
#31
Cyclohexane
Concen: 48.016 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	25.4	38.0
84	82.7	65.8	98.8

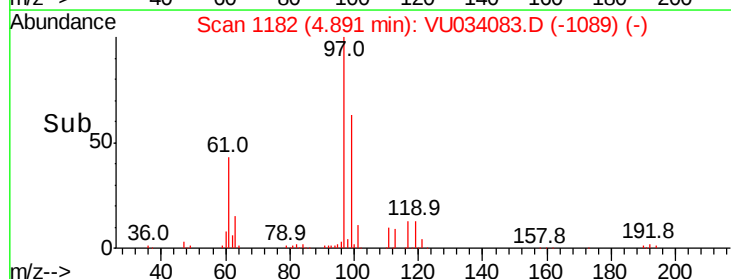
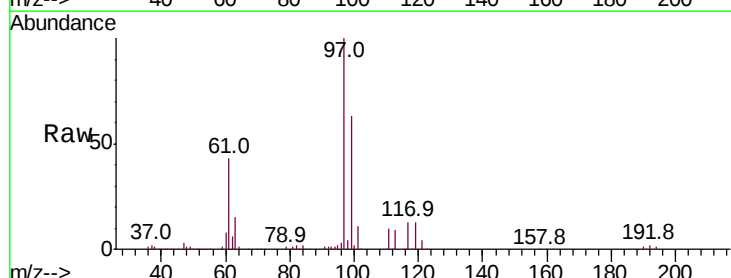
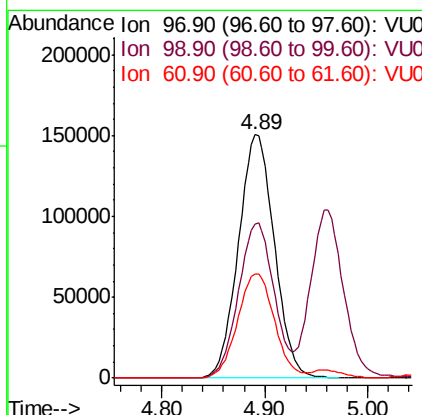
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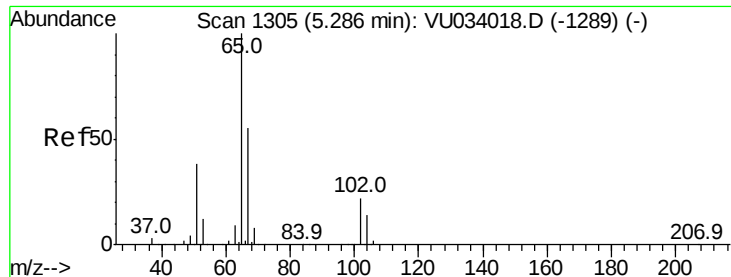
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#32
1,1,1-Trichloroethane
Concen: 50.223 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.6
61	43.9	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 46.707 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 261463

Ion Ratio Lower Upper

65 100

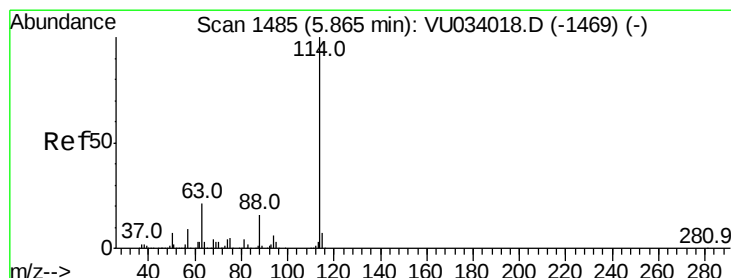
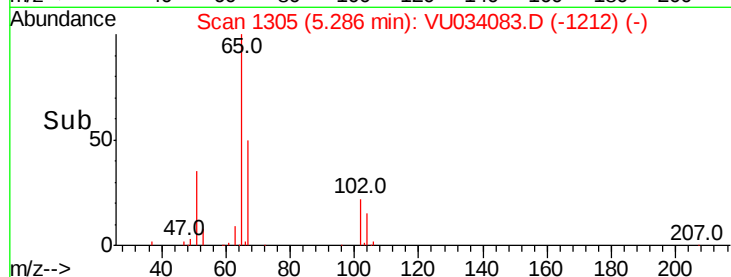
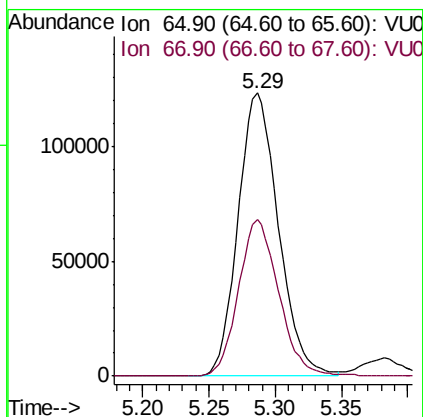
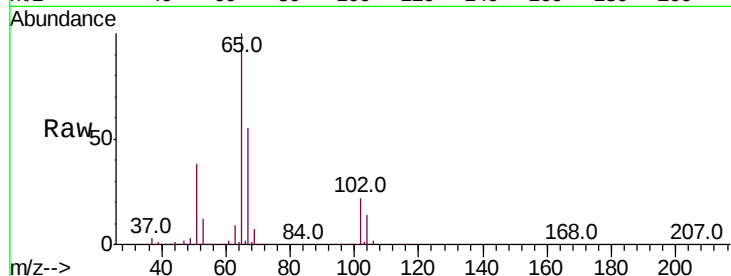
67 55.1 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

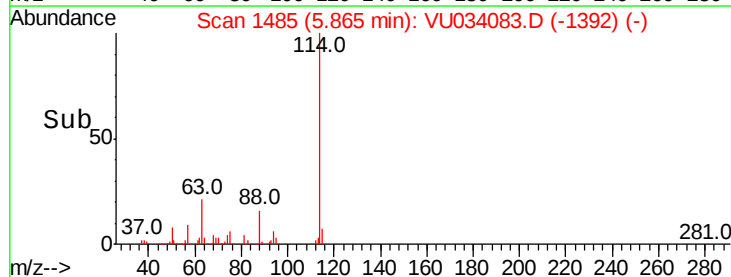
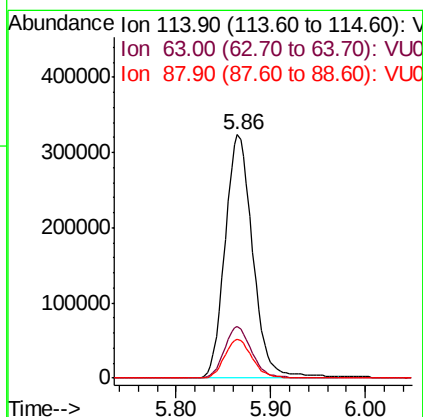
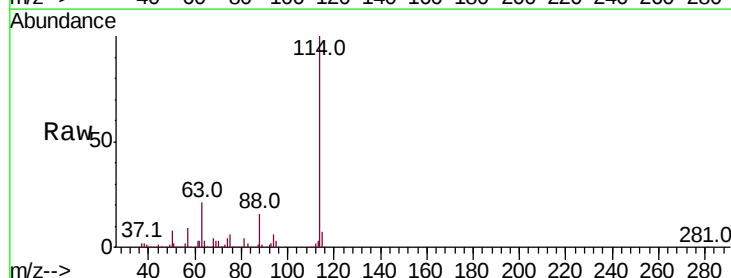
Tgt Ion: 114 Resp: 659838

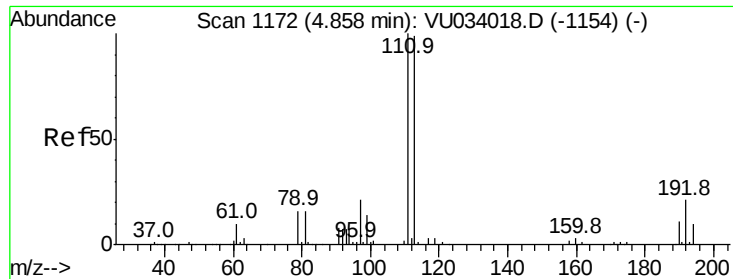
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.0

88 15.7 0.0 32.0





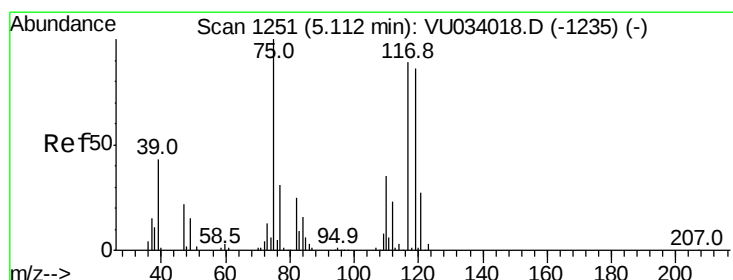
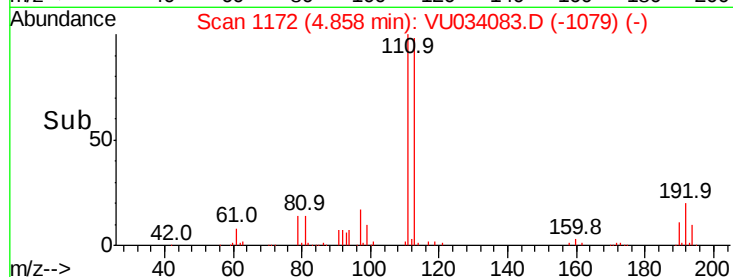
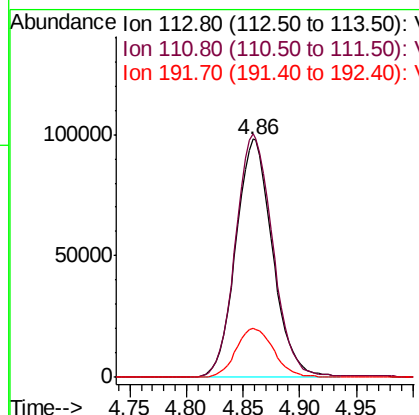
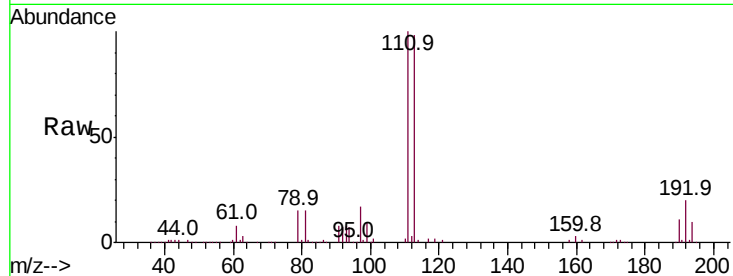
#35
 Dibromofluoromethane
 Concen: 48.448 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221725		
111	103.4	81.7	122.5	
192	21.2	17.1	25.7	

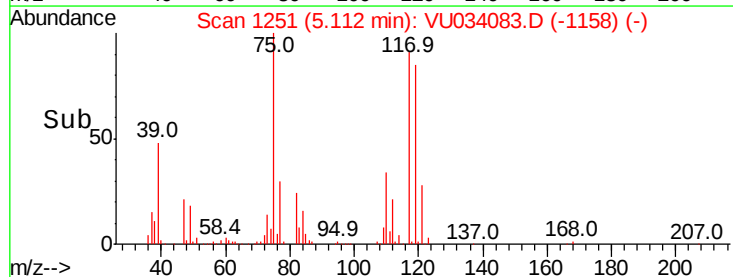
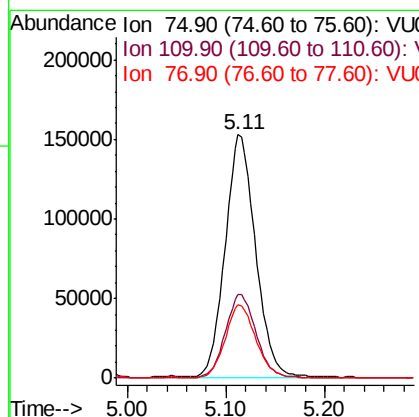
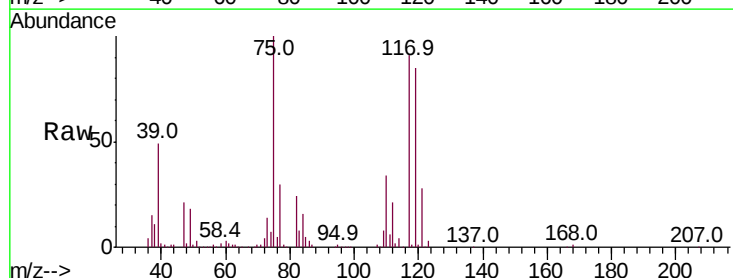
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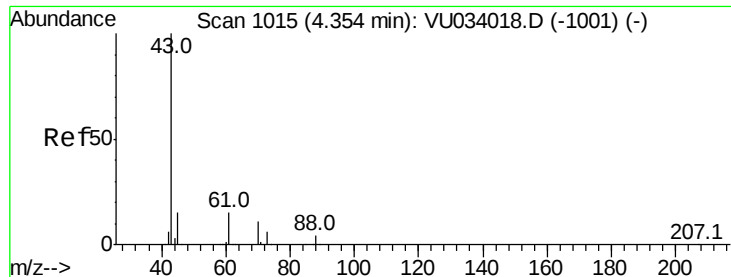
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#36
 1,1-Dichloropropene
 Concen: 52.394 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	327005		
110	35.1	17.8	53.5	
77	30.4	25.0	37.4	





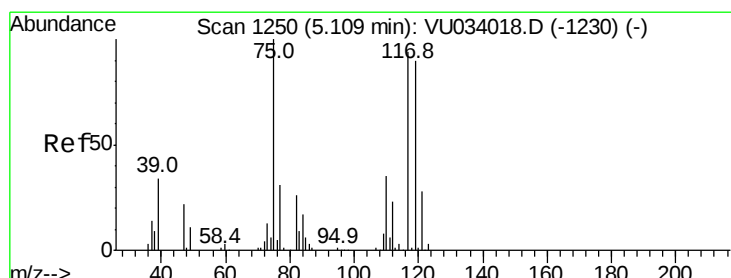
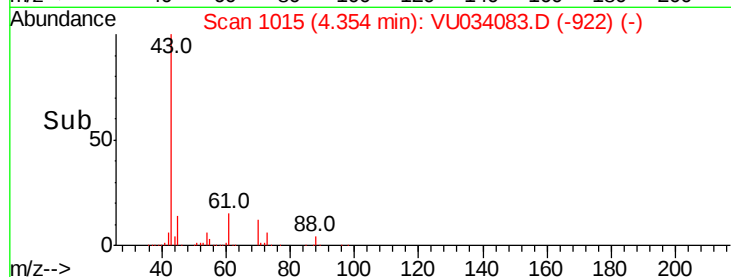
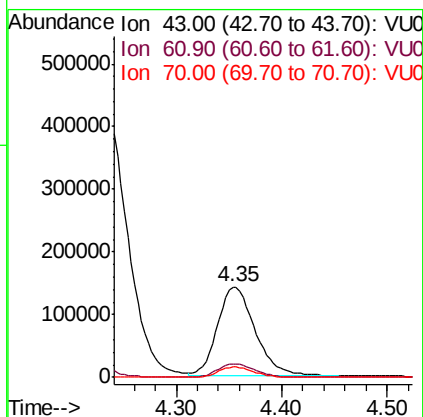
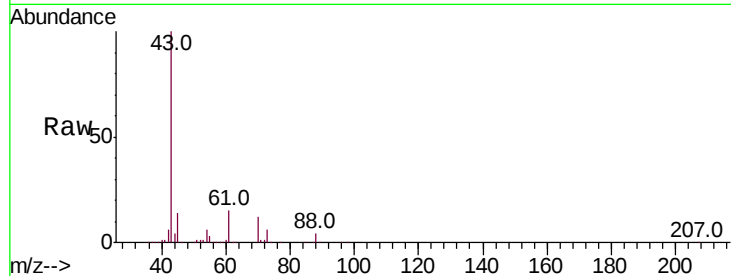
#37
Ethyl Acetate
Concen: 50.563 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.5	17.3
70	11.1	8.6	12.8

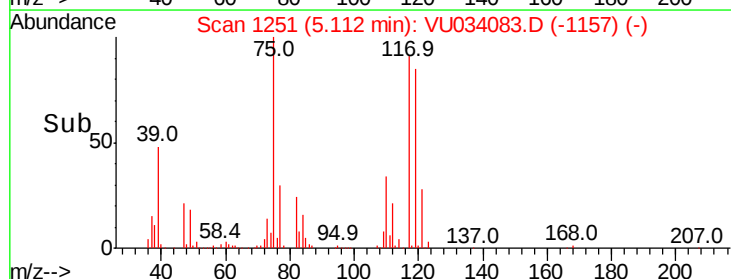
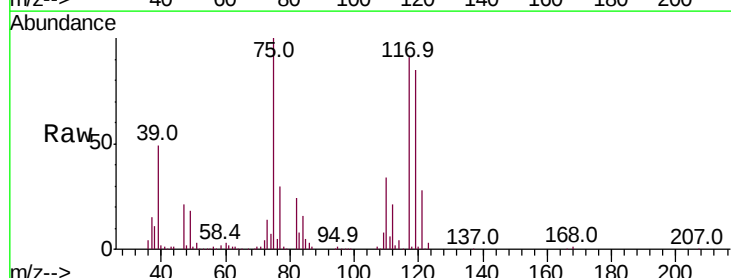
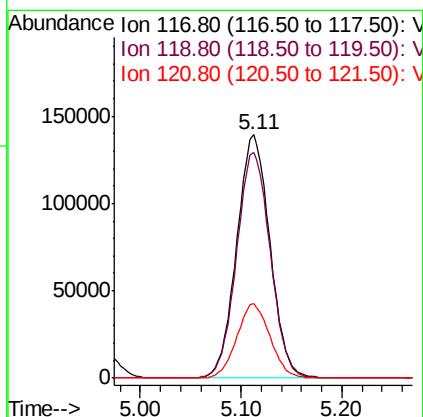
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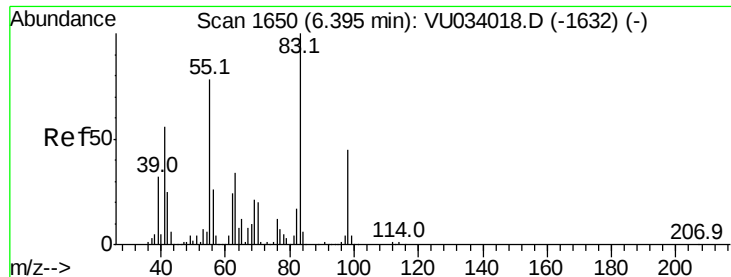
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#38
Carbon Tetrachloride
Concen: 52.669 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	77.0	115.4
121	30.8	23.9	35.9





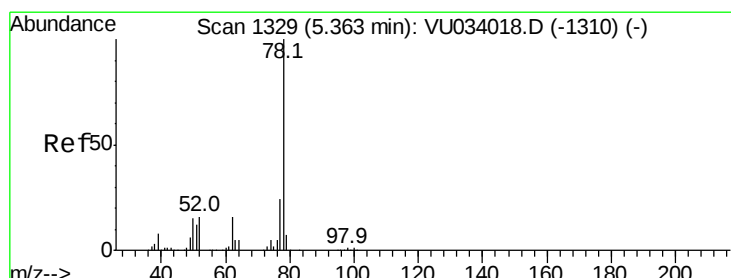
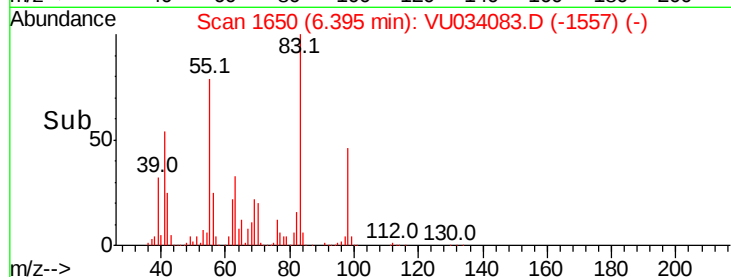
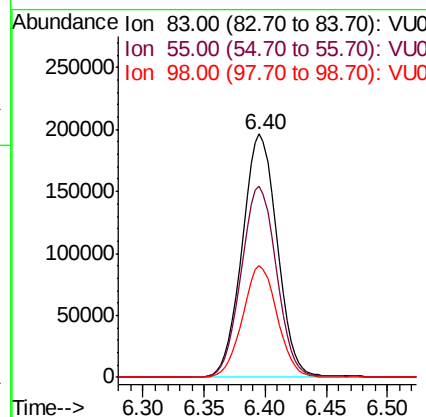
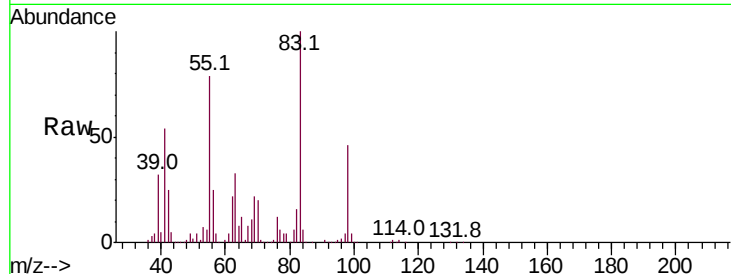
#39
Methvlcvclohexane
Concen: 52.982 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.3	93.5
98	45.7	36.2	54.2

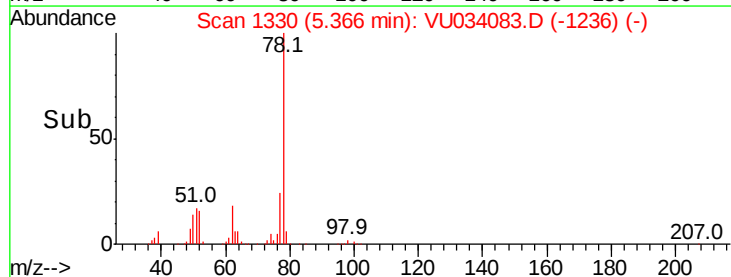
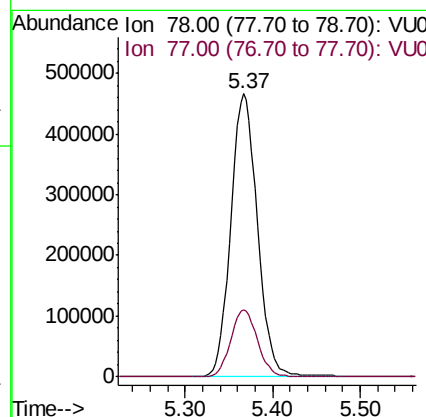
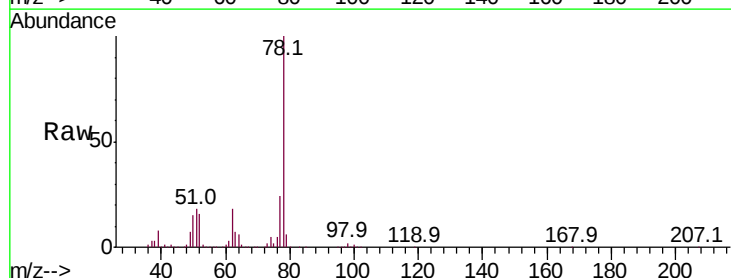
Manual Integrations
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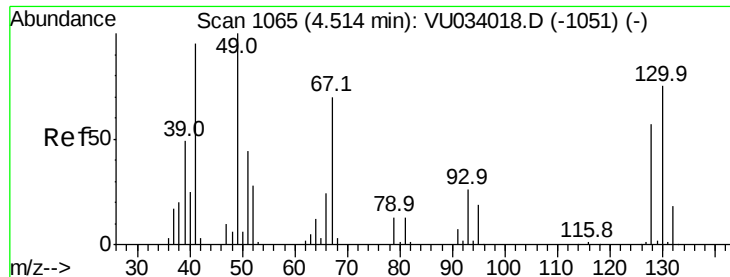
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#40
Benzene
Concen: 52.341 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





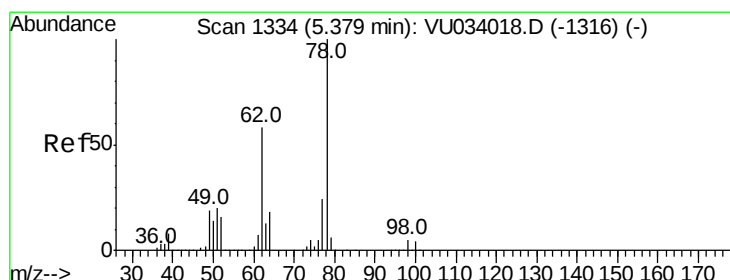
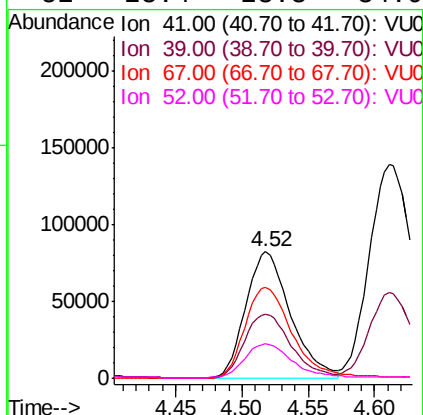
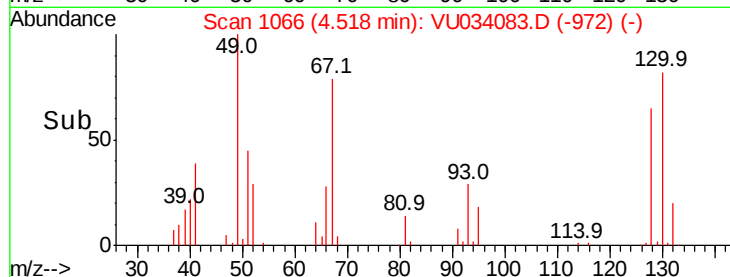
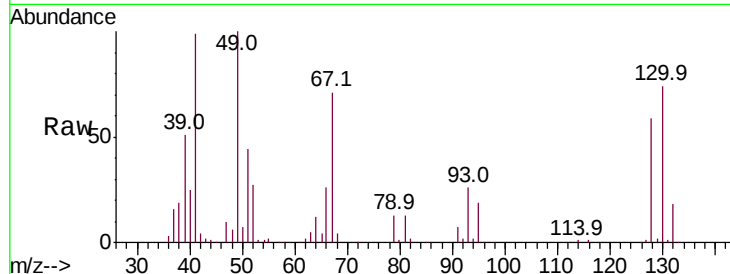
#41
Methacrylonitrile
Concen: 53.639 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	42.1	63.1	
67	77.4	61.0	91.4	
52	28.4	23.3	34.9	

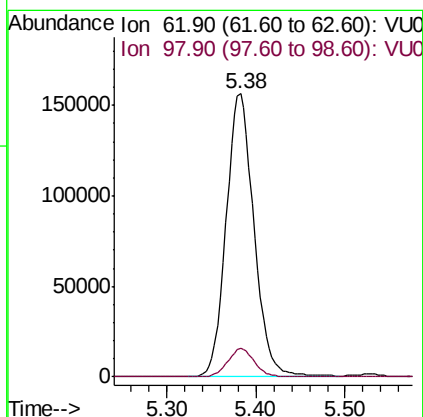
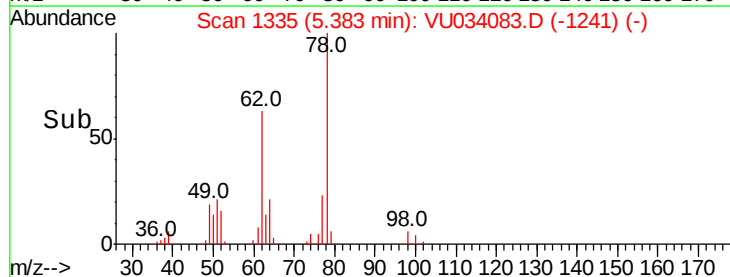
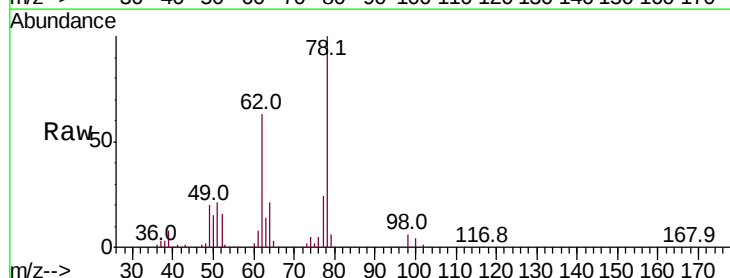
Manual Integrations
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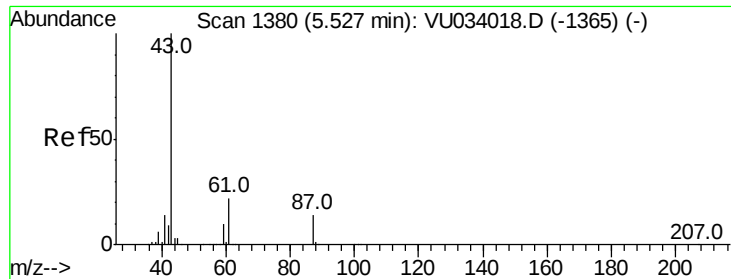
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.843 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	18.2	





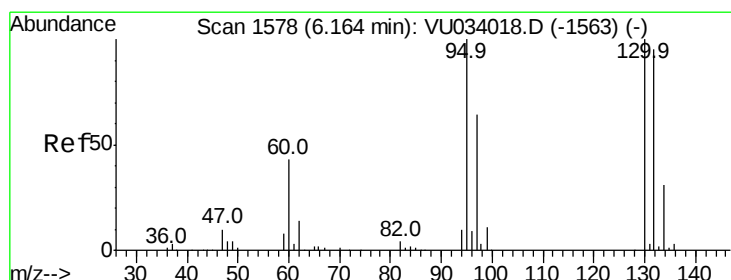
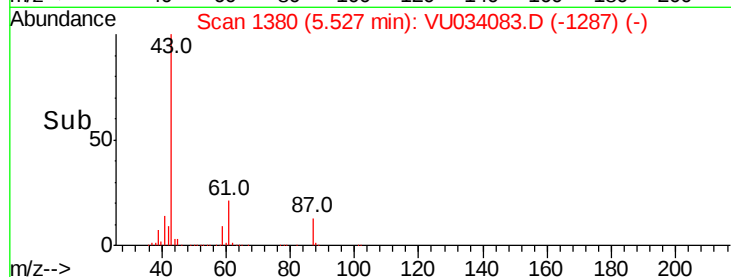
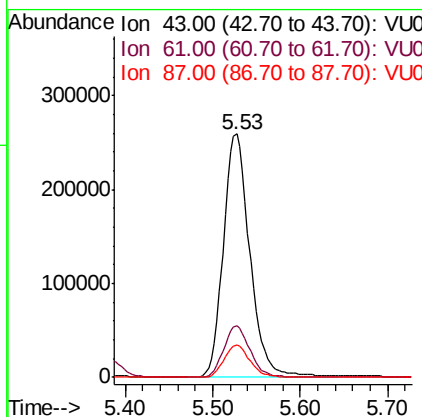
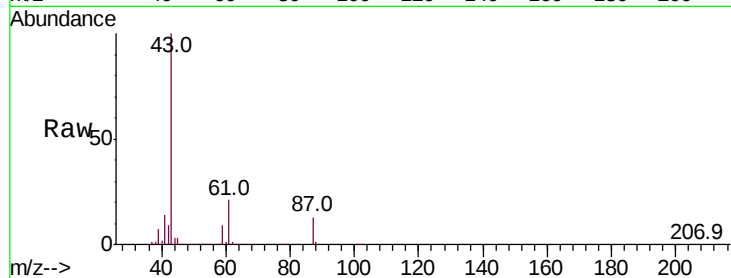
#43
Isopropyl Acetate
Concen: 50.893 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.2	25.8
87	13.3	10.8	16.2

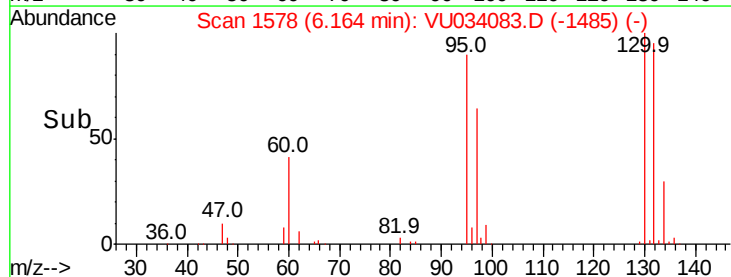
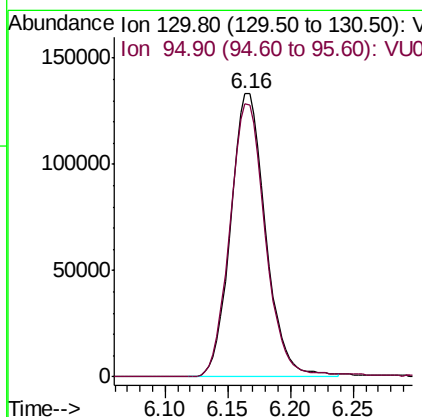
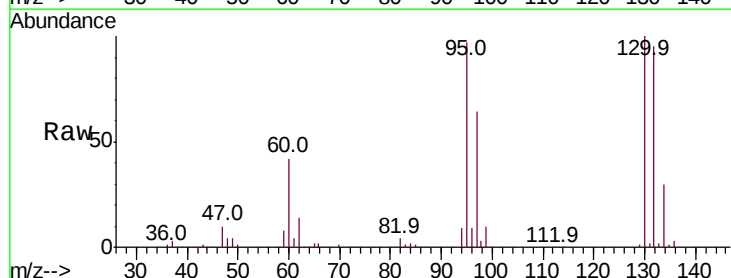
Manual Integrations
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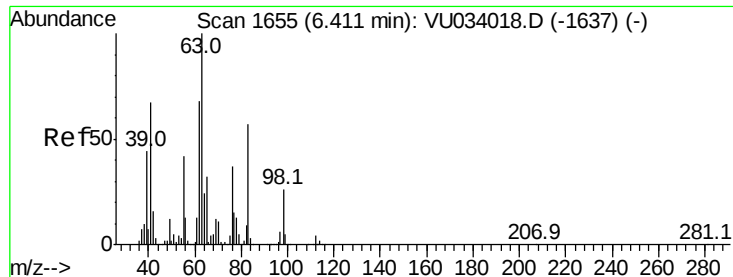
MMDadoda
8/31/2019 11:24:30 AM



#44
Trichloroethene
Concen: 52.193 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	199.6





#45

1,2-Dichloropropane

Concen: 53.430 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 277733

Ion Ratio Lower Upper

63 100

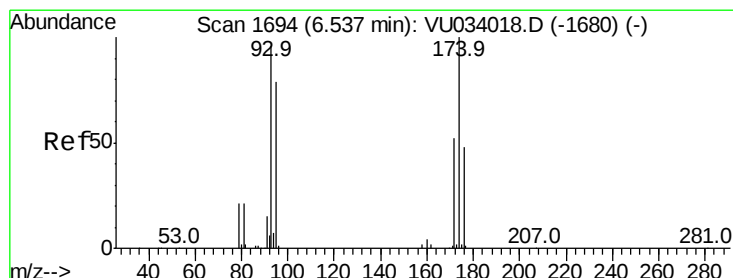
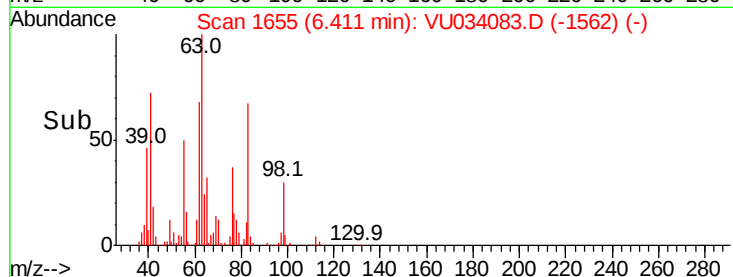
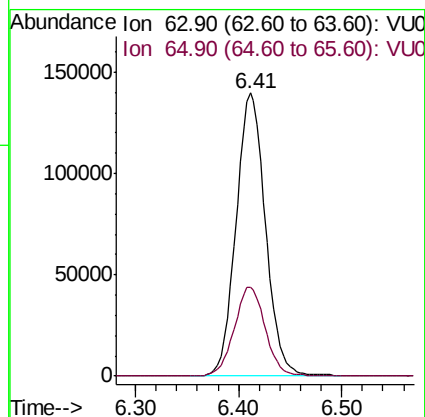
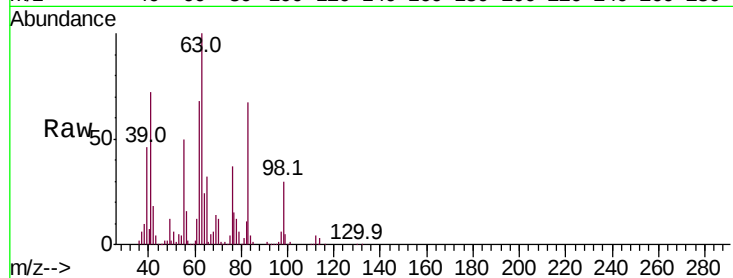
65 31.5 25.4 38.2

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#46

Dibromomethane

Concen: 52.286 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

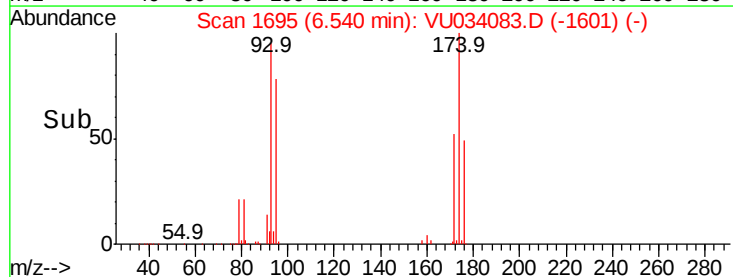
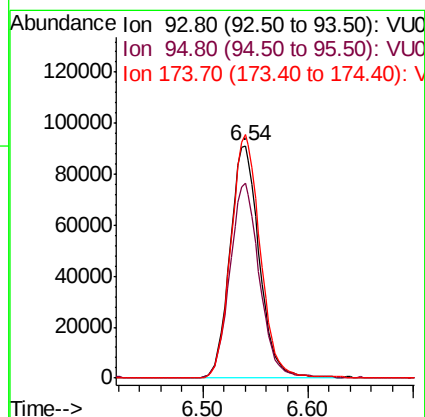
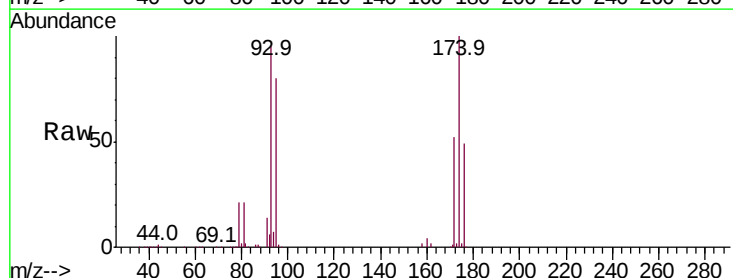
Tgt Ion: 93 Resp: 175102

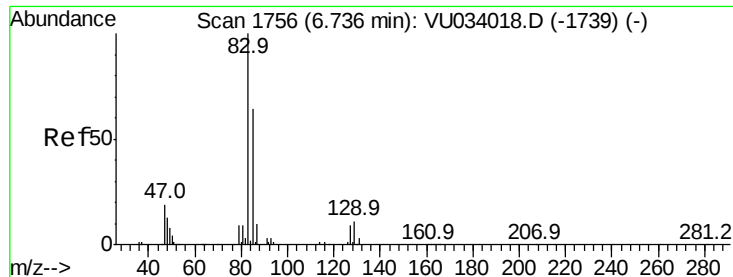
Ion Ratio Lower Upper

93 100

95 84.0 66.7 100.1

174 104.7 84.9 127.3





#47

Bromodichloromethane

Concen: 52.237 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

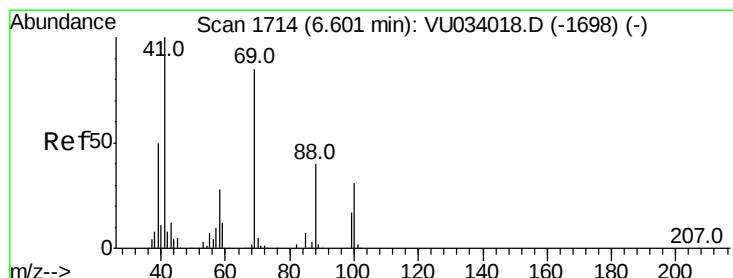
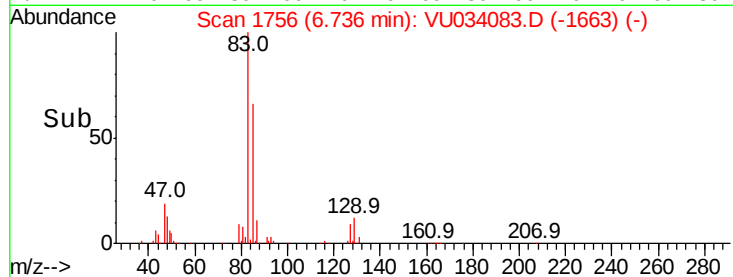
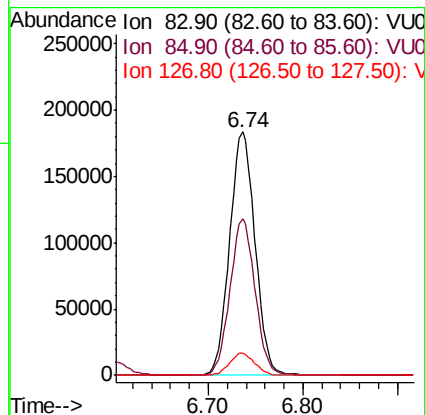
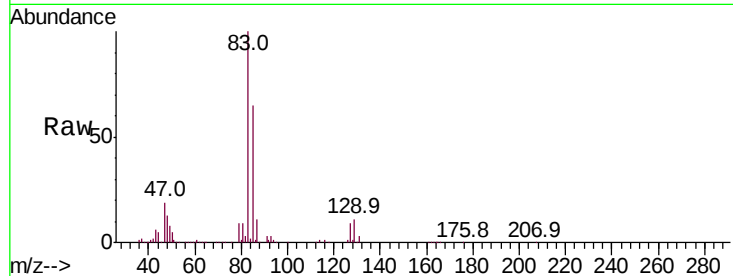
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	342263
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.2	76.8
127	9.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.856 ug/l

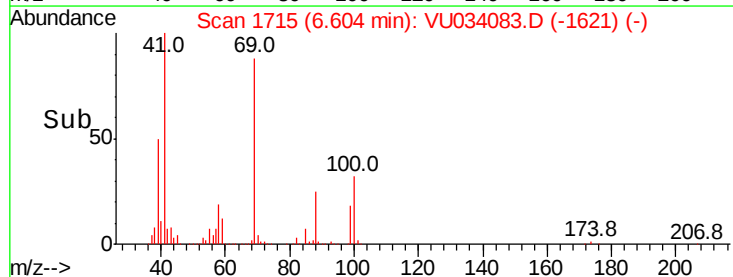
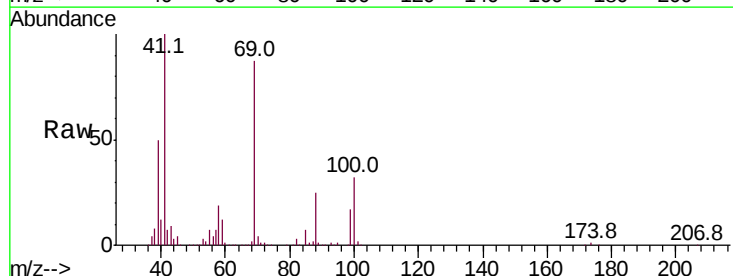
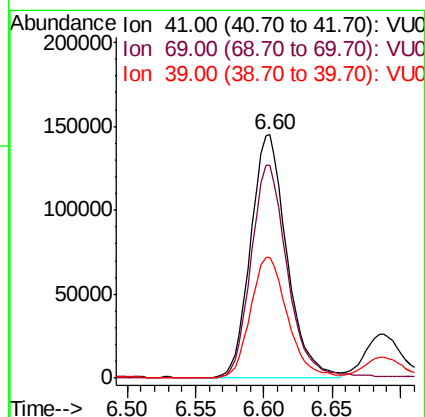
RT: 6.60 min Scan# 1715

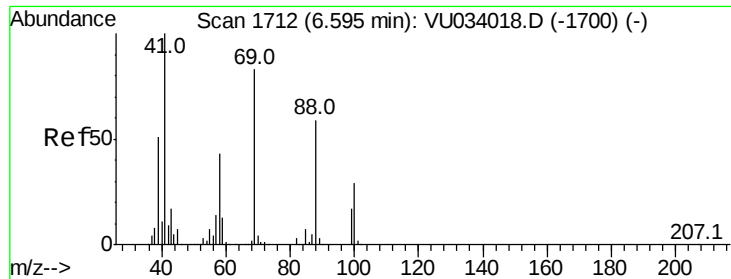
Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion:	41	Resp:	266067
Ion Ratio	Lower	Upper	
41	100		
69	89.2	69.5	104.3
39	50.4	40.3	60.5





#49

1,4-Dioxane

Concen: 853.621 ug/l

RT: 6.59 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

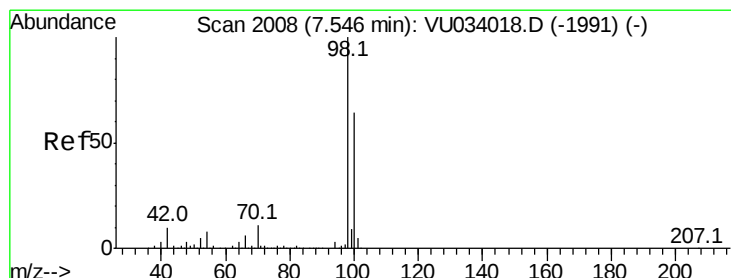
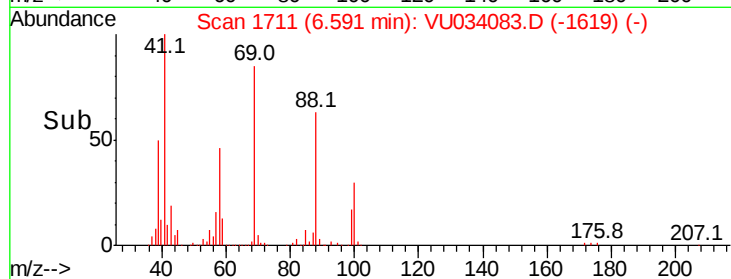
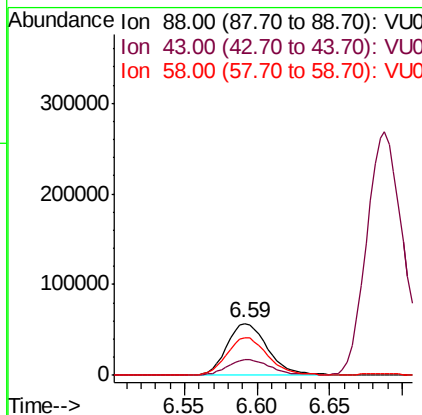
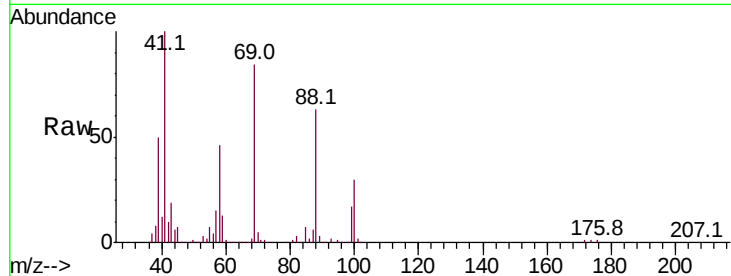
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	109739
Ion	Ratio	Lower	Upper
88	100		
43	32.1	24.8	37.2
58	74.9	59.3	88.9

Manual Integrations
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#50

Toluene-d8

Concen: 50.804 ug/l

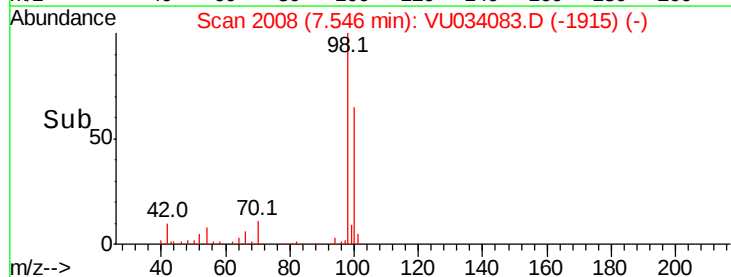
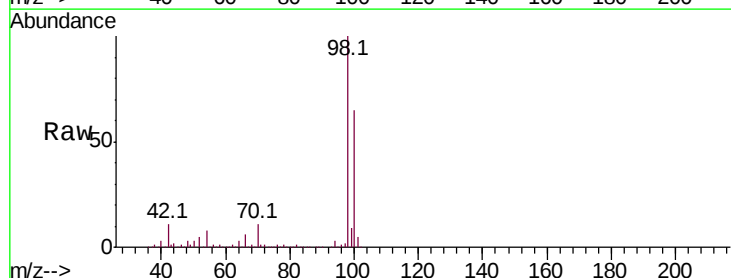
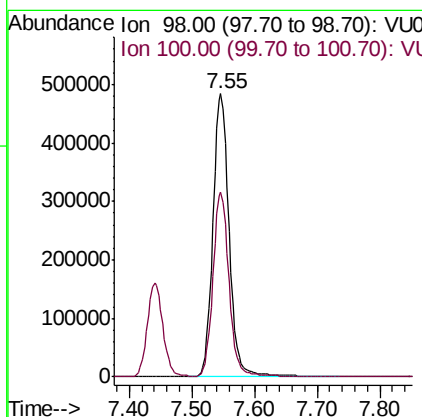
RT: 7.55 min Scan# 2008

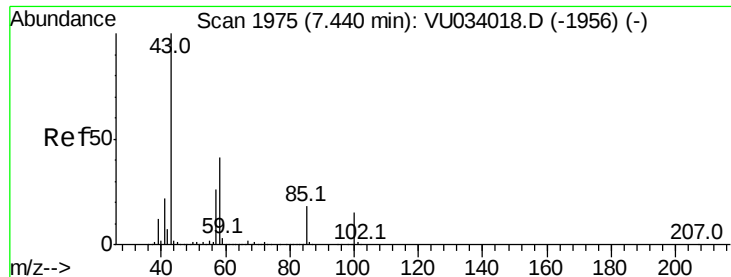
Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion:	98	Resp:	870598
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 249.620 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1832980

Ion Ratio Lower Upper

43 100

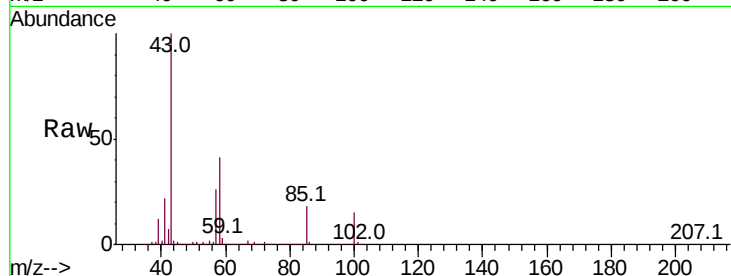
58 40.7 32.2 48.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034083.D (-1956) (-)

Ion 58.00 (57.70 to 58.70): VU034083.D (-1956) (-)

1200000

1000000

800000

600000

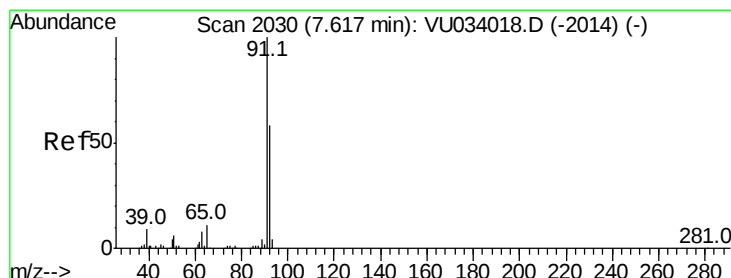
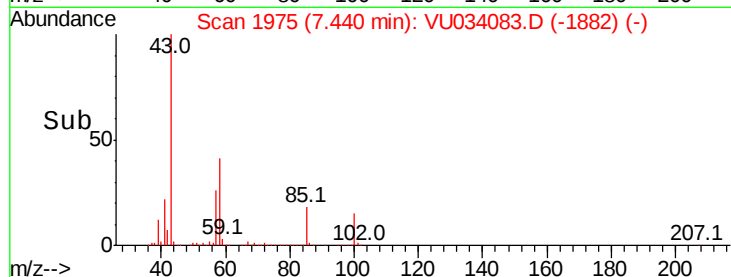
400000

200000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 53.785 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034083.D

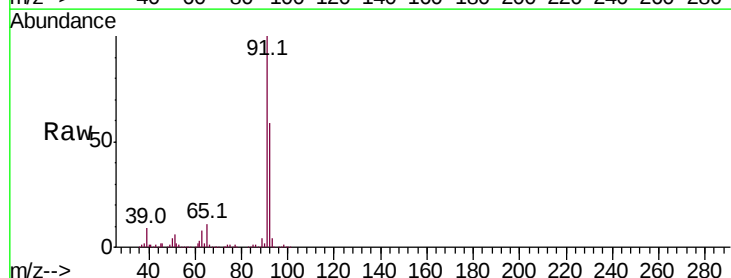
Acq: 30 Aug 2019 09:13

Tgt Ion: 92 Resp: 625643

Ion Ratio Lower Upper

92 100

91 172.9 138.3 207.5



Abundance Ion 92.00 (91.70 to 92.70): VU034083.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034083.D (-1937) (-)

600000

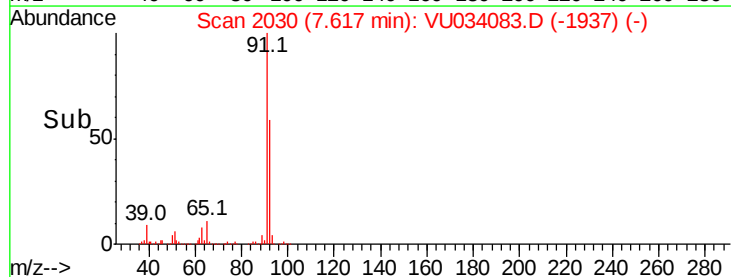
400000

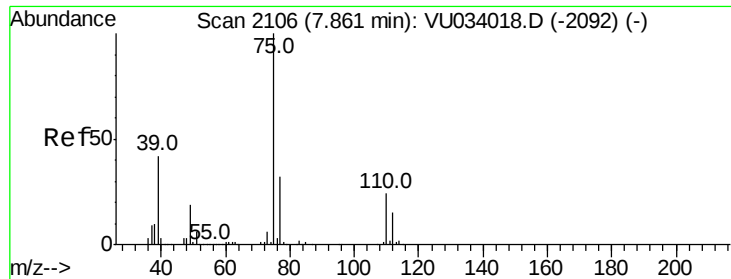
200000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 51.867 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 377080

Ion Ratio Lower Upper

75 100

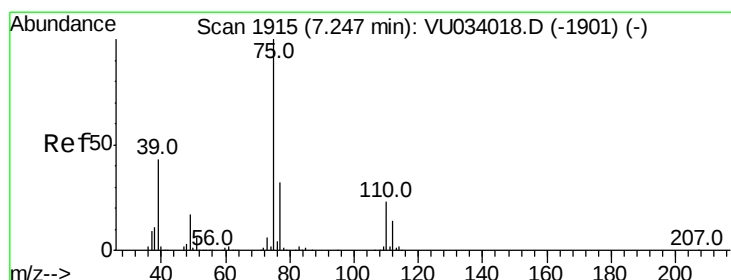
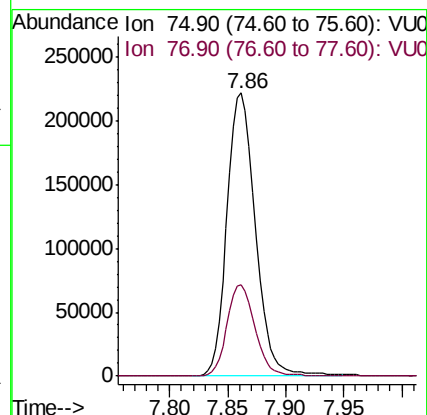
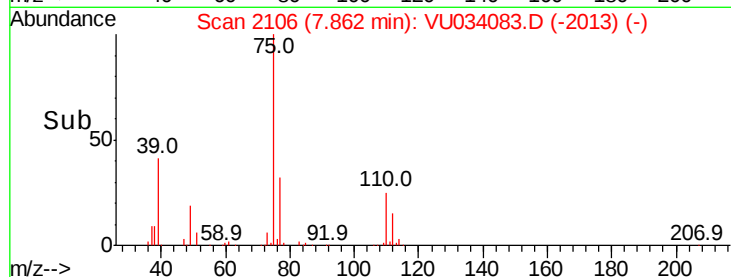
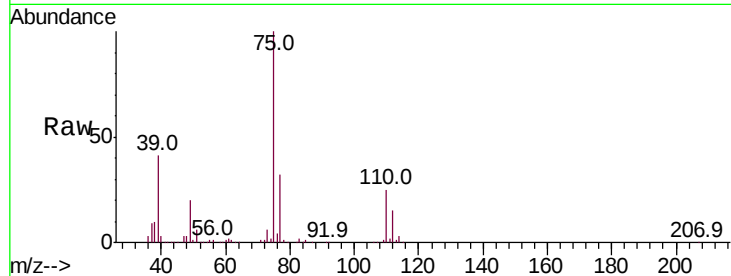
77 32.1 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 53.226 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

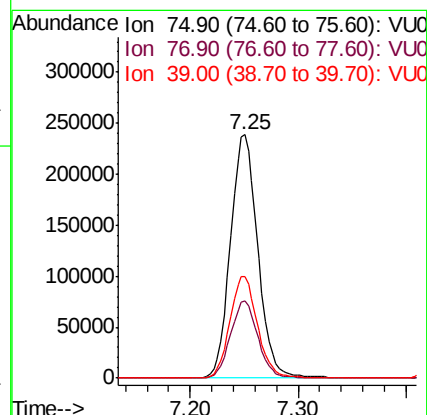
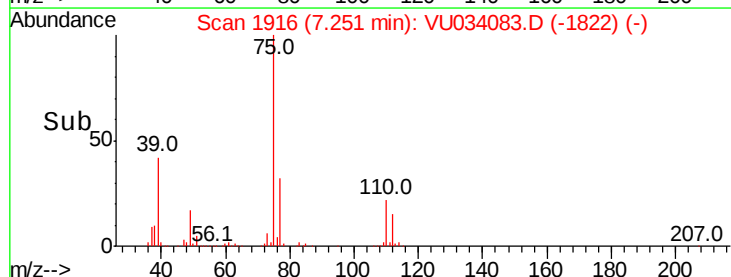
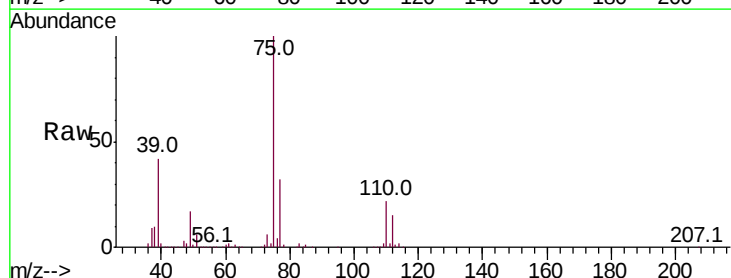
Tgt Ion: 75 Resp: 422756

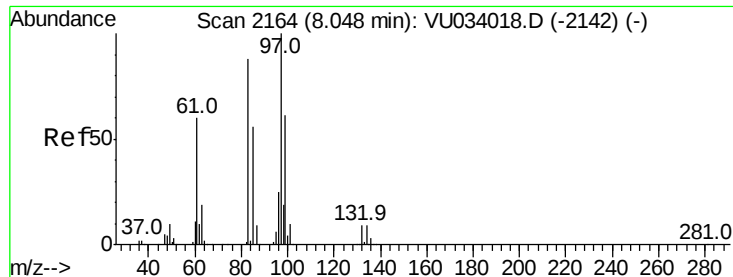
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 41.6 34.6 51.8





#55

1,1,2-Trichloroethane

Concen: 51.456 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

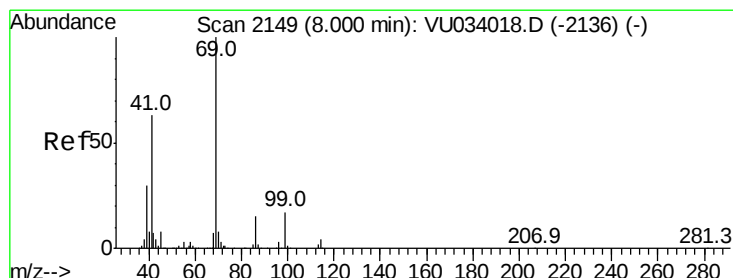
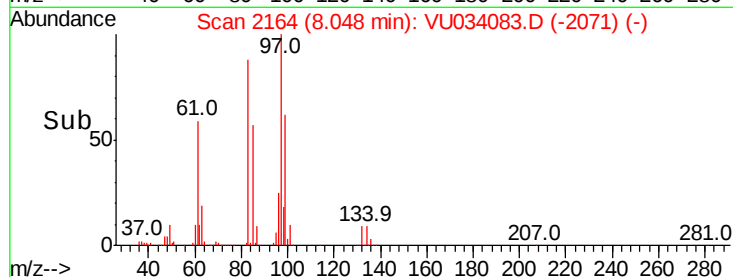
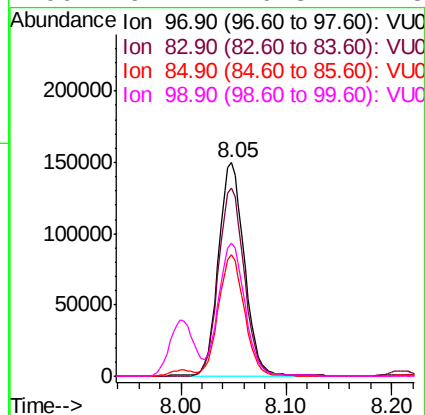
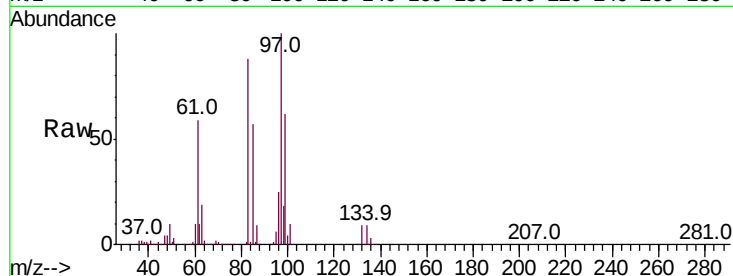
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	253181		
83	88.1	70.1	105.1	
85	56.9	45.0	67.4	
99	62.2	49.8	74.8	

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#56

Ethyl methacrylate

Concen: 46.662 ug/l

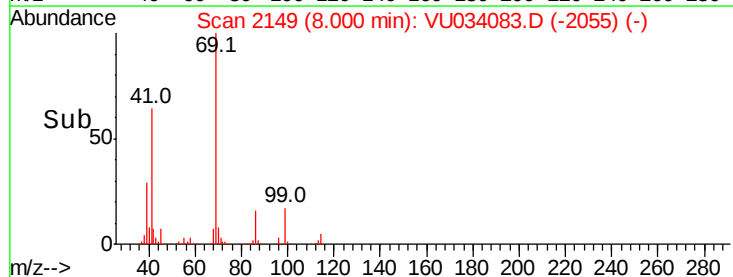
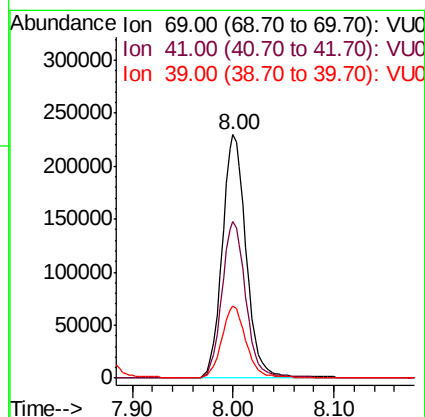
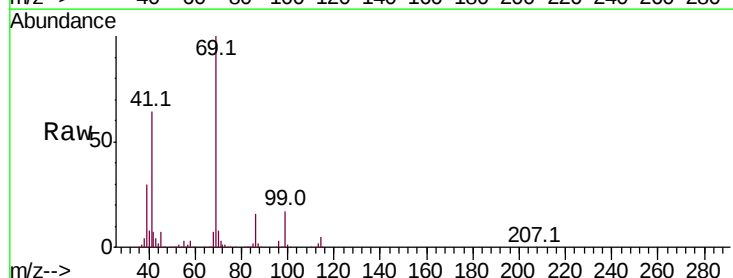
RT: 8.00 min Scan# 2149

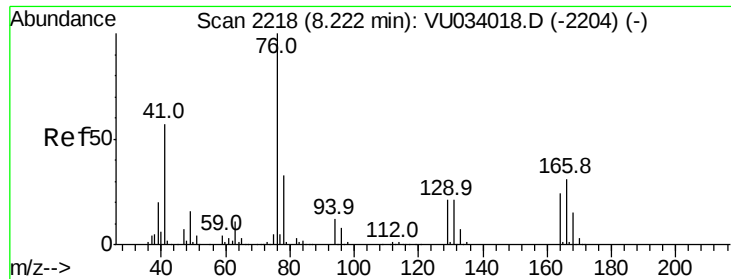
Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	380296		
41	63.9	50.7	76.1	
39	29.3	24.2	36.2	





#57

1,3-Dichloropropane

Concen: 51.698 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 431911

Ion Ratio Lower Upper

76 100

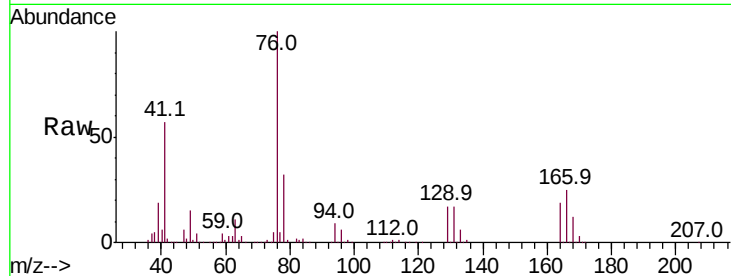
78 32.9 26.2 39.4

Manual Integrations

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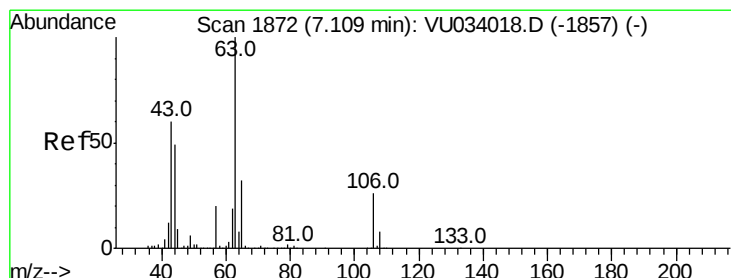
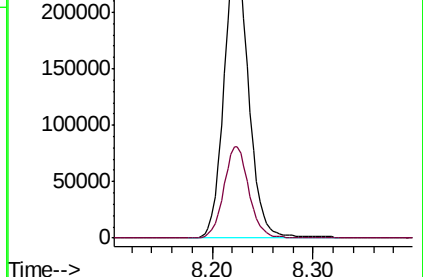
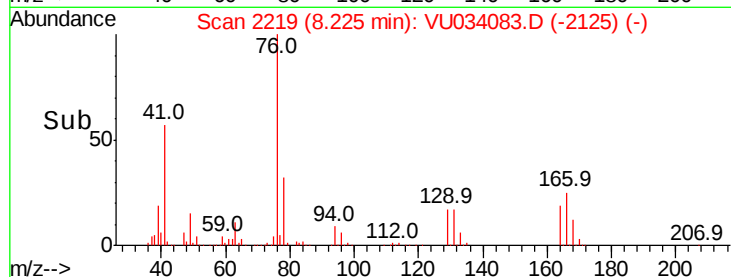


Abundance Ion 75.90 (75.60 to 76.60): VU034083.D (-2218) (-)

Ion 77.90 (77.60 to 78.60): VU034083.D (-2218) (-)

8.22

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 243.627 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034083.D

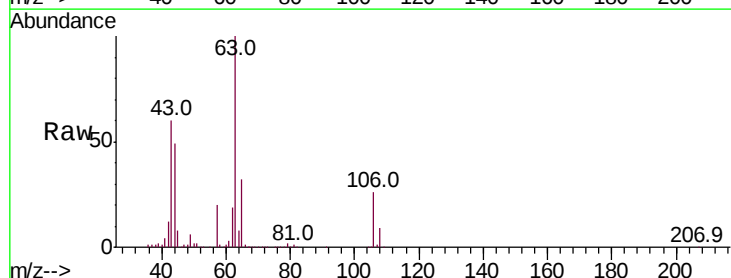
Acq: 30 Aug 2019 09:13

Tgt Ion: 63 Resp: 663177

Ion Ratio Lower Upper

63 100

106 26.3 20.7 31.1

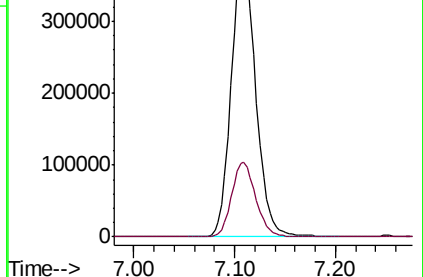
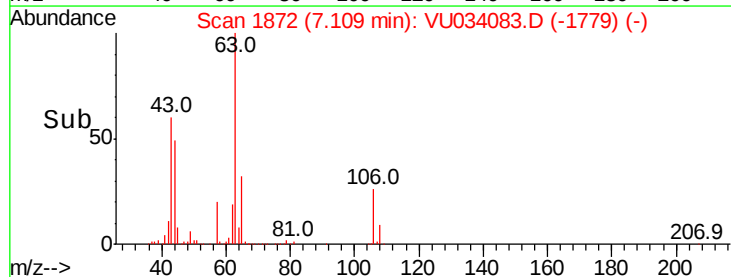


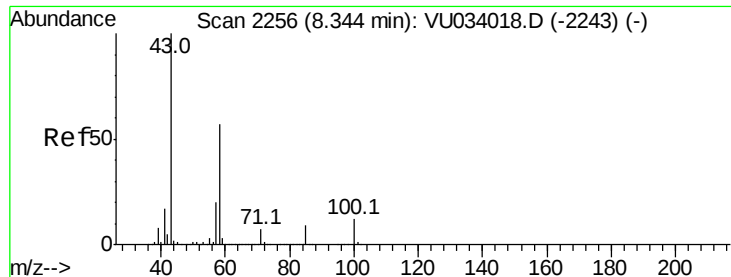
Abundance Ion 62.90 (62.60 to 63.60): VU034083.D (-1872) (-)

Ion 105.90 (105.60 to 106.60): VU034083.D (-1872) (-)

7.11

Time-->





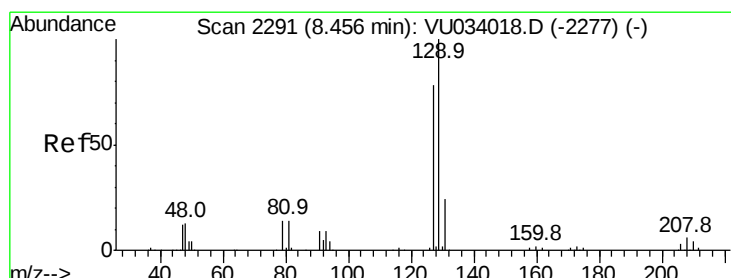
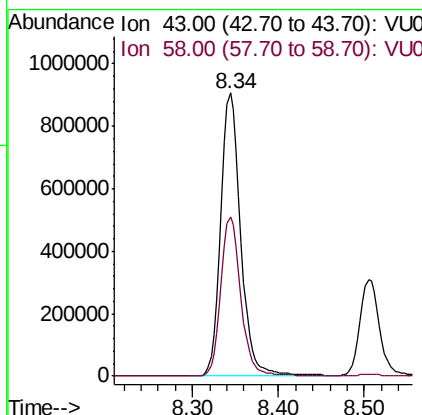
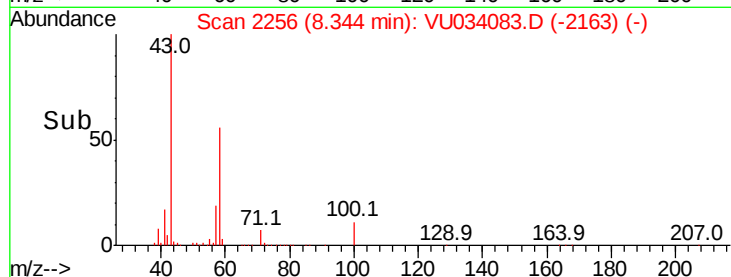
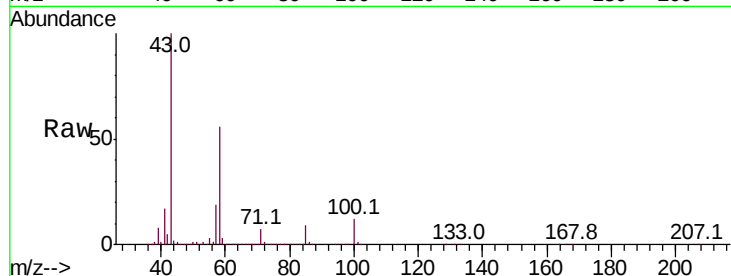
#59
2-Hexanone
Concen: 264.486 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1466140
Ion Ratio Lower Upper
43 100
58 56.8 28.4 85.3

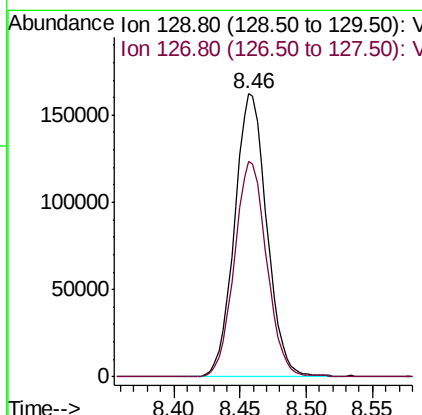
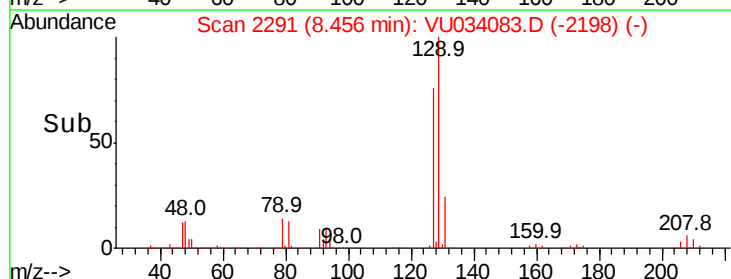
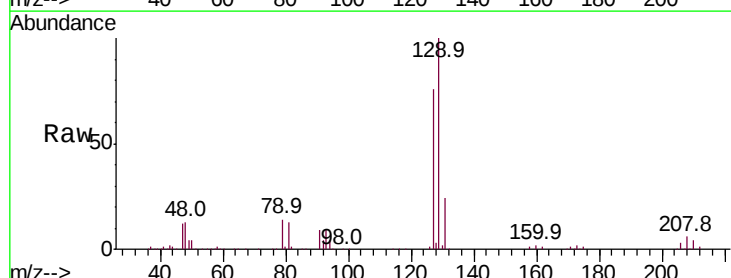
Manual Integrations
APPROVED

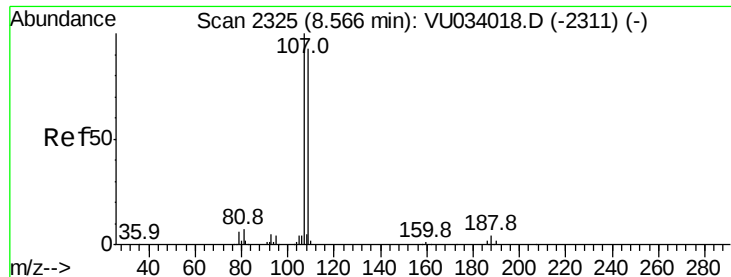
MMDadoda
8/31/2019 11:24:30 AM



#60
Dibromochloromethane
Concen: 51.989 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion: 129 Resp: 274593
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





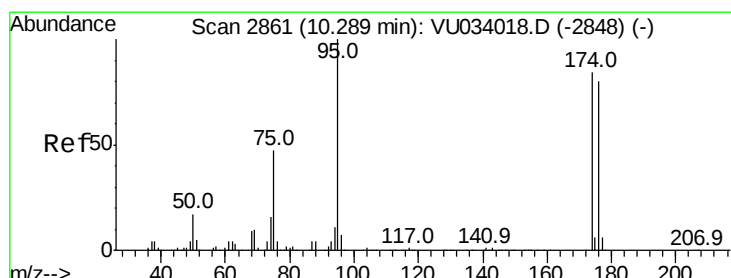
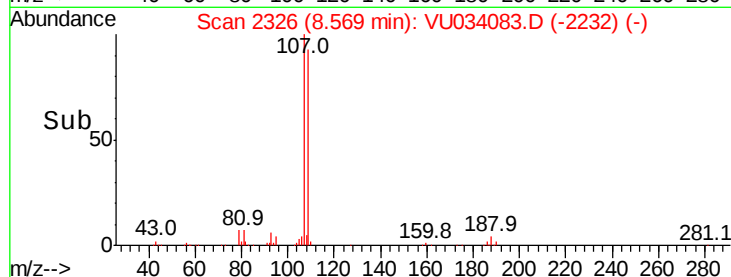
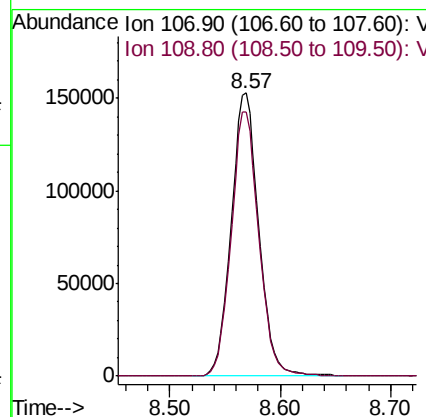
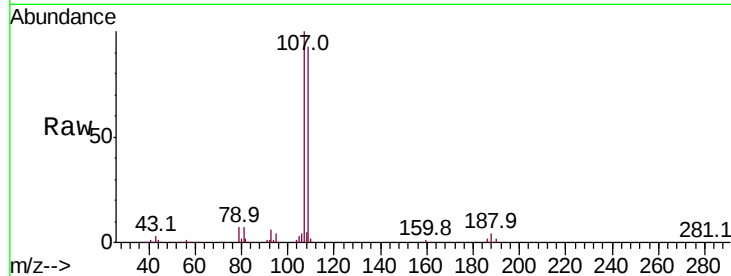
#61
 1,2-Dibromoethane
 Concen: 51.038 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

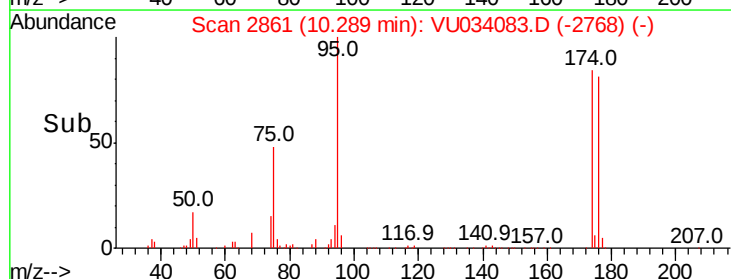
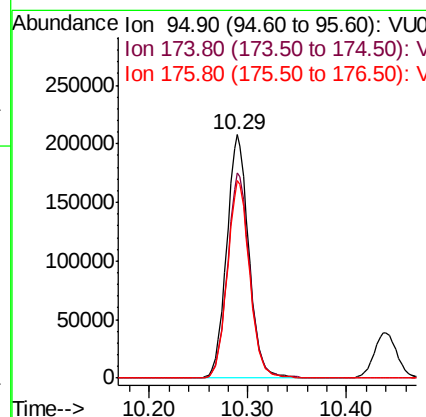
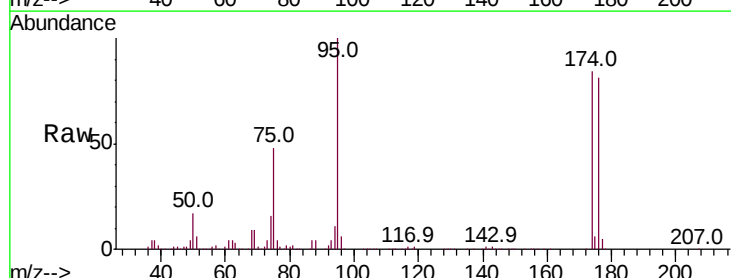
Manual Integrations
 APPROVED

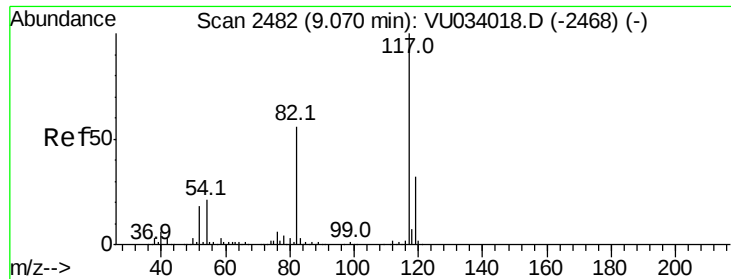
MMDadoda
 8/31/2019 11:24:30 AM



#62
 4-Bromofluorobenzene
 Concen: 49.180 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.9	0.0	168.8
176	81.5	0.0	161.8





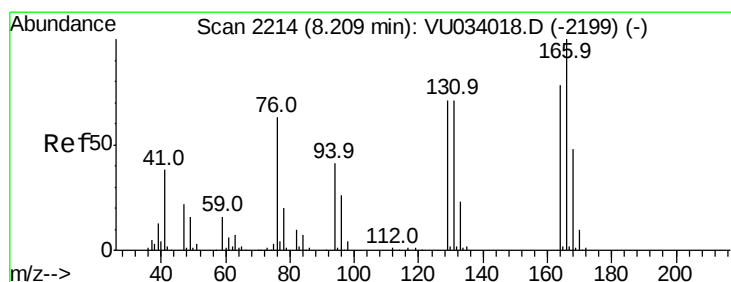
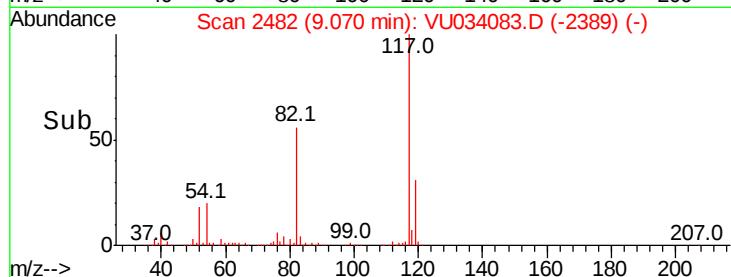
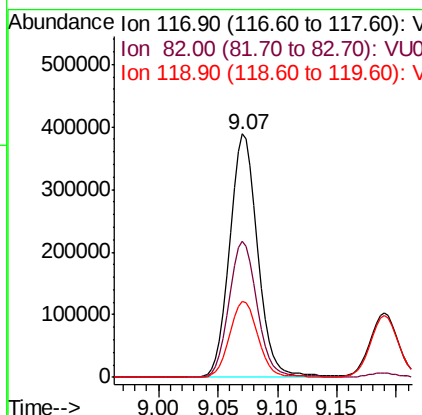
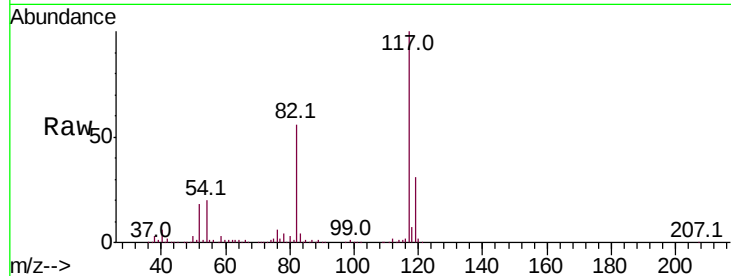
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.1	67.7
119	31.3	25.4	38.0

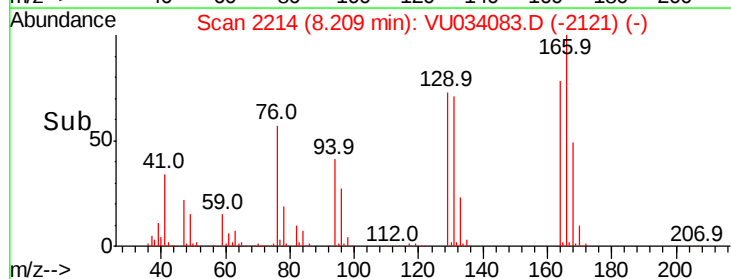
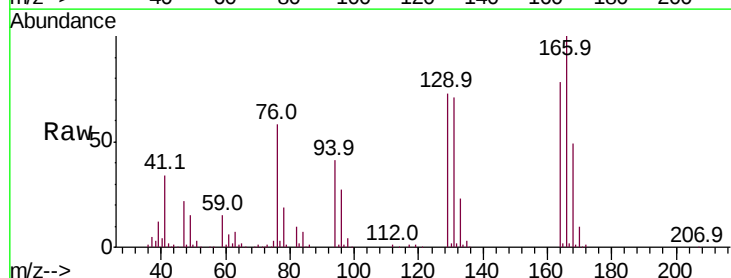
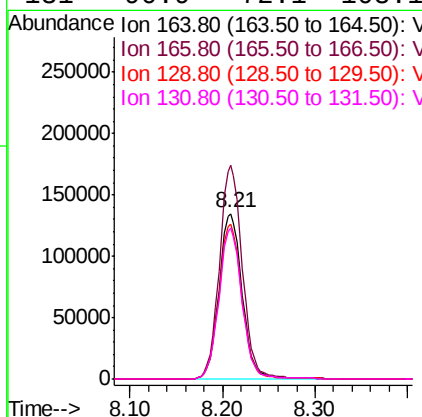
Manual Integrations
APPROVED

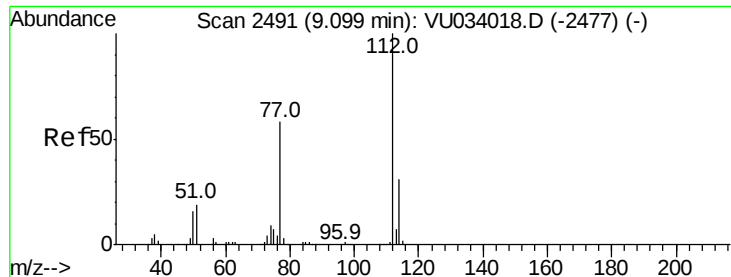
MMDadoda
8/31/2019 11:24:30 AM



#64
Tetrachloroethene
Concen: 54.906 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	102.2	153.2
129	93.8	72.4	108.6
131	90.9	72.1	108.1





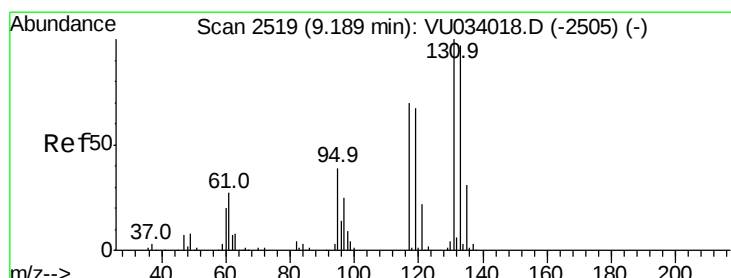
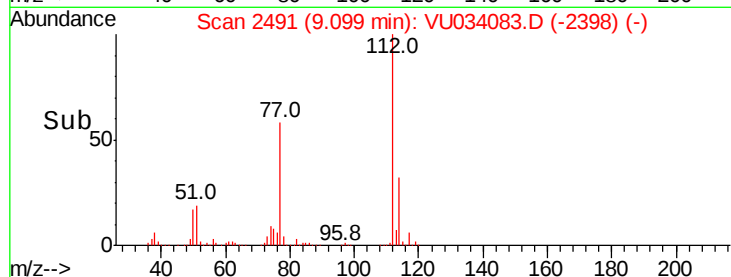
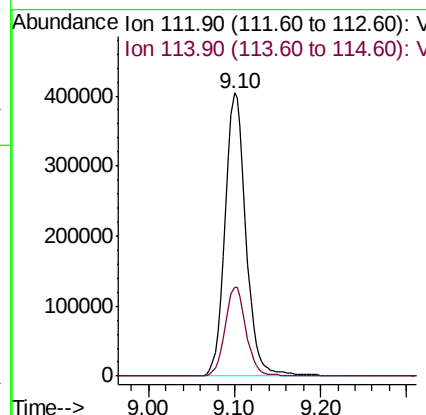
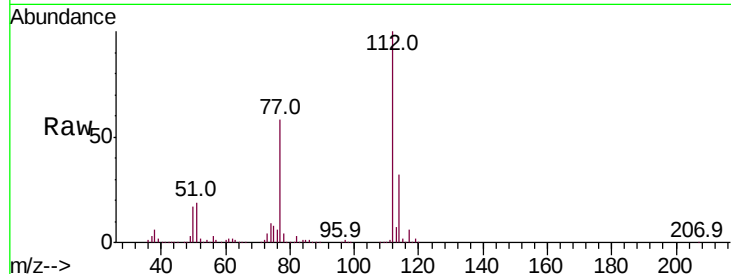
#65
Chlorobenzene
Concen: 52.225 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.0	37.4

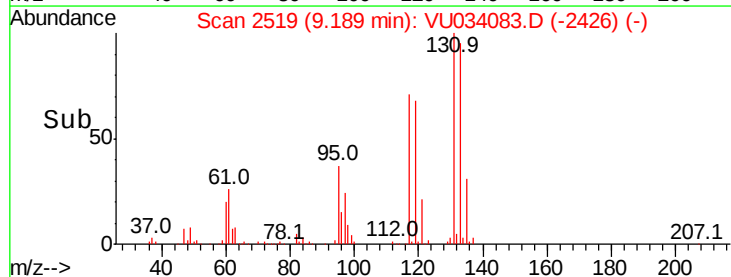
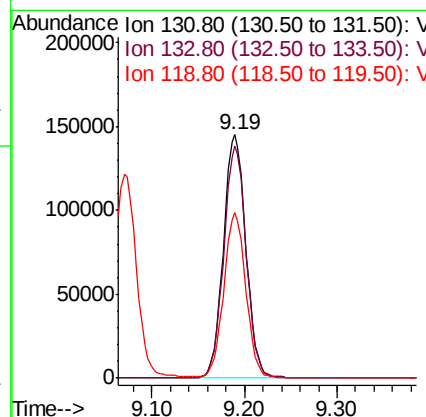
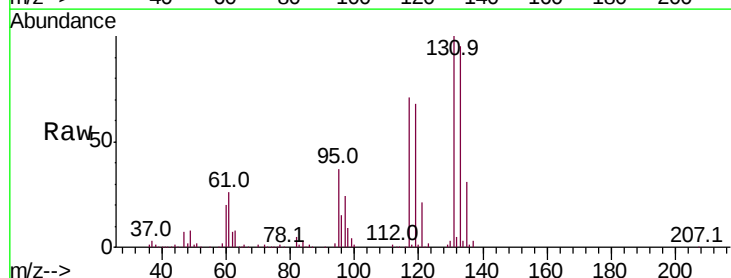
Manual Integrations
APPROVED

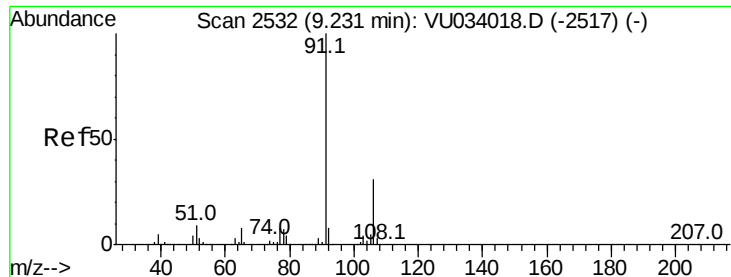
MMDadoda
8/31/2019 11:24:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.283 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.4	145.2
119	67.4	33.6	100.6





#67

Ethyl Benzene

Concen: 53.400 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1185383

Ion Ratio Lower Upper

91 100

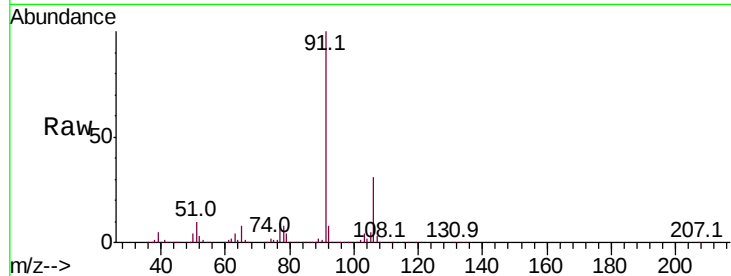
106 31.4 24.9 37.3

Manual Integrations

APPROVED

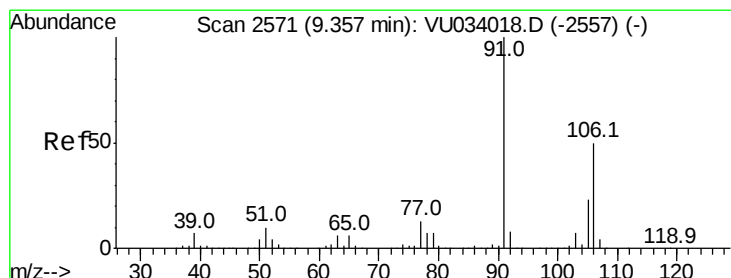
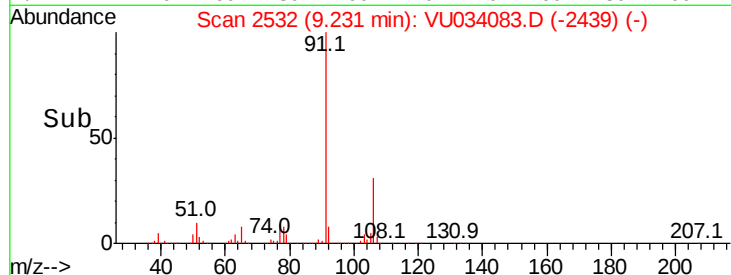
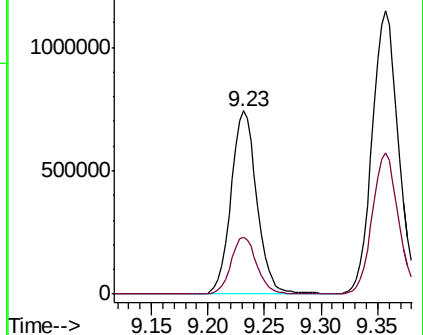
MMDadoda

8/31/2019 11:24:30 AM



Abundance Ion 91.00 (90.70 to 91.70): VU034018.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034018.D (-2517) (-)



#68

m/p-Xylenes

Concen: 109.767 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034083.D

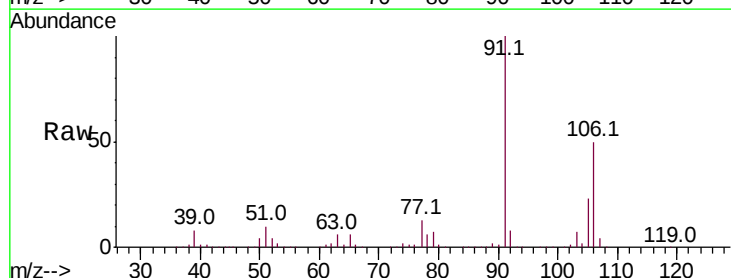
Acq: 30 Aug 2019 09:13

Tgt Ion:106 Resp: 926502

Ion Ratio Lower Upper

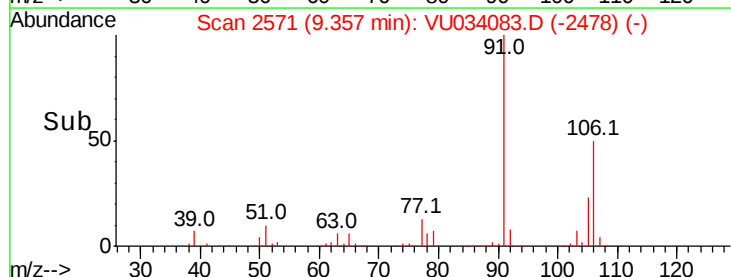
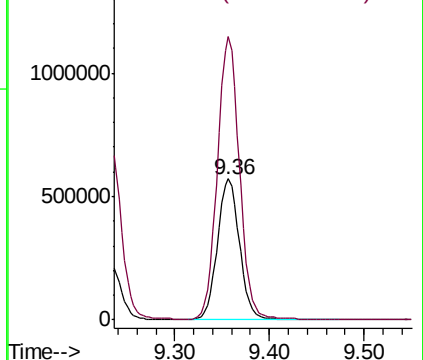
106 100

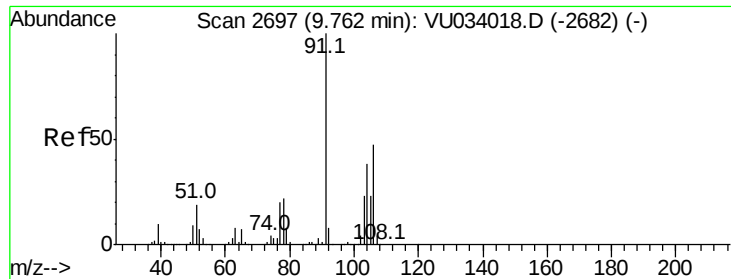
91 200.9 161.6 242.4



Abundance Ion 106.00 (105.70 to 106.70): VU034018.D (-2557) (-)

Ion 91.00 (90.70 to 91.70): VU034018.D (-2557) (-)





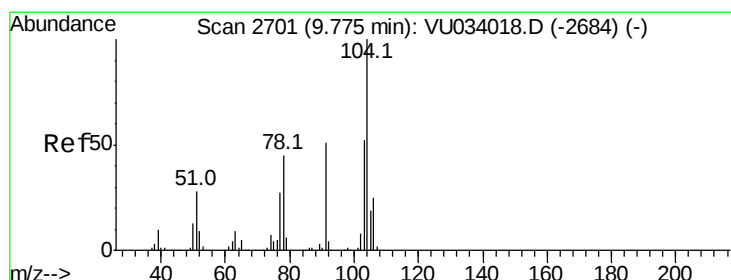
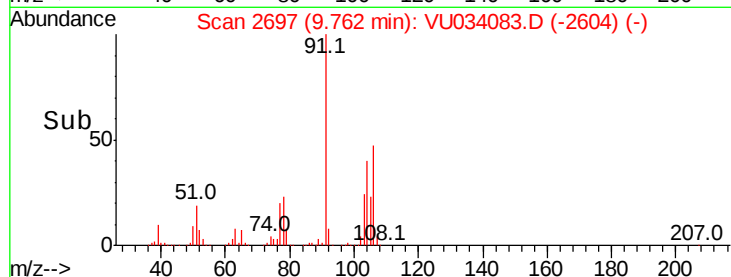
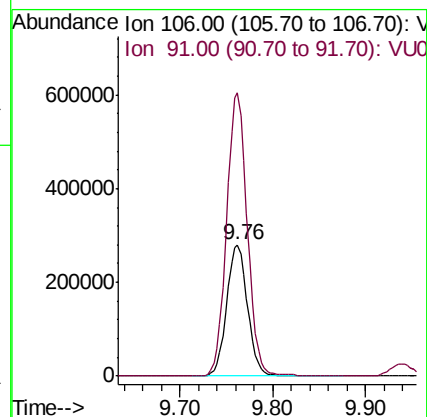
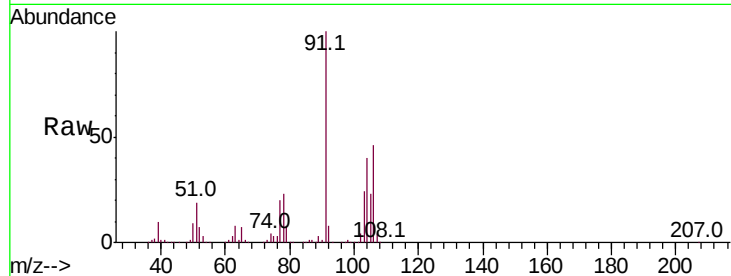
#69
o-Xylene
Concen: 54.014 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.2	106.0	318.0

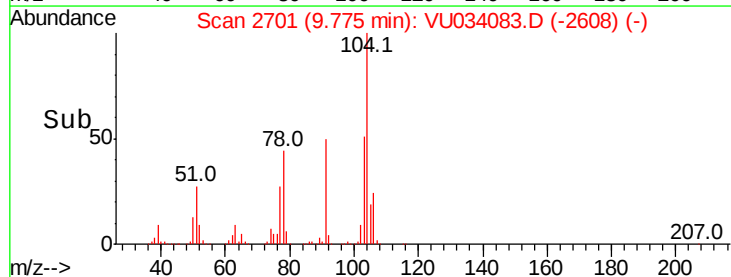
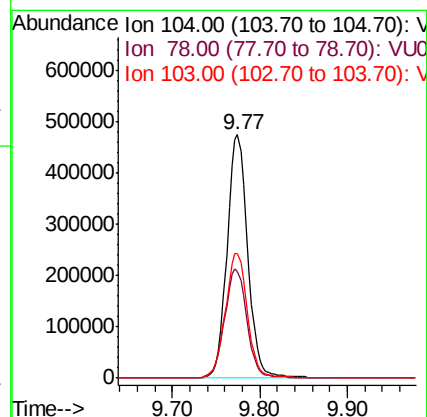
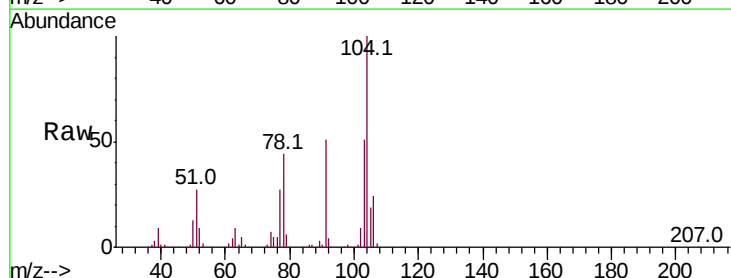
Manual Integrations
APPROVED

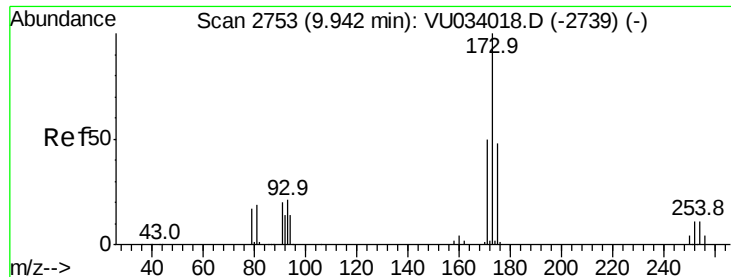
MMDadoda
8/31/2019 11:24:30 AM



#70
Styrene
Concen: 56.244 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.0	58.4
103	54.8	44.0	66.0





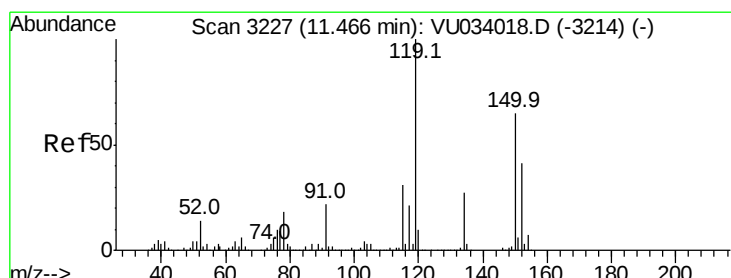
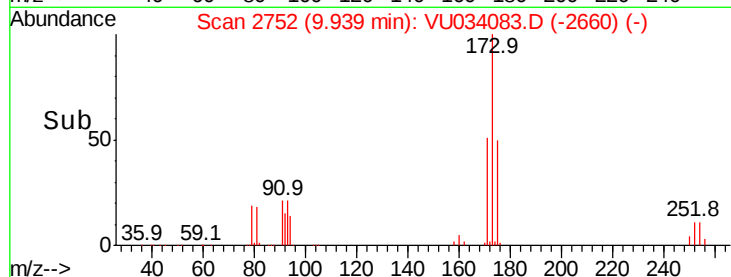
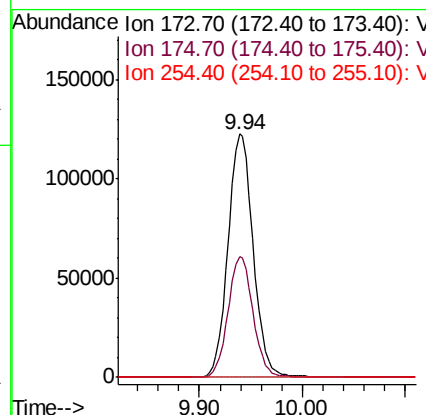
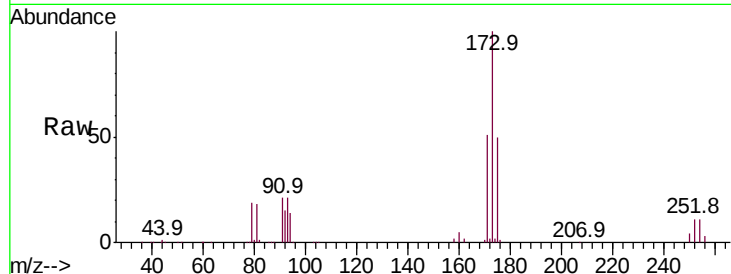
#71
Bromoform
Concen: 50.506 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.6
254	0.0	0.0	0.0#

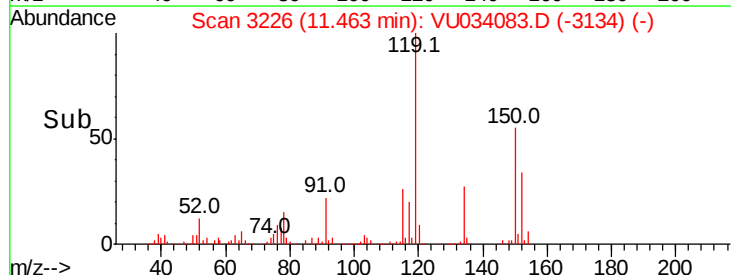
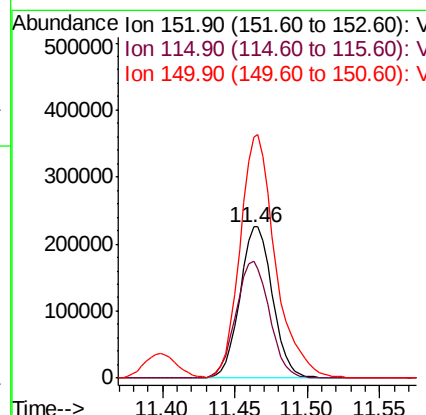
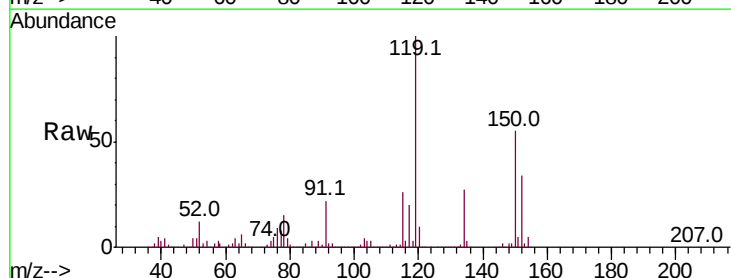
Manual Integrations
APPROVED

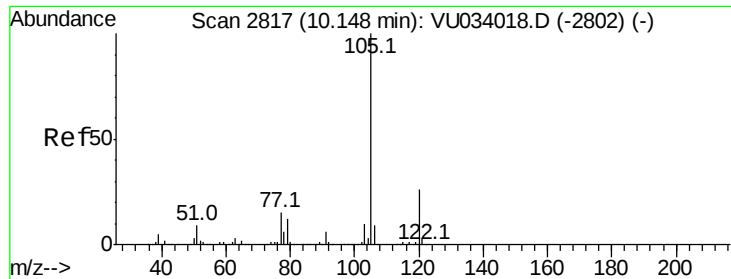
MMDadoda
8/31/2019 11:24:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.8	41.1	123.3
150	174.7	0.0	348.8





#73

Isopropylbenzene

Concen: 50.411 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1192794

Ion Ratio Lower Upper

105 100

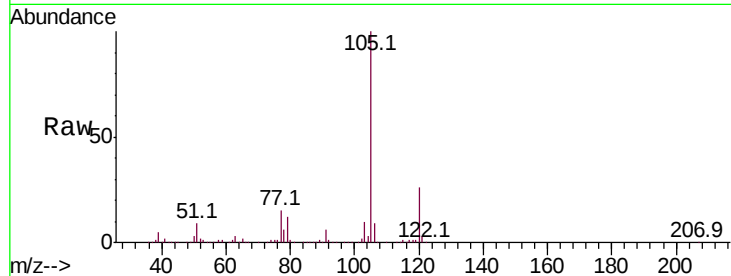
120 26.5 13.3 39.8

Manual Integrations

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MMDadoda

8/31/2019 11:24:30 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

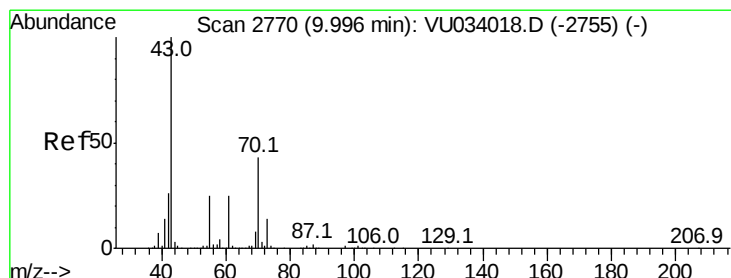
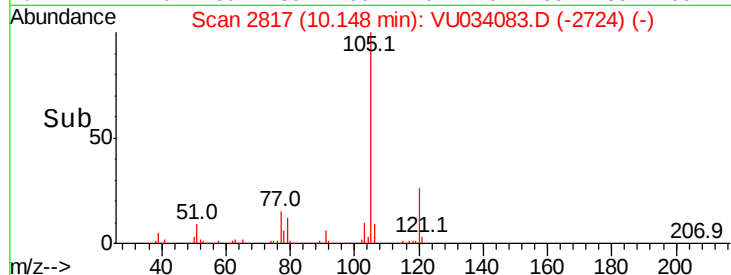
0

10.15

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 49.441 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion: 43 Resp: 492030

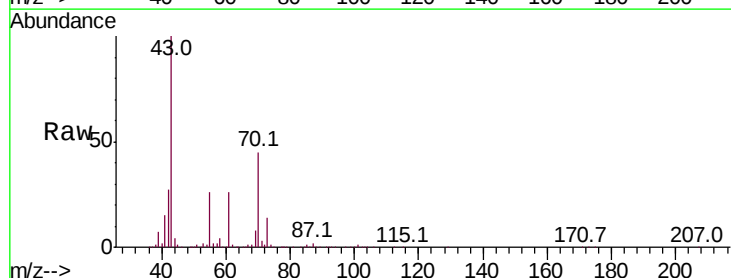
Ion Ratio Lower Upper

43 100

70 44.7 35.2 52.8

55 26.5 20.5 30.7

61 25.2 20.0 30.0



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

500000

400000

300000

200000

100000

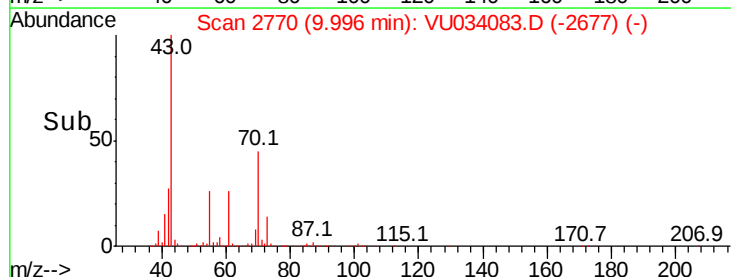
0

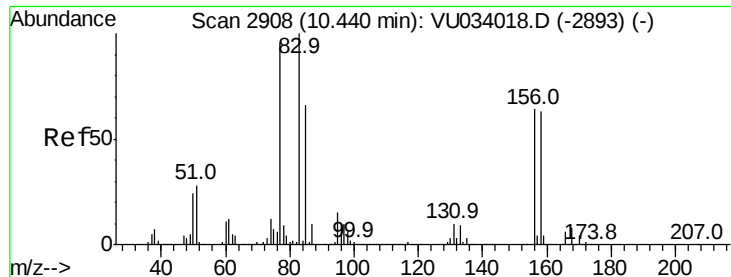
10.00

9.90

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.744 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 423330

Ion Ratio Lower Upper

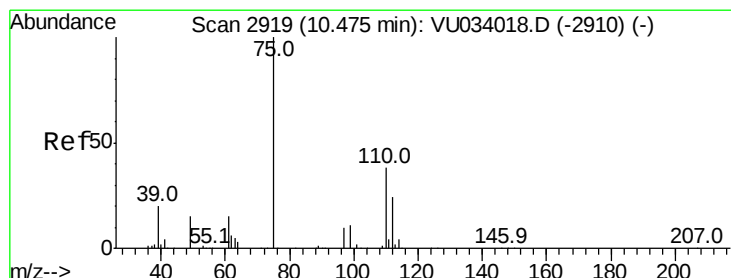
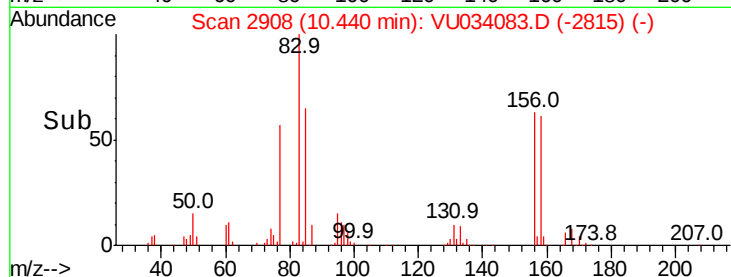
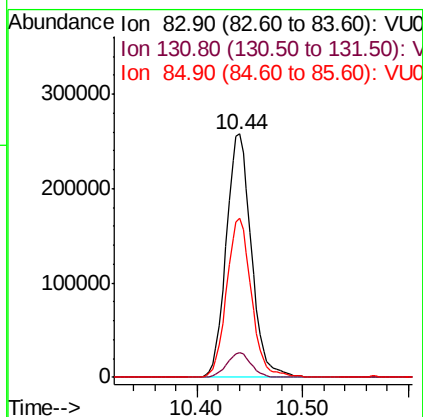
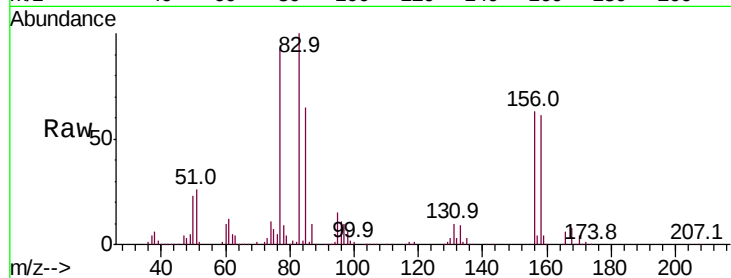
83 100

131 9.8 5.0 14.9

85 64.7 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 46.064 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034083.D

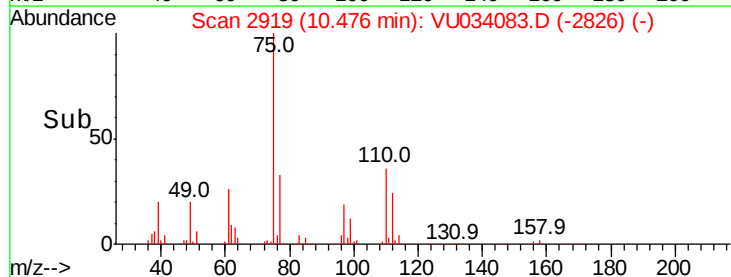
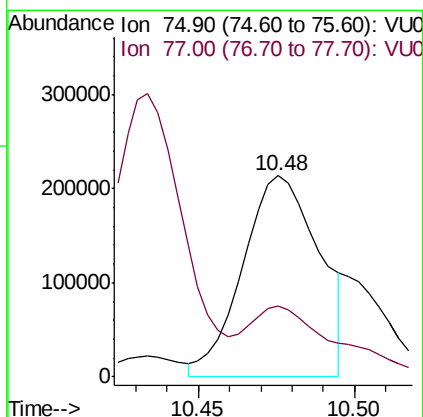
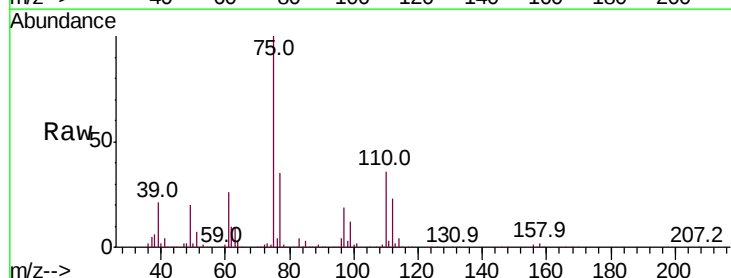
Acq: 30 Aug 2019 09:13

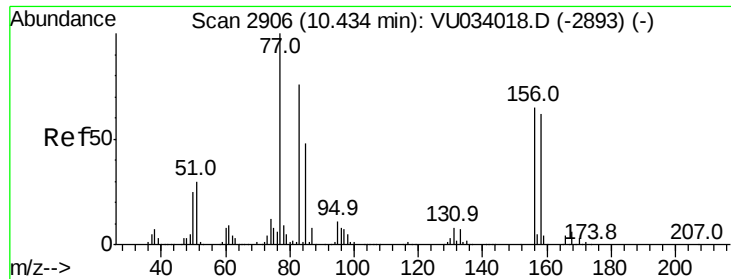
Tgt Ion: 75 Resp: 365726

Ion Ratio Lower Upper

75 100

77 42.0 20.1 60.2





#77

Bromobenzene

Concen: 48.784 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

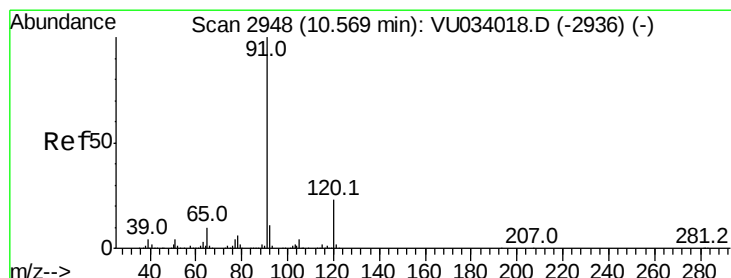
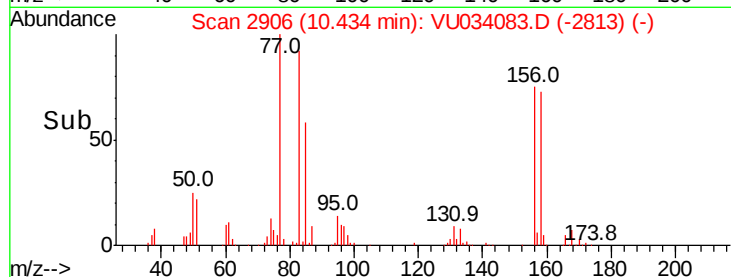
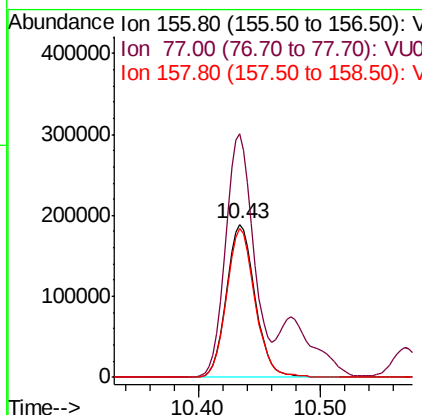
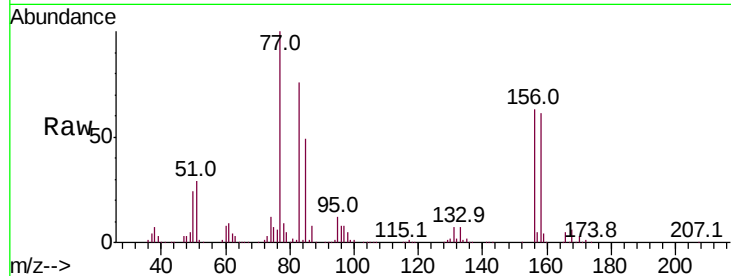
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.9	76.8	230.5
158	97.0	48.4	145.0

Manual Integrations
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#78

n-propylbenzene

Concen: 51.683 ug/l

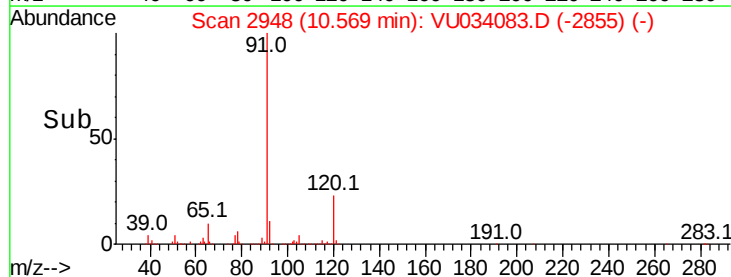
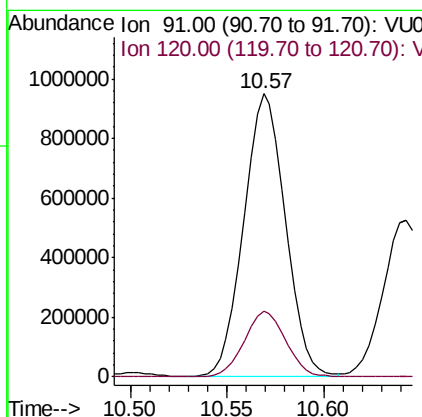
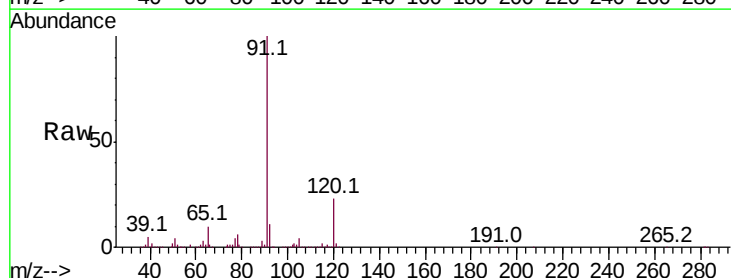
RT: 10.57 min Scan# 2948

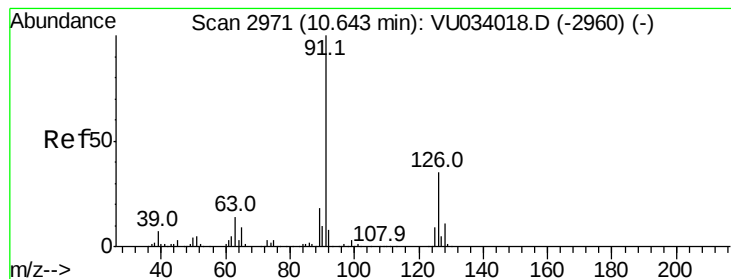
Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.0





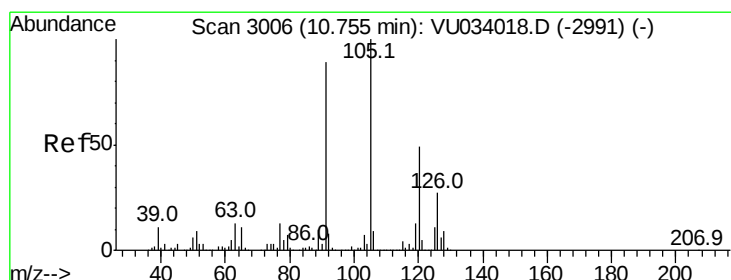
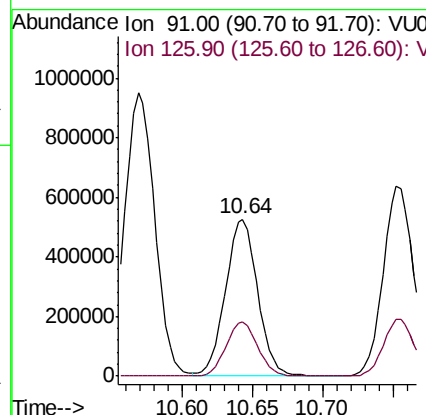
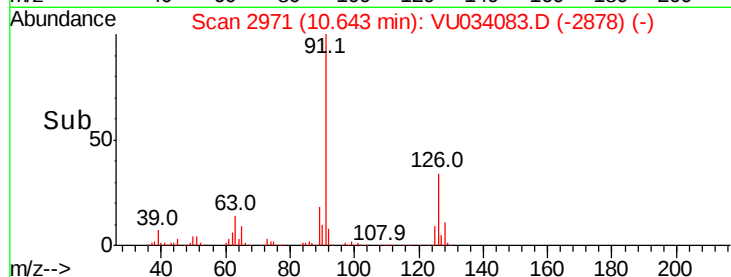
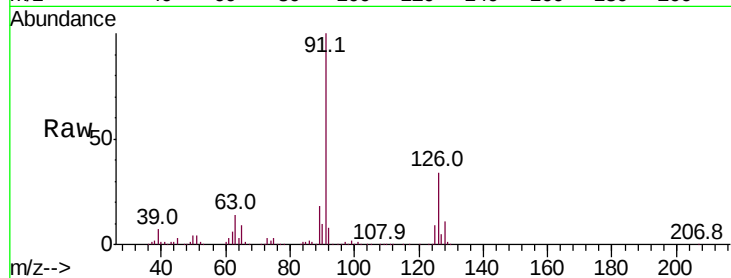
#79
 2-Chlorotoluene
 Concen: 50.514 ug/l
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 834911
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.1 51.2

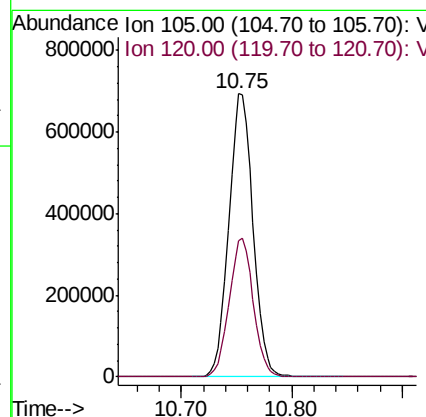
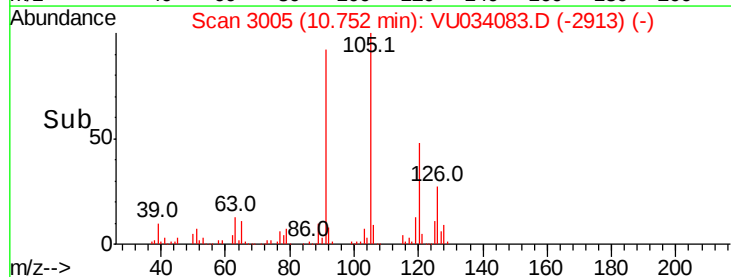
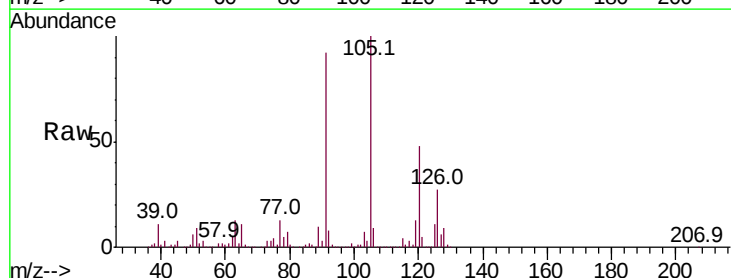
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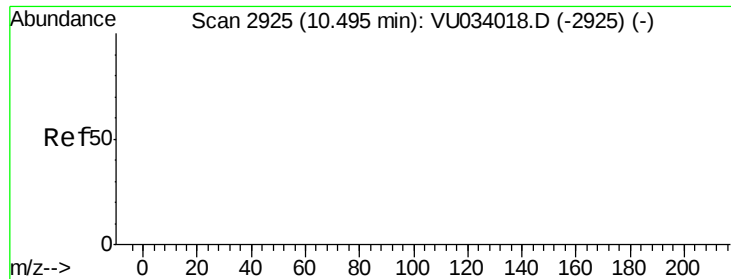
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 52.690 ug/l
 RT: 10.75 min Scan# 3005
 Delta R.T. -0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion: 105 Resp: 1056674
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 45.058 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034083.D

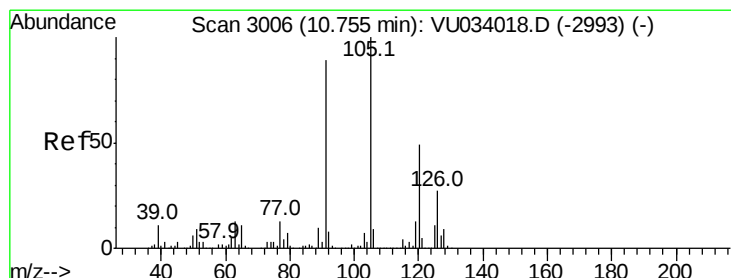
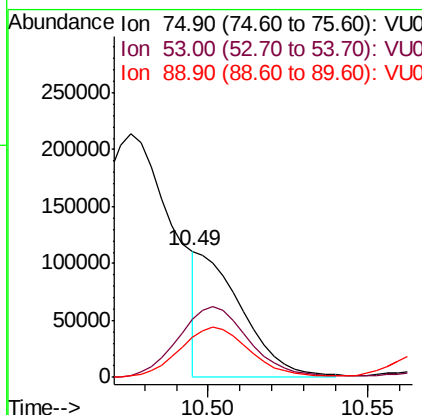
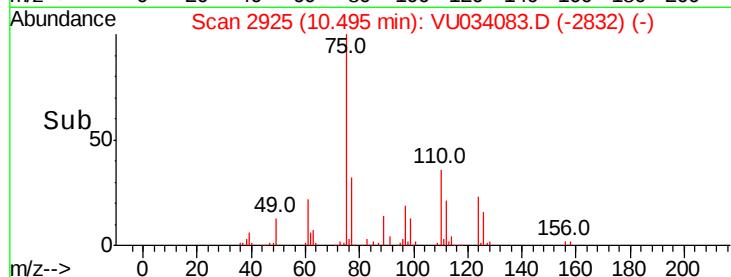
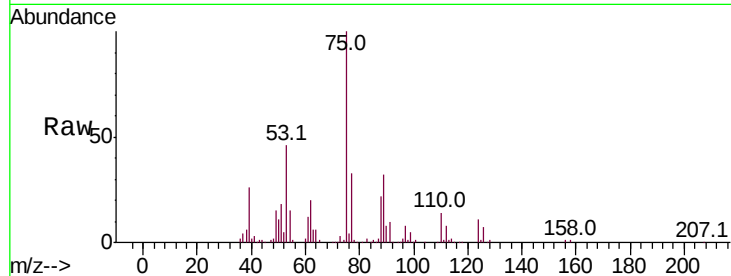
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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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#82

4-Chlorotoluene

Concen: 51.389 ug/l

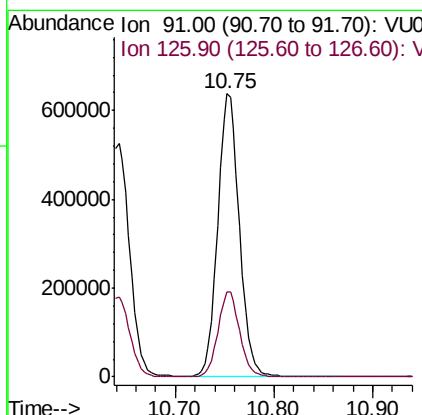
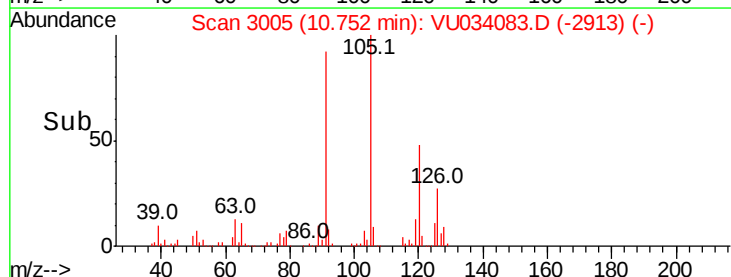
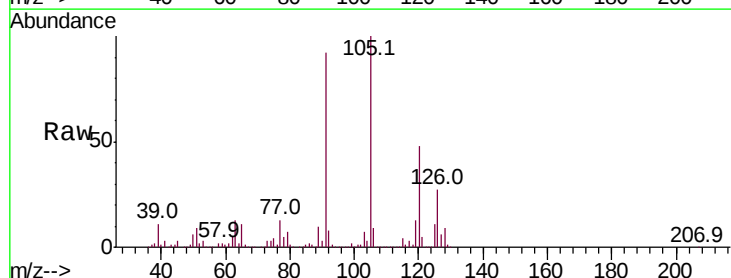
RT: 10.75 min Scan# 3005

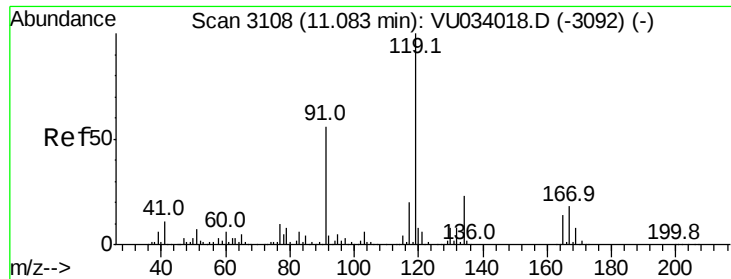
Delta R.T. -0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.0	45.1





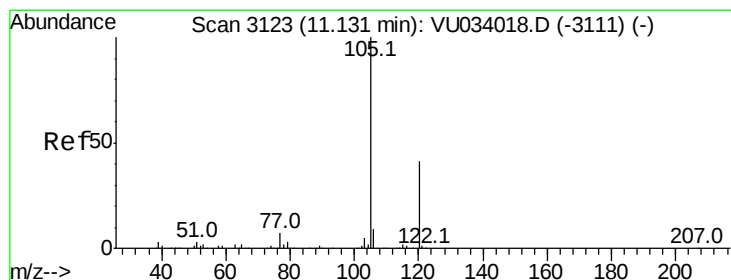
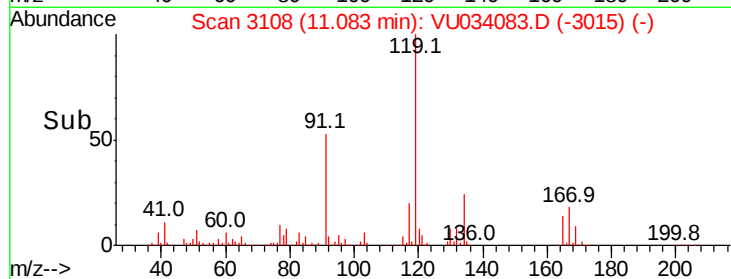
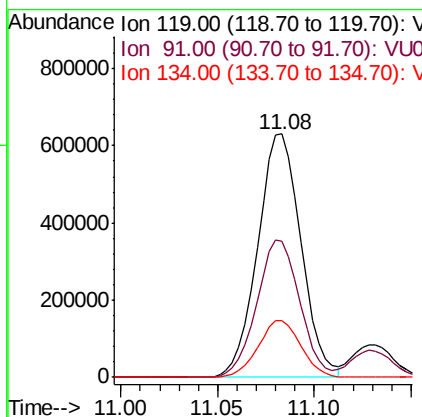
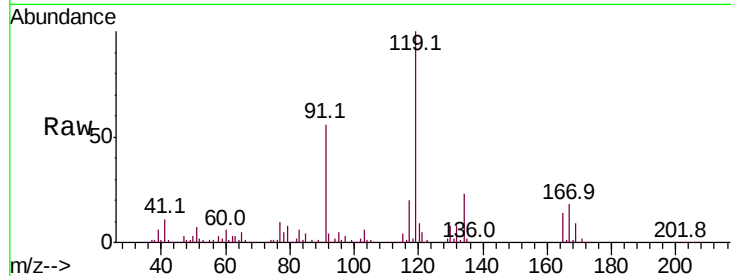
#83
tert-Butylbenzene
Concen: 49.774 ug/l
RT: 11.08 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.9	83.6
134	23.1	11.4	34.2

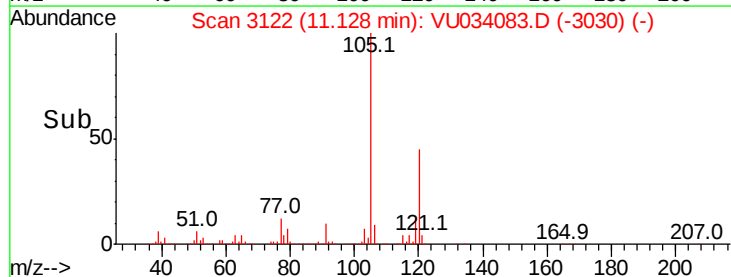
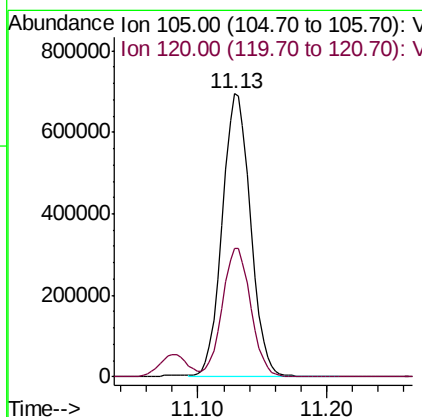
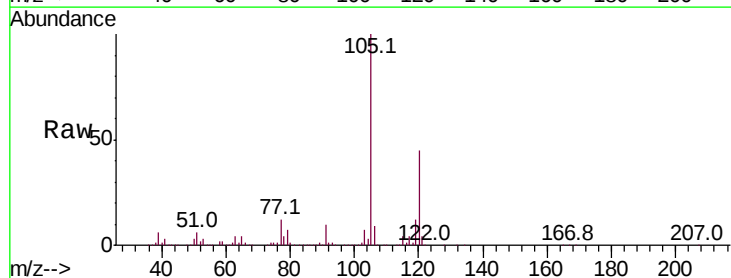
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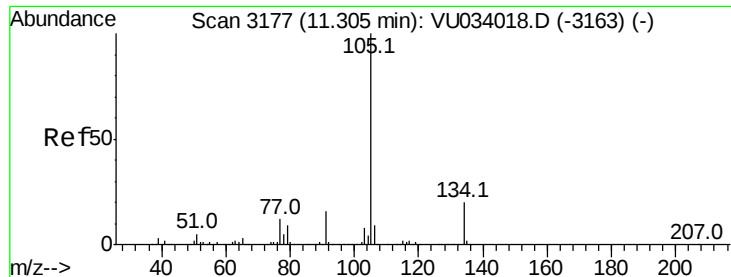
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#84
1,2,4-Trimethylbenzene
Concen: 52.990 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.044 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1207818

Ion Ratio Lower Upper

105 100

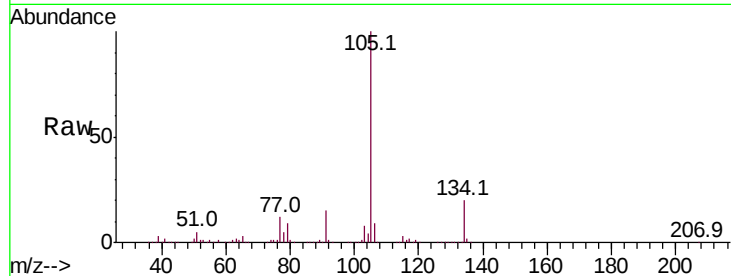
134 20.0 10.0 30.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.31

800000

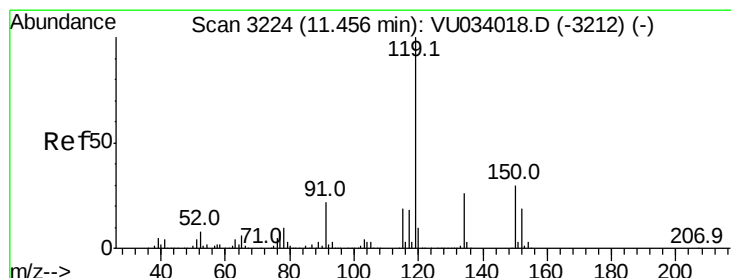
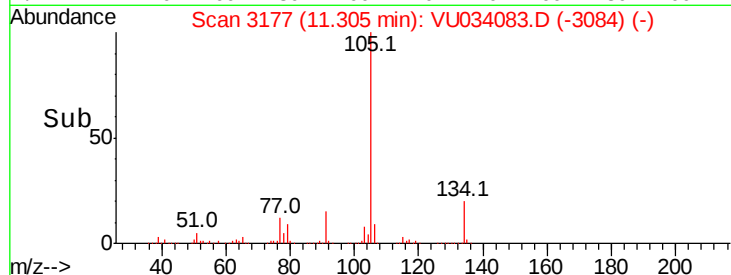
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.069 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

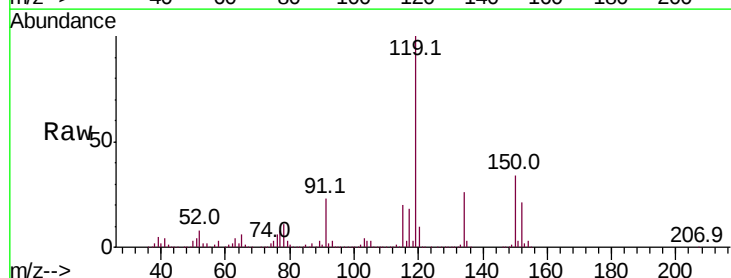
Tgt Ion:119 Resp: 1135699

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.5 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU

11.46

1000000

800000

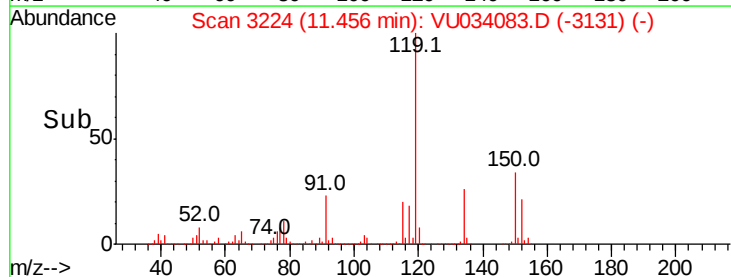
600000

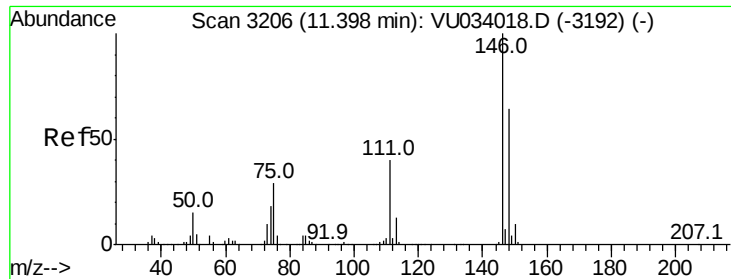
400000

200000

0

Time-->





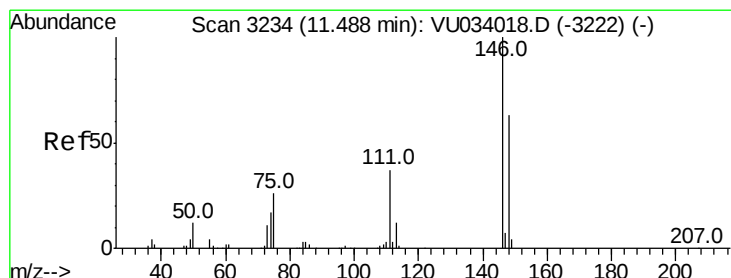
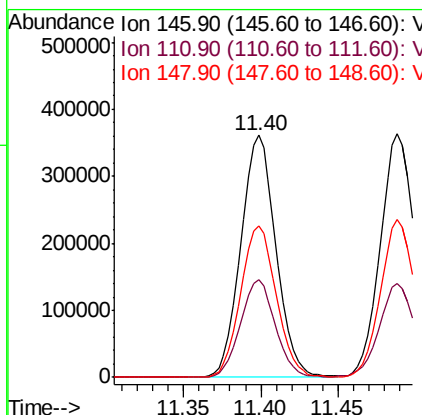
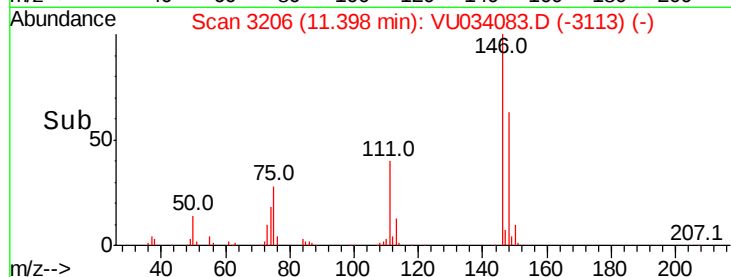
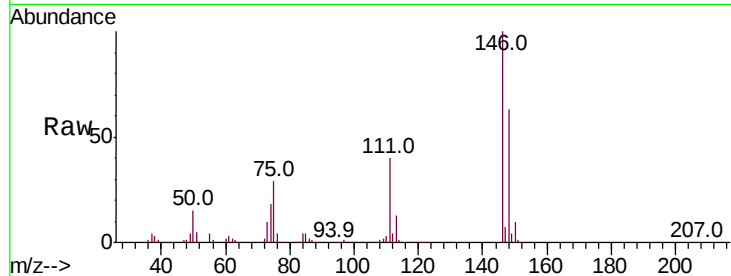
#87
 1,3-Dichlorobenzene
 Concen: 50.674 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	571021		
111	39.9	19.9	59.6	
148	63.6	31.9	95.5	

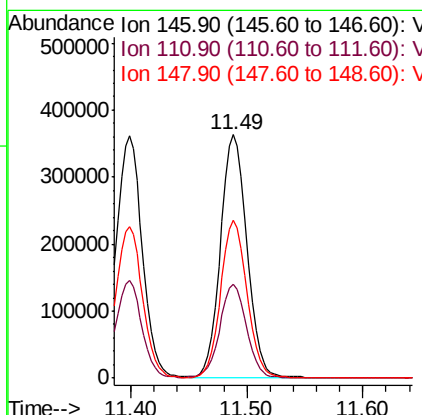
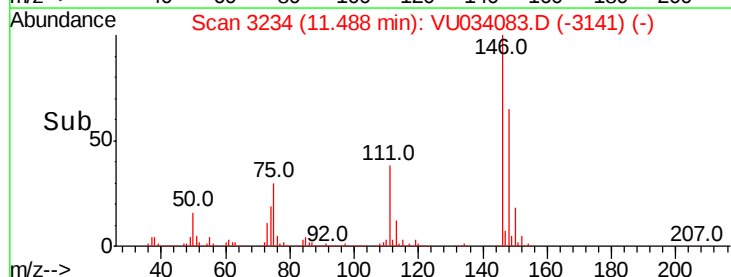
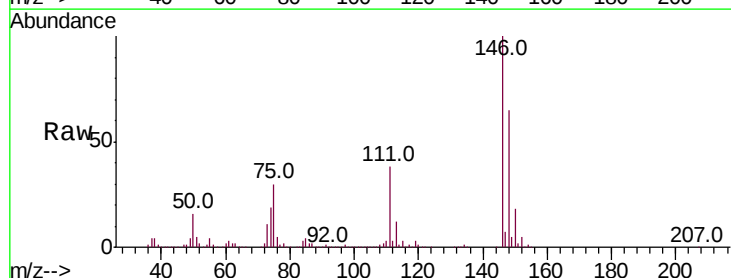
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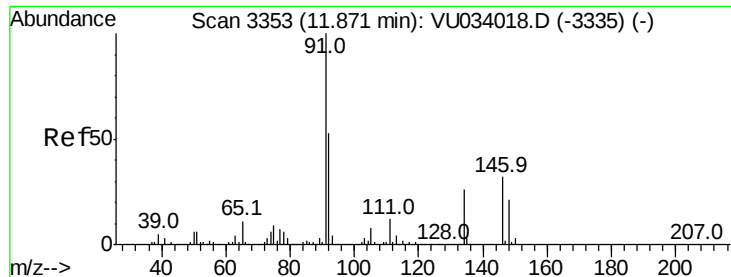
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#88
 1,4-Dichlorobenzene
 Concen: 50.390 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	574241		
111	38.8	19.2	57.6	
148	64.2	31.9	95.9	





#89

n-Butylbenzene

Concen: 54.828 ug/l

RT: 11.87 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VU034083.D

Acq: 30 Aug 2019 09:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1034495

Ion Ratio Lower Upper

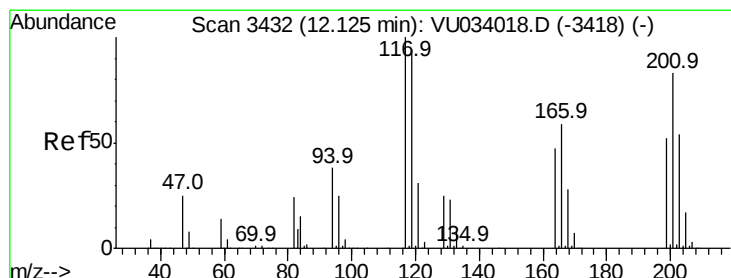
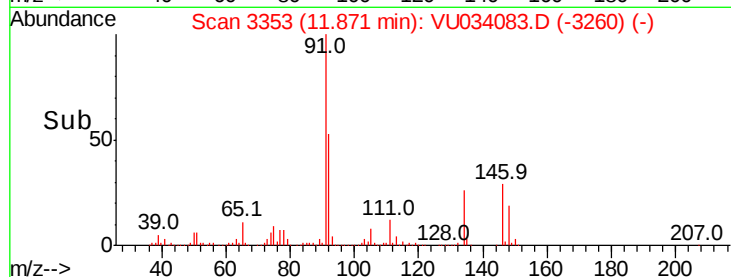
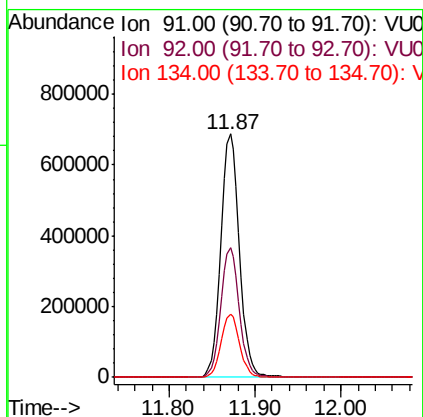
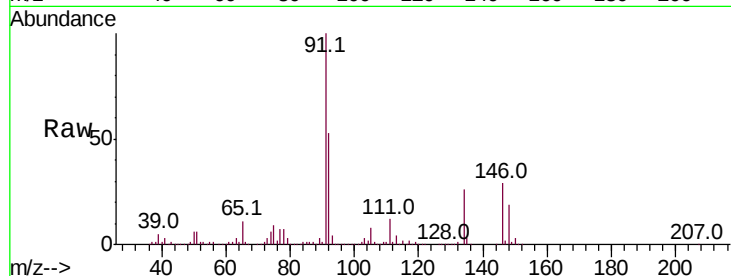
91 100

92 53.0 26.3 78.9

134 25.8 12.9 38.7

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#90

Hexachloroethane

Concen: 44.790 ug/l

RT: 12.13 min Scan# 3432

Delta R.T. 0.00 min

Lab File: VU034083.D

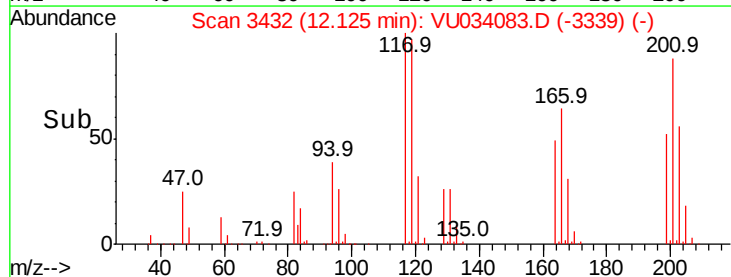
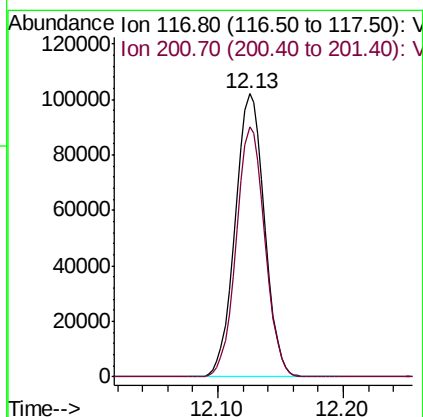
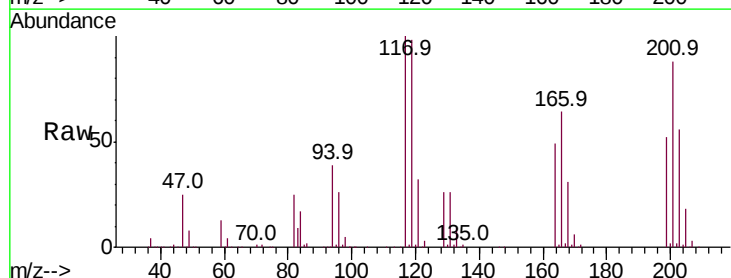
Acq: 30 Aug 2019 09:13

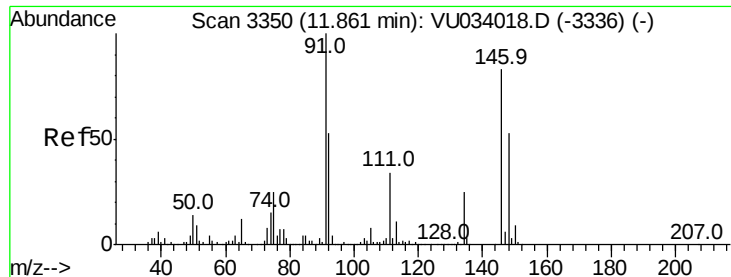
Tgt Ion: 117 Resp: 165722

Ion Ratio Lower Upper

117 100

201 86.3 42.5 127.6





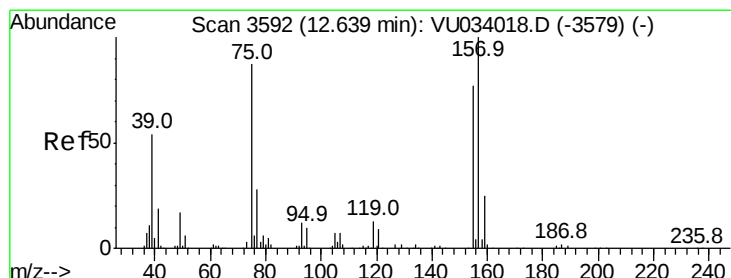
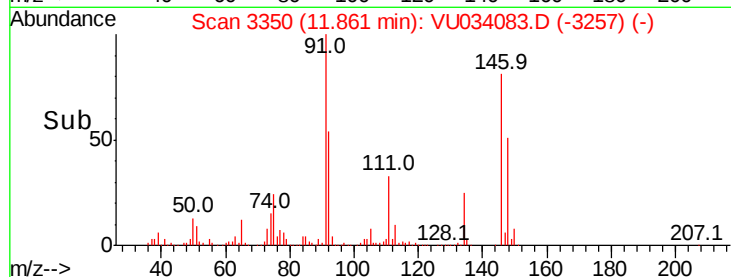
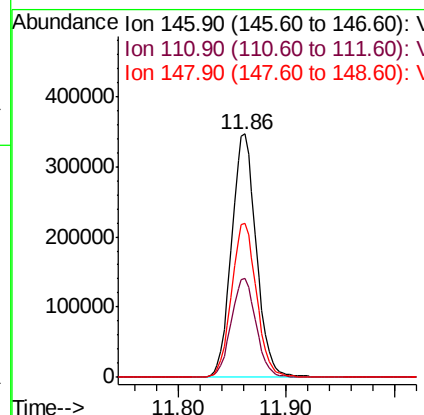
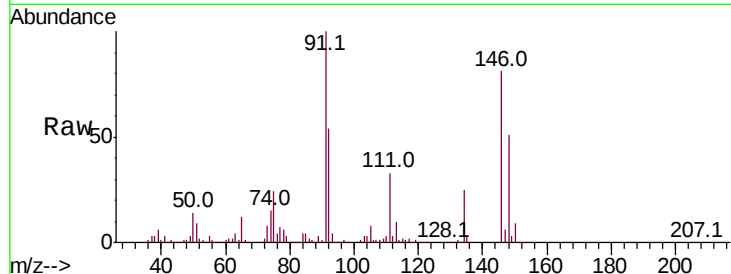
#91
 1,2-Dichlorobenzene
 Concen: 51.303 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.4	61.2
148	64.1	32.3	96.8

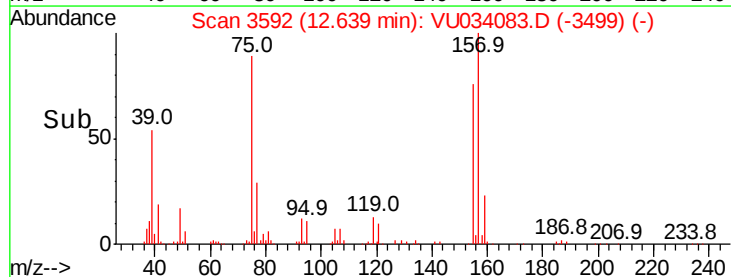
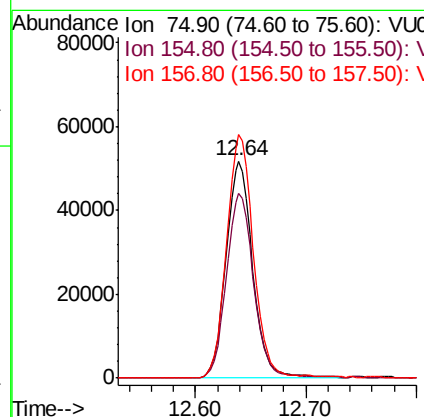
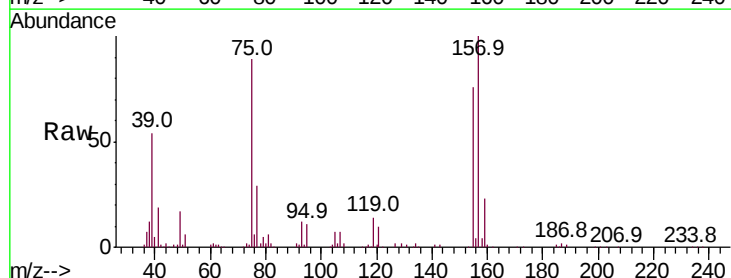
Manual Integrations
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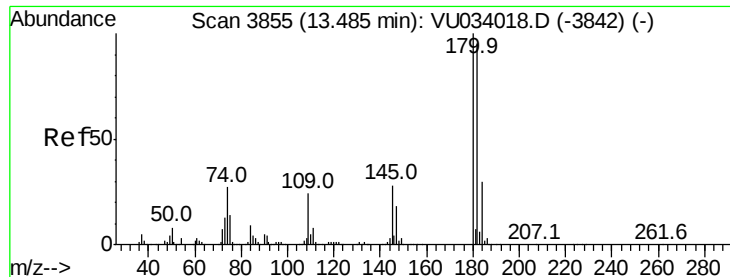
MMDadoda
 8/31/2019 11:24:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.177 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	43.5	130.7
157	111.8	56.9	170.6





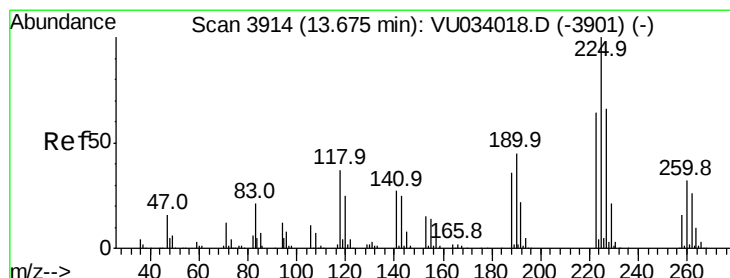
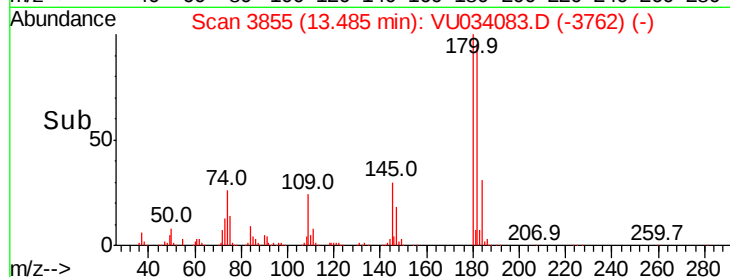
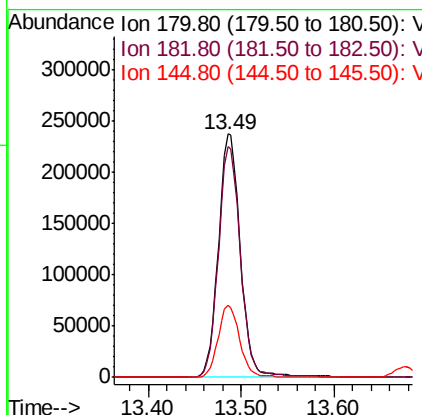
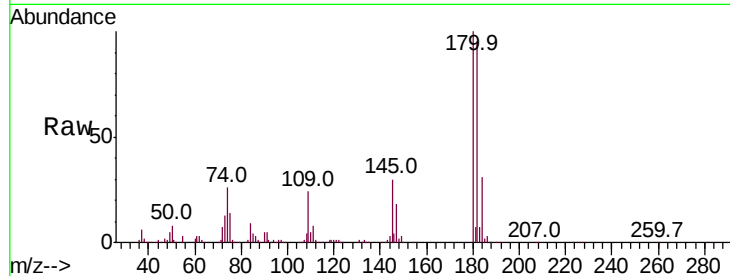
#93
 1,2,4-Trichlorobenzene
 Concen: 50.737 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.4	47.4	142.2	
145	29.3	14.1	42.3	

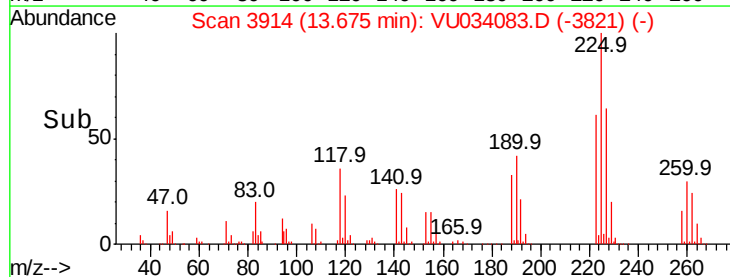
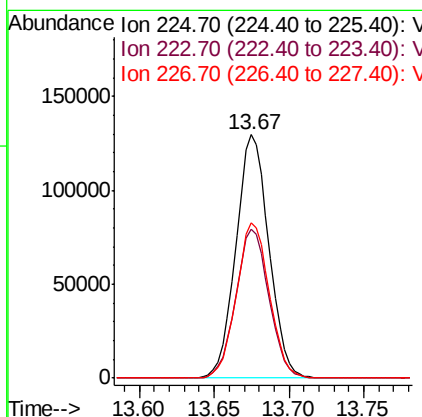
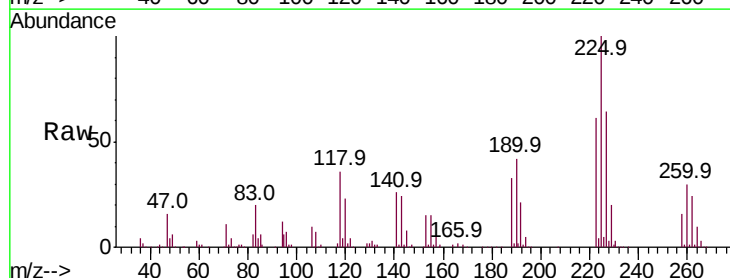
Manual Integrations
 APPROVED

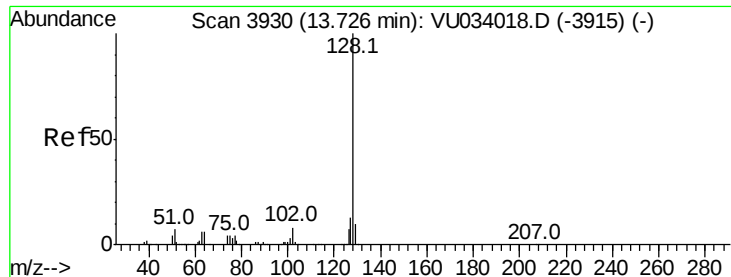
MMDadoda
 8/31/2019 11:24:30 AM



#94
 Hexachlorobutadiene
 Concen: 47.062 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034083.D
 Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.8	95.3	
227	63.8	32.6	97.8	





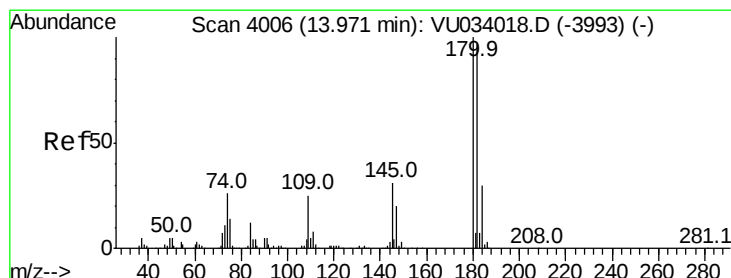
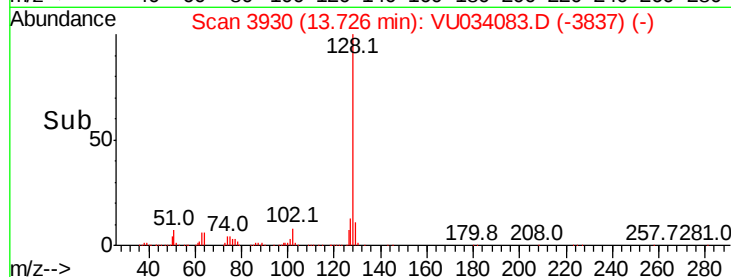
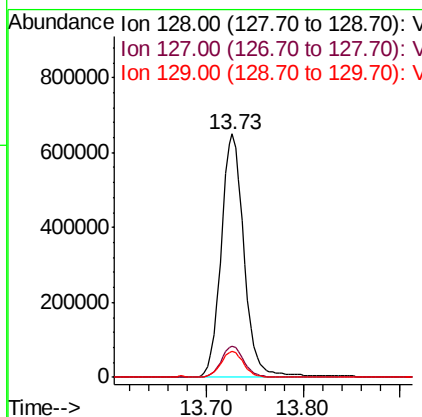
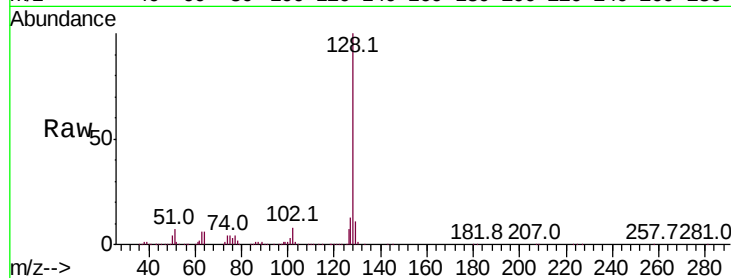
#95
Naphthalene
Concen: 48.653 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/31/2019 11:24:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.788 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034083.D
Acq: 30 Aug 2019 09:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	30.8	15.5	46.5

