

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083119\
 Data File : VU034112.D
 Acq On : 30 Aug 2019 20:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 11:25:04 AM

Quant Time: Aug 31 04:47:02 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	442530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	725626	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	689748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	367566	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	277214	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	4.86	113	236026	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
50) Toluene-d8	7.55	98	929099	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	10.29	95	356800	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	219448	49.307	ug/l	98
3) Chloromethane	1.32	50	262390	43.890	ug/l	99
4) Vinyl Chloride	1.40	62	283334	47.832	ug/l	99
5) Bromomethane	1.61	94	140677	49.251	ug/l	97
6) Chloroethane	1.69	64	170801	47.164	ug/l	99
7) Trichlorofluoromethane	1.87	101	334144	48.684	ug/l	99
8) Diethyl Ether	2.09	74	148461	50.563	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.27	101	209783	48.247	ug/l	99
10) Methyl Iodide	2.40	142	184190	29.862	ug/l	100
11) Tert butyl alcohol	2.81	59	319348	244.224	ug/l	100
12) 1,1-Dichloroethene	2.27	96	217436	49.081	ug/l	98
13) Acrolein	2.18	56	85875	156.115	ug/l	98
14) Allyl chloride	2.58	41	415433m	49.875	ug/l	
15) Acrylonitrile	2.92	53	769384	256.415	ug/l	100
16) Acetone	2.31	43	631012	218.098	ug/l	99
17) Carbon Disulfide	2.46	76	620215	44.234	ug/l	100
18) Methyl Acetate	2.60	43	360710	48.245	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	774608	53.364	ug/l	99
20) Methylene Chloride	2.69	84	264622	48.313	ug/l	97
21) trans-1,2-Dichloroethene	2.96	96	238414	49.587	ug/l	99
22) Diisopropyl ether	3.55	45	802054	52.549	ug/l	98
23) Vinyl Acetate	3.50	43	3457447	263.697	ug/l	100
24) 1,1-Dichloroethane	3.42	63	452844	50.254	ug/l	99
25) 2-Butanone	4.23	43	1024849	254.604	ug/l	100
26) 2,2-Dichloropropane	4.20	77	342178	46.667	ug/l	98
27) cis-1,2-Dichloroethene	4.20	96	275348	51.022	ug/l	98
28) Bromochloromethane	4.52	49	223625	50.371	ug/l	100
29) Tetrahydrofuran	4.61	42	657172	264.734	ug/l	99
30) Chloroform	4.65	83	434057	48.278	ug/l	98
31) Cyclohexane	4.97	56	389789	46.034	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	366028	49.709	ug/l	99
36) 1,1-Dichloropropene	5.11	75	328316	47.835	ug/l	99
37) Ethyl Acetate	4.36	43	373710	48.623	ug/l	99
38) Carbon Tetrachloride	5.11	117	312933	47.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	349583	43.214	ug/l	99
40) Benzene	5.37	78	1003581	48.329	ug/l	100
41) Methacrylonitrile	4.52	41	203026	51.507	ug/l	99
42) 1,2-Dichloroethane	5.38	62	336778	46.965	ug/l	98
43) Isopropyl Acetate	5.53	43	588269	50.310	ug/l	100
44) Trichloroethene	6.16	130	270368	49.581	ug/l	99
45) 1,2-Dichloropropane	6.41	63	278600	48.738	ug/l	100
46) Dibromomethane	6.54	93	177606	48.226	ug/l	99
47) Bromodichloromethane	6.74	83	345998	48.020	ug/l	99
48) Methyl methacrylate	6.60	41	284418	50.407	ug/l	98
49) 1,4-Dioxane	6.59	88	128505	908.968	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1966554	243.530	ug/l	99
52) Toluene	7.62	92	639871	50.021	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	388674	48.615	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	431607	49.414	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	253518	46.853	ug/l	99
56) Ethyl methacrylate	8.00	69	415337	46.348	ug/l	99
57) 1,3-Dichloropropane	8.22	76	446201	48.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	765986	255.883	ug/l	100
59) 2-Hexanone	8.34	43	1503397	246.618	ug/l	99
60) Dibromochloromethane	8.46	129	277940	47.852	ug/l	99
61) 1,2-Dibromoethane	8.57	107	273223	47.934	ug/l	99
64) Tetrachloroethene	8.21	164	232515	50.196	ug/l	99
65) Chlorobenzene	9.10	112	699195	49.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	248767	48.332	ug/l	98
67) Ethyl Benzene	9.23	91	1222931	50.826	ug/l	100
68) m/p-Xylenes	9.36	106	935894	102.294	ug/l	99
69) o-Xylene	9.76	106	447082	50.935	ug/l	99
70) Styrene	9.77	104	799632	53.131	ug/l	99
71) Bromoform	9.94	173	212378	47.491	ug/l #	99
73) Isopropylbenzene	10.15	105	1192659	48.307	ug/l	100
74) N-amyl acetate	10.00	43	540952	52.095	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	432877	45.808	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	377244m	45.537	ug/l	
77) Bromobenzene	10.43	156	316877	47.712	ug/l	99
78) n-propylbenzene	10.57	91	1373610	47.773	ug/l	99
79) 2-Chlorotoluene	10.64	91	825377	47.858	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	1002671	47.916	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	109456m	44.490	ug/l	
82) 4-Chlorotoluene	10.75	91	966192	48.713	ug/l	100
83) tert-Butylbenzene	11.08	119	945758	45.911	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	1016639	48.927	ug/l	99
85) sec-Butylbenzene	11.31	105	1096438	44.409	ug/l	100
86) p-Isopropyltoluene	11.46	119	1022503	45.791	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	567417	48.259	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	569381	47.884	ug/l	99
89) n-Butylbenzene	11.87	91	888597	45.135	ug/l	99
90) Hexachloroethane	12.13	117	148320	38.418	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	553397	49.134	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	92311	49.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	370183	46.292	ug/l	98
94) Hexachlorobutadiene	13.68	225	161223	36.591	ug/l	99
95) Naphthalene	13.73	128	1182769	51.497	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	364902	50.575	ug/l	100

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

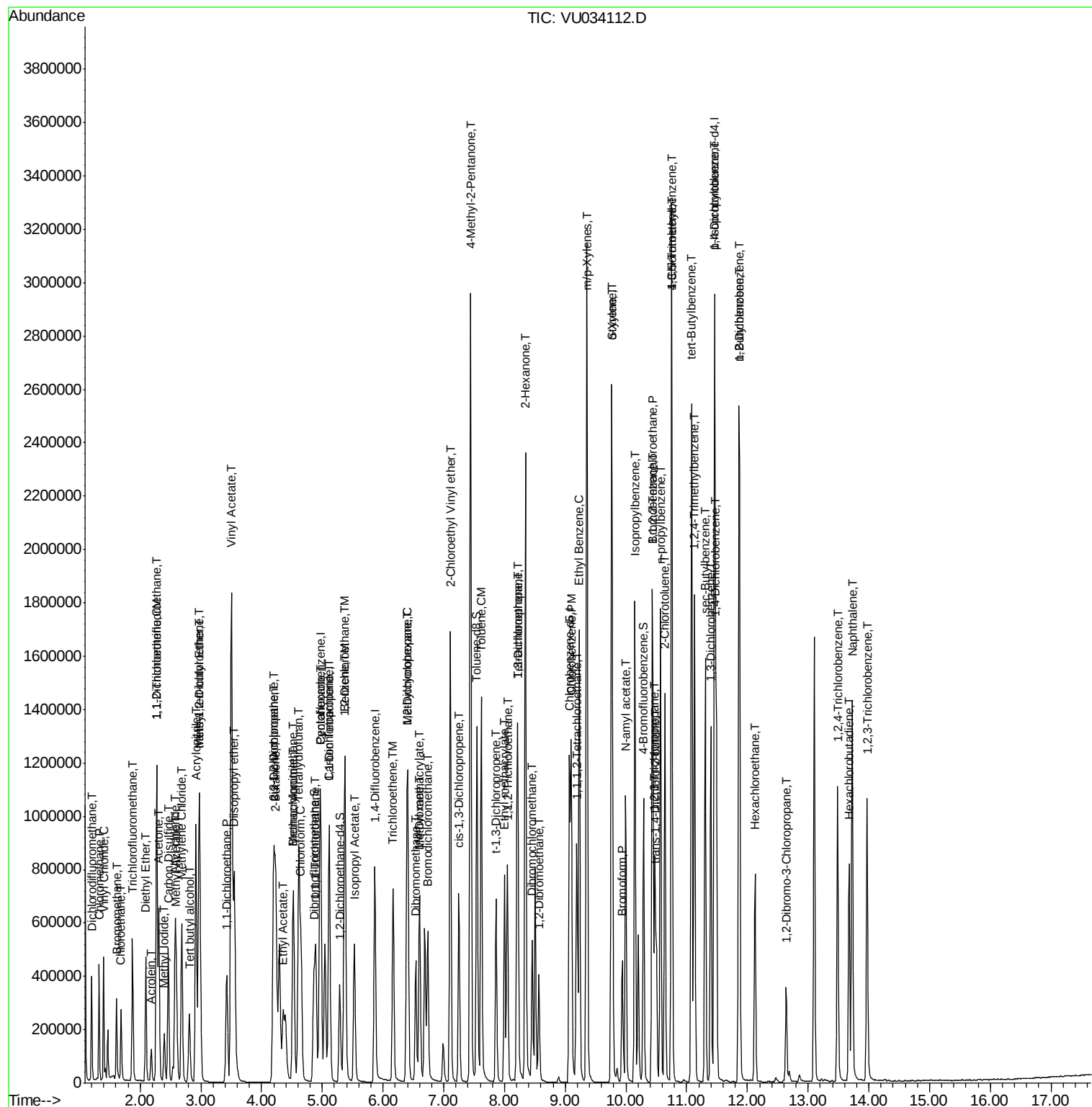
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Data File : VU034112.D
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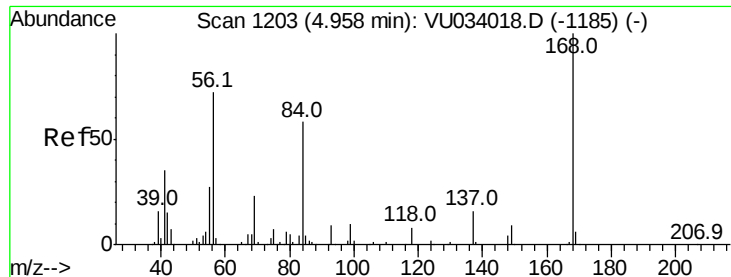
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 442530

Ion Ratio Lower Upper

168 100

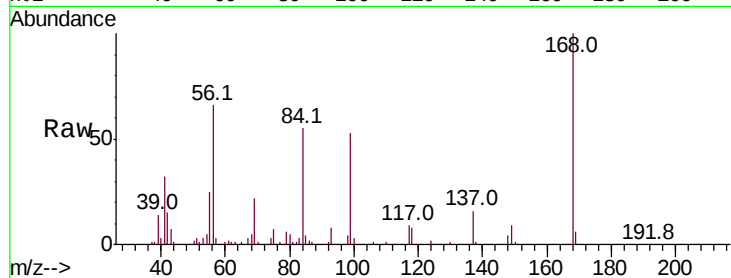
99 51.9 42.3 63.5

Manual Integrations

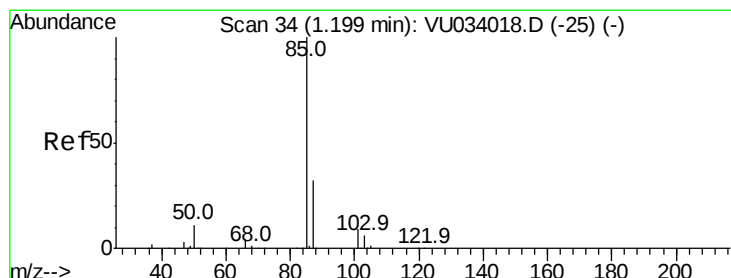
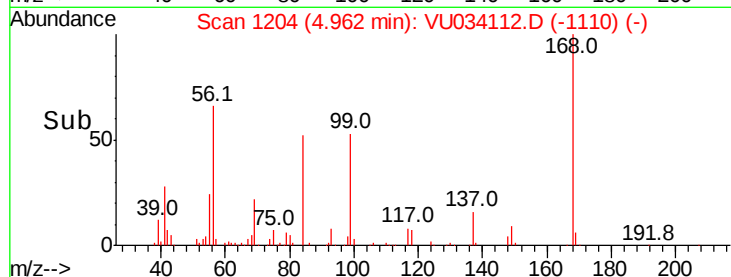
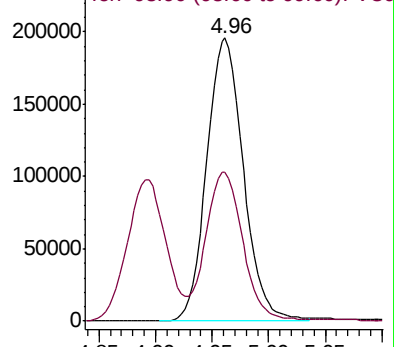
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Abundance Ion 167.90 (167.60 to 168.60): VU034018.D (-1185) (-)



#2

Dichlorodifluoromethane

Concen: 49.307 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034112.D

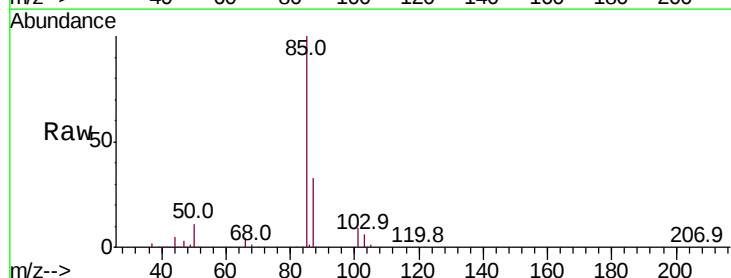
Acq: 30 Aug 2019 20:33

Tgt Ion: 85 Resp: 219448

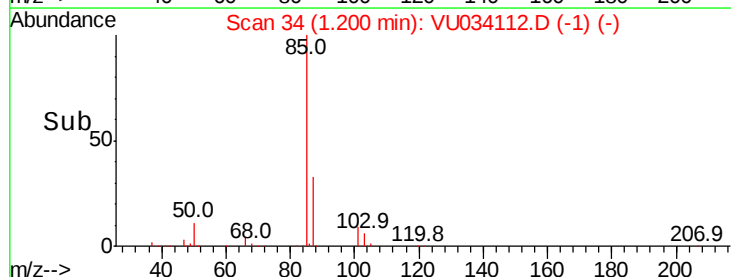
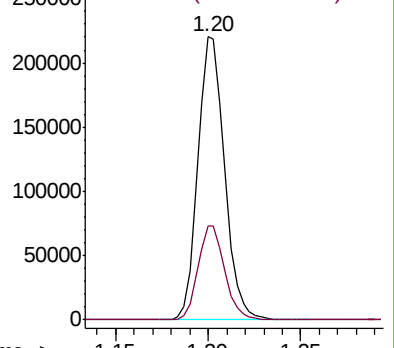
Ion Ratio Lower Upper

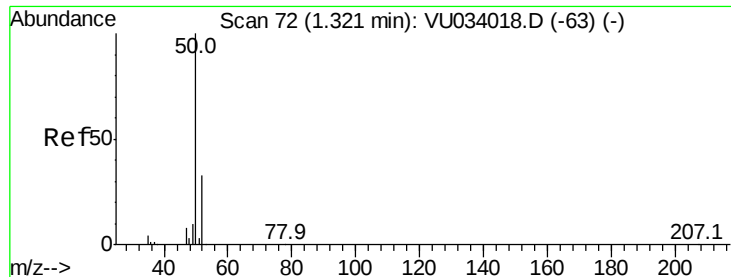
85 100

87 33.2 16.1 48.3



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





#3

Chloromethane

Concen: 43.890 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 262390

Ion Ratio Lower Upper

50 100

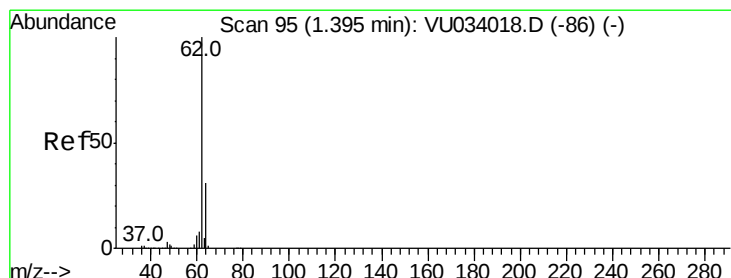
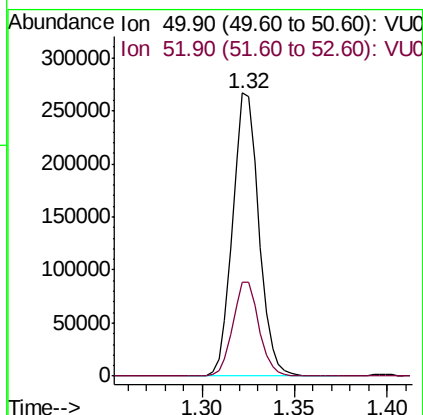
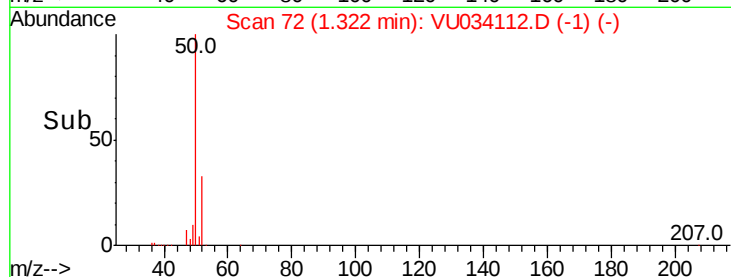
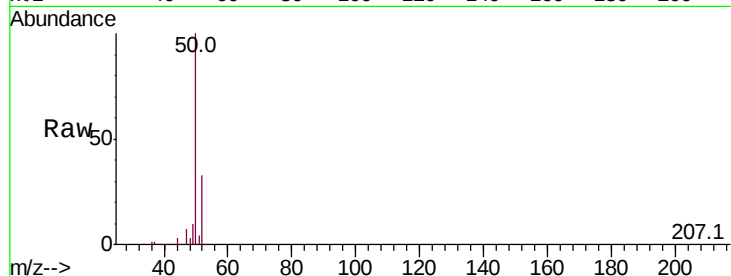
52 33.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.832 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034112.D

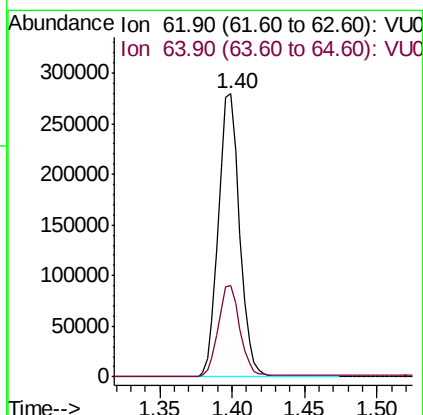
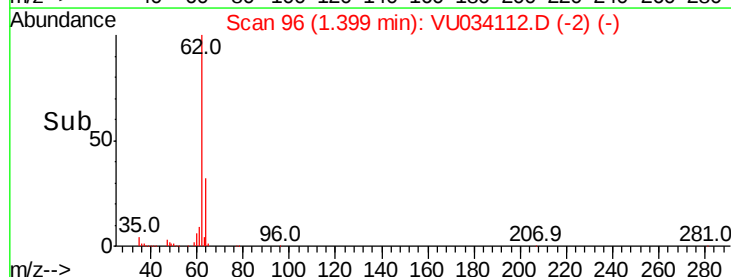
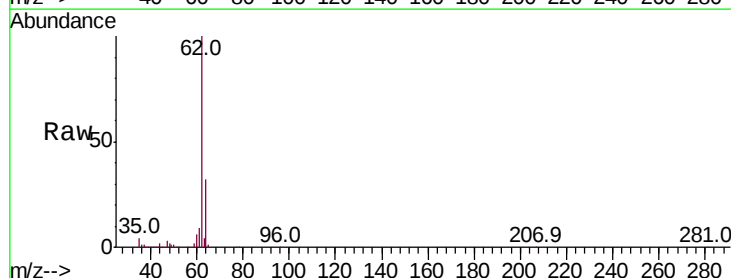
Acq: 30 Aug 2019 20:33

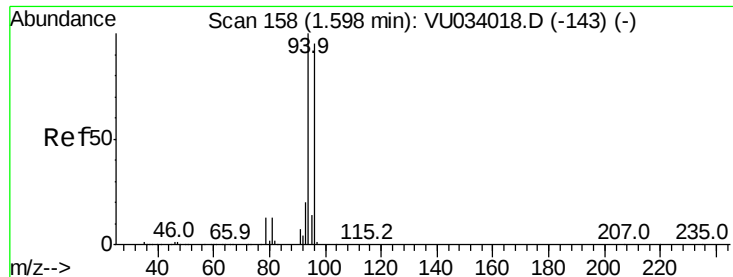
Tgt Ion: 62 Resp: 283334

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6





#5

Bromomethane

Concen: 49.251 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 140677

Ion Ratio Lower Upper

94 100

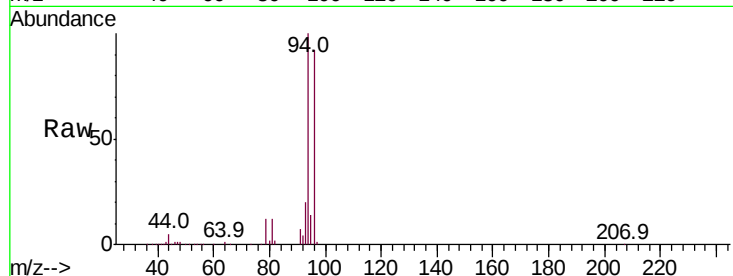
96 92.1 76.3 114.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034018.D (-143) (-)

1.61

120000

100000

80000

60000

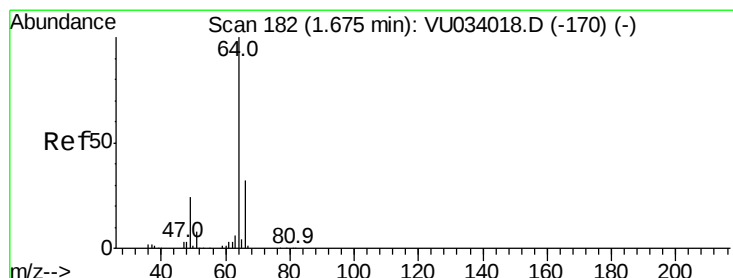
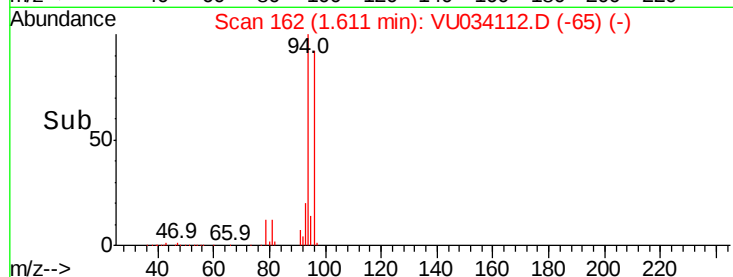
40000

20000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 47.164 ug/l

RT: 1.69 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034112.D

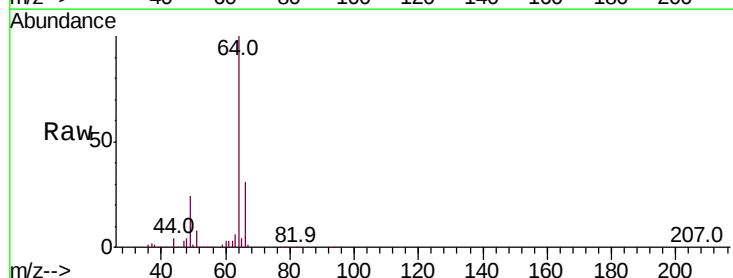
Acq: 30 Aug 2019 20:33

Tgt Ion: 64 Resp: 170801

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034018.D (-170) (-)

1.69

150000

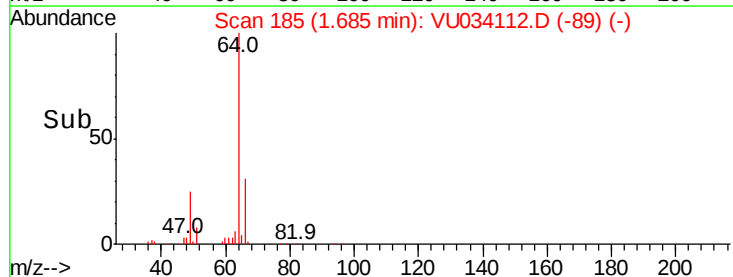
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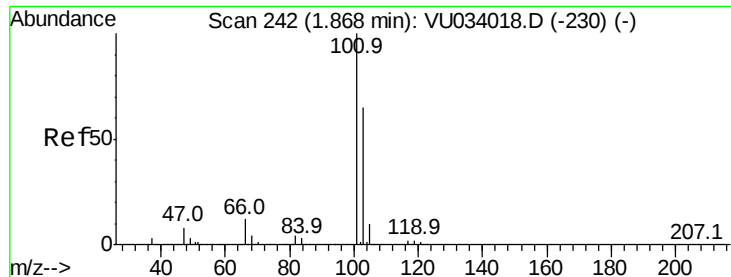
50000

0

1.60 1.65 1.70 1.75

Time-->





#7

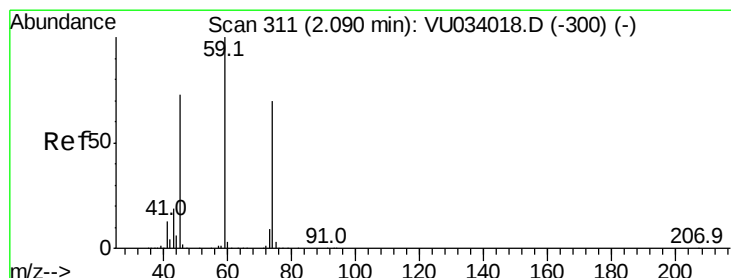
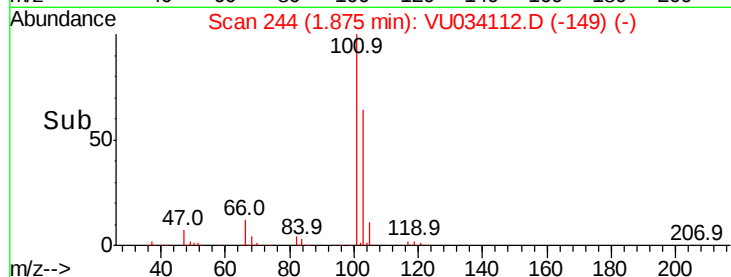
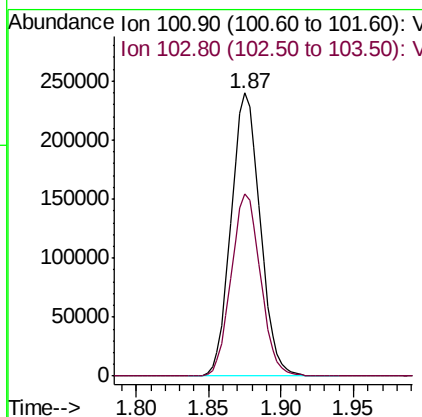
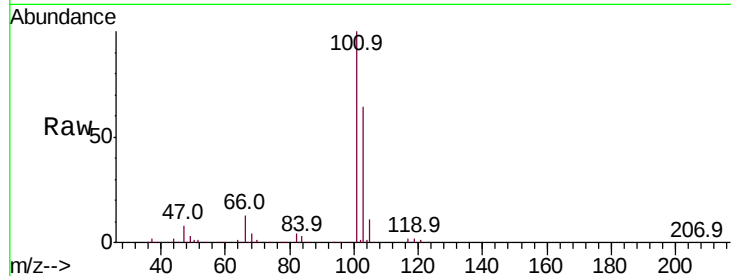
Trichlorofluoromethane
Concen: 48.684 ug/l
RT: 1.87 min Scan# 244
Delta R.T. 0.01 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

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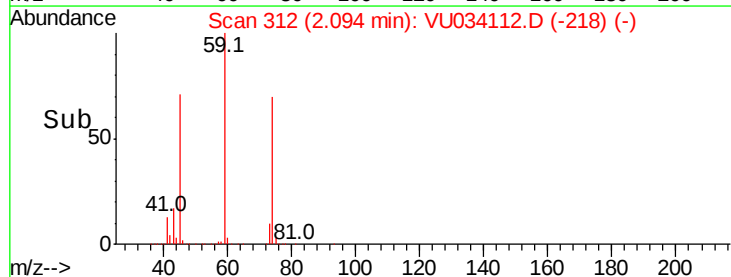
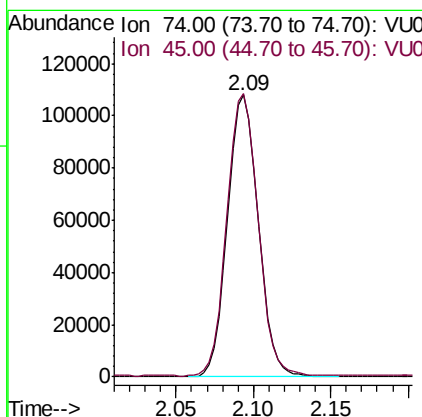
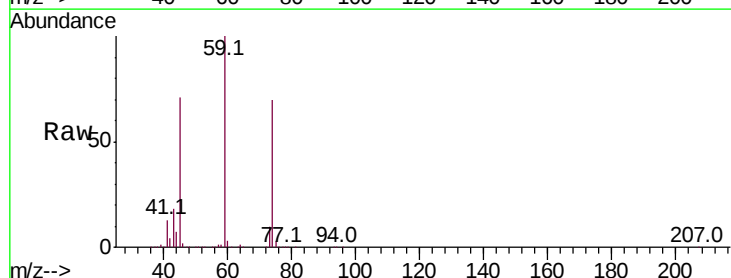
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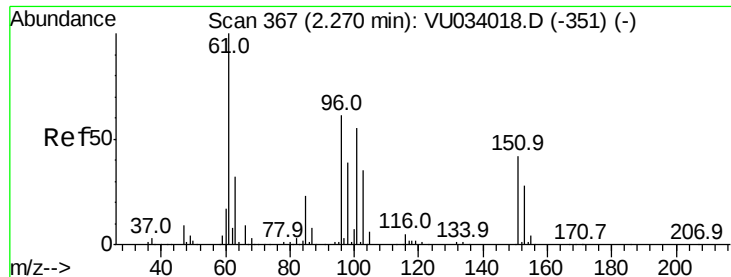


#8

Diethyl Ether
Concen: 50.563 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	51.8	155.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.247 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

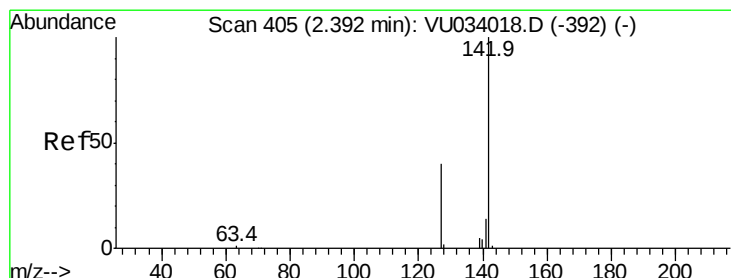
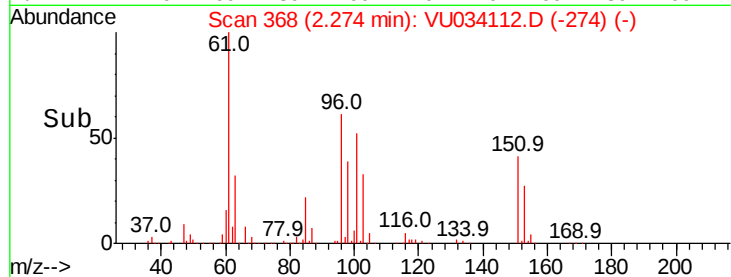
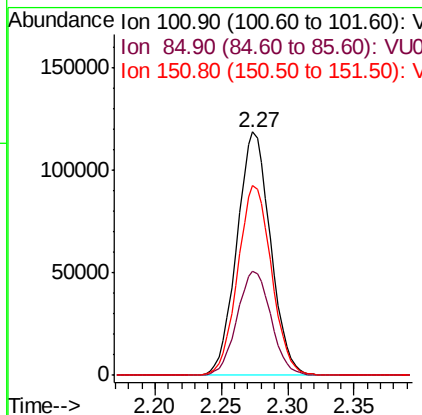
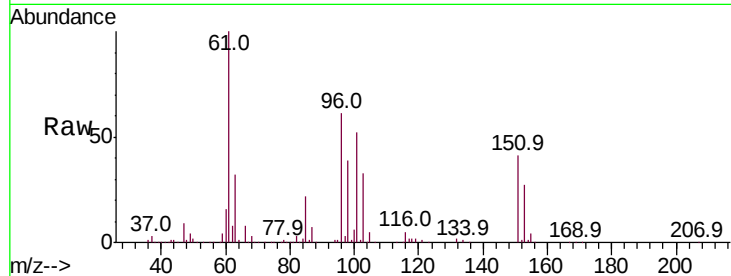
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	209783
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	78.1	61.4	92.2

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#10

Methyl Iodide

Concen: 29.862 ug/l

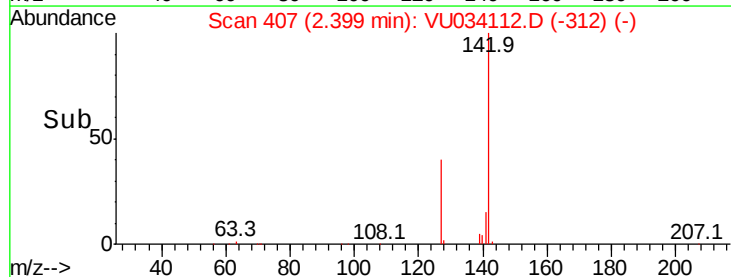
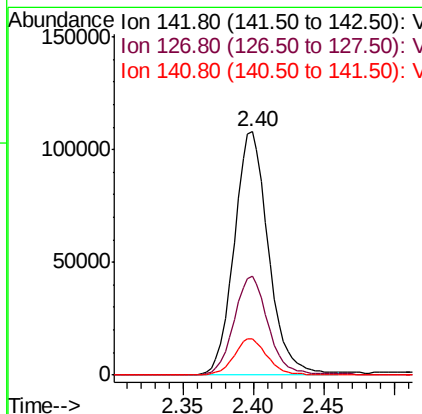
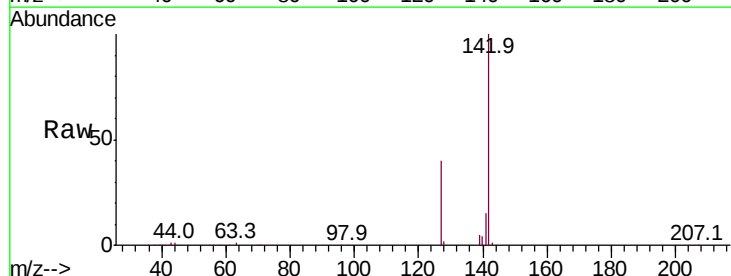
RT: 2.40 min Scan# 407

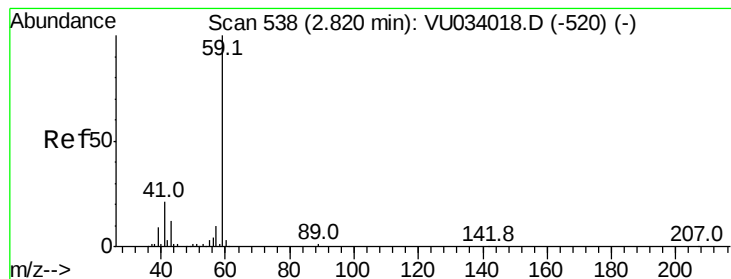
Delta R.T. 0.01 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	142	Resp:	184190
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.6	48.8
141	14.6	11.3	16.9





#11

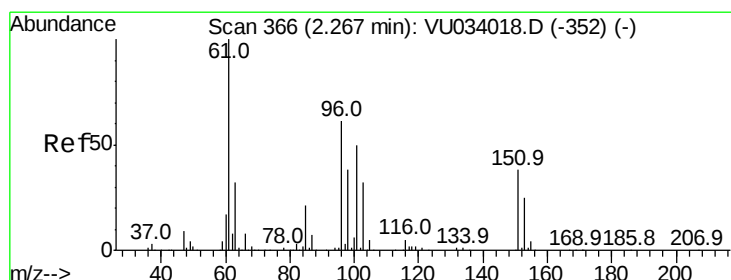
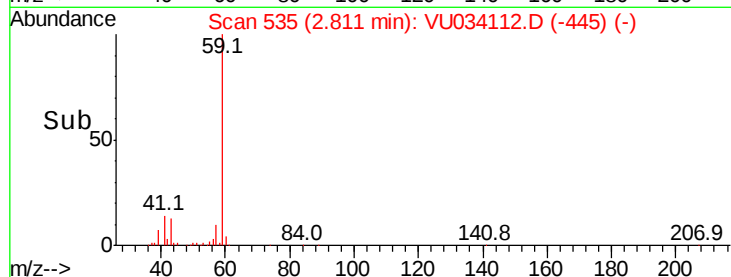
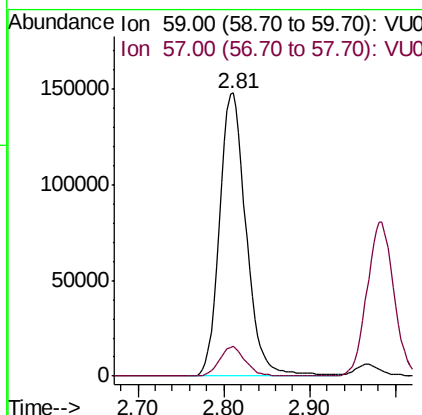
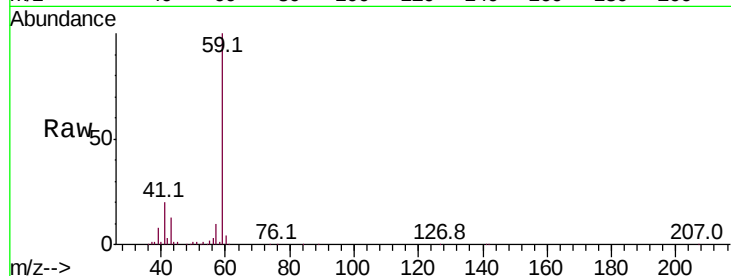
Tert butyl alcohol
 Concen: 244.224 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

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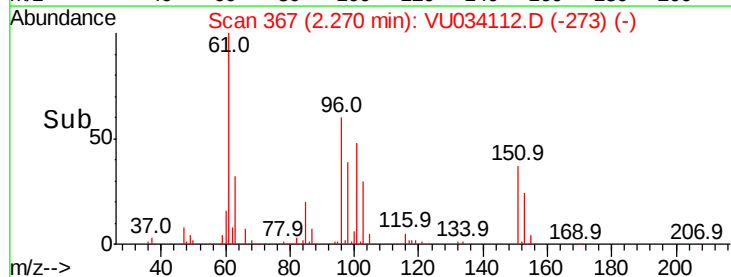
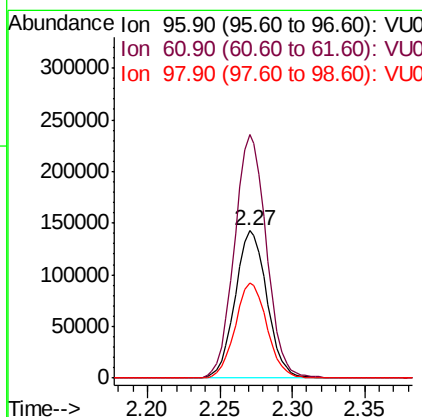
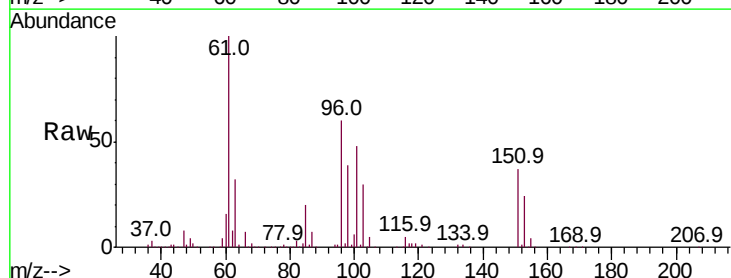
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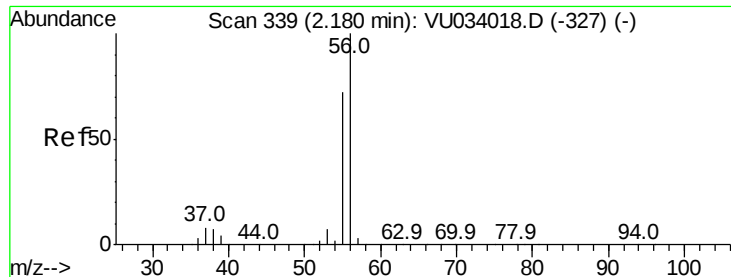


#12

1,1-Dichloroethene
 Concen: 49.081 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	131.3	196.9
98	64.9	50.3	75.5





#13

Acrolein

Concen: 156.115 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 85875

Ion Ratio Lower Upper

56 100

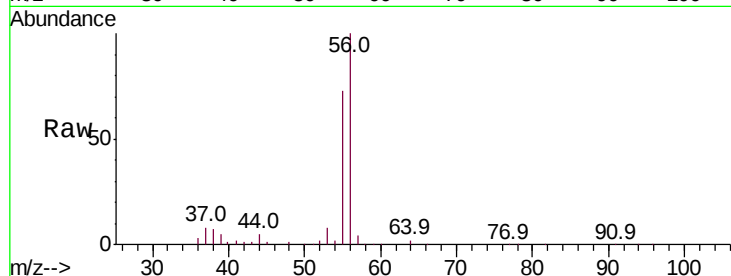
55 69.6 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VU034112.D (-340) (-)

Ion 55.00 (54.70 to 55.70): VU034112.D (-340) (-)

2.18

60000

50000

40000

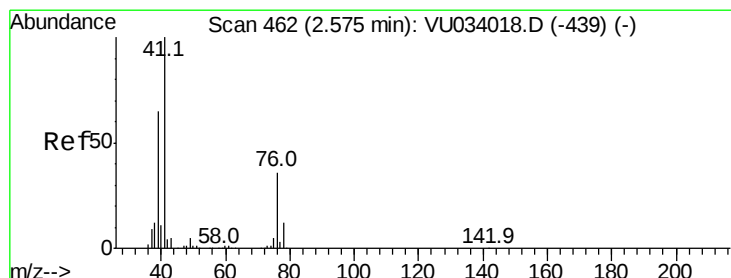
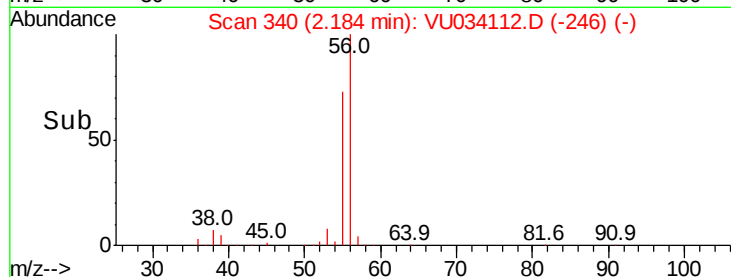
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 49.875 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

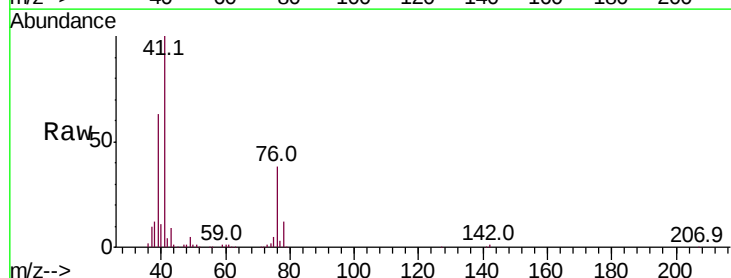
Tgt Ion: 41 Resp: 415433

Ion Ratio Lower Upper

41 100

39 56.9 46.8 70.2

76 33.2 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VU034112.D (-463) (-)

Ion 39.00 (38.70 to 39.70): VU034112.D (-463) (-)

Ion 75.90 (75.60 to 76.60): VU034112.D (-463) (-)

500000

400000

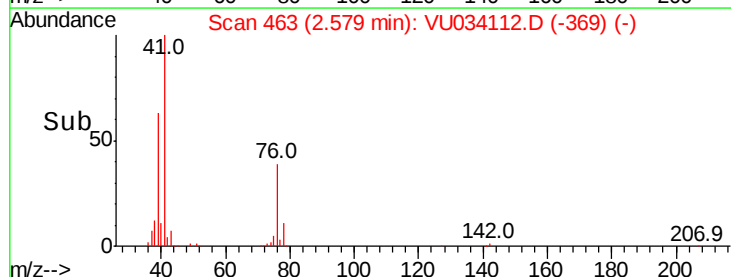
300000

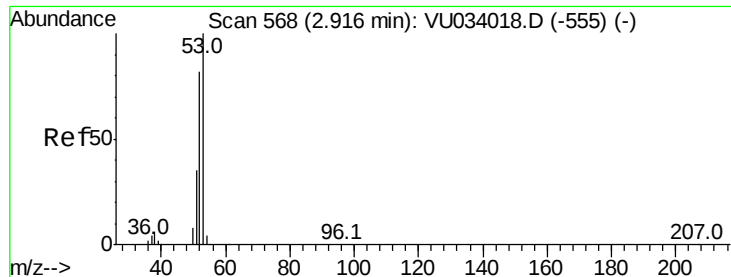
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 256.415 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

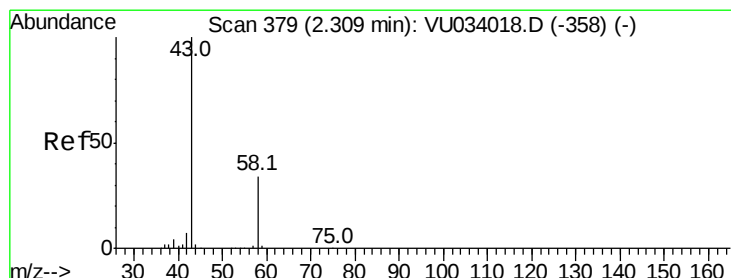
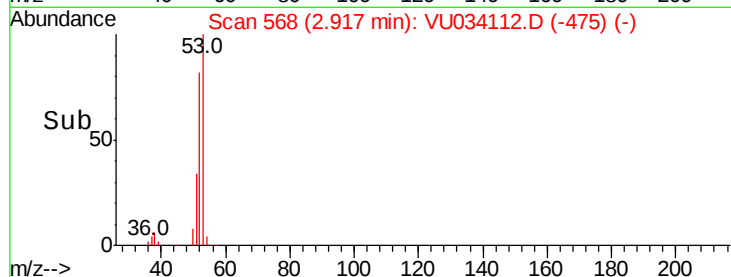
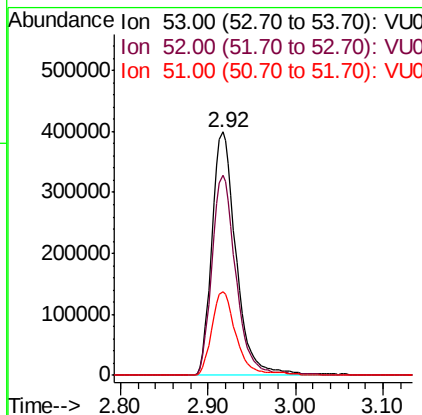
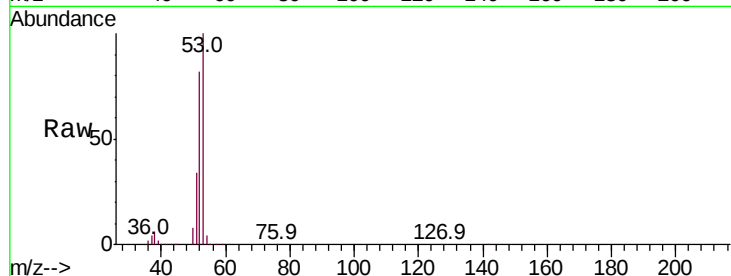
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	769384
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.7	98.5
51	34.8	27.9	41.9

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#16

Acetone

Concen: 218.098 ug/l

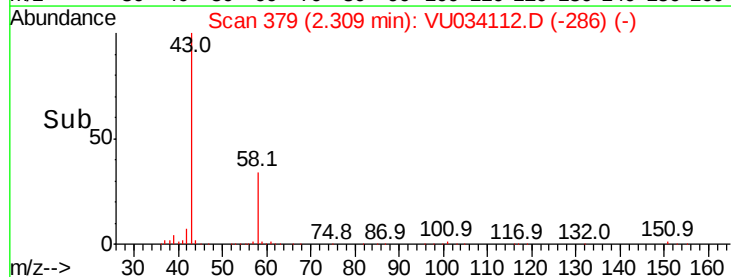
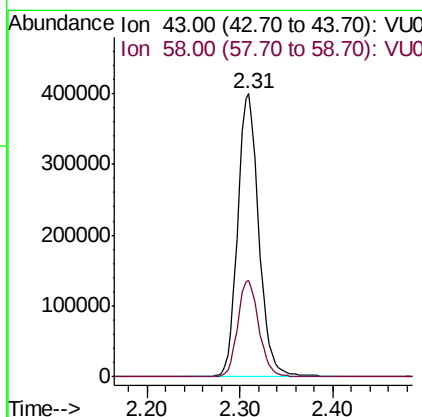
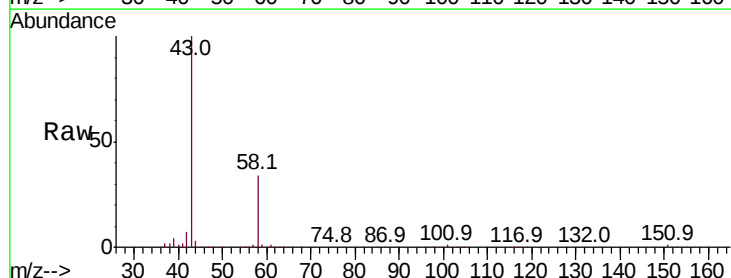
RT: 2.31 min Scan# 379

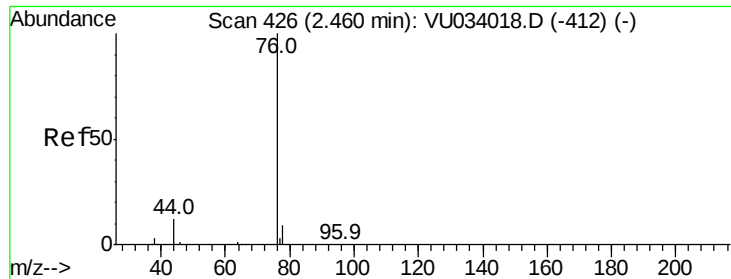
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	43	Resp:	631012
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.8	40.2





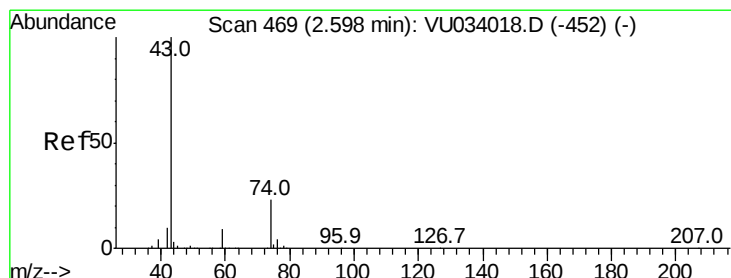
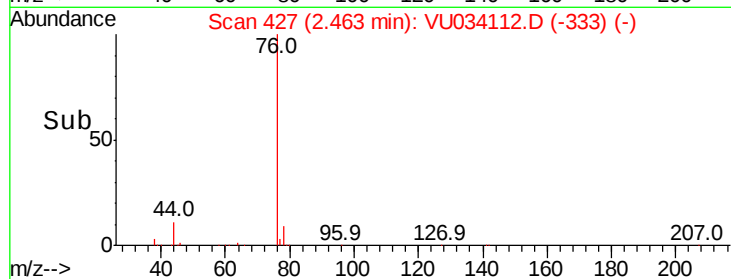
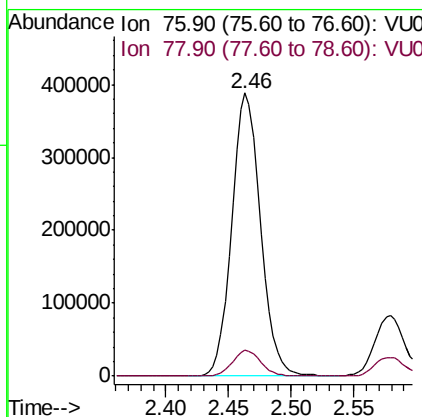
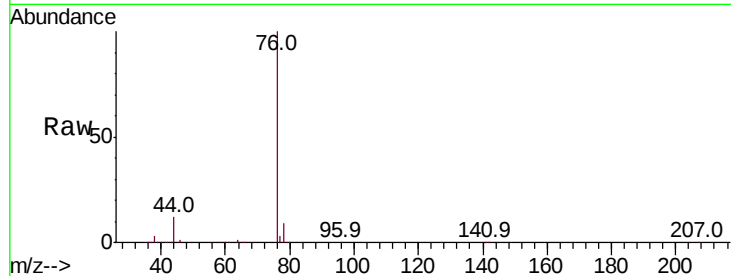
#17
Carbon Disulfide
Concen: 44.234 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

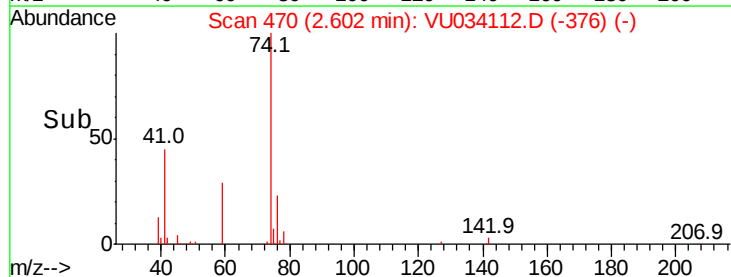
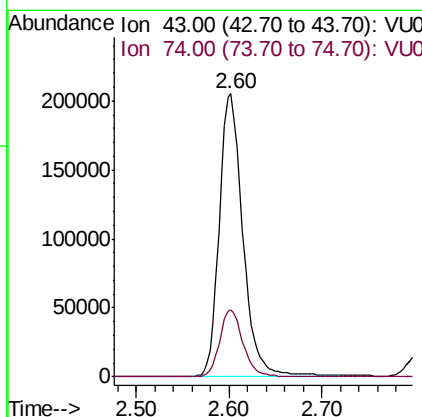
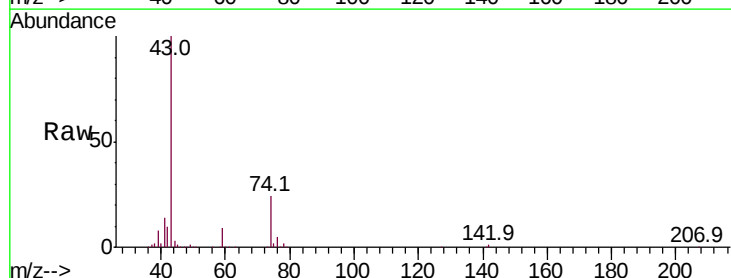
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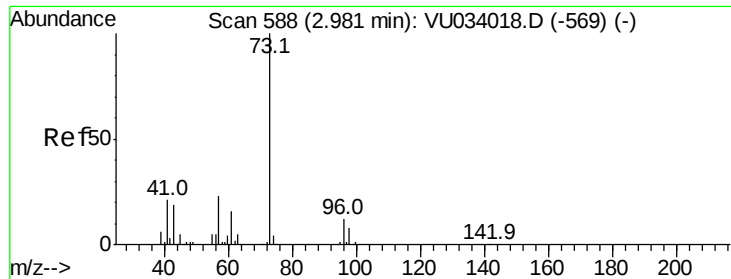
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#18
Methyl Acetate
Concen: 48.245 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





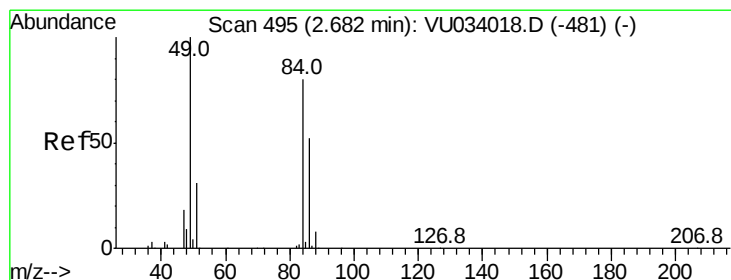
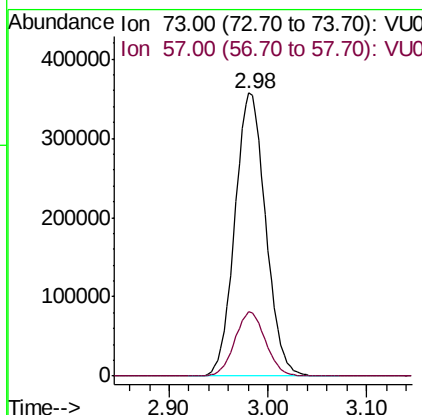
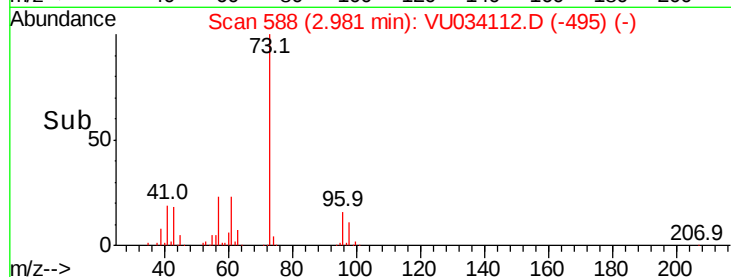
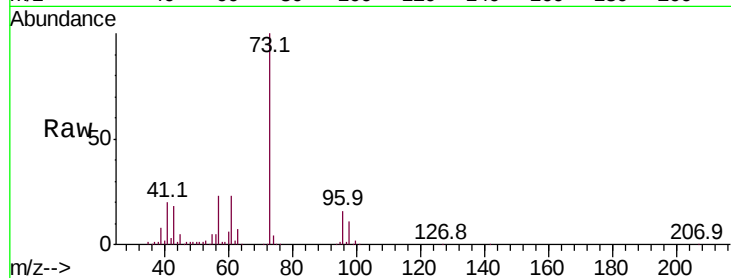
#19
Methvl tert-butvl Ether
Concen: 53.364 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 774608
Ion Ratio Lower Upper
73 100
57 22.6 18.3 27.5

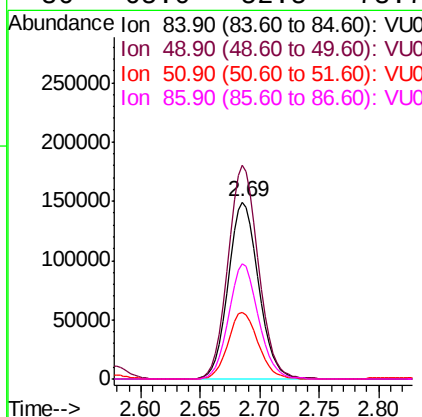
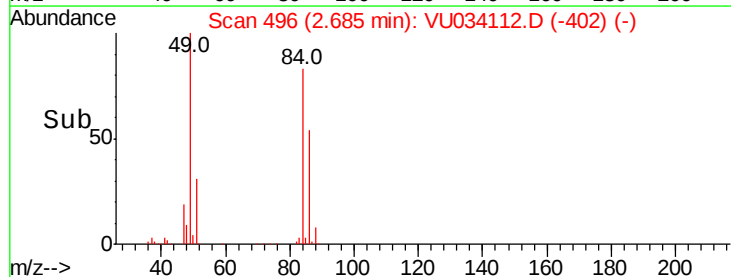
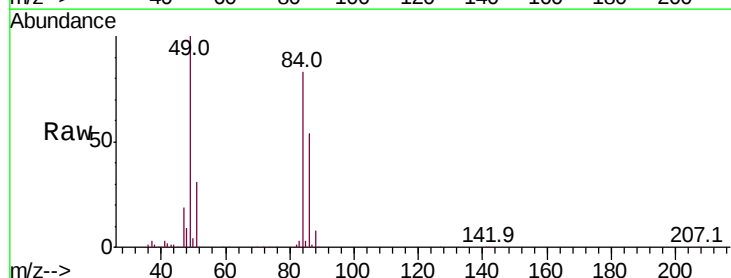
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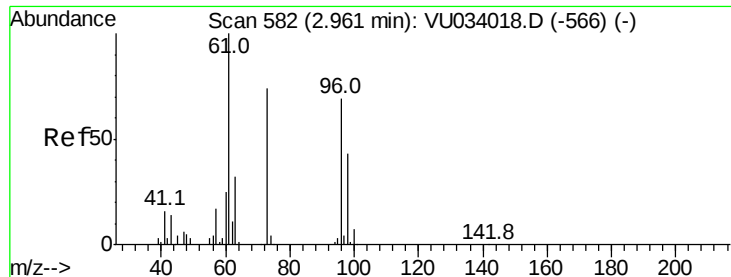
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#20
Methylene Chloride
Concen: 48.313 ug/l
RT: 2.69 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion: 84 Resp: 264622
Ion Ratio Lower Upper
84 100
49 120.5 100.2 150.4
51 37.9 30.8 46.2
86 65.0 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 49.587 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

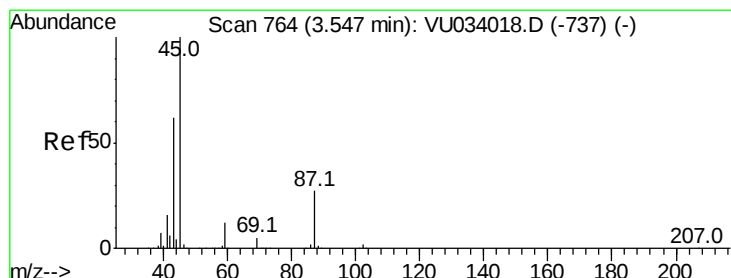
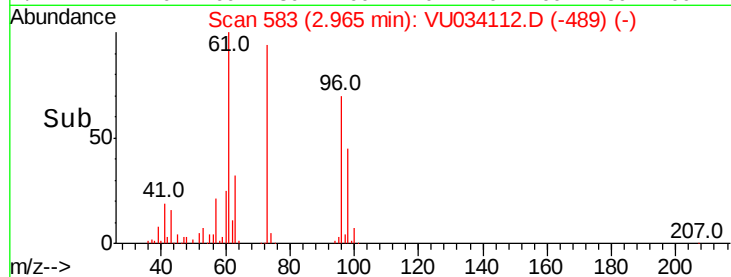
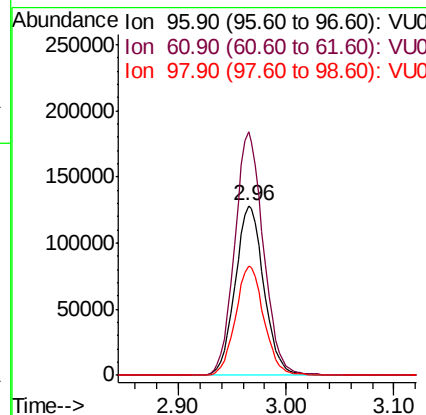
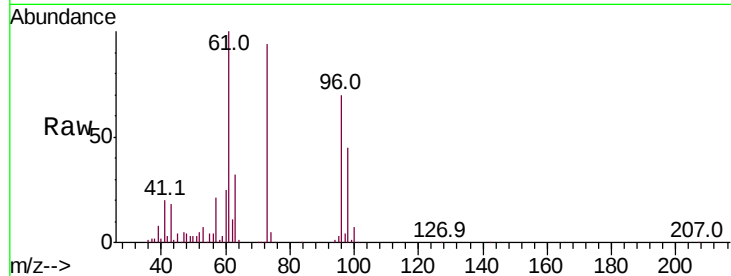
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	238414
Ion Ratio	Lower	Upper	
96	100		
61	143.4	115.5	173.3
98	64.2	50.1	75.1

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#22

Diisopropyl ether

Concen: 52.549 ug/l

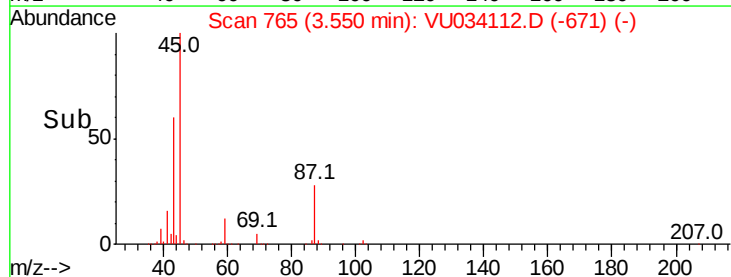
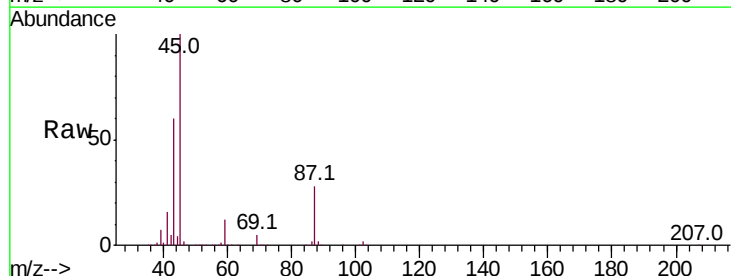
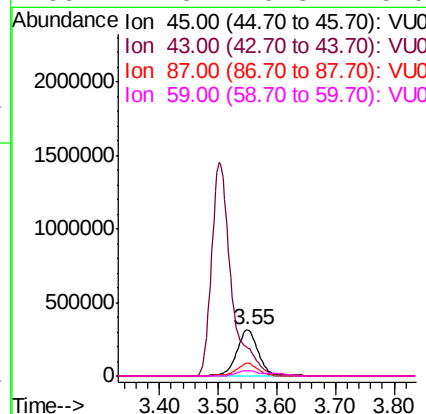
RT: 3.55 min Scan# 765

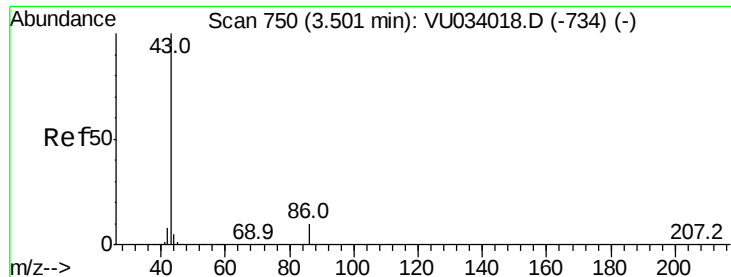
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	45	Resp:	802054
Ion Ratio	Lower	Upper	
45	100		
43	60.4	49.7	74.5
87	27.7	21.8	32.8
59	11.8	9.3	13.9





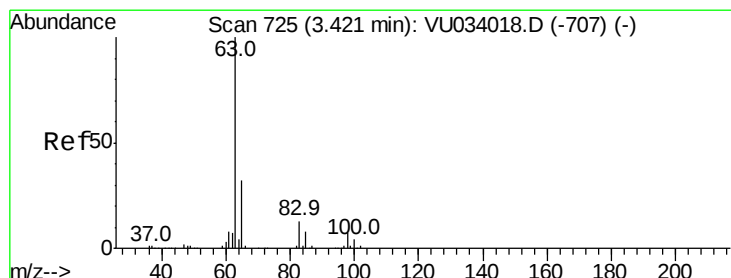
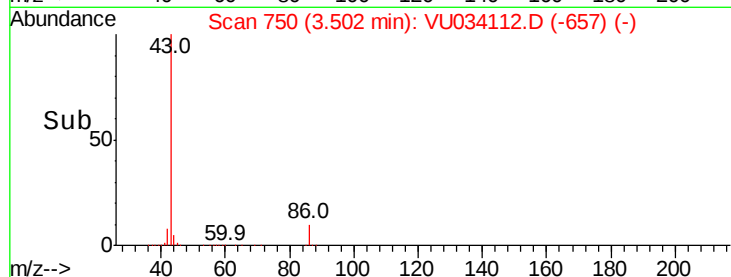
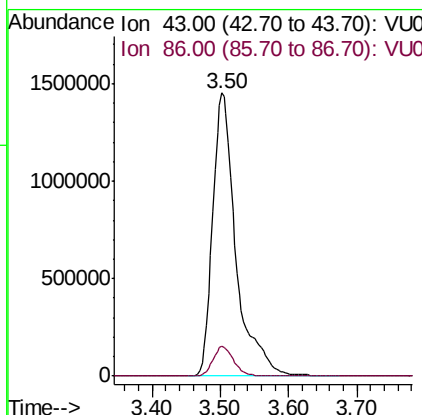
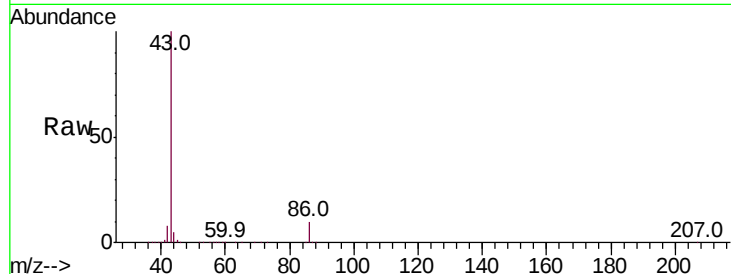
#23
 Vinyl Acetate
 Concen: 263.697 ug/l
 RT: 3.50 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3457447
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.3 12.5

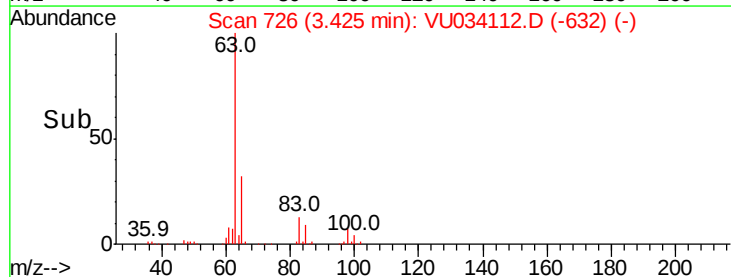
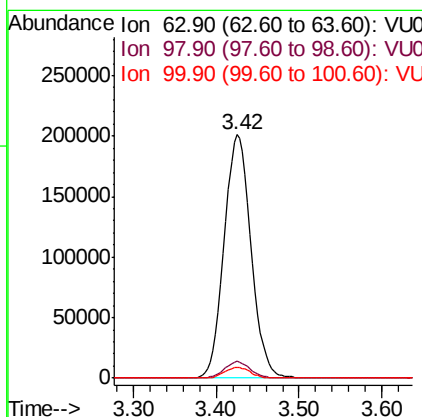
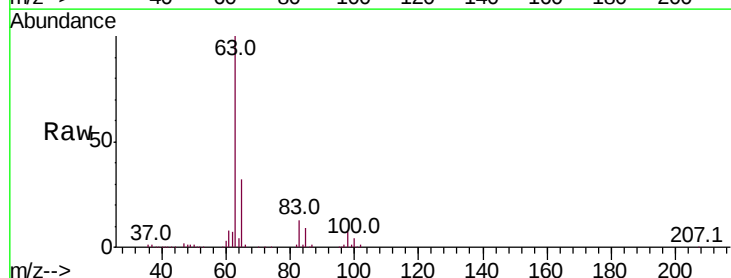
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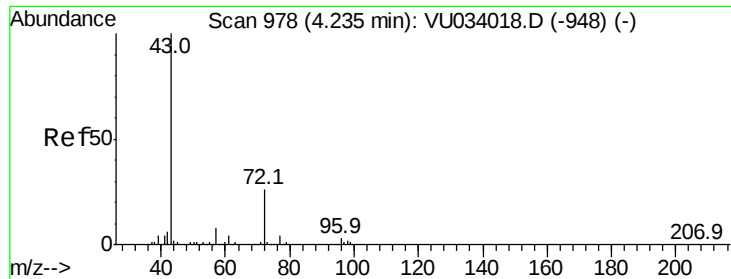
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#24
 1,1-Dichloroethane
 Concen: 50.254 ug/l
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion: 63 Resp: 452844
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.4 2.0 6.0





#25

2-Butanone

Concen: 254.604 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1024849

Ion Ratio Lower Upper

43 100

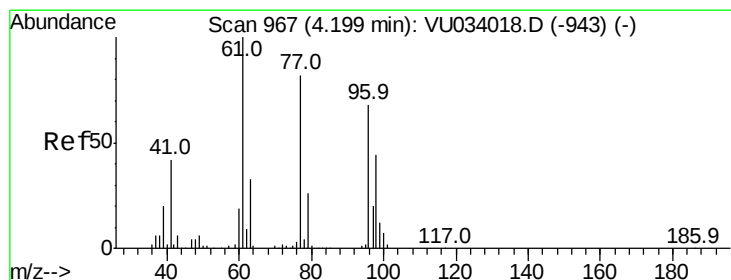
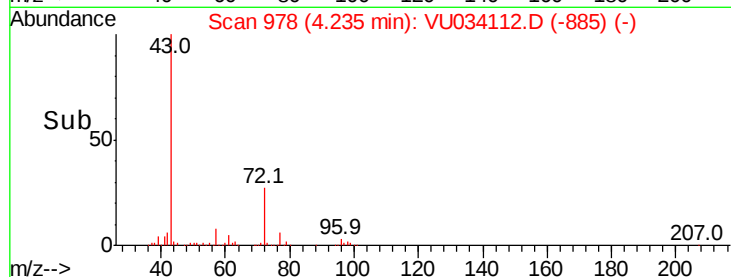
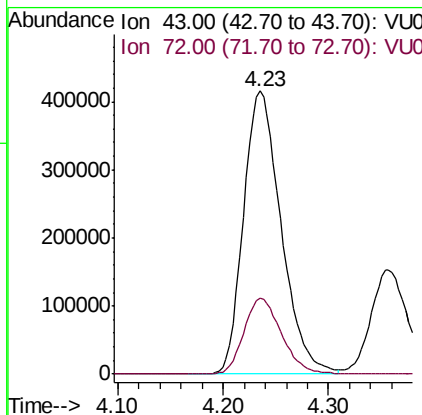
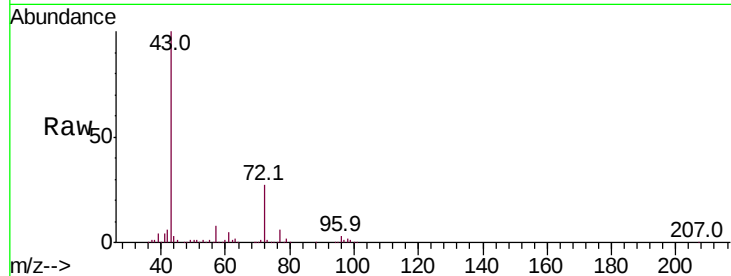
72 26.7 21.2 31.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.667 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034112.D

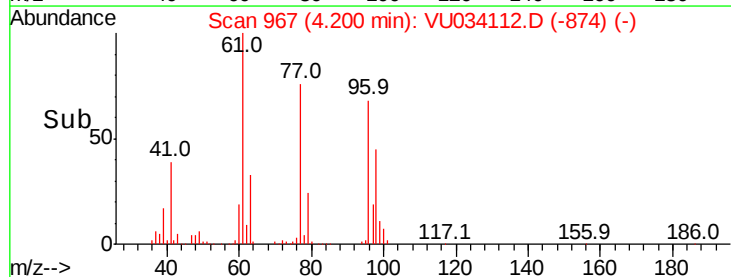
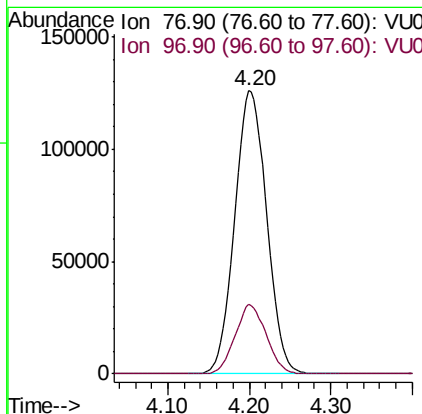
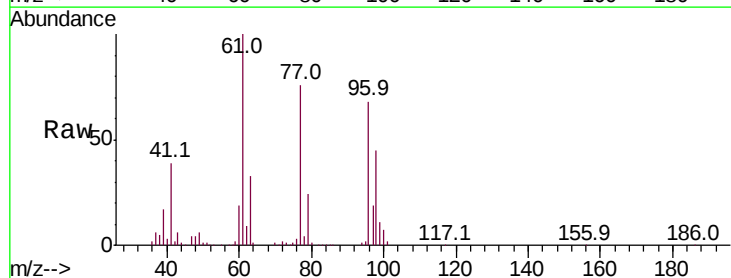
Acq: 30 Aug 2019 20:33

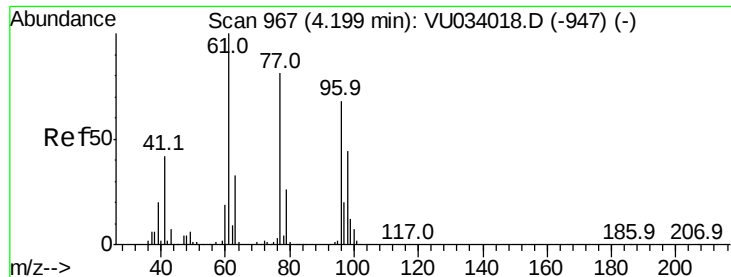
Tgt Ion: 77 Resp: 342178

Ion Ratio Lower Upper

77 100

97 23.8 11.6 34.7





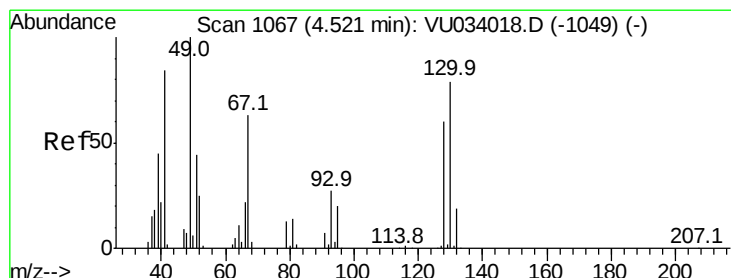
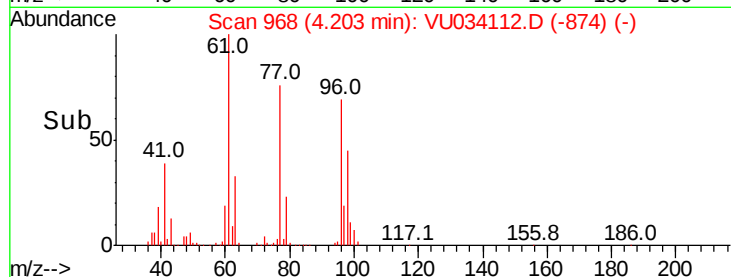
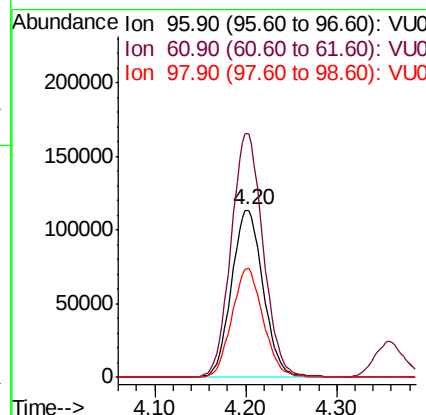
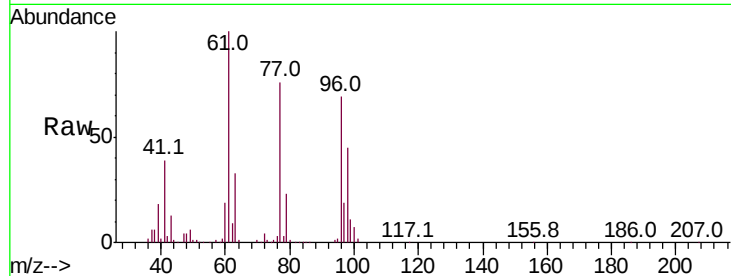
#27
 cis-1,2-Dichloroethene
 Concen: 51.022 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275348		
61	147.8	0.0	303.0	
98	64.5	0.0	129.2	

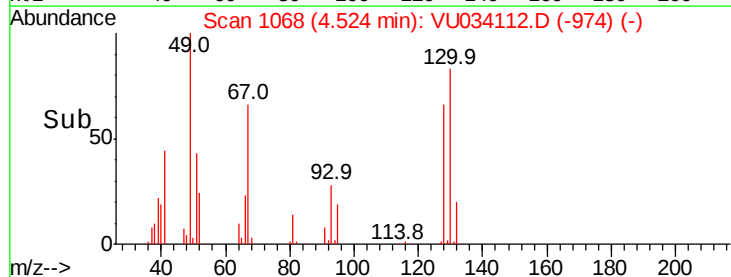
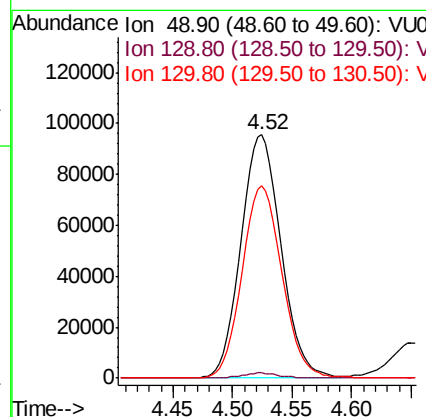
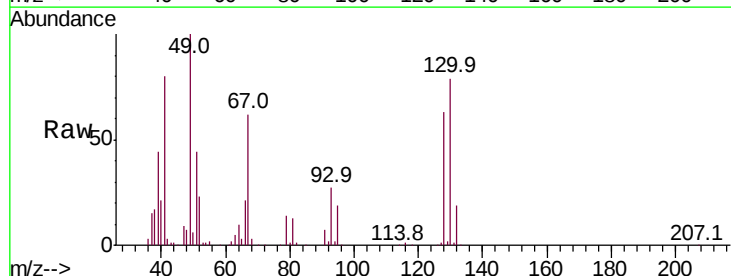
Manual Integrations
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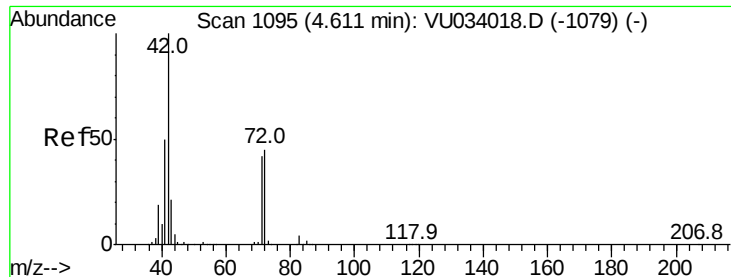
MMDadoda
 8/31/2019 11:25:04 AM



#28
 Bromochloromethane
 Concen: 50.371 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	223625		
129	2.0	0.0	3.6	
130	78.8	62.8	94.2	





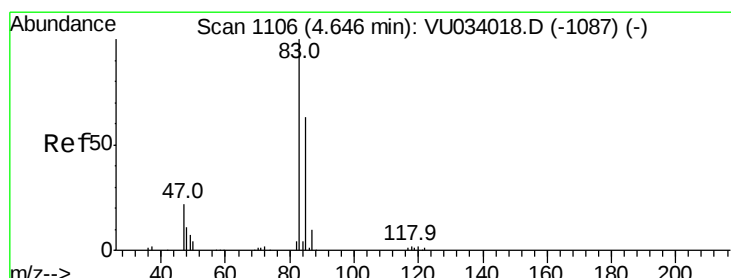
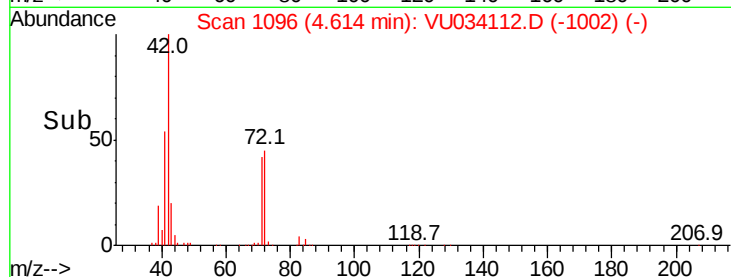
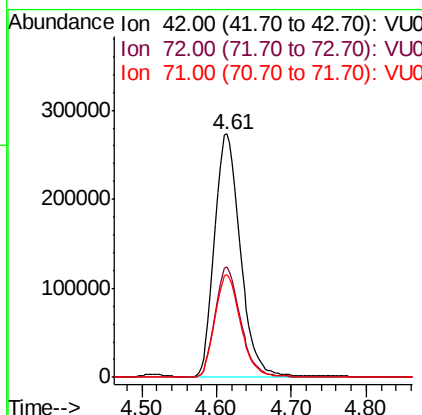
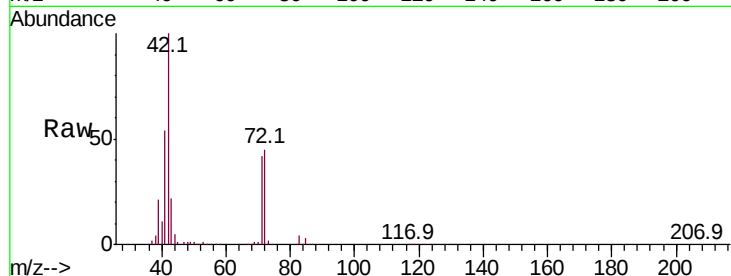
#29
Tetrahydrofuran
Concen: 264.734 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.8	53.6
71	42.1	34.0	51.0

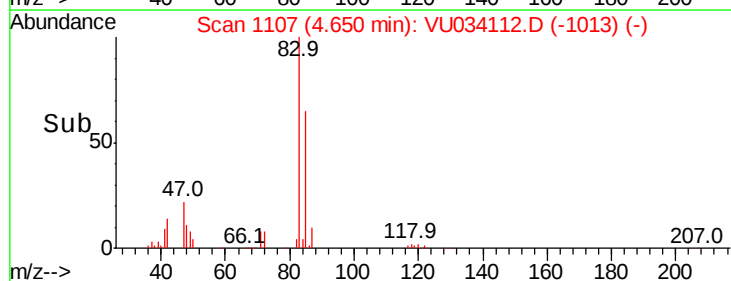
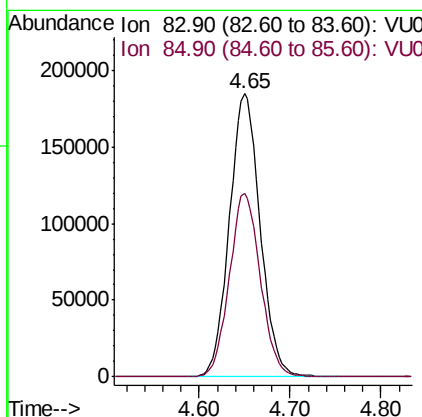
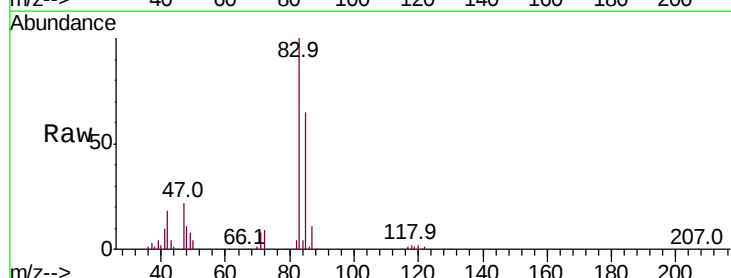
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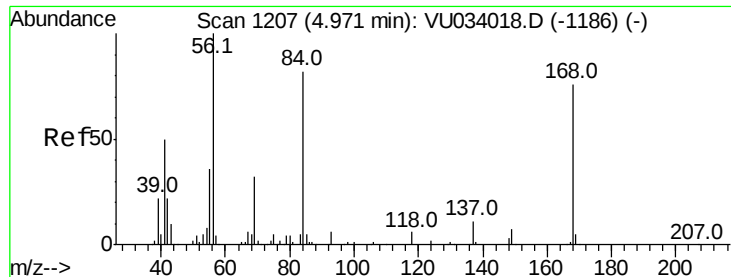
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#30
Chloroform
Concen: 48.278 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.7	76.1





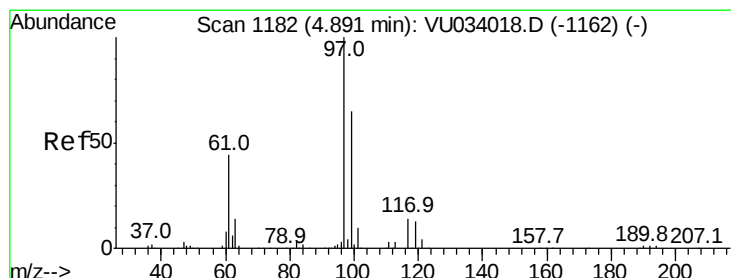
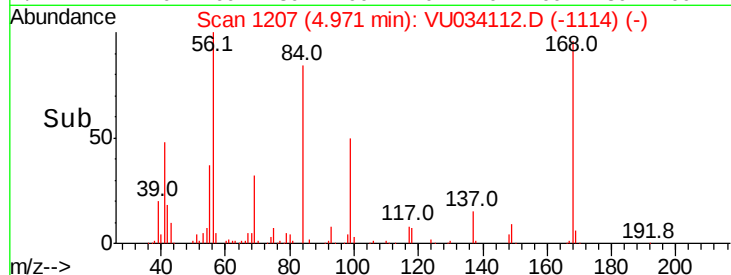
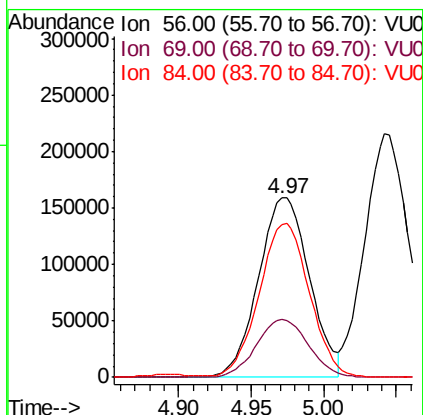
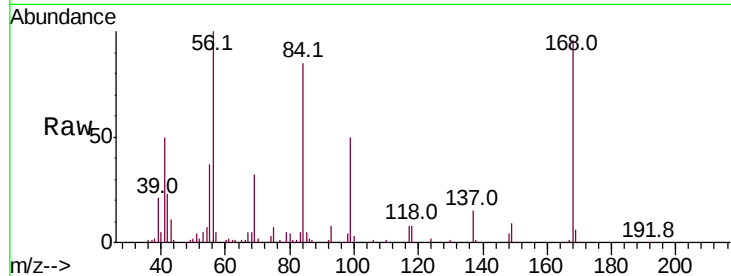
#31
Cyclohexane
Concen: 46.034 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	25.4	38.0
84	84.5	65.8	98.8

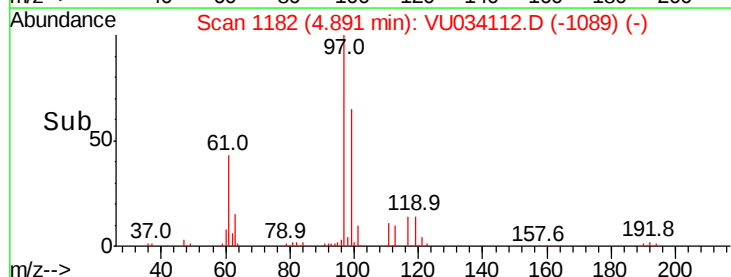
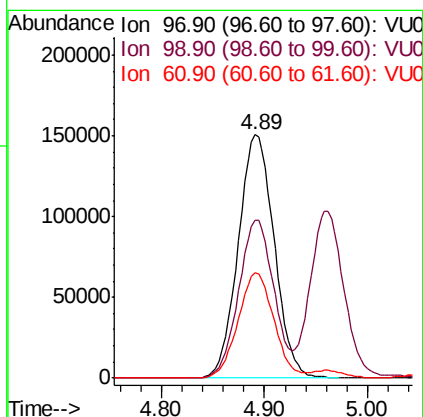
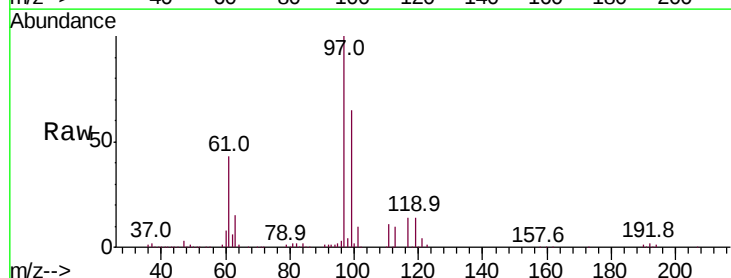
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APPROVED

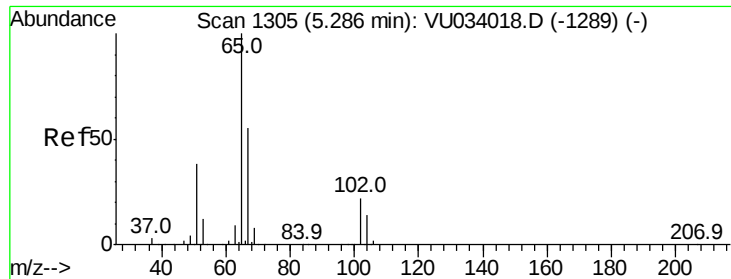
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#32
1,1,1-Trichloroethane
Concen: 49.709 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.8	77.6
61	43.2	35.3	52.9





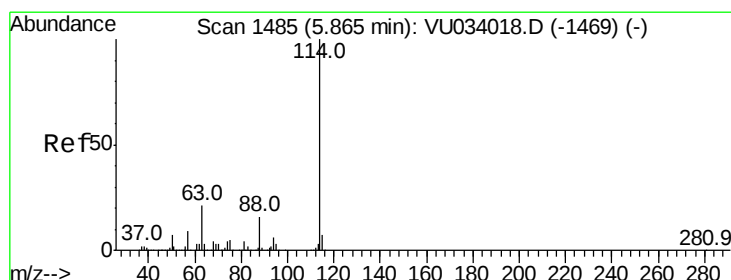
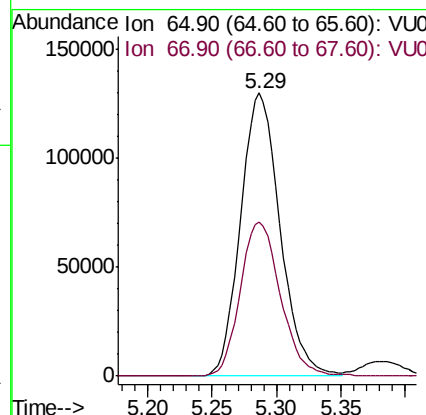
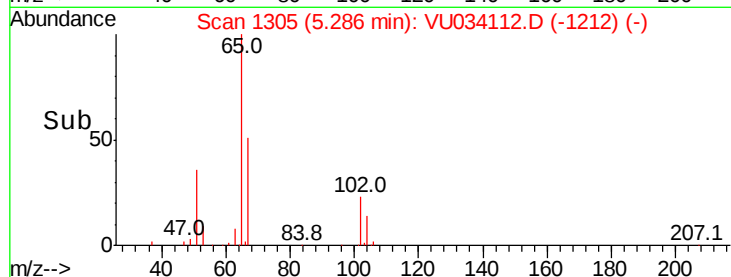
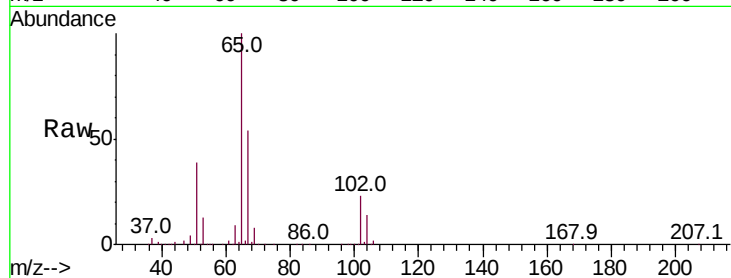
#33
 1,2-Dichloroethane-d4
 Concen: 48.889 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	110.6

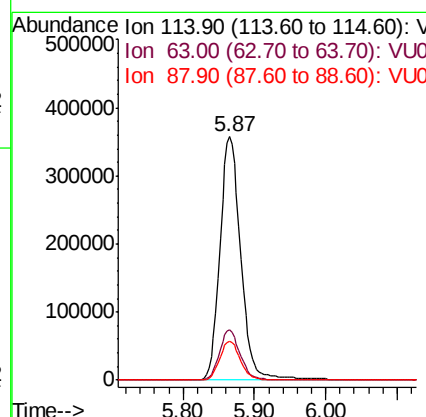
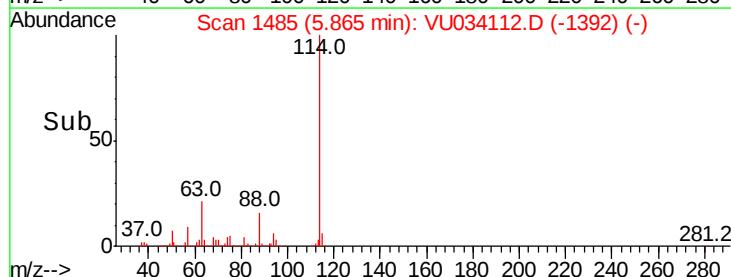
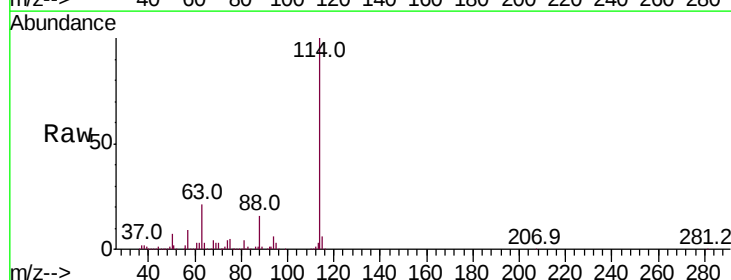
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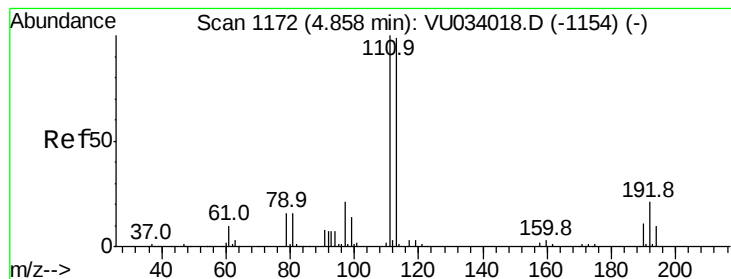
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.87 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	42.0
88	16.0	0.0	32.0





#35

Dibromofluoromethane

Concen: 46.897 ug/l

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

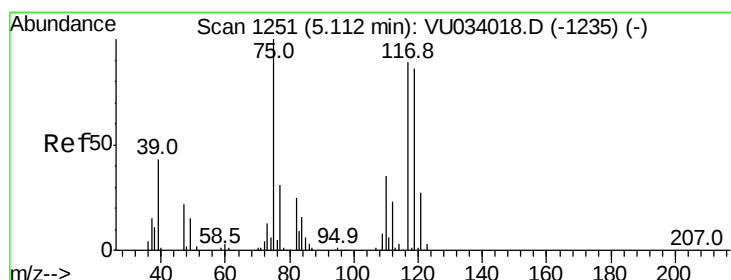
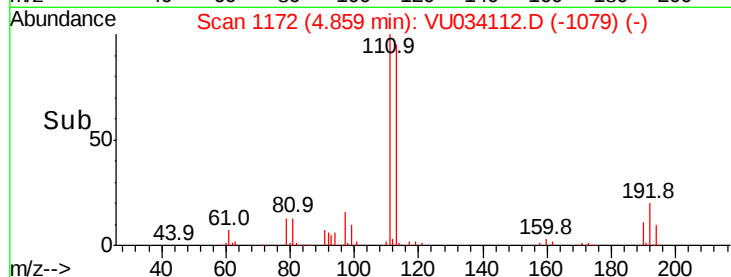
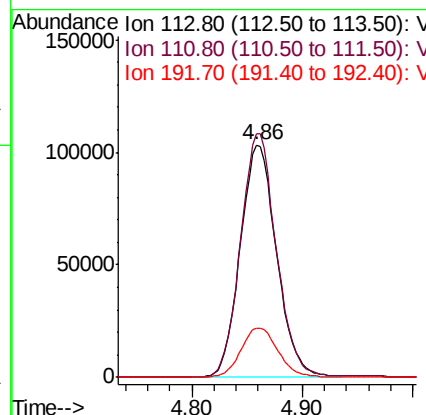
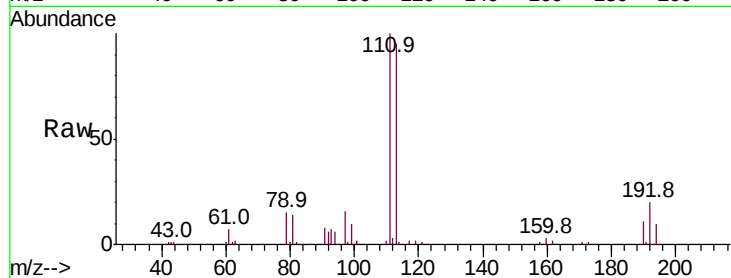
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	236026
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.7	122.5
192	21.9	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.835 ug/l

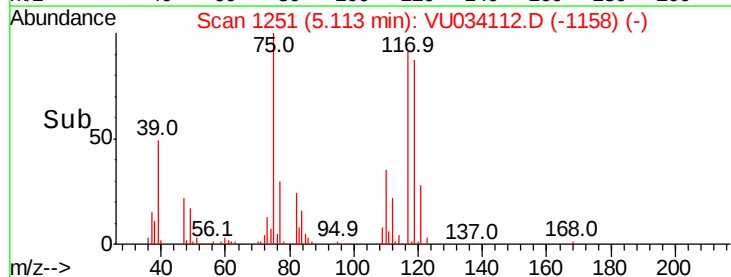
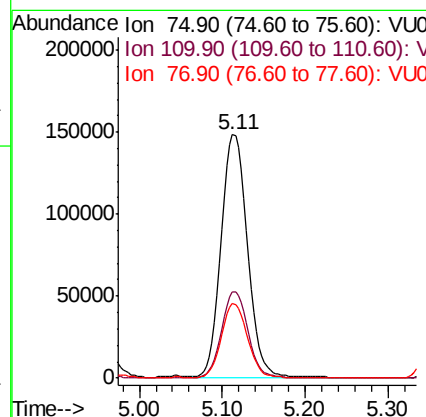
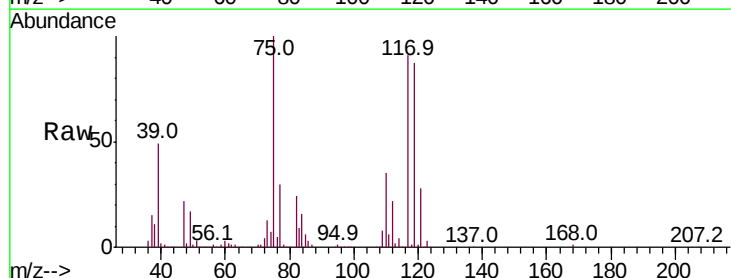
RT: 5.11 min Scan# 1251

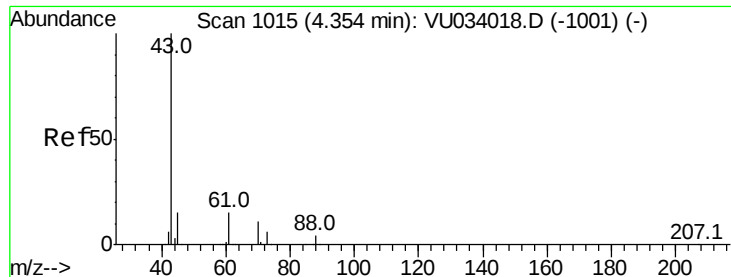
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	75	Resp:	328316
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.8	53.5
77	29.8	25.0	37.4





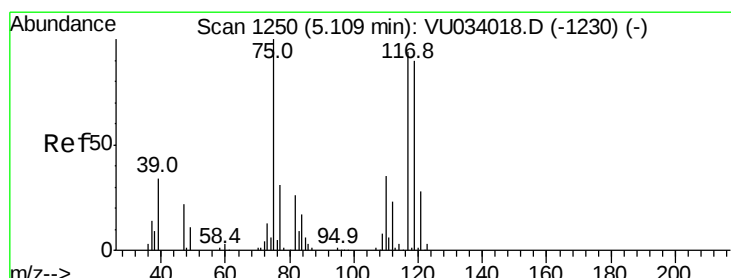
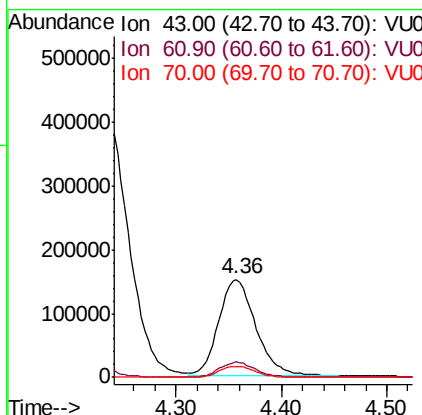
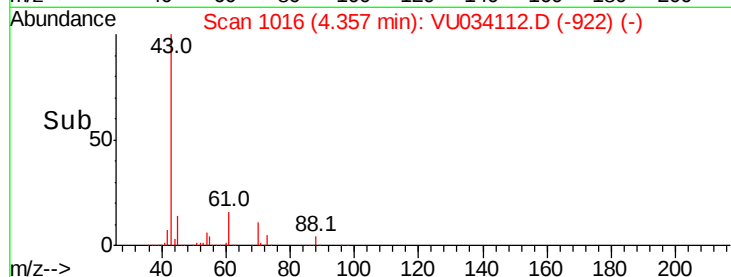
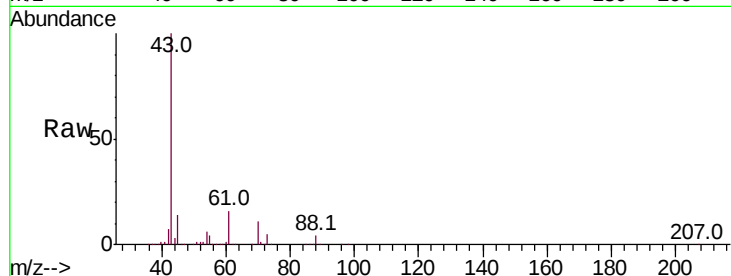
#37
Ethyl Acetate
Concen: 48.623 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	11.0	8.6	12.8

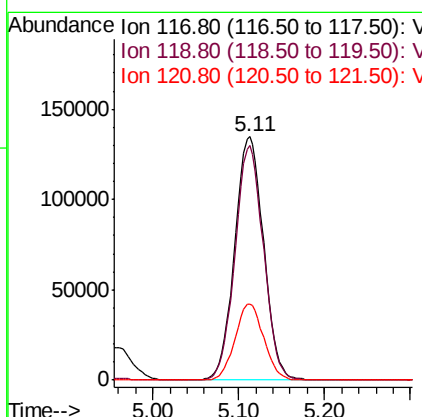
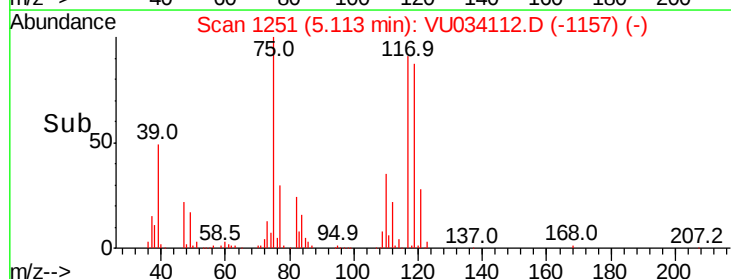
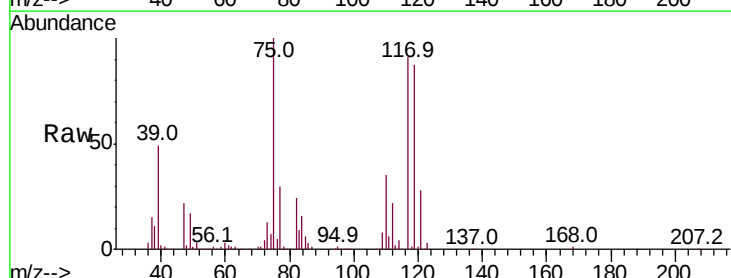
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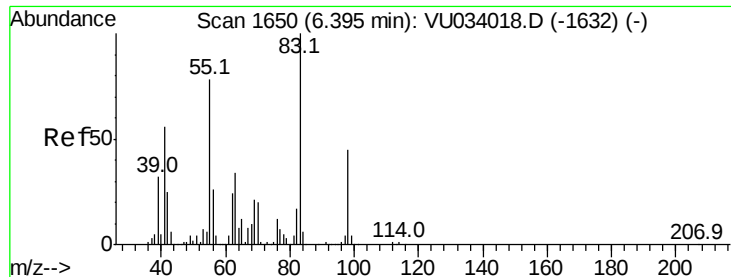
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#38
Carbon Tetrachloride
Concen: 47.235 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	31.4	23.9	35.9





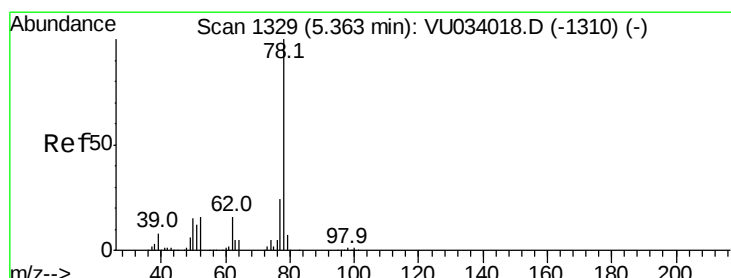
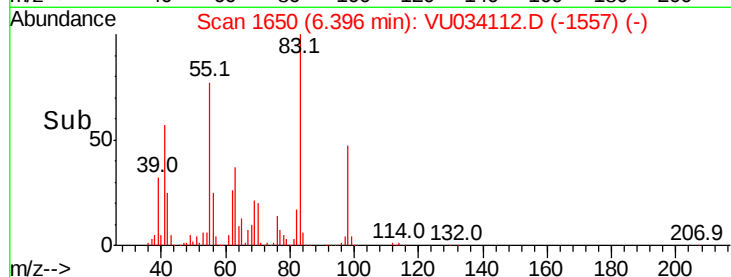
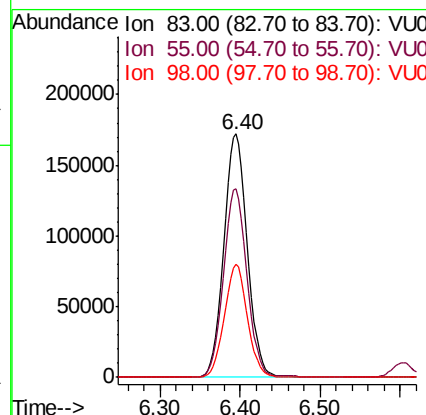
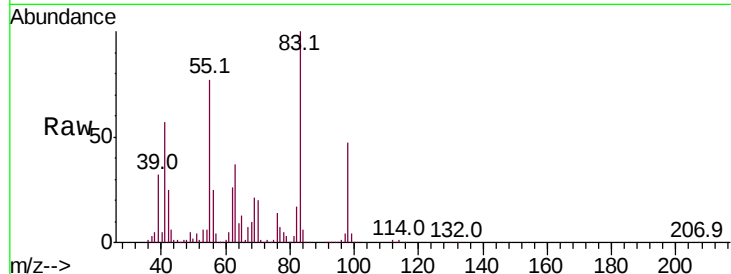
#39
Methvlcvclohexane
Concen: 43.214 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	62.3	93.5
98	46.6	36.2	54.2

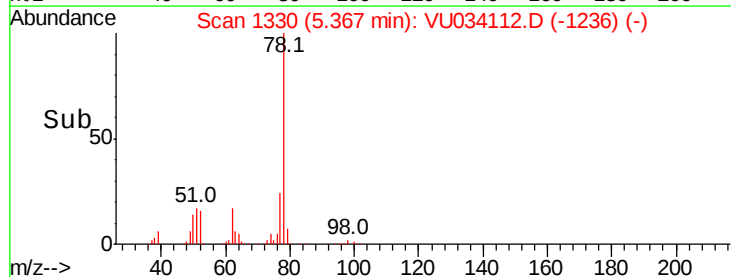
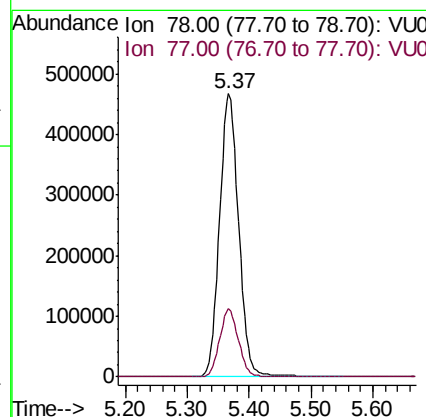
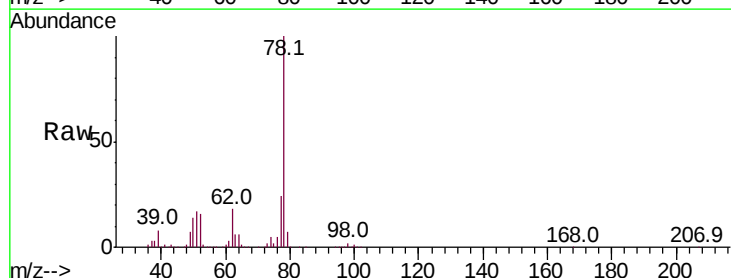
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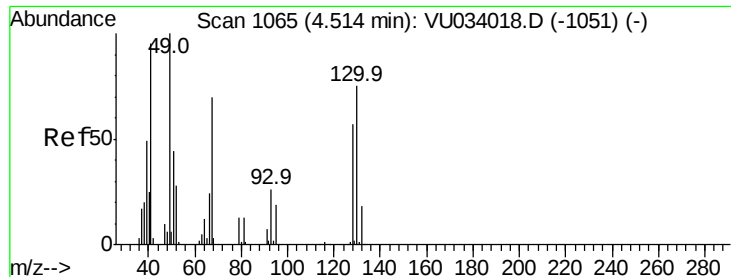
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#40
Benzene
Concen: 48.329 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





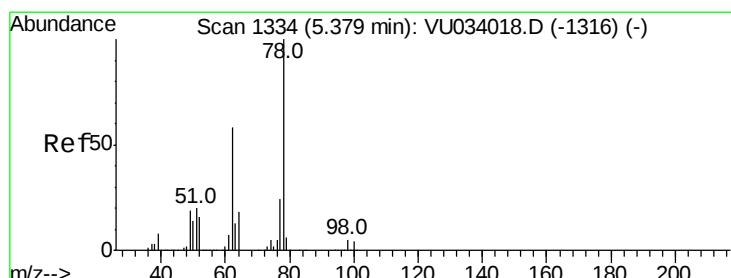
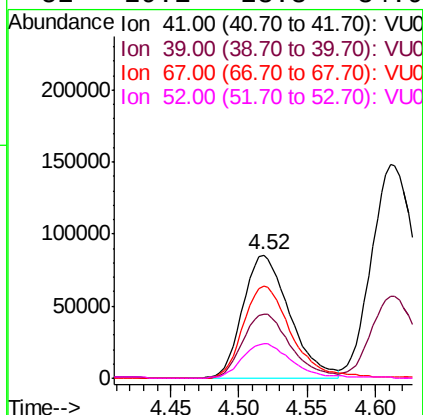
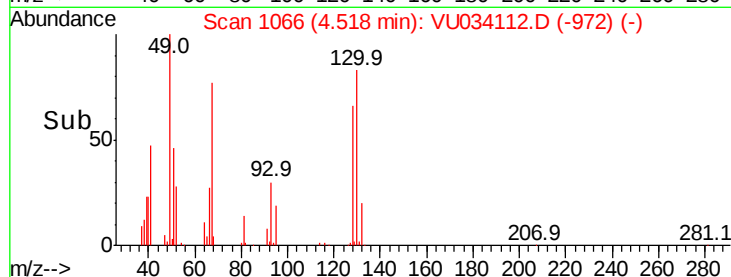
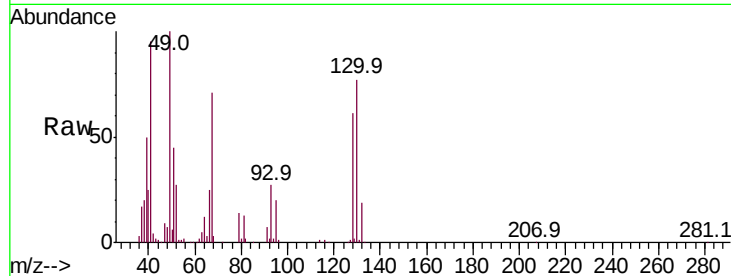
#41
Methacrylonitrile
Concen: 51.507 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	42.1	63.1	
67	77.8	61.0	91.4	
52	29.1	23.3	34.9	

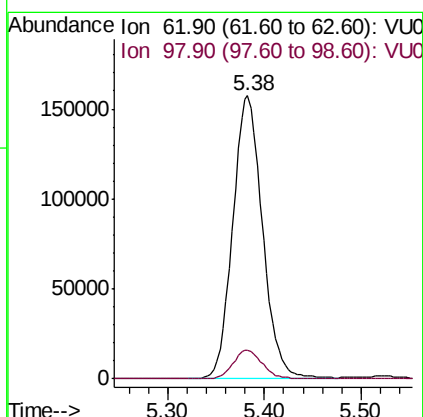
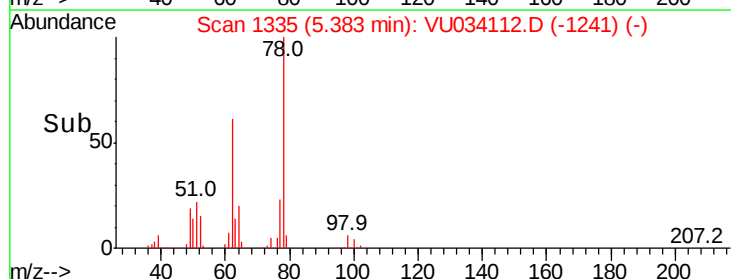
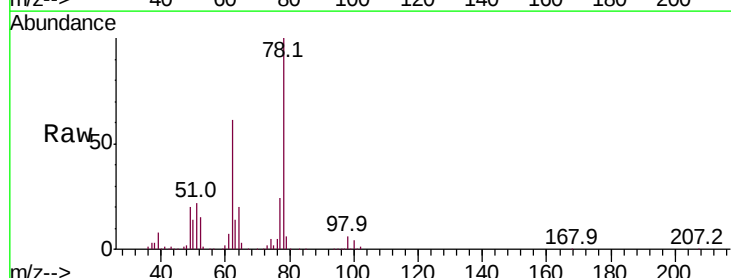
Manual Integrations
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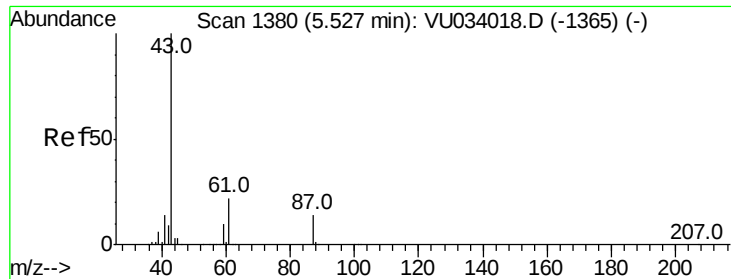
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#42
1,2-Dichloroethane
Concen: 46.965 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	18.2	





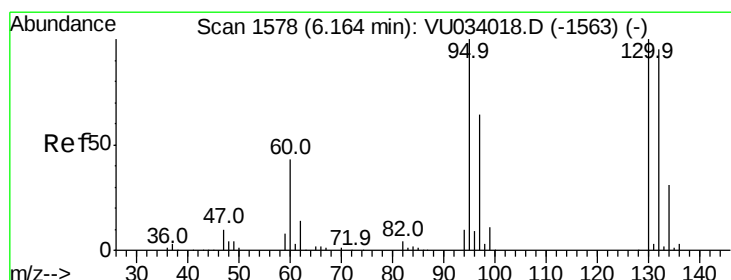
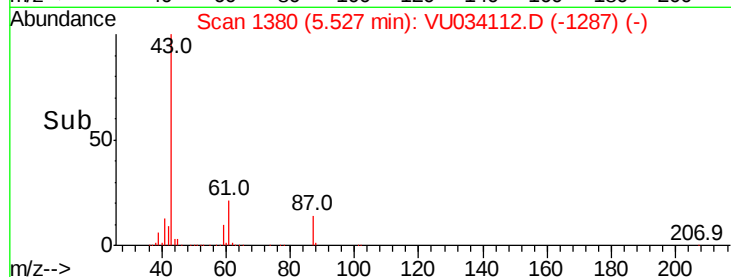
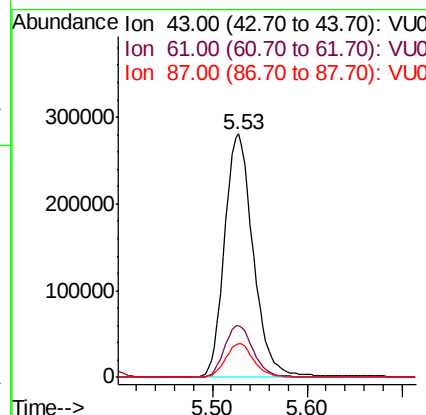
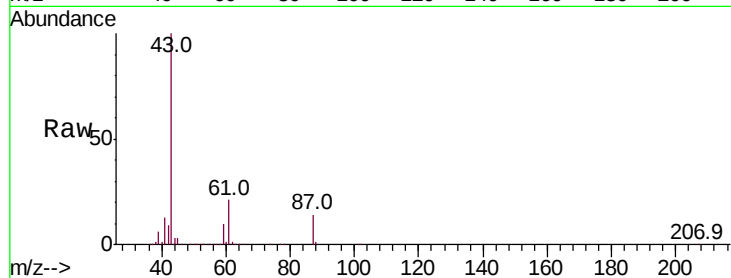
#43
Isopropyl Acetate
Concen: 50.310 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.2	25.8
87	13.7	10.8	16.2

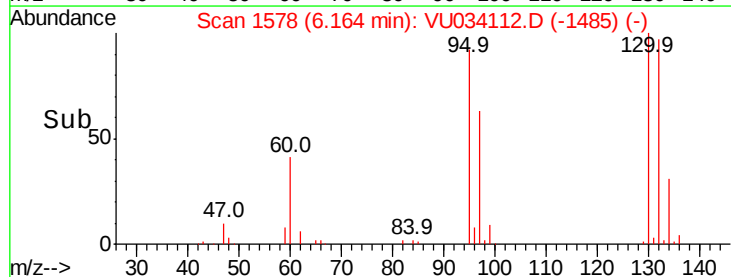
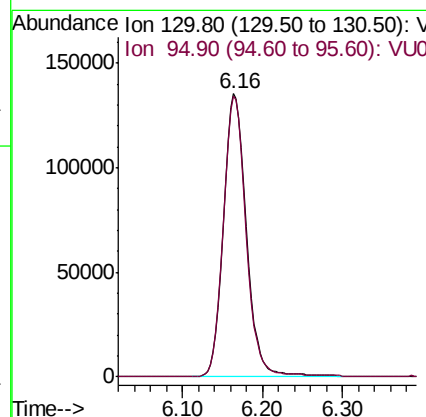
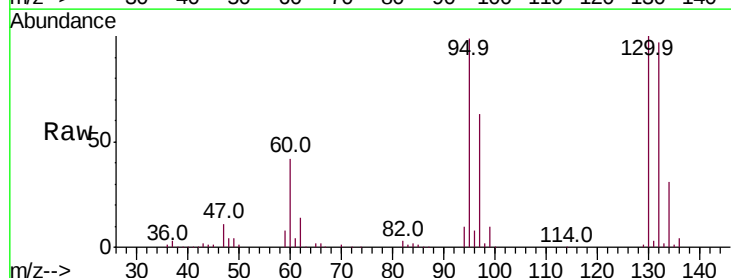
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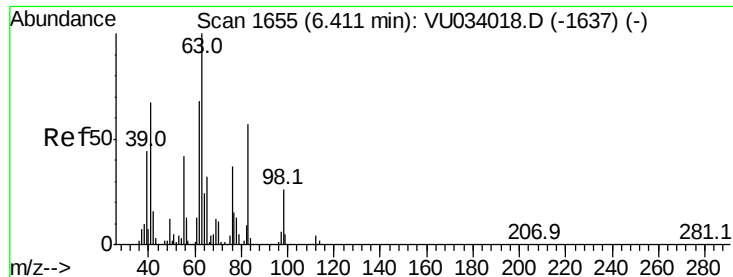
MMDadoda
8/31/2019 11:25:04 AM



#44
Trichloroethene
Concen: 49.581 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	199.6





#45

1,2-Dichloropropane

Concen: 48.738 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 278600

Ion Ratio Lower Upper

63 100

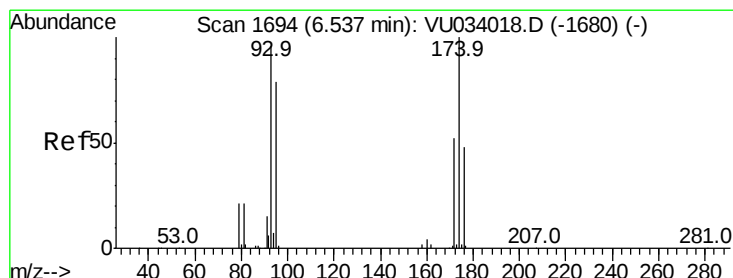
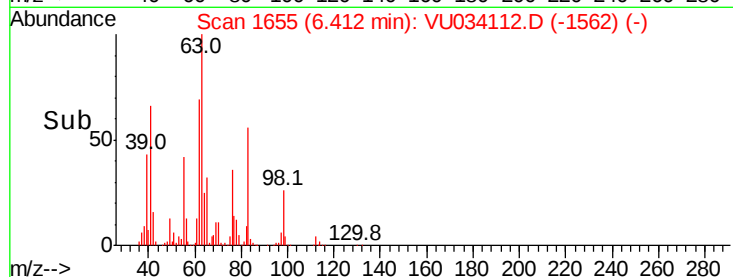
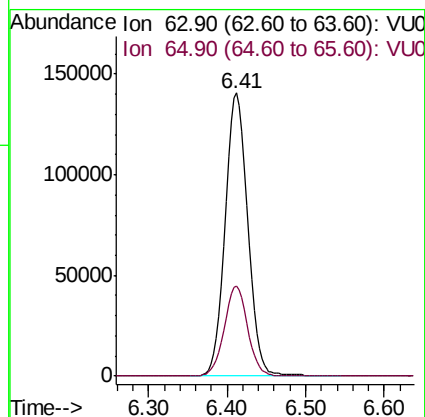
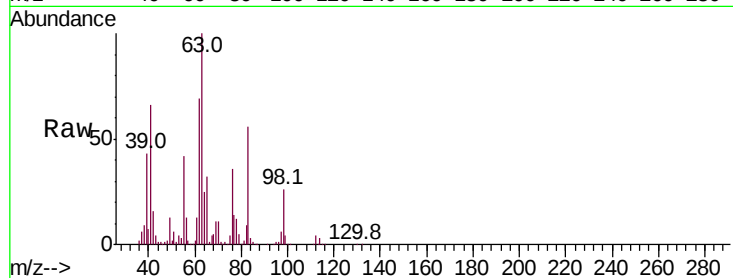
65 31.8 25.4 38.2

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#46

Dibromomethane

Concen: 48.226 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

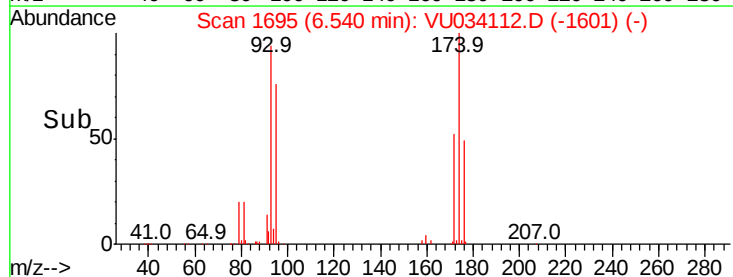
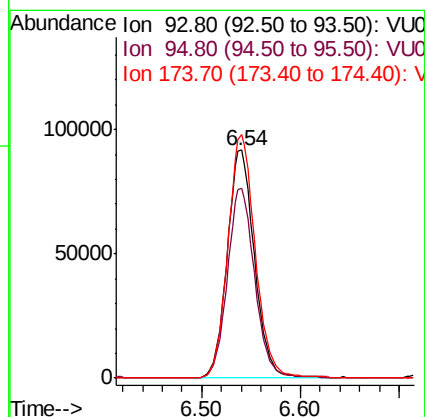
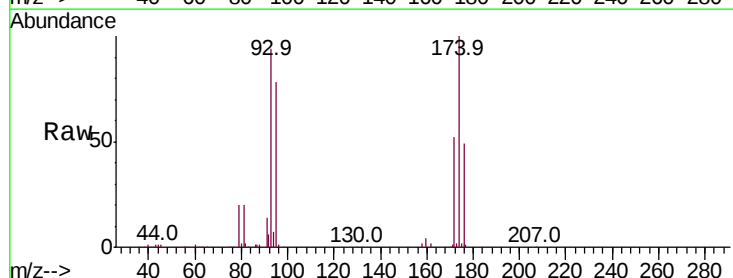
Tgt Ion: 93 Resp: 177606

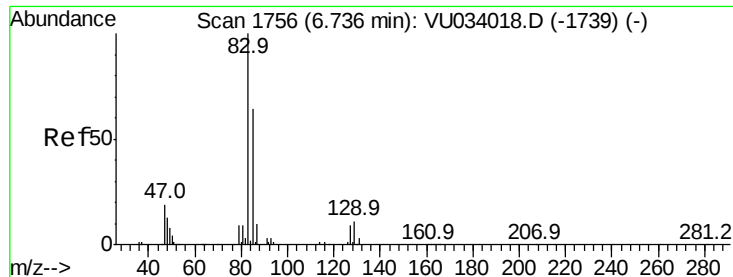
Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 107.0 84.9 127.3





#47

Bromodichloromethane

Concen: 48.020 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

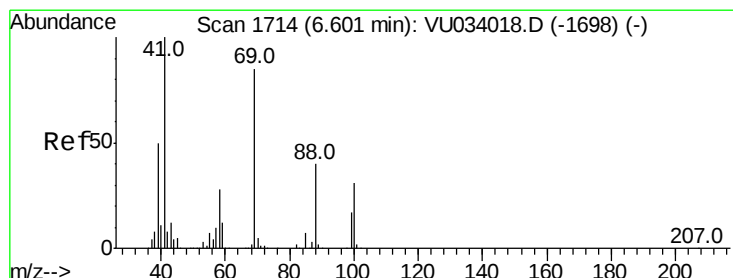
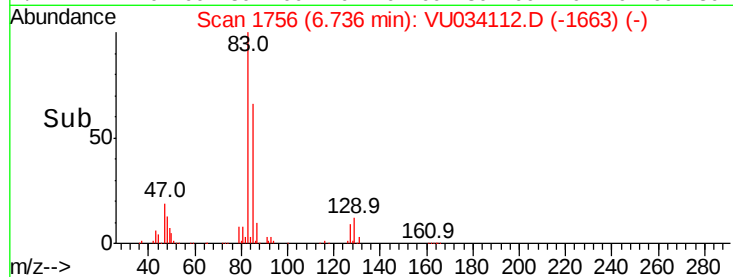
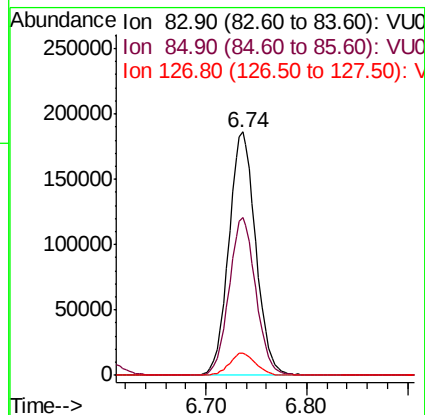
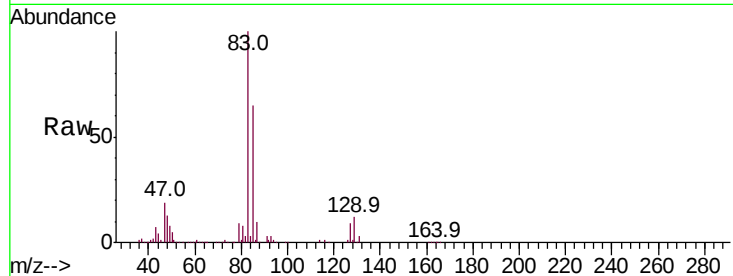
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	345998
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.2	76.8
127	9.2	7.0	10.6

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#48

Methyl methacrylate

Concen: 50.407 ug/l

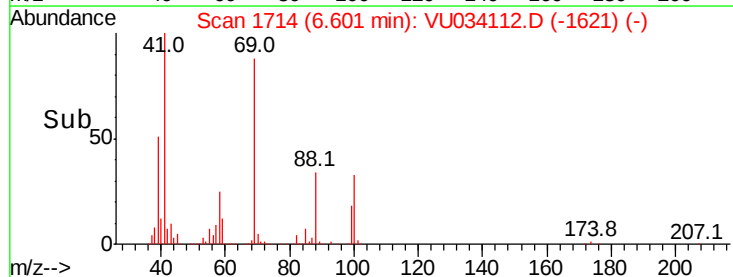
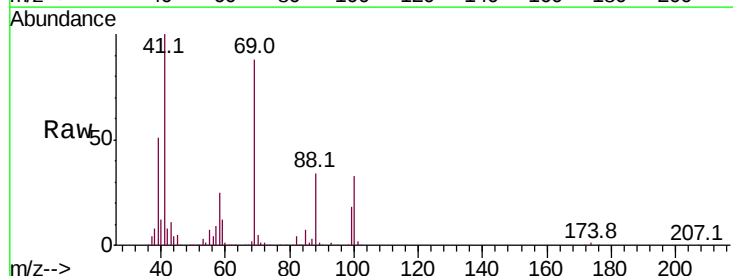
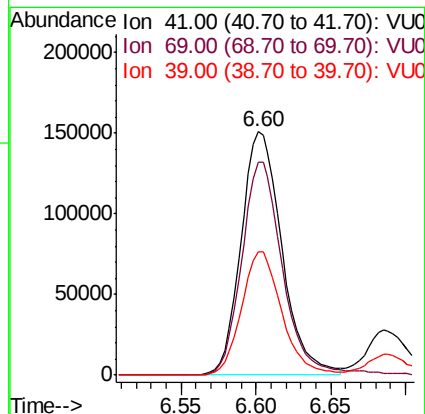
RT: 6.60 min Scan# 1714

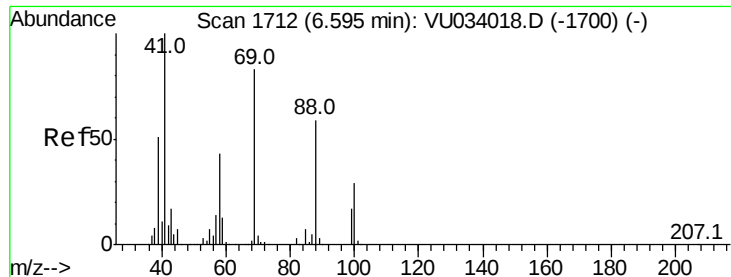
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	41	Resp:	284418
Ion Ratio	Lower	Upper	
41	100		
69	88.8	69.5	104.3
39	50.0	40.3	60.5





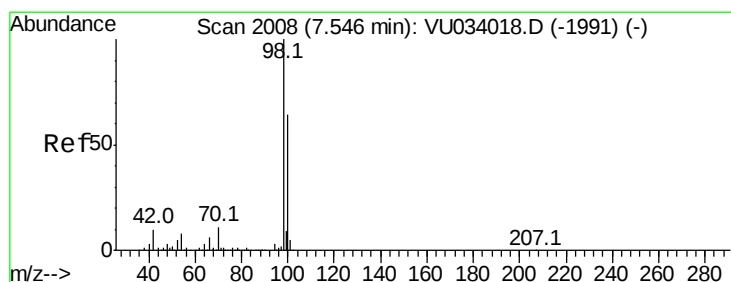
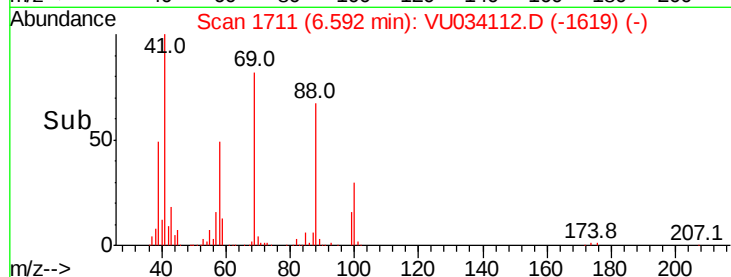
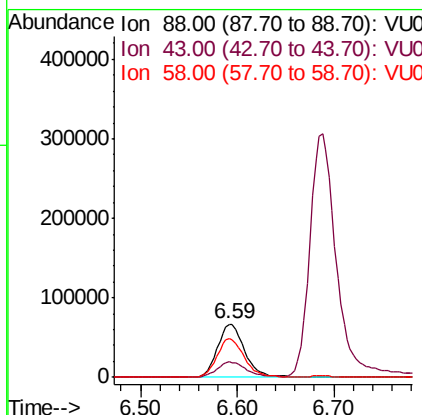
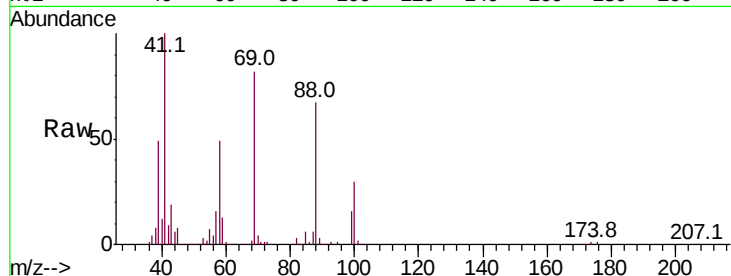
#49
1,4-Dioxane
Concen: 908.968 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.1	24.8	37.2	
58	74.1	59.3	88.9	

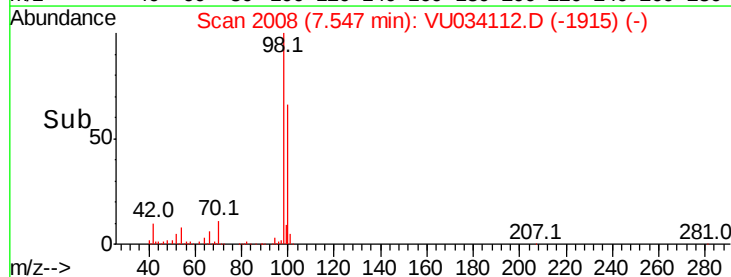
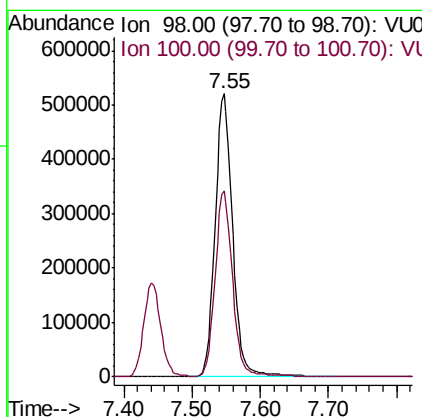
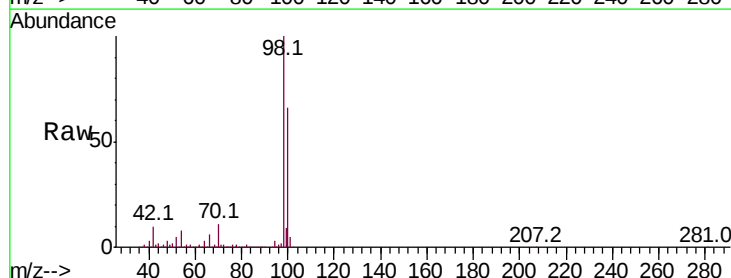
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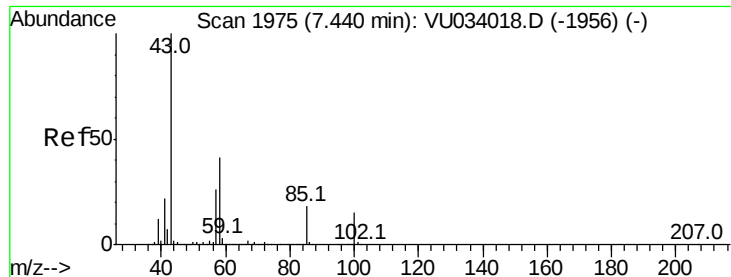
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#50
Toluene-d8
Concen: 49.302 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.1	50.3	75.5	





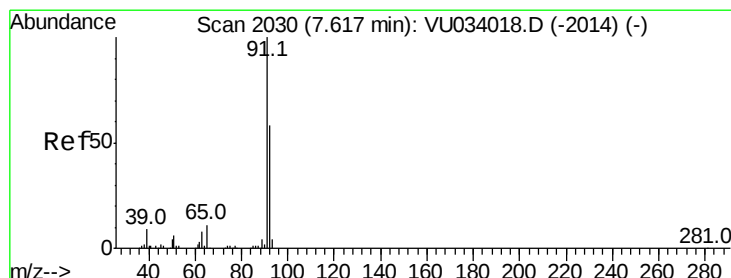
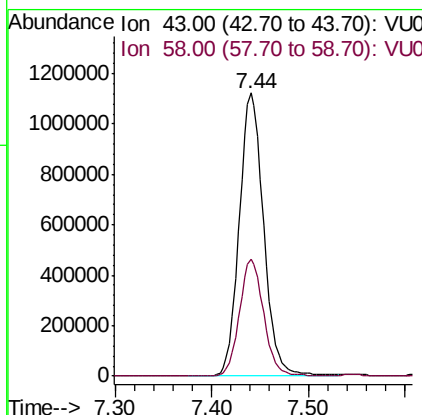
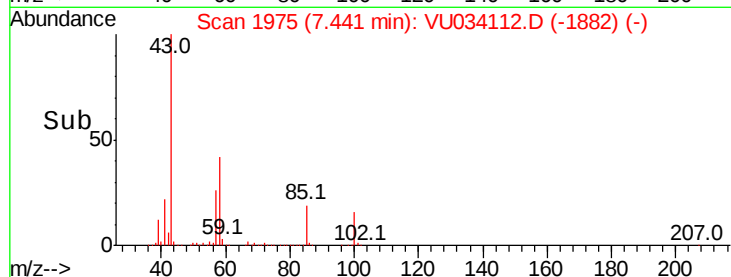
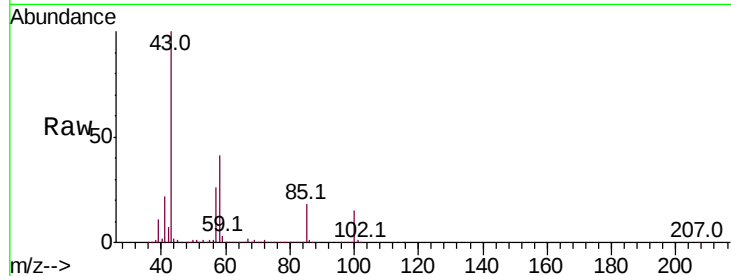
#51
4-Methyl-2-Pentanone
Concen: 243.530 ug/l
RT: 7.44 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1966554
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4

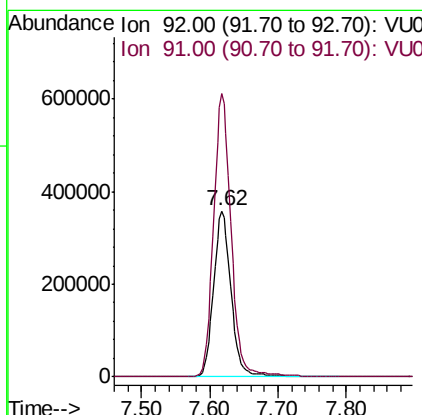
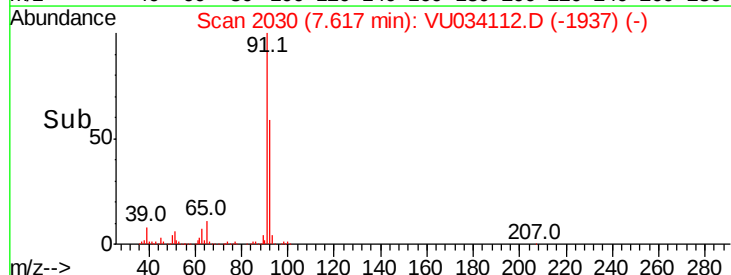
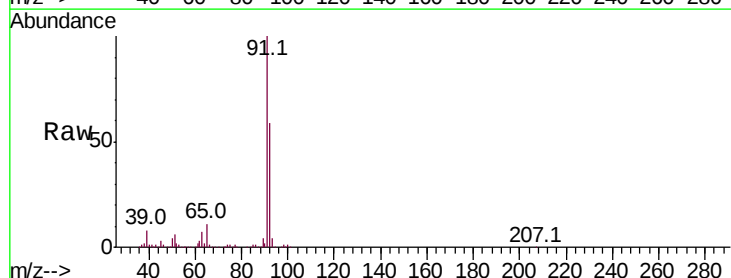
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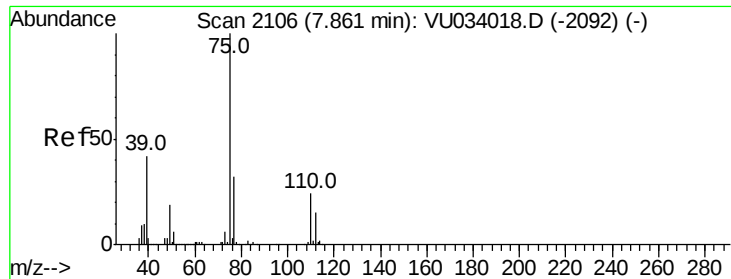
MMDadoda
8/31/2019 11:25:04 AM



#52
Toluene
Concen: 50.021 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion: 92 Resp: 639871
Ion Ratio Lower Upper
92 100
91 171.8 138.3 207.5





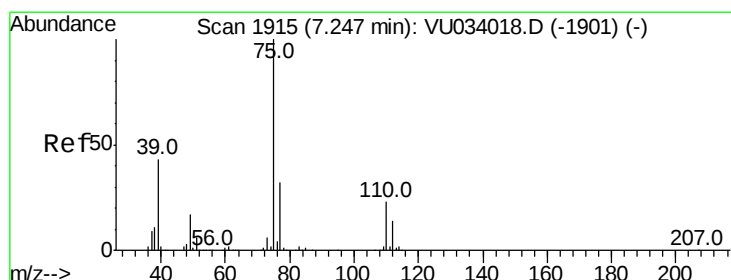
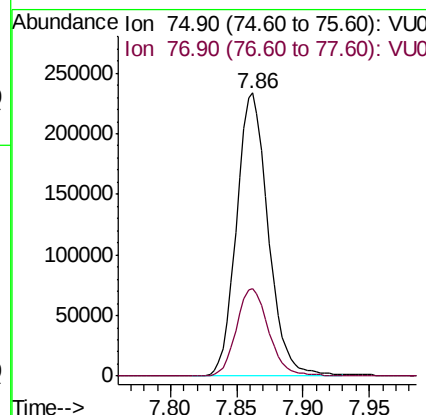
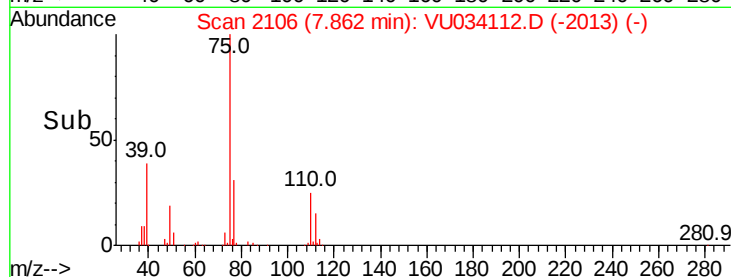
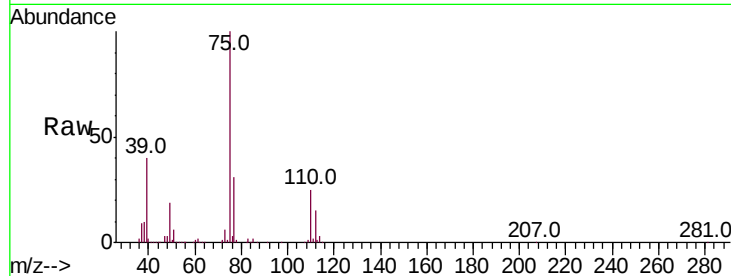
#53
t-1,3-Dichloropropene
Concen: 48.615 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	75	Resp	388674
Ion Ratio	Lower	Upper	
75	100		
77	30.9	25.4	38.0

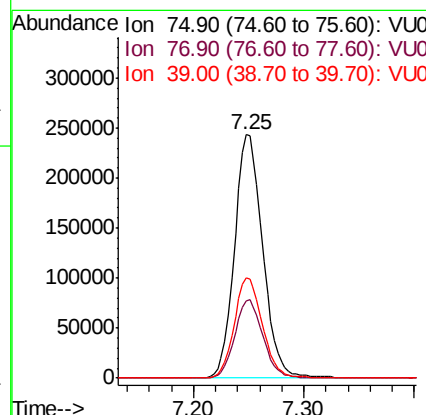
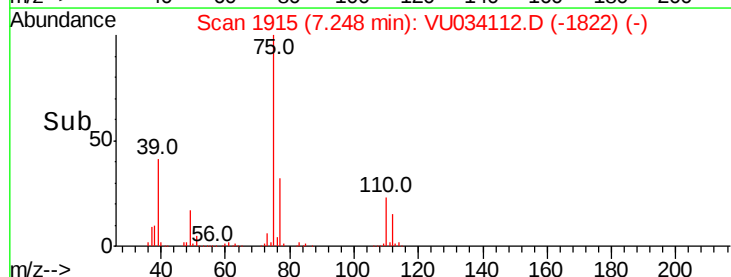
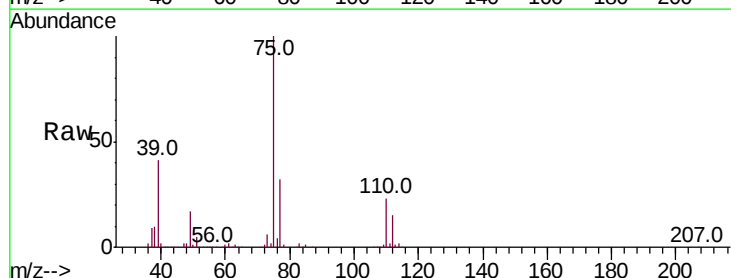
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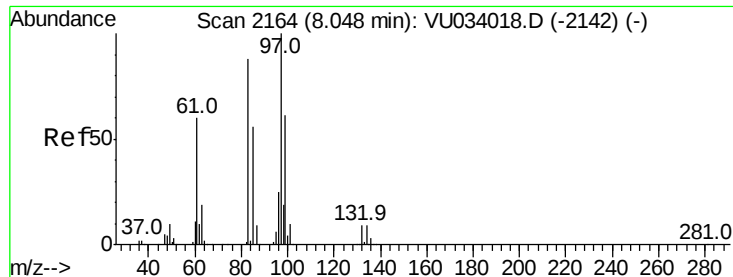
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.414 ug/l
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	75	Resp	431607
Ion Ratio	Lower	Upper	
75	100		
77	31.9	25.2	37.8
39	41.2	34.6	51.8





#55

1,1,2-Trichloroethane

Concen: 46.853 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

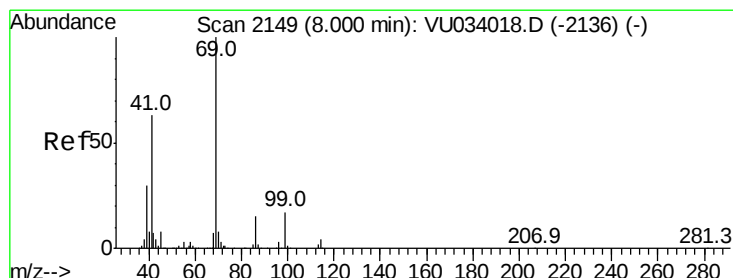
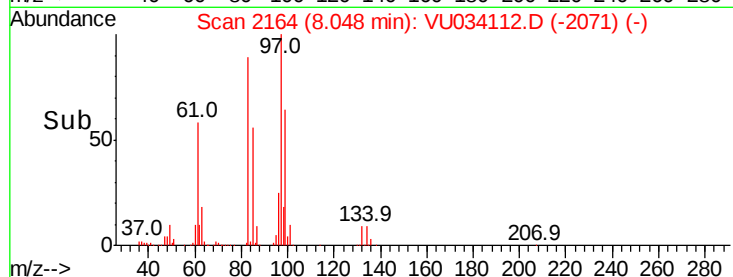
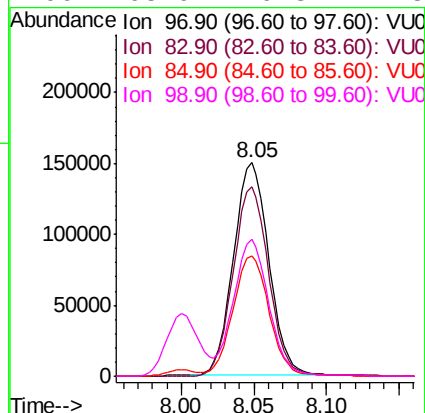
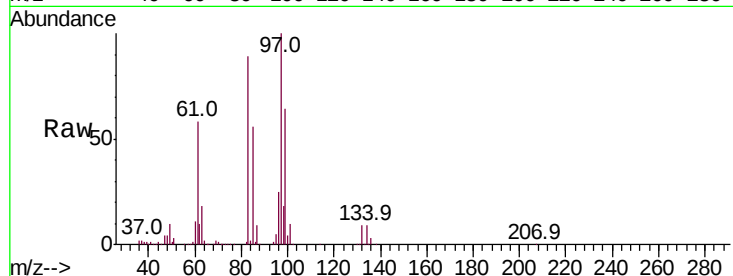
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
97	100	253518		
83	89.1	70.1	105.1	
85	56.2	45.0	67.4	
99	63.9	49.8	74.8	

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#56

Ethyl methacrylate

Concen: 46.348 ug/l

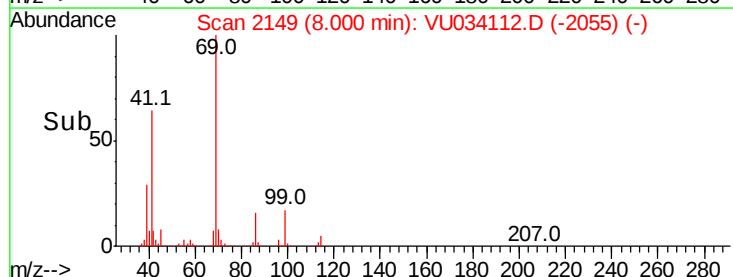
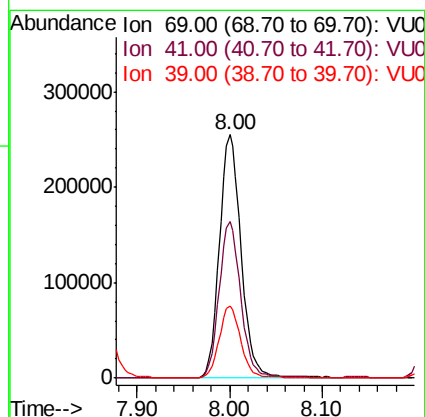
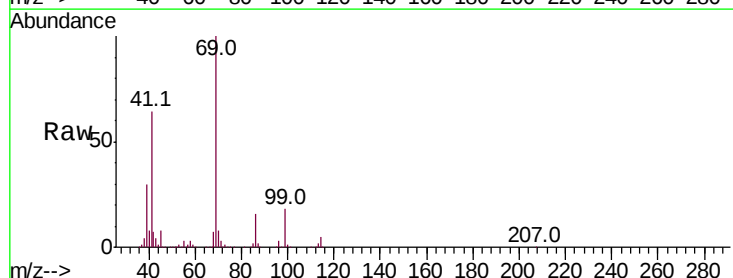
RT: 8.00 min Scan# 2149

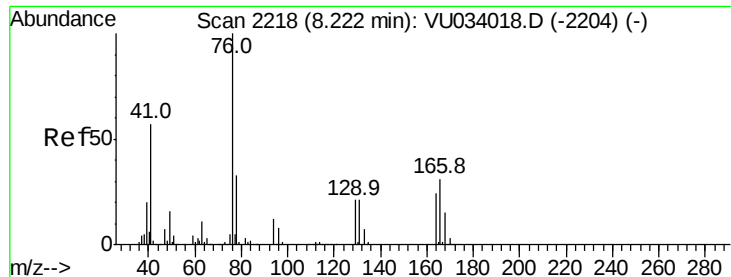
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	415337		
41	64.2	50.7	76.1	
39	28.8	24.2	36.2	





#57

1,3-Dichloropropane

Concen: 48.566 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 446201

Ion Ratio Lower Upper

76 100

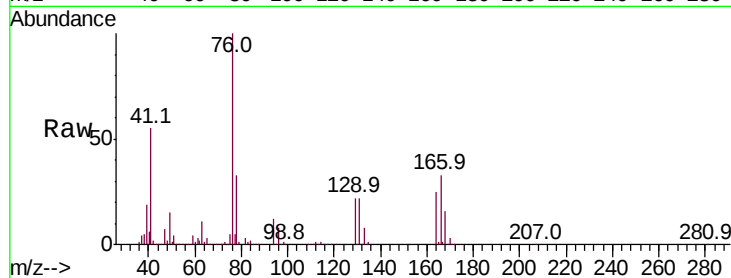
78 32.2 26.2 39.4

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Abundance Ion 75.90 (75.60 to 76.60): VU034112.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034112.D (-2125) (-)

8.22

250000

200000

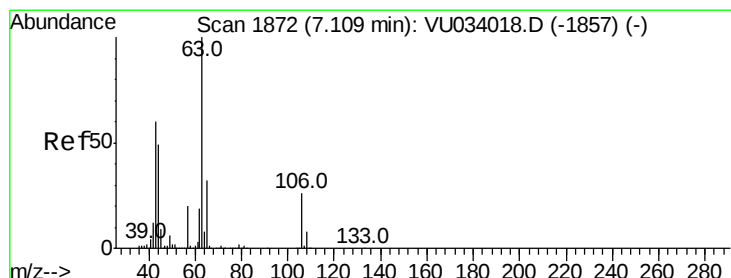
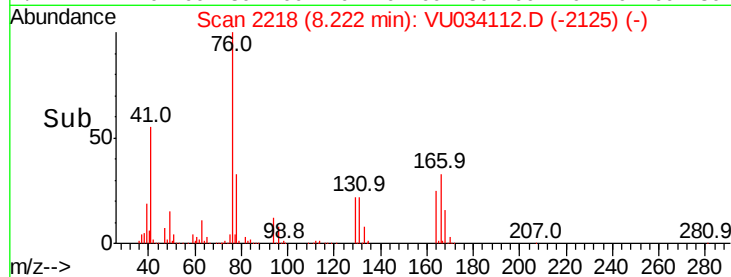
150000

100000

50000

0

Time--> 8.10 8.20 8.30



#58

2-Chloroethyl Vinyl ether

Concen: 255.883 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034112.D

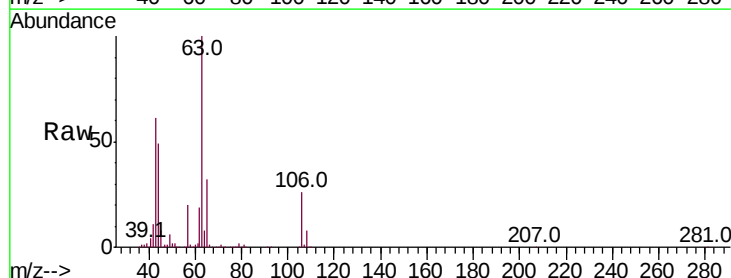
Acq: 30 Aug 2019 20:33

Tgt Ion: 63 Resp: 765986

Ion Ratio Lower Upper

63 100

106 25.9 20.7 31.1



Abundance Ion 62.90 (62.60 to 63.60): VU034112.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034112.D (-1779) (-)

7.11

500000

400000

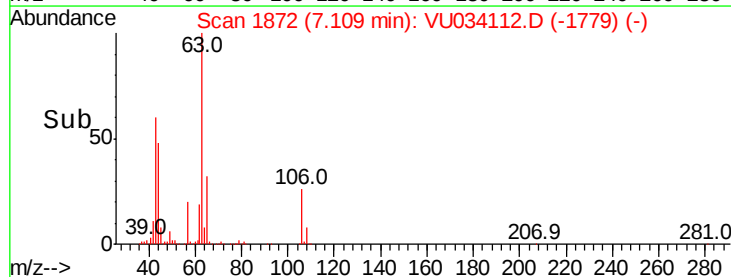
300000

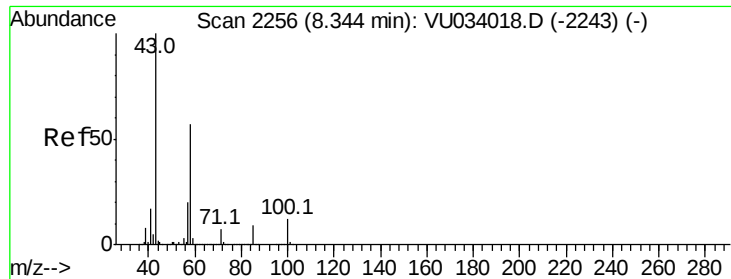
200000

100000

0

Time--> 7.00 7.10 7.20





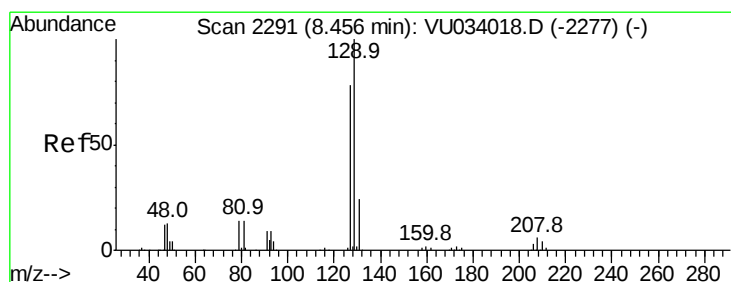
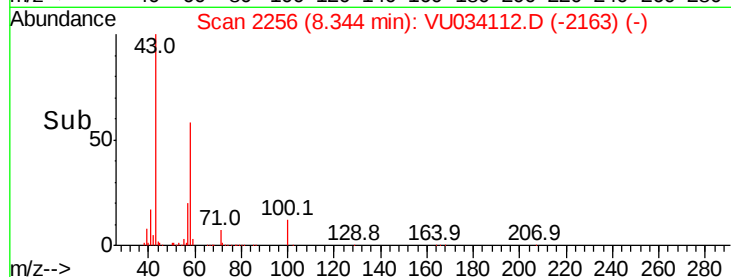
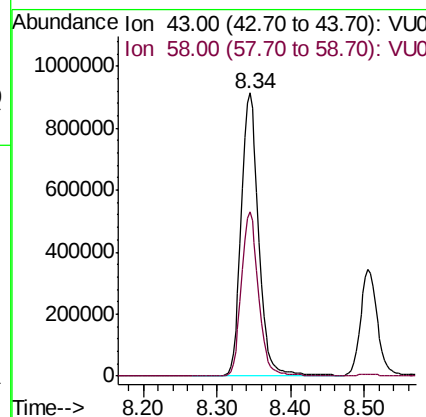
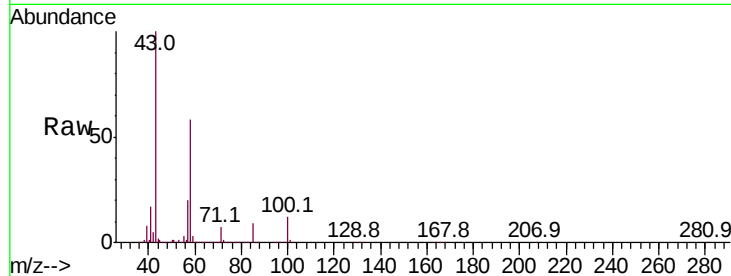
#59
2-Hexanone
Concen: 246.618 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1503397
Ion Ratio Lower Upper
43 100
58 57.5 28.4 85.3

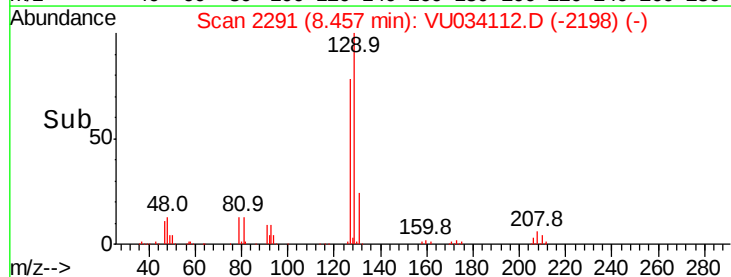
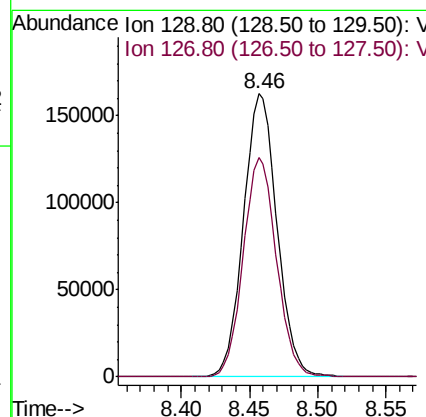
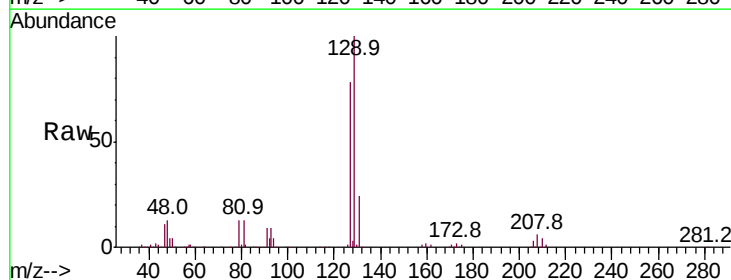
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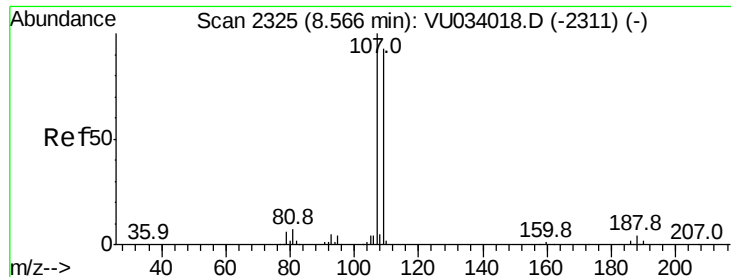
MMDadoda
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#60
Dibromochloromethane
Concen: 47.852 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion: 129 Resp: 277940
Ion Ratio Lower Upper
129 100
127 77.0 39.0 116.9





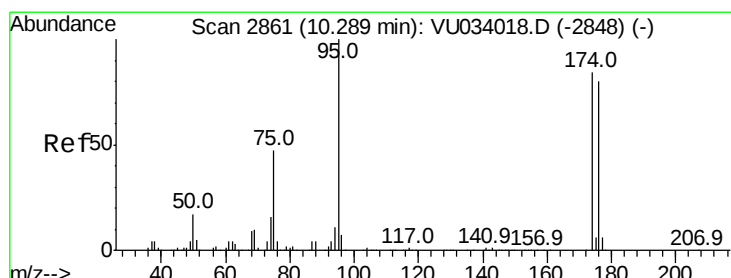
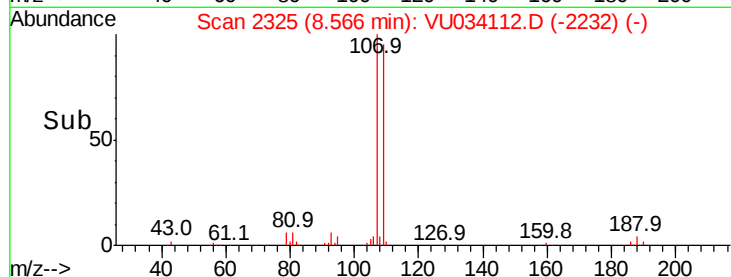
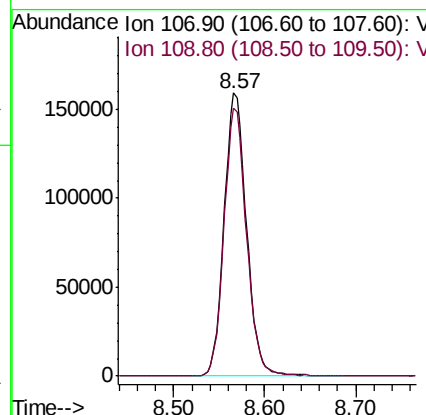
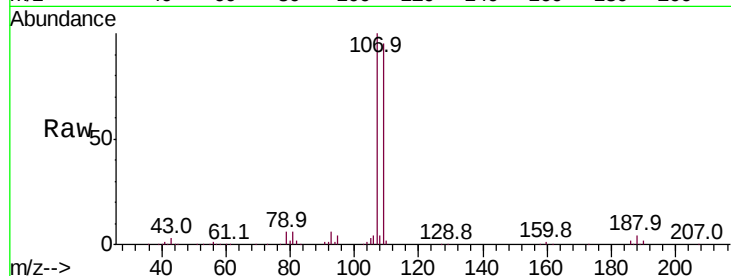
#61
 1,2-Dibromoethane
 Concen: 47.934 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.2	112.8

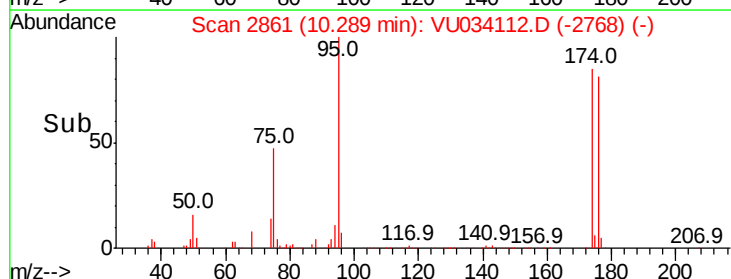
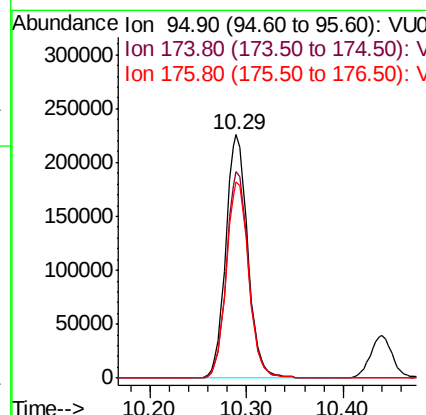
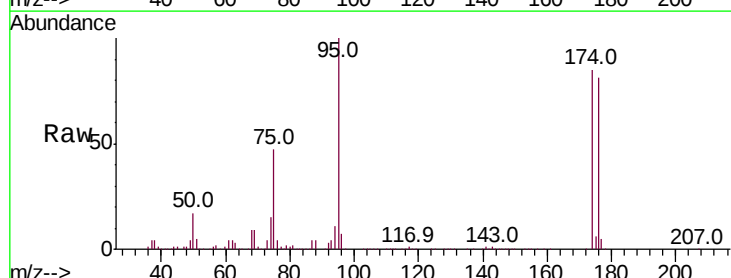
Manual Integrations
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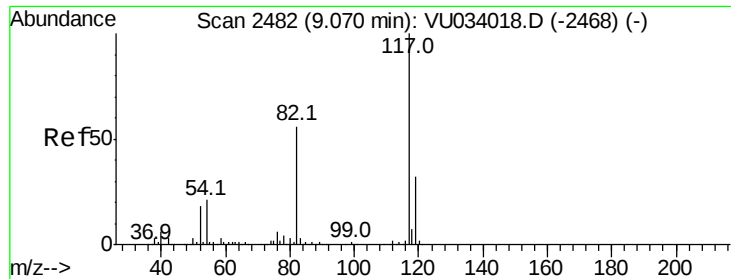
MMDadoda
 8/31/2019 11:25:04 AM



#62
 4-Bromofluorobenzene
 Concen: 48.673 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	168.8
176	81.8	0.0	161.8





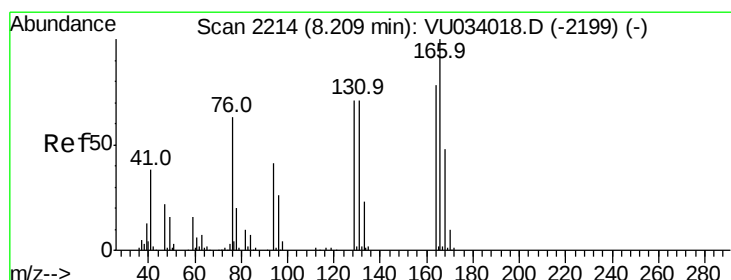
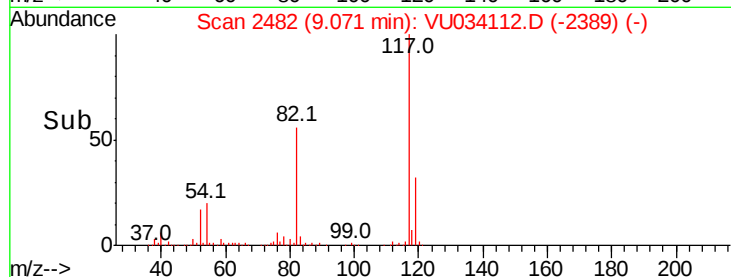
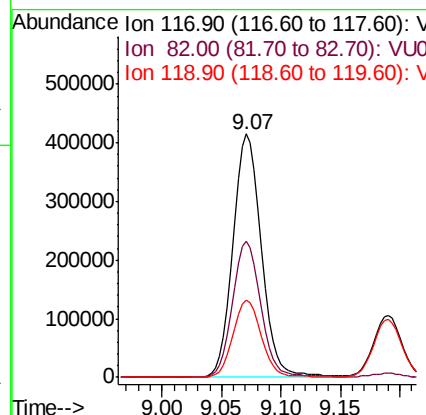
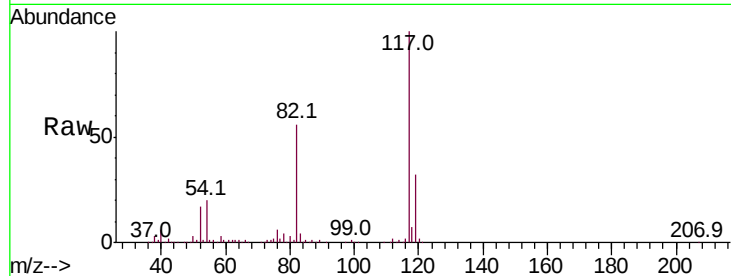
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.1	67.7
119	31.6	25.4	38.0

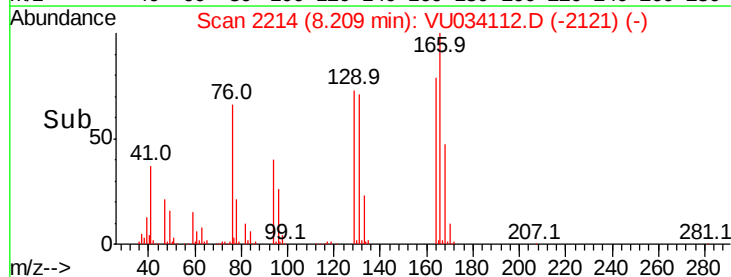
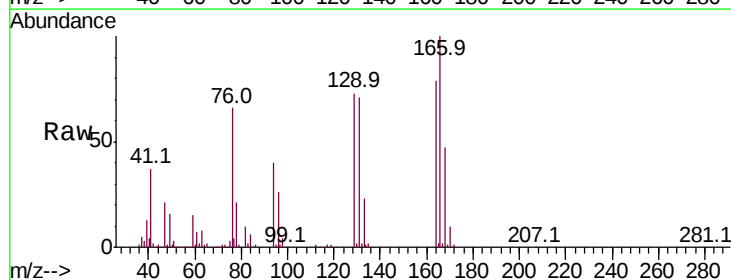
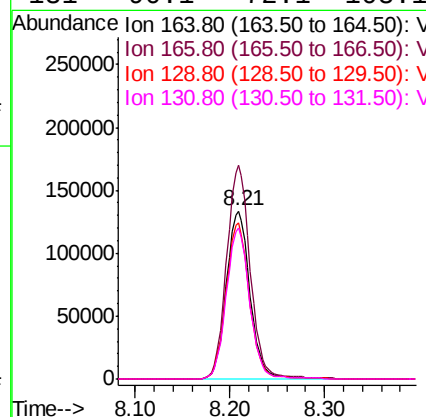
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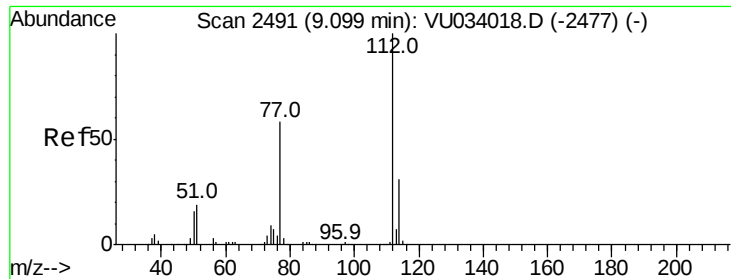
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#64
Tetrachloroethene
Concen: 50.196 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.2	153.2
129	92.8	72.4	108.6
131	90.1	72.1	108.1





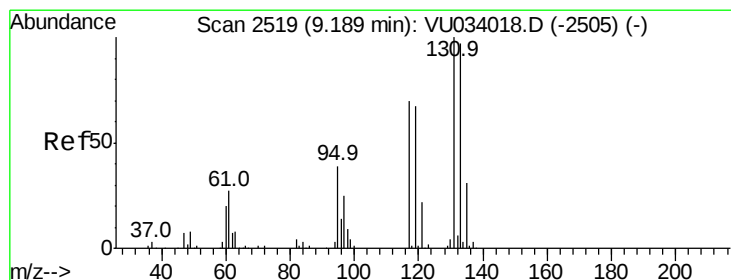
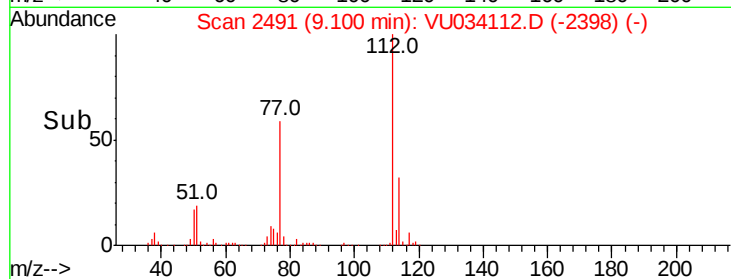
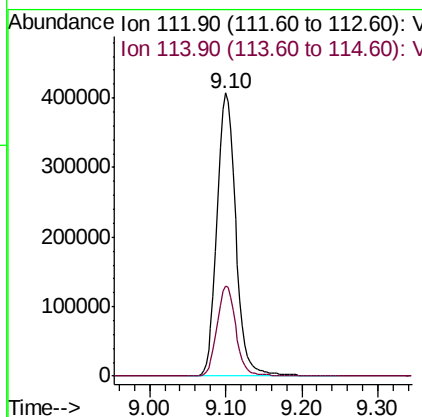
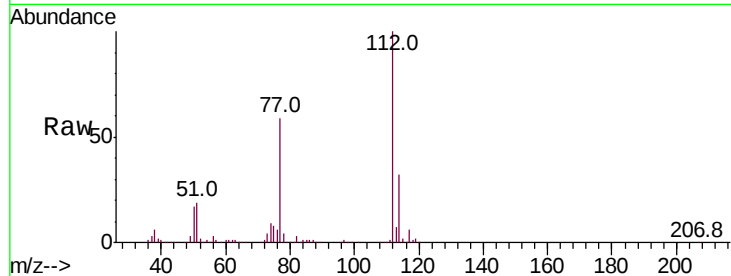
#65
Chlorobenzene
Concen: 49.259 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
112	100	699195		
114	32.0	25.0	37.4	

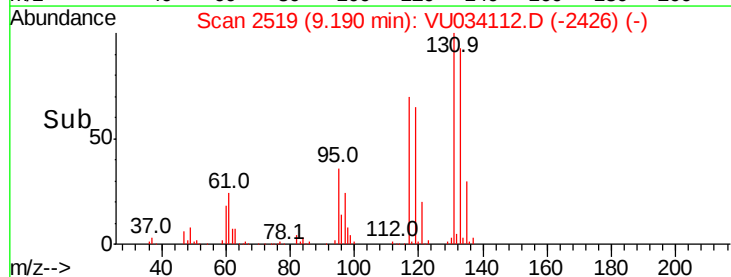
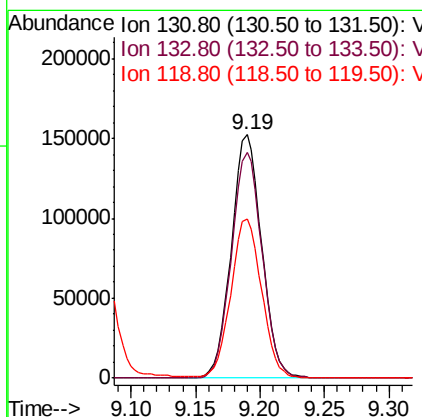
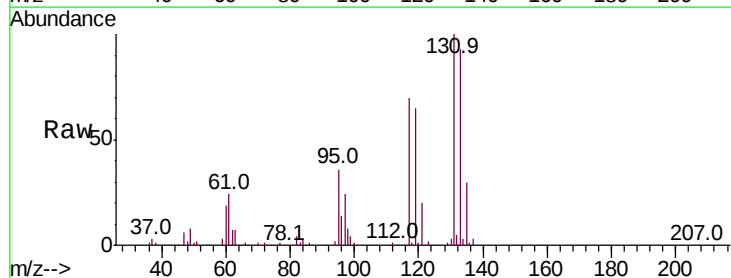
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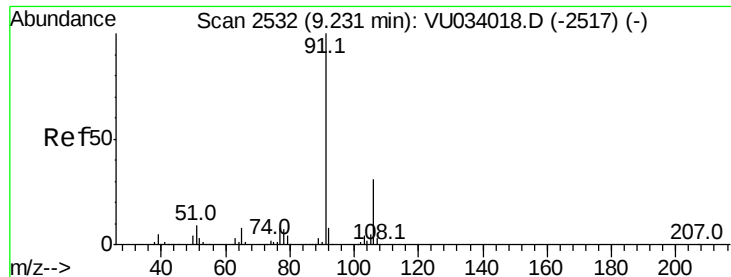
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.332 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	248767		
133	94.1	48.4	145.2	
119	65.8	33.6	100.6	





#67

Ethyl Benzene

Concen: 50.826 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1222931

Ion Ratio Lower Upper

91 100

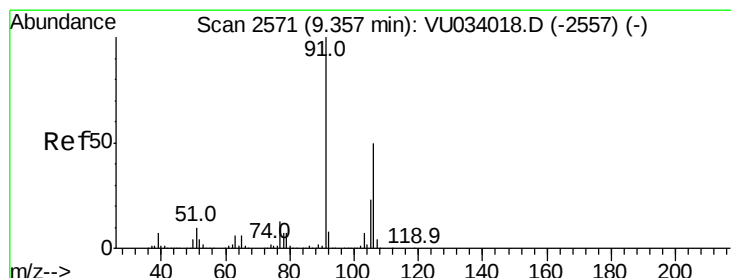
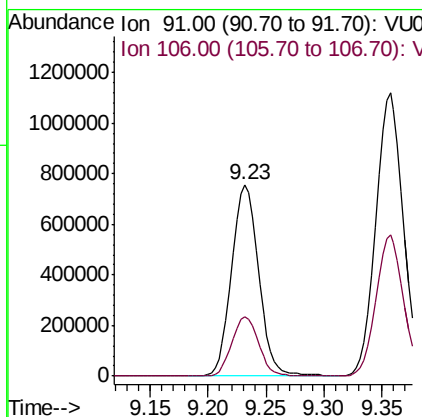
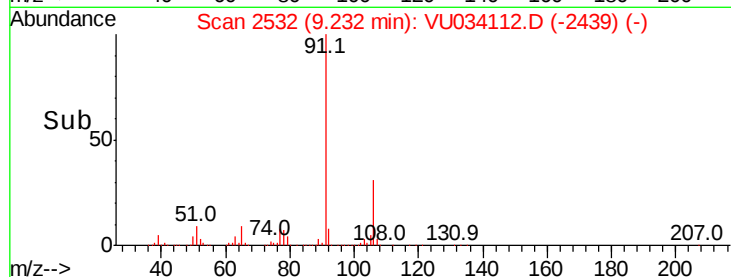
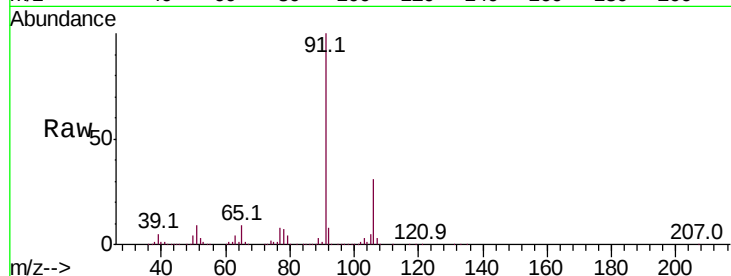
106 31.2 24.9 37.3

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#68

m/p-Xylenes

Concen: 102.294 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034112.D

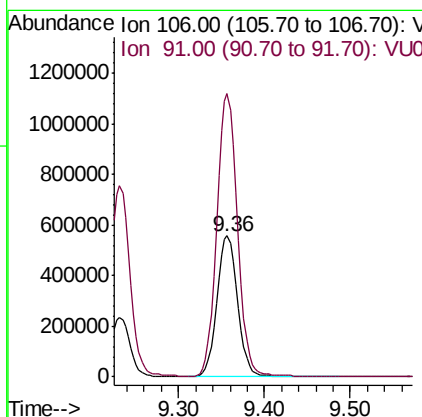
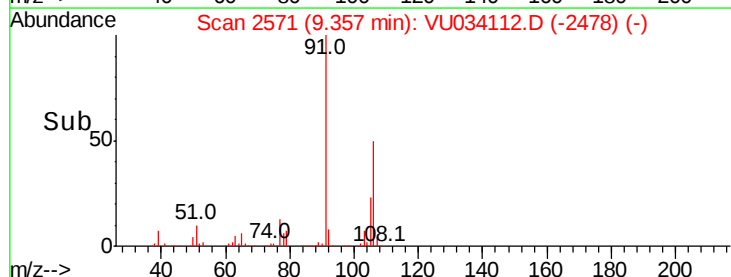
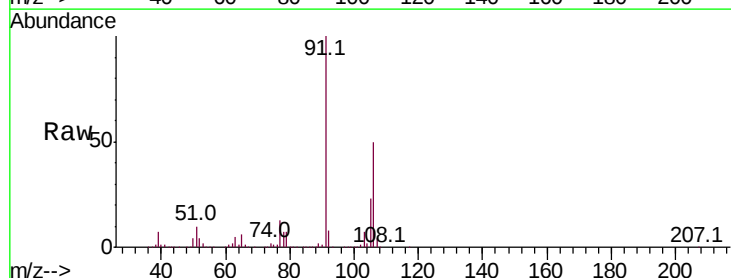
Acq: 30 Aug 2019 20:33

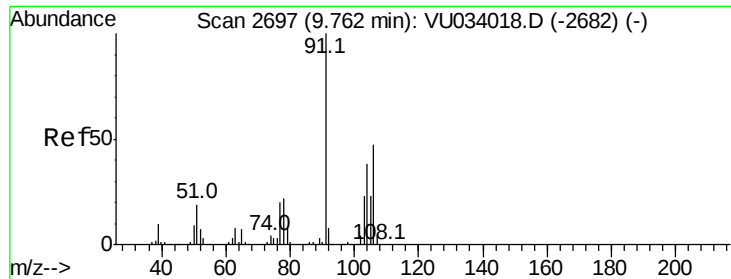
Tgt Ion: 106 Resp: 935894

Ion Ratio Lower Upper

106 100

91 200.7 161.6 242.4





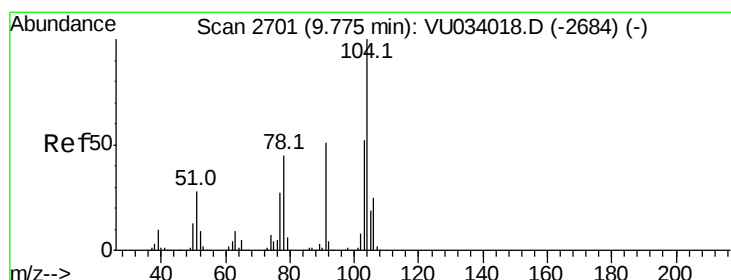
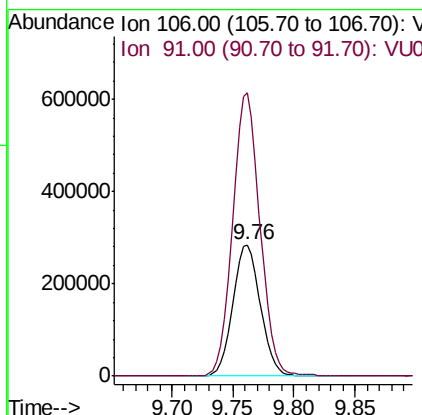
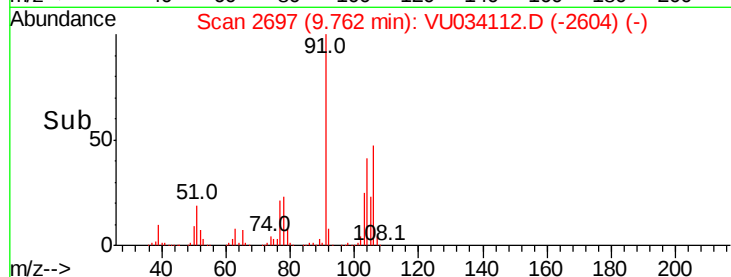
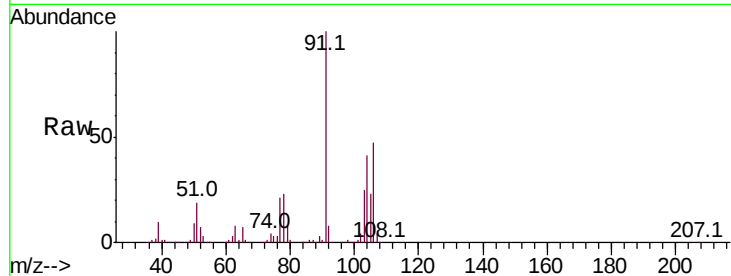
#69
o-Xylene
Concen: 50.935 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	213.8	106.0	318.0

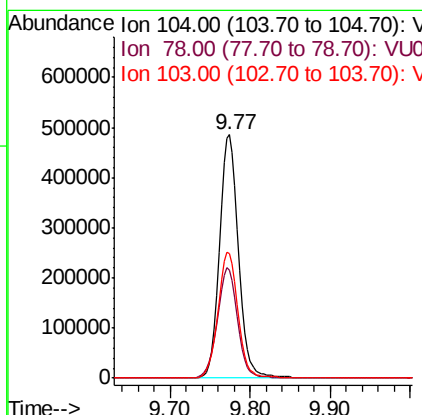
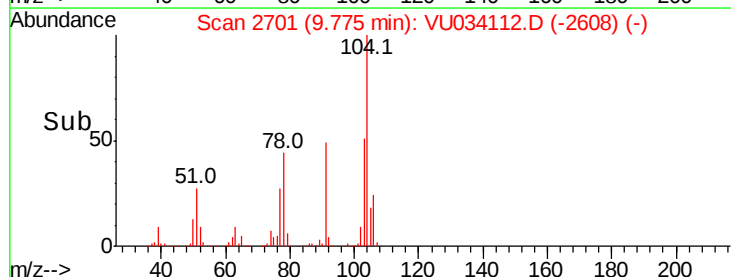
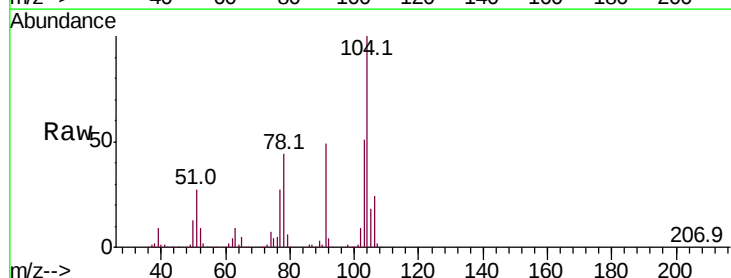
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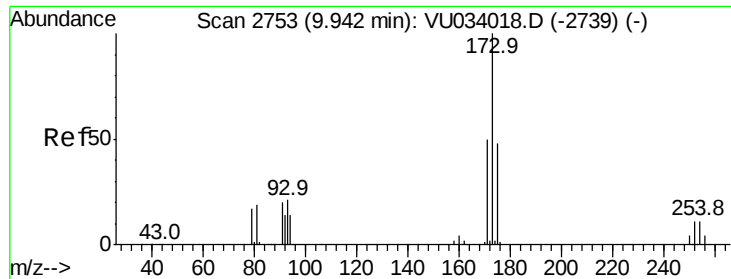
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#70
Styrene
Concen: 53.131 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.4	39.0	58.4
103	54.5	44.0	66.0





#71

Bromoform

Concen: 47.491 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 212378

Ion Ratio Lower Upper

173 100

175 49.7 24.6 73.6

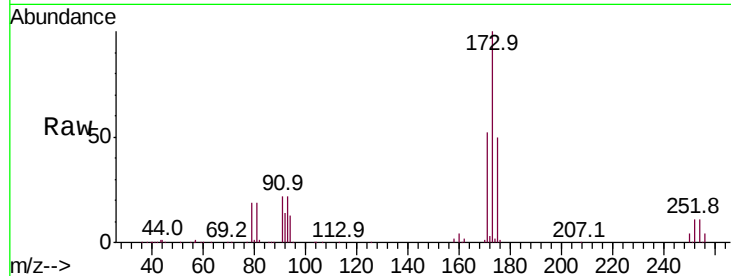
254 0.1 0.0 0.0#

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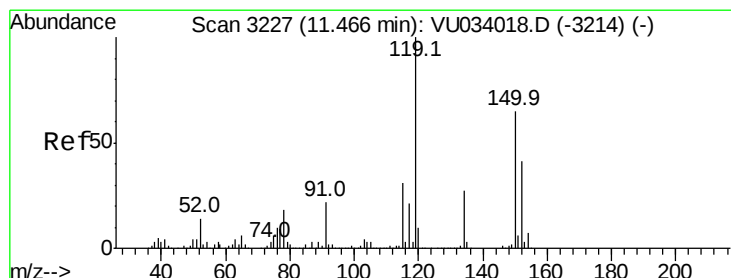
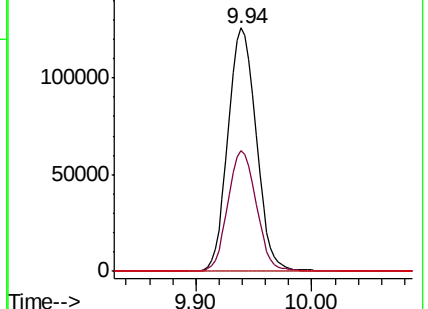
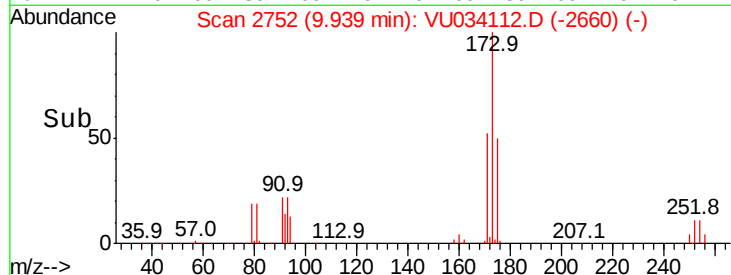
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

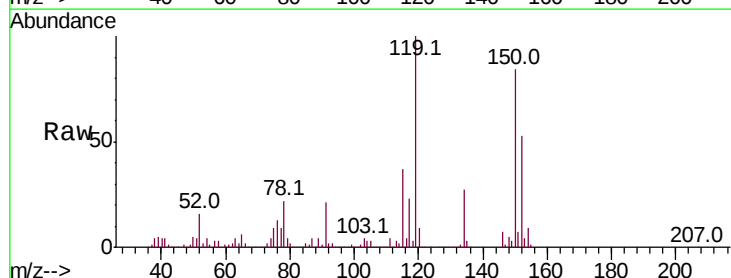
Tgt Ion:152 Resp: 367566

Ion Ratio Lower Upper

152 100

115 75.8 41.1 123.3

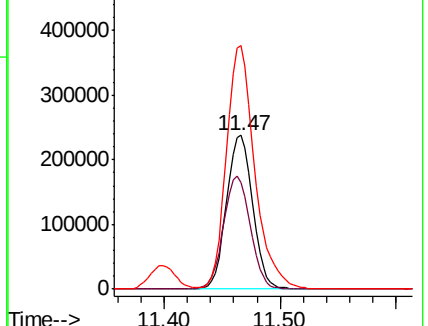
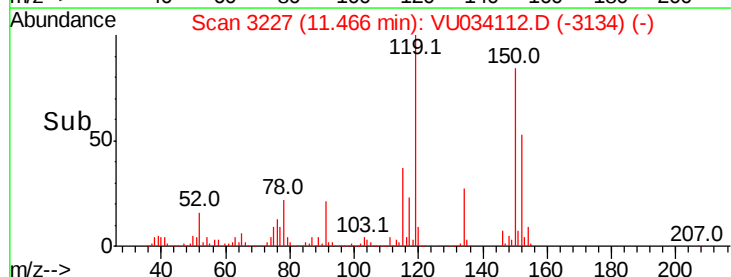
150 171.8 0.0 348.8

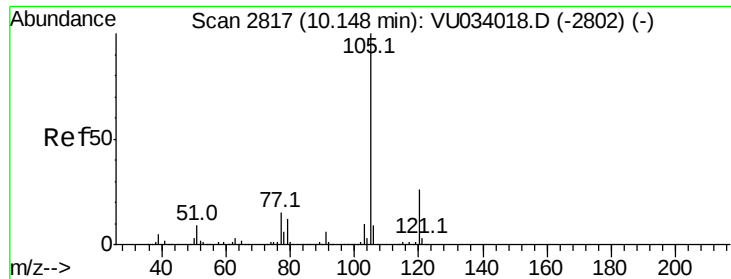


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.307 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1192659

Ion Ratio Lower Upper

105 100

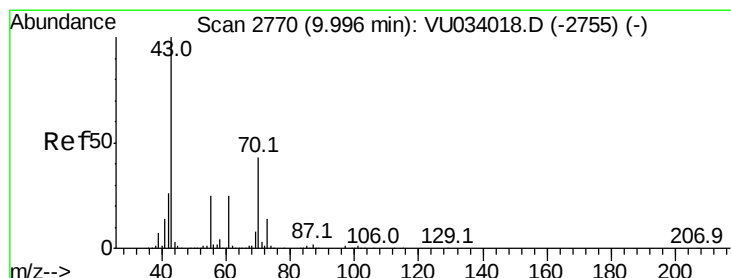
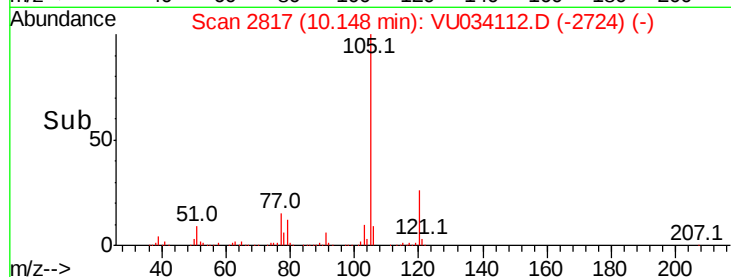
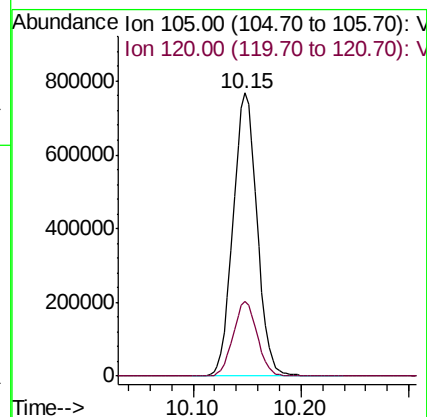
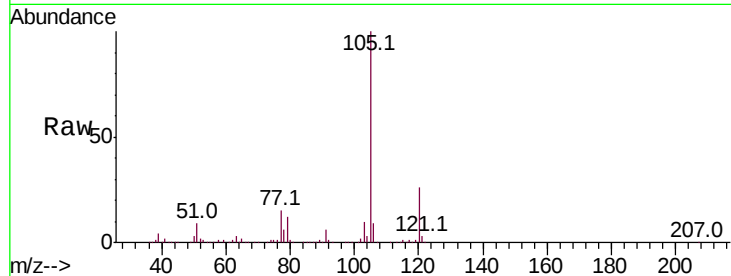
120 26.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 52.095 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion: 43 Resp: 540952

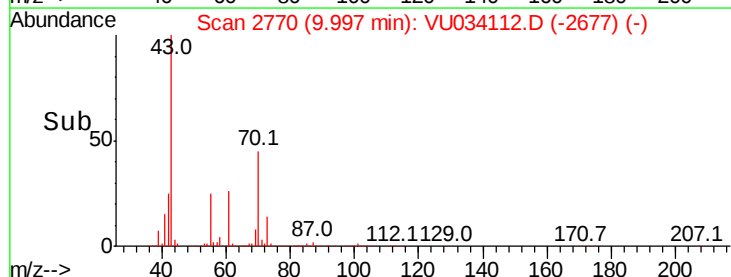
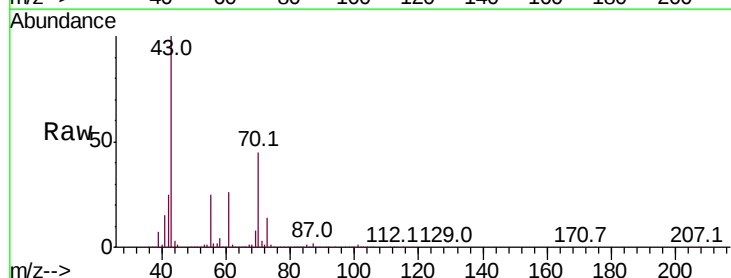
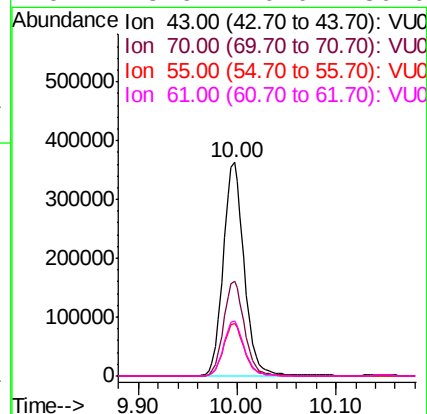
Ion Ratio Lower Upper

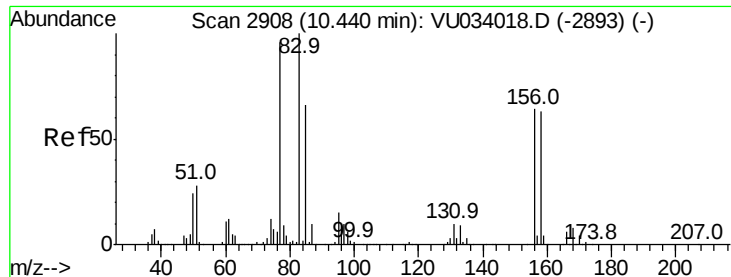
43 100

70 44.5 35.2 52.8

55 24.7 20.5 30.7

61 25.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.808 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 432877

Ion Ratio Lower Upper

83 100

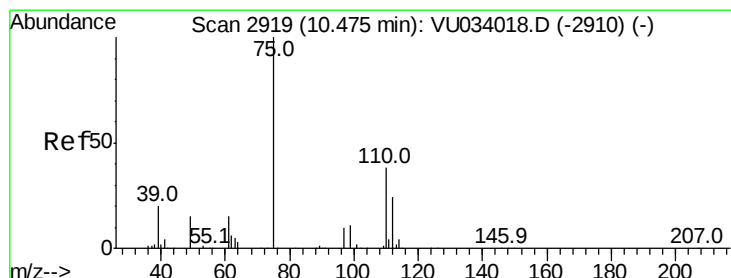
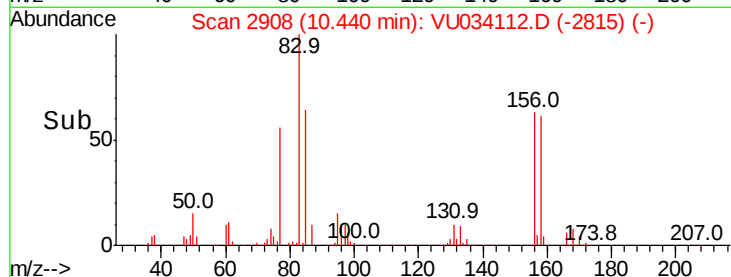
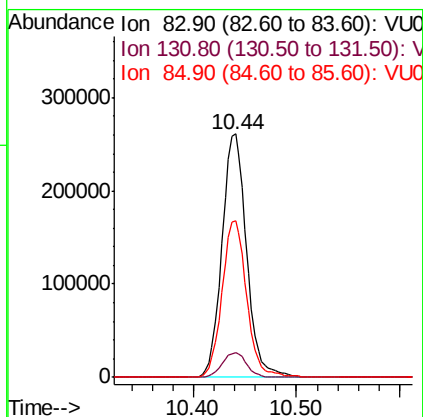
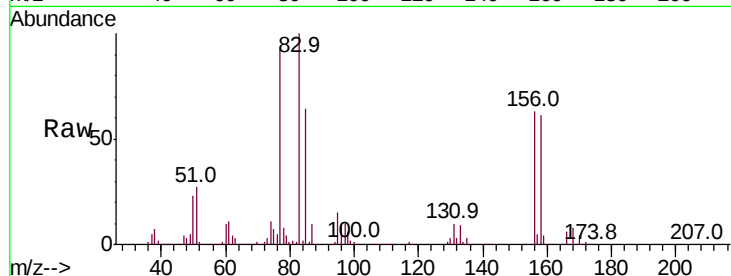
131 10.0 5.0 14.9

85 64.6 32.2 96.6

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#76

1,2,3-Trichloropropane

Concen: 45.537 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034112.D

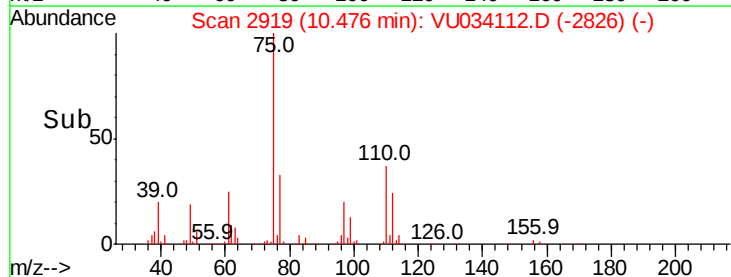
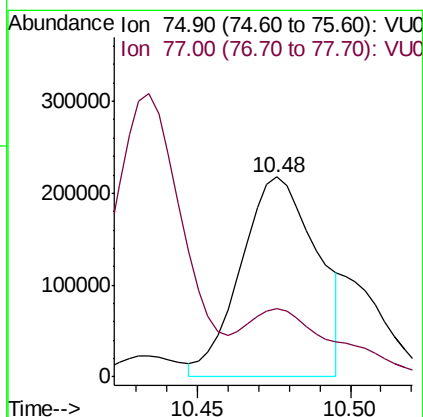
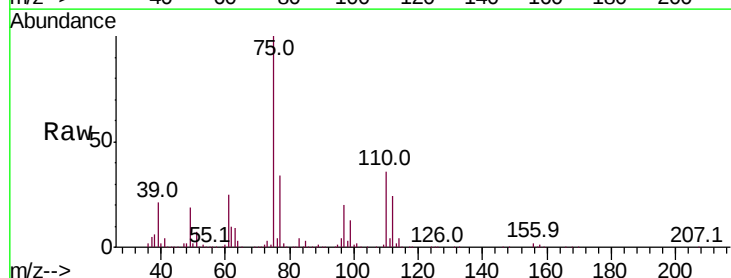
Acq: 30 Aug 2019 20:33

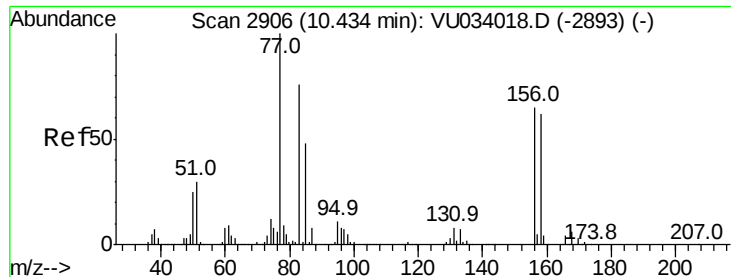
Tgt Ion: 75 Resp: 377244

Ion Ratio Lower Upper

75 100

77 41.9 20.1 60.2





#77

Bromobenzene

Concen: 47.712 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

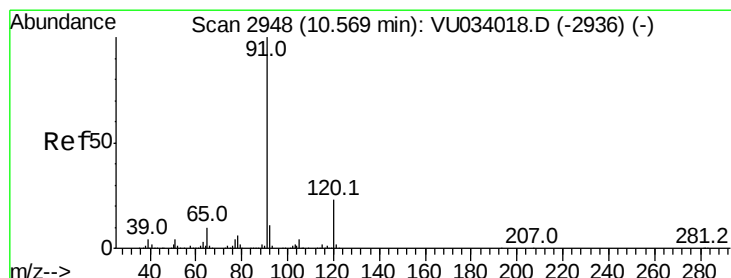
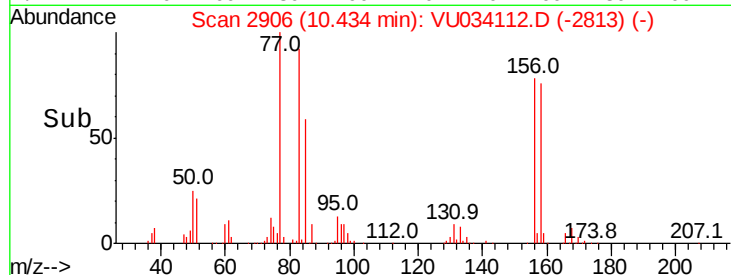
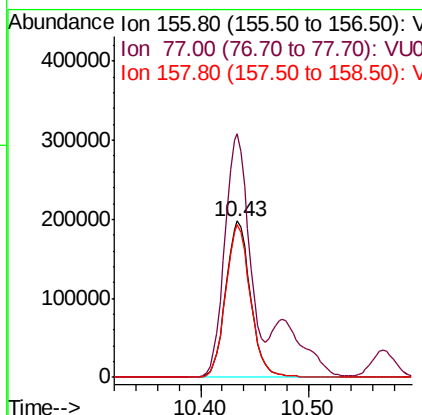
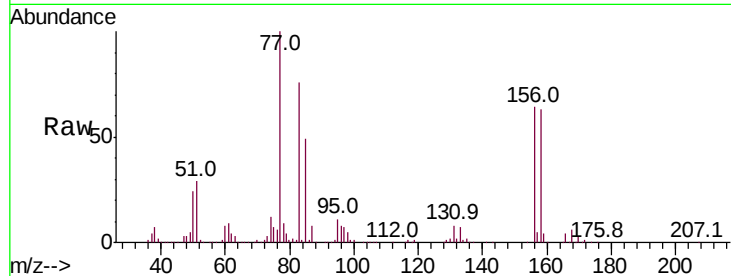
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	316877
Ion Ratio	Lower	Upper	
156	100		
77	154.9	76.8	230.5
158	97.8	48.4	145.0

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#78

n-propylbenzene

Concen: 47.773 ug/l

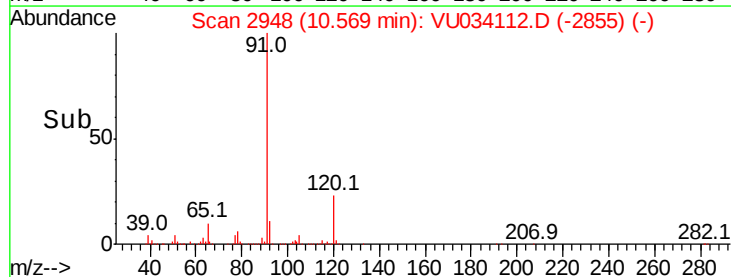
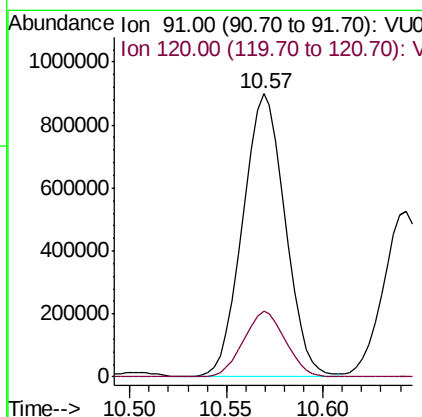
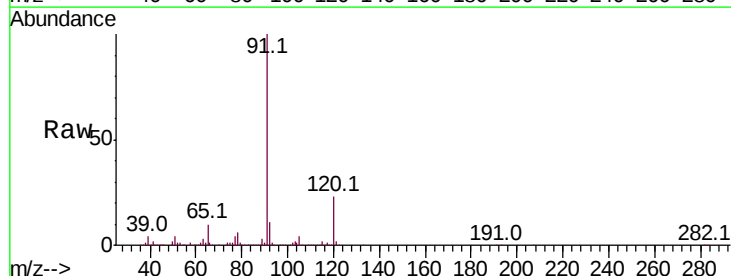
RT: 10.57 min Scan# 2948

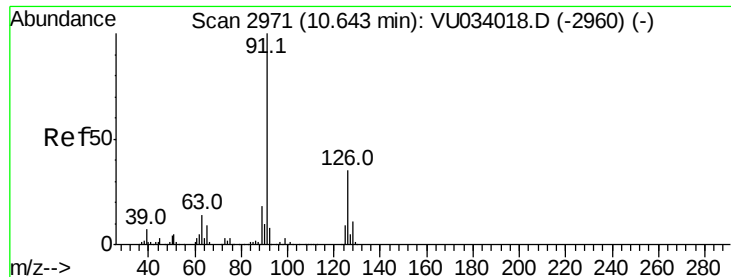
Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion:	91	Resp:	1373610
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 47.858 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 825377

Ion Ratio Lower Upper

91 100

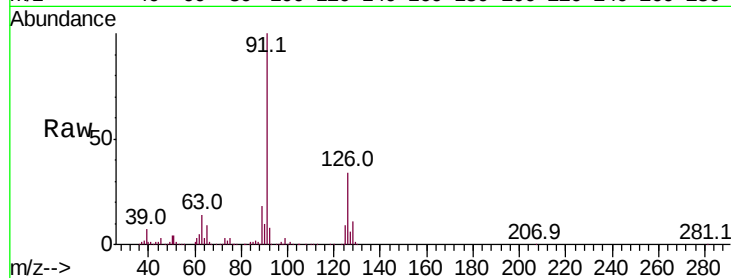
126 34.2 17.1 51.2

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Abundance Ion 91.00 (90.70 to 91.70): VU034112.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034112.D (-2960) (-)

1000000

800000

600000

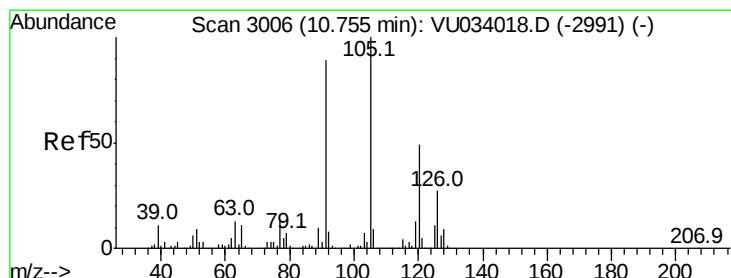
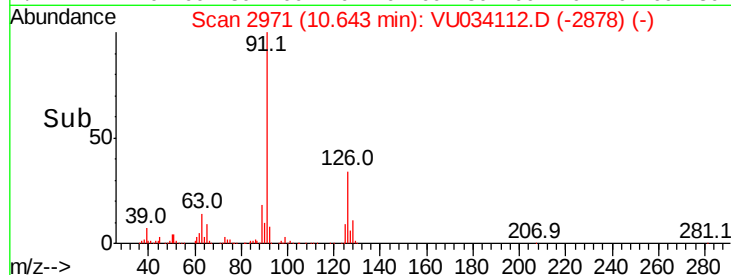
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.916 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034112.D

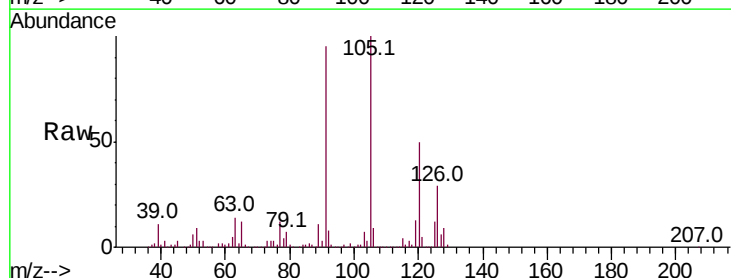
Acq: 30 Aug 2019 20:33

Tgt Ion:105 Resp: 1002671

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VU034112.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034112.D (-2991) (-)

600000

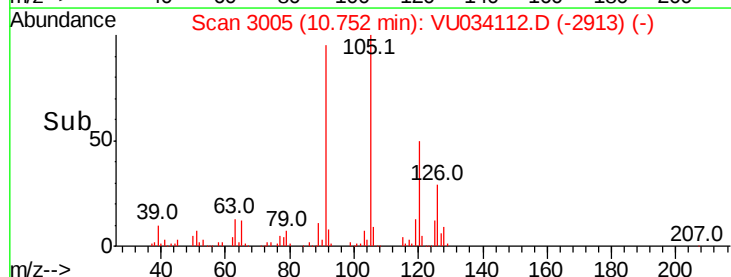
400000

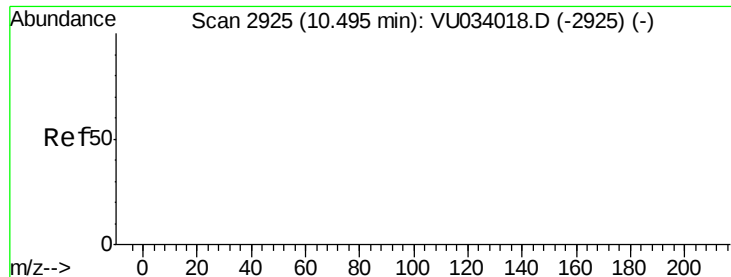
200000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.490 ug/l m

RT: 10.50 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU034112.D

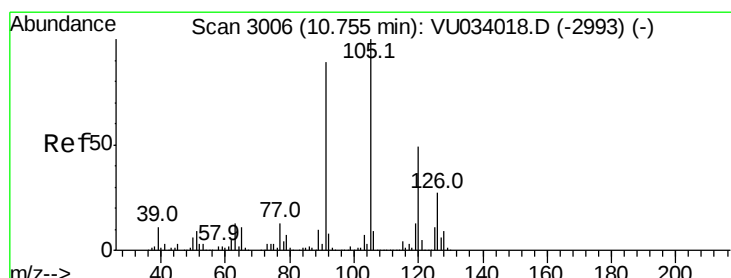
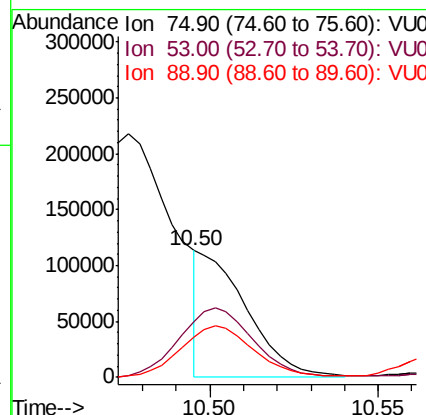
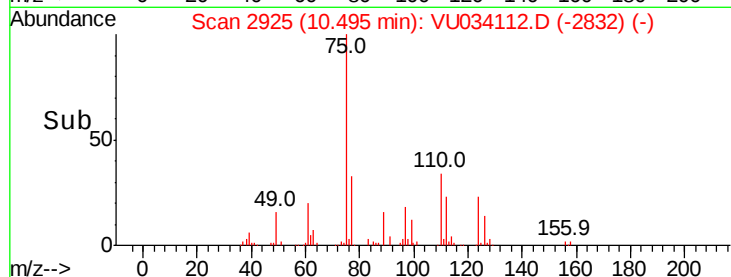
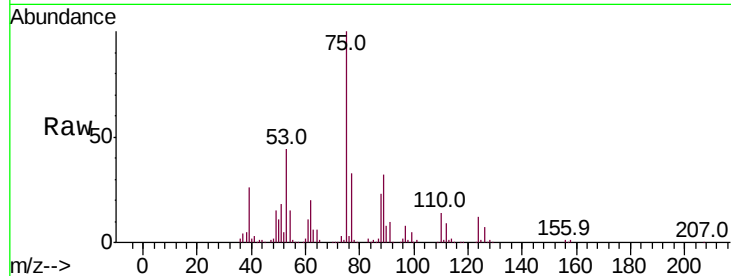
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.713 ug/l

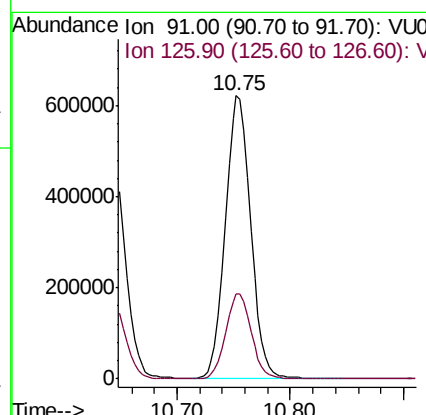
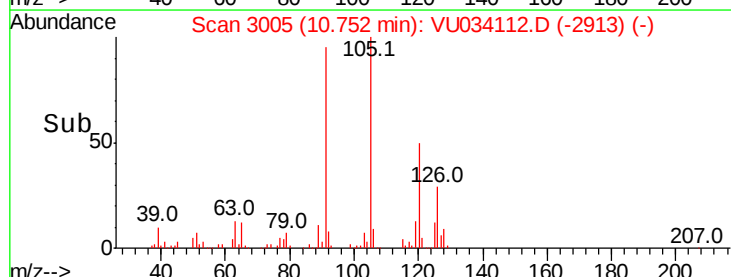
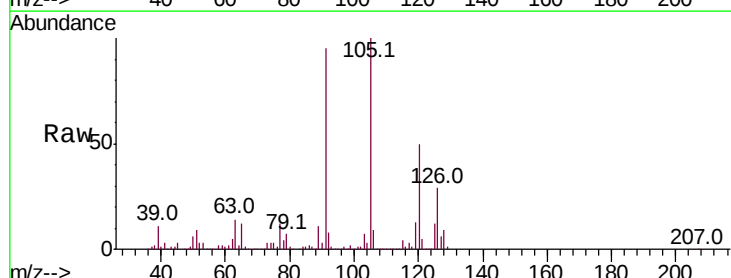
RT: 10.75 min Scan# 3005

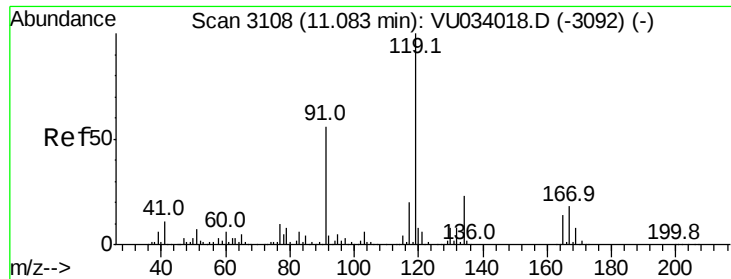
Delta R.T. -0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.0	45.1





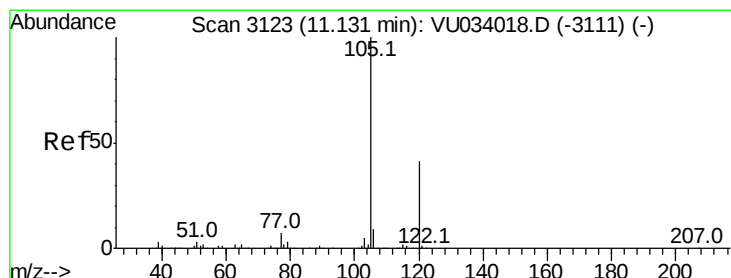
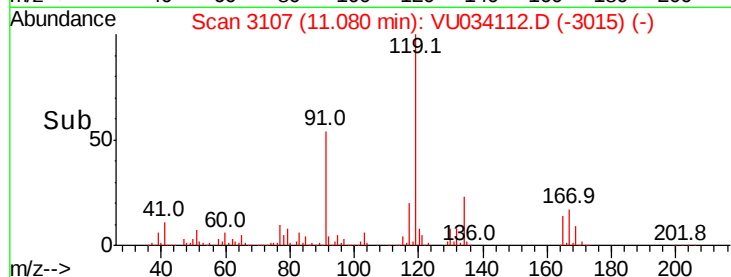
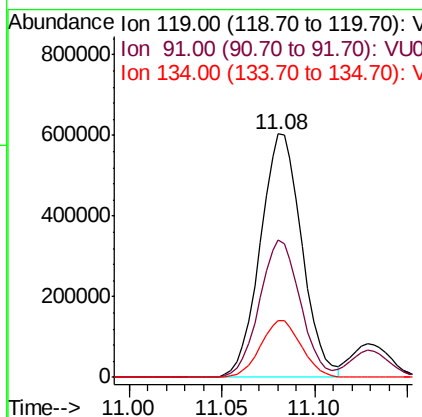
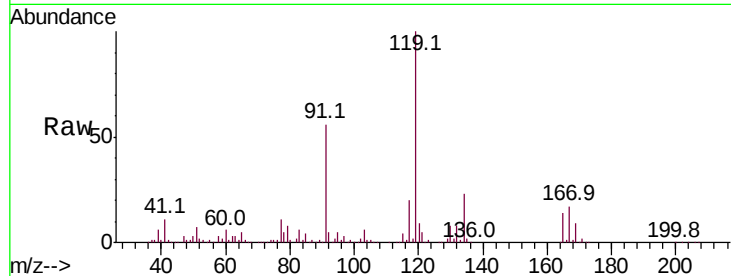
#83
tert-Butylbenzene
Concen: 45.911 ug/l
RT: 11.08 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	945758		
91	55.3	27.9	83.6	
134	22.9	11.4	34.2	

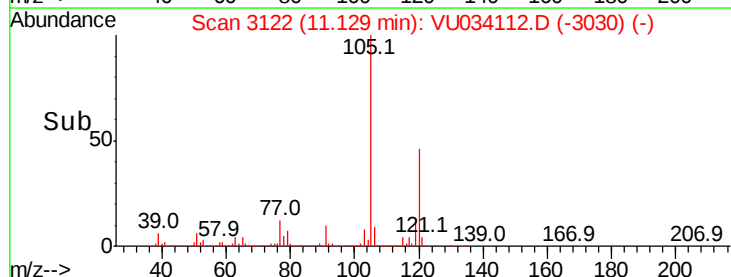
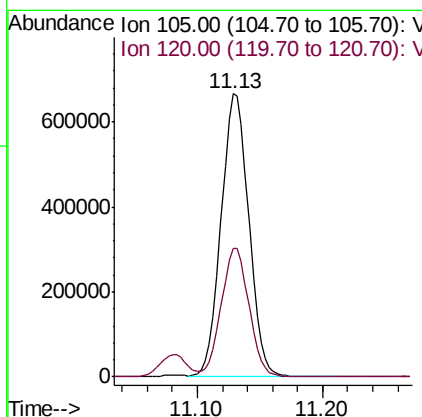
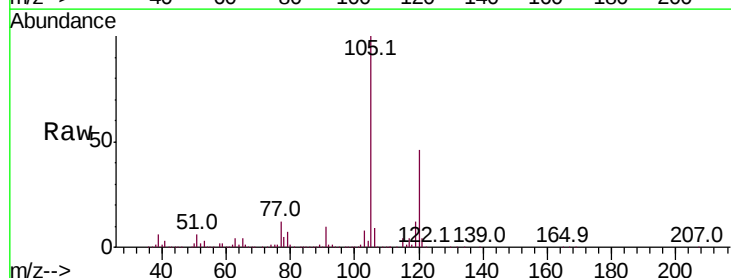
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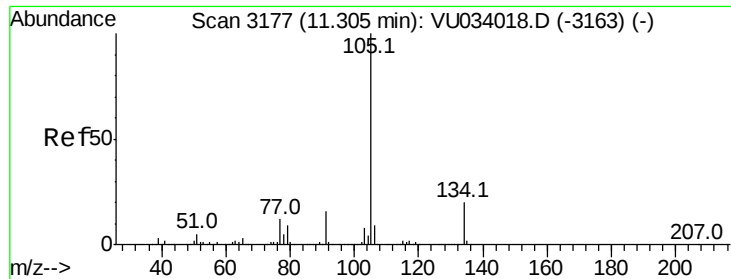
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#84
1,2,4-Trimethylbenzene
Concen: 48.927 ug/l
RT: 11.13 min Scan# 3122
Delta R.T. -0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1016639		
120	45.6	22.6	67.8	





#85

sec-Butylbenzene

Concen: 44.409 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1096438

Ion Ratio Lower Upper

105 100

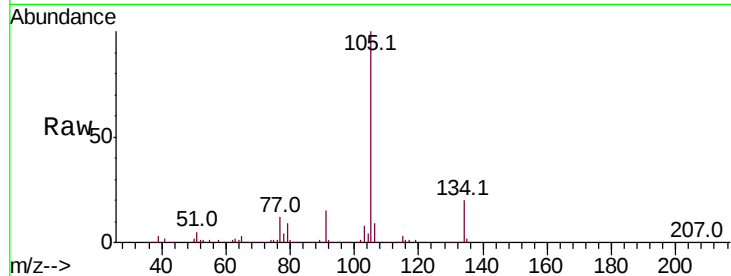
134 20.0 10.0 30.0

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

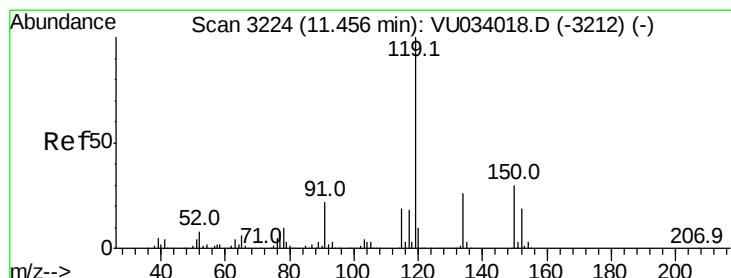
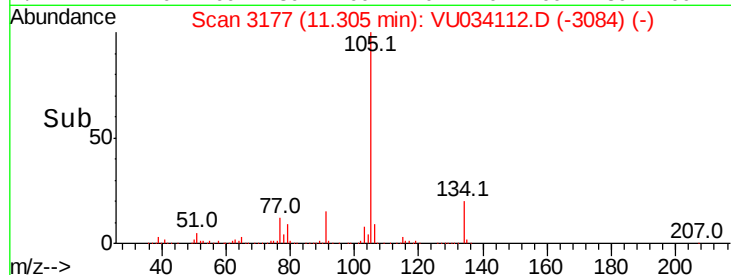
600000

400000

200000

0

Time--> 11.20 11.30 11.40



#86

p-Isopropyltoluene

Concen: 45.791 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034112.D

Acq: 30 Aug 2019 20:33

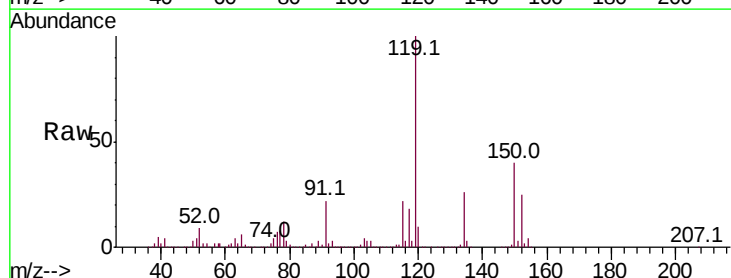
Tgt Ion:119 Resp: 1022503

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 21.9 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

800000

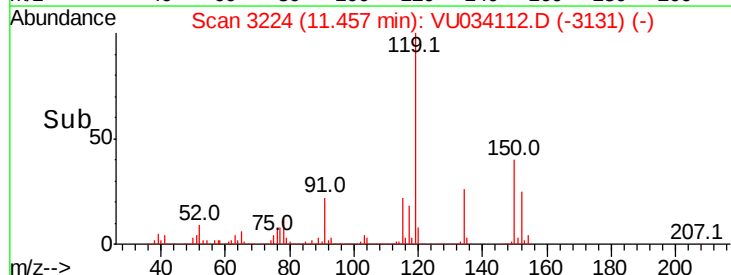
600000

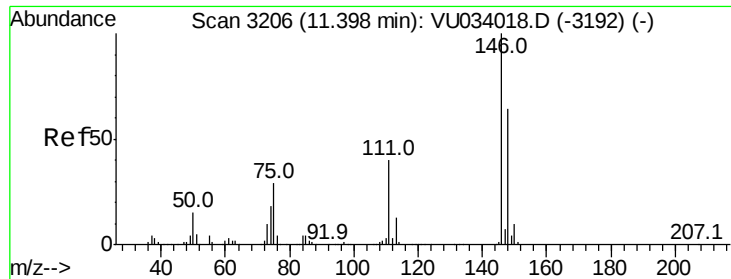
400000

200000

0

Time--> 11.40 11.50 11.60





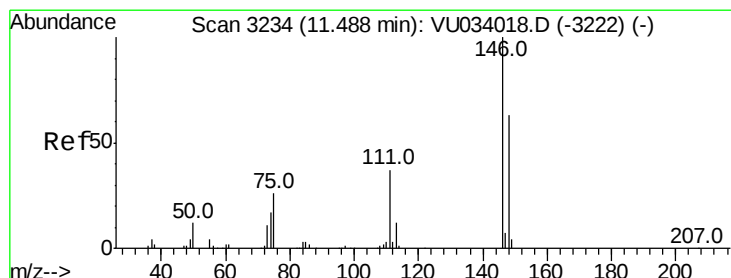
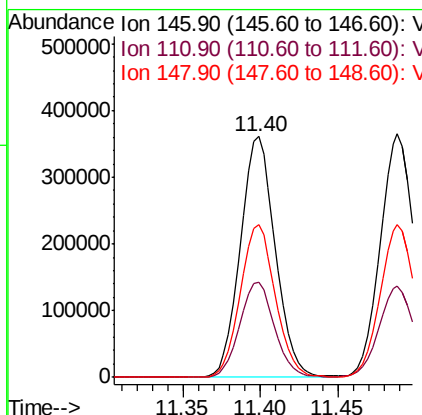
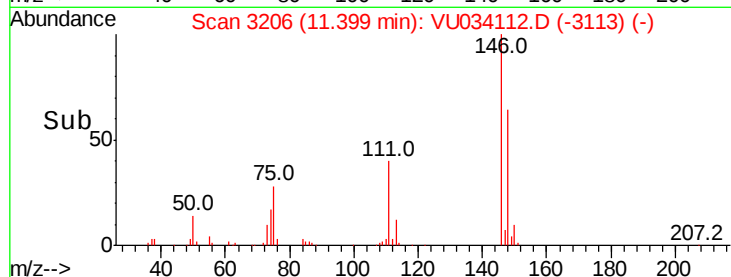
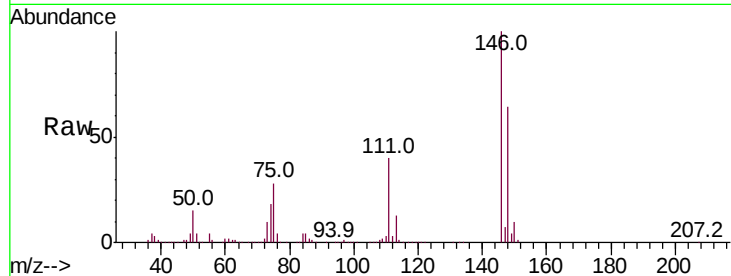
#87
 1,3-Dichlorobenzene
 Concen: 48.259 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.5	31.9	95.5

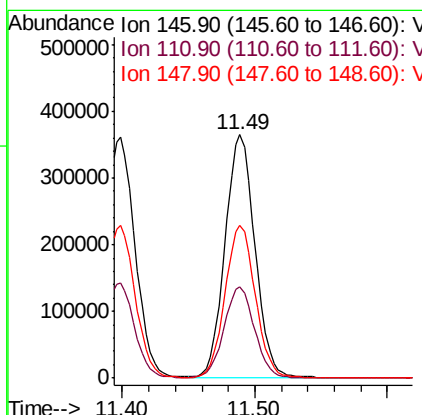
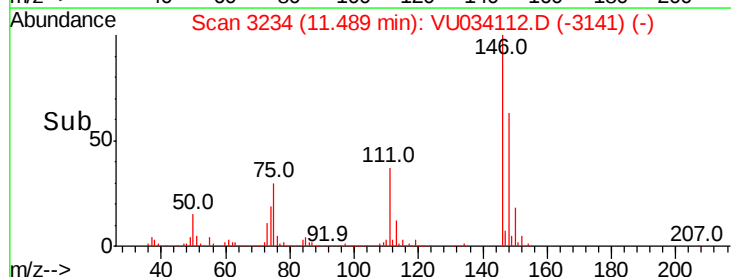
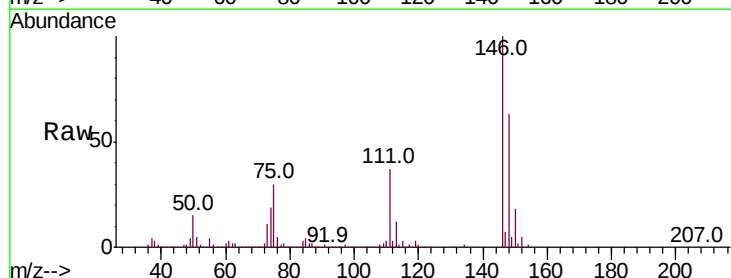
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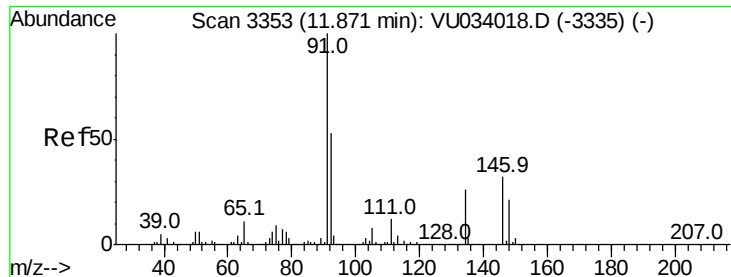
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#88
 1,4-Dichlorobenzene
 Concen: 47.884 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	63.4	31.9	95.9





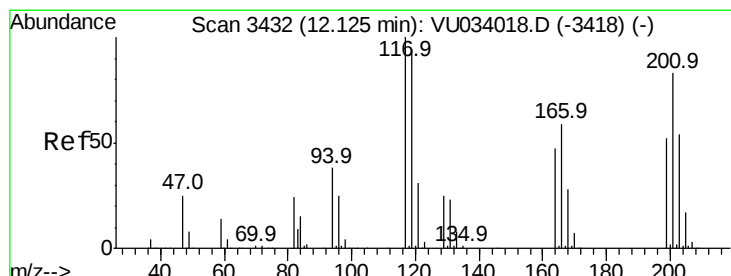
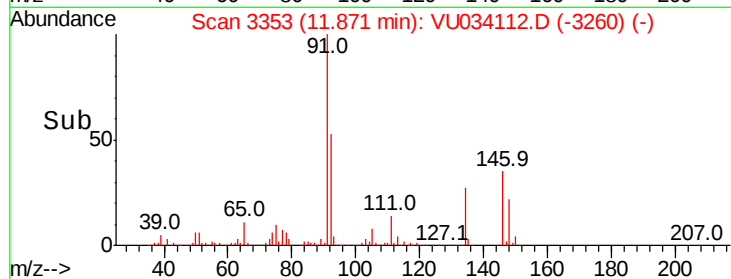
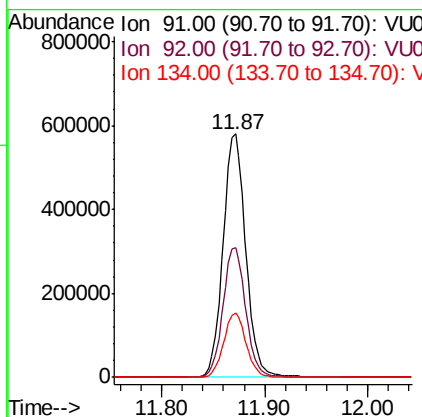
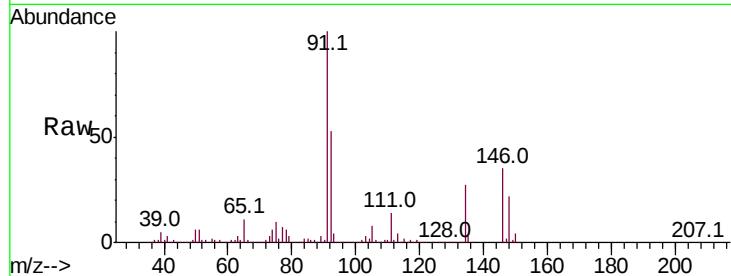
#89
n-Butylbenzene
Concen: 45.135 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.3	78.9
134	26.4	12.9	38.7

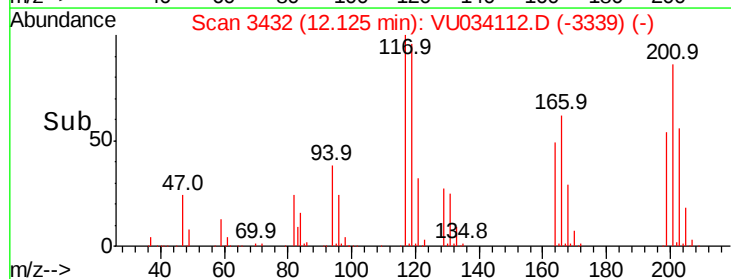
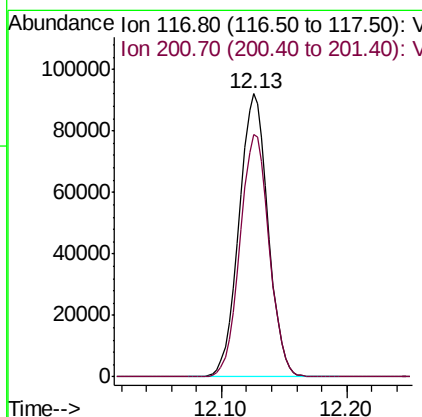
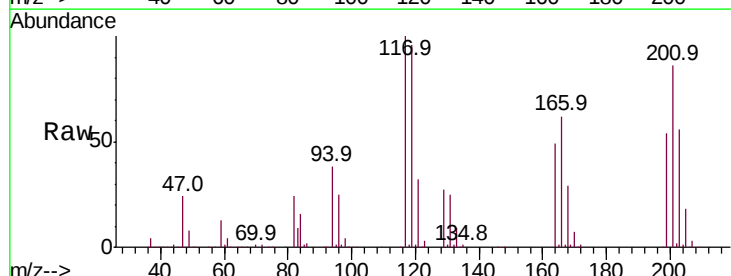
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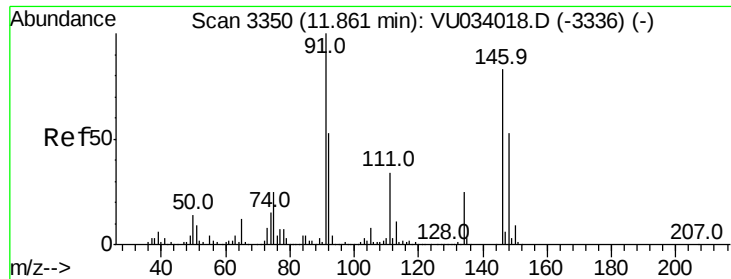
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#90
Hexachloroethane
Concen: 38.418 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	42.5	127.6





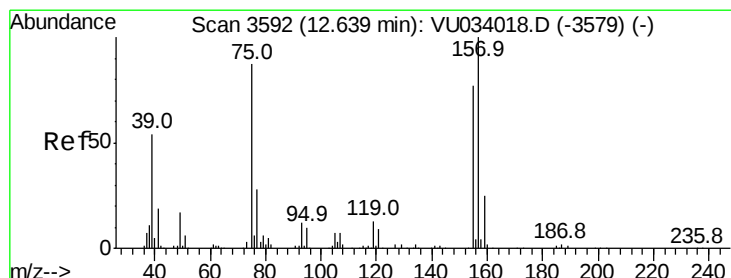
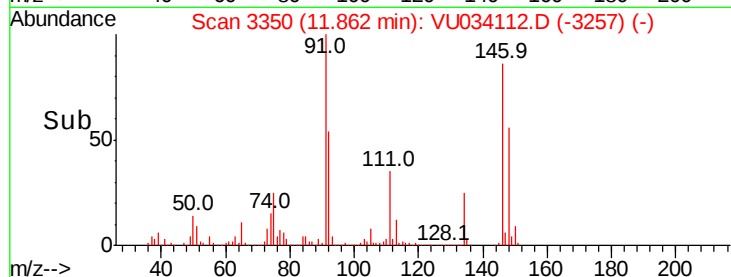
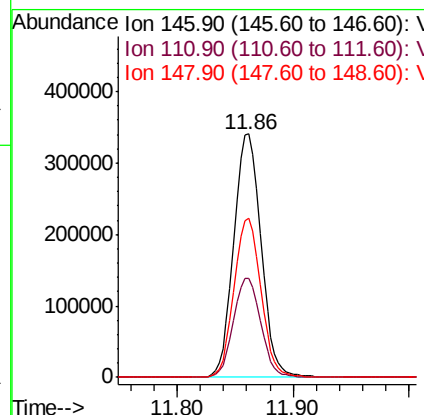
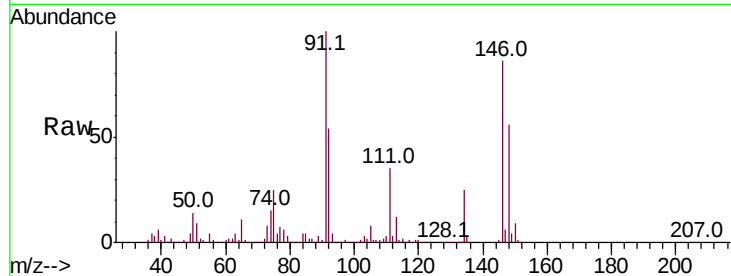
#91
 1,2-Dichlorobenzene
 Concen: 49.134 ug/l
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	553397		
111	40.9	20.4	61.2	
148	64.5	32.3	96.8	

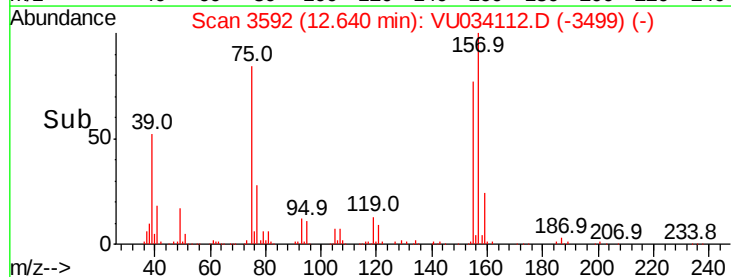
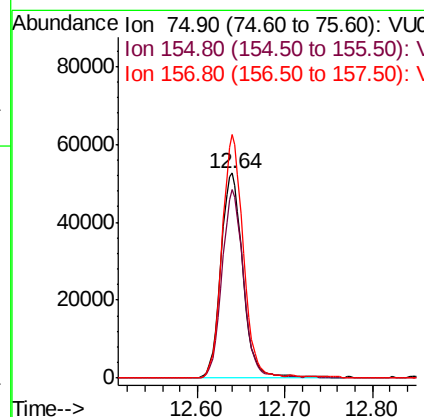
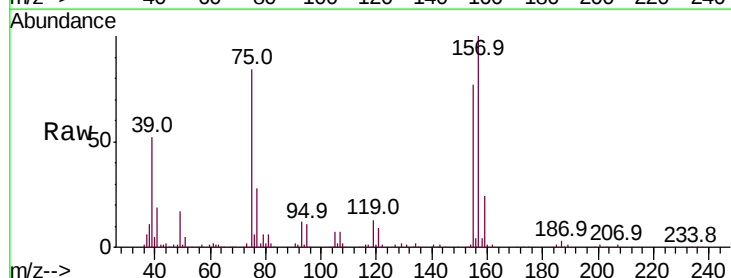
Manual Integrations
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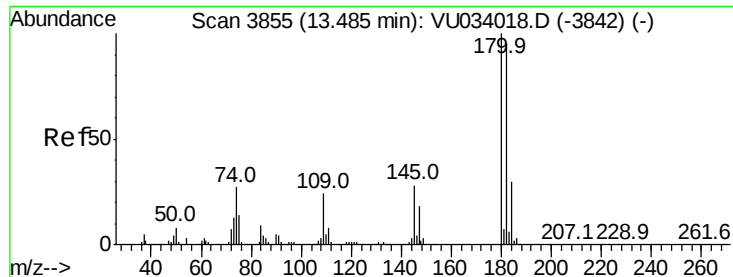
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.034 ug/l
 RT: 12.64 min Scan# 3592
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	92311		
155	89.6	43.5	130.7	
157	113.2	56.9	170.6	





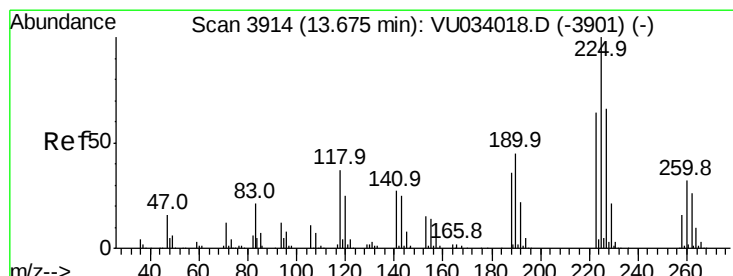
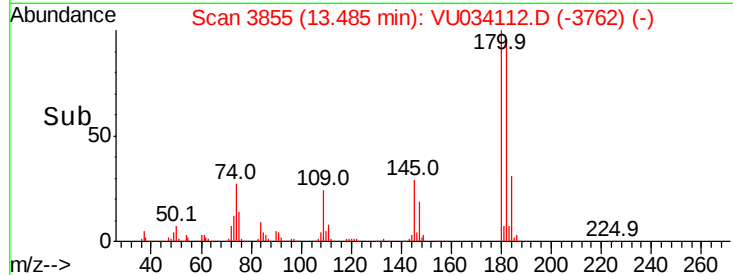
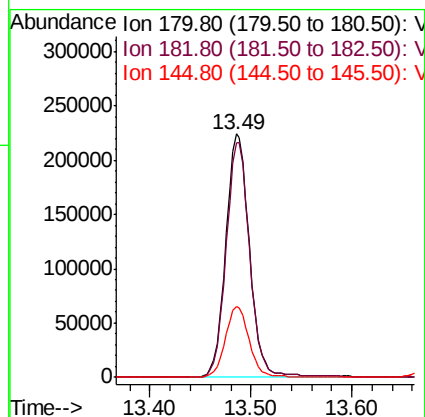
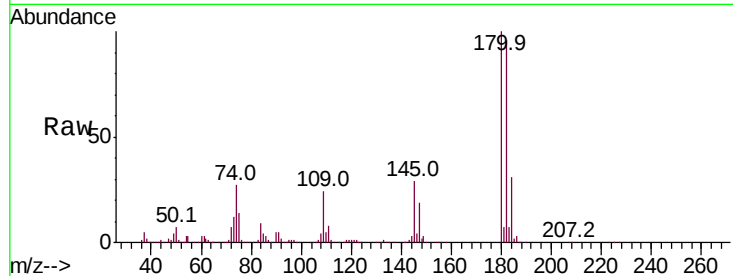
#93
 1,2,4-Trichlorobenzene
 Concen: 46.292 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	370183
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.4	142.2
145	29.2	14.1	42.3

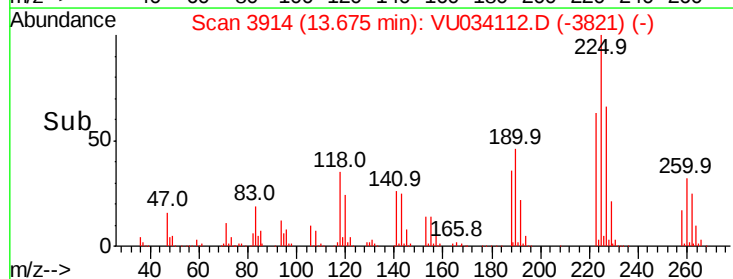
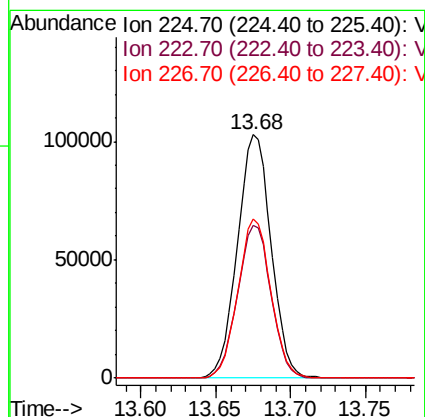
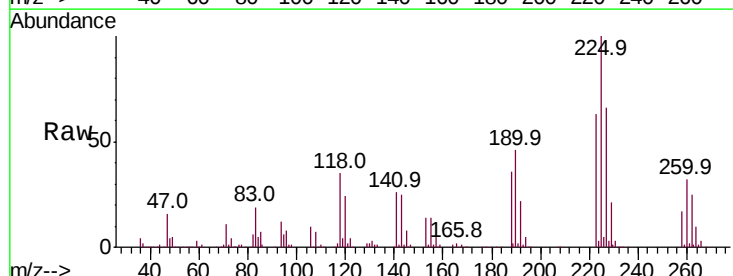
Manual Integrations
 APPROVED

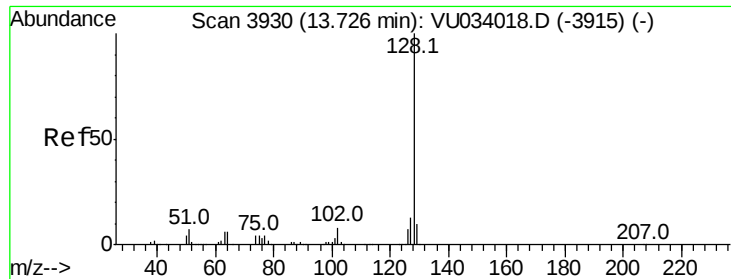
MMDadoda
 8/31/2019 11:25:04 AM



#94
 Hexachlorobutadiene
 Concen: 36.591 ug/l
 RT: 13.68 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034112.D
 Acq: 30 Aug 2019 20:33

Tgt Ion:	225	Resp:	161223
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.8	95.3
227	64.1	32.6	97.8





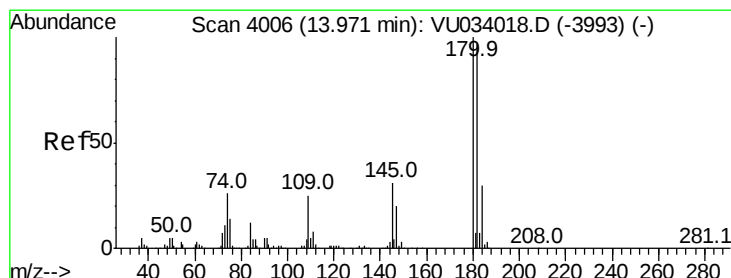
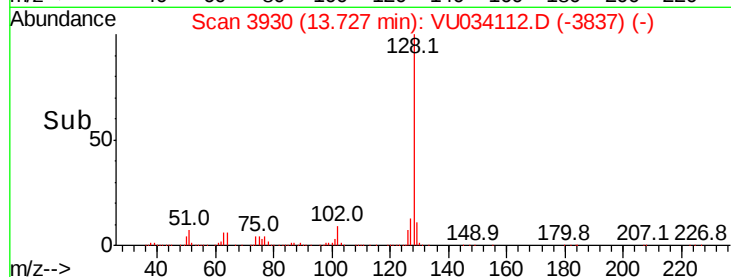
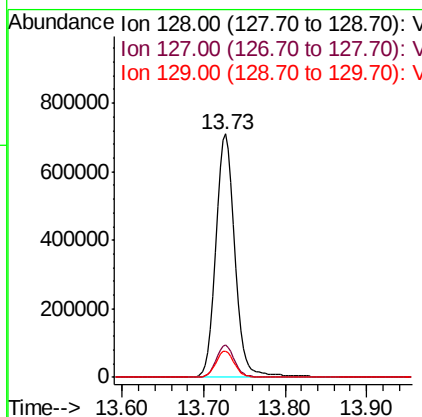
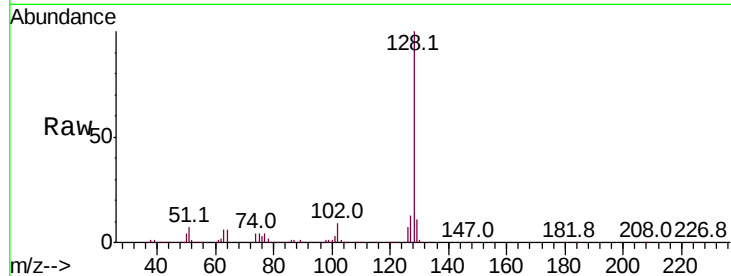
#95
Naphthalene
Concen: 51.497 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.6	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/31/2019 11:25:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.575 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034112.D
Acq: 30 Aug 2019 20:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.2	144.6
145	30.9	15.5	46.5

