

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
 Data File : VU028340.D
 Acq On : 26 Nov 2018 15:45
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 2:33:44 PM

Quant Time: Nov 27 01:52:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U0112618DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	50425	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	17208	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	16684	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.21	85	172280	9.498	ug/l	100
3) Chloromethane	1.32	50	281962	9.133	ug/l	99
4) Vinyl Chloride	1.40	62	205452	9.723	ug/l	100
5) Bromomethane	1.63	94	66986	8.047	ug/l	94
6) Chloroethane	1.70	64	118199	9.582	ug/l	98
7) Trichlorofluoromethane	1.89	101	225999	9.793	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	132357	9.972	ug/l	99
9) 1,1-Dichloroethene	2.29	96	117413	9.564	ug/l	97
10) Iodomethane	2.41	142	97853	11.785	ug/l	98
11) Allyl Chloride	2.59	41	301309	9.722	ug/l	99
12) Acrylonitrile	2.95	53	78343	20.034	ug/l	94
13) Acetone	2.34	43	158936	43.857	ug/l	96
14) Carbon Disulfide	2.48	76	446465	9.574	ug/l	99
15) Methylene Chloride	2.70	84	143387	9.578	ug/l	97
16) trans-1,2-Dichloroethene	2.98	96	131514	9.572	ug/l	98
17) 1,1-Dichloroethane	3.44	63	300803	9.821	ug/l	98
18) 2-Butanone	4.29	43	270872	50.021	ug/l	100
19) Cyclohexane	4.99	56	268982	10.116	ug/l	100
20) Methylcyclohexane	6.41	83	266800	10.250	ug/l	99
21) 2,2-Dichloropropane	4.22	77	233046	9.480	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	157216	9.778	ug/l	96
23) Diethyl Ether	2.11	59	120950	9.828	ug/l	98
24) tert-Butyl Alcohol	2.88	59	116862	94.602	ug/l	98
25) Methyl tert-Butyl Ether	3.01	73	365123	10.012	ug/l	99
26) Bromochloromethane	4.55	128	58997	9.626	ug/l	96
27) Chloroform	4.67	83	277759	9.403	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	229611	9.954	ug/l	98
29) 1,1-Dichloropropene	5.13	75	220525	9.965	ug/l	98
30) Carbon Tetrachloride	5.13	117	179175	9.619	ug/l	98
31) Isopropyl Ether	3.58	45	543156	9.902	ug/l	100
32) Ethyl-t-butyl ether	4.08	59	449741	9.955	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	374234	9.986	ug/l	100
34) Propionitrile	4.36	54	72163	53.047	ug/l #	95
35) Benzene	5.39	78	647464	9.939	ug/l	99
36) 1,2-Dichloroethane	5.40	62	191382	9.822	ug/l	100
37) Trichloroethene	6.18	130	141307	9.959	ug/l	96
38) 1,2-Dichloropropane	6.43	63	184626	9.938	ug/l	97
39) Methacrylonitrile	4.55	41	70987	9.742	ug/l	97
40) Methyl acrylate	4.43	55	94684	9.445	ug/l	97
41) Tetrahydrofuran	4.66	42	72312	19.743	ug/l	97
42) 1-Chlorobutane	5.06	56	349726	9.942	ug/l	98

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Nov 27 01:03:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	79045	9.995	ug/l	99
44) Bromodichloromethane	6.76	83	207202	9.922	ug/l	98
45) 4-Methyl-2-Pentanone	7.47	43	648976	51.089	ug/l	100
46) t-1,4-Dichloro-2-butene	10.52	75	97318m	20.946	ug/l	
47) Methyl methacrylate	6.63	69	168003	20.812	ug/l	98
48) Ethyl methacrylate	8.02	69	166408	10.306	ug/l	98
49) Toluene	7.64	92	366177	10.121	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	200791	10.011	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	247099	9.976	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	107397	9.673	ug/l	99
53) 1,3-Dichloropropane	8.24	76	206707	9.966	ug/l	99
54) 2-Hexanone	8.37	43	456687	49.976	ug/l	99
55) Dibromochloromethane	8.48	129	114739	9.715	ug/l	96
56) 1,2-Dibromoethane	8.58	107	101791	10.065	ug/l	100
58) Tetrachloroethene	8.22	164	126543	9.741	ug/l	96
59) Chlorobenzene	9.12	112	371032	9.855	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	122490	9.601	ug/l	99
61) Pentachloroethane	11.10	117	95222	9.591	ug/l	100
62) Hexachloroethane	12.14	117	88556	9.518	ug/l	99
63) Ethyl Benzene	9.25	91	712239	10.253	ug/l	99
64) m/p-Xylenes	9.37	106	516368	20.540	ug/l	98
65) o-Xylene	9.78	106	248211	10.232	ug/l	97
66) Styrene	9.79	104	431471	10.369	ug/l	100
67) Bromoform	9.96	173	64389	9.728	ug/l	99
69) Isopropylbenzene	10.17	105	663244	10.210	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	150671	10.117	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	104223m	10.038	ug/l	
72) Bromobenzene	10.45	156	146959	10.193	ug/l	98
73) n-propylbenzene	10.58	120	177565	10.539	ug/l	97
74) 2-Chlorotoluene	10.66	126	150806	10.216	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	571888	10.461	ug/l	98
76) 4-Chlorotoluene	10.77	126	155715	10.404	ug/l	97
77) tert-Butylbenzene	11.10	119	528939	10.277	ug/l	100
78) 1,2,4-Trimethylbenzene	11.15	105	588370	10.502	ug/l	100
79) sec-Butylbenzene	11.32	105	758480	10.571	ug/l	99
80) Nitrobenzene	12.86	77	36042	53.717	ug/l	99
81) p-Isopropyltoluene	11.48	119	596768	10.466	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	296979	10.283	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	291303	10.134	ug/l	99
84) n-Butylbenzene	11.89	91	649464	10.849	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	277156	10.083	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	24772	10.340	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	203883	10.551	ug/l	97
88) Hexachlorobutadiene	13.69	225	105145	10.057	ug/l	97
89) Naphthalene	13.74	128	398117	10.424	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	184994	10.153	ug/l	99

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

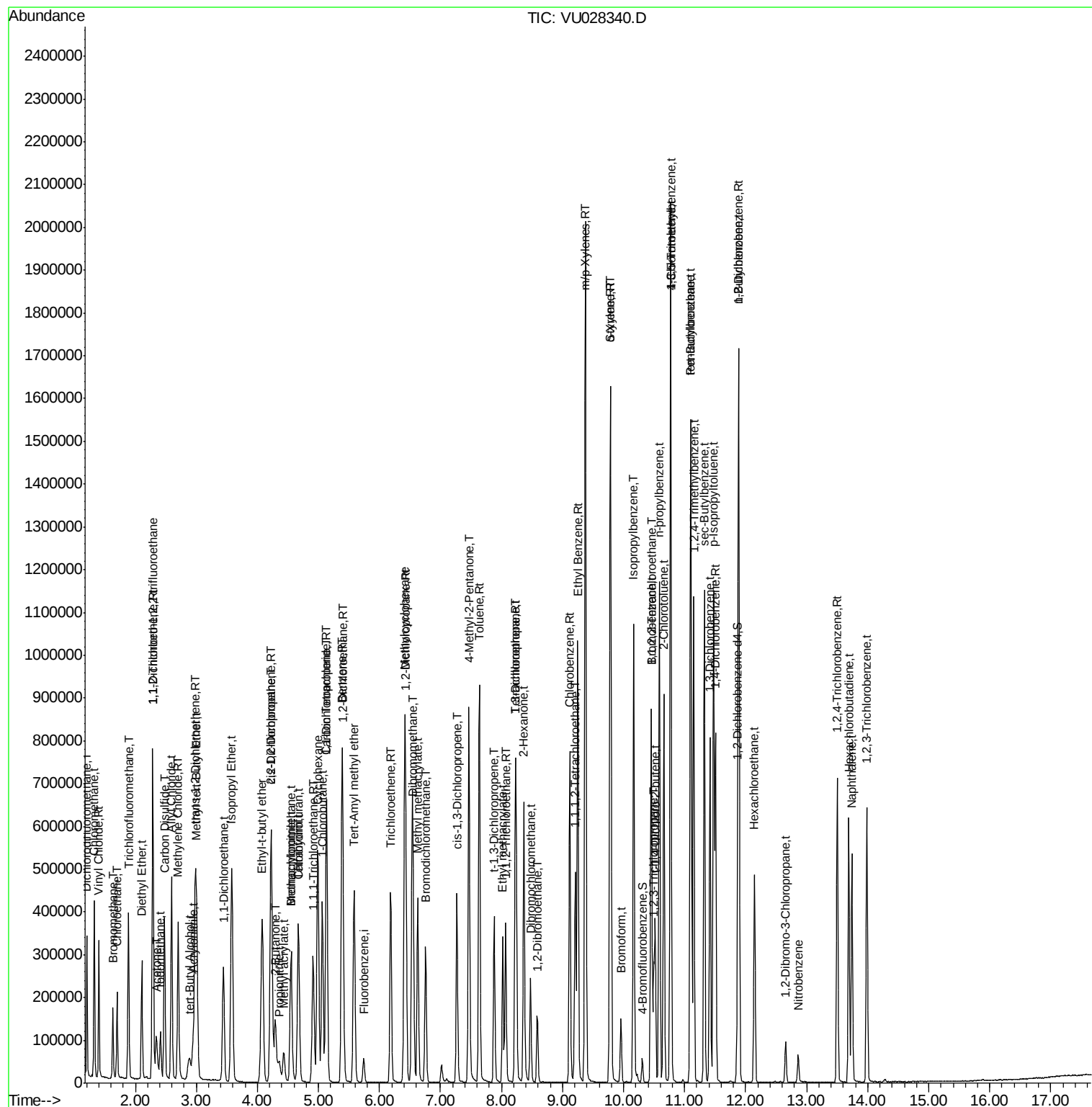
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU112618\
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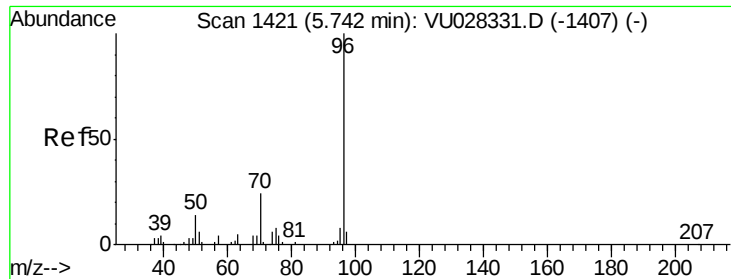
Instrument :
MSVOA_U
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

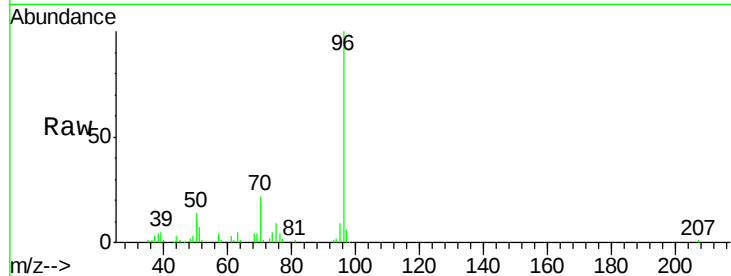
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	96	Resp:	50425
Ion	Ratio	Lower	Upper
96	100		
70	22.5	17.8	26.8
95	9.2	7.6	11.4
97	0.0	0.0	0.0

Manual Integrations
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11/30/2018 2:33:44 PM



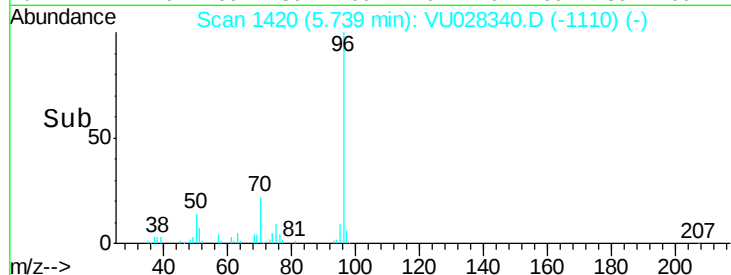
Abundance Ion 96.00 (95.70 to 96.70): VU028331.D (-1407) (-)

Ion 70.00 (69.70 to 70.70): VU028331.D (-1407) (-)

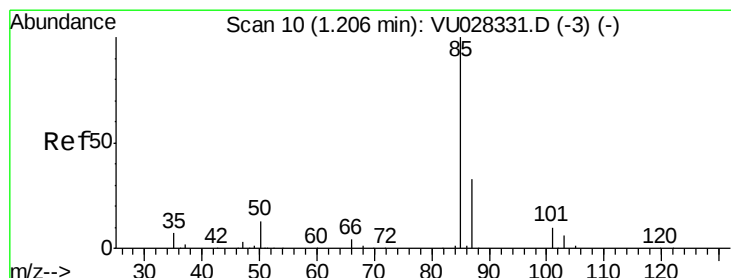
Ion 95.00 (94.70 to 95.70): VU028331.D (-1407) (-)

Ion 97.00 (96.70 to 97.70): VU028331.D (-1407) (-)

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 9.498 ug/l

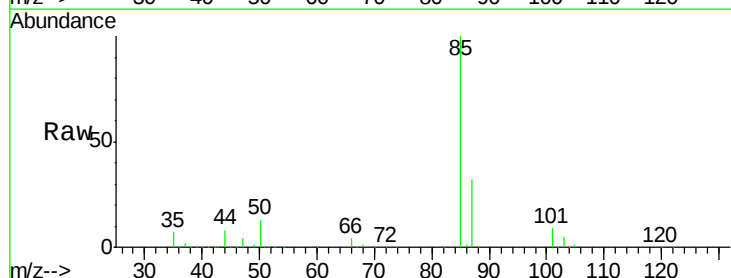
RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

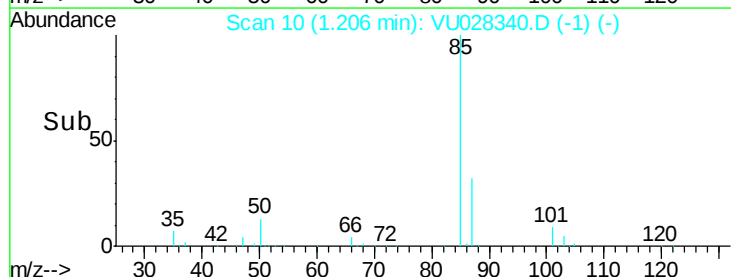
Tgt Ion:	85	Resp:	172280
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.3	48.8



Abundance Ion 85.00 (84.70 to 85.70): VU028331.D (-3) (-)

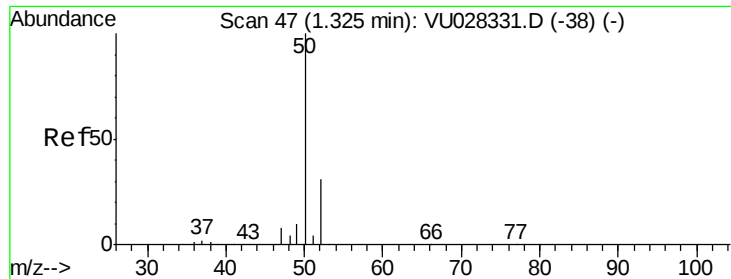
Ion 87.00 (86.70 to 87.70): VU028331.D (-3) (-)

Time-->



Time-->

Time-->



#3

Chloromethane

Concen: 9.133 ug/l

RT: 1.32 min Scan# 47

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 50 Resp: 281962

Ion Ratio Lower Upper

50 100

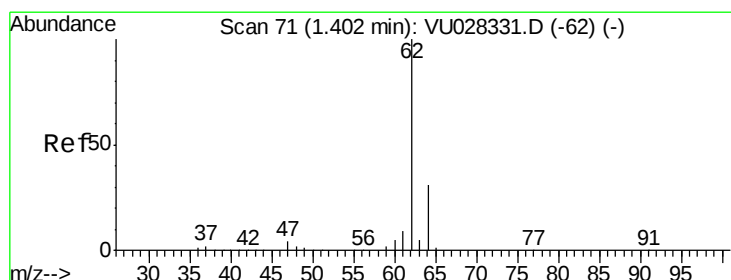
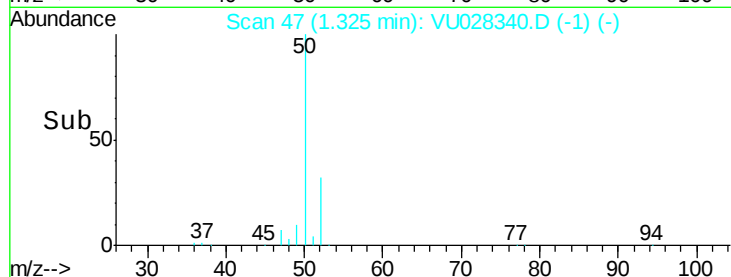
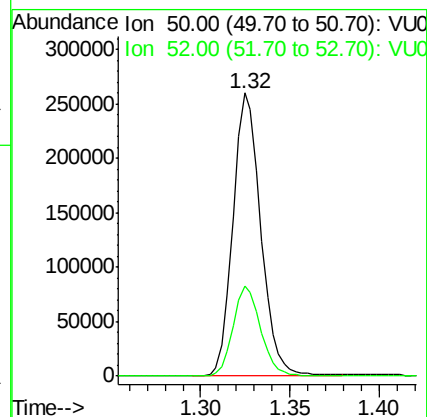
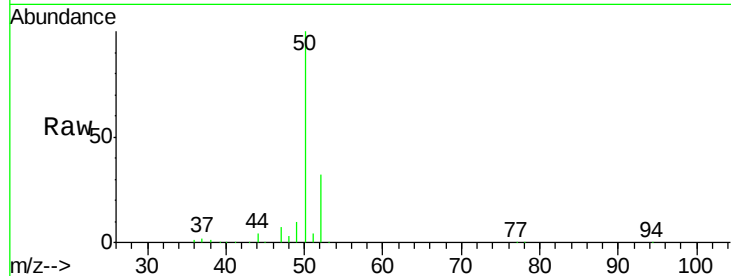
52 31.7 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.723 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028340.D

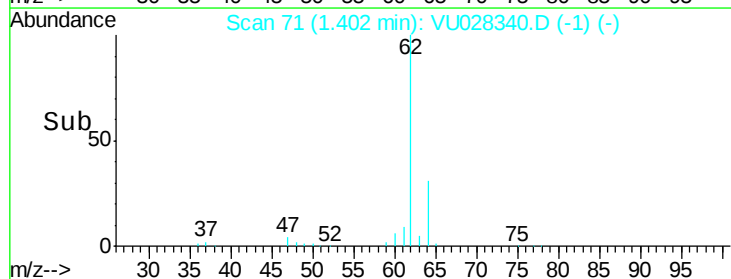
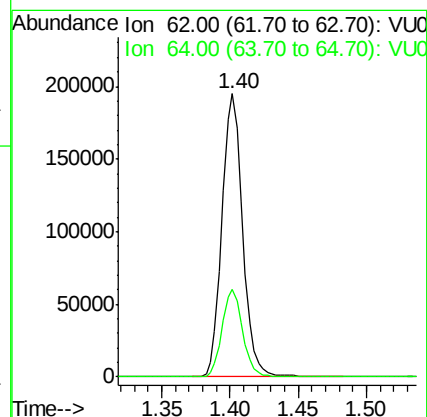
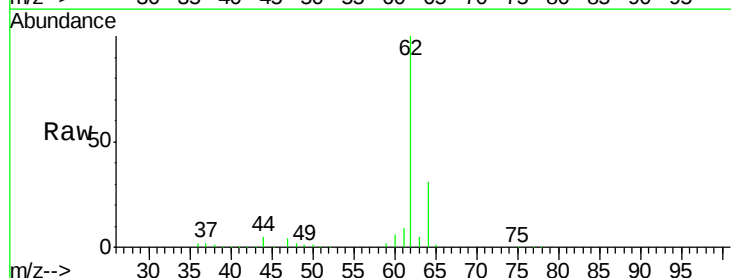
Acq: 26 Nov 2018 15:45

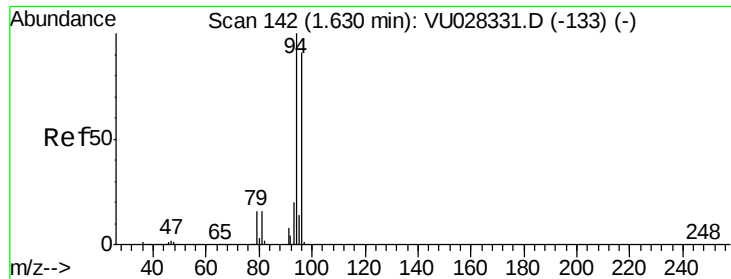
Tgt Ion: 62 Resp: 205452

Ion Ratio Lower Upper

62 100

64 31.1 24.7 37.1





#5

Bromomethane

Concen: 8.047 ug/l

RT: 1.63 min Scan# 142

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 94 Resp: 66986

Ion Ratio Lower Upper

94 100

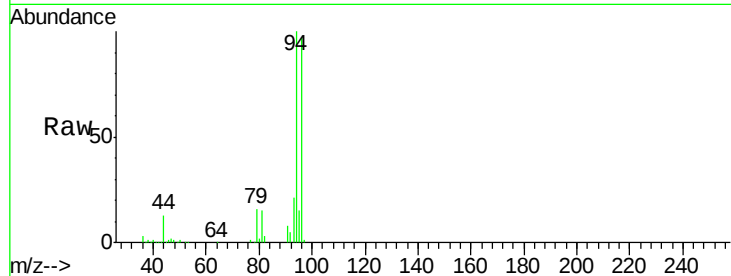
96 96.7 73.1 109.7

Manual Integrations

APPROVED

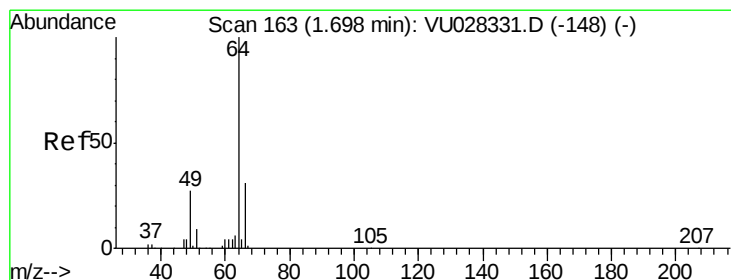
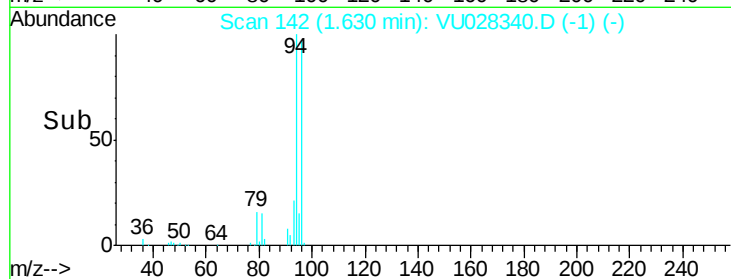
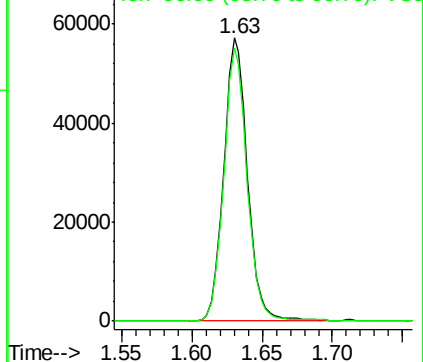
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.582 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU028340.D

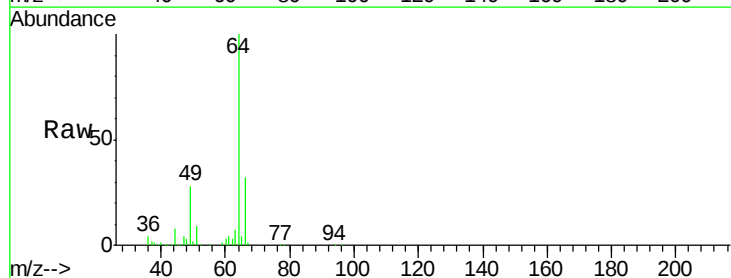
Acq: 26 Nov 2018 15:45

Tgt Ion: 64 Resp: 118199

Ion Ratio Lower Upper

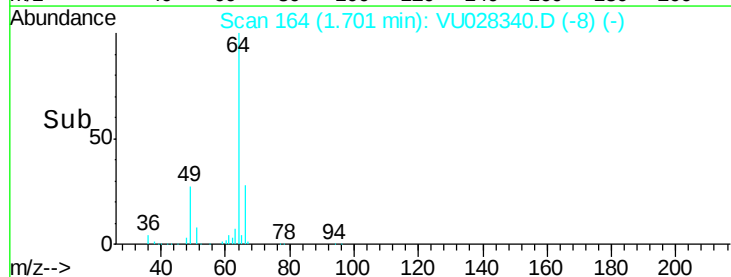
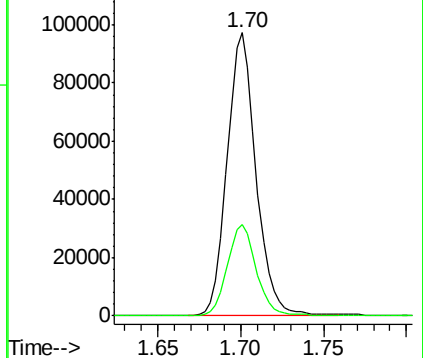
64 100

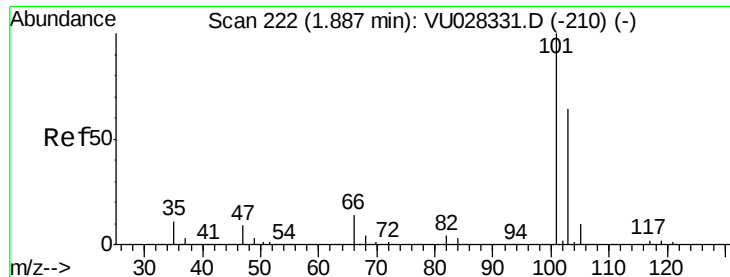
66 32.4 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

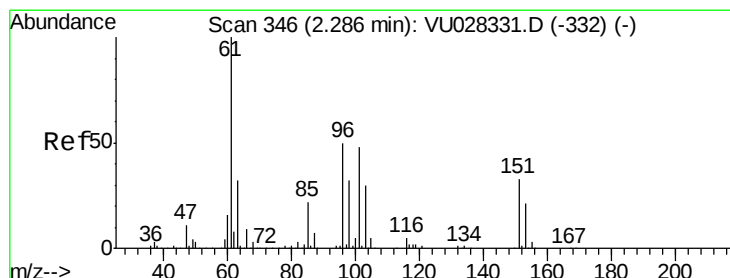
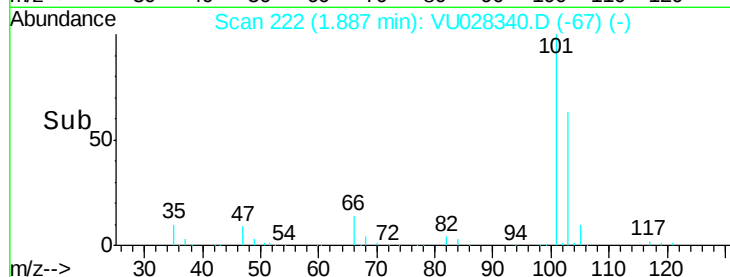
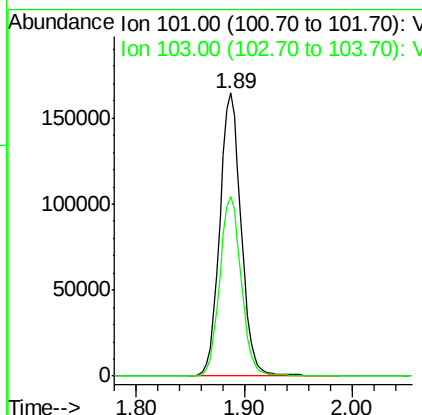
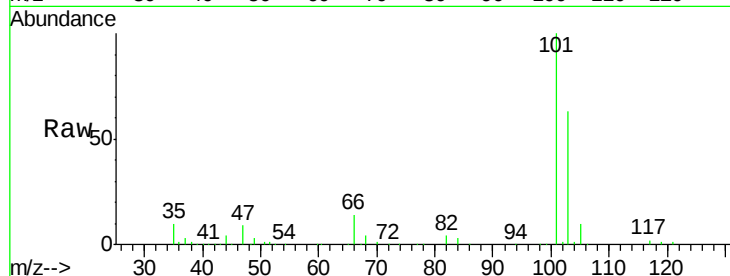
Trichlorofluoromethane
Concen: 9.793 ug/l
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
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VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	225999		
103	63.4	51.4	77.0	

Manual Integrations
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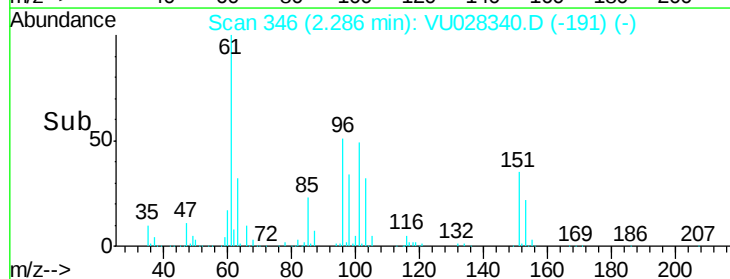
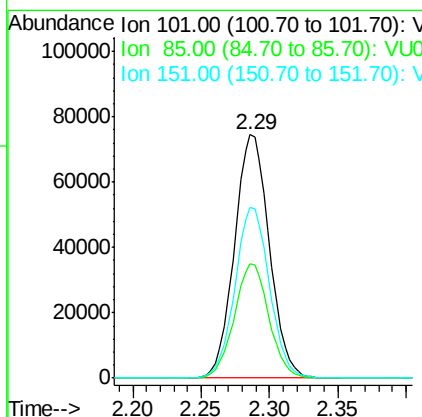
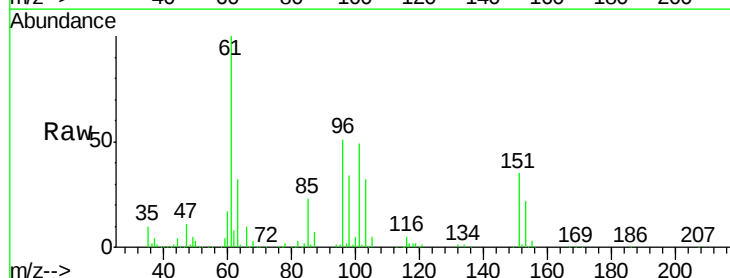
MMDadoda
11/30/2018 2:33:44 PM

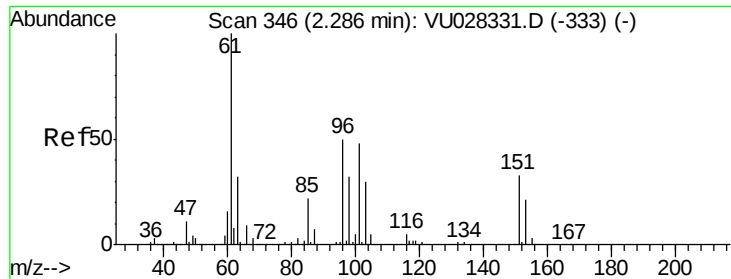


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.972 ug/l
RT: 2.29 min Scan# 346
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	132357		
85	46.5	36.7	55.1	
151	69.3	55.8	83.6	





#9

1,1-Dichloroethene

Concen: 9.564 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

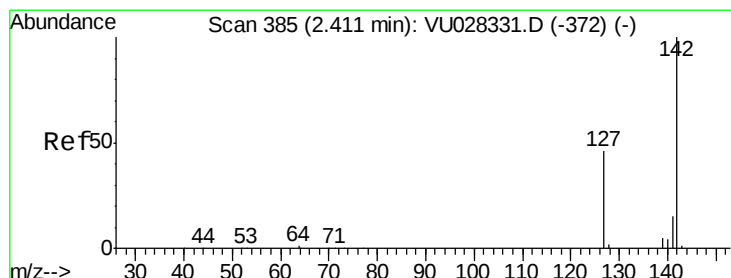
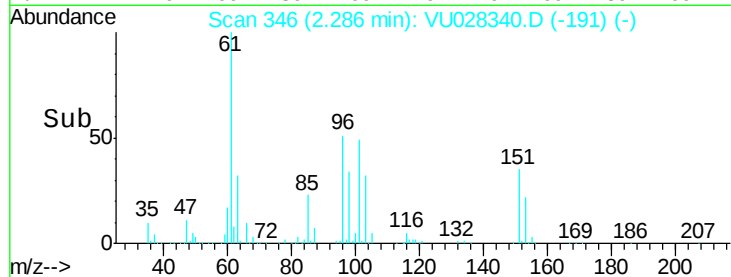
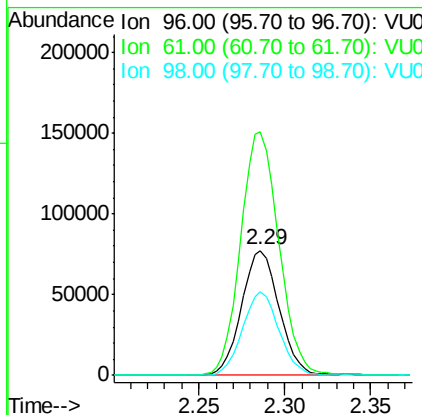
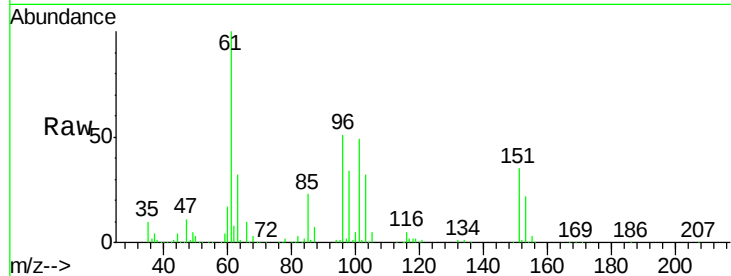
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	96	Resp:	117413
Ion Ratio	Lower	Upper	
96	100		
61	195.1	0.0	597.6
98	66.8	0.0	127.6

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#10

Iodomethane

Concen: 11.785 ug/l

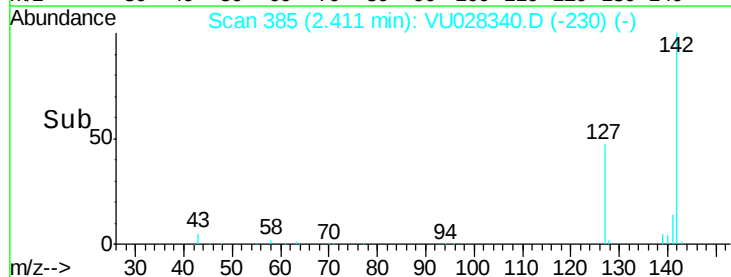
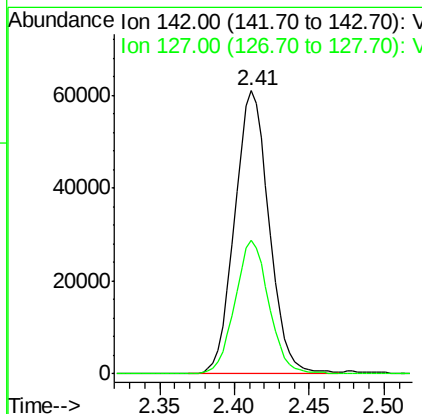
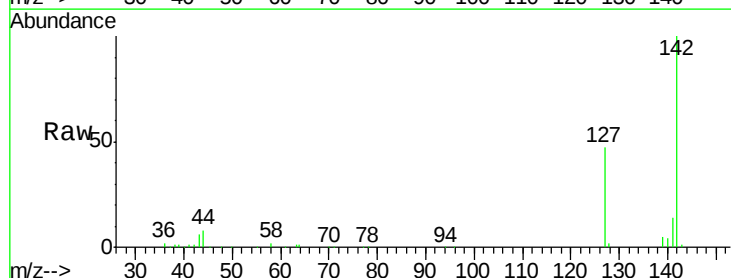
RT: 2.41 min Scan# 385

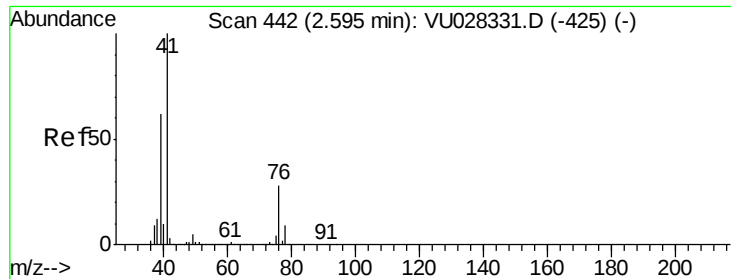
Delta R.T. -0.00 min

Lab File: VU028340.D

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Tgt Ion:	142	Resp:	97853
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.4	54.6





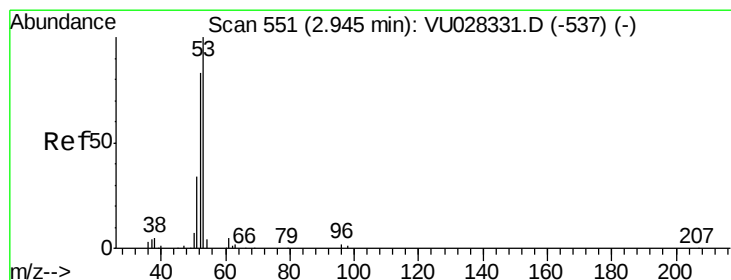
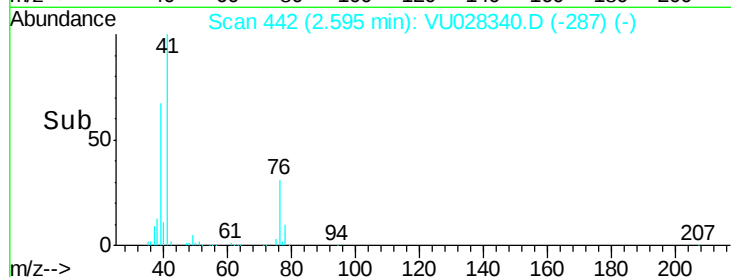
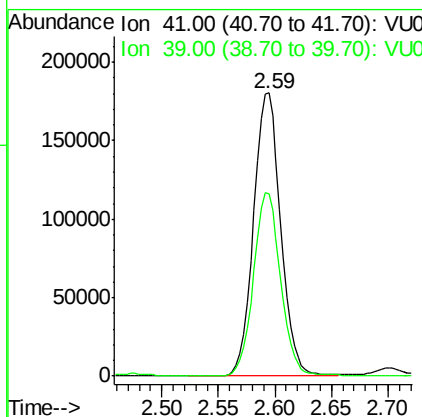
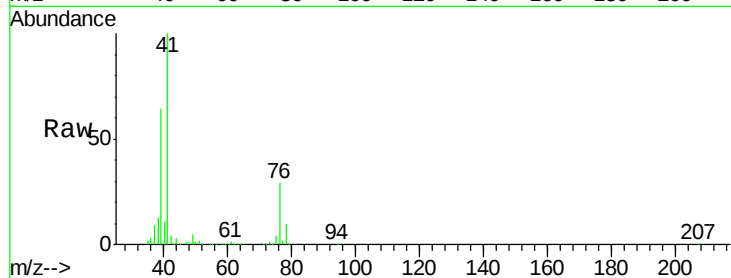
#11
 Allyl Chloride
 Concen: 9.722 ug/l
 RT: 2.59 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 41 Resp: 301309
 Ion Ratio Lower Upper
 41 100
 39 64.7 50.8 76.2

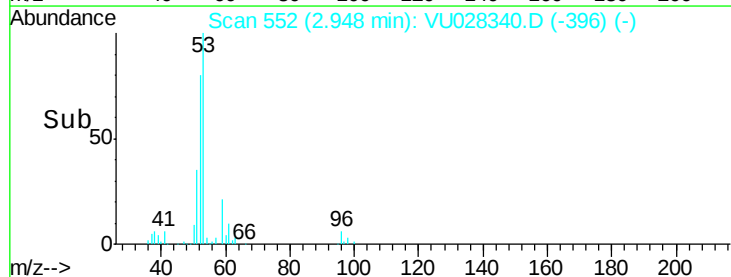
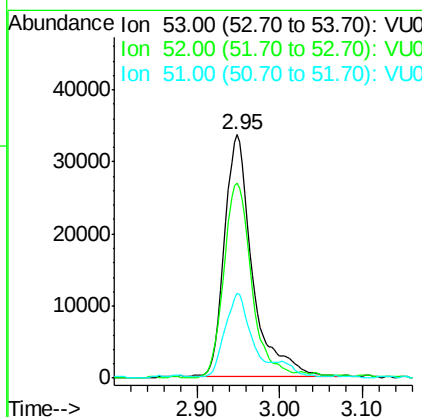
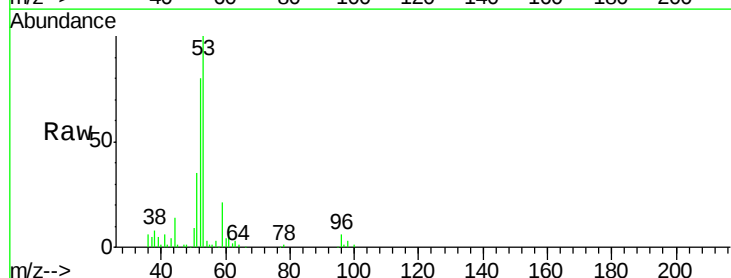
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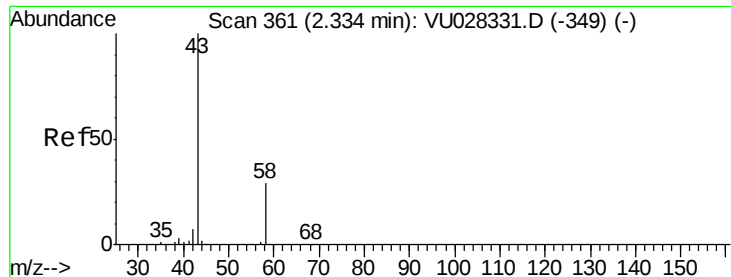
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#12
 Acrylonitrile
 Concen: 20.034 ug/l
 RT: 2.95 min Scan# 552
 Delta R.T. 0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion: 53 Resp: 78343
 Ion Ratio Lower Upper
 53 100
 52 80.7 69.3 103.9
 51 31.7 27.8 41.8





#13

Acetone

Concen: 43.857 ug/l

RT: 2.34 min Scan# 364

Delta R.T. 0.01 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 158936

Ion Ratio Lower Upper

43 100

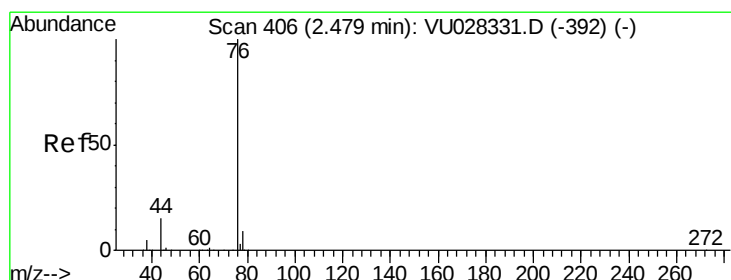
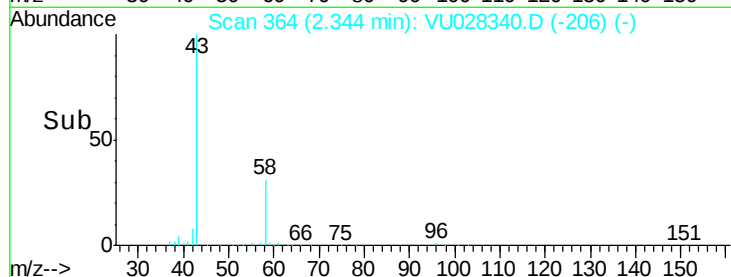
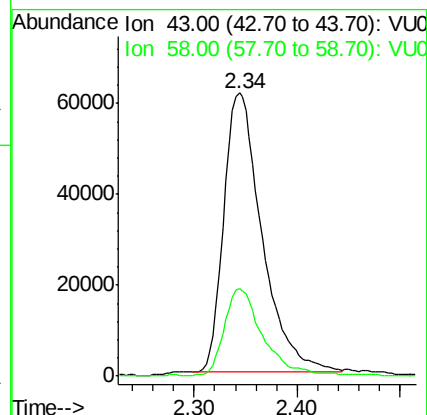
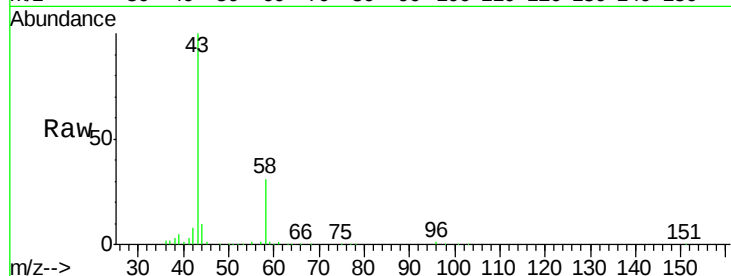
58 31.0 23.1 34.7

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#14

Carbon Disulfide

Concen: 9.574 ug/l

RT: 2.48 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU028340.D

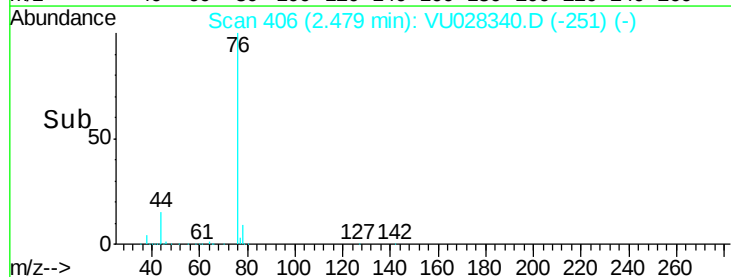
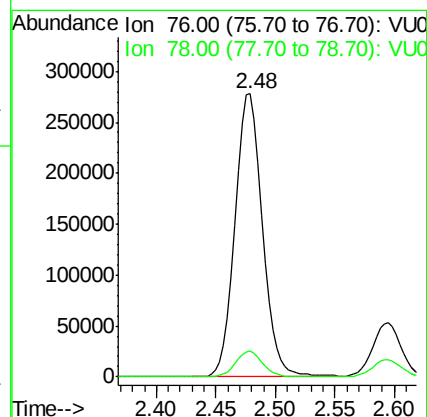
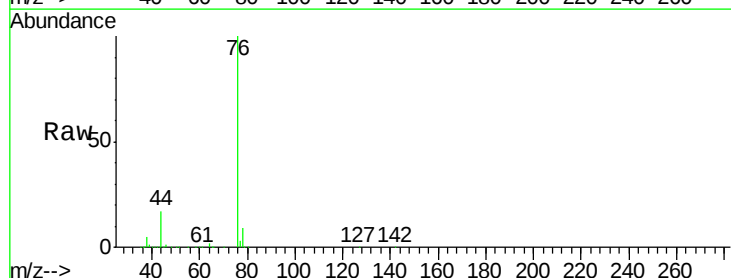
Acq: 26 Nov 2018 15:45

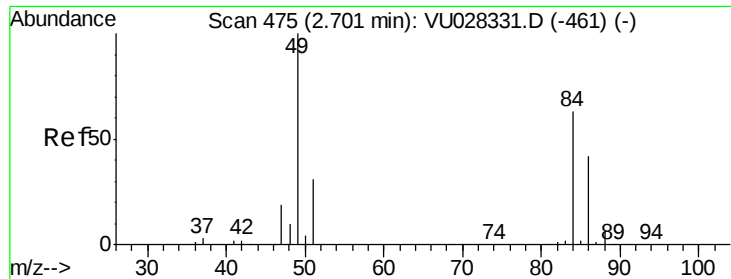
Tgt Ion: 76 Resp: 446465

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.2





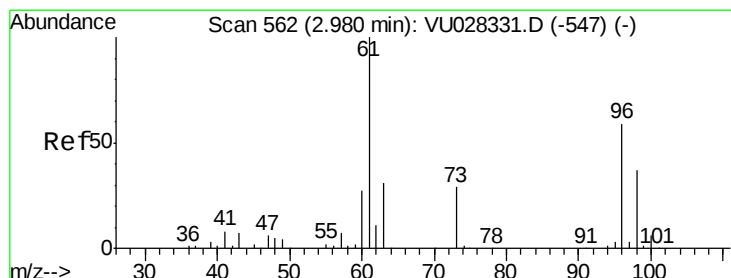
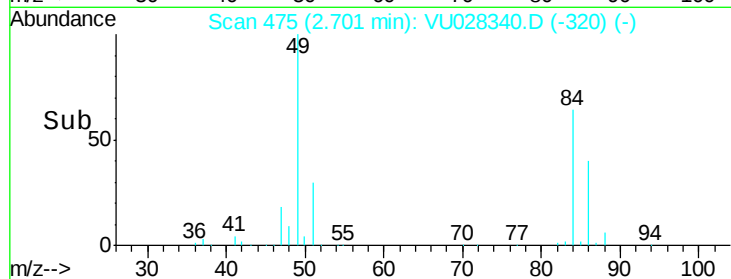
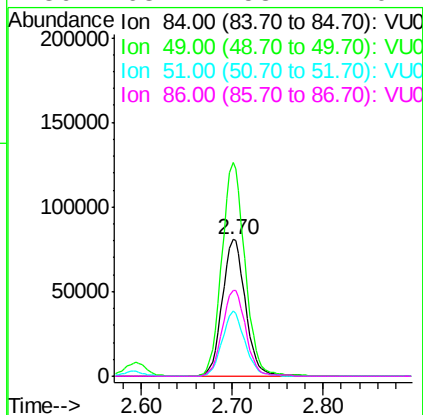
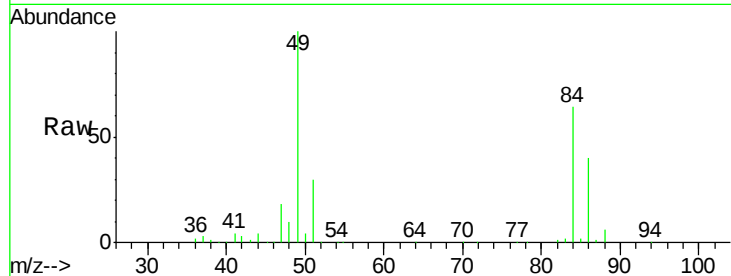
#15
Methylene Chloride
Concen: 9.578 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.3	127.7	191.5
51	47.5	0.0	98.2
86	63.1	53.1	79.7

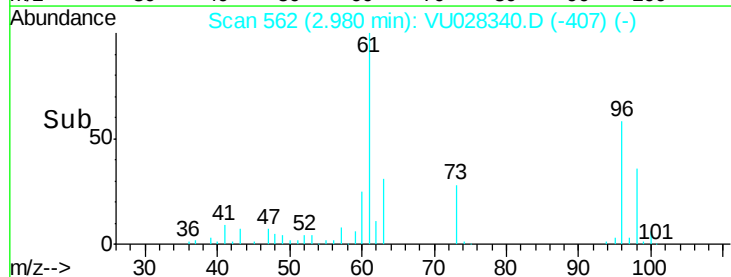
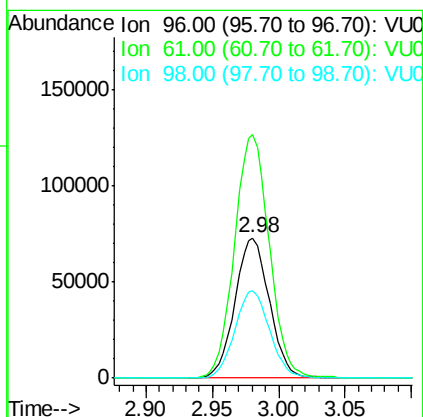
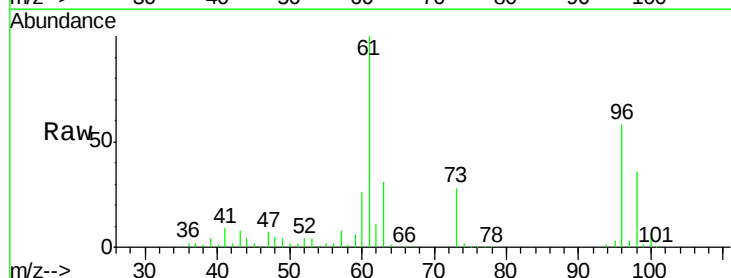
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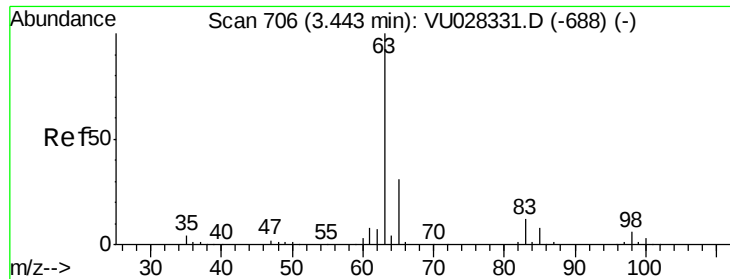
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#16
trans-1,2-Dichloroethene
Concen: 9.572 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	136.4	204.6
98	62.6	49.8	74.8





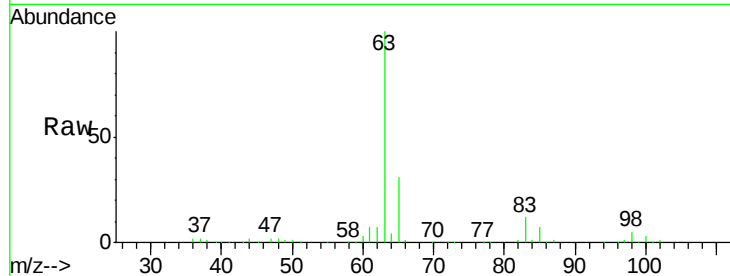
#17
 1,1-Dichloroethane
 Concen: 9.821 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

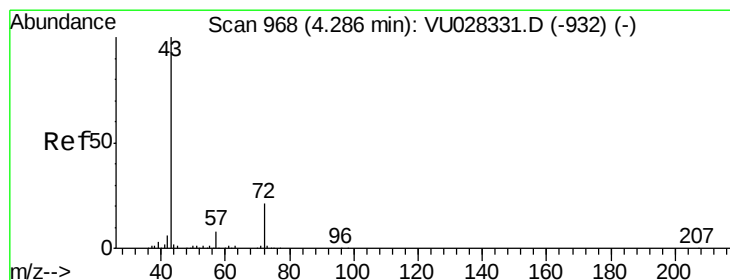
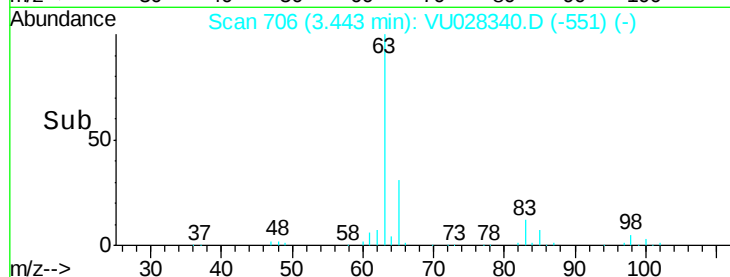
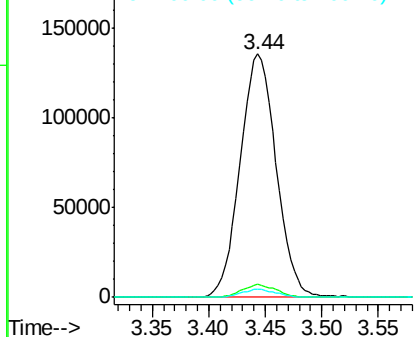
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	300803		
98	5.2	3.0	9.0	
100	3.3	1.8	5.3	

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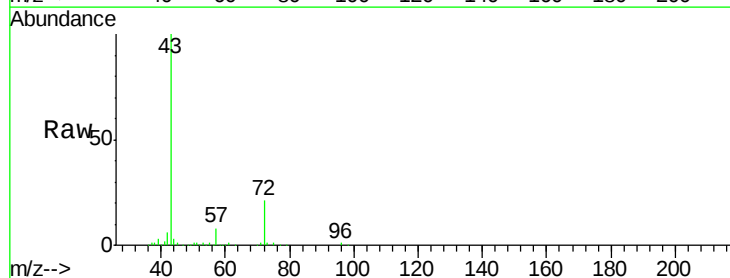


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0

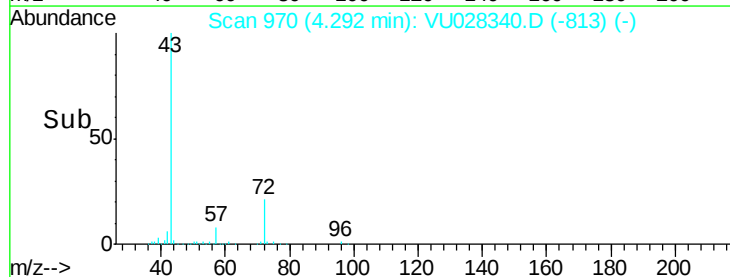
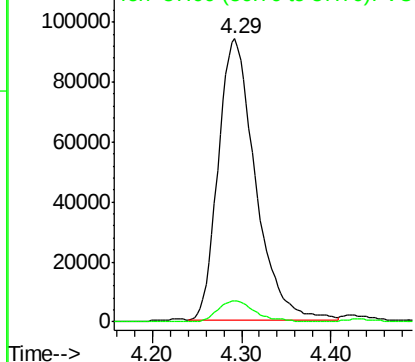


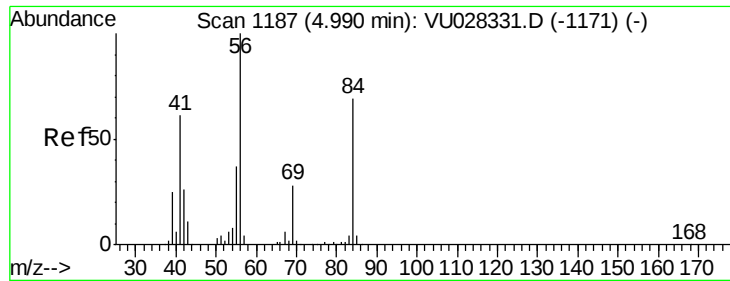
#18
 2-Butanone
 Concen: 50.021 ug/l
 RT: 4.29 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	270872		
57	7.6	0.0	15.0	



Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0





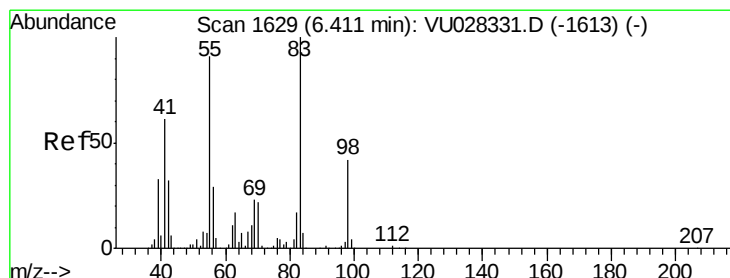
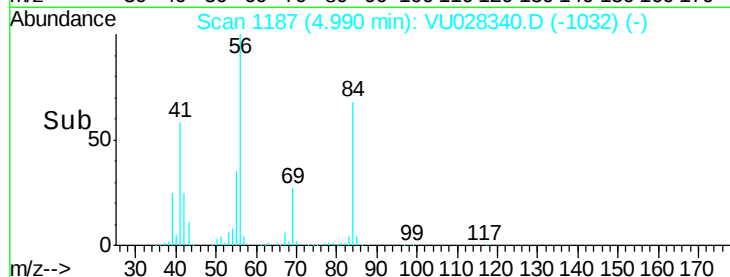
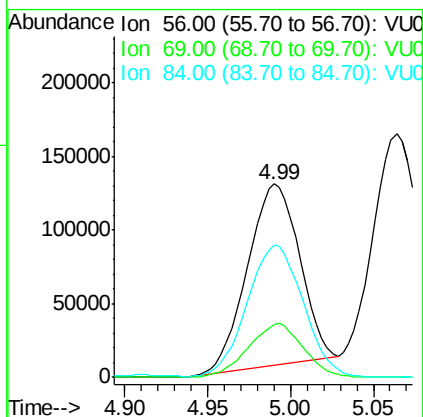
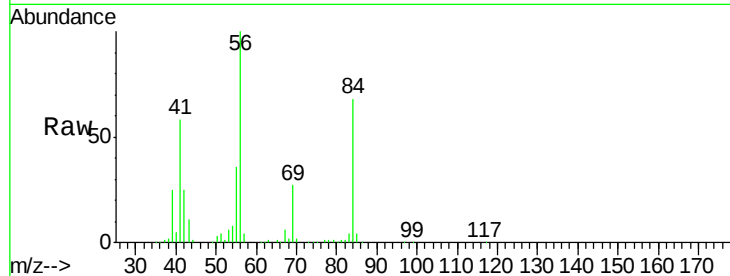
#19
Cyclohexane
Concen: 10.116 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.6
84	78.4	62.6	94.0

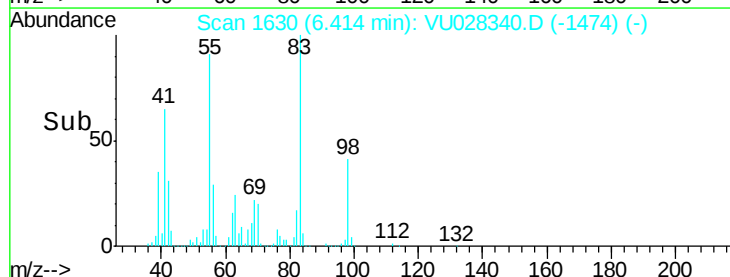
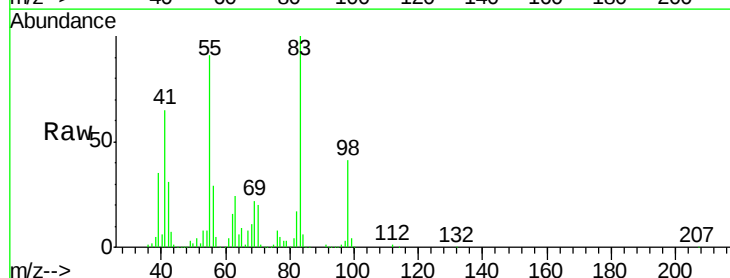
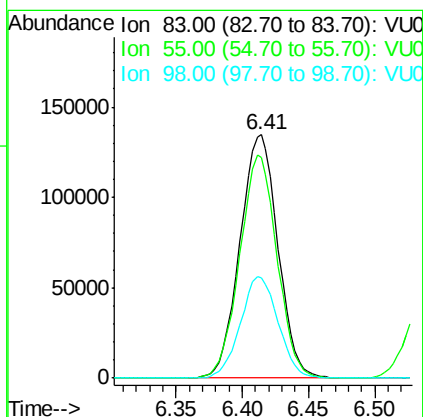
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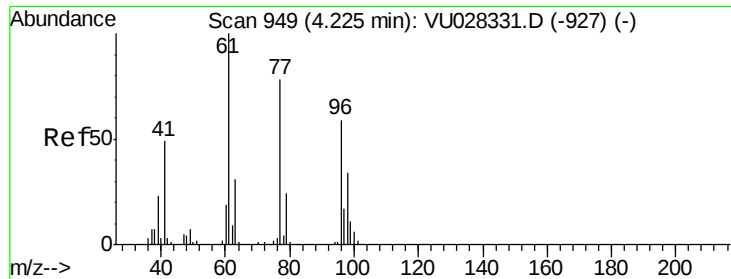
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#20
Methylcyclohexane
Concen: 10.250 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.2	72.6	108.8
98	41.6	33.8	50.8





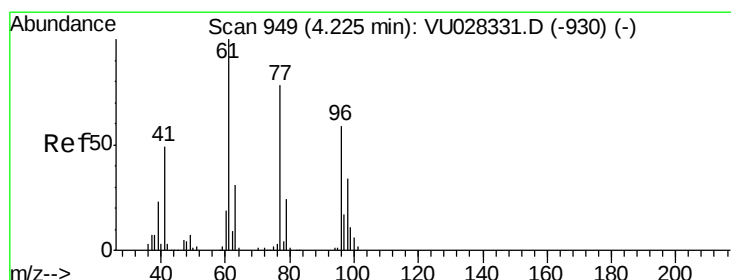
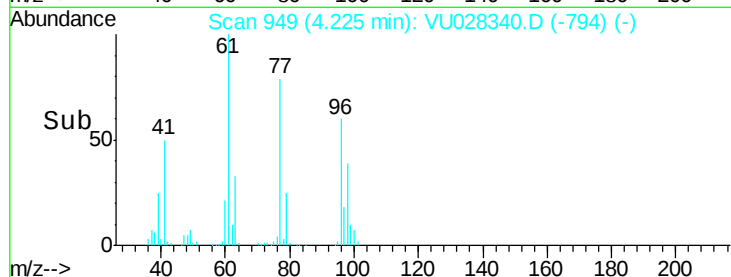
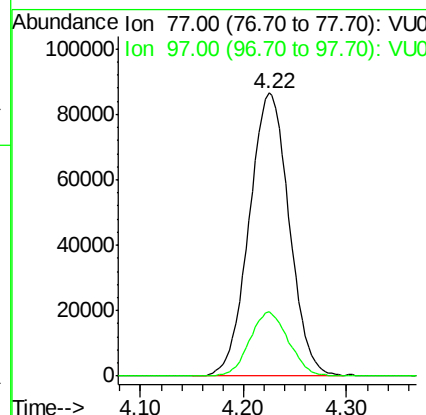
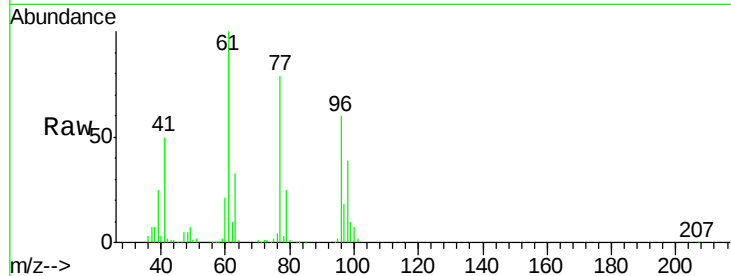
#21
 2,2-Dichloropropane
 Concen: 9.480 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 77 Resp: 233046
 Ion Ratio Lower Upper
 77 100
 97 22.0 17.4 26.2

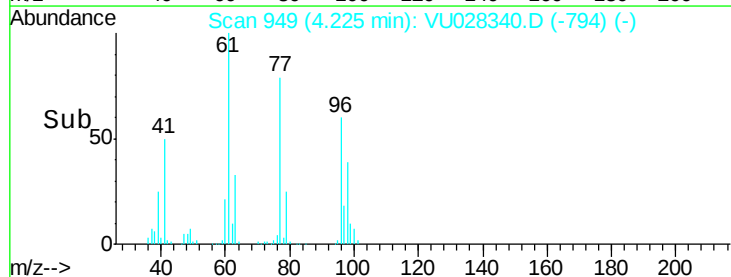
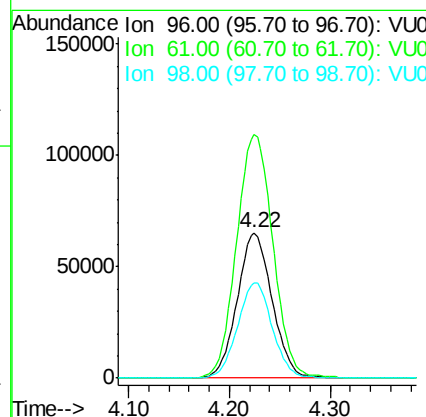
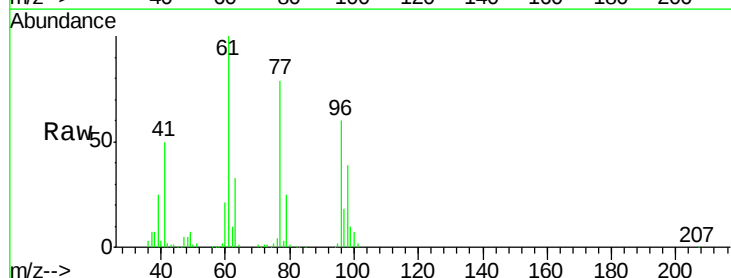
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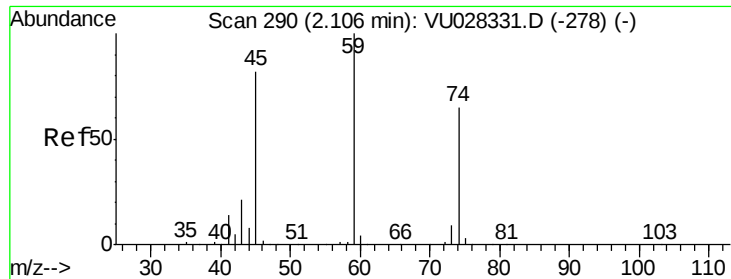
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#22
 cis-1,2-Dichloroethene
 Concen: 9.778 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion: 96 Resp: 157216
 Ion Ratio Lower Upper
 96 100
 61 174.8 0.0 423.0
 98 65.0 30.3 91.0





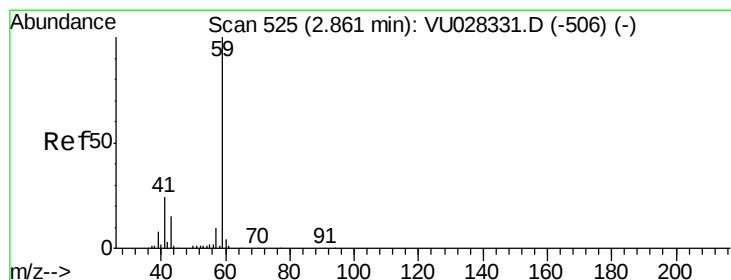
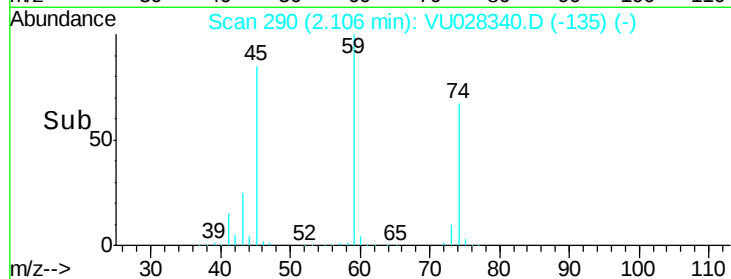
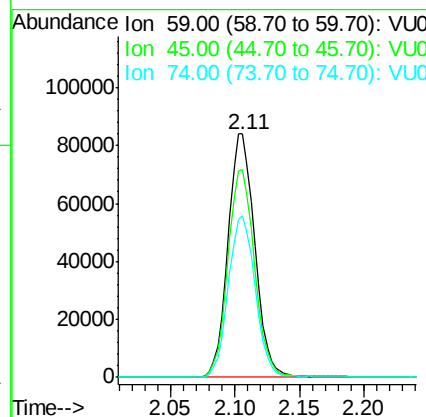
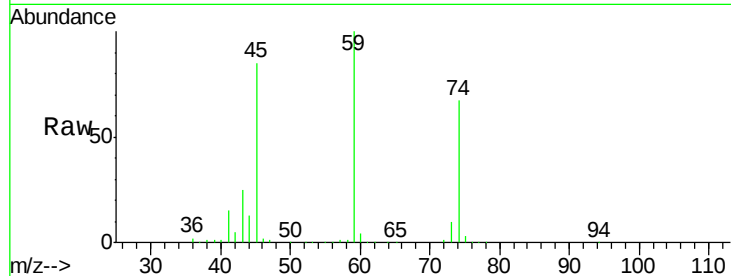
#23
Diethyl Ether
Concen: 9.828 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
59	100		
45	84.6	66.4	99.6
74	66.8	52.2	78.4

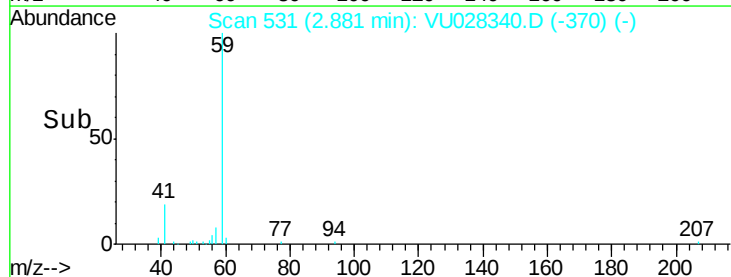
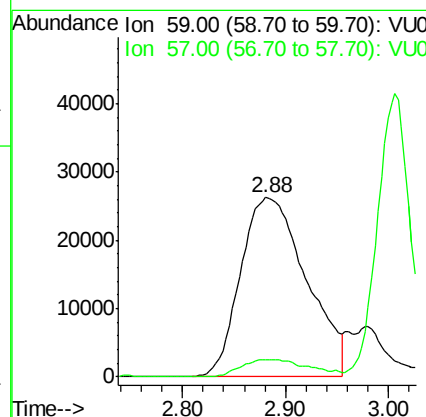
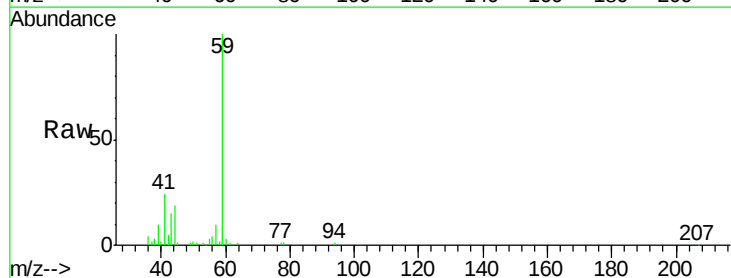
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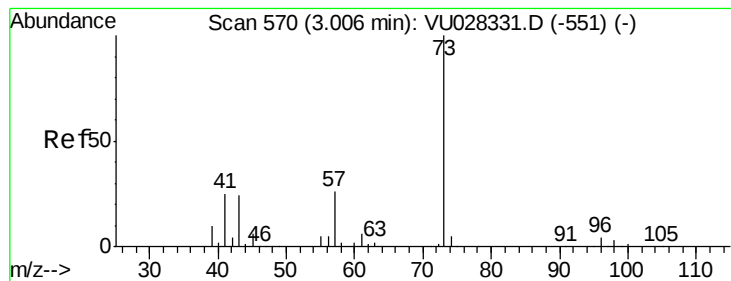
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#24
tert-Butyl Alcohol
Concen: 94.602 ug/l
RT: 2.88 min Scan# 531
Delta R.T. 0.02 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.4





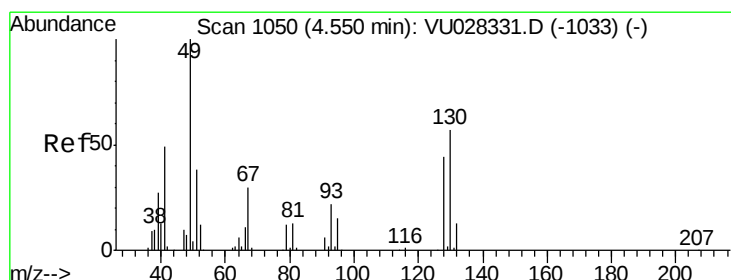
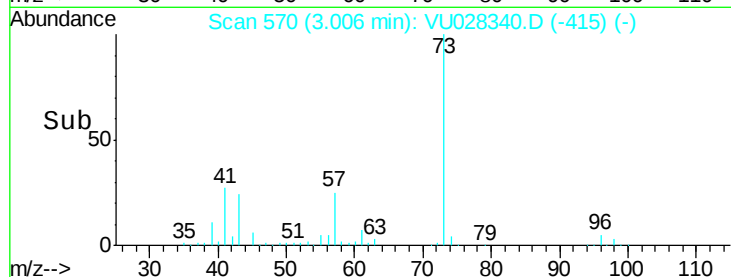
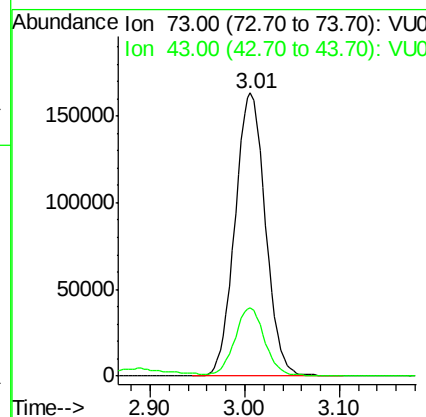
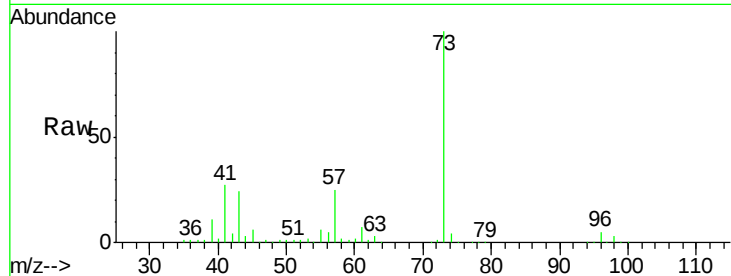
#25
Methyl tert-Butyl Ether
Concen: 10.012 ug/l
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 73 Resp: 365123
Ion Ratio Lower Upper
73 100
43 23.7 18.5 27.7

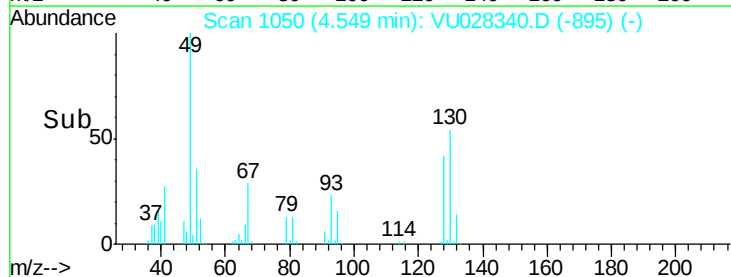
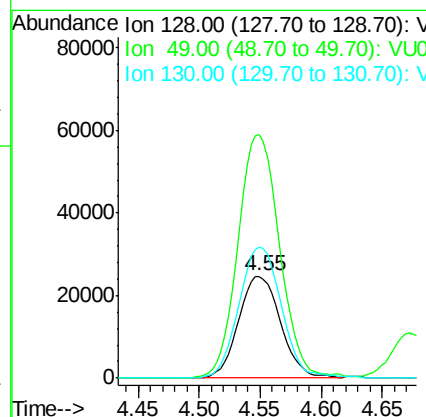
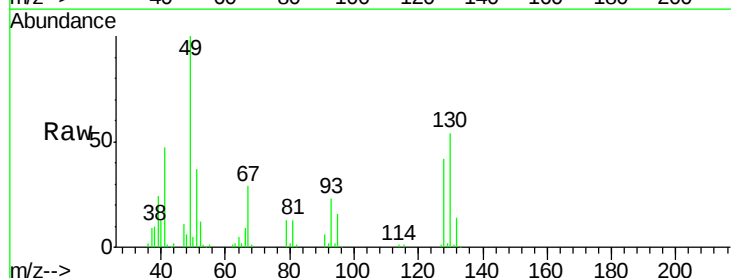
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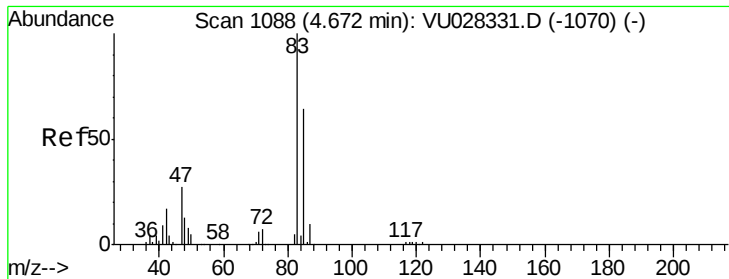
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#26
Bromochloromethane
Concen: 9.626 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion: 128 Resp: 58997
Ion Ratio Lower Upper
128 100
49 236.2 0.0 457.6
130 129.8 101.4 152.2





#27

Chloroform

Concen: 9.403 ug/l

RT: 4.67 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 277759

Ion Ratio Lower Upper

83 100

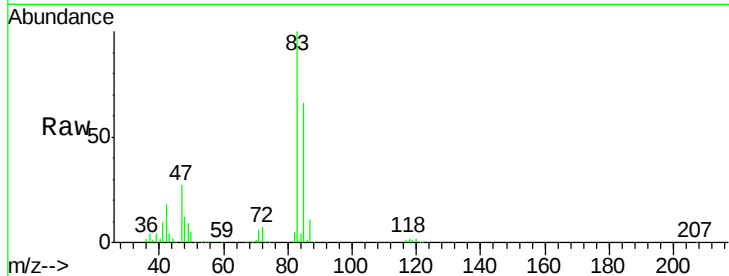
85 66.0 0.0 128.0

Manual Integrations

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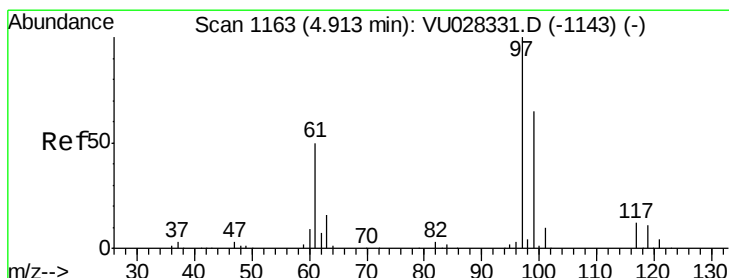
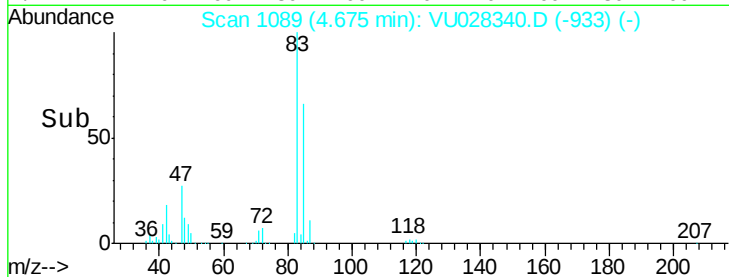
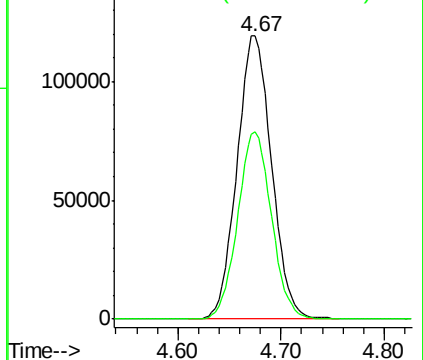
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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 9.954 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

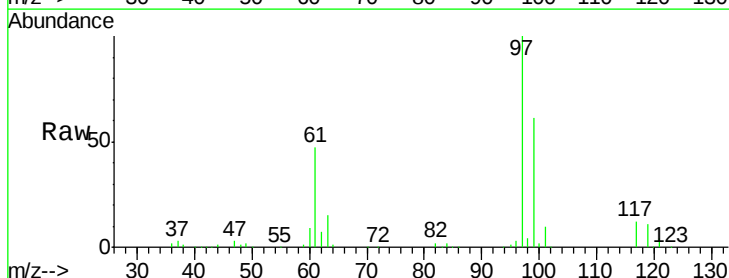
Tgt Ion: 97 Resp: 229611

Ion Ratio Lower Upper

97 100

99 62.2 32.2 96.6

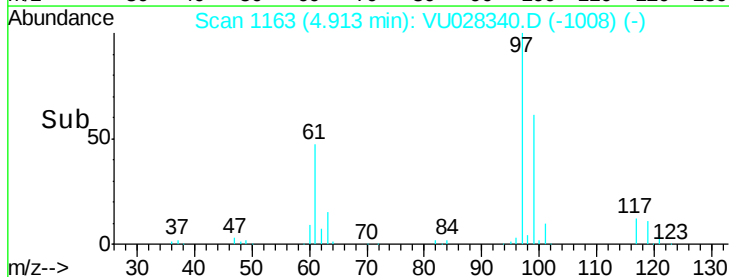
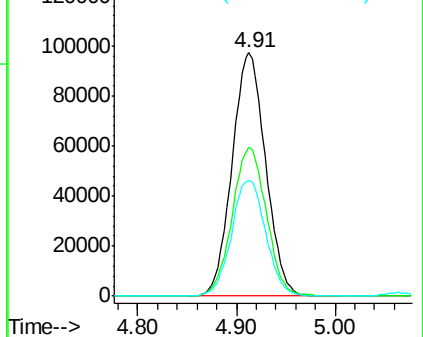
61 48.5 24.9 74.7

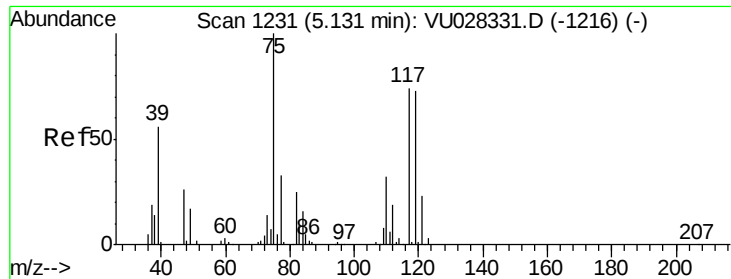


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





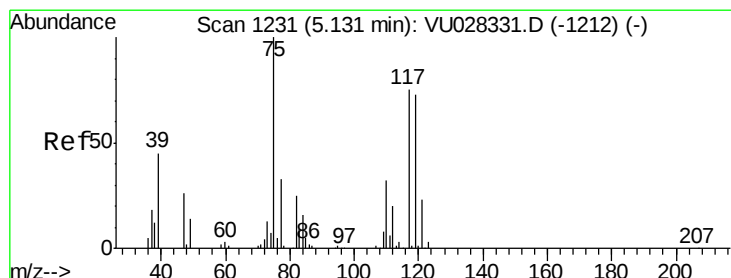
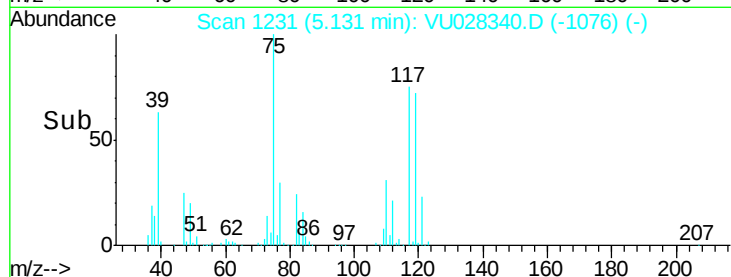
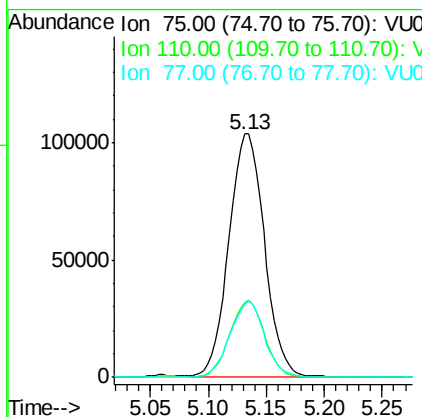
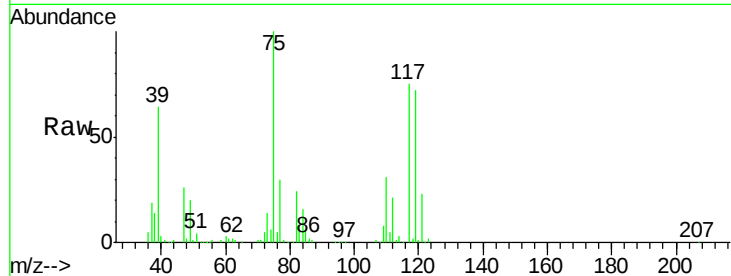
#29
 1,1-Dichloropropene
 Concen: 9.965 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	220525		
110	30.9	15.8	47.3	
77	30.6	25.4	38.0	

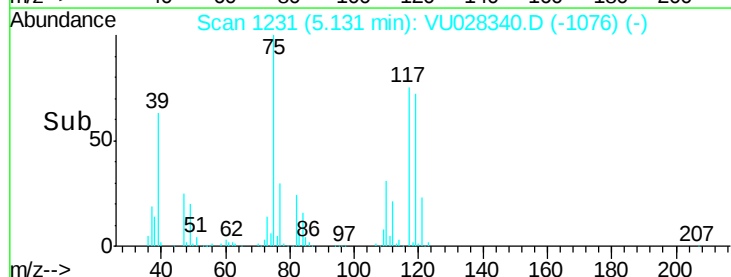
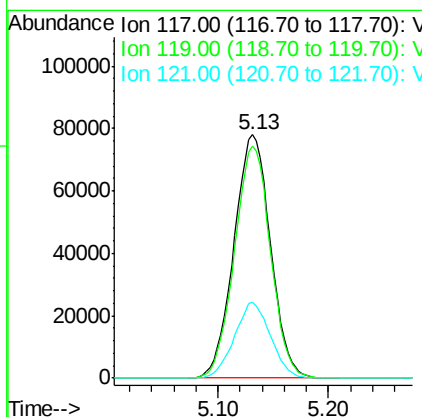
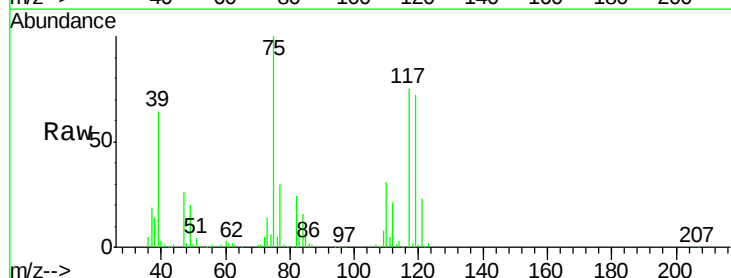
Manual Integrations
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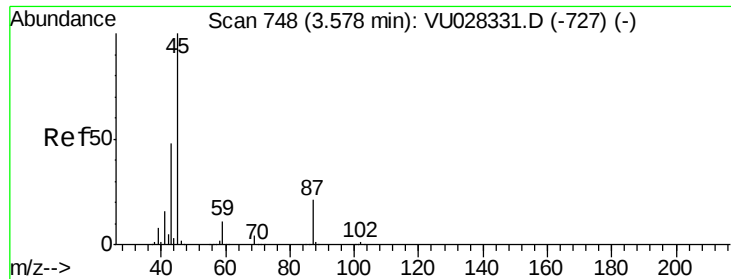
MMDadoda
 11/30/2018 2:33:44 PM



#30
 Carbon Tetrachloride
 Concen: 9.619 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	179175		
119	95.1	78.2	117.4	
121	31.1	24.7	37.1	





#31

Isopropyl Ether

Concen: 9.902 ug/l

RT: 3.58 min Scan# 748

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 543156

Ion Ratio Lower Upper

45 100

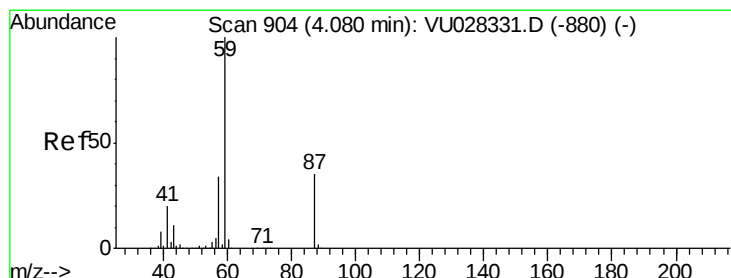
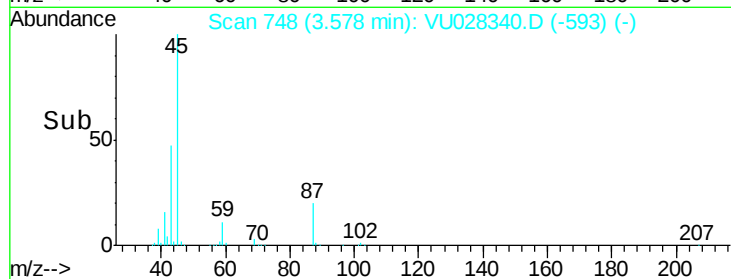
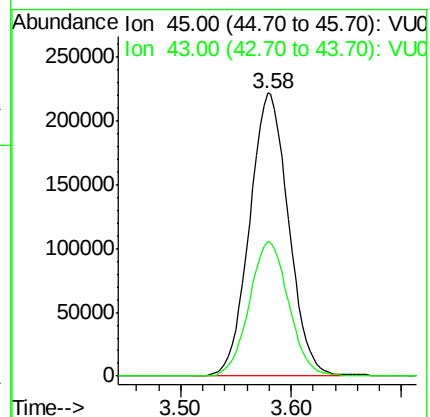
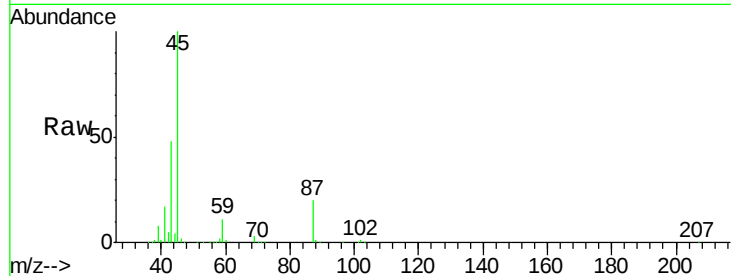
43 48.3 24.2 72.6

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 9.955 ug/l

RT: 4.08 min Scan# 903

Delta R.T. -0.00 min

Lab File: VU028340.D

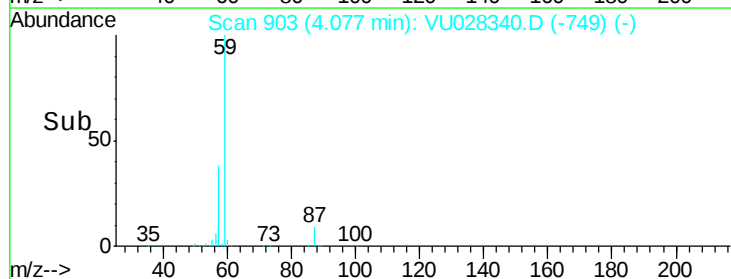
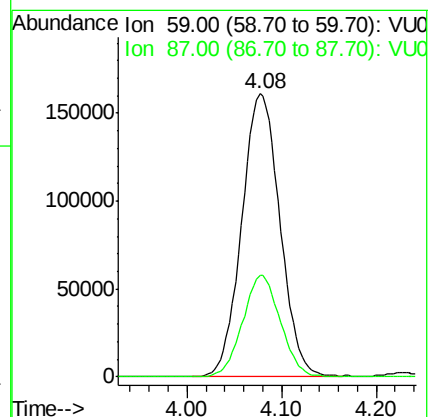
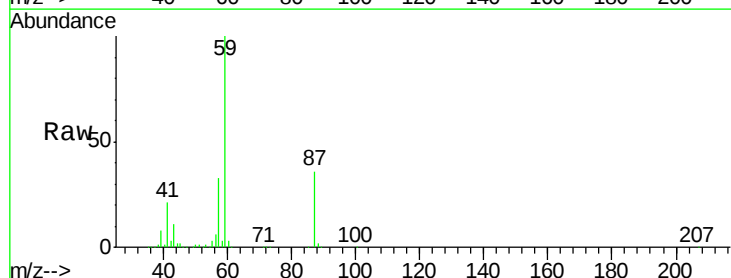
Acq: 26 Nov 2018 15:45

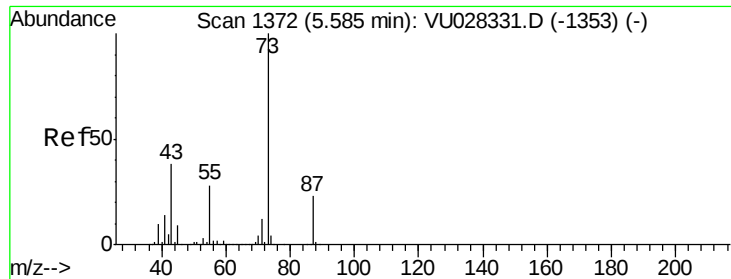
Tgt Ion: 59 Resp: 449741

Ion Ratio Lower Upper

59 100

87 35.6 28.2 42.4





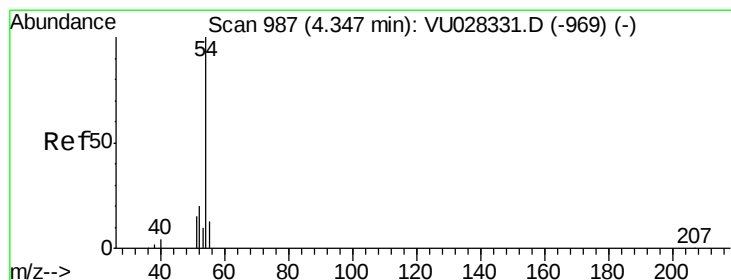
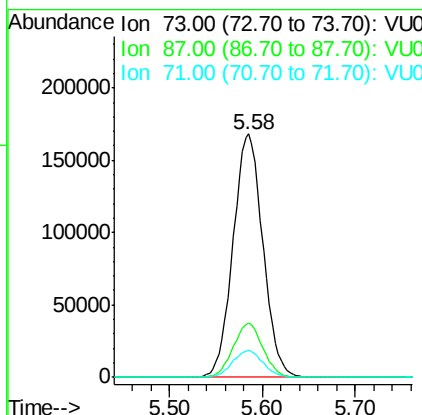
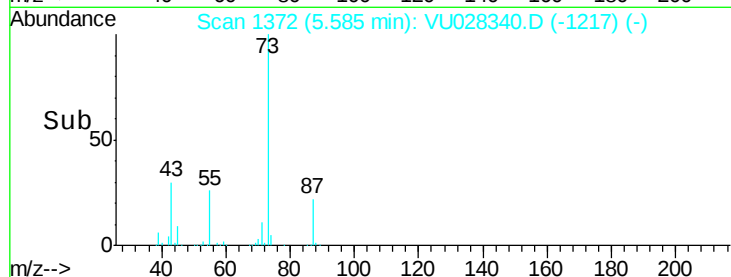
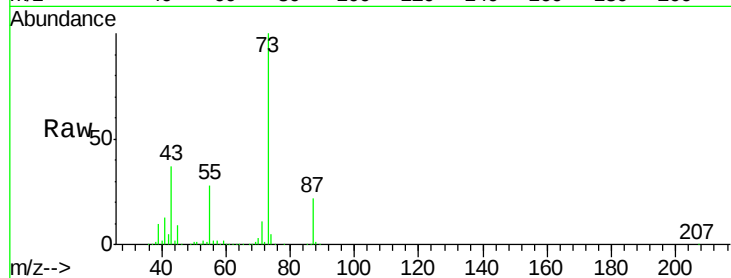
#33
Tert-Amyl methyl ether
Concen: 9.986 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
73	100		
87	22.0	17.6	26.4
71	11.3	9.2	13.8

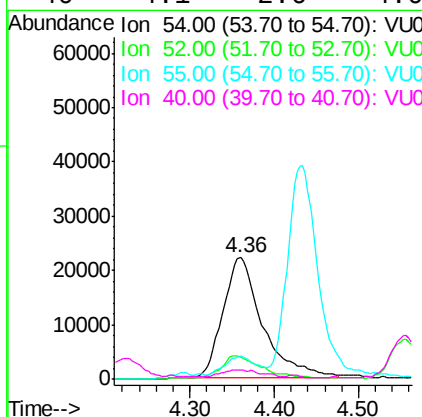
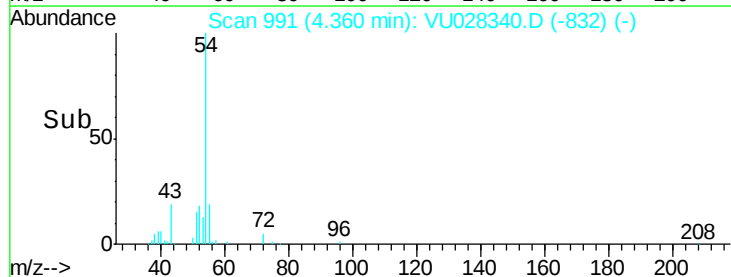
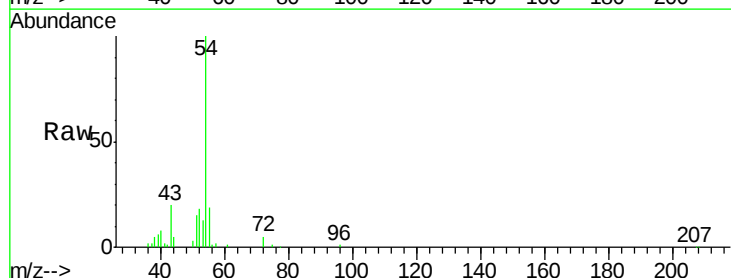
Manual Integrations
APPROVED

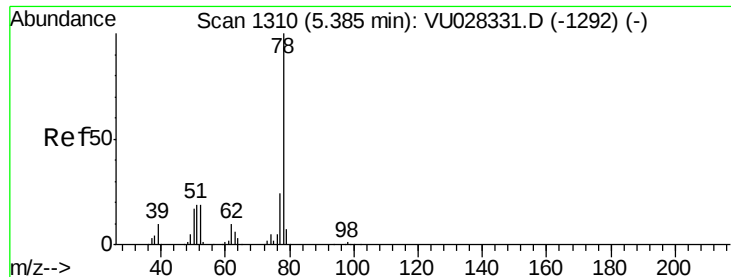
MMDadoda
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#34
Propionitrile
Concen: 53.047 ug/l
RT: 4.36 min Scan# 991
Delta R.T. 0.01 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.4	16.6	25.0
55	14.0	12.9	19.3
40	4.1	2.6	4.0#





#35

Benzene

Concen: 9.939 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 78 Resp: 647464

Ion Ratio Lower Upper

78 100

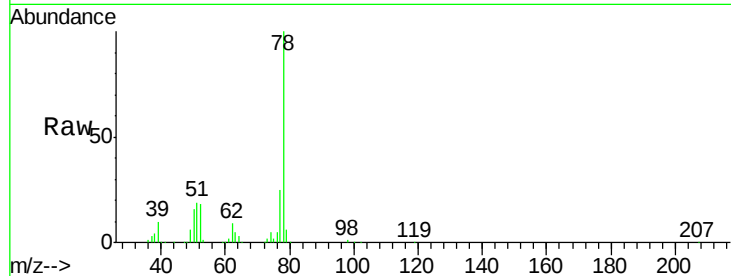
77 24.7 19.5 29.3

Manual Integrations

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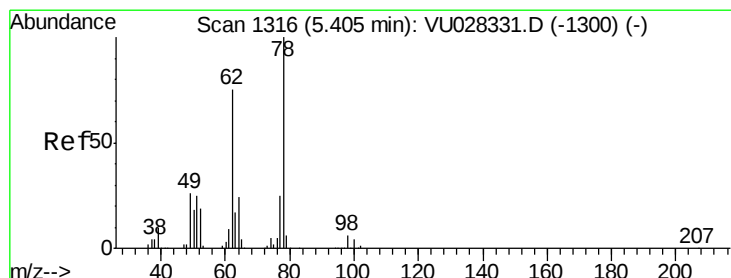
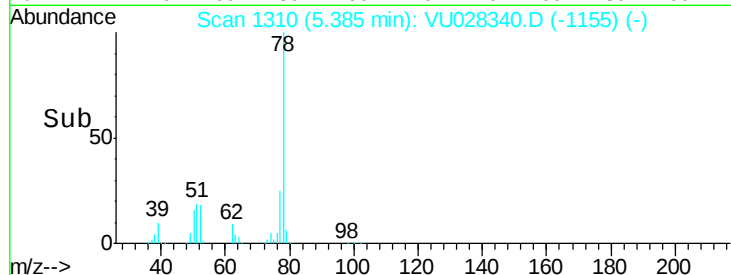
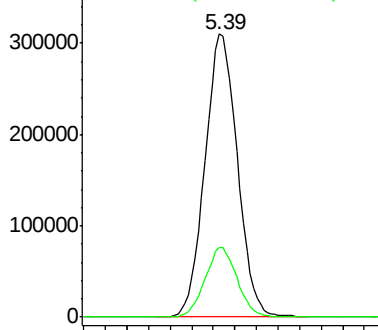
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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0



#36

1,2-Dichloroethane

Concen: 9.822 ug/l

RT: 5.40 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VU028340.D

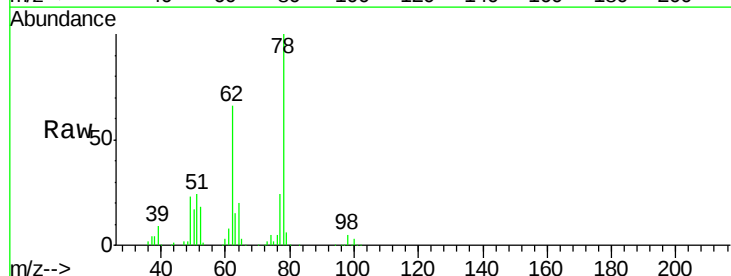
Acq: 26 Nov 2018 15:45

Tgt Ion: 62 Resp: 191382

Ion Ratio Lower Upper

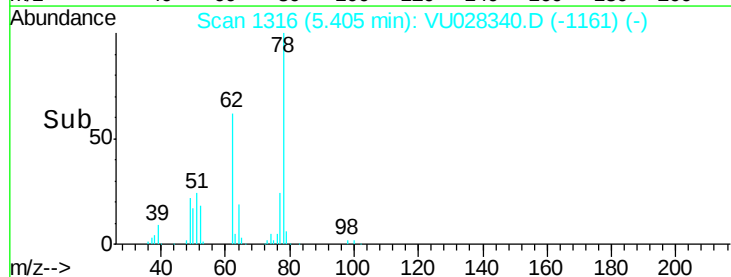
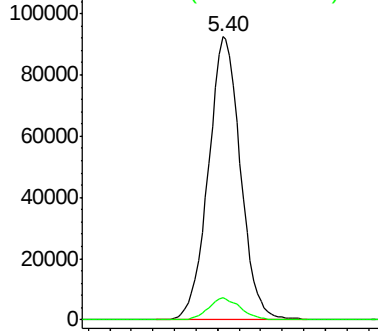
62 100

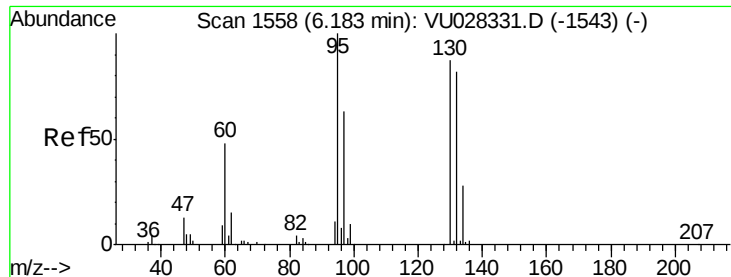
98 7.6 6.0 9.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

Trichloroethene

Concen: 9.959 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 130 Resp: 141307

Ion Ratio Lower Upper

130 100

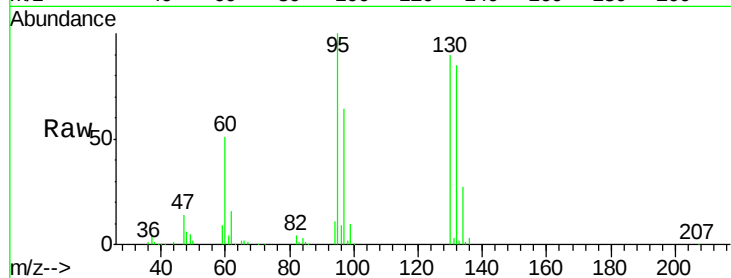
95 110.6 91.5 137.3

Manual Integrations

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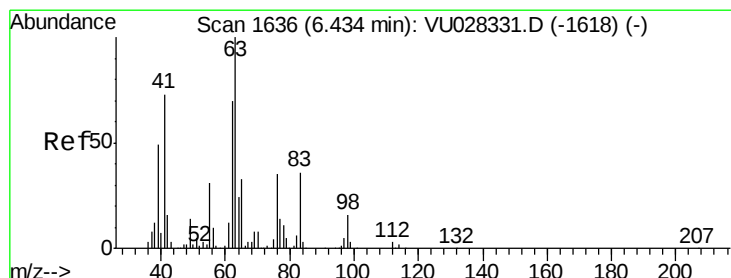
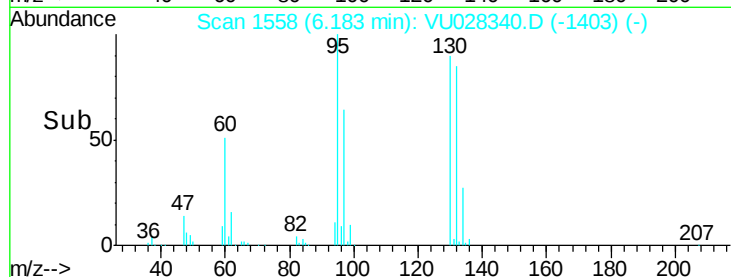
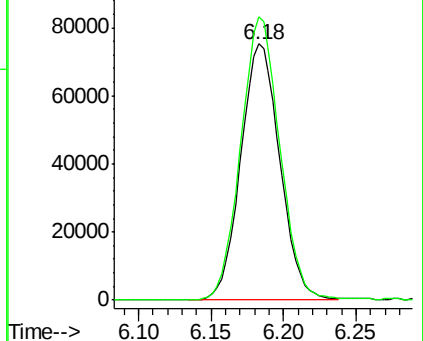
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Abundance Ion 129.90 (129.60 to 130.60): VU028331.D (-1543) (-)

Ion 94.90 (94.60 to 95.60): VU028331.D (-1543) (-)



#38

1,2-Dichloropropane

Concen: 9.938 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028340.D

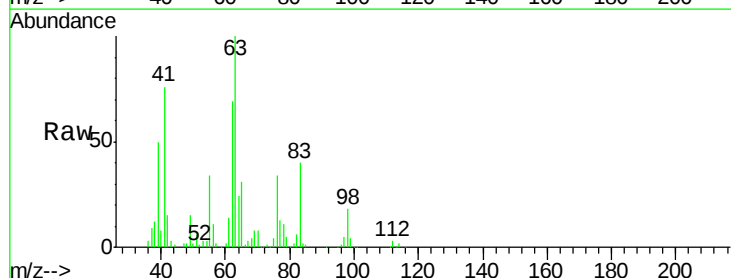
Acq: 26 Nov 2018 15:45

Tgt Ion: 63 Resp: 184626

Ion Ratio Lower Upper

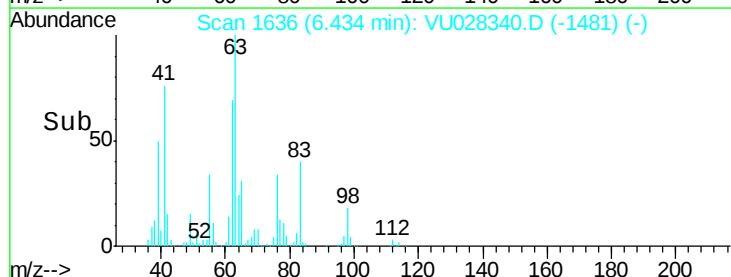
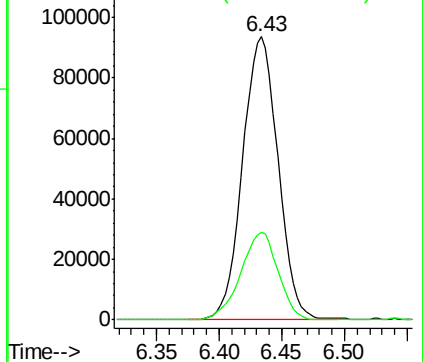
63 100

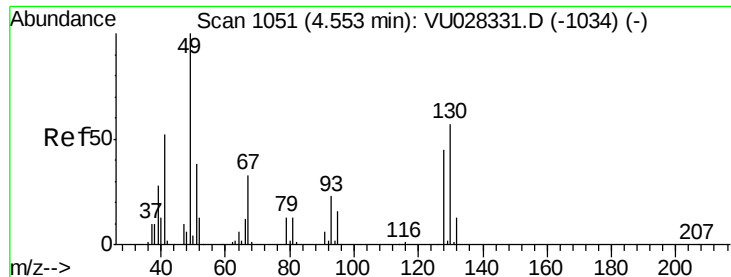
65 31.1 26.2 39.4



Abundance Ion 63.00 (62.70 to 63.70): VU028331.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU028331.D (-1618) (-)





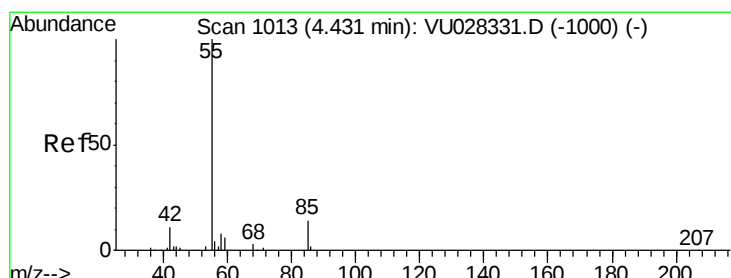
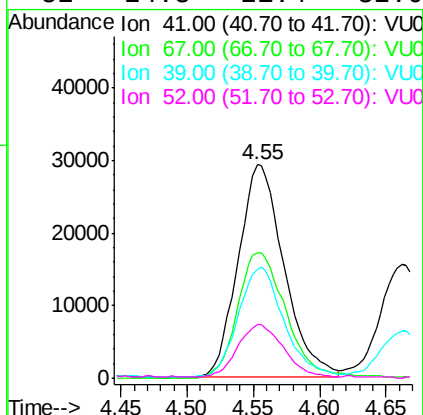
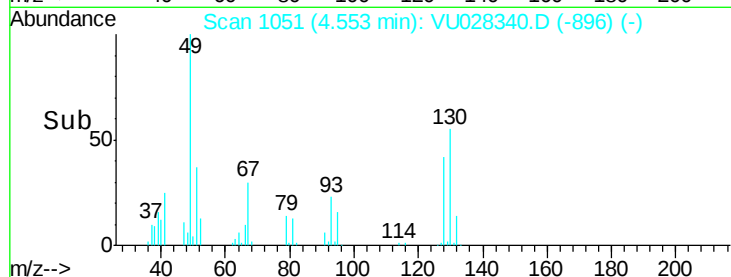
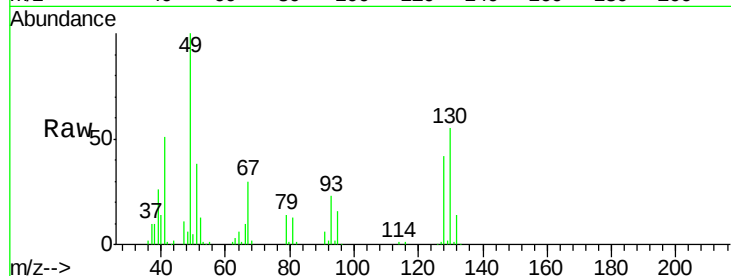
#39
Methacrylonitrile
Concen: 9.742 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
41	100		
67	62.8	48.2	72.4
39	51.5	42.9	64.3
52	24.8	21.4	32.0

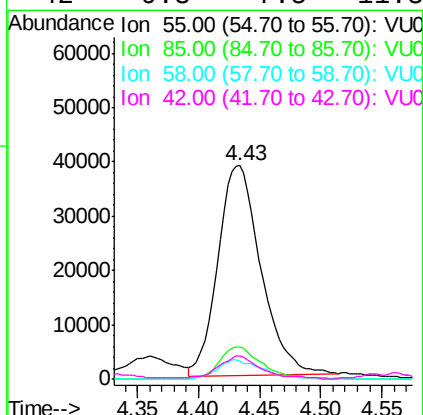
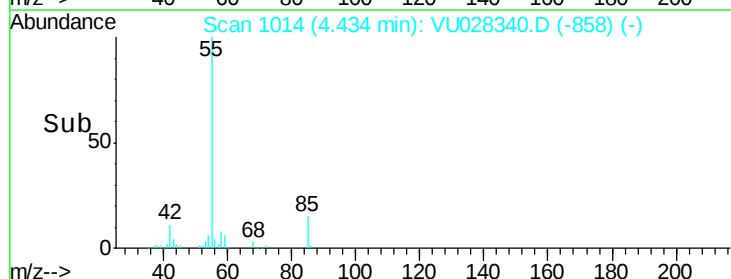
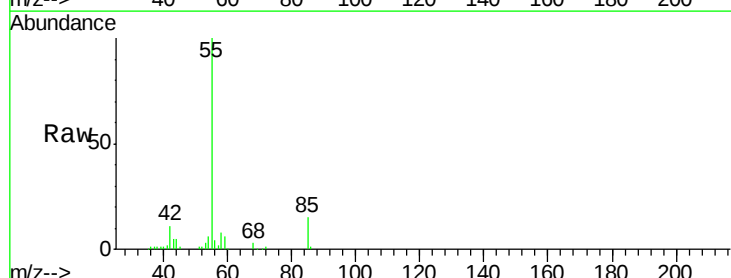
Manual Integrations
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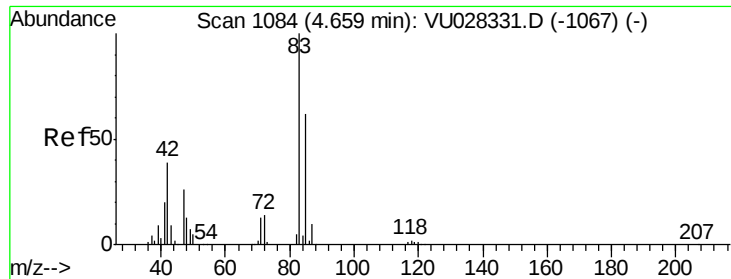
MMDadoda
11/30/2018 2:33:44 PM



#40
Methyl acrylate
Concen: 9.445 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.2	10.9	16.3
58	9.3	6.4	9.6
42	9.3	7.5	11.3





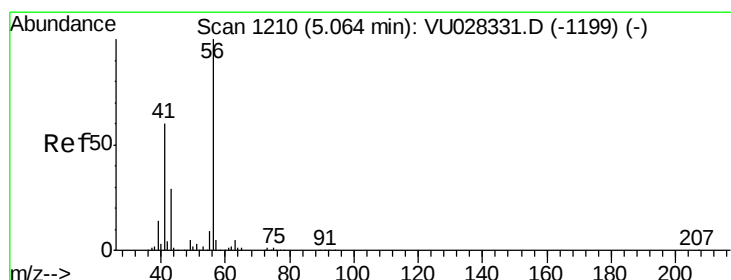
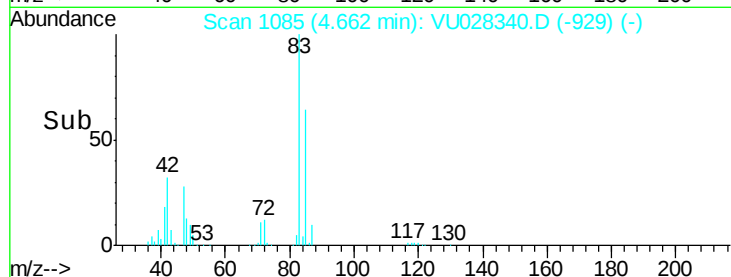
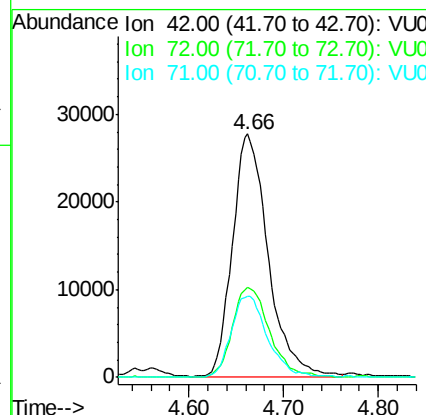
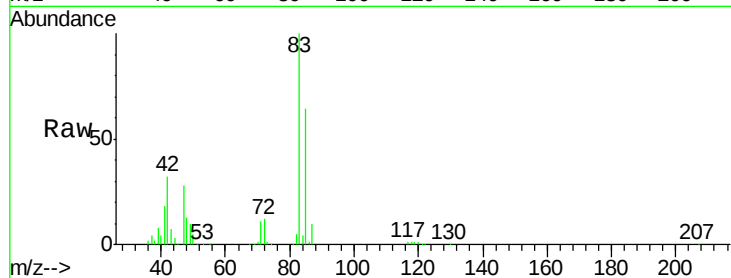
#41
Tetrahydrofuran
Concen: 19.743 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.8	29.8	44.6
71	34.4	25.9	38.9

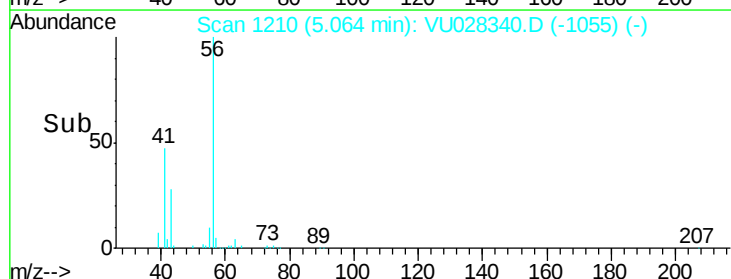
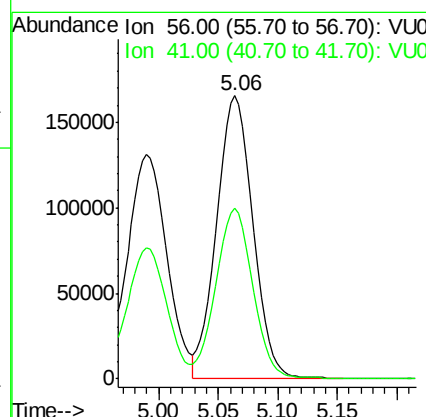
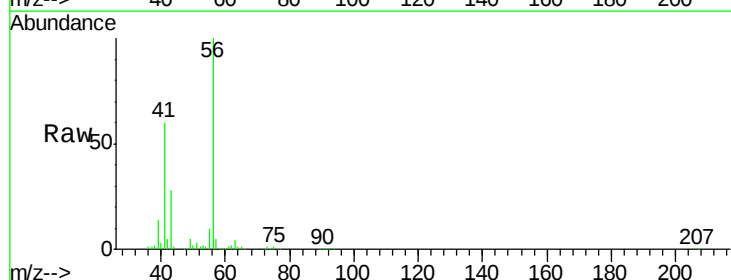
Manual Integrations
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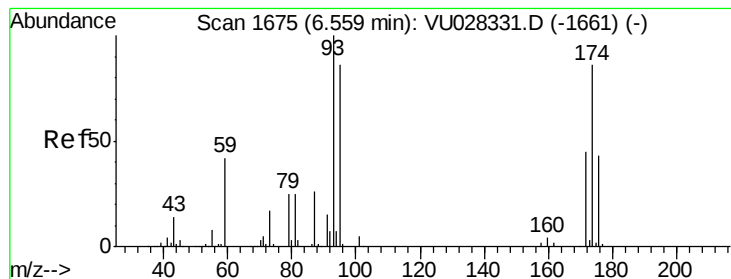
MMDadoda
11/30/2018 2:33:44 PM



#42
1-Chlorobutane
Concen: 9.942 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.1	29.8	89.3





#43

Dibromomethane

Concen: 9.995 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

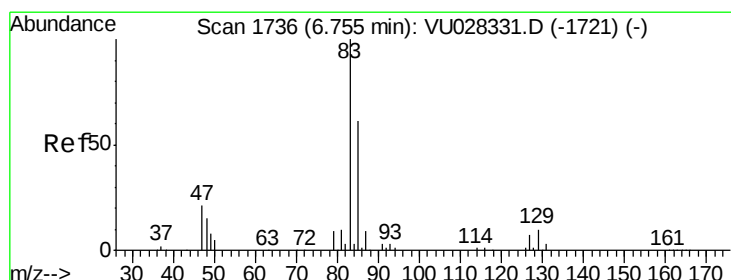
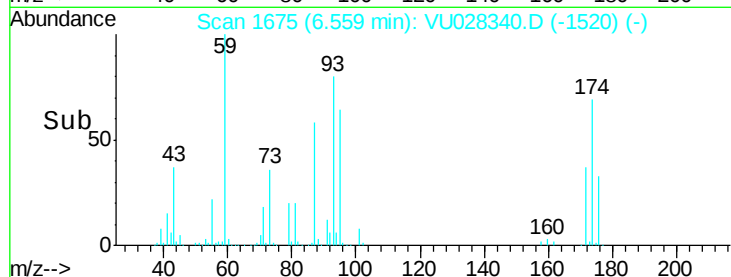
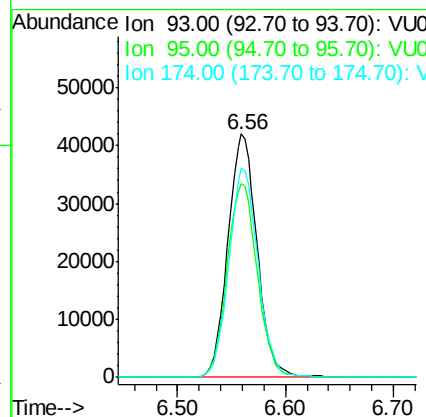
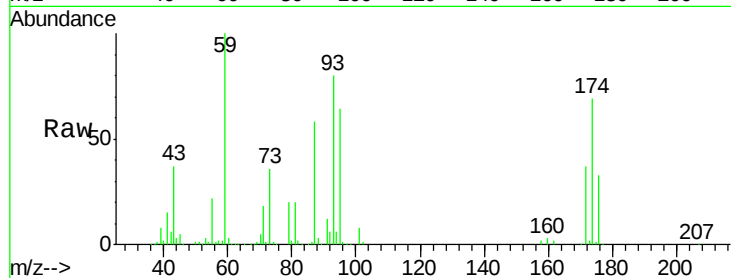
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	93	Resp:	79045
Ion Ratio	Lower	Upper	
93	100		
95	82.3	66.6	99.8
174	86.1	69.4	104.2

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#44

Bromodichloromethane

Concen: 9.922 ug/l

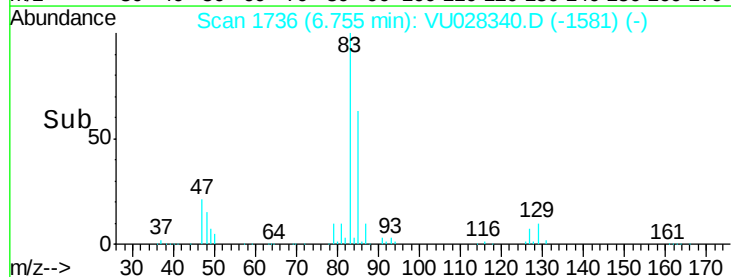
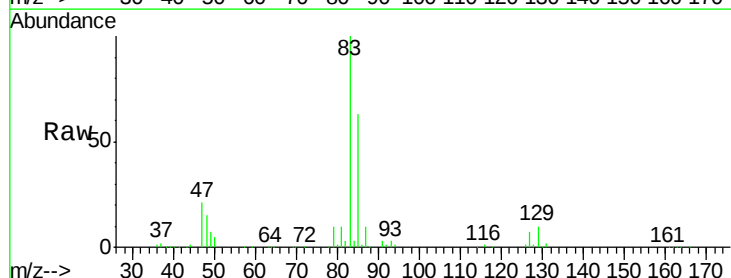
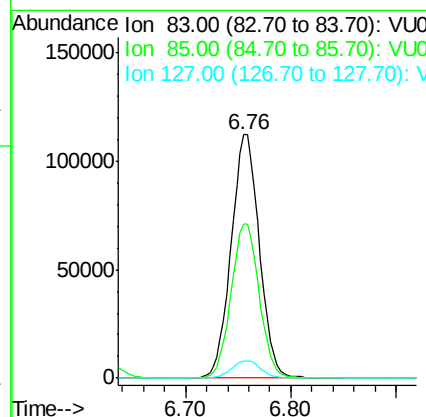
RT: 6.76 min Scan# 1736

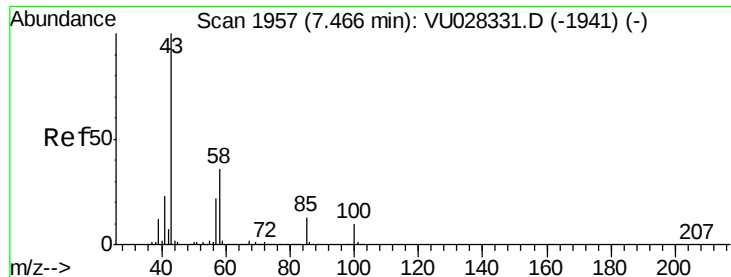
Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Tgt Ion:	83	Resp:	207202
Ion Ratio	Lower	Upper	
83	100		
85	63.2	49.0	73.6
127	7.2	5.7	8.5





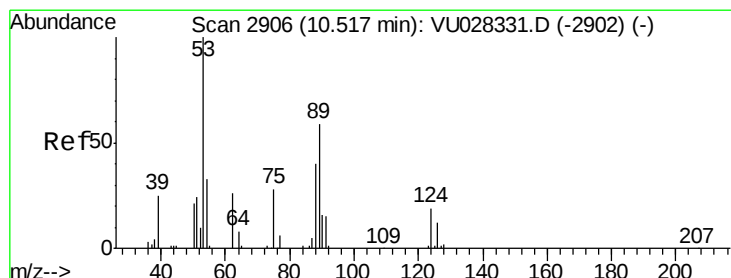
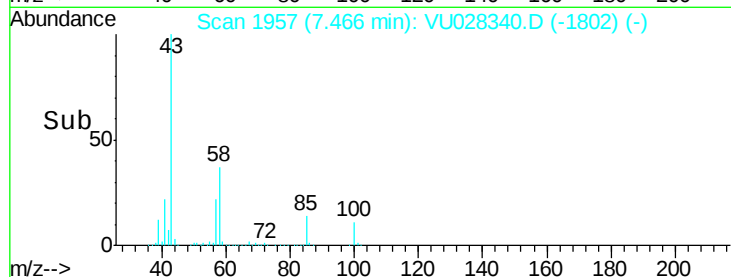
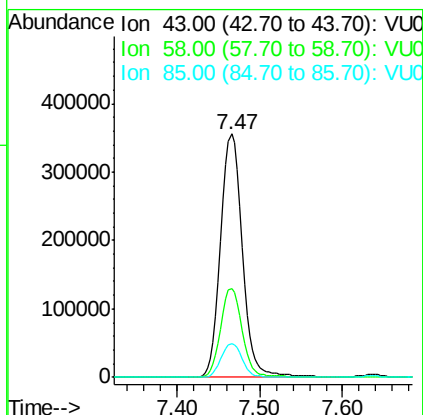
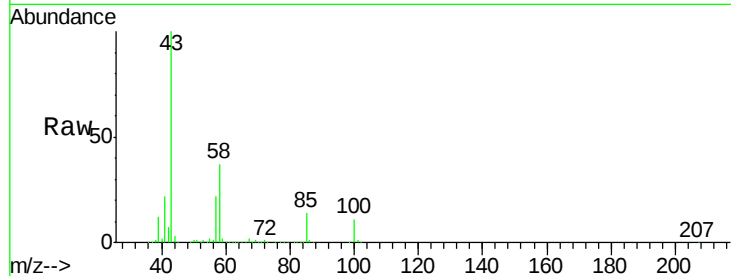
#45
 4-Methyl-2-Pentanone
 Concen: 51.089 ug/l
 RT: 7.47 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.9	17.9	53.7
85	13.4	10.8	16.2

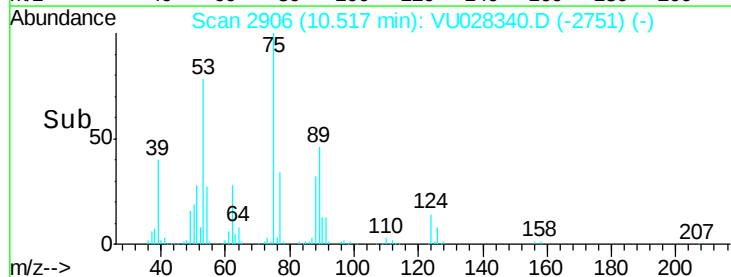
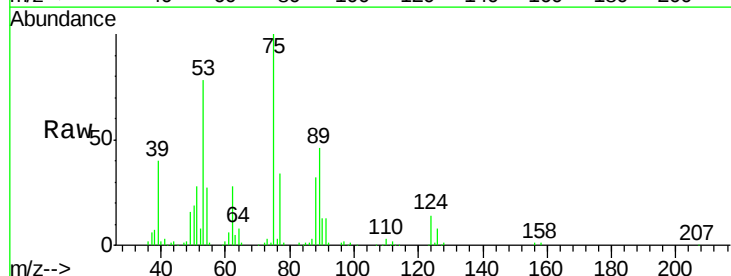
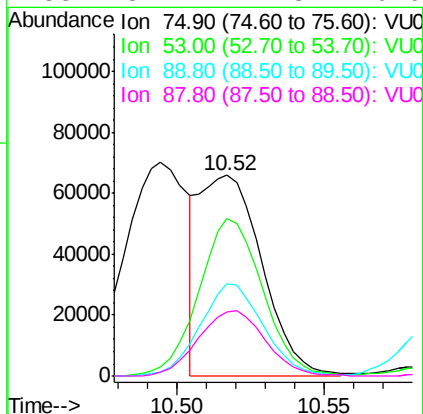
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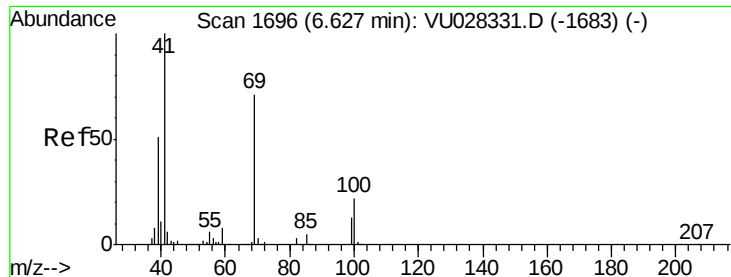
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#46
 t-1,4-Dichloro-2-butene
 Concen: 20.946 ug/l m
 RT: 10.52 min Scan# 2906
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.8	65.0	97.6
89	46.4	38.6	58.0
88	34.7	27.3	40.9





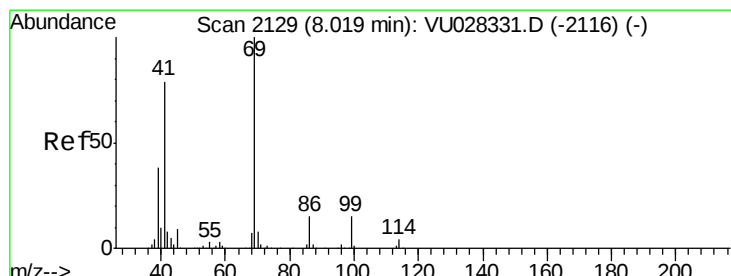
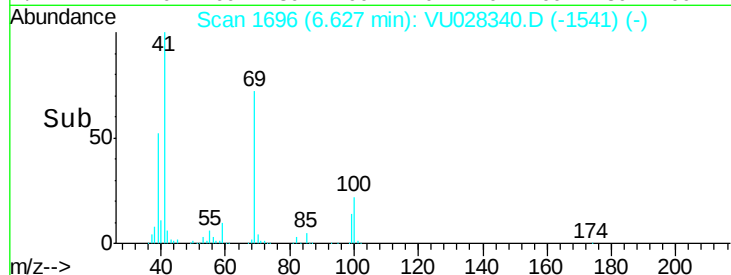
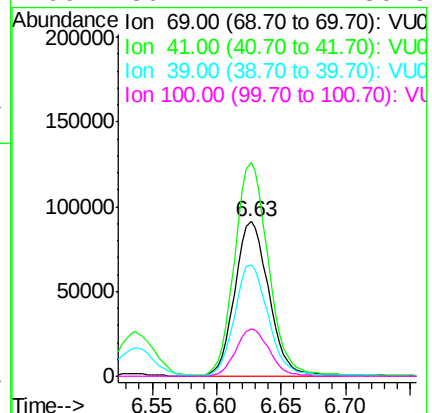
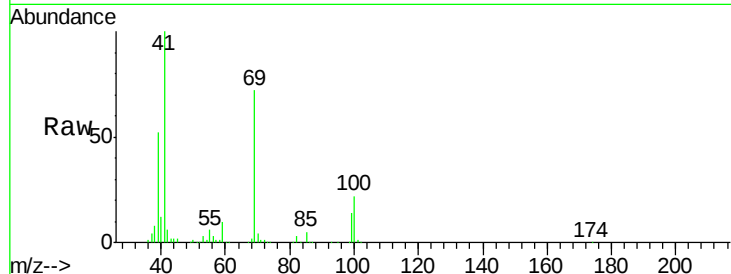
#47
Methyl methacrylate
Concen: 20.812 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
69	100		
41	136.1	0.0	277.2
39	70.8	57.6	86.4
100	30.2	24.4	36.6

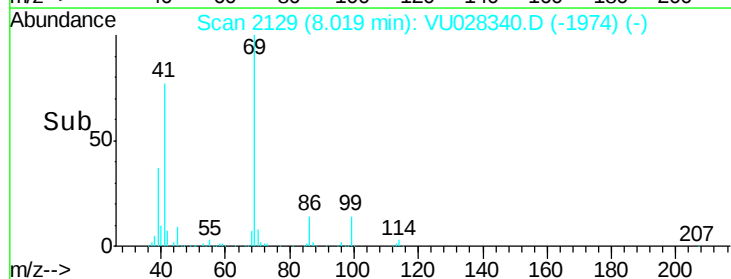
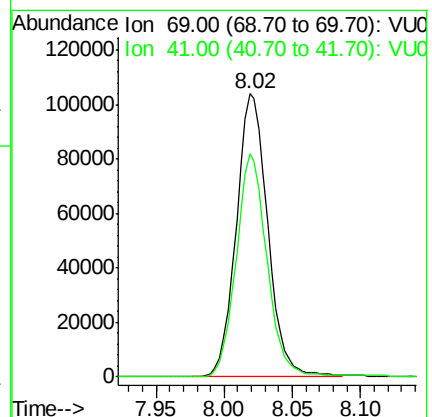
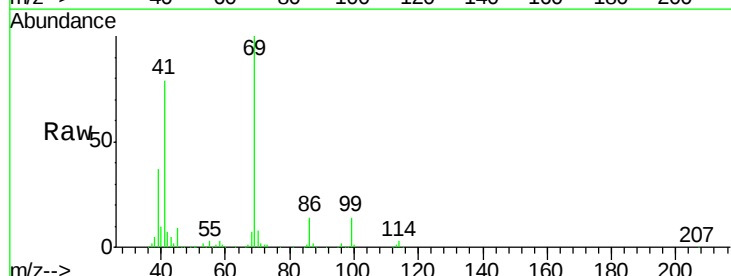
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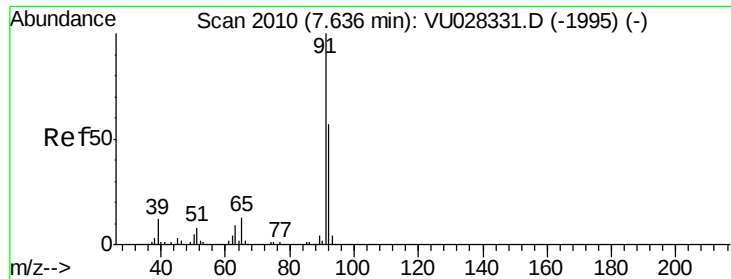
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#48
Ethyl methacrylate
Concen: 10.306 ug/l
RT: 8.02 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.7	39.4	118.2





#49

Toluene

Concen: 10.121 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 92 Resp: 366177

Ion Ratio Lower Upper

92 100

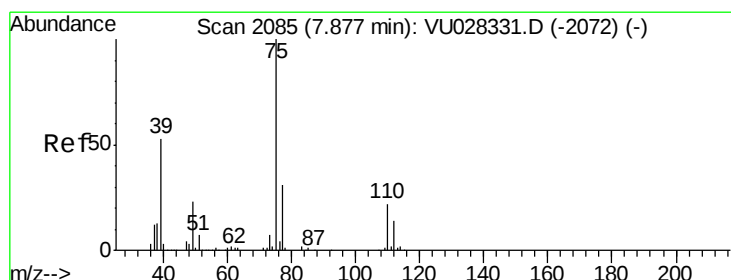
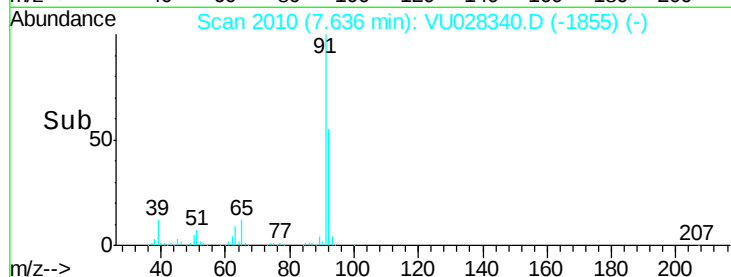
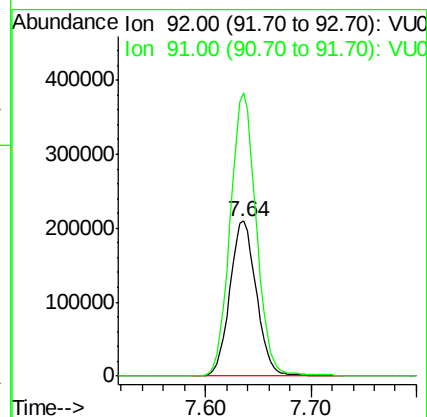
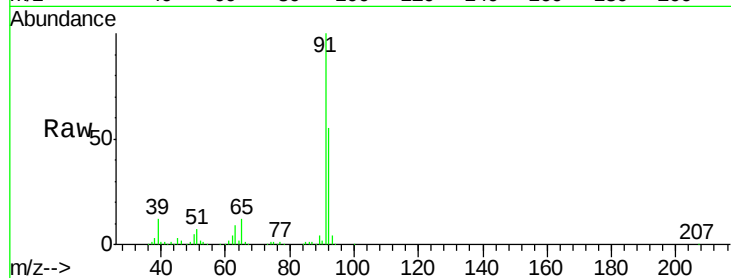
91 177.9 141.5 212.3

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#50

t-1,3-Dichloropropene

Concen: 10.011 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028340.D

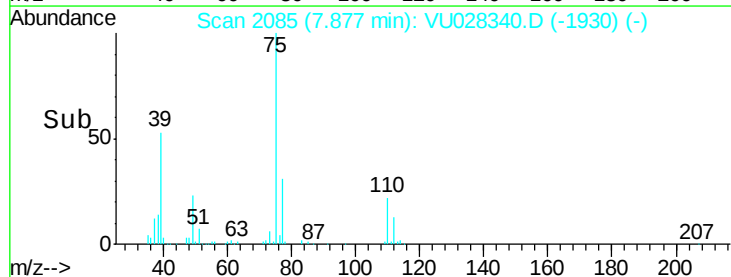
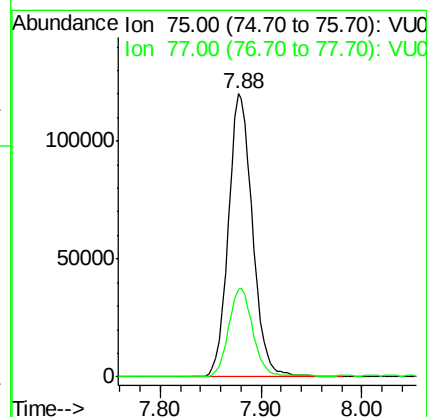
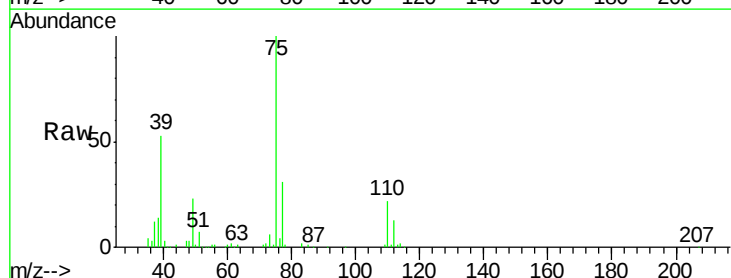
Acq: 26 Nov 2018 15:45

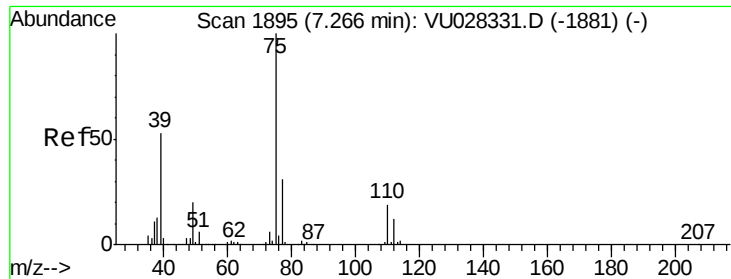
Tgt Ion: 75 Resp: 200791

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1





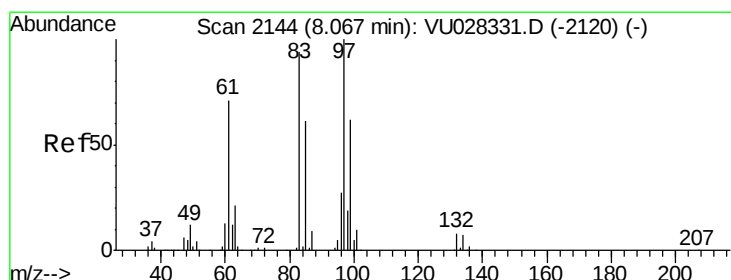
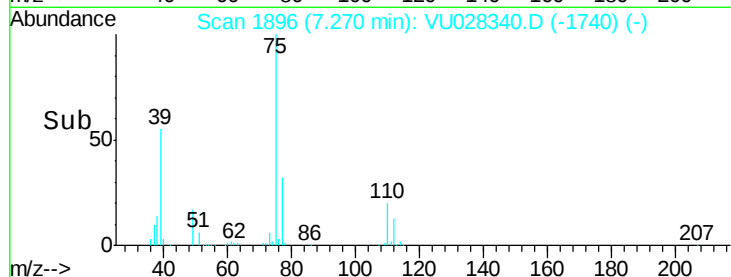
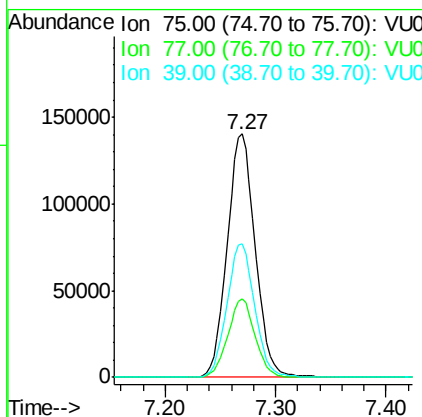
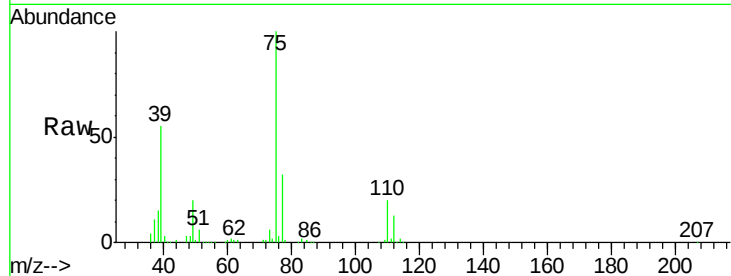
#51
 cis-1,3-Dichloropropene
 Concen: 9.976 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6
39	54.5	42.8	64.2

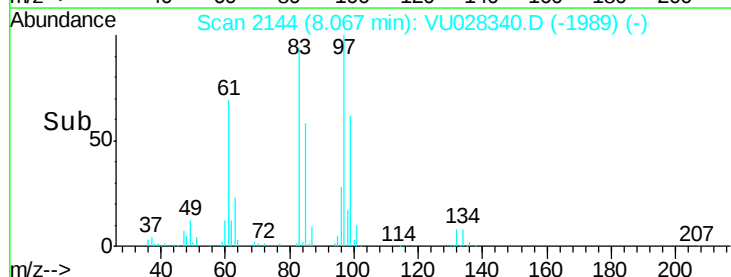
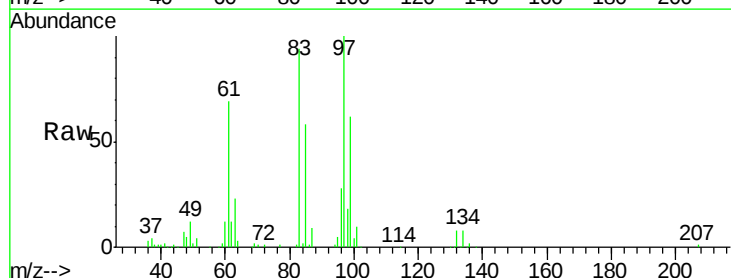
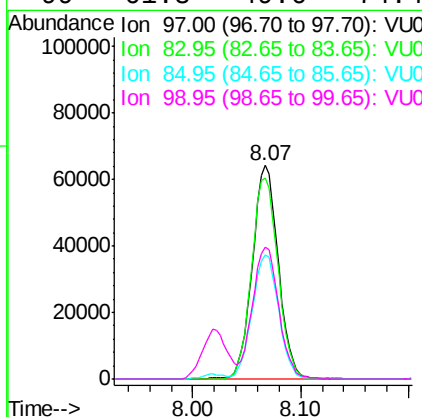
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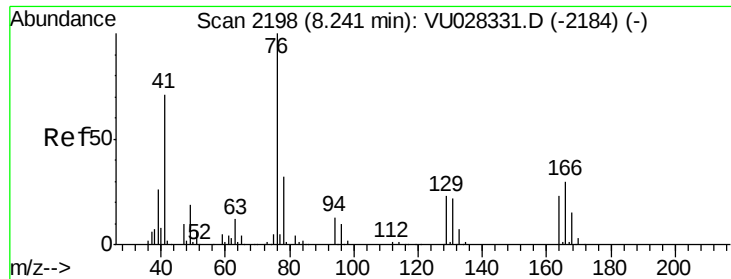
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#52
 1,1,2-Trichloroethane
 Concen: 9.673 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	94.4	75.1	112.7
85	58.1	48.7	73.1
99	61.8	49.6	74.4





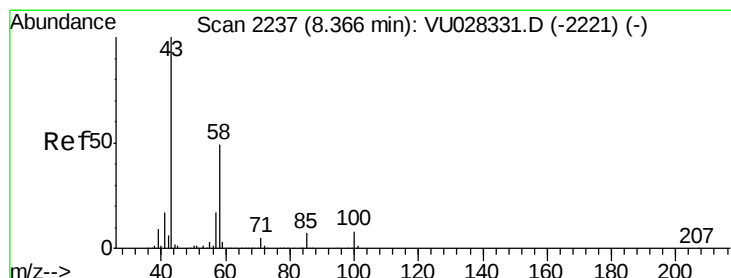
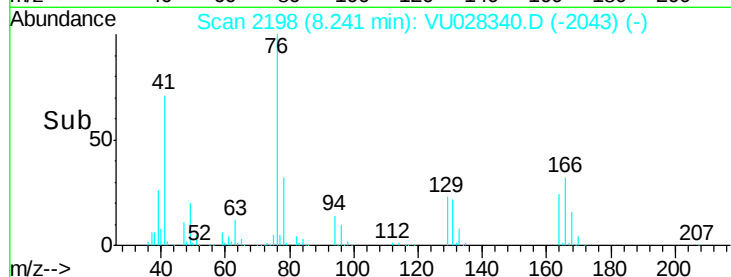
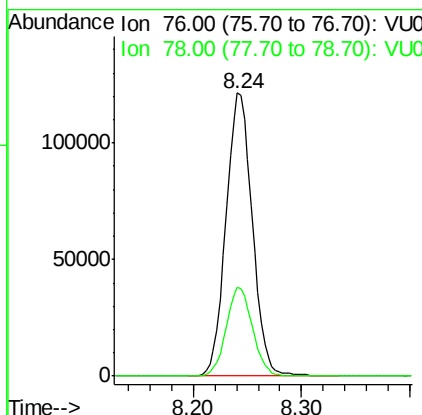
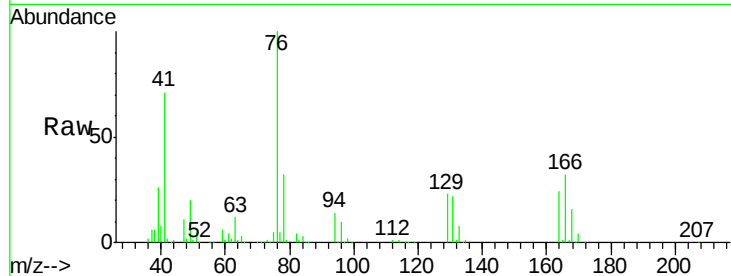
#53
 1,3-Dichloropropane
 Concen: 9.966 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 76 Resp: 206707
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.4 38.0

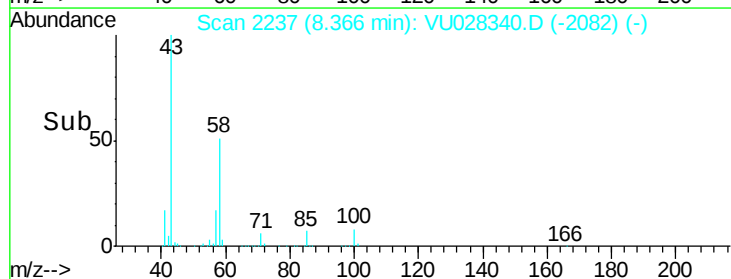
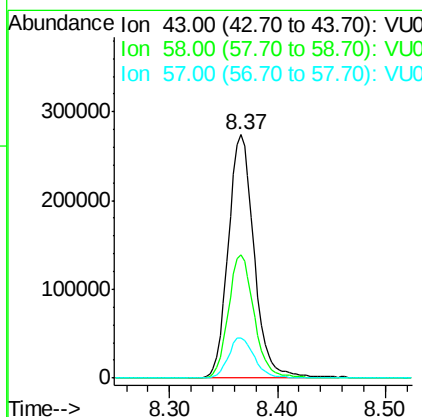
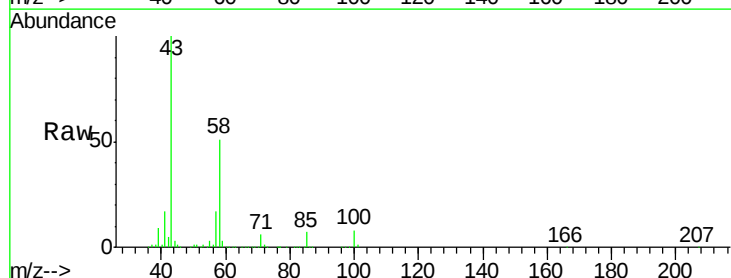
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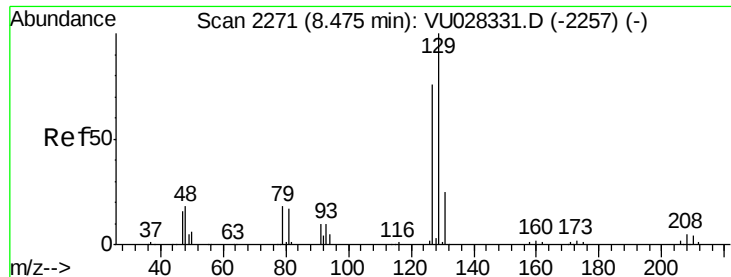
MMDadoda
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#54
 2-Hexanone
 Concen: 49.976 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion: 43 Resp: 456687
 Ion Ratio Lower Upper
 43 100
 58 50.6 29.3 69.3
 57 16.8 0.0 36.8





#55

Dibromochloromethane

Concen: 9.715 ug/l

RT: 8.48 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:129 Resp: 114739

Ion Ratio Lower Upper

129 100

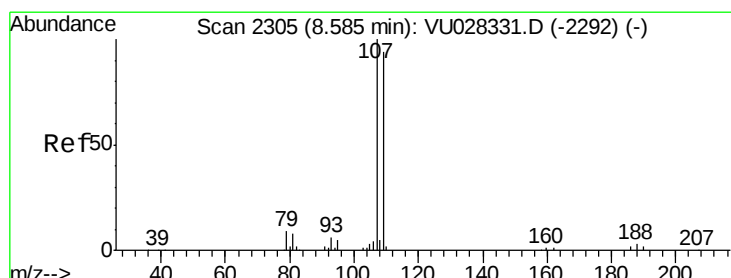
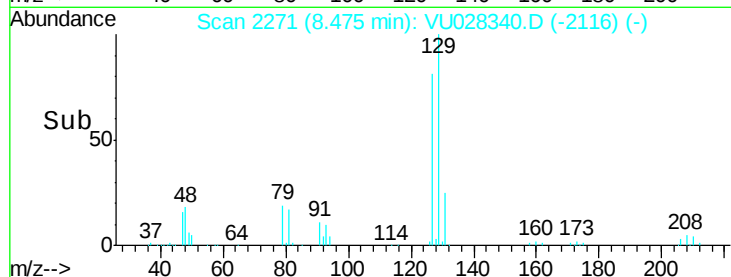
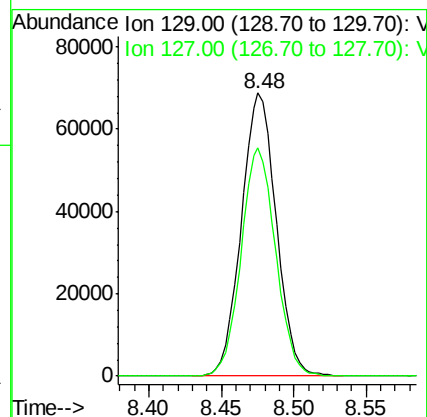
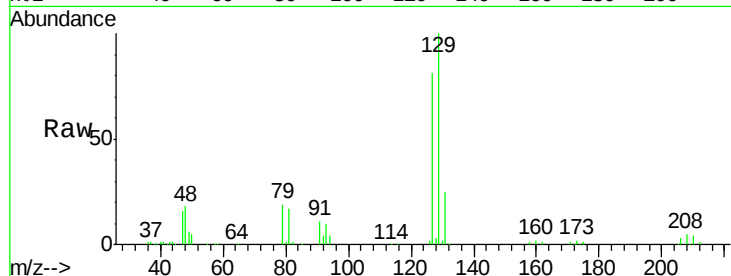
127 79.7 61.0 91.4

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#56

1,2-Dibromoethane

Concen: 10.065 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028340.D

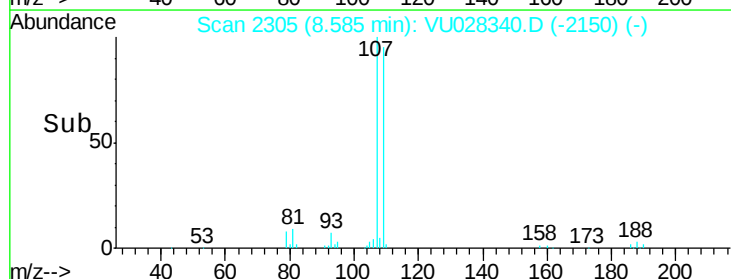
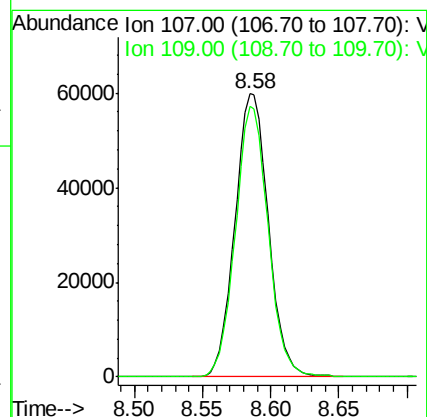
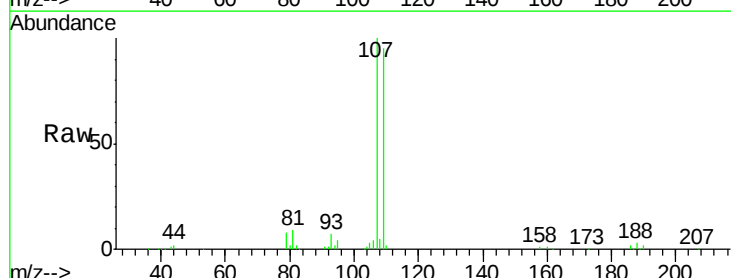
Acq: 26 Nov 2018 15:45

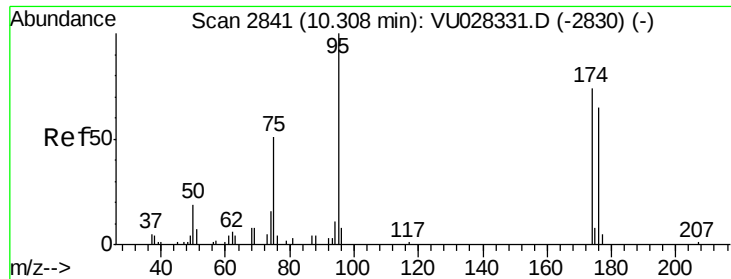
Tgt Ion:107 Resp: 101791

Ion Ratio Lower Upper

107 100

109 93.8 0.0 187.8





#57

4-Bromofluorobenzene

Concen: 10.065 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

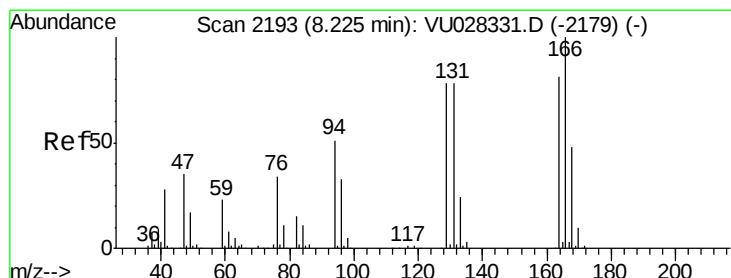
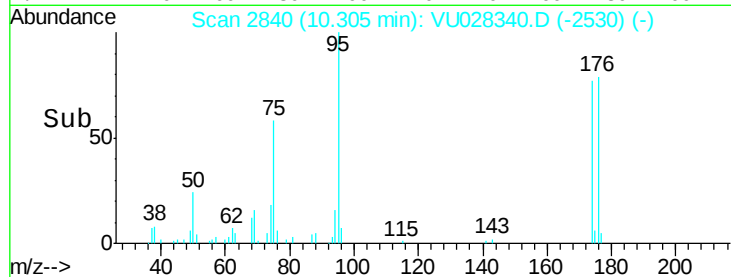
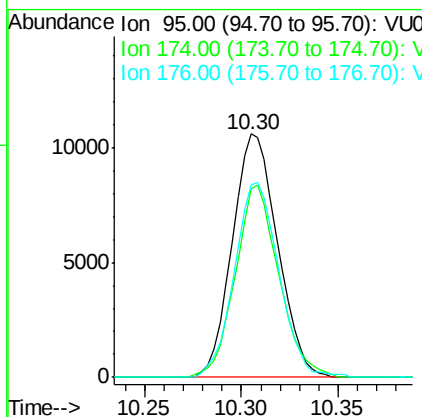
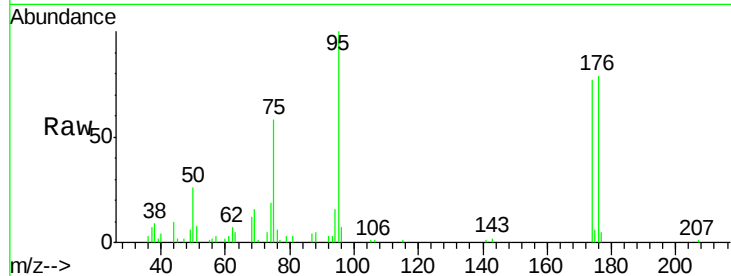
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	95	Resp:	17208
Ion Ratio	Lower	Upper	
95	100		
174	76.2	59.3	88.9
176	78.8	54.3	81.5

Manual Integrations
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#58

Tetrachloroethene

Concen: 9.741 ug/l

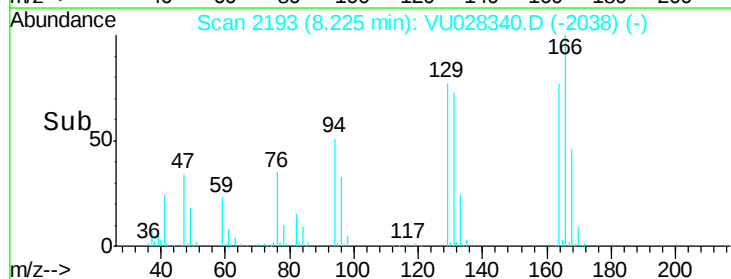
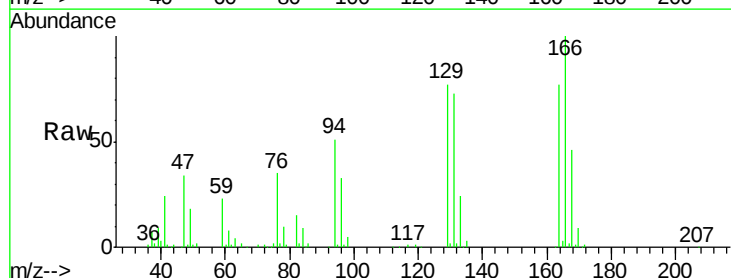
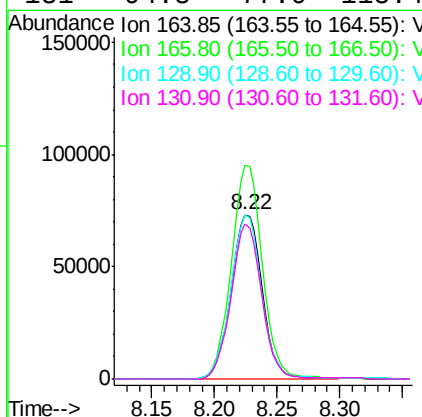
RT: 8.22 min Scan# 2193

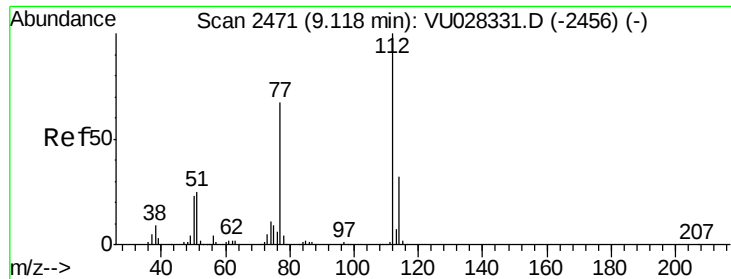
Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Tgt Ion:	164	Resp:	126543
Ion Ratio	Lower	Upper	
164	100		
166	130.3	98.6	148.0
129	99.8	77.0	115.4
131	94.8	77.0	115.4





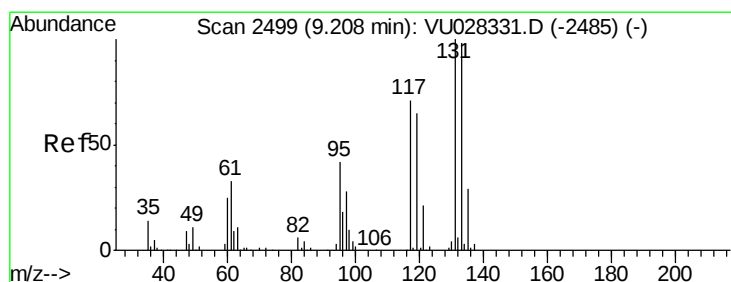
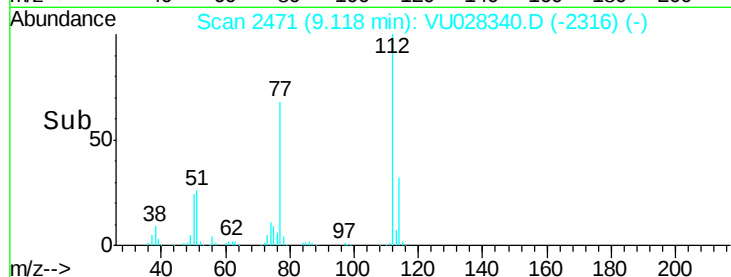
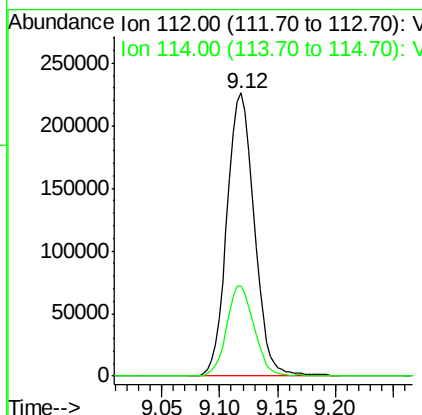
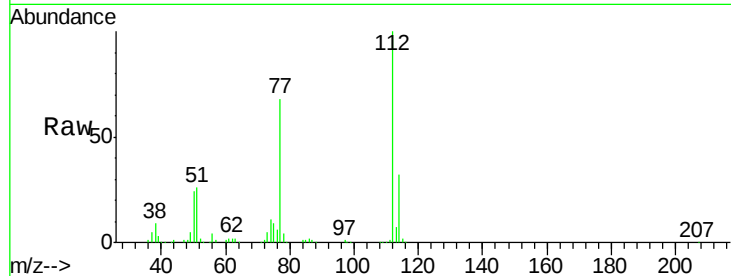
#59
Chlorobenzene
Concen: 9.855 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:112 Resp: 371032
Ion Ratio Lower Upper
112 100
114 31.8 25.2 37.8

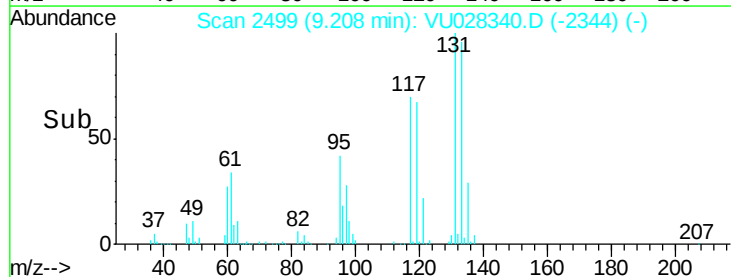
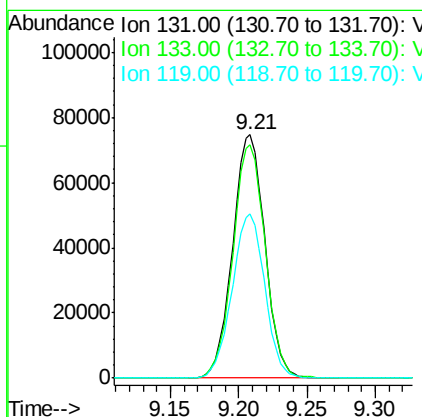
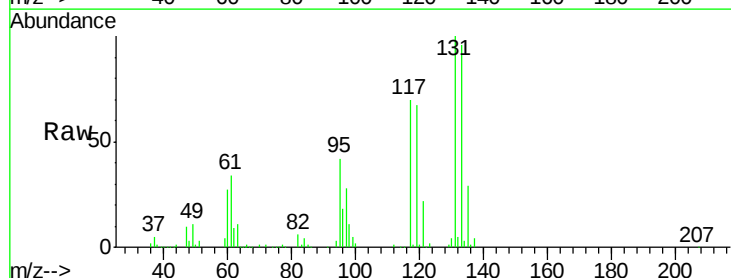
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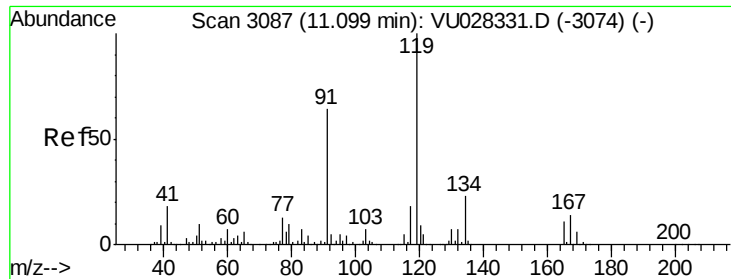
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.601 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion:131 Resp: 122490
Ion Ratio Lower Upper
131 100
133 96.5 77.7 116.5
119 68.2 54.3 81.5





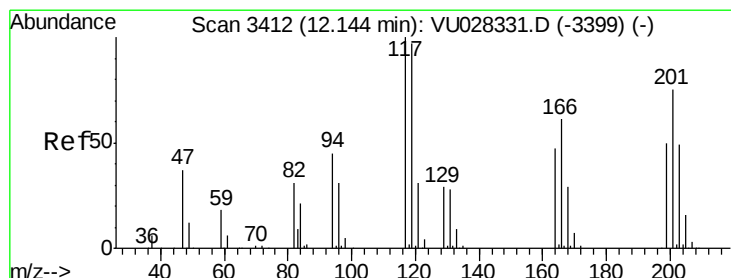
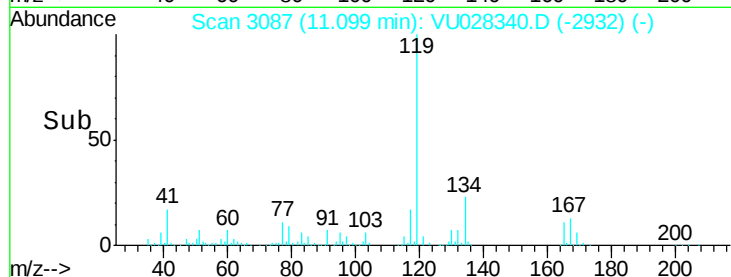
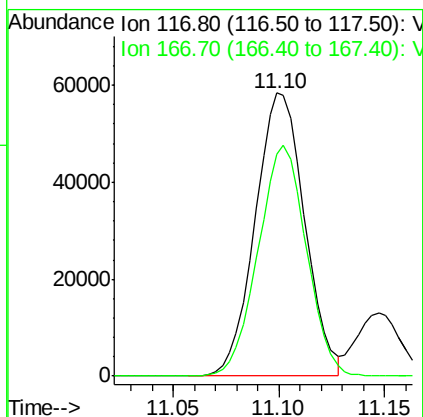
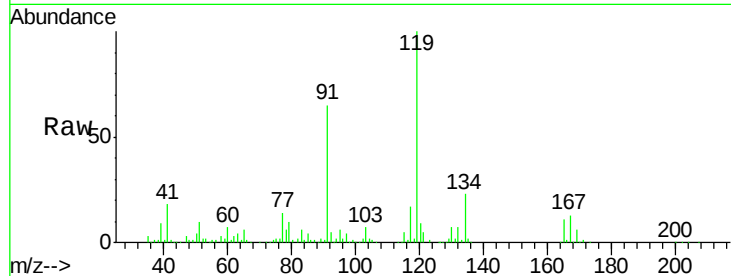
#61
 Pentachloroethane
 Concen: 9.591 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:117 Resp: 95222
 Ion Ratio Lower Upper
 117 100
 167 79.8 64.2 96.2

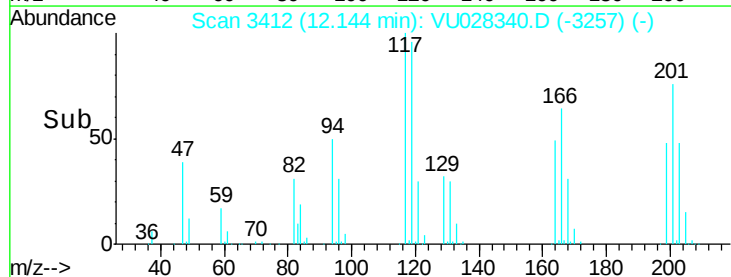
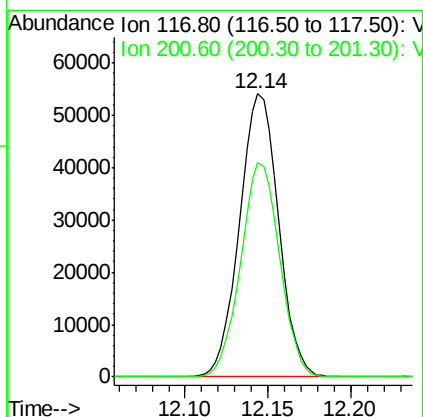
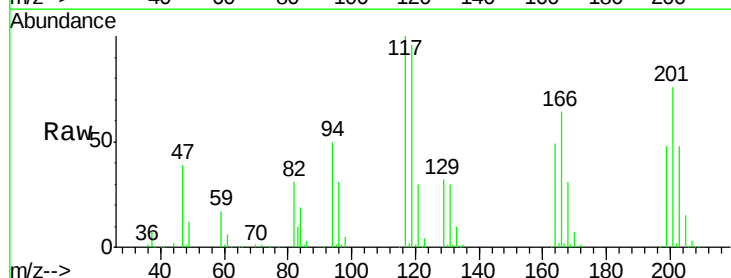
Manual Integrations
 APPROVED

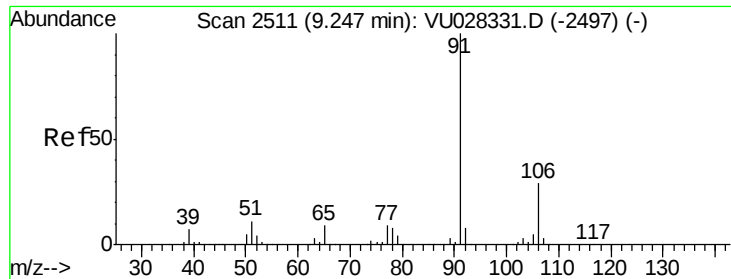
MMDadoda
 11/30/2018 2:33:44 PM



#62
 Hexachloroethane
 Concen: 9.518 ug/l
 RT: 12.14 min Scan# 3412
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion:117 Resp: 88556
 Ion Ratio Lower Upper
 117 100
 201 75.4 59.4 89.2





#63

Ethyl Benzene

Concen: 10.253 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 712239

Ion Ratio Lower Upper

91 100

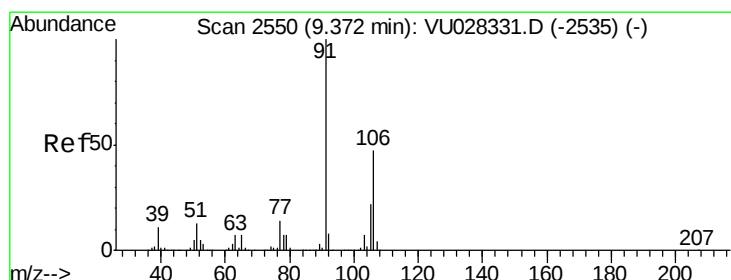
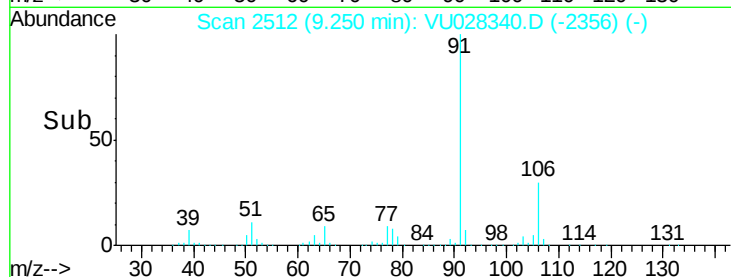
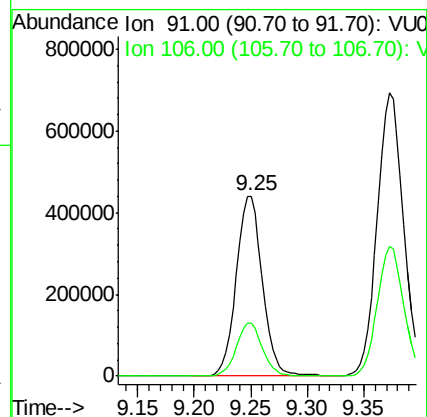
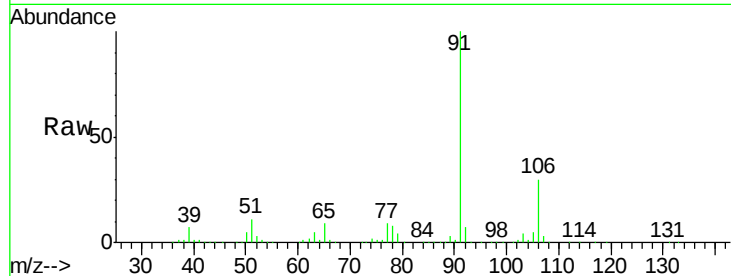
106 29.8 23.4 35.2

Manual Integrations

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#64

m/p-Xylenes

Concen: 20.540 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028340.D

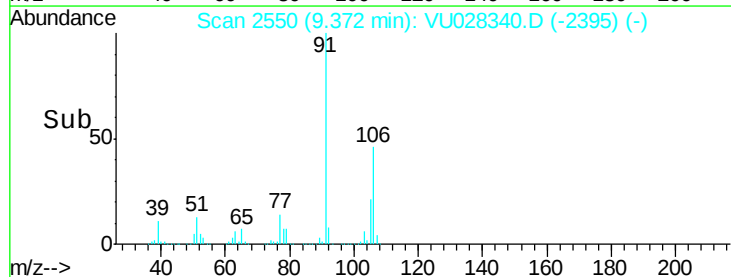
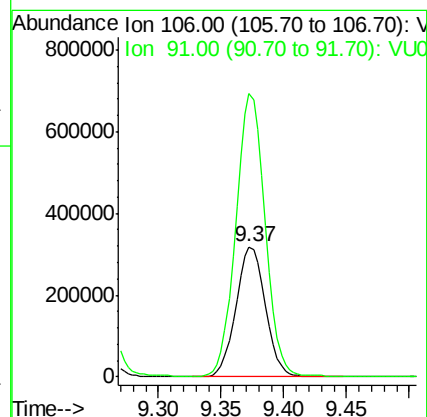
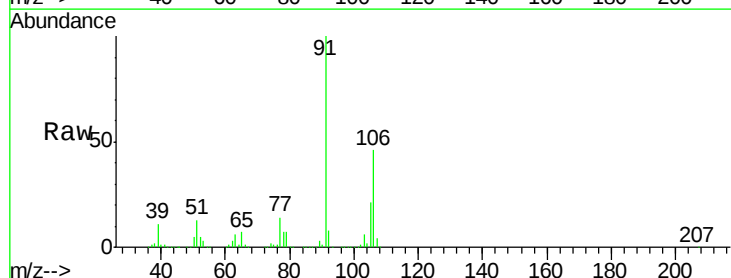
Acq: 26 Nov 2018 15:45

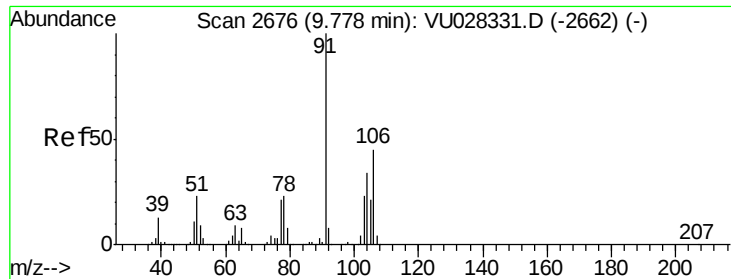
Tgt Ion: 106 Resp: 516368

Ion Ratio Lower Upper

106 100

91 216.7 170.6 256.0





#65

o-Xylene

Concen: 10.232 ug/l

RT: 9.78 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:106 Resp: 248211

Ion Ratio Lower Upper

106 100

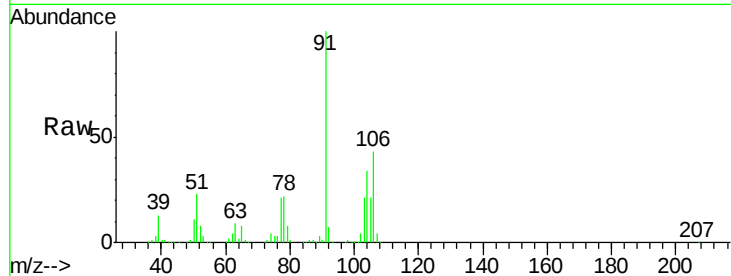
91 229.4 112.3 337.0

Manual Integrations

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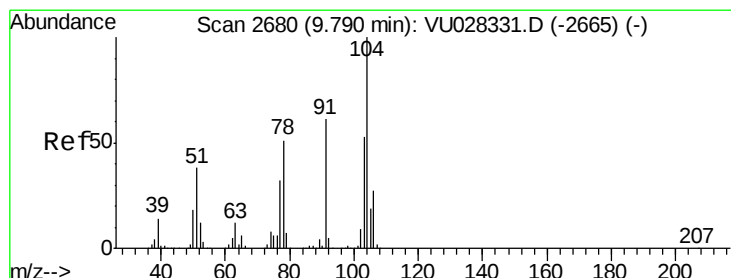
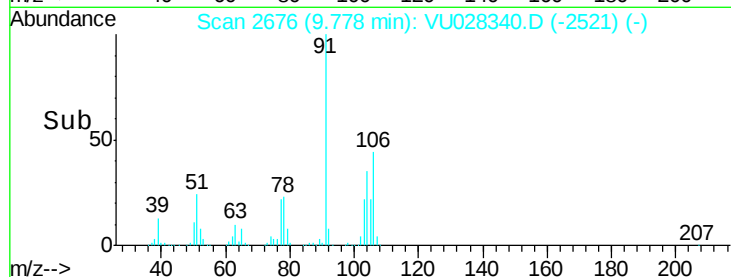
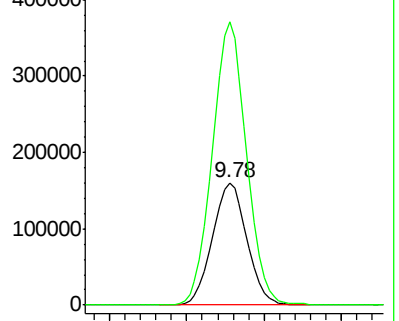
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 10.369 ug/l

RT: 9.79 min Scan# 2680

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

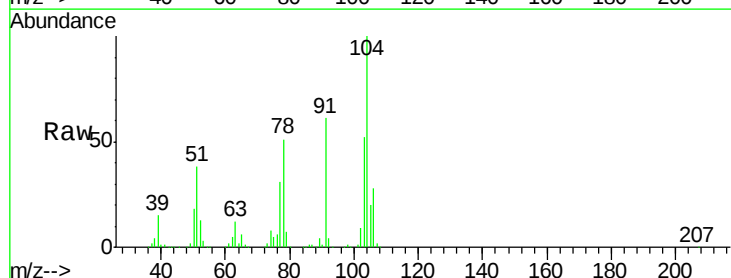
Tgt Ion:104 Resp: 431471

Ion Ratio Lower Upper

104 100

78 54.7 44.0 66.0

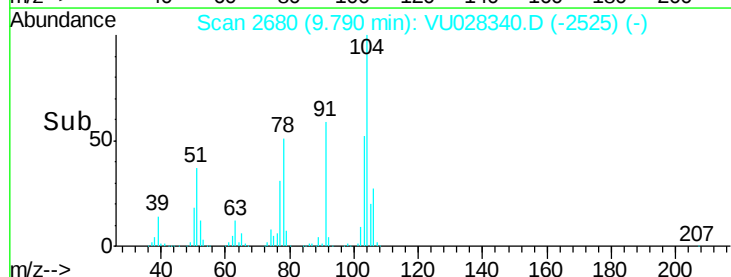
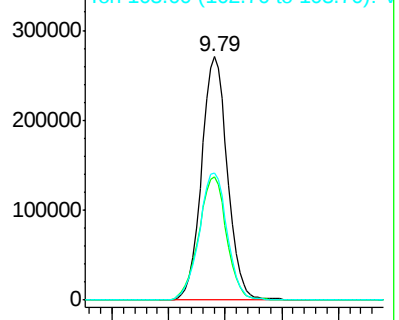
103 56.5 45.2 67.8

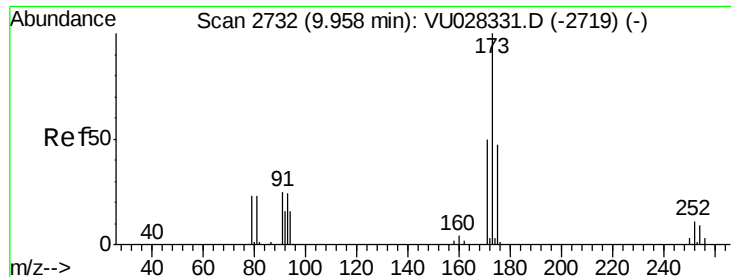


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





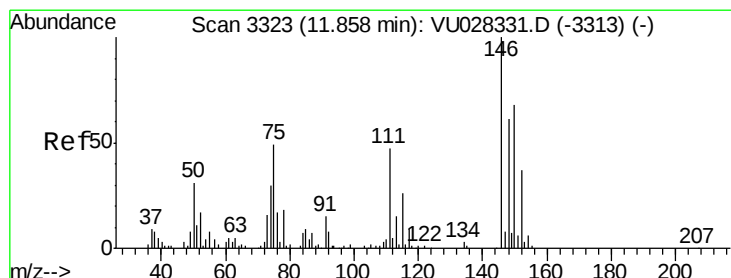
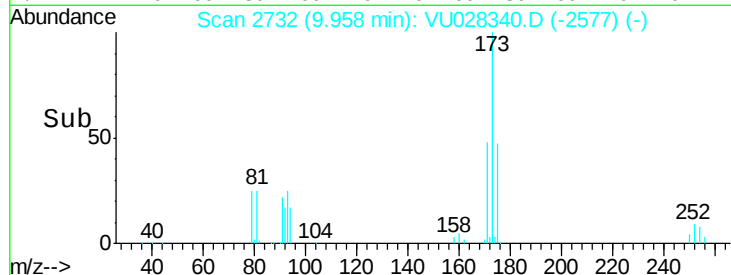
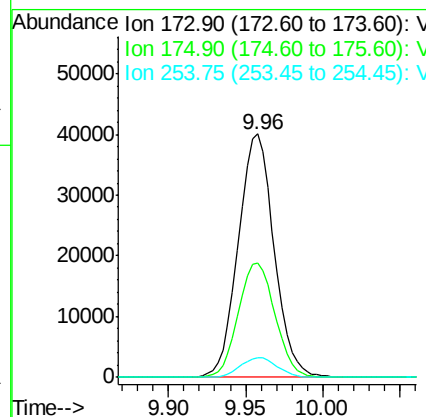
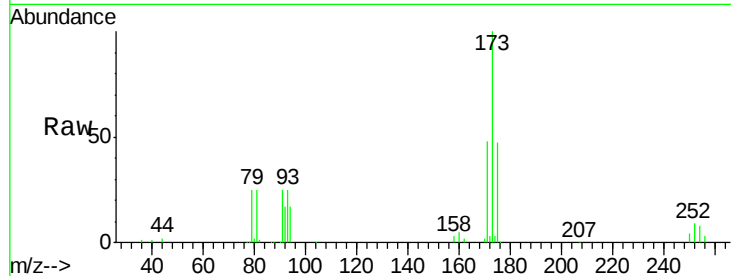
#67
Bromoform
Concen: 9.728 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 64389
Ion Ratio Lower Upper
173 100
175 48.1 39.0 58.6
254 8.4 6.8 10.2

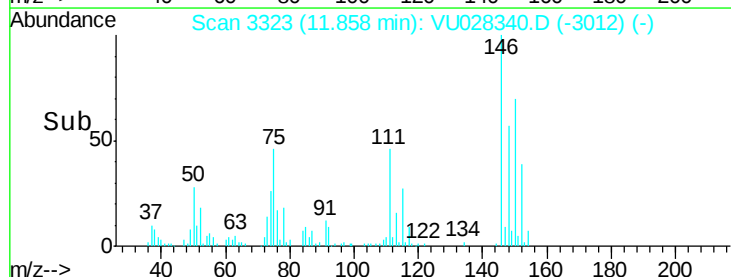
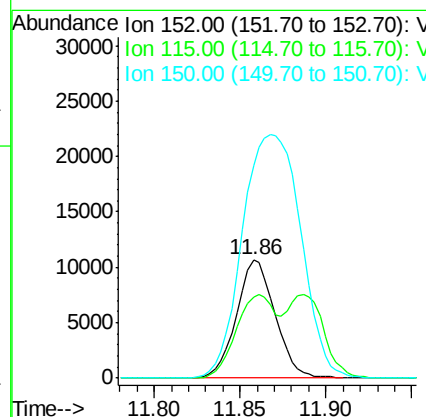
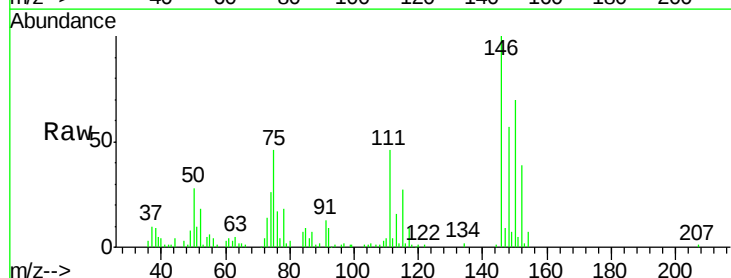
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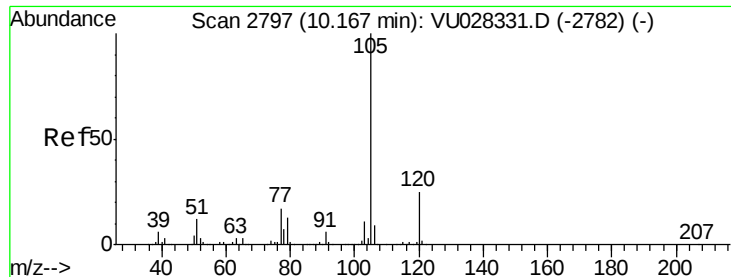
MMDadoda
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#68
1,2-Dichlorobenzene-d4
Concen: 9.728 ug/l
RT: 11.86 min Scan# 3323
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion:152 Resp: 16684
Ion Ratio Lower Upper
152 100
115 74.8 0.0 146.8
150 311.7 0.0 653.2





#69

Isopropylbenzene

Concen: 10.210 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 105 Resp: 663244

Ion Ratio Lower Upper

105 100

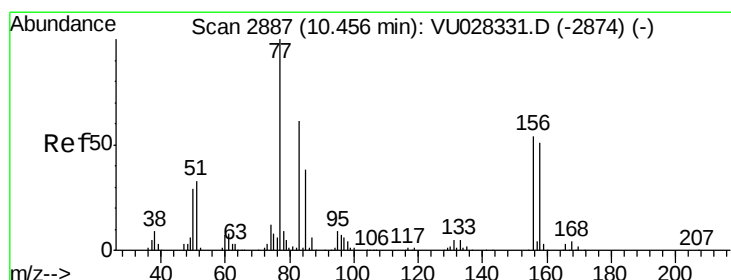
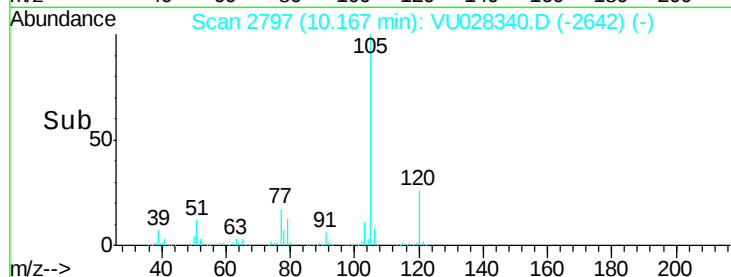
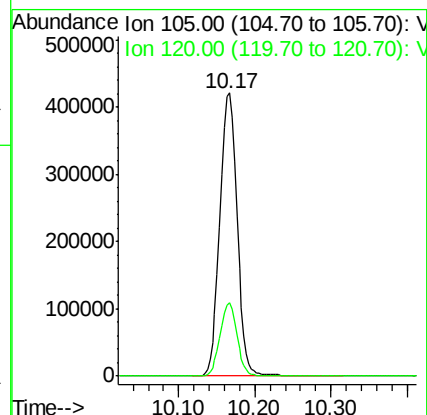
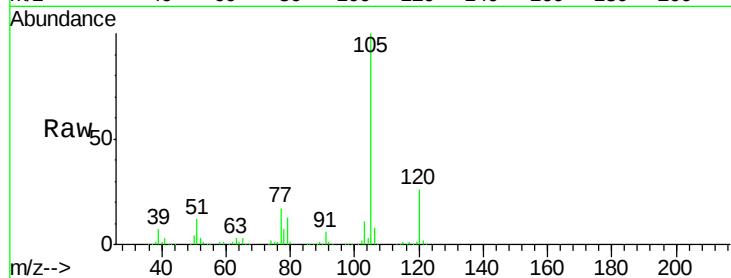
120 25.3 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 10.117 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

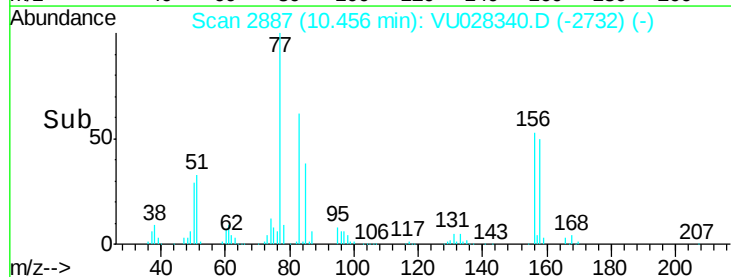
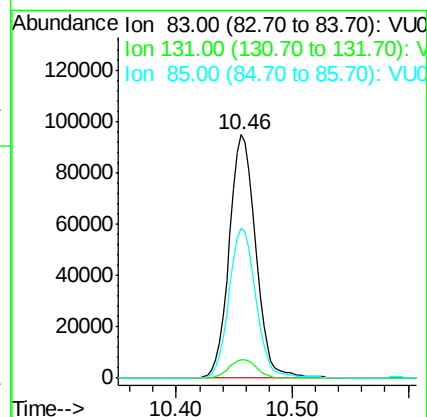
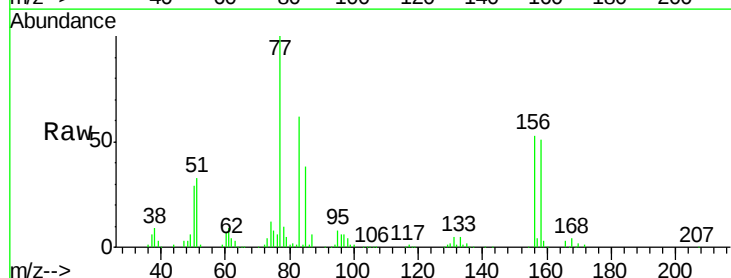
Tgt Ion: 83 Resp: 150671

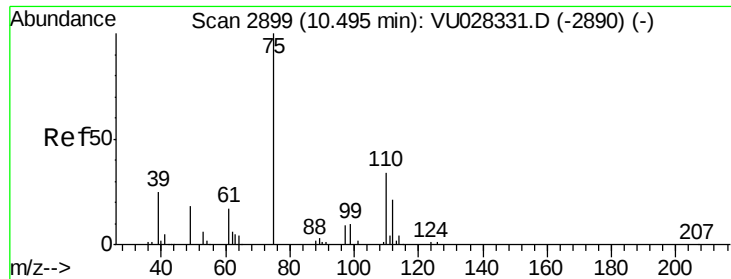
Ion Ratio Lower Upper

83 100

131 7.9 6.6 9.8

85 62.4 50.5 75.7





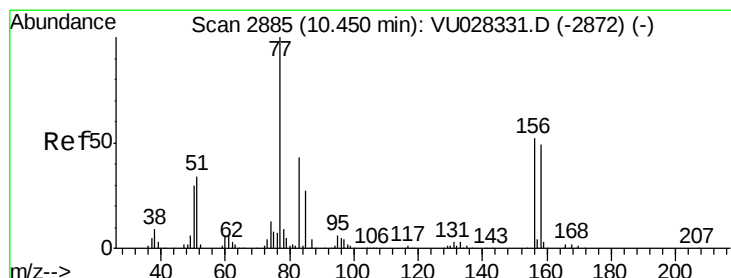
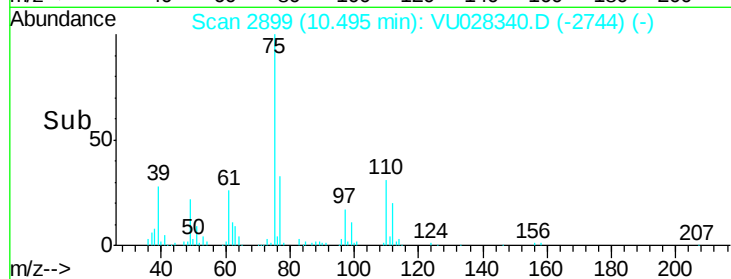
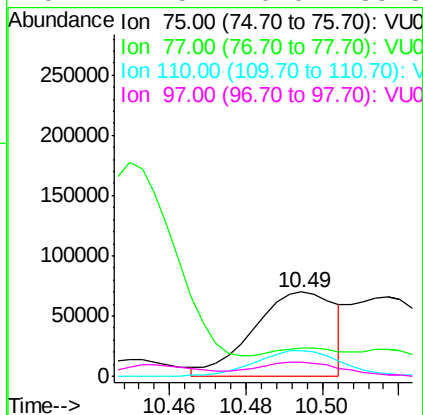
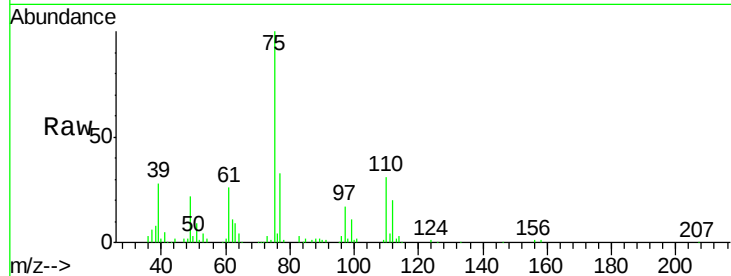
#71
 1,2,3-Trichloropropane
 Concen: 10.038 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	32.6	0.0	67.6
97	17.5	0.0	35.8

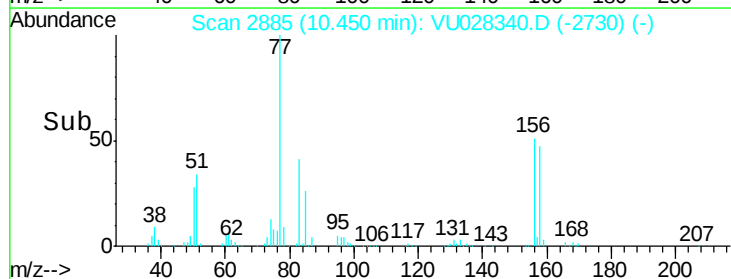
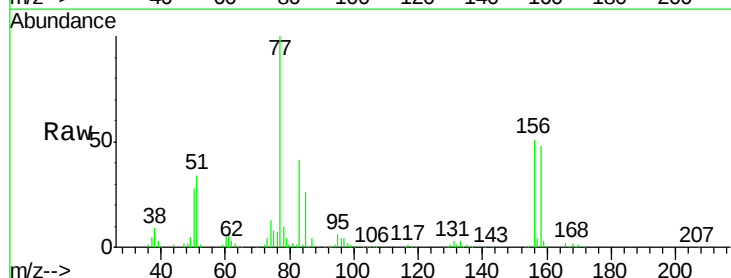
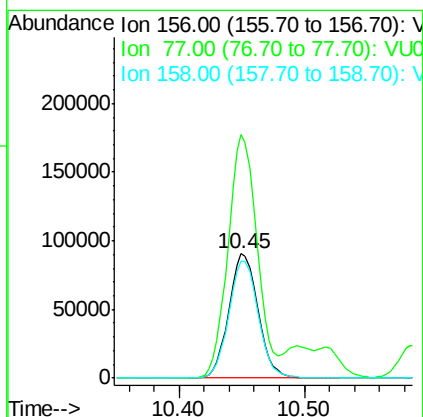
Manual Integrations
 APPROVED

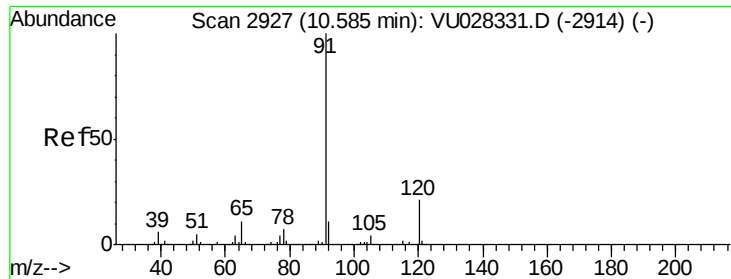
MMDadoda
 11/30/2018 2:33:44 PM



#72
 Bromobenzene
 Concen: 10.193 ug/l
 RT: 10.45 min Scan# 2885
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
156	100		
77	194.0	0.0	380.4
158	94.8	0.0	191.2





#73

n-propylbenzene

Concen: 10.539 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:120 Resp: 177565

Ion Ratio Lower Upper

120 100

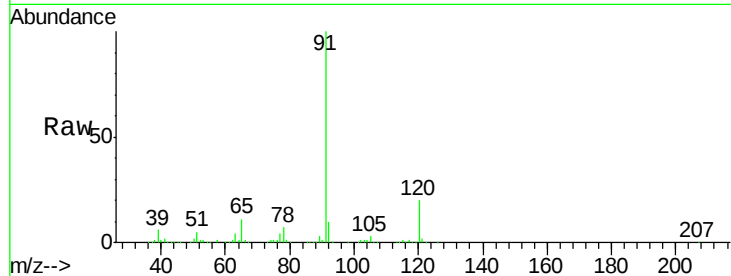
91 494.5 388.1 582.1

Manual Integrations

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

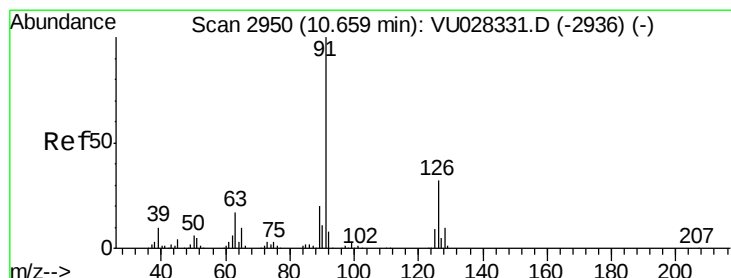
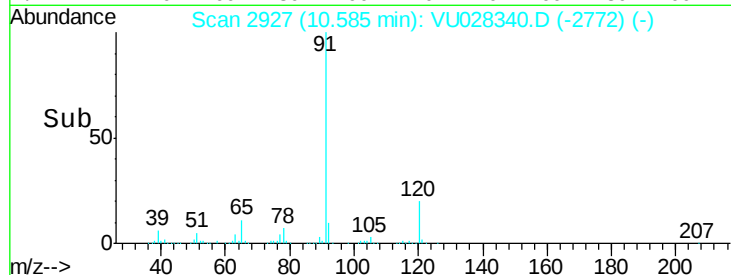
400000

200000

0

10.50 10.55 10.60 10.65

Time-->



#74

2-Chlorotoluene

Concen: 10.216 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028340.D

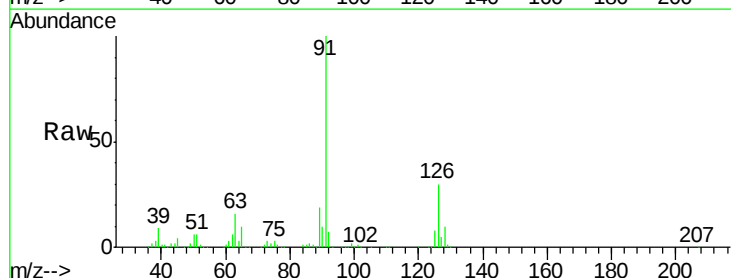
Acq: 26 Nov 2018 15:45

Tgt Ion:126 Resp: 150806

Ion Ratio Lower Upper

126 100

91 326.4 0.0 661.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

600000

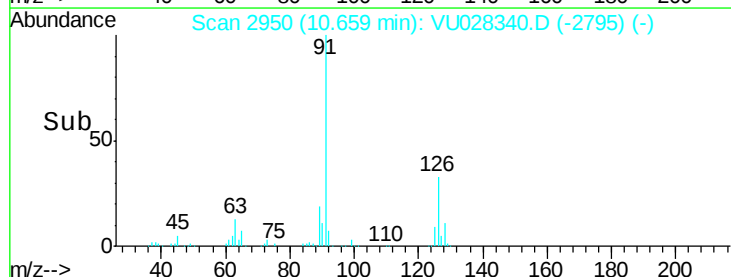
400000

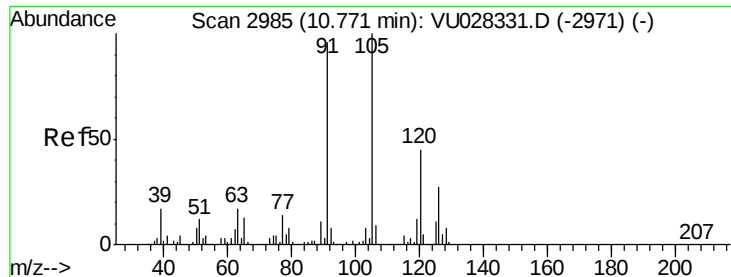
200000

0

10.60 10.65 10.70 10.75

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 10.461 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:105 Resp: 571888

Ion Ratio Lower Upper

105 100

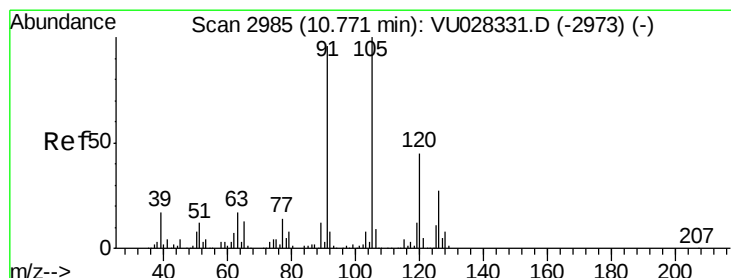
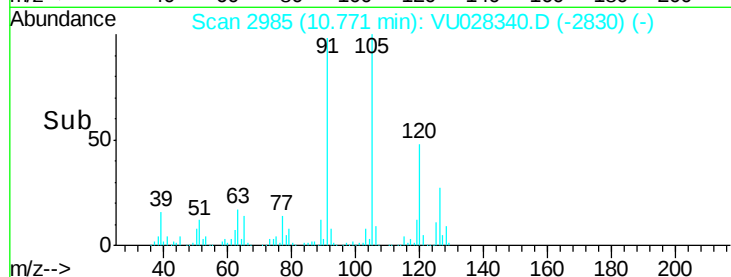
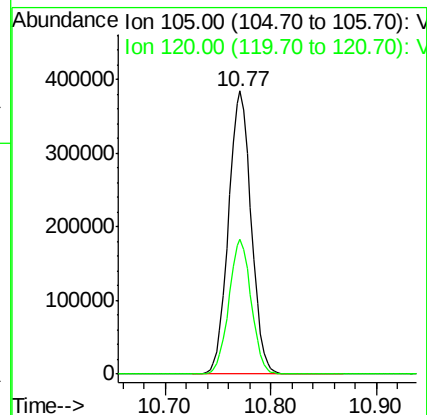
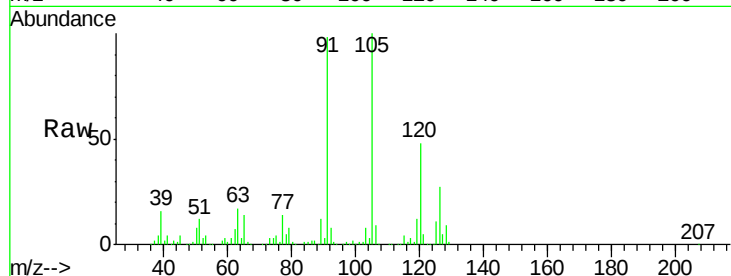
120 46.8 36.3 54.5

Manual Integrations

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#76

4-Chlorotoluene

Concen: 10.404 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028340.D

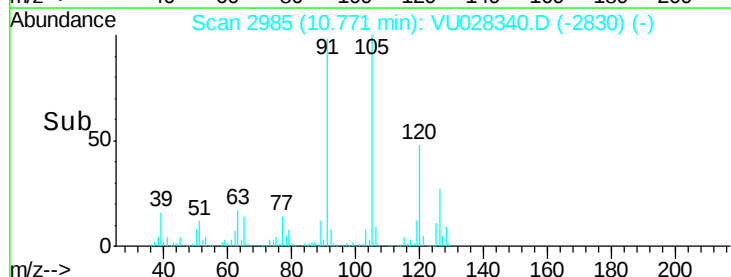
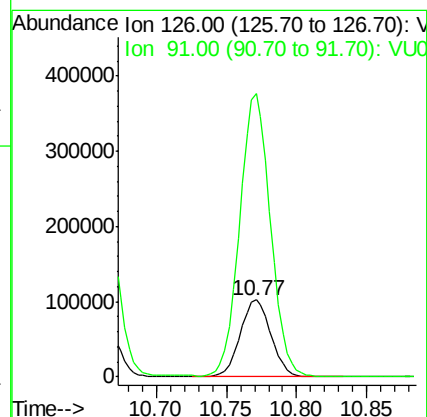
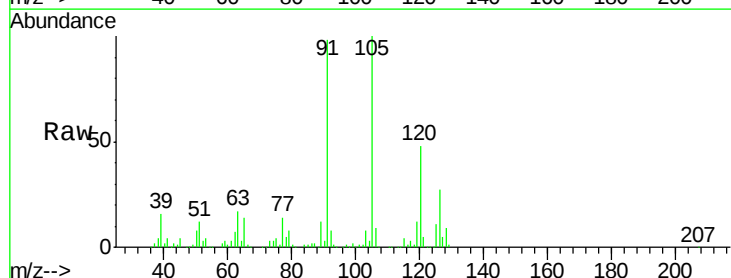
Acq: 26 Nov 2018 15:45

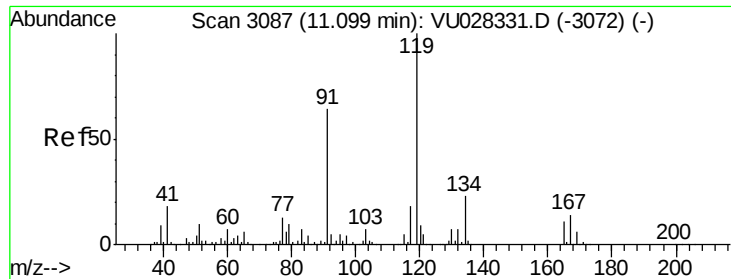
Tgt Ion:126 Resp: 155715

Ion Ratio Lower Upper

126 100

91 372.0 0.0 731.2





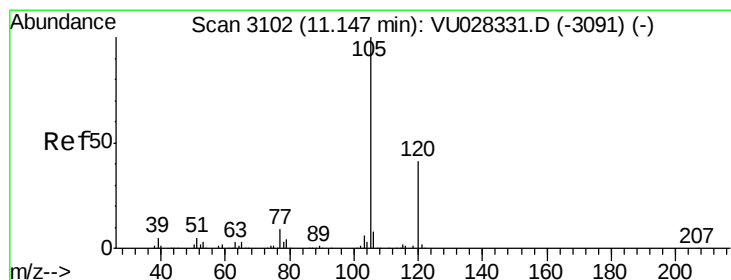
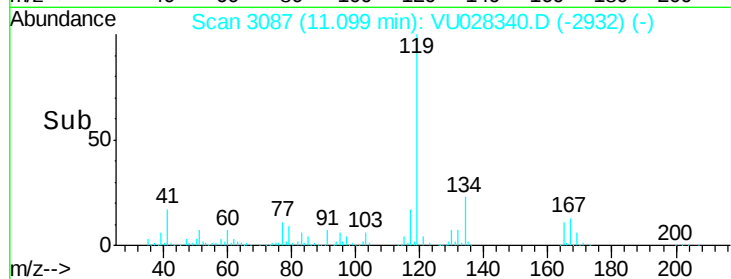
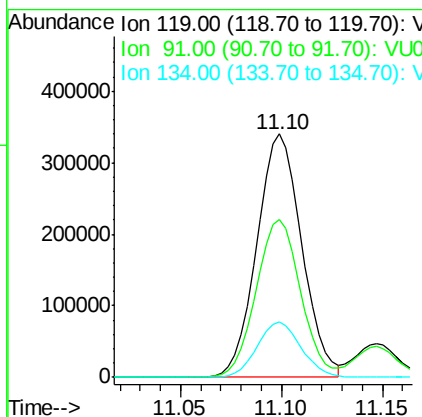
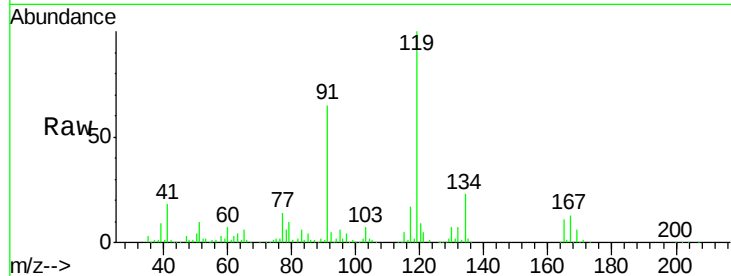
#77
 tert-Butylbenzene
 Concen: 10.277 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	528939		
91	64.3	32.0	96.0	
134	22.2	17.9	26.9	

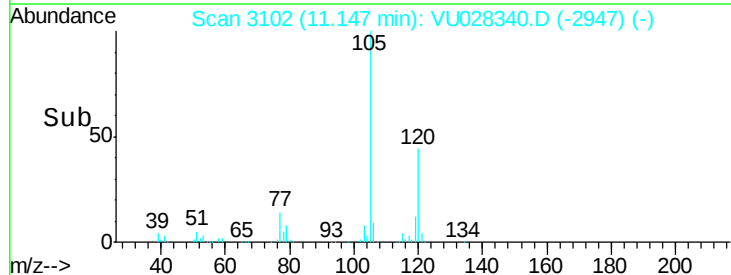
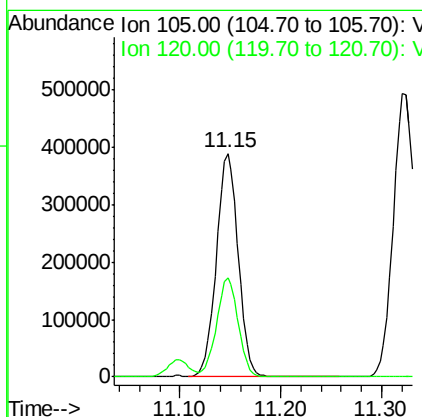
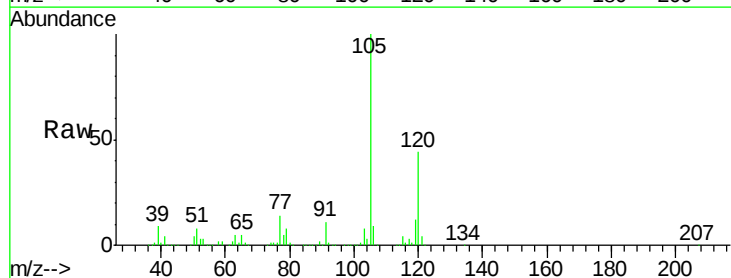
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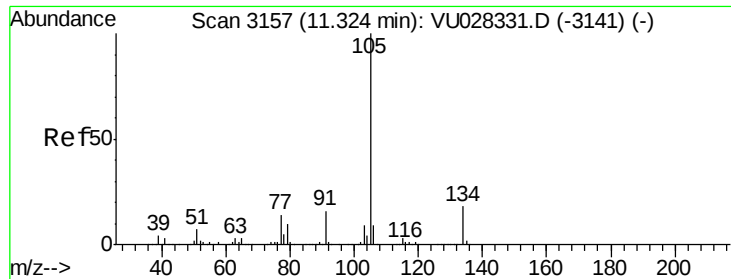
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#78
 1,2,4-Trimethylbenzene
 Concen: 10.502 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	588370		
120	43.8	21.9	65.8	





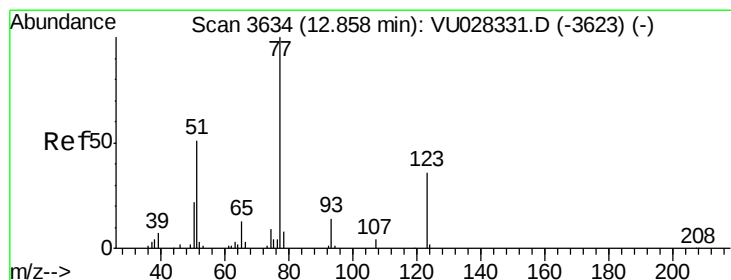
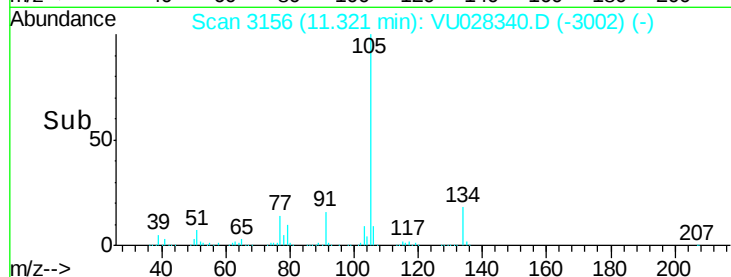
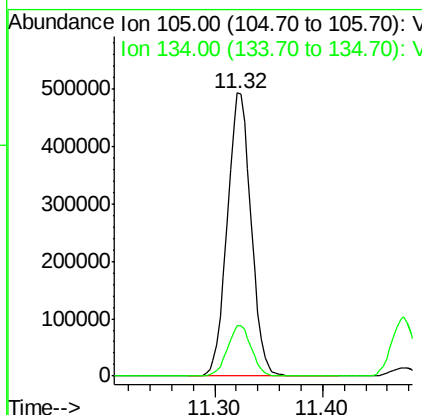
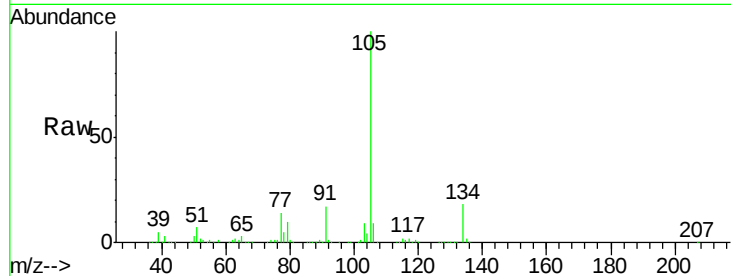
#79
 sec-Butylbenzene
 Concen: 10.571 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.9	14.6	22.0

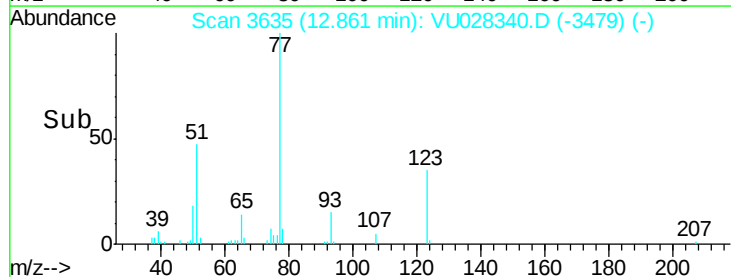
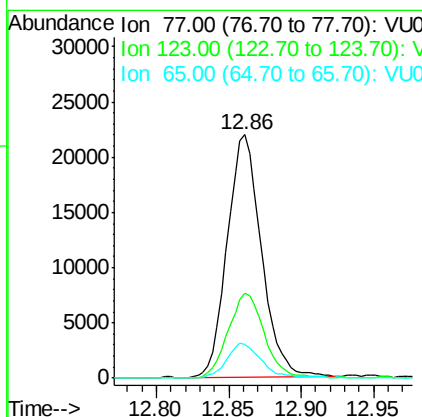
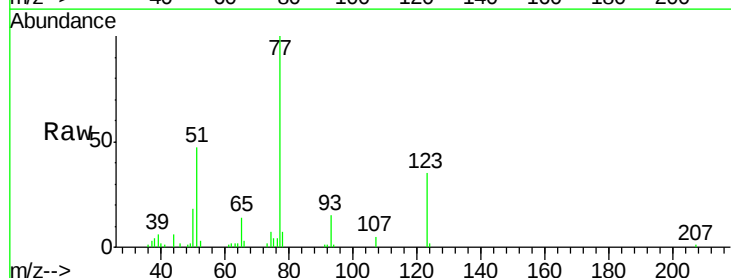
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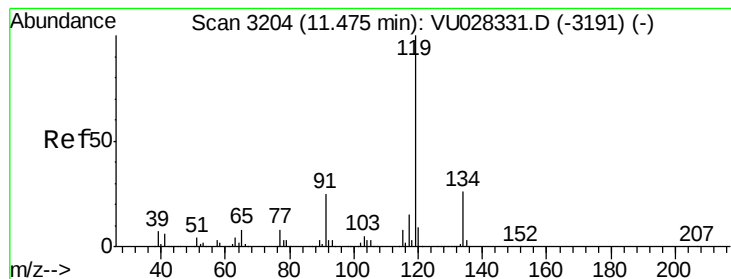
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#80
 Nitrobenzene
 Concen: 53.717 ug/l
 RT: 12.86 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Lower	Upper
77	100		
123	36.9	16.5	58.3
65	13.5	12.1	15.3





#81

p-Isopropyltoluene

Concen: 10.466 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion:119 Resp: 596768
Ion Ratio Lower Upper

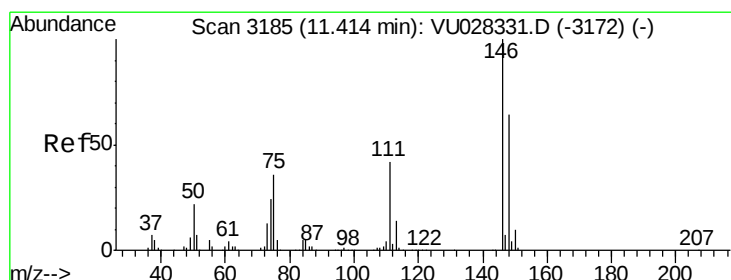
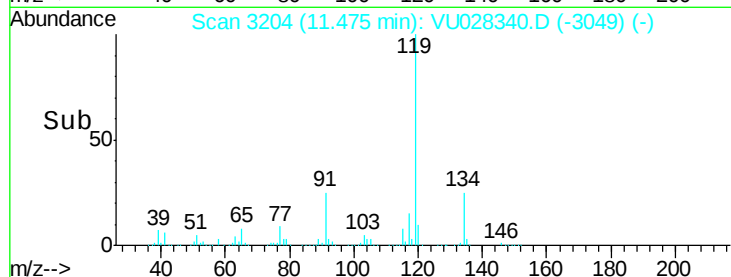
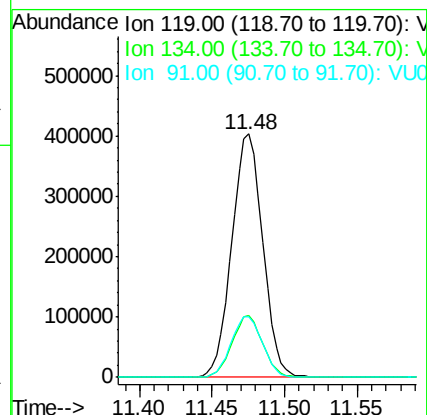
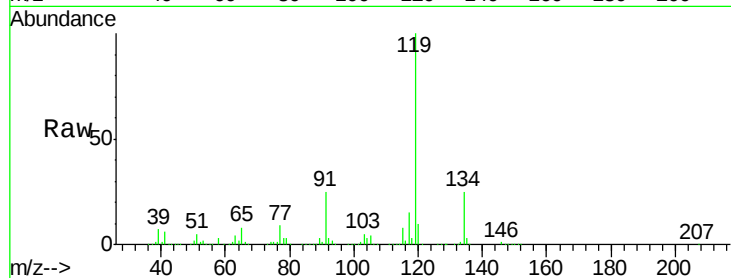
119 100

134 25.2 20.3 30.5

91 25.3 20.0 30.0

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#82

1,3-Dichlorobenzene

Concen: 10.283 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028340.D

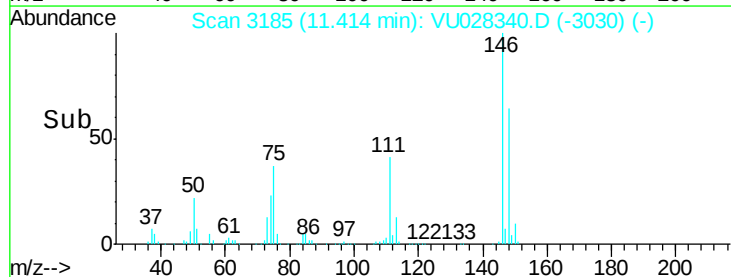
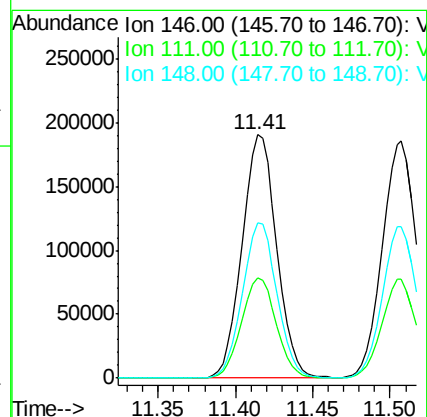
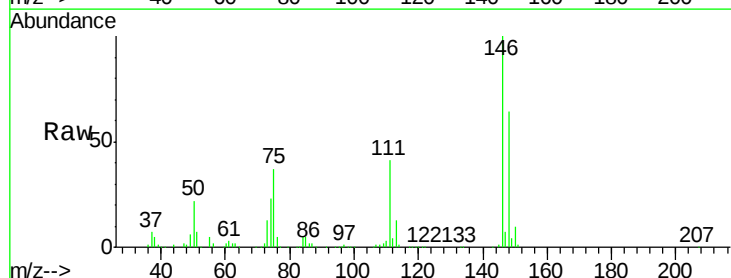
Acq: 26 Nov 2018 15:45

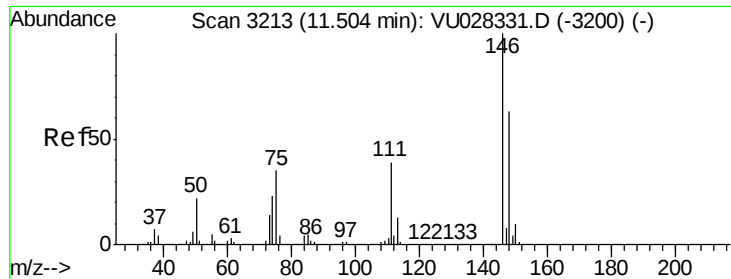
Tgt Ion:146 Resp: 296979
Ion Ratio Lower Upper

146 100

111 41.3 33.4 50.2

148 63.6 51.2 76.8





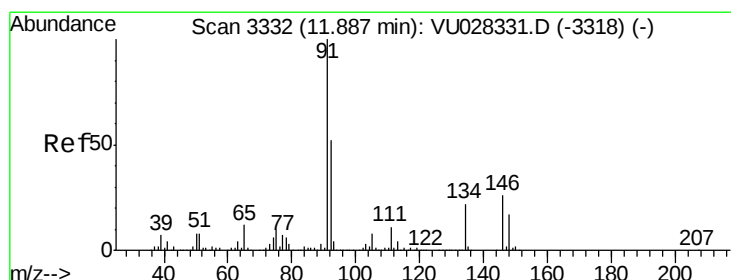
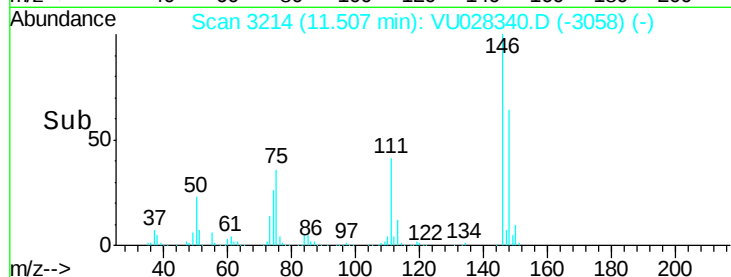
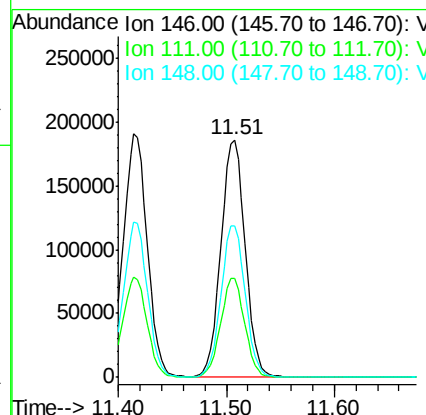
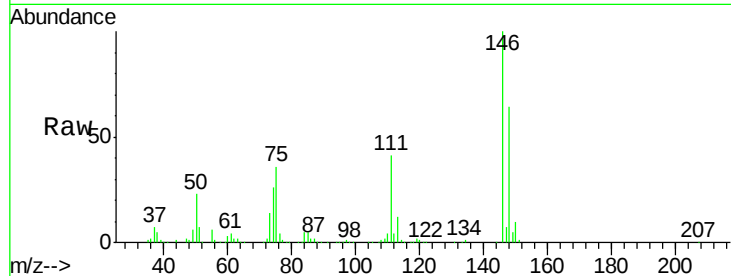
#83
1,4-Dichlorobenzene
Concen: 10.134 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291303		
111	40.9	31.4	47.2	
148	63.7	50.7	76.1	

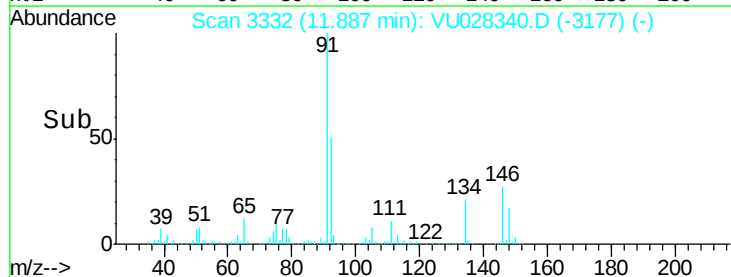
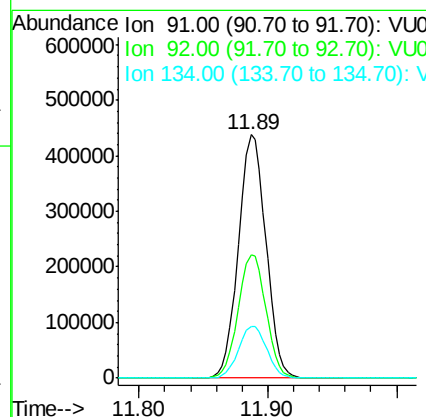
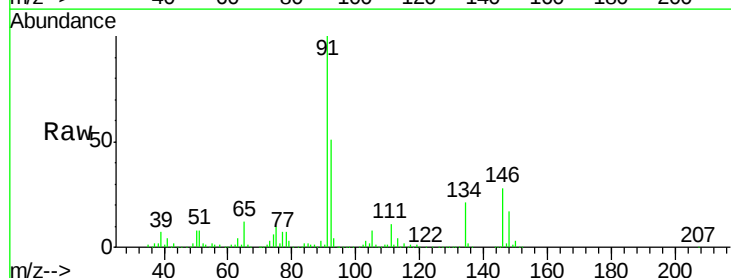
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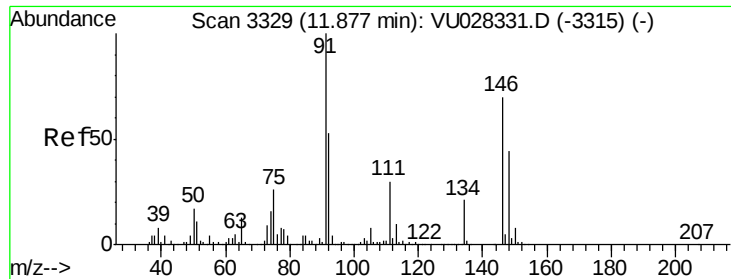
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#84
n-Butylbenzene
Concen: 10.849 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	649464		
92	51.2	41.6	62.4	
134	21.8	17.8	26.6	





#85

1,2-Dichlorobenzene

Concen: 10.083 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Instrument :

MSVOA_U

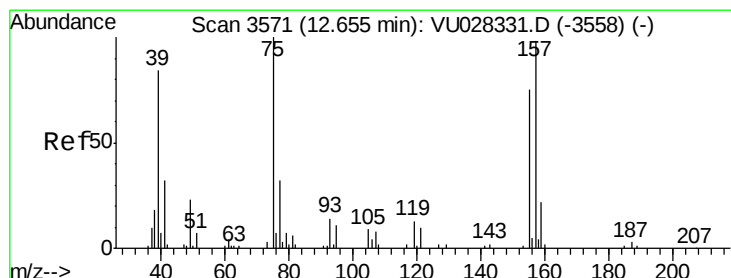
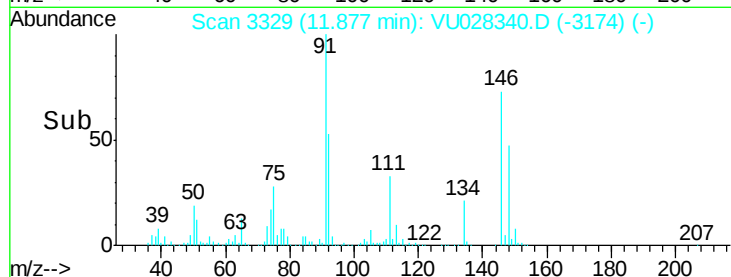
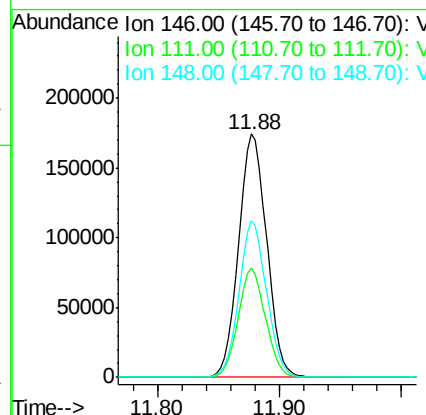
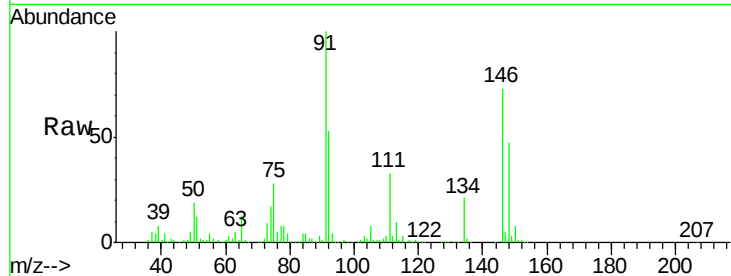
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	146	Resp:	277156
Ion Ratio	Lower	Upper	
146	100		
111	43.6	21.4	64.3
148	63.1	31.4	94.2

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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.340 ug/l

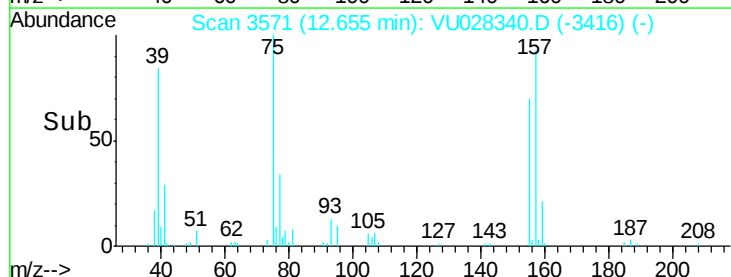
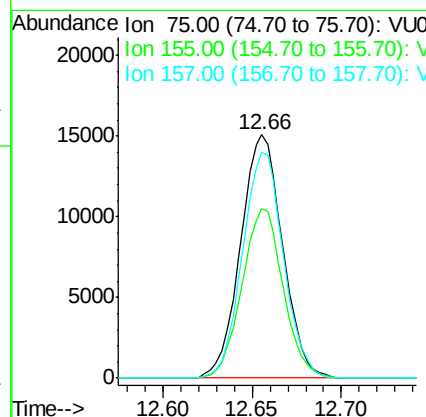
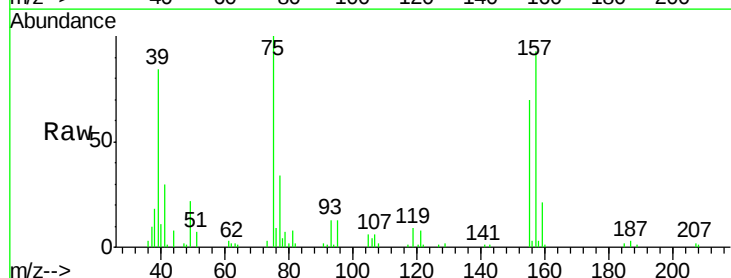
RT: 12.66 min Scan# 3571

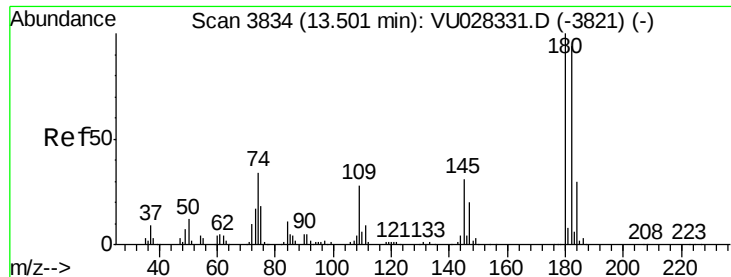
Delta R.T. -0.00 min

Lab File: VU028340.D

Acq: 26 Nov 2018 15:45

Tgt Ion:	75	Resp:	24772
Ion Ratio	Lower	Upper	
75	100		
155	68.4	57.0	85.4
157	90.5	75.4	113.2





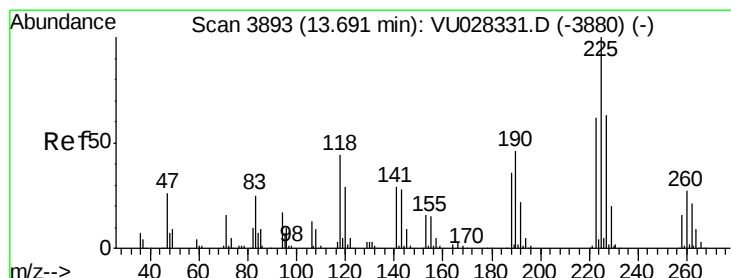
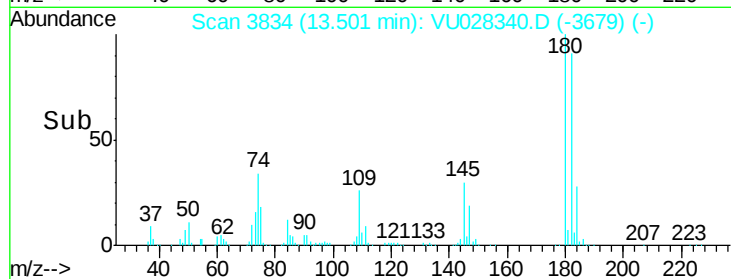
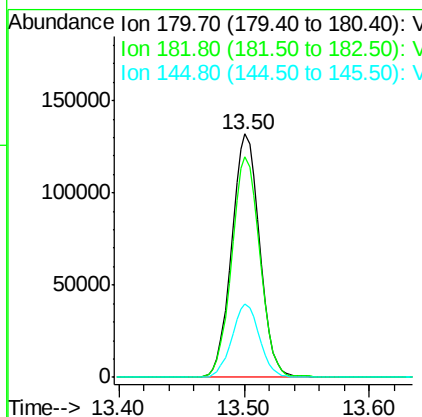
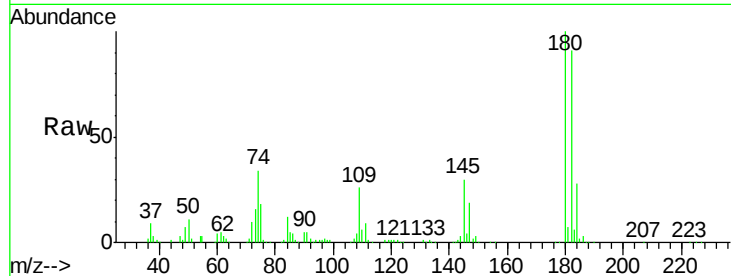
#87
 1,2,4-Trichlorobenzene
 Concen: 10.551 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	203883		
182	91.7	75.6	113.4	
145	29.8	24.4	36.6	

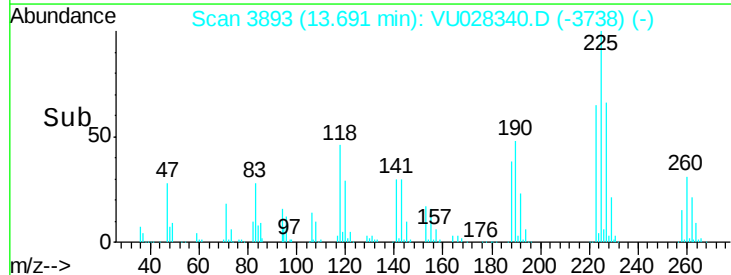
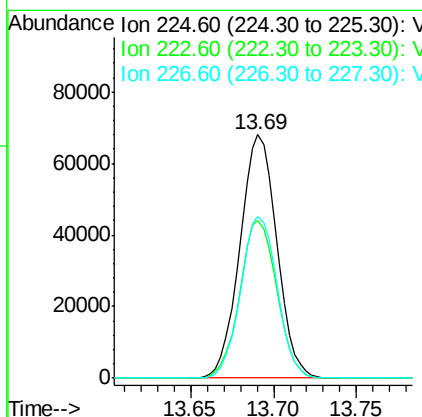
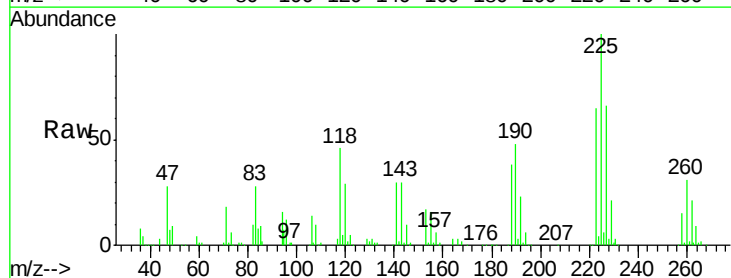
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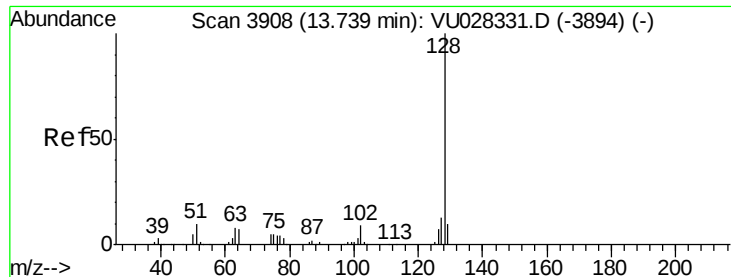
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#88
 Hexachlorobutadiene
 Concen: 10.057 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028340.D
 Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	105145		
223	65.0	50.6	76.0	
227	65.8	50.8	76.2	





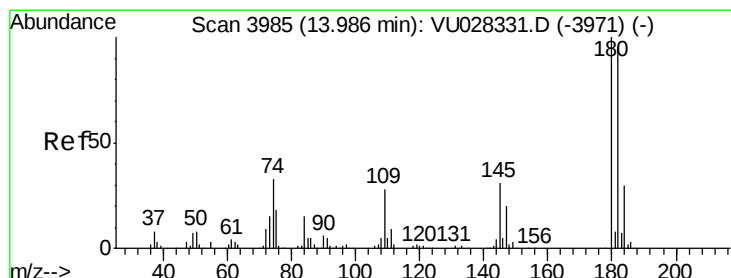
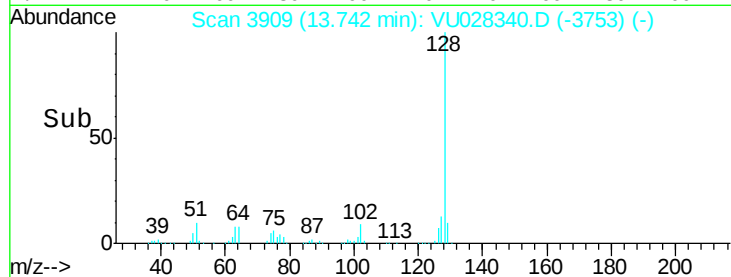
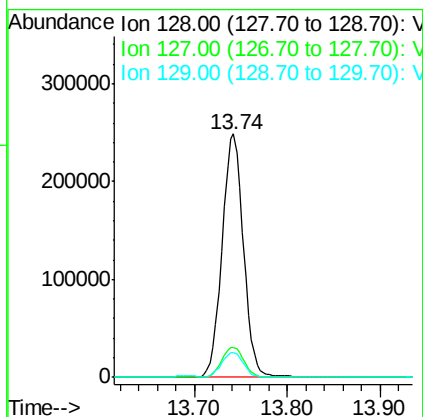
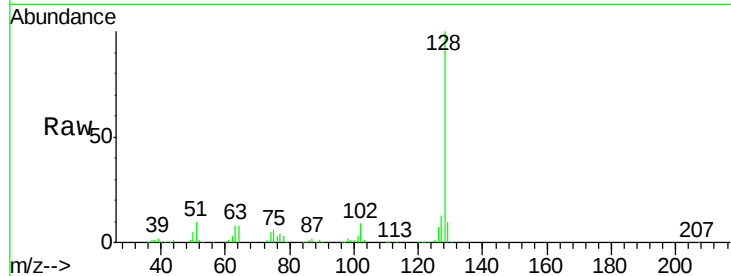
#89
Naphthalene
Concen: 10.424 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	398117		
127	12.8	10.3	15.5	
129	10.3	8.2	12.4	

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#90
1,2,3-Trichlorobenzene
Concen: 10.153 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028340.D
Acq: 26 Nov 2018 15:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	184994		
182	95.2	76.1	114.1	
145	31.3	26.0	39.0	

