

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U111218\
 Data File : VU028079.D
 Acq On : 12 Nov 2018 20:58
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:12:56 PM

Quant Time: Nov 13 04:06:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	159690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275769	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	129601	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	137088	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	
35) Dibromofluoromethane	4.88	113	98758	56.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.60%	
50) Toluene-d8	7.57	98	386682	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	
62) 4-Bromofluorobenzene	10.31	95	146801	59.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	81622	40.225	ug/l	97
3) Chloromethane	1.33	50	128210	52.244	ug/l	100
4) Vinyl Chloride	1.40	62	120793	49.593	ug/l	98
5) Bromomethane	1.60	94	75870	70.172	ug/l	99
6) Chloroethane	1.68	64	73258	52.192	ug/l	97
7) Trichlorofluoromethane	1.88	101	145897	51.837	ug/l	96
8) Diethyl Ether	2.10	74	65792	54.593	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	87695	52.449	ug/l	98
10) Methyl Iodide	2.41	142	94766	59.896	ug/l	100
11) Tert butyl alcohol	2.84	59	175745	279.614	ug/l	100
12) 1,1-Dichloroethene	2.28	96	81577	48.743	ug/l	98
13) Acrolein	2.20	56	39501	168.642	ug/l	99
14) Allyl chloride	2.59	41	205449	50.227	ug/l	99
15) Acrylonitrile	2.94	53	424827	275.161	ug/l	99
16) Acetone	2.32	43	376581	255.649	ug/l	99
17) Carbon Disulfide	2.48	76	254513	46.525	ug/l	100
18) Methyl Acetate	2.62	43	231332	57.089	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	356430	52.810	ug/l	97
20) Methylene Chloride	2.70	84	111800	51.982	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	94150	48.746	ug/l	95
22) Diisopropyl ether	3.58	45	458177	54.255	ug/l	98
23) Vinyl Acetate	3.52	43	1973178	271.872	ug/l	99
24) 1,1-Dichloroethane	3.45	63	217282	51.656	ug/l	100
25) 2-Butanone	4.26	43	633363	270.268	ug/l	100
26) 2,2-Dichloropropane	4.23	77	162404	51.448	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	113910	52.592	ug/l	98
28) Bromochloromethane	4.55	49	113821	57.720	ug/l	97
29) Tetrahydrofuran	4.64	42	413595	264.307	ug/l	100
30) Chloroform	4.68	83	199757	51.793	ug/l	100
31) Cyclohexane	5.00	56	208678	50.573	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	163892	53.383	ug/l	99
36) 1,1-Dichloropropene	5.14	75	148150	51.295	ug/l	98
37) Ethyl Acetate	4.38	43	227288	53.708	ug/l	100
38) Carbon Tetrachloride	5.14	117	133994	52.350	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	181441	52.085	ug/l	99
40) Benzene	5.39	78	465766	52.746	ug/l	99
41) Methacrylonitrile	4.54	41	127351	56.389	ug/l	99
42) 1,2-Dichloroethane	5.41	62	165548	52.742	ug/l	98
43) Isopropyl Acetate	5.55	43	358861	54.126	ug/l	100
44) Trichloroethene	6.19	130	99999	52.683	ug/l	95
45) 1,2-Dichloropropane	6.43	63	137052	53.817	ug/l	99
46) Dibromomethane	6.56	93	79311	54.181	ug/l	95
47) Bromodichloromethane	6.76	83	155838	55.243	ug/l	98
48) Methyl methacrylate	6.62	41	183204	56.387	ug/l	98
49) 1,4-Dioxane	6.61	88	68332	1289.083	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1224811	276.618	ug/l	99
52) Toluene	7.64	92	273096	52.606	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	178186	50.915	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	194389	55.898	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	115290	54.586	ug/l	98
56) Ethyl methacrylate	8.02	69	207662	55.754	ug/l	98
57) 1,3-Dichloropropane	8.24	76	208069	54.081	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	559988	280.722	ug/l	98
59) 2-Hexanone	8.36	43	962503	281.055	ug/l	100
60) Dibromochloromethane	8.48	129	111238	55.658	ug/l	98
61) 1,2-Dibromoethane	8.59	107	122251	54.474	ug/l	99
64) Tetrachloroethene	8.23	164	87446	51.908	ug/l	97
65) Chlorobenzene	9.12	112	286008	52.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	100949	53.844	ug/l	99
67) Ethyl Benzene	9.25	91	537153	53.166	ug/l	100
68) m/p-Xylenes	9.38	106	392738	107.132	ug/l	99
69) o-Xylene	9.78	106	196914	53.194	ug/l	99
70) Styrene	9.79	104	322514	54.526	ug/l	99
71) Bromoform	9.96	173	85754	54.577	ug/l #	100
73) Isopropylbenzene	10.17	105	522927	52.084	ug/l	100
74) N-amyl acetate	10.01	43	339082	55.852	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	216311	53.412	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	181493m	51.197	ug/l	
77) Bromobenzene	10.45	156	121779	52.897	ug/l	98
78) n-propylbenzene	10.59	91	640441	53.291	ug/l	100
79) 2-Chlorotoluene	10.66	91	378093	52.487	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	440518	52.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	71941m	50.666	ug/l	
82) 4-Chlorotoluene	10.77	91	431017	52.704	ug/l	99
83) tert-Butylbenzene	11.10	119	426567	51.303	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	453953	54.204	ug/l	100
85) sec-Butylbenzene	11.32	105	541037	53.505	ug/l	100
86) p-Isopropyltoluene	11.48	119	453941	53.699	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	220220	51.782	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	220753	50.643	ug/l	100
89) n-Butylbenzene	11.89	91	426057	53.033	ug/l	100
90) Hexachloroethane	12.15	117	81816	54.362	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	228307	53.383	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	48387	56.702	ug/l	96

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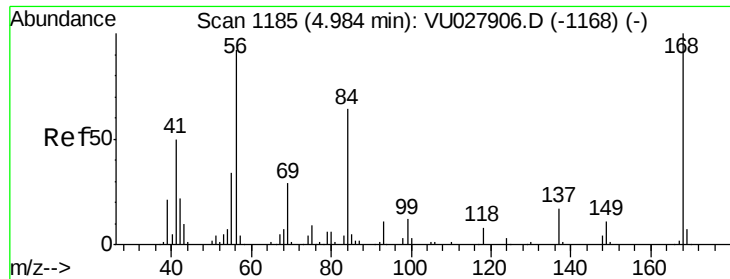
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	140832	46.996	ug/l	99
94) Hexachlorobutadiene	13.69	225	68729	50.564	ug/l	99
95) Naphthalene	13.74	128	524913	49.374	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	146965	51.211	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 159690

Ion Ratio Lower Upper

168 100

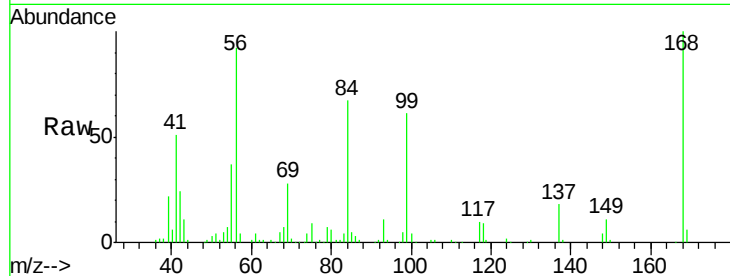
99 60.5 47.9 71.9

Manual Integrations

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11/13/2018 12:12:56 PM



Abundance Ion 167.90 (167.60 to 168.60): VU028079.D (-1092) (-)

Ion 98.90 (98.60 to 99.60): VU028079.D (-1092) (-)

4.98

80000

60000

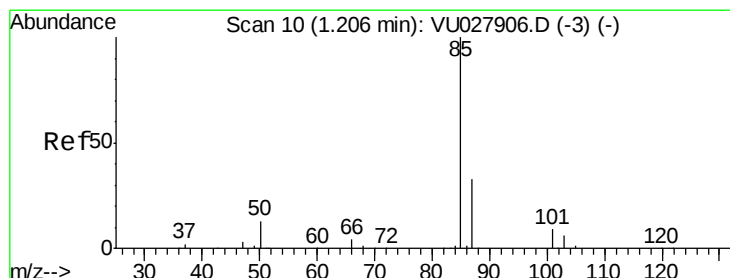
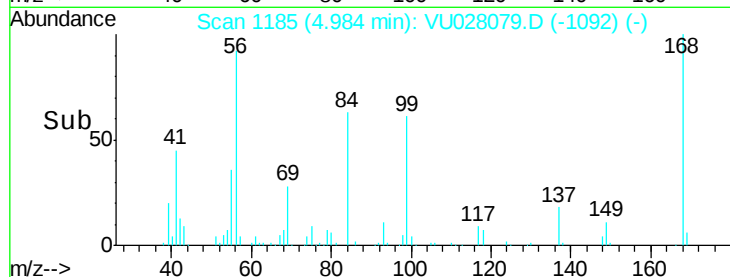
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.225 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028079.D

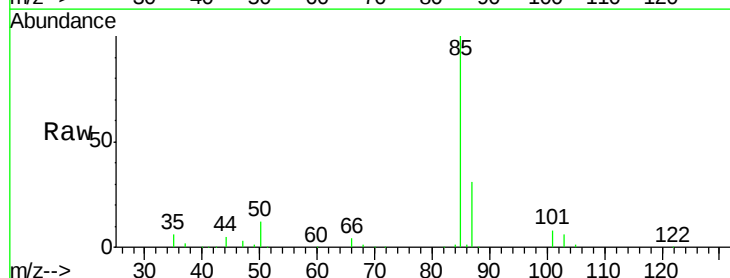
Acq: 12 Nov 2018 20:58

Tgt Ion: 85 Resp: 81622

Ion Ratio Lower Upper

85 100

87 31.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU028079.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU028079.D (-1) (-)

1.21

80000

60000

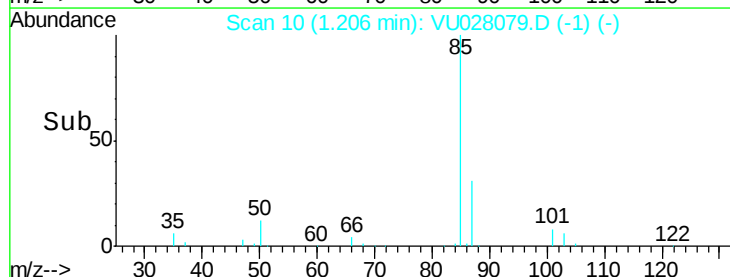
40000

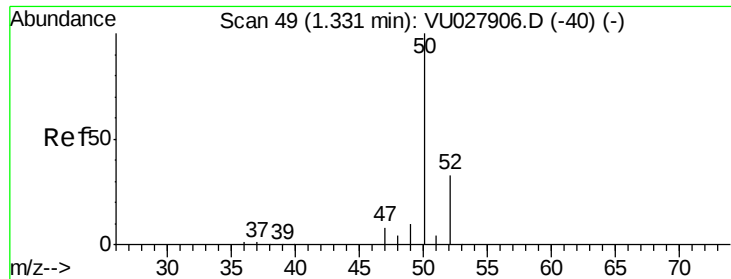
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 52.244 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 128210

Ion Ratio Lower Upper

50 100

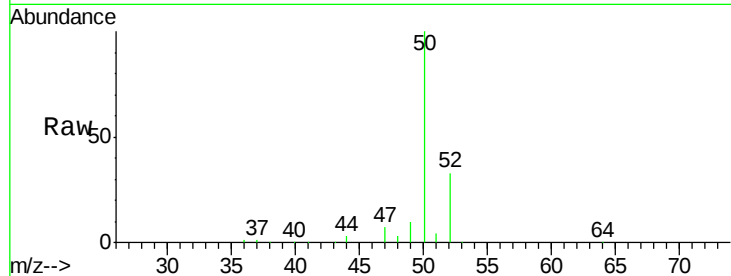
52 32.8 26.2 39.4

Manual Integrations

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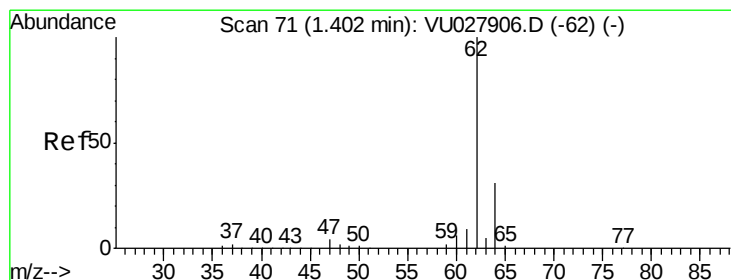
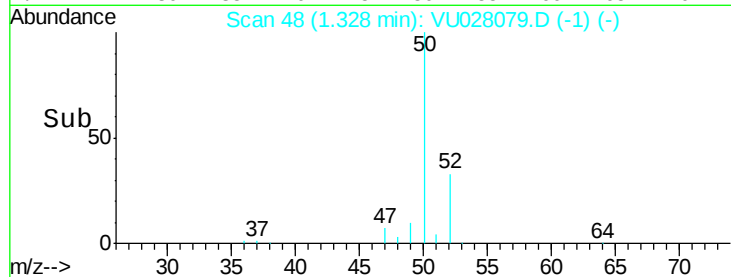
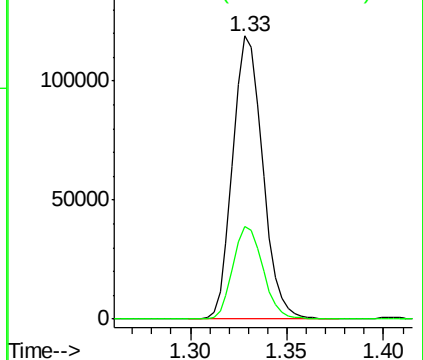
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 49.593 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028079.D

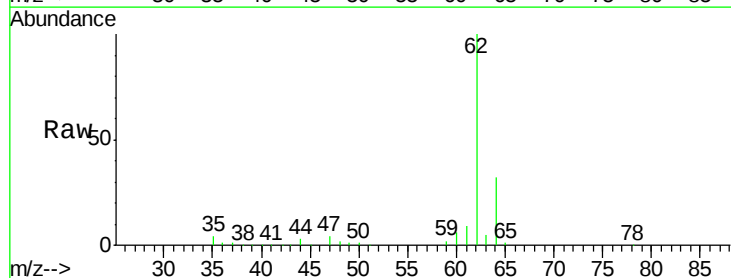
Acq: 12 Nov 2018 20:58

Tgt Ion: 62 Resp: 120793

Ion Ratio Lower Upper

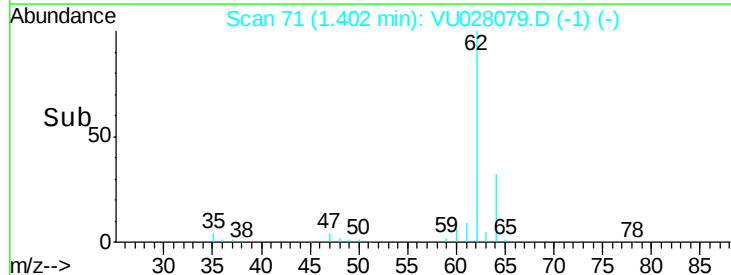
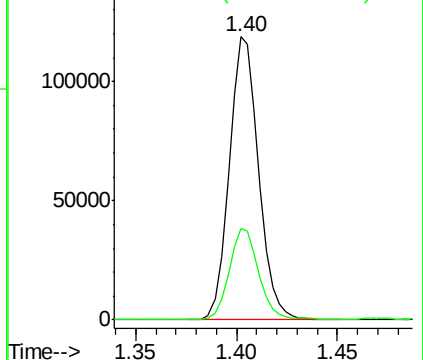
62 100

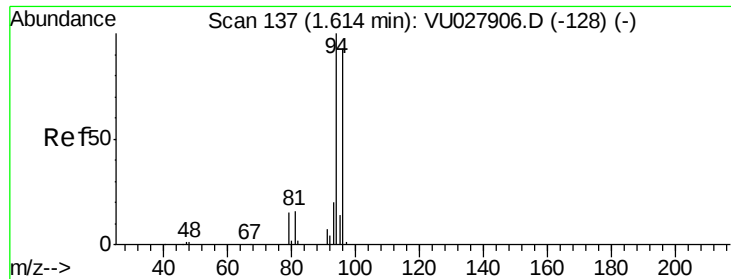
64 32.4 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 70.172 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.01 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 75870

Ion Ratio Lower Upper

94 100

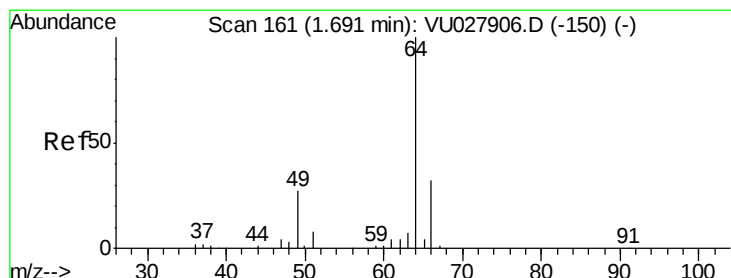
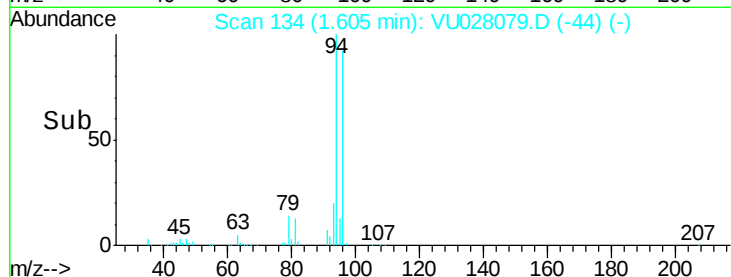
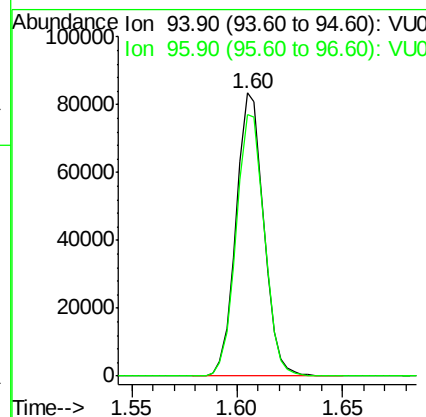
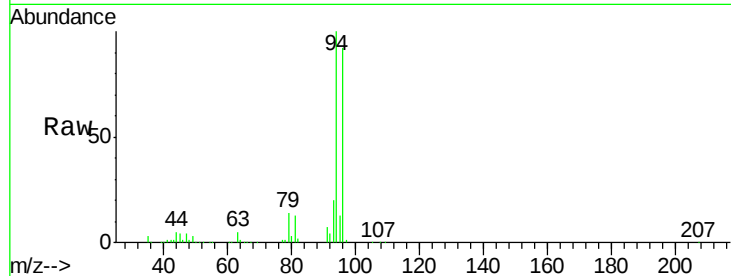
96 92.5 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 52.192 ug/l

RT: 1.68 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU028079.D

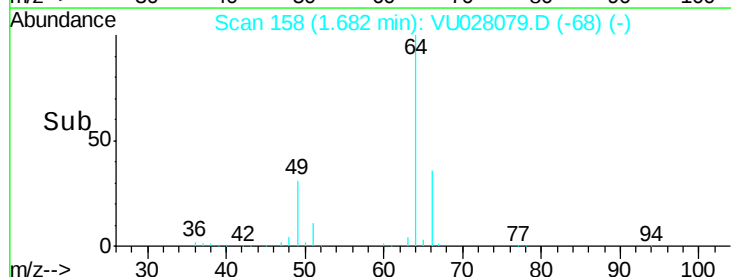
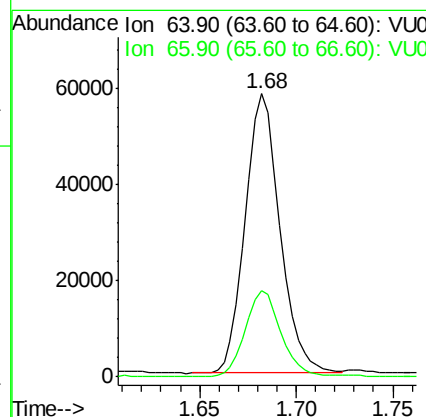
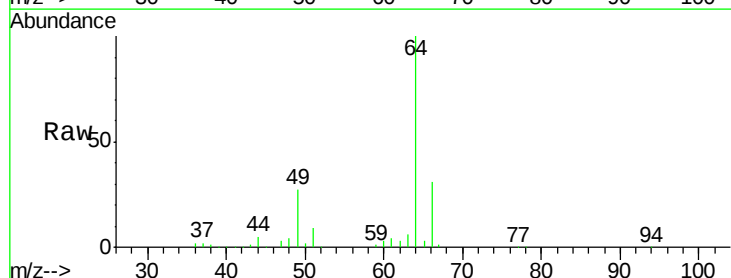
Acq: 12 Nov 2018 20:58

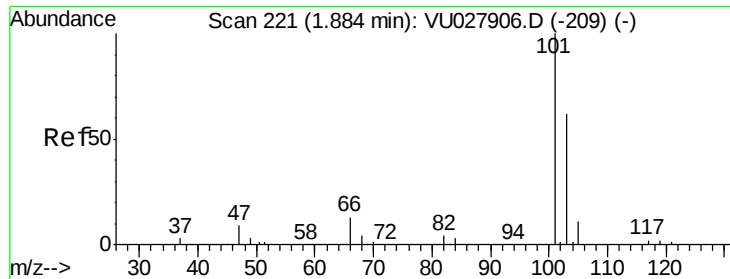
Tgt Ion: 64 Resp: 73258

Ion Ratio Lower Upper

64 100

66 31.0 25.9 38.9





#7

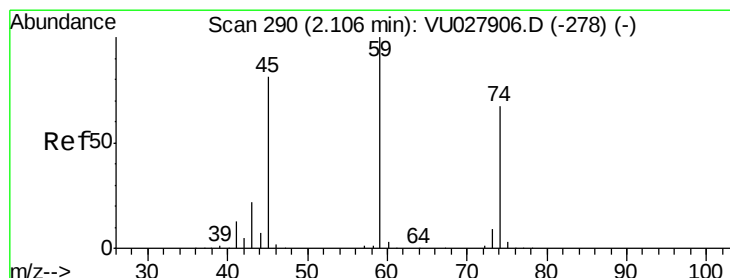
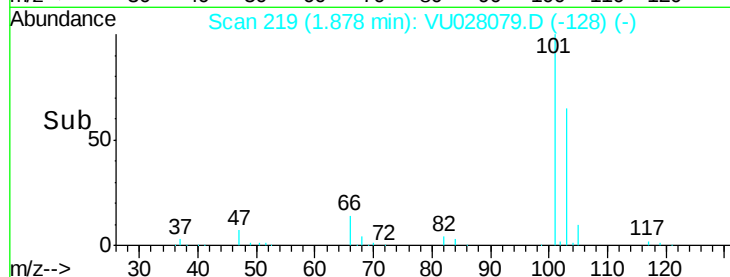
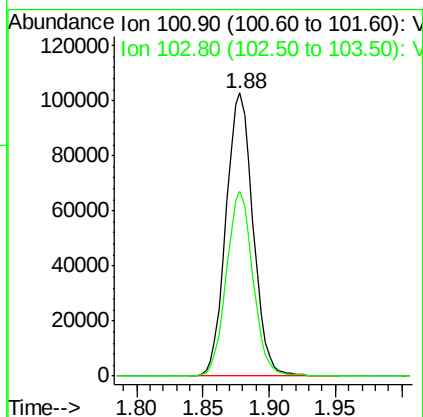
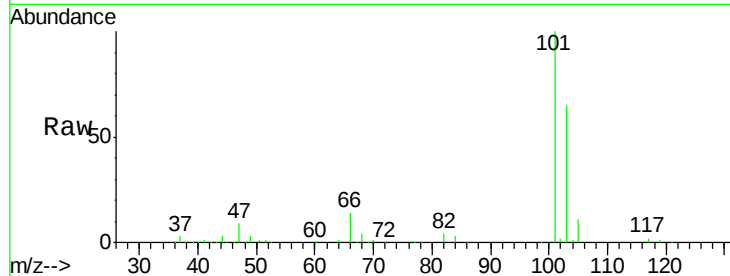
Trichlorofluoromethane
Concen: 51.837 ug/l
RT: 1.88 min Scan# 219
Delta R.T. -0.01 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 145897
Ion Ratio Lower Upper
101 100
103 65.2 49.4 74.2

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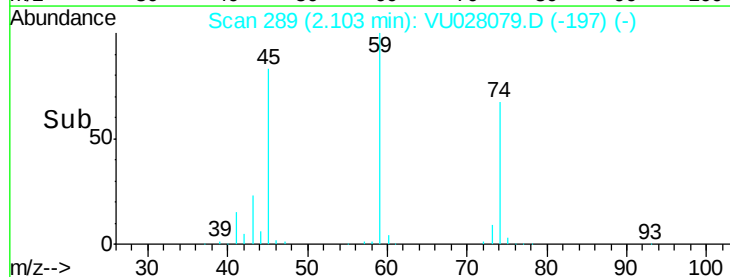
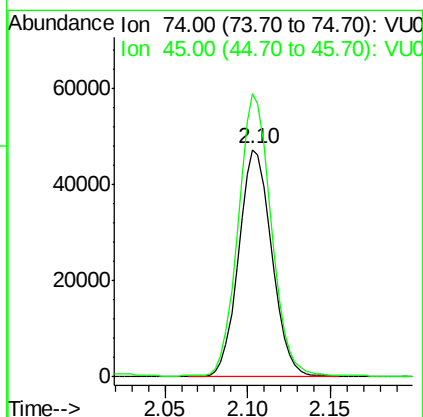
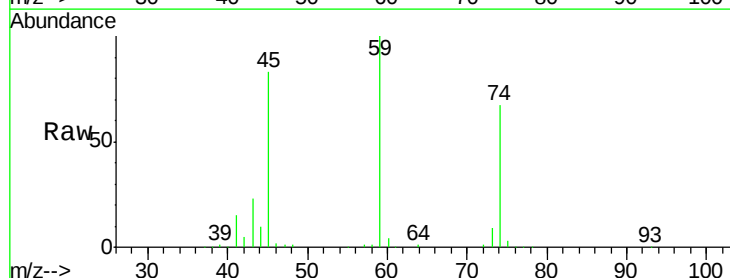
MMDadoda
11/13/2018 12:12:56 PM

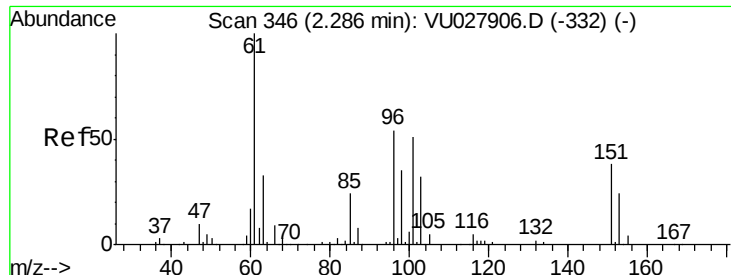


#8

Diethyl Ether
Concen: 54.593 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 74 Resp: 65792
Ion Ratio Lower Upper
74 100
45 123.0 60.5 181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.449 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

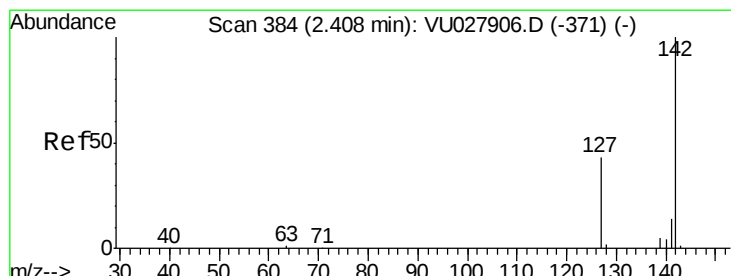
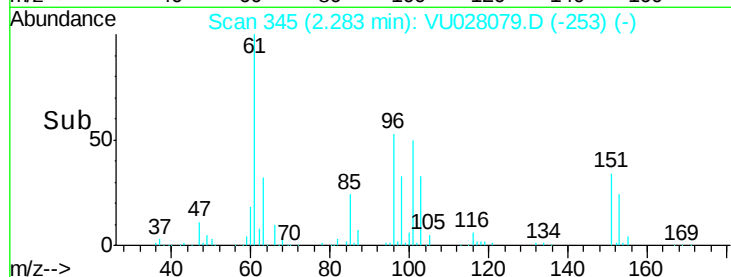
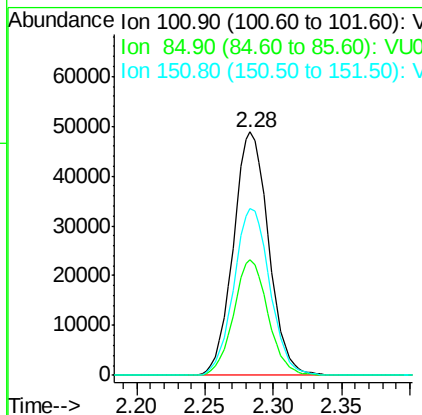
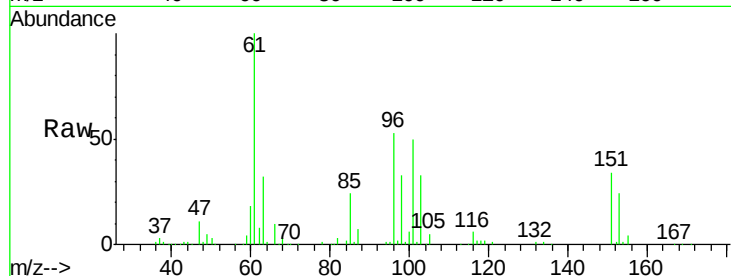
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	87695
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.9	55.3
151	70.0	58.0	87.0

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#10

Methyl Iodide

Concen: 59.896 ug/l

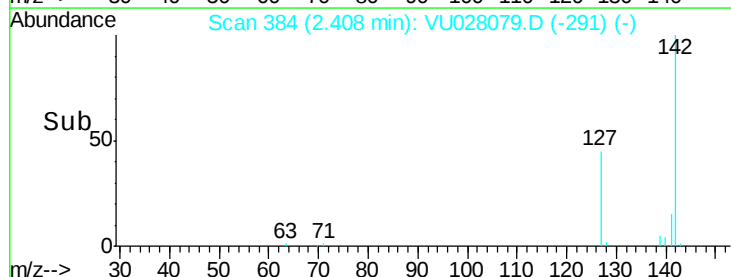
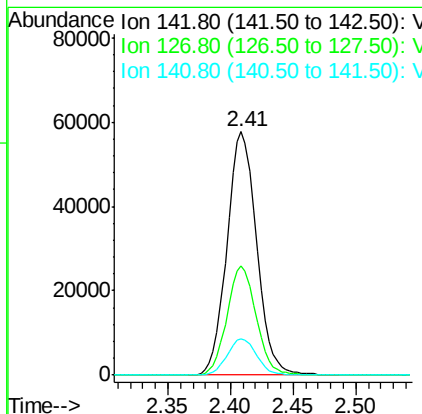
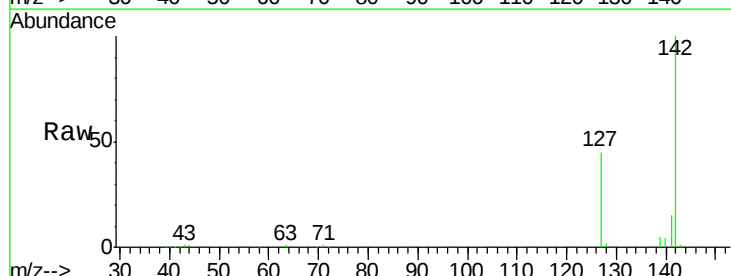
RT: 2.41 min Scan# 384

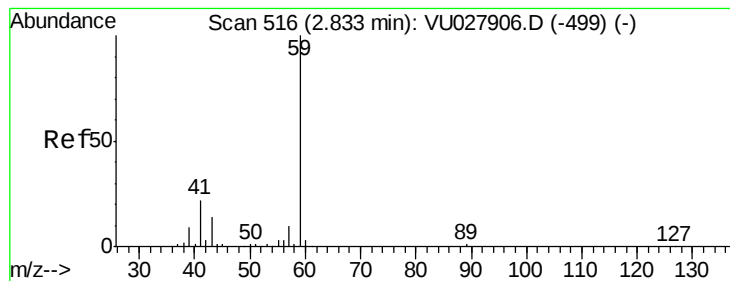
Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion:	142	Resp:	94766
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.2	52.8
141	14.8	11.8	17.8





#11

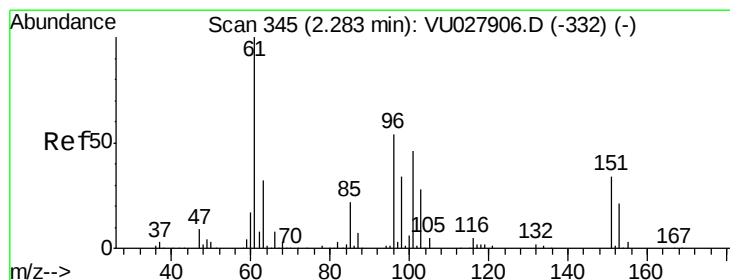
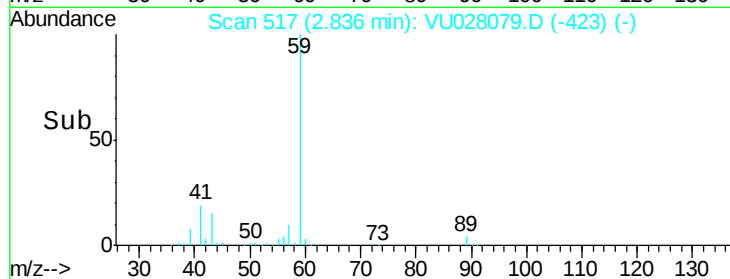
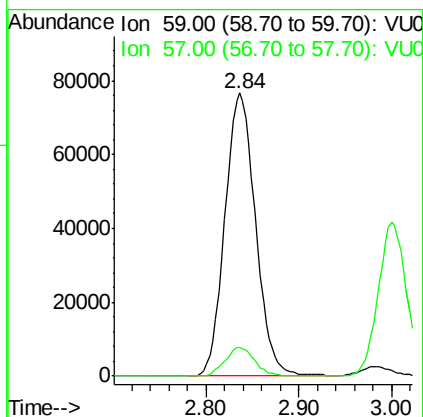
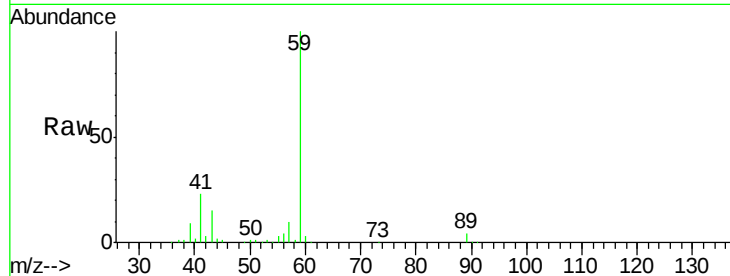
Tert butyl alcohol
Concen: 279.614 ug/l
RT: 2.84 min Scan# 517
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.8	11.8

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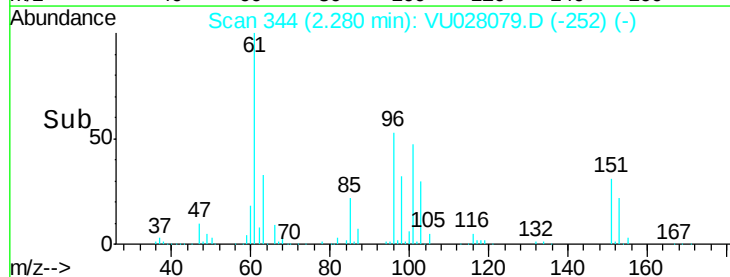
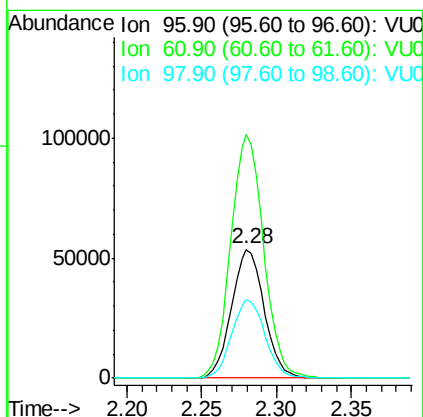
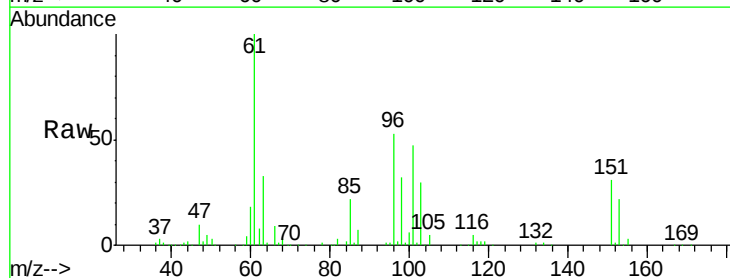
MMDadoda
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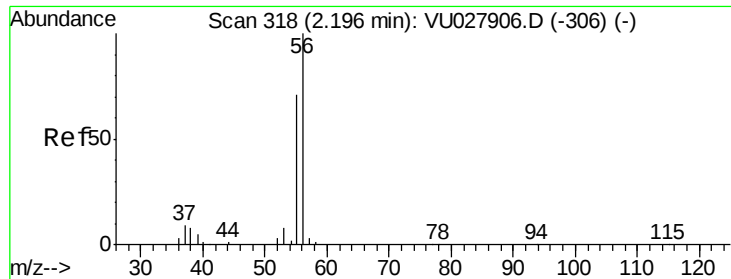


#12

1,1-Dichloroethene
Concen: 48.743 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.3	149.3	223.9
98	60.6	50.6	75.8





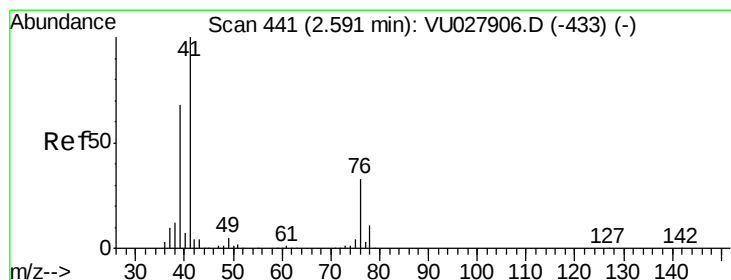
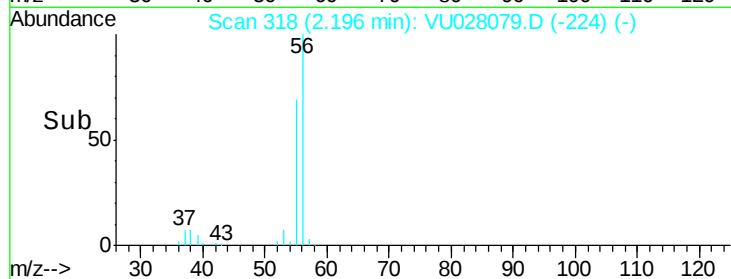
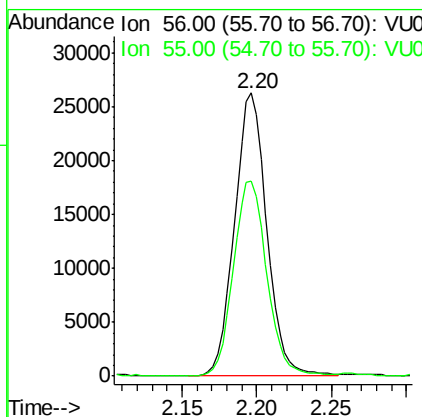
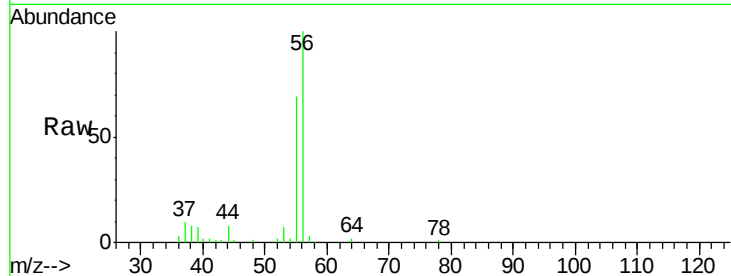
#13
Acrolein
Concen: 168.642 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.4	56.2	84.4

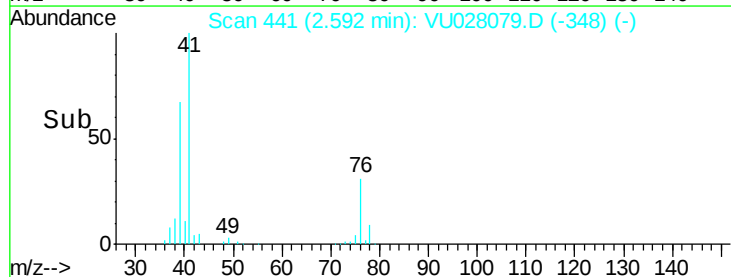
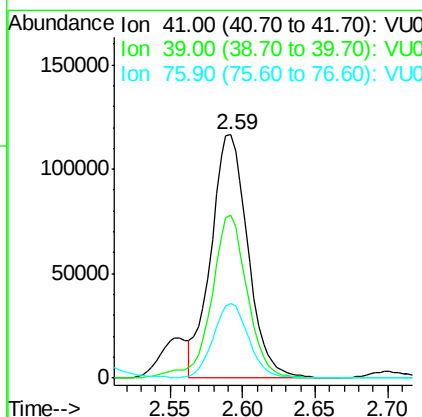
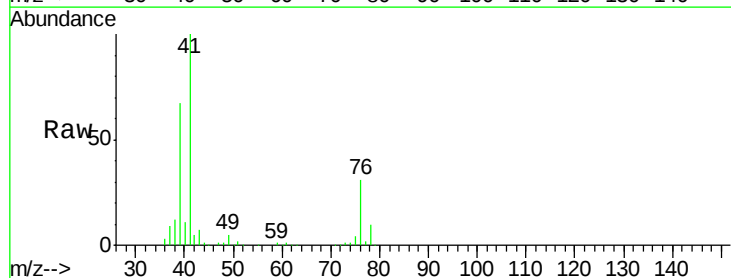
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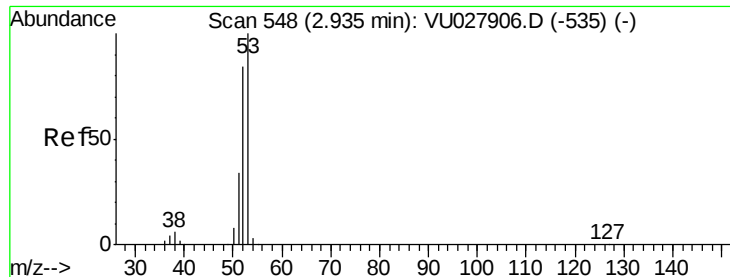
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#14
Allyl chloride
Concen: 50.227 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	51.9	77.9
76	29.6	23.8	35.6





#15

Acrylonitrile

Concen: 275.161 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

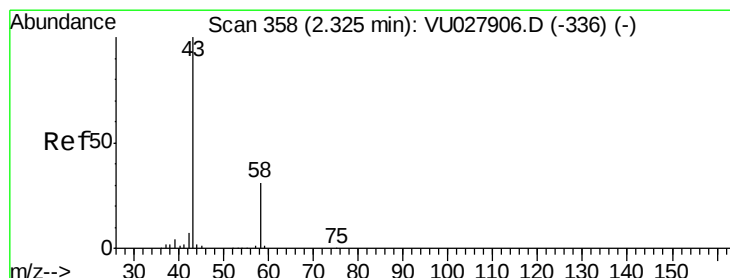
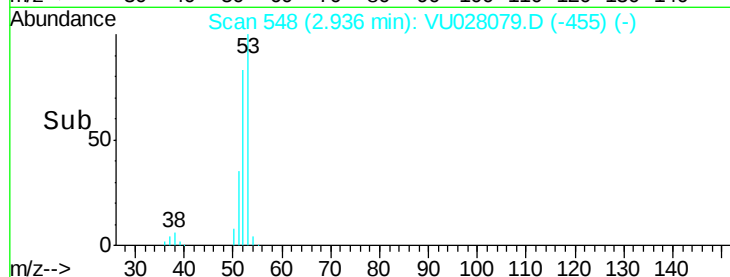
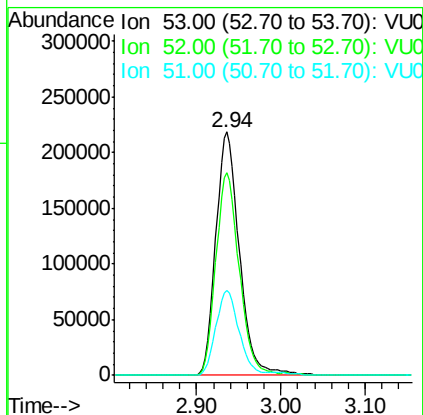
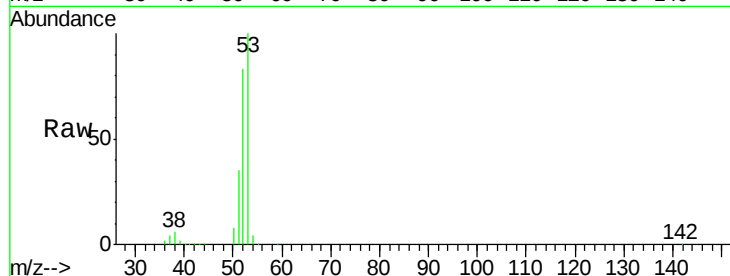
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	424827
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	35.8	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 255.649 ug/l

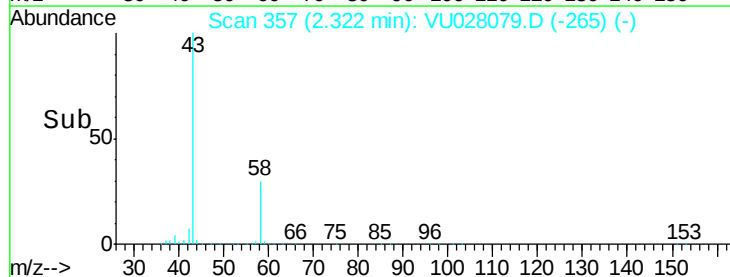
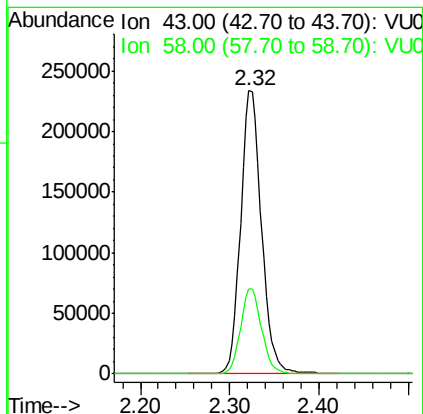
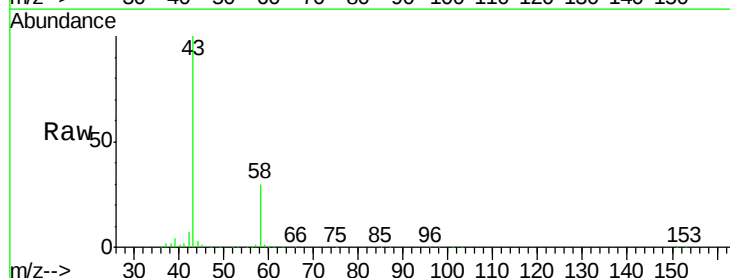
RT: 2.32 min Scan# 357

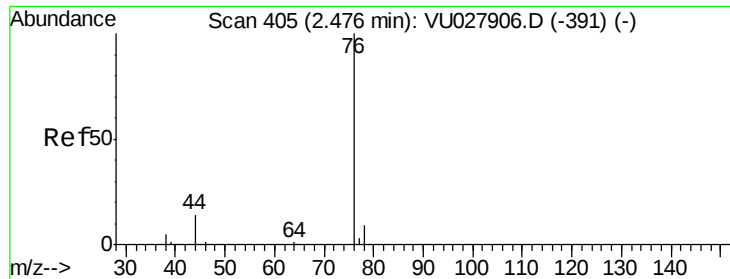
Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion:	43	Resp:	376581
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.6	37.0





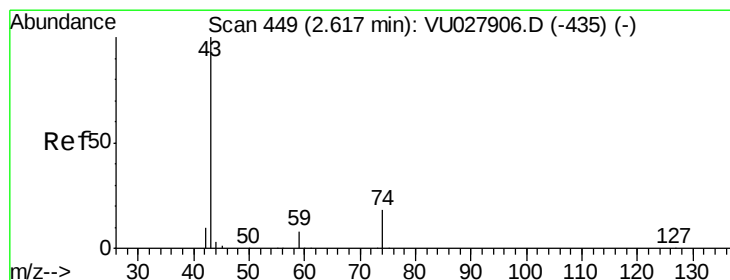
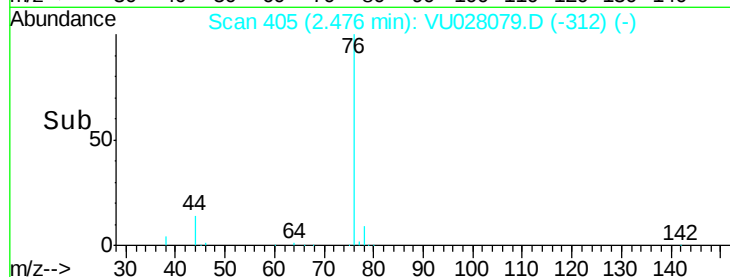
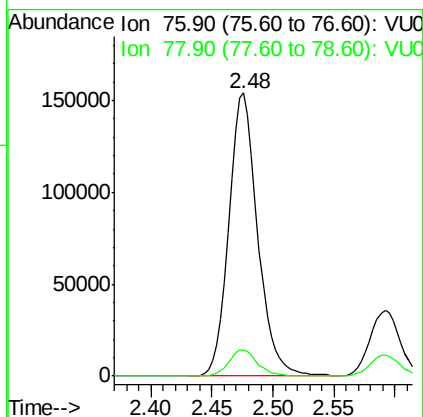
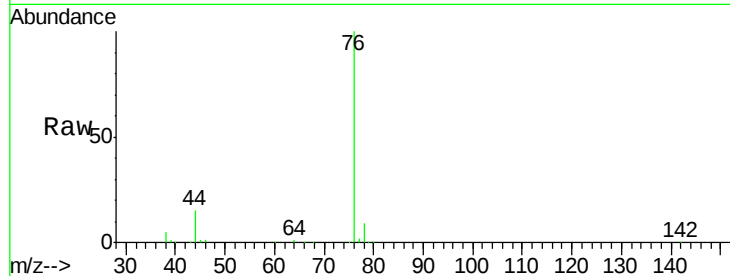
#17
Carbon Disulfide
Concen: 46.525 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 254513
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0

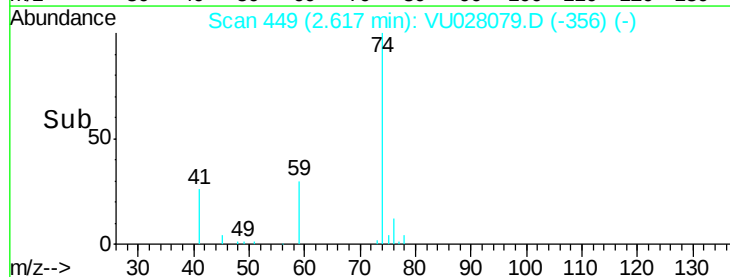
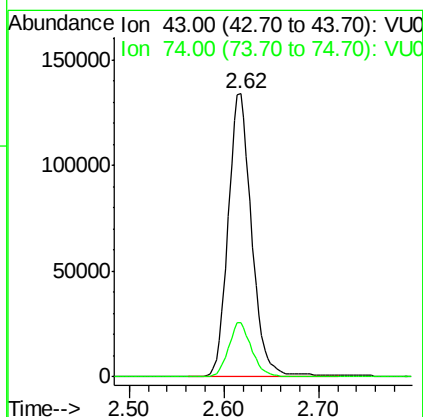
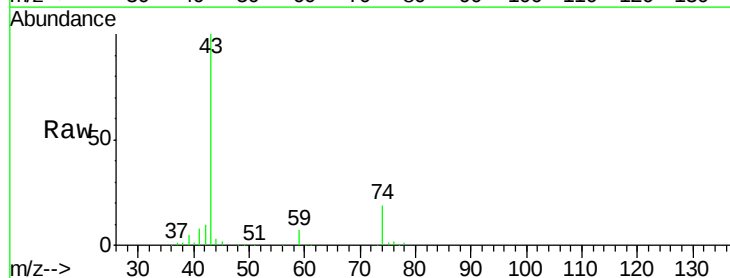
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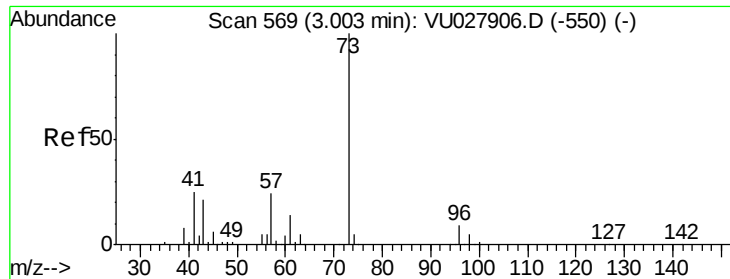
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#18
Methyl Acetate
Concen: 57.089 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 231332
Ion Ratio Lower Upper
43 100
74 18.9 14.9 22.3





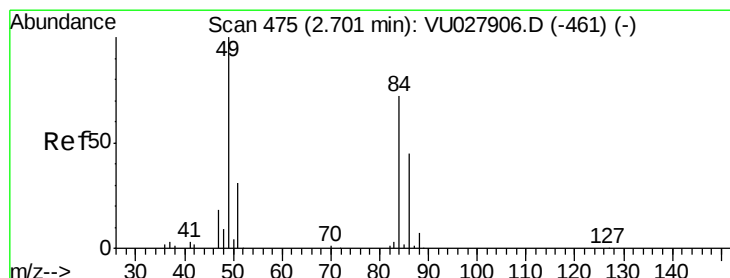
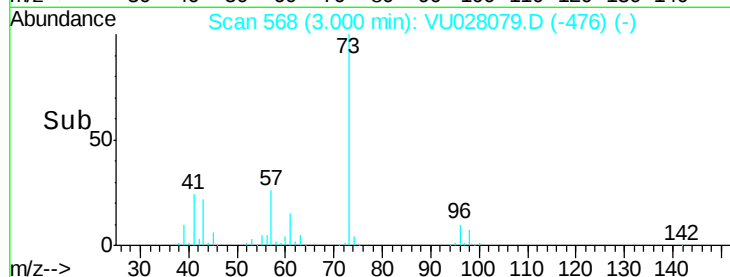
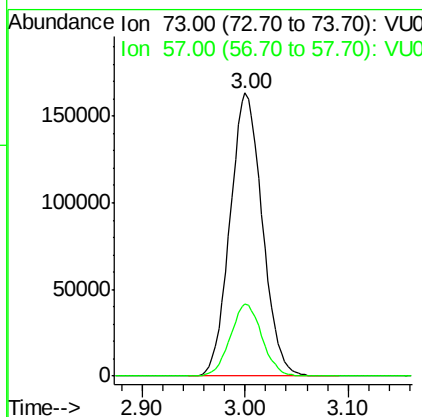
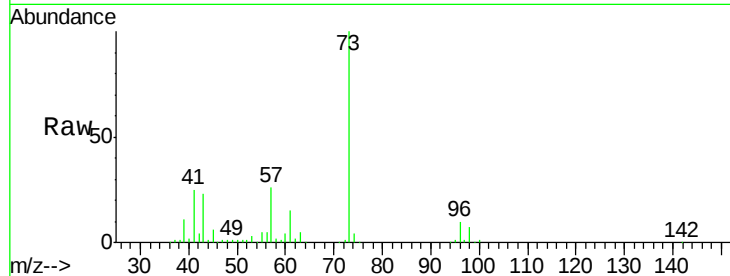
#19
Methyl tert-butyl Ether
Concen: 52.810 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
73	100		
57	25.6	19.3	28.9

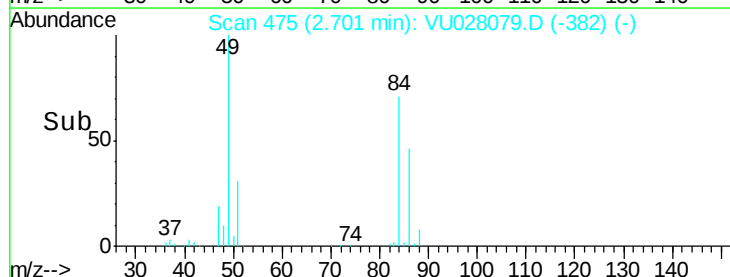
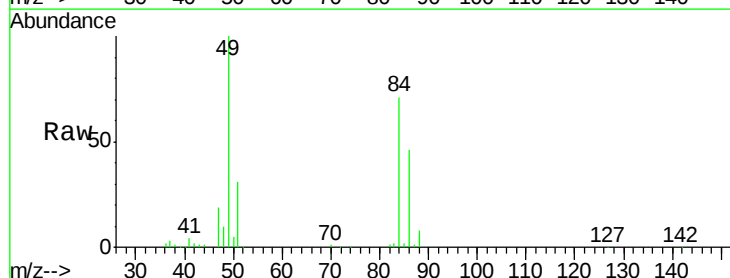
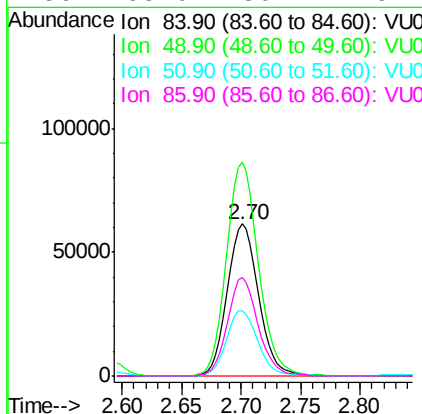
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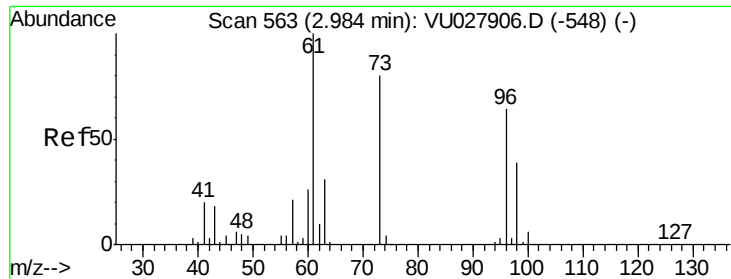
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#20
Methylene Chloride
Concen: 51.982 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.7	111.6	167.4
51	43.2	34.8	52.2
86	65.0	50.1	75.1





#21

trans-1,2-Dichloroethene

Concen: 48.746 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 94150

Ion Ratio Lower Upper

96 100

61 164.7 125.0 187.6

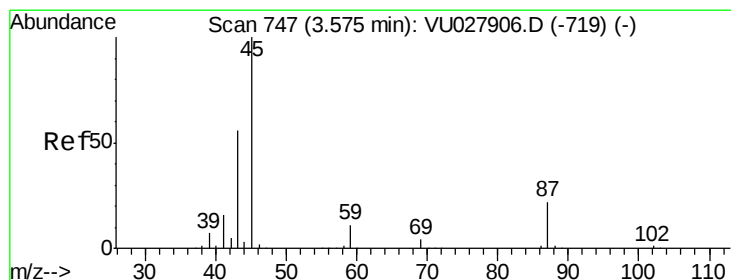
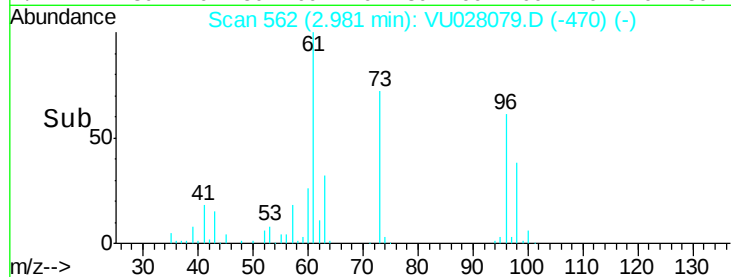
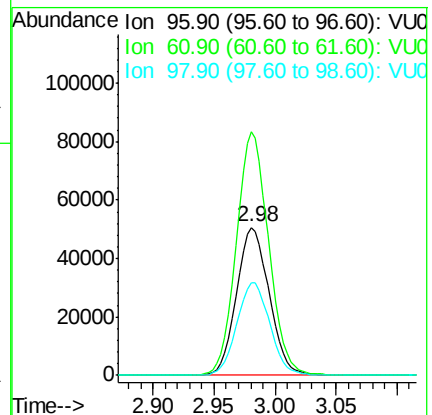
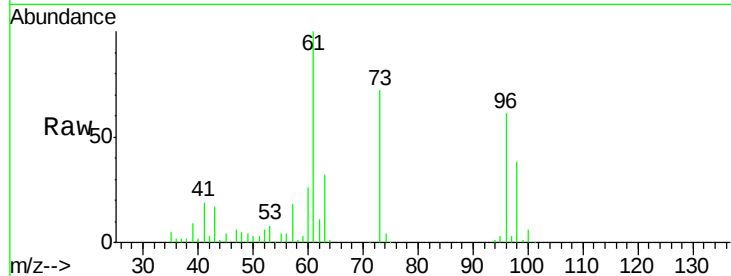
98 62.5 48.2 72.4

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#22

Diisopropyl ether

Concen: 54.255 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion: 45 Resp: 458177

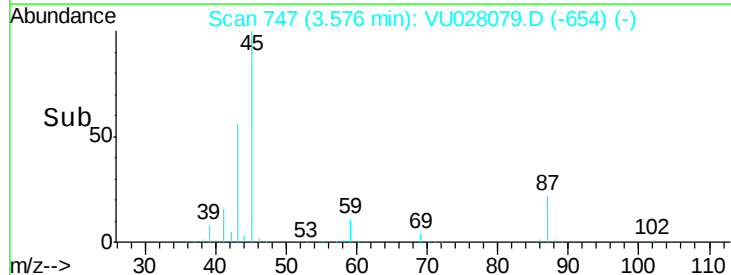
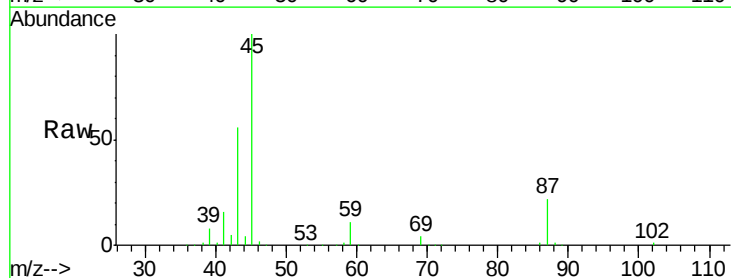
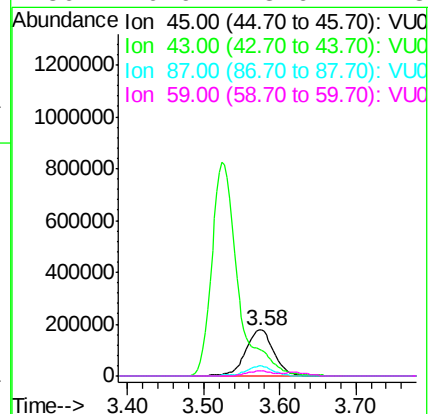
Ion Ratio Lower Upper

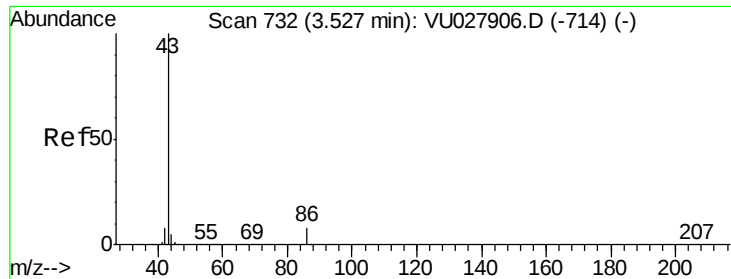
45 100

43 54.7 45.0 67.6

87 21.6 17.9 26.9

59 10.9 8.6 12.8





#23

Vinyl Acetate

Concen: 271.872 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1973178

Ion Ratio Lower Upper

43 100

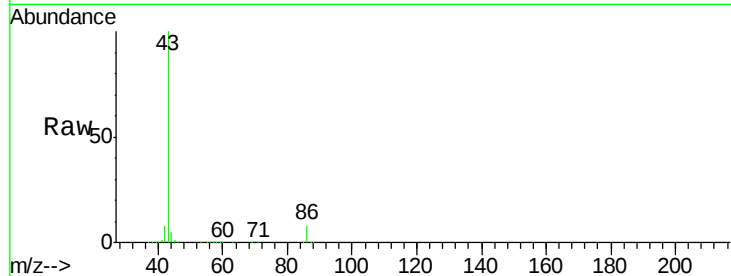
86 7.9 6.6 9.8

Manual Integrations

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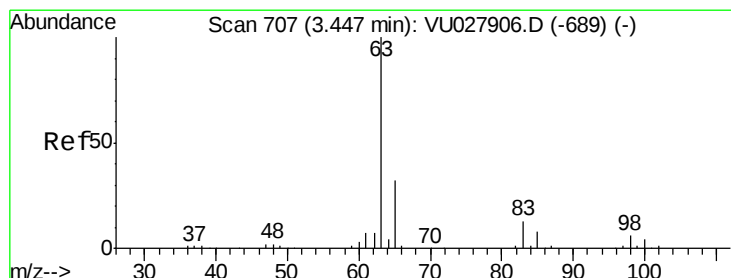
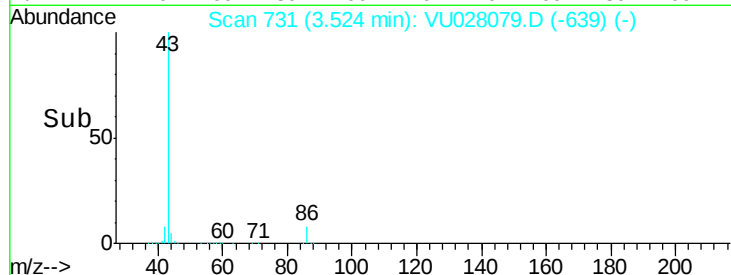
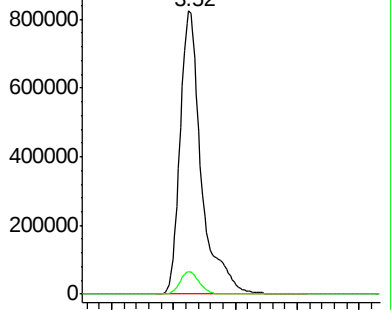
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU028079.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU028079.D (-639) (-)



#24

1,1-Dichloroethane

Concen: 51.656 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

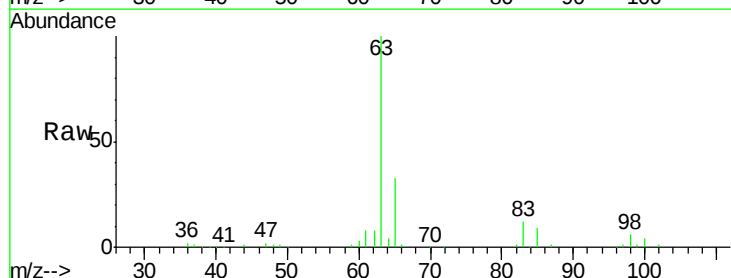
Tgt Ion: 63 Resp: 217282

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

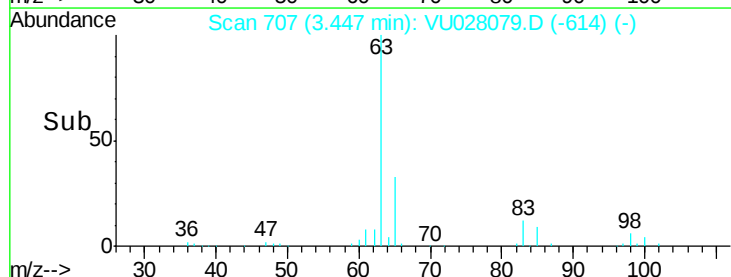
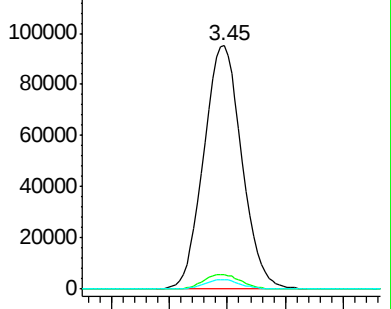
100 4.0 2.0 6.0

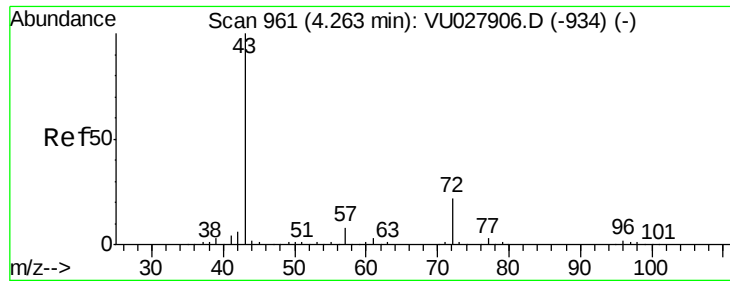


Abundance Ion 62.90 (62.60 to 63.60): VU028079.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028079.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028079.D (-614) (-)





#25

2-Butanone

Concen: 270.268 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 633363

Ion Ratio Lower Upper

43 100

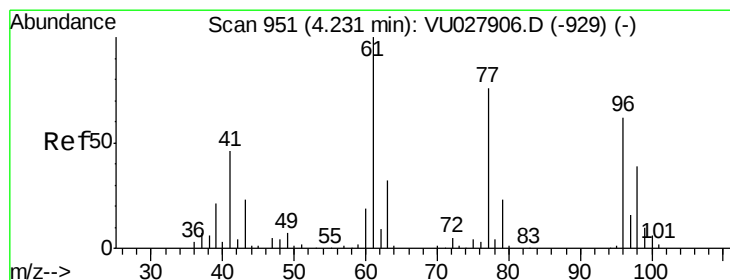
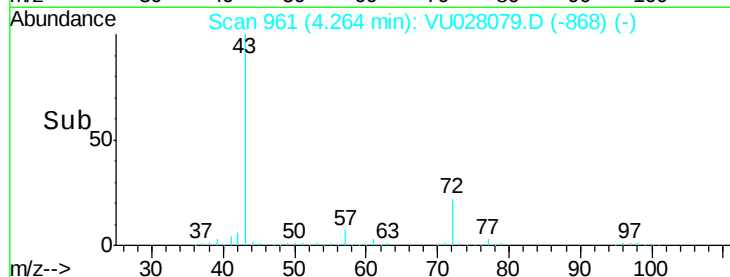
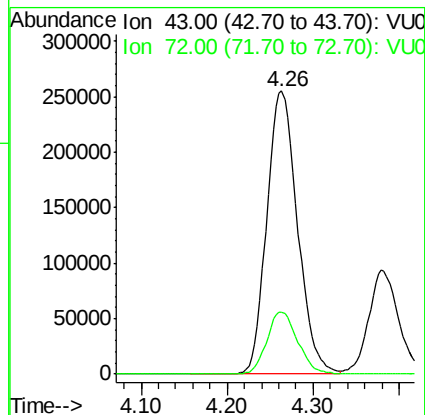
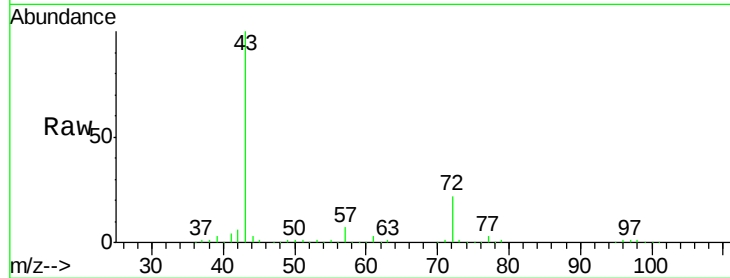
72 22.0 17.7 26.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.448 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028079.D

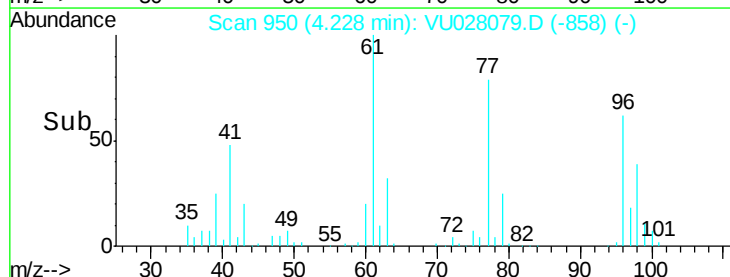
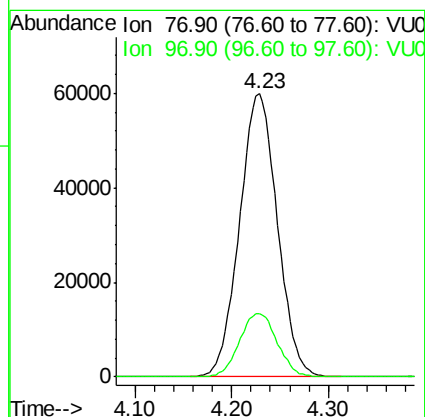
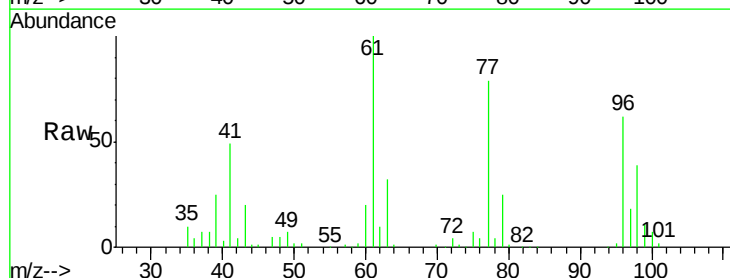
Acq: 12 Nov 2018 20:58

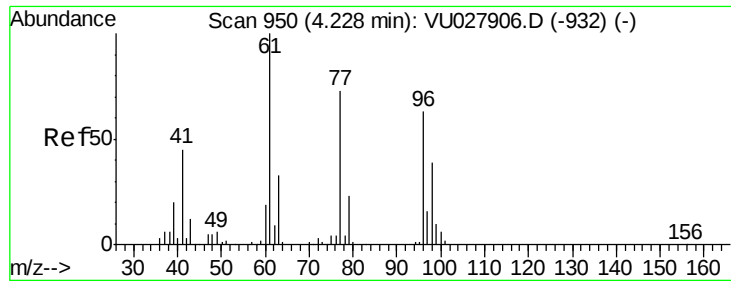
Tgt Ion: 77 Resp: 162404

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.5





#27

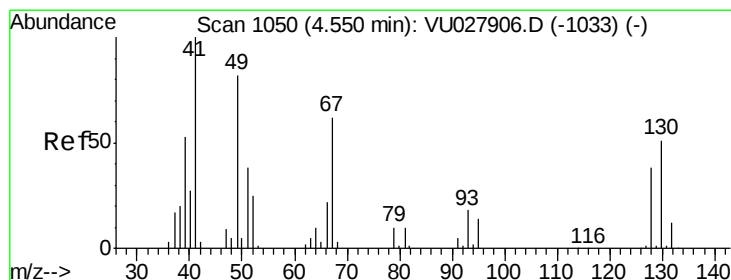
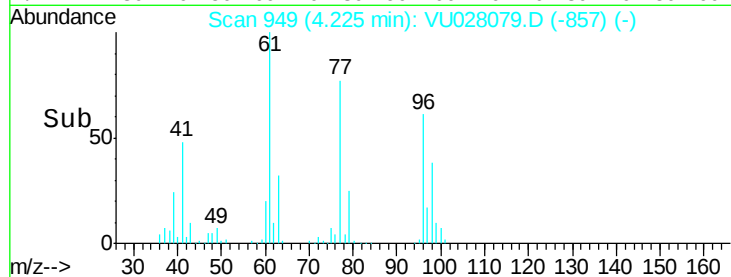
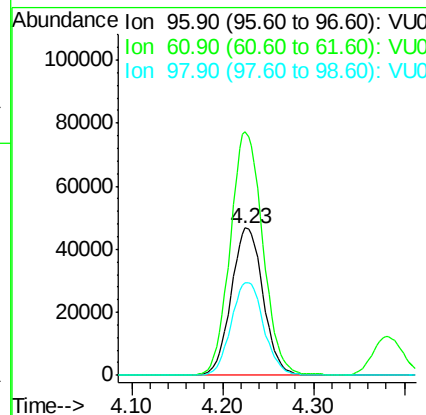
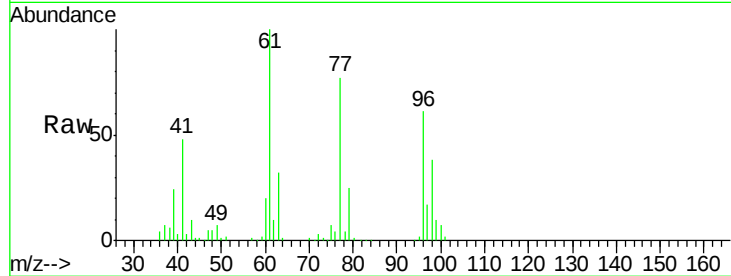
cis-1,2-Dichloroethene
Concen: 52.592 ug/l
RT: 4.23 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	113910		
61	168.9	0.0	329.6	
98	64.3	0.0	127.2	

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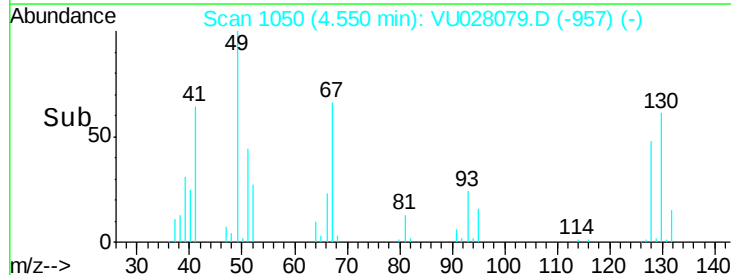
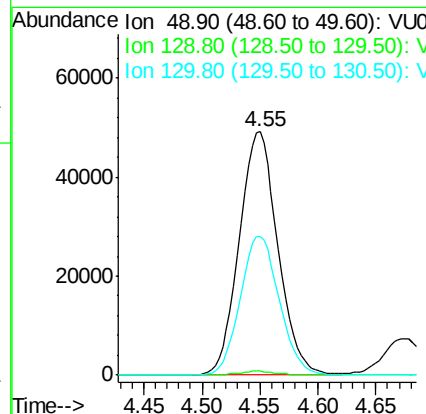
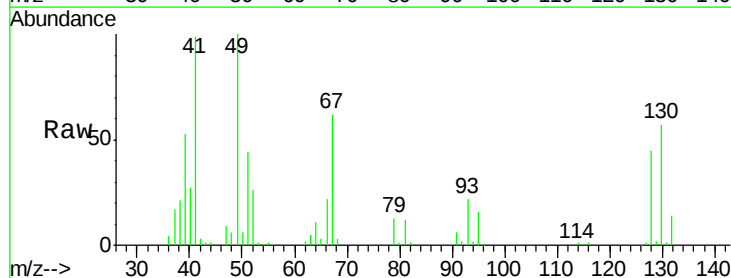
MMDadoda
11/13/2018 12:12:56 PM

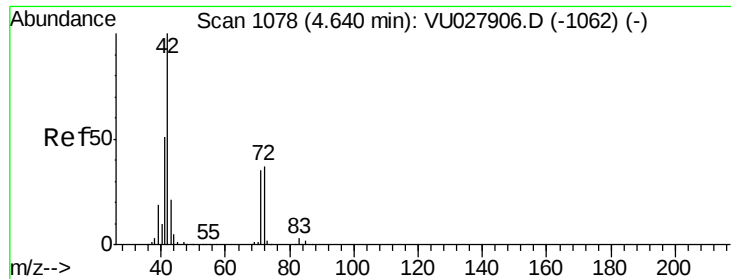


#28

Bromochloromethane
Concen: 57.720 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113821		
129	1.5	0.0	3.0	
130	57.5	47.8	71.6	





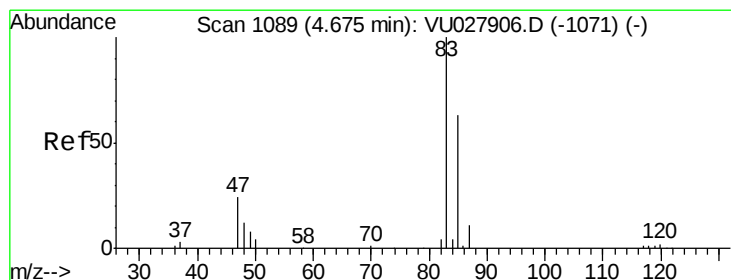
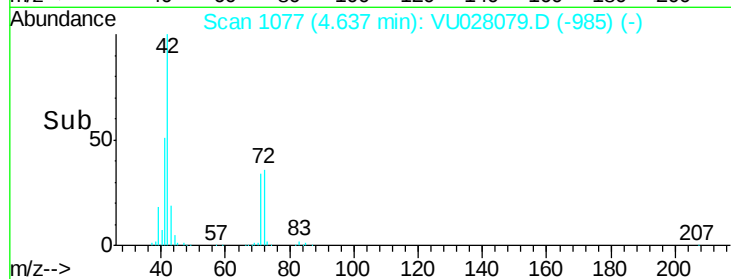
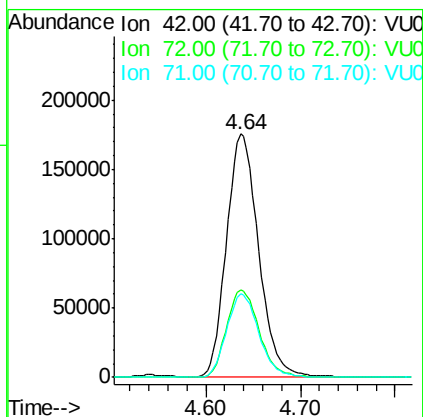
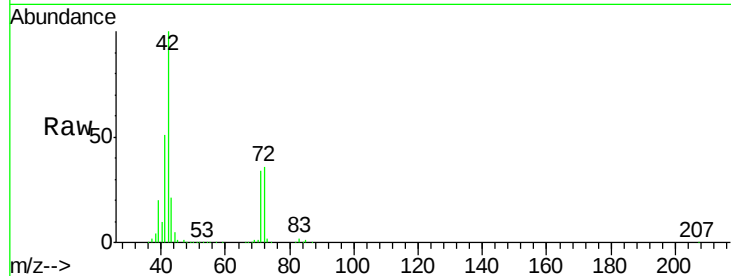
#29
Tetrahydrofuran
Concen: 264.307 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	34.6	27.9	41.9

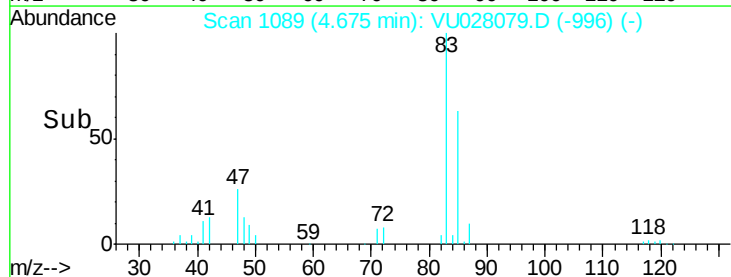
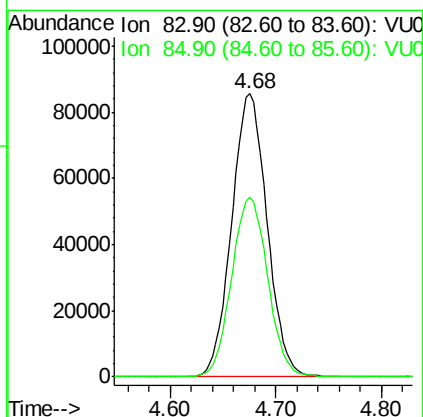
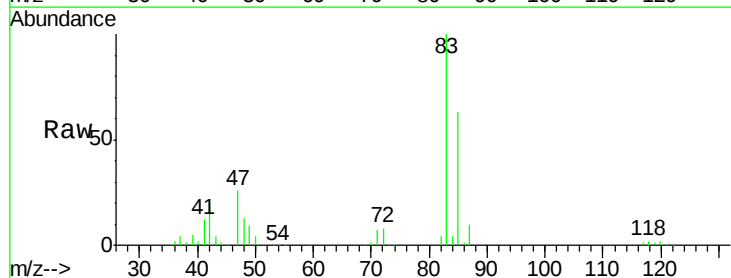
Manual Integrations
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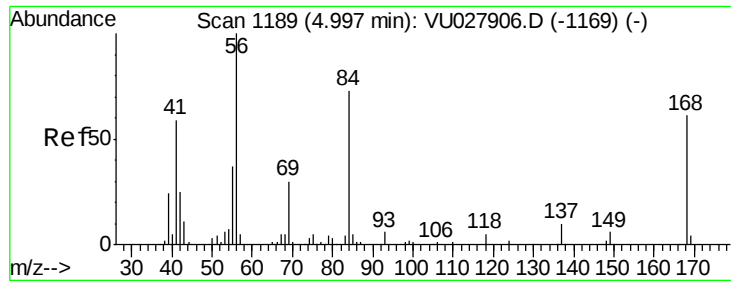
MMDadoda
11/13/2018 12:12:56 PM



#30
Chloroform
Concen: 51.793 ug/l
RT: 4.68 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.6	76.0





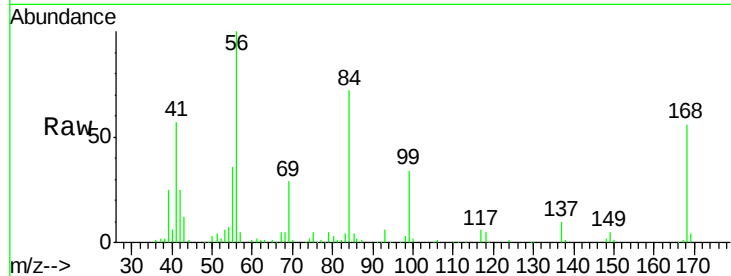
#31
Cyclohexane
Concen: 50.573 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

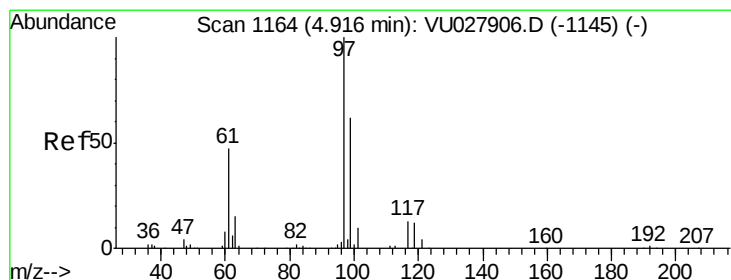
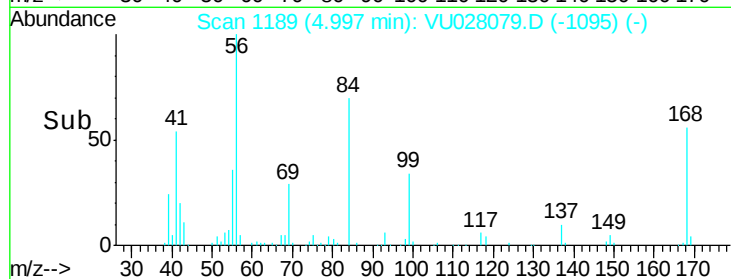
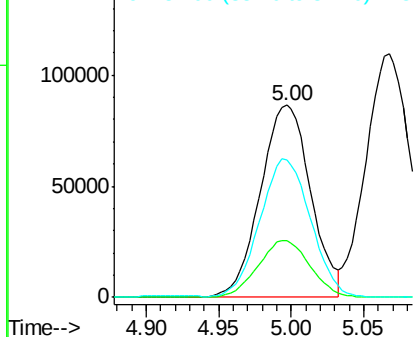
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	23.7	35.5
84	70.7	58.2	87.4

Manual Integrations
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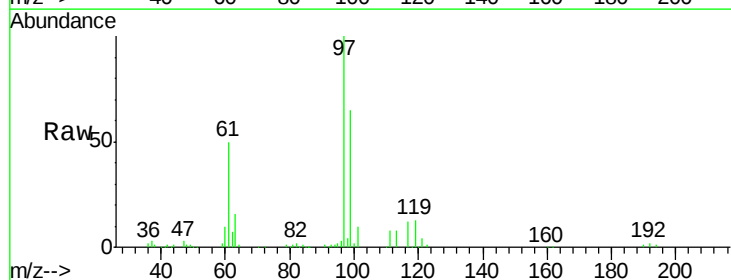


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

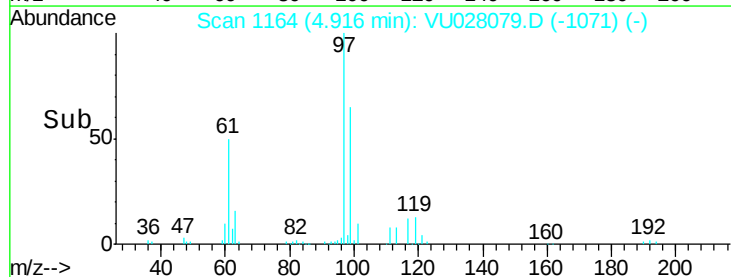
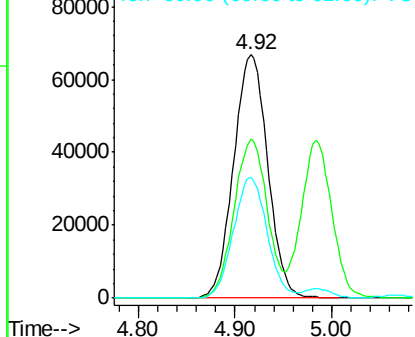


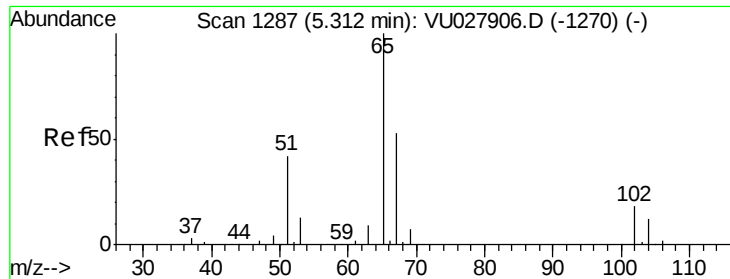
#32
1,1,1-Trichloroethane
Concen: 53.383 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.5	75.7
61	49.2	38.3	57.5



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





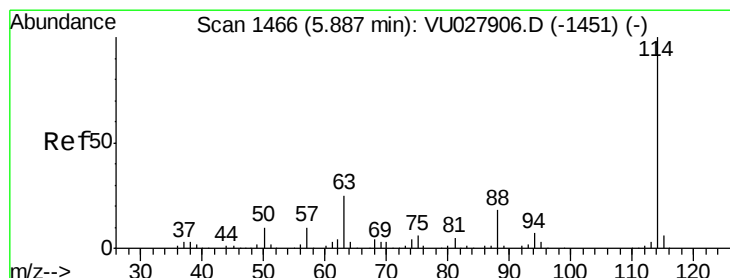
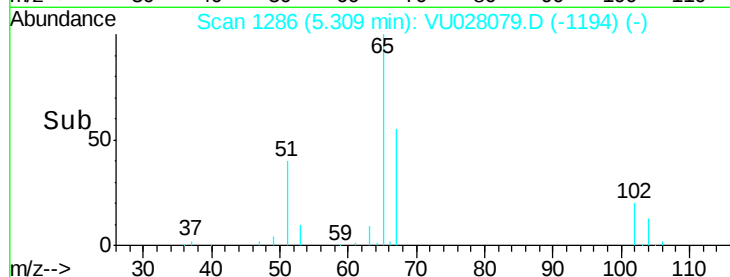
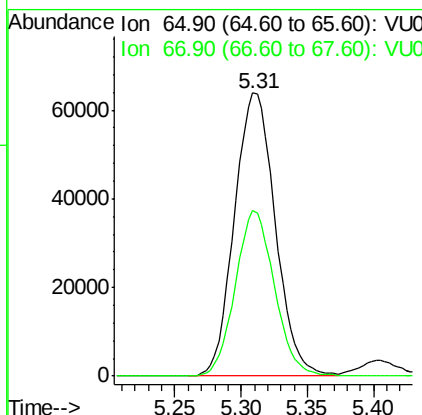
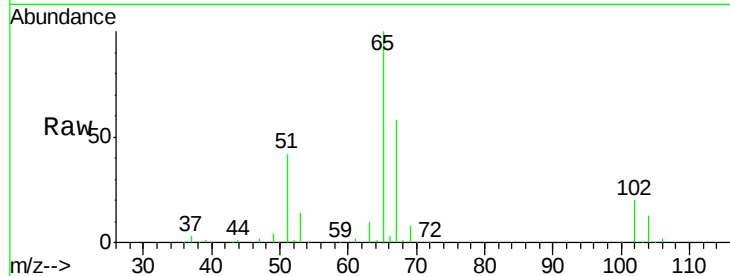
#33
 1,2-Dichloroethane-d4
 Concen: 57.741 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 137088
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 109.0

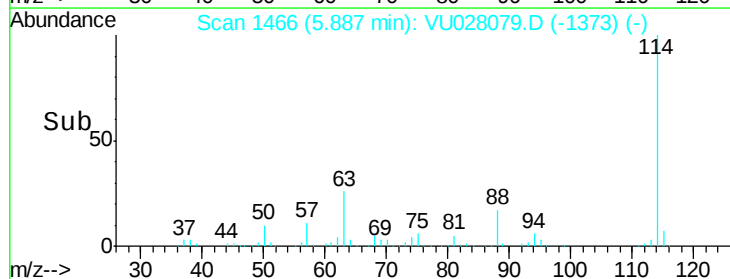
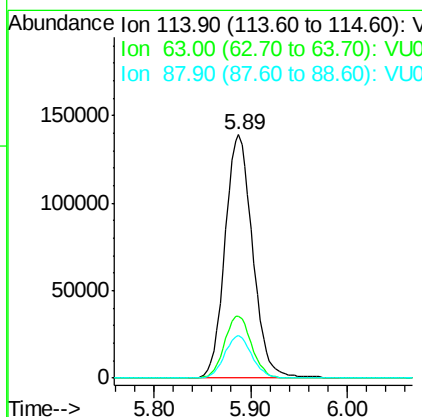
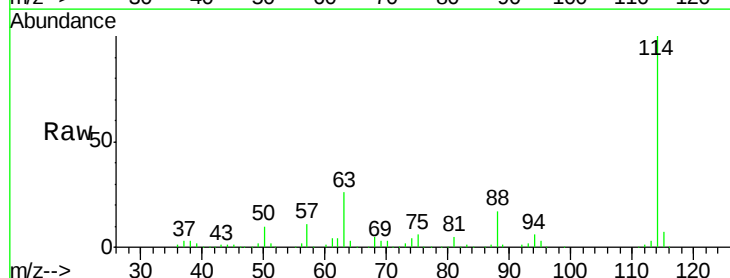
Manual Integrations
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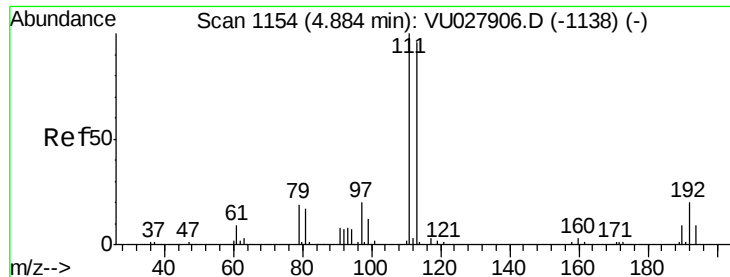
MMDadoda
 11/13/2018 12:12:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 114 Resp: 275769
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 50.8
 88 17.3 0.0 35.8





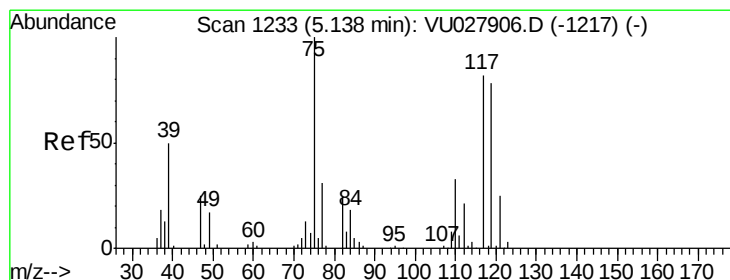
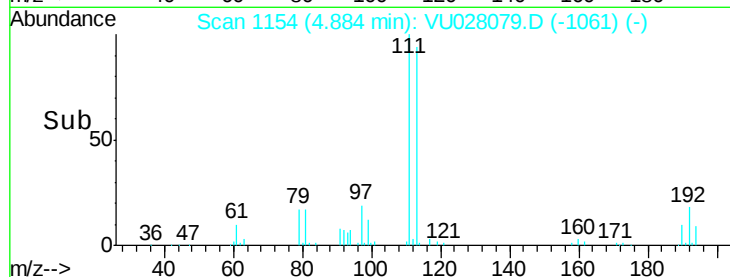
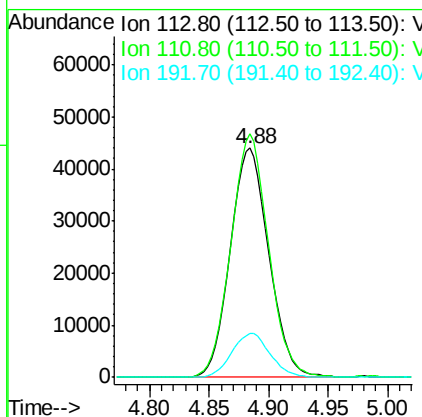
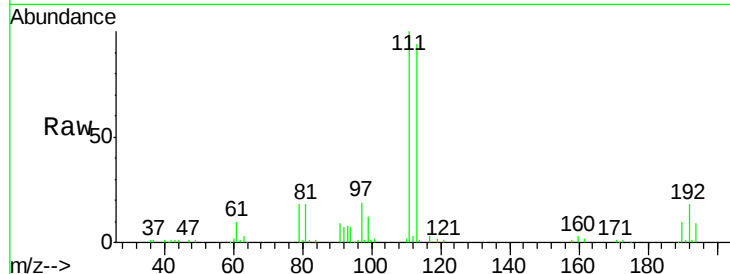
#35
 Dibromofluoromethane
 Concen: 56.798 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	98758		
111	103.8	83.0	124.6	
192	19.0	15.6	23.4	

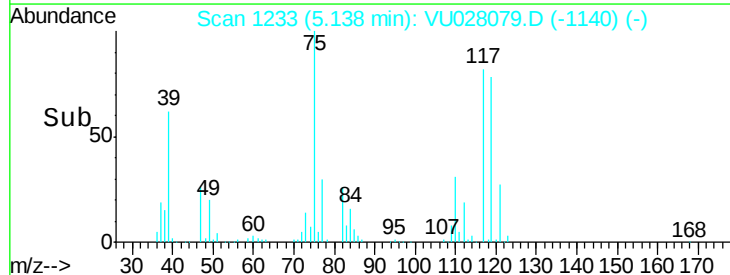
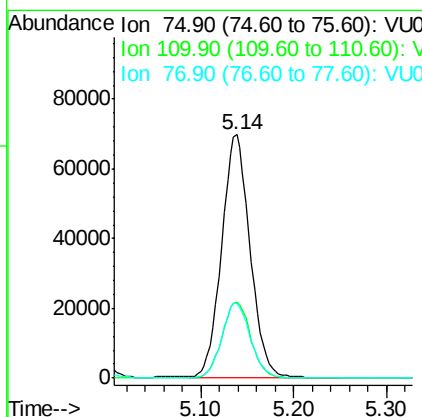
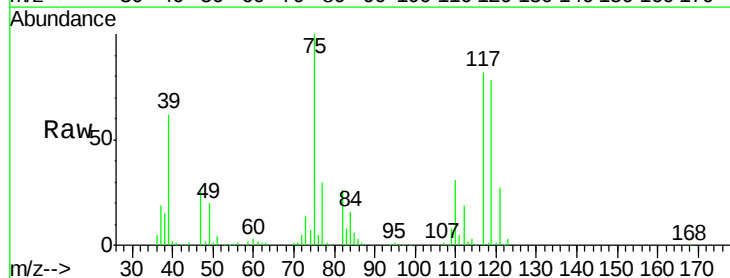
Manual Integrations
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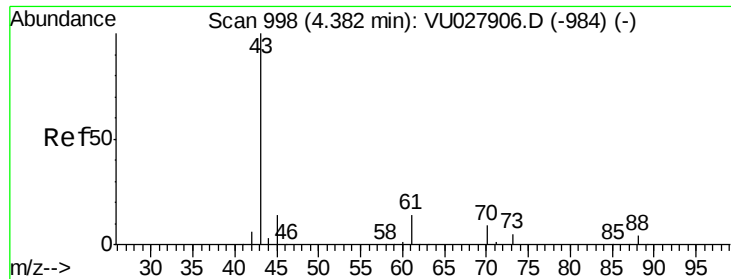
MMDadoda
 11/13/2018 12:12:56 PM



#36
 1,1-Dichloropropene
 Concen: 51.295 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148150		
110	31.6	16.5	49.5	
77	30.6	24.9	37.3	





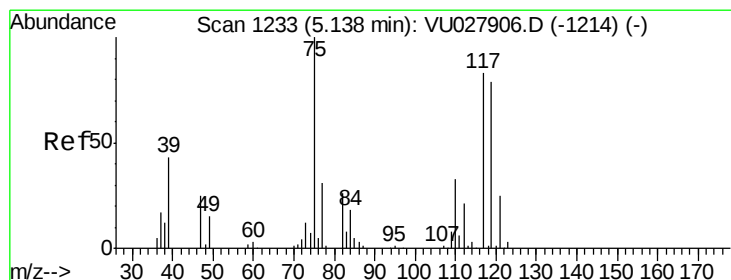
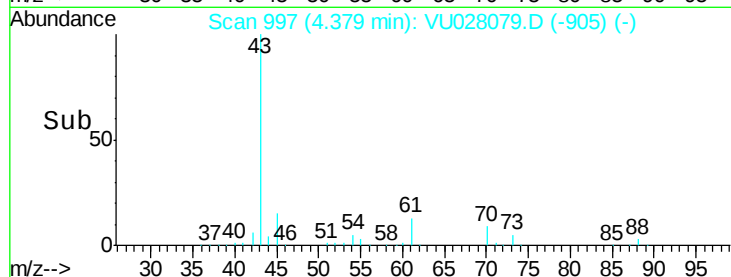
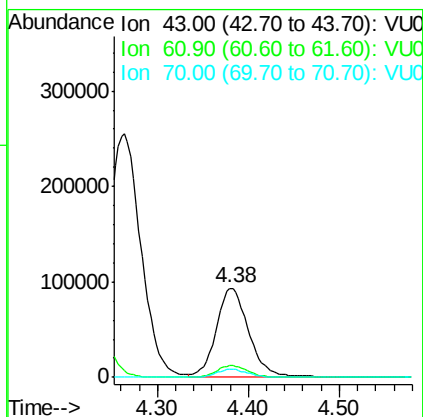
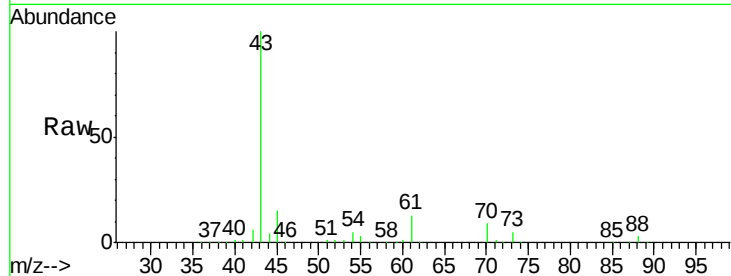
#37
Ethyl Acetate
Concen: 53.708 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 227288
Ion Ratio Lower Upper
43 100
61 13.1 10.3 15.5
70 8.7 7.0 10.6

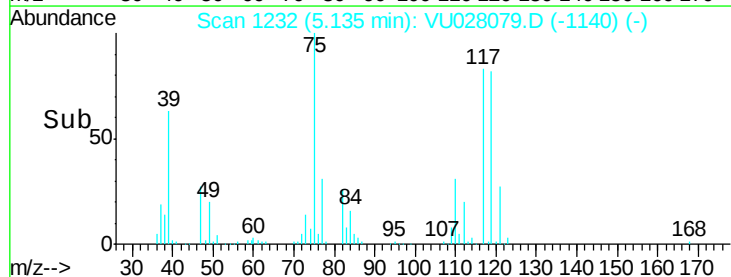
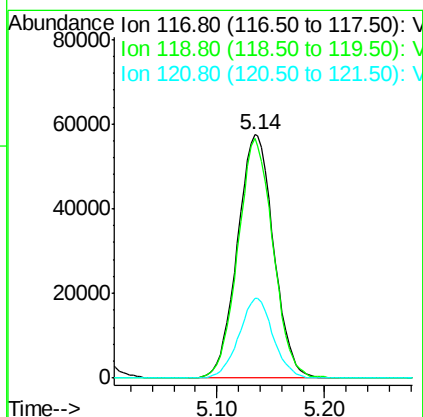
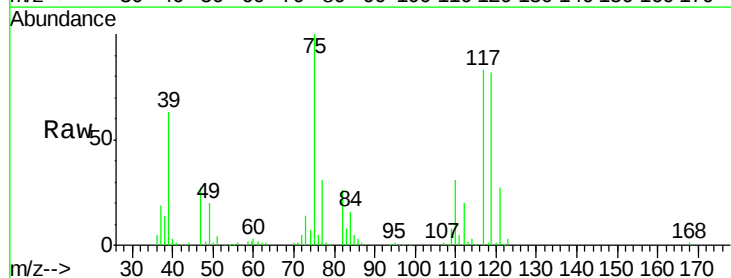
Manual Integrations
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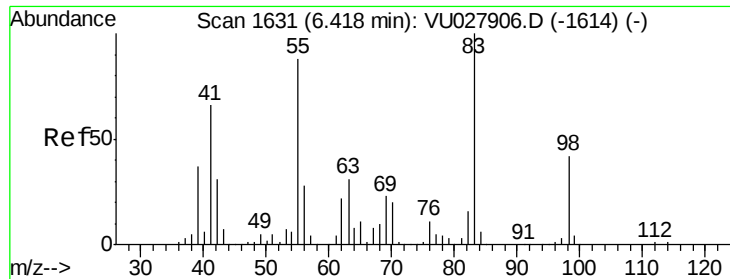
MMDadoda
11/13/2018 12:12:56 PM



#38
Carbon Tetrachloride
Concen: 52.350 ug/l
RT: 5.14 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 117 Resp: 133994
Ion Ratio Lower Upper
117 100
119 98.3 76.0 114.0
121 32.5 24.5 36.7





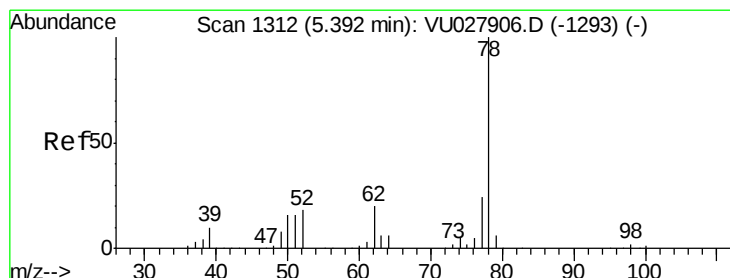
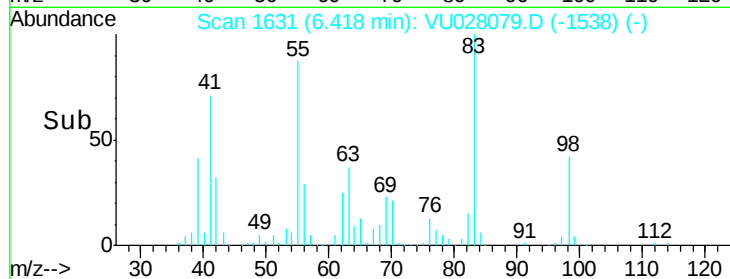
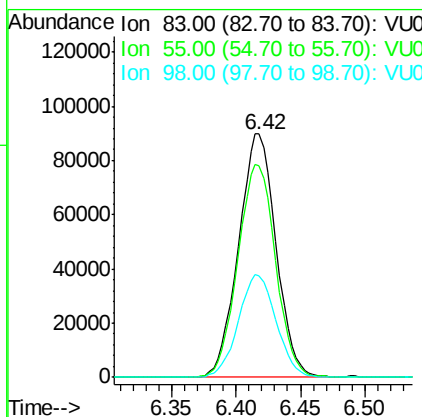
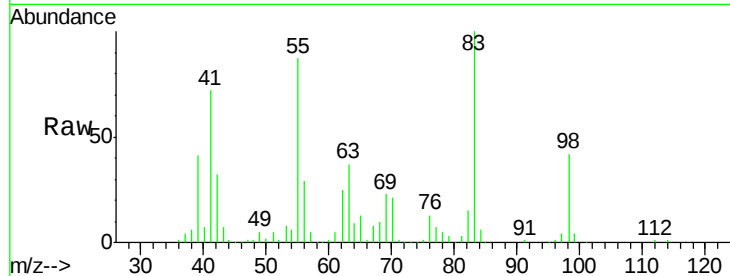
#39
Methylcyclohexane
Concen: 52.085 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.7	70.3	105.5
98	41.7	34.0	51.0

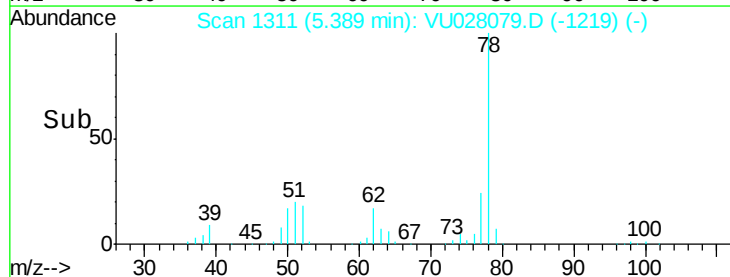
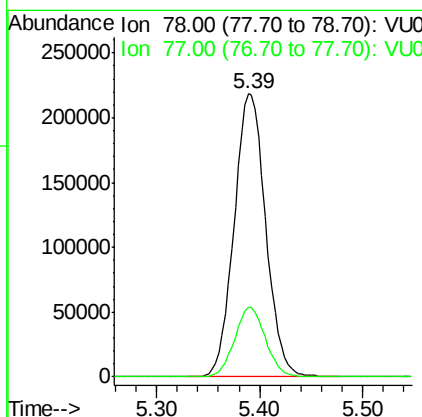
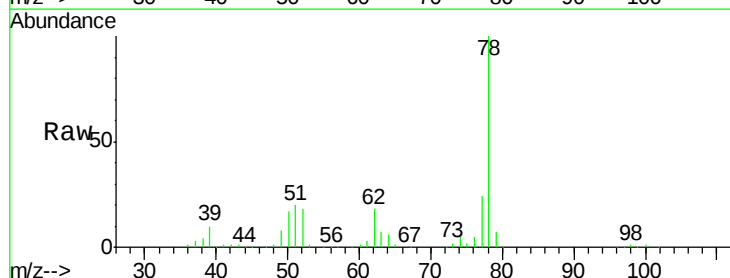
Manual Integrations
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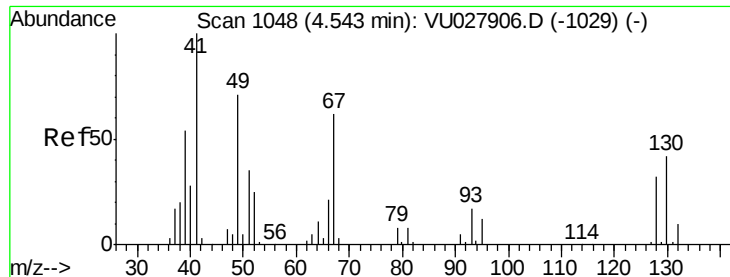
MMDadoda
11/13/2018 12:12:56 PM



#40
Benzene
Concen: 52.746 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.3	28.9





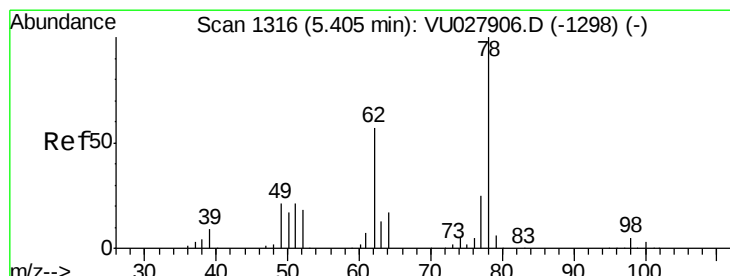
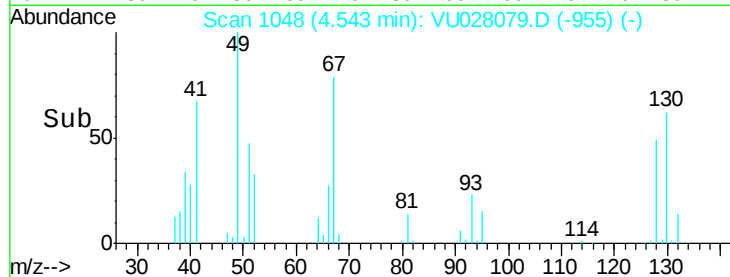
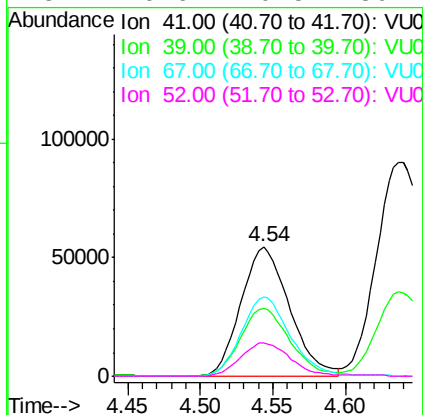
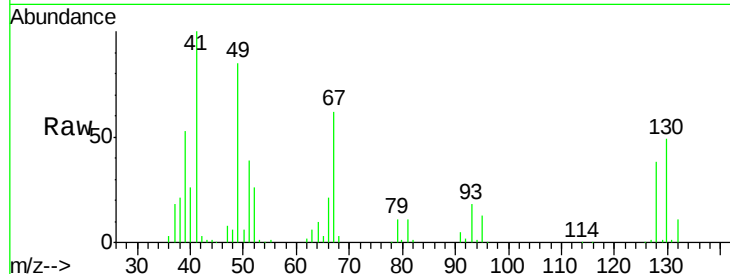
#41
Methacrylonitrile
Concen: 56.389 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	54.1	42.2	63.4
67	62.1	49.5	74.3
52	26.6	20.5	30.7

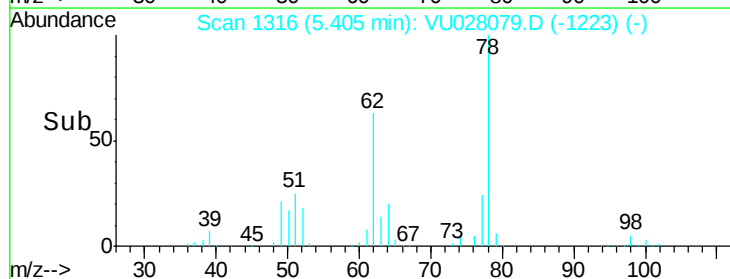
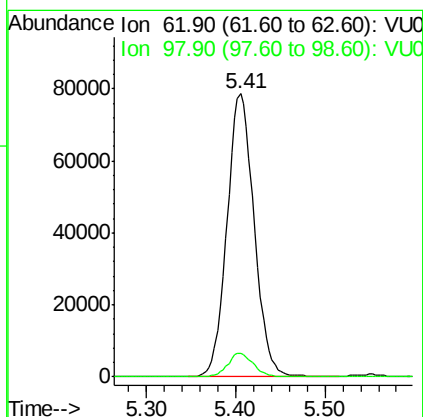
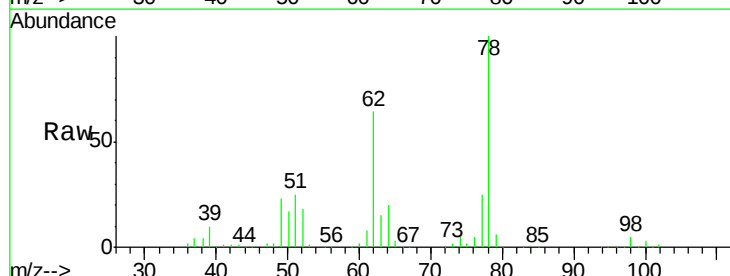
Manual Integrations
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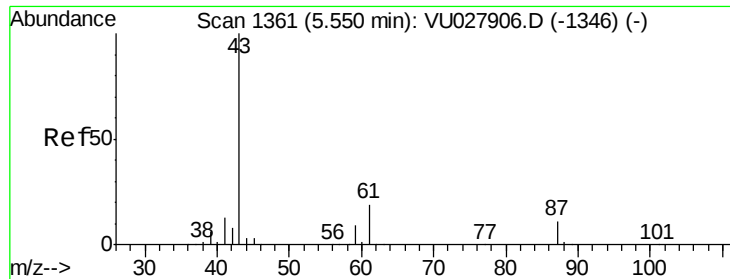
MMDadoda
11/13/2018 12:12:56 PM



#42
1,2-Dichloroethane
Concen: 52.742 ug/l
RT: 5.41 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	17.2





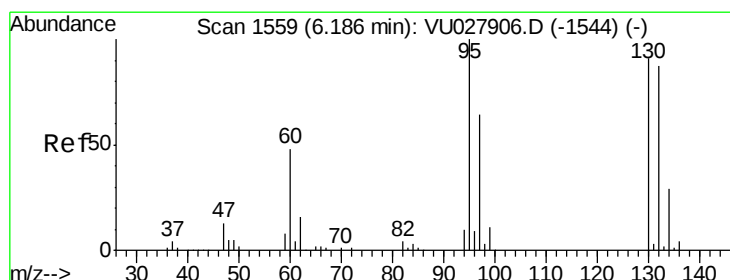
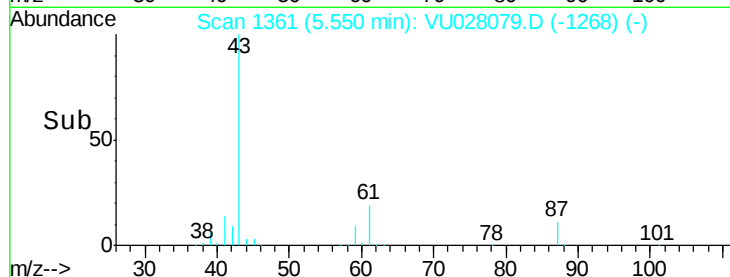
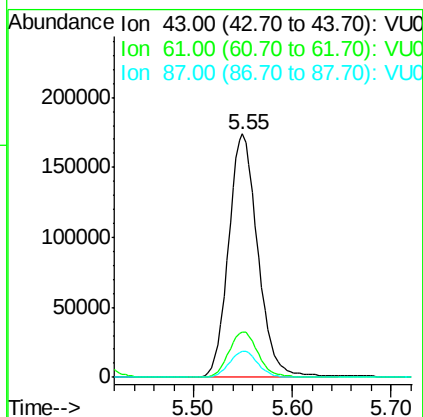
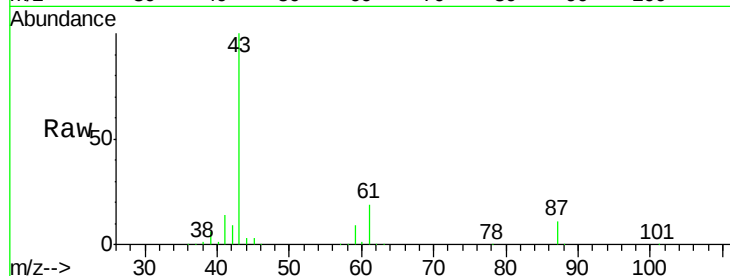
#43
Isopropyl Acetate
Concen: 54.126 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.0	22.4
87	10.7	8.6	12.8

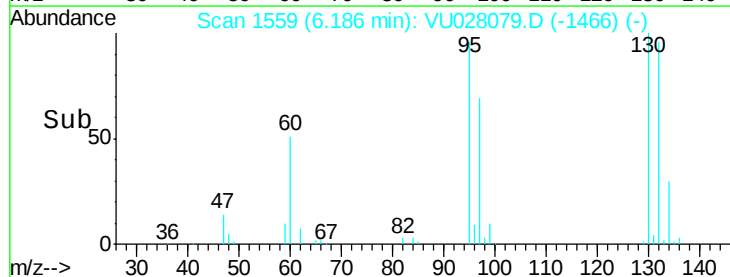
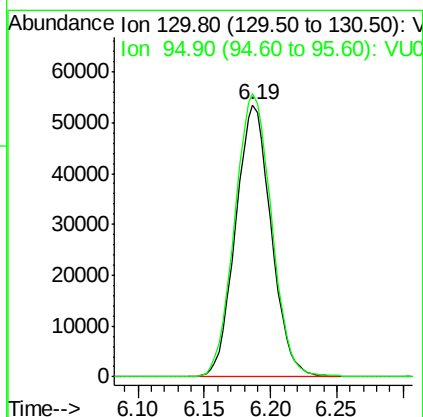
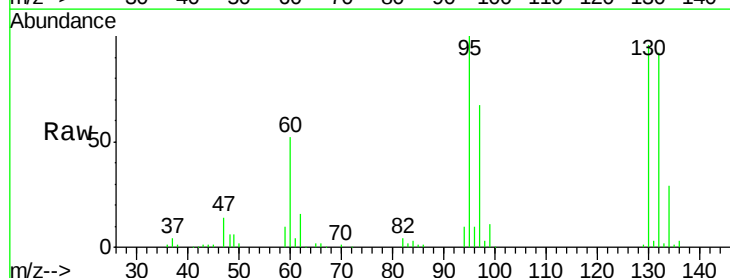
Manual Integrations
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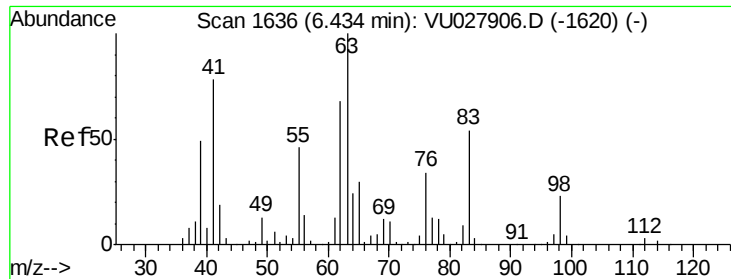
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11/13/2018 12:12:56 PM



#44
Trichloroethene
Concen: 52.683 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	219.2





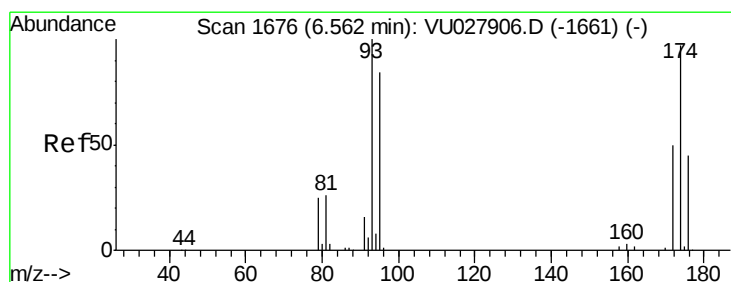
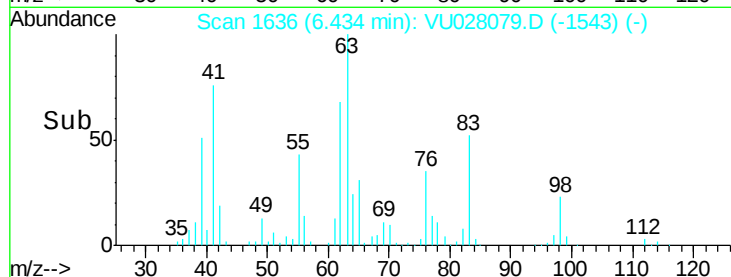
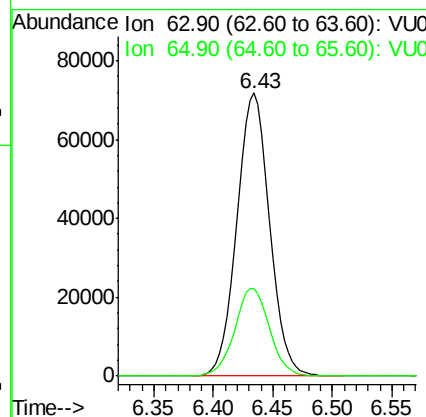
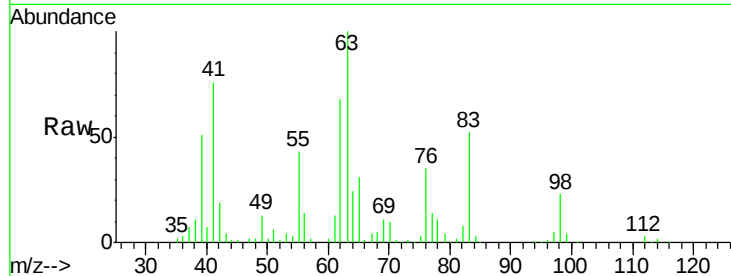
#45
 1,2-Dichloropropane
 Concen: 53.817 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 137052
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6

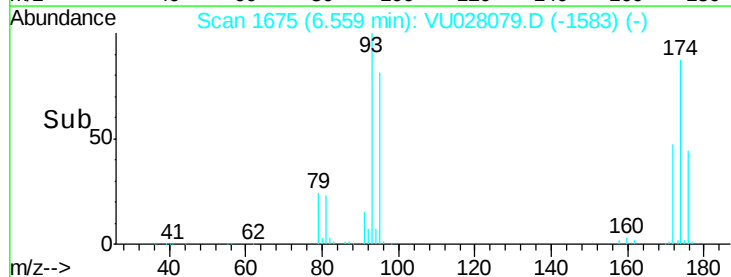
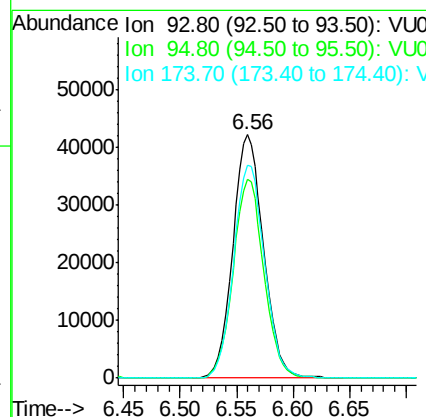
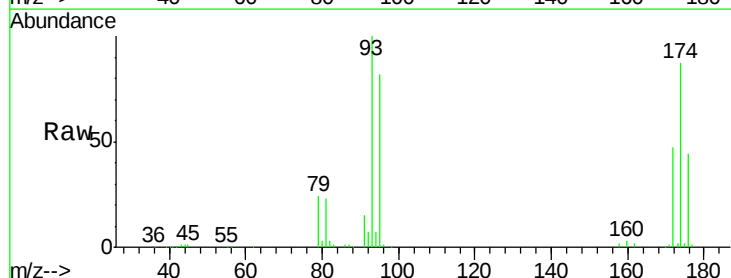
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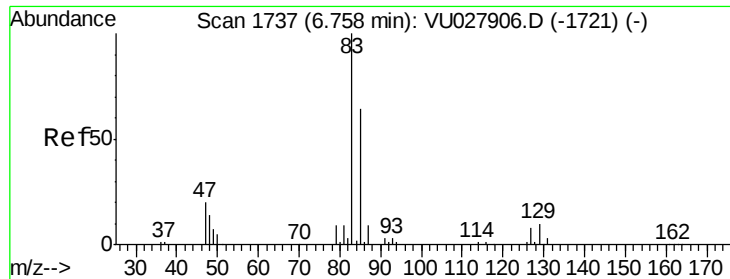
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#46
 Dibromomethane
 Concen: 54.181 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 93 Resp: 79311
 Ion Ratio Lower Upper
 93 100
 95 82.1 68.5 102.7
 174 88.6 76.1 114.1





#47

Bromodichloromethane

Concen: 55.243 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 155838

Ion Ratio Lower Upper

83 100

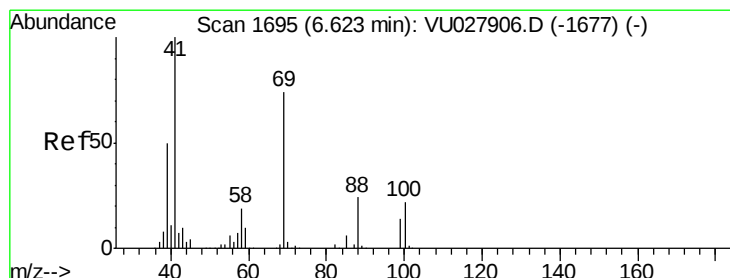
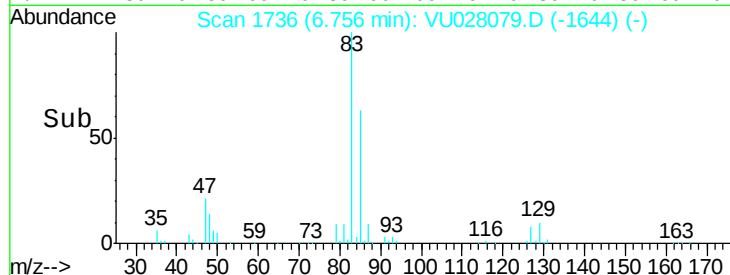
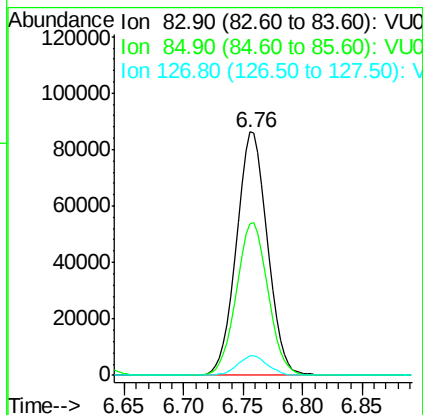
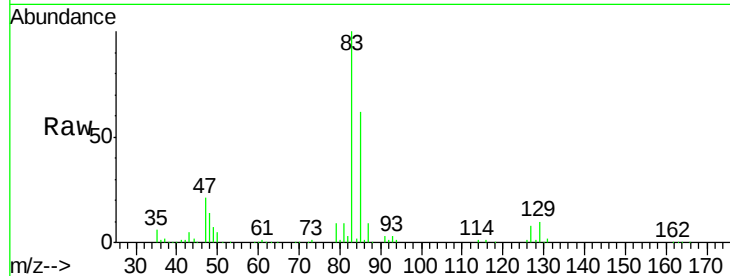
85 62.5 51.0 76.6

127 7.8 6.2 9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.387 ug/l

RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

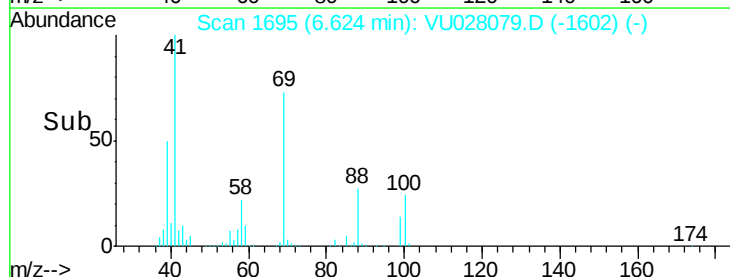
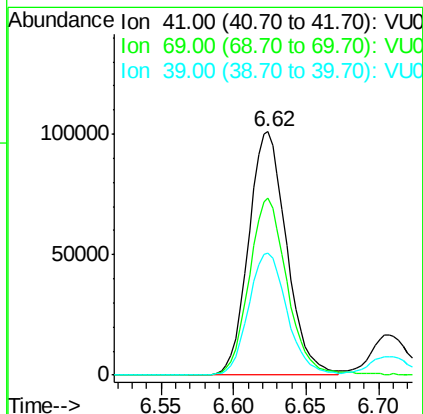
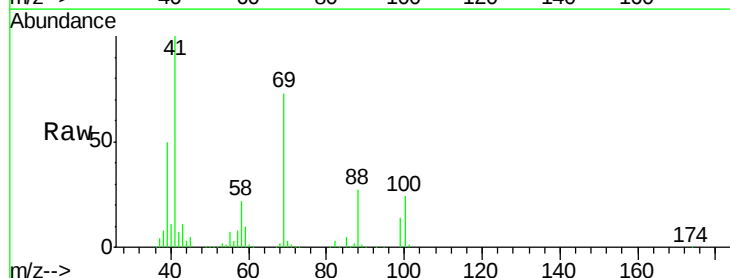
Tgt Ion: 41 Resp: 183204

Ion Ratio Lower Upper

41 100

69 73.1 59.8 89.8

39 51.3 40.0 60.0





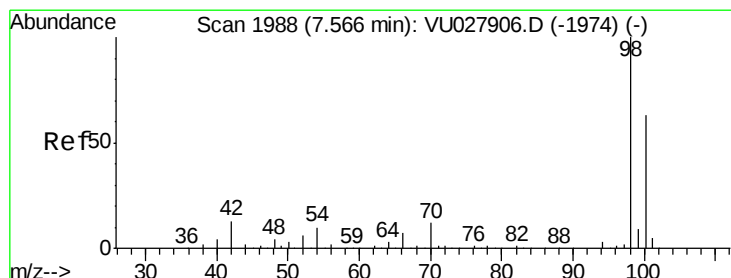
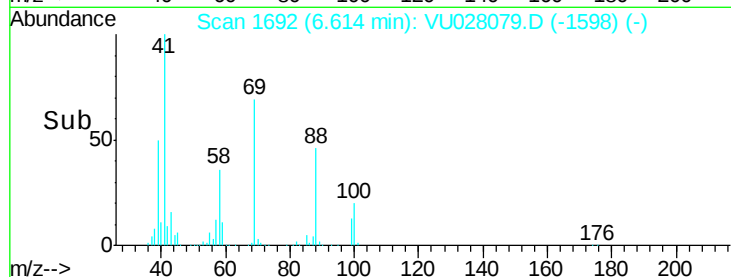
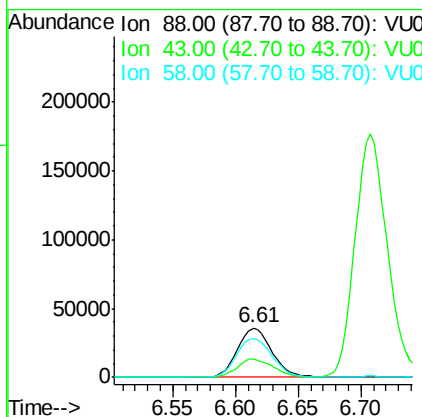
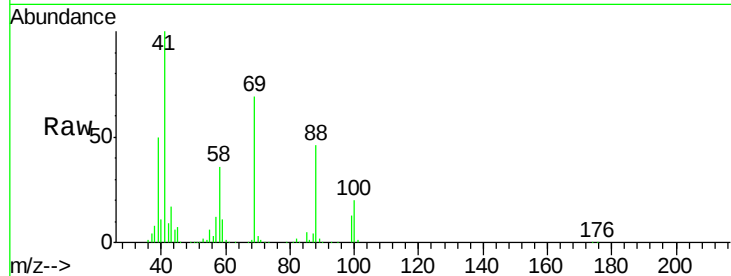
#49
1,4-Dioxane
Concen: 1289.083 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 68332
Ion Ratio Lower Upper
88 100
43 38.1 30.5 45.7
58 82.1 67.1 100.7

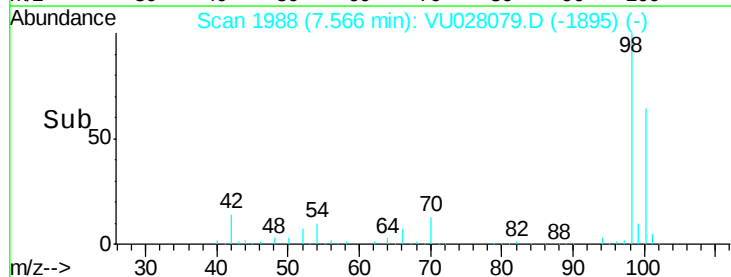
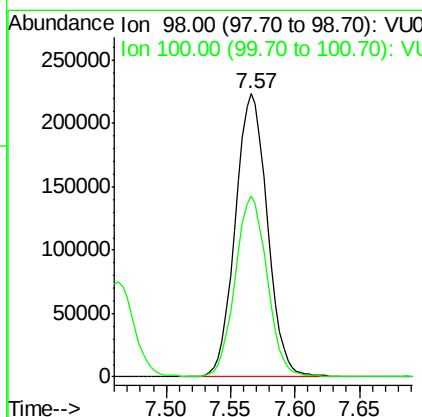
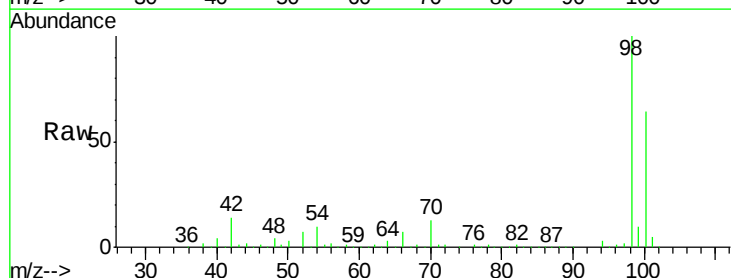
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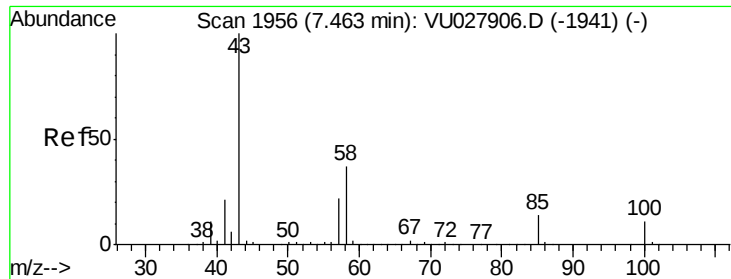
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#50
Toluene-d8
Concen: 57.570 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 98 Resp: 386682
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1





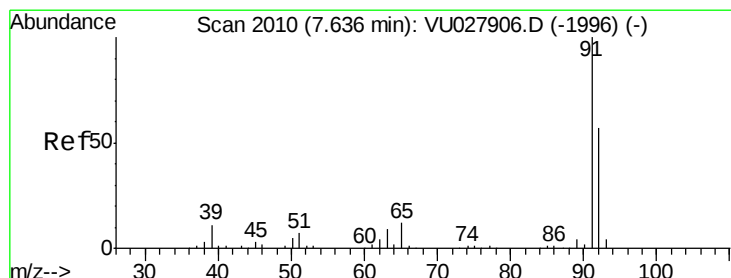
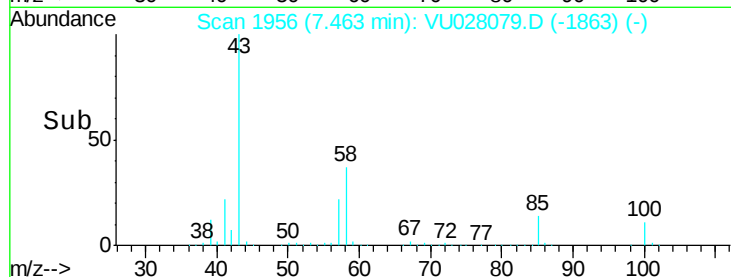
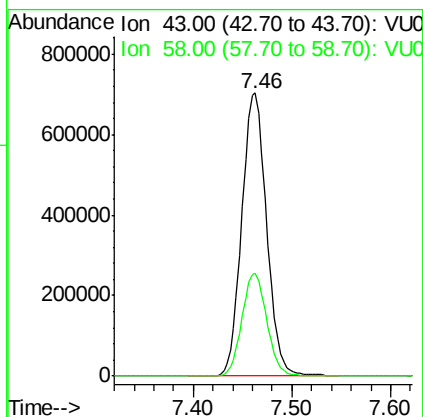
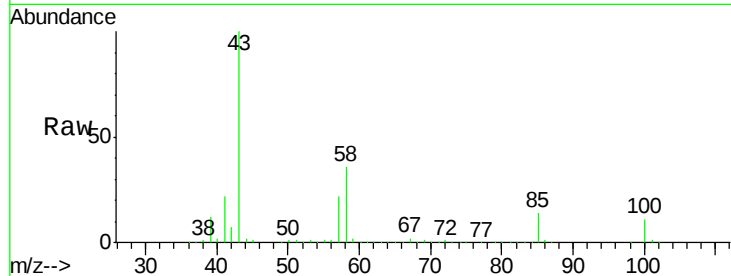
#51
4-Methyl-2-Pentanone
Concen: 276.618 ug/l
RT: 7.46 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1224811
Ion Ratio Lower Upper
43 100
58 36.4 29.5 44.3

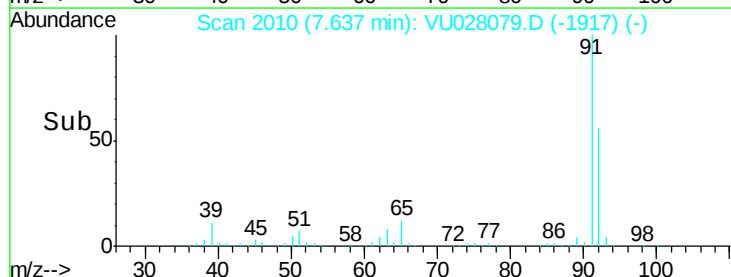
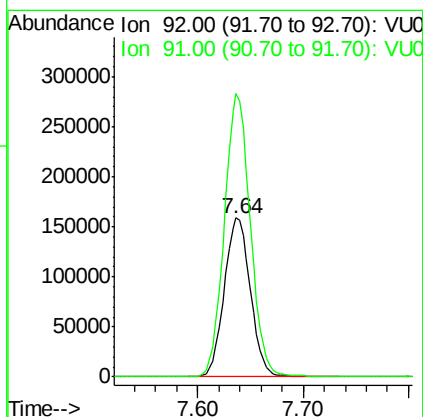
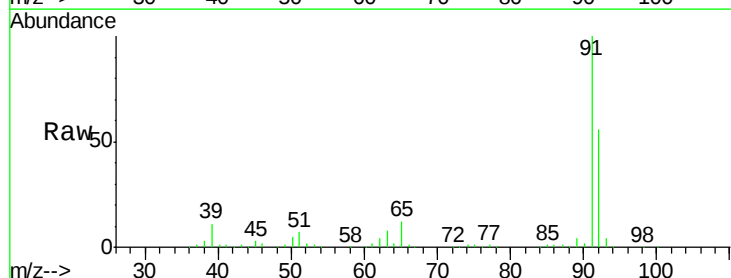
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#52
Toluene
Concen: 52.606 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 92 Resp: 273096
Ion Ratio Lower Upper
92 100
91 176.6 141.2 211.8





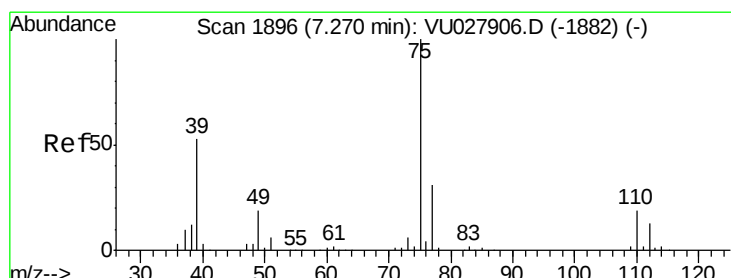
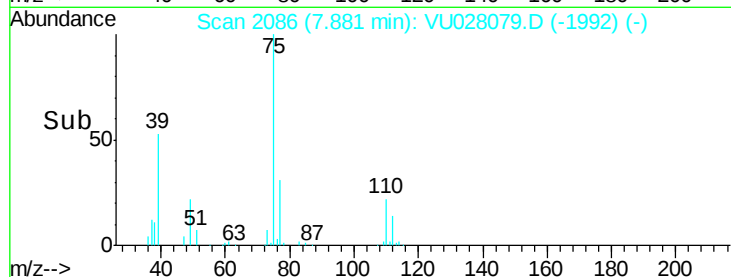
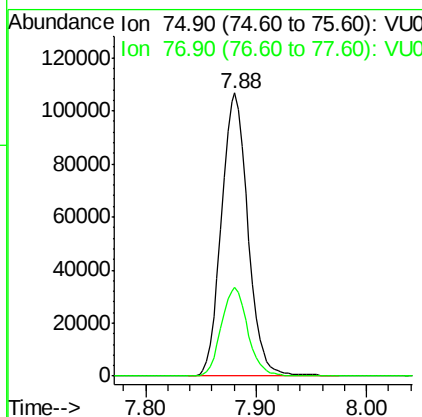
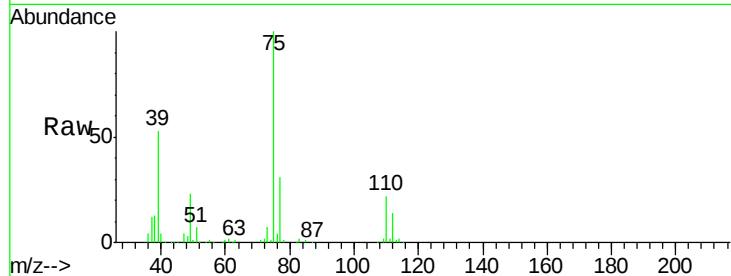
#53
t-1,3-Dichloropropene
Concen: 50.915 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 178186
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7

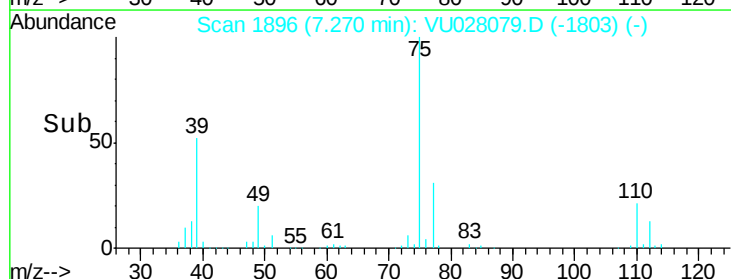
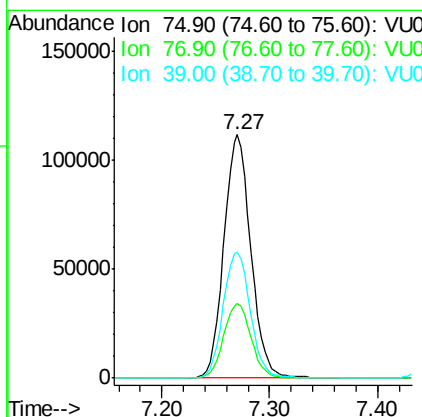
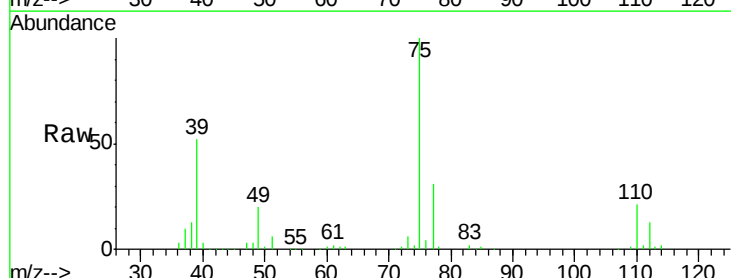
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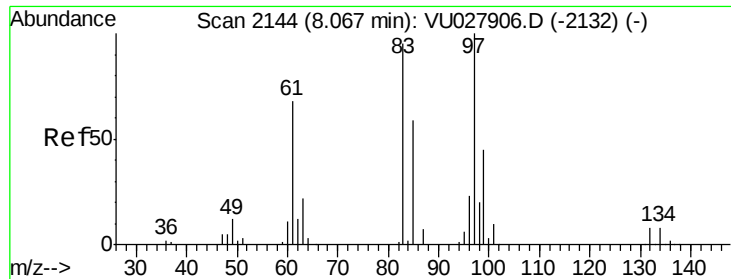
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#54
cis-1,3-Dichloropropene
Concen: 55.898 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 75 Resp: 194389
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0
39 51.7 42.6 64.0





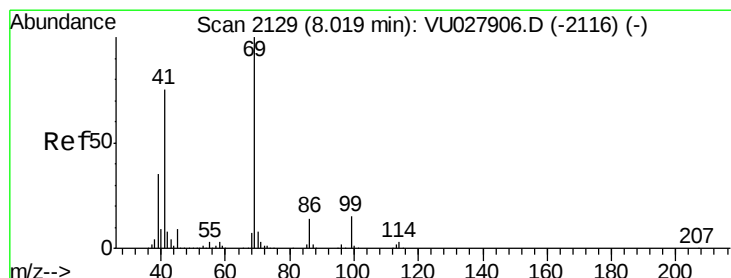
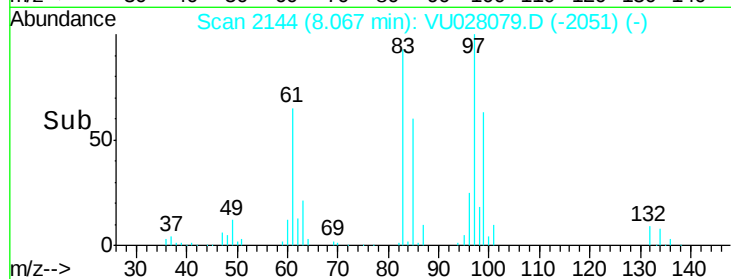
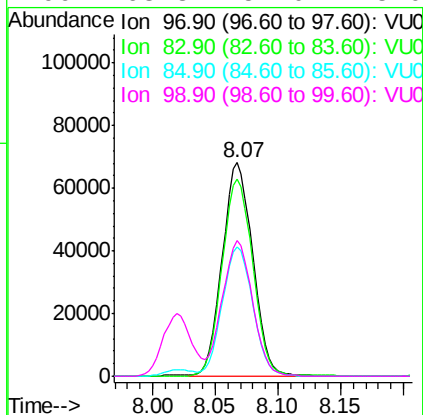
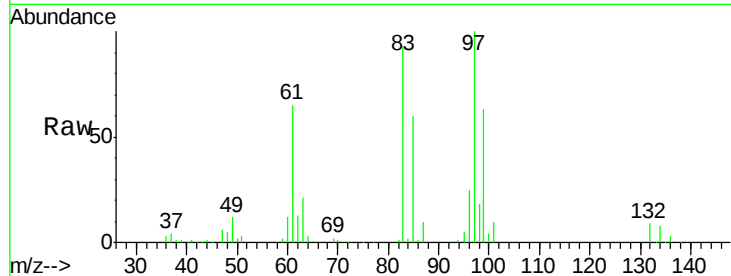
#55
 1,1,2-Trichloroethane
 Concen: 54.586 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	115290		
83	92.4	76.1	114.1	
85	60.5	48.9	73.3	
99	63.3	52.0	78.0	

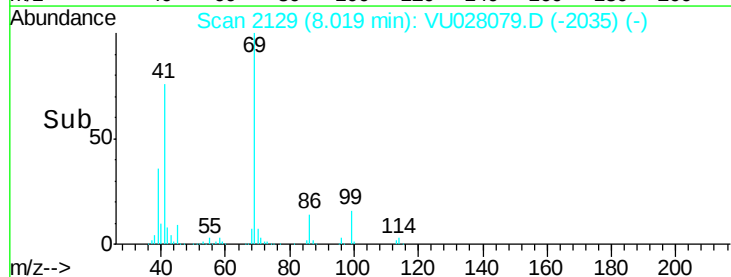
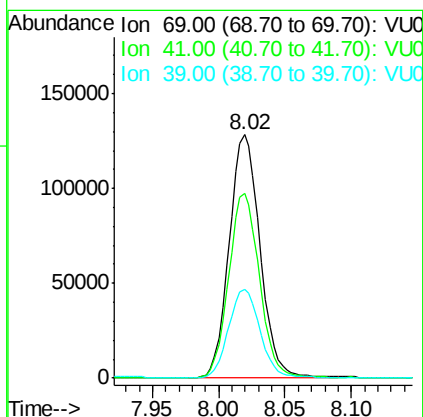
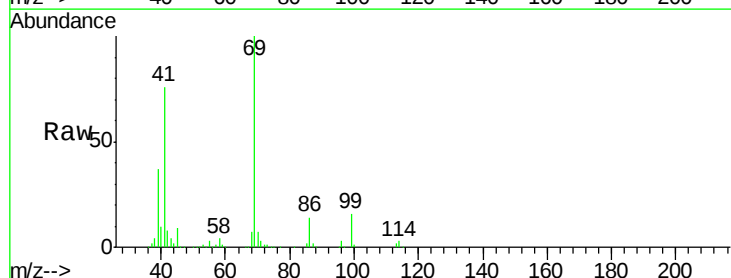
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#56
 Ethyl methacrylate
 Concen: 55.754 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	207662		
41	76.0	59.8	89.6	
39	37.1	28.6	42.8	





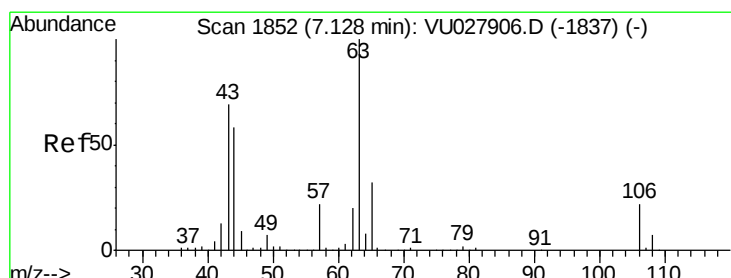
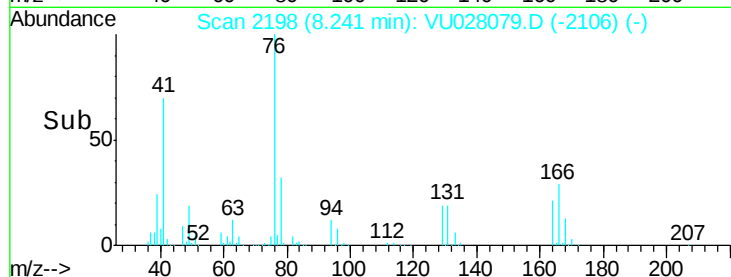
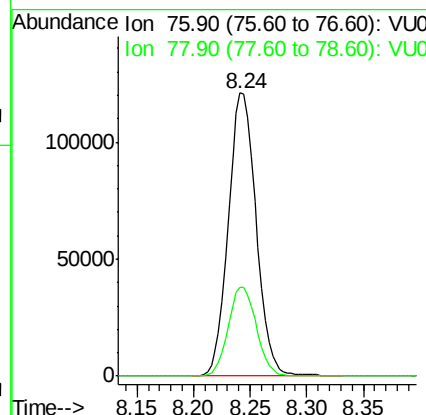
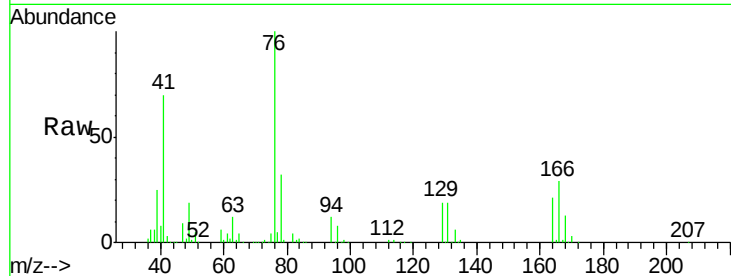
#57
 1,3-Dichloropropane
 Concen: 54.081 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 208069
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.3 37.9

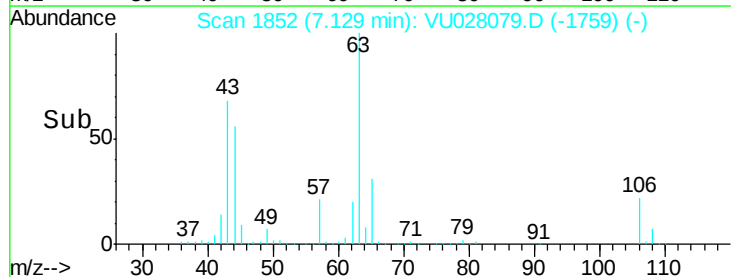
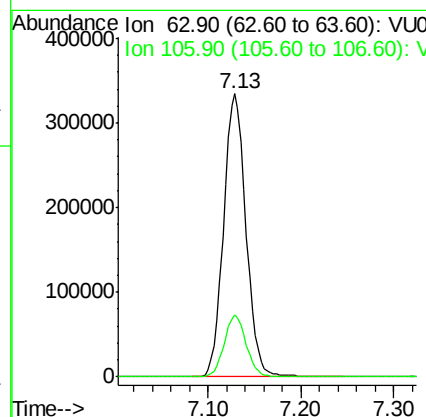
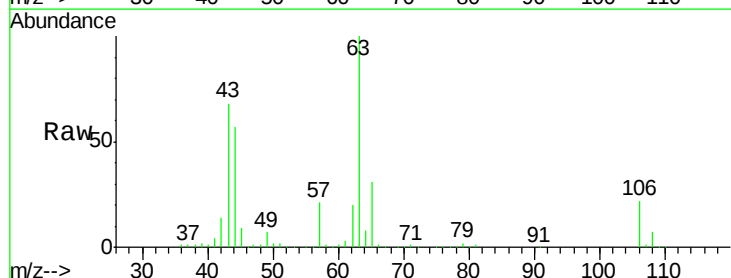
Manual Integrations
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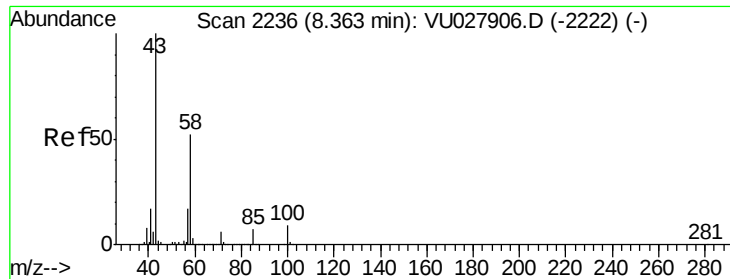
MMDadoda
 11/13/2018 12:12:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 280.722 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 63 Resp: 559988
 Ion Ratio Lower Upper
 63 100
 106 21.5 17.8 26.6





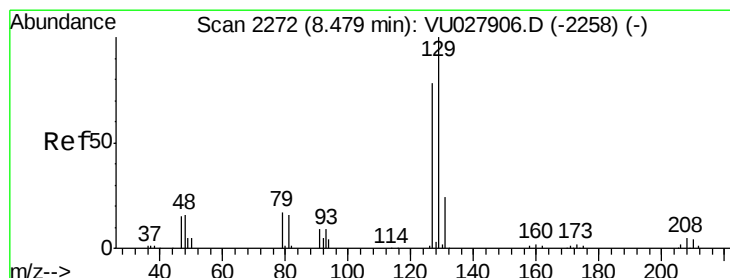
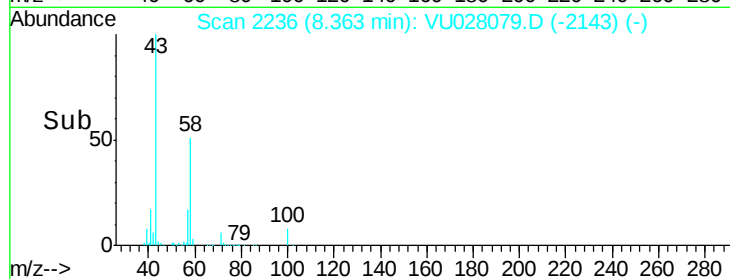
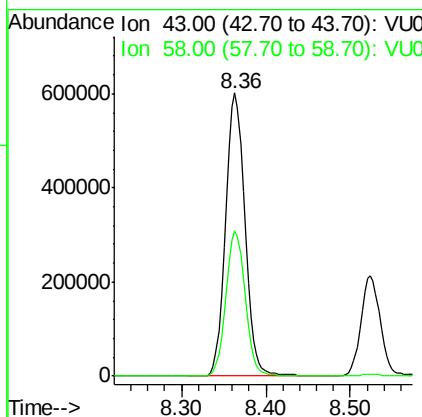
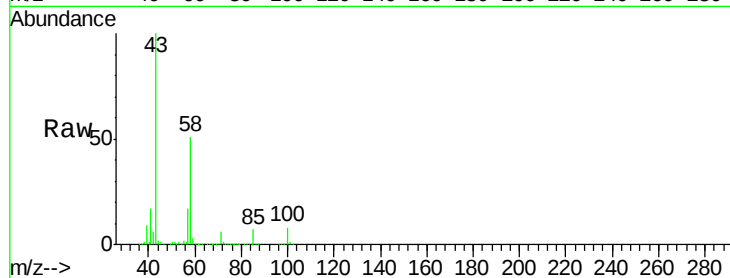
#59
2-Hexanone
Concen: 281.055 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 962503
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

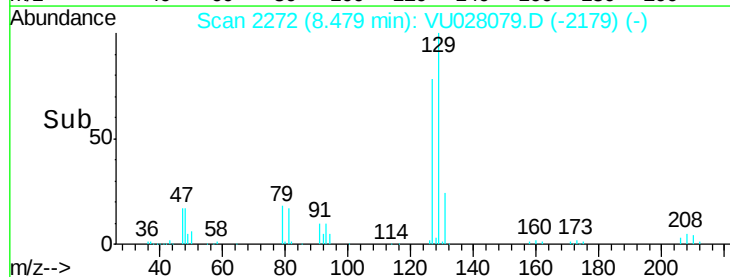
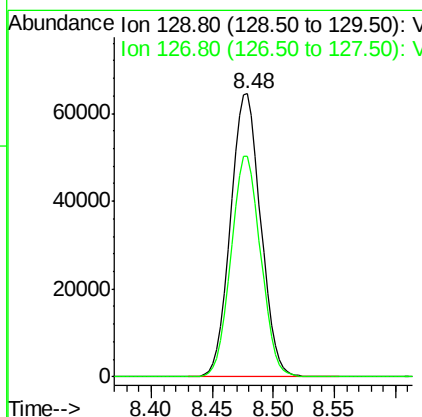
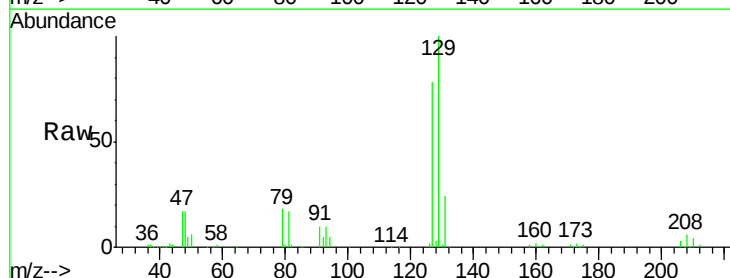
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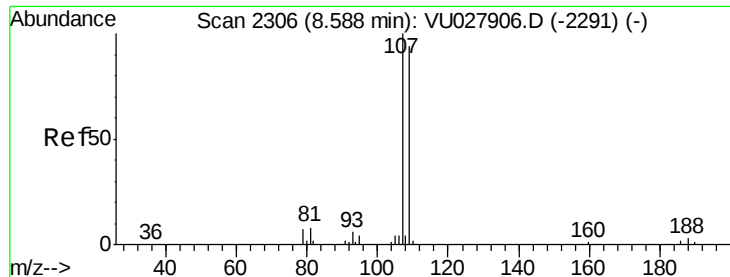
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#60
Dibromochloromethane
Concen: 55.658 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 129 Resp: 111238
Ion Ratio Lower Upper
129 100
127 76.8 39.2 117.6





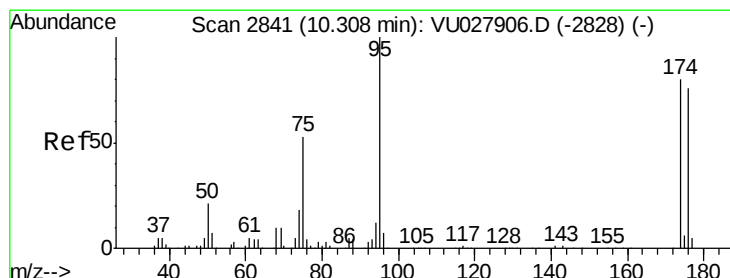
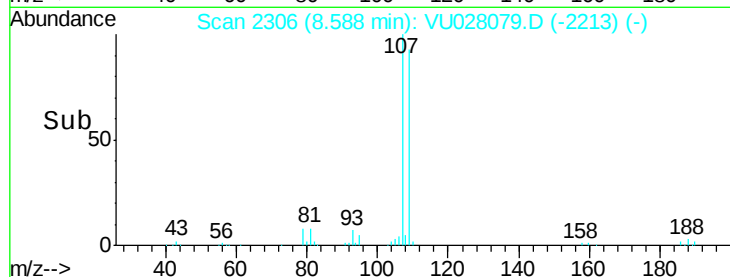
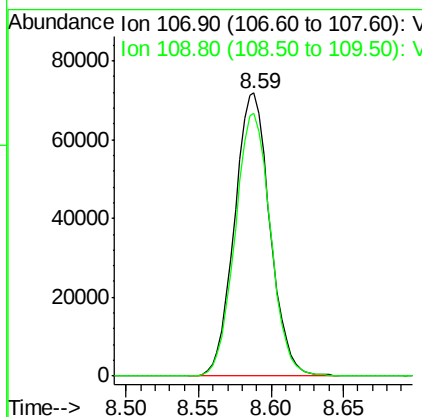
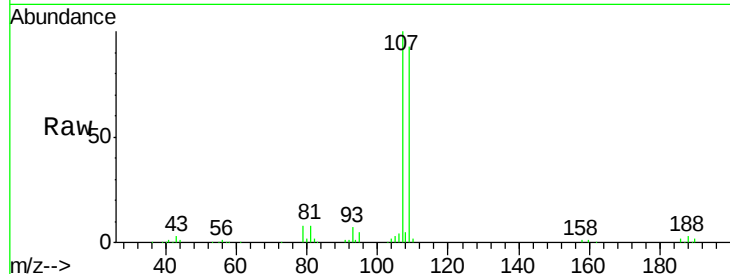
#61
 1,2-Dibromoethane
 Concen: 54.474 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 122251
 Ion Ratio Lower Upper
 107 100
 109 92.9 73.8 110.8

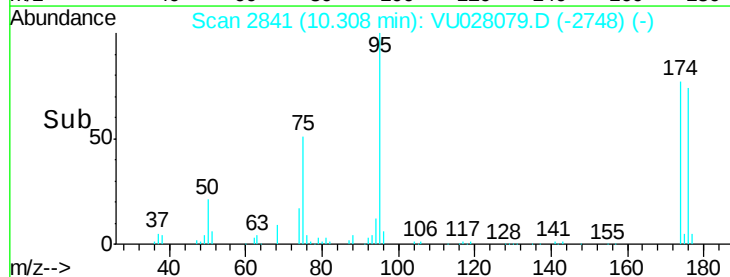
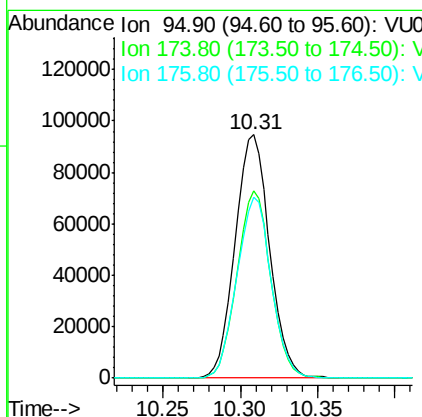
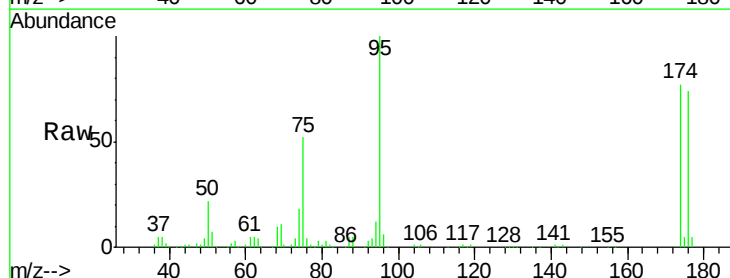
Manual Integrations
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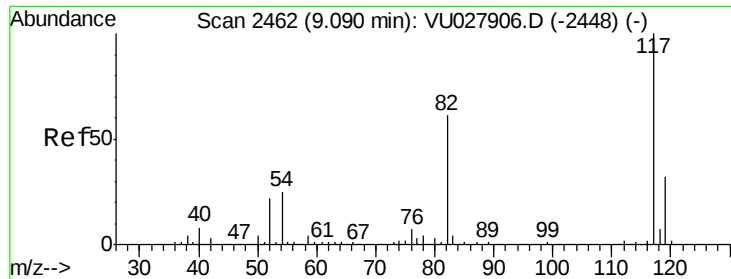
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 59.256 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion: 95 Resp: 146801
 Ion Ratio Lower Upper
 95 100
 174 75.4 0.0 156.4
 176 74.1 0.0 150.8





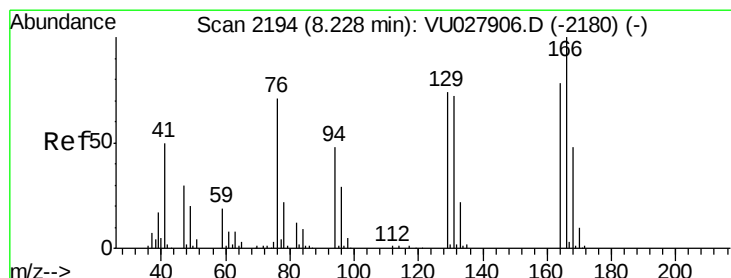
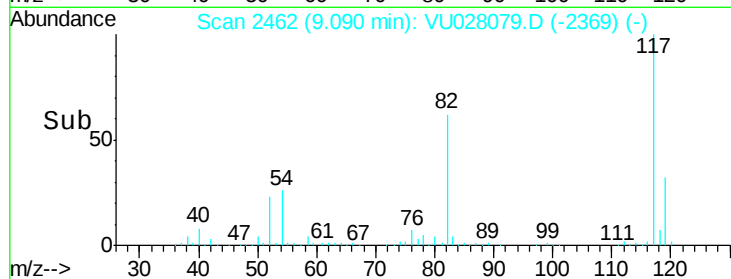
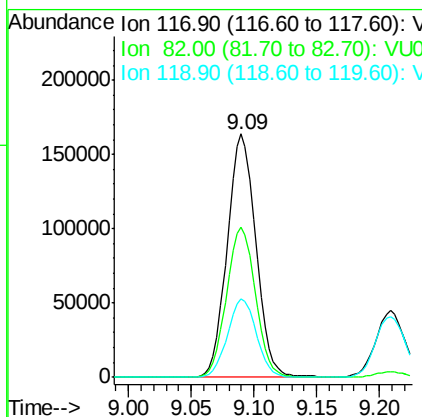
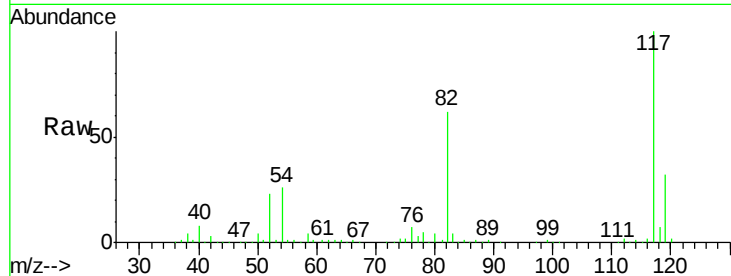
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	259805		
82	61.6	48.6	73.0	
119	32.2	25.8	38.8	

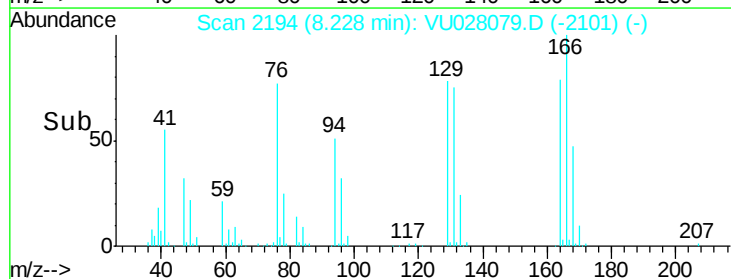
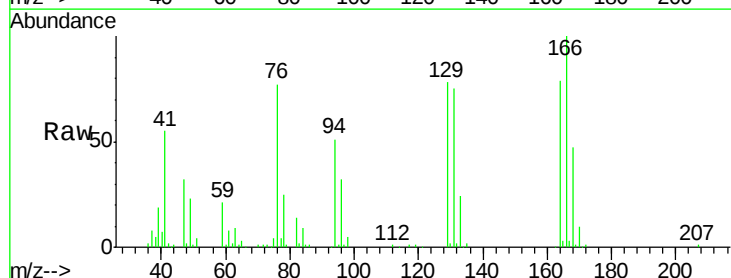
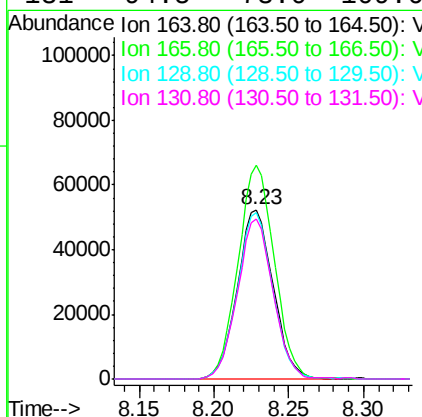
Manual Integrations
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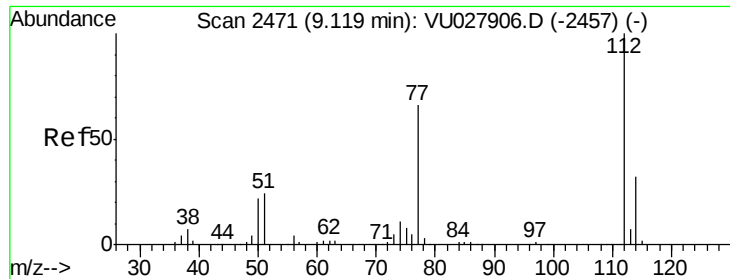
MMDadoda
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#64
Tetrachloroethene
Concen: 51.908 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87446		
166	126.1	102.1	153.1	
129	98.1	75.9	113.9	
131	94.5	73.0	109.6	





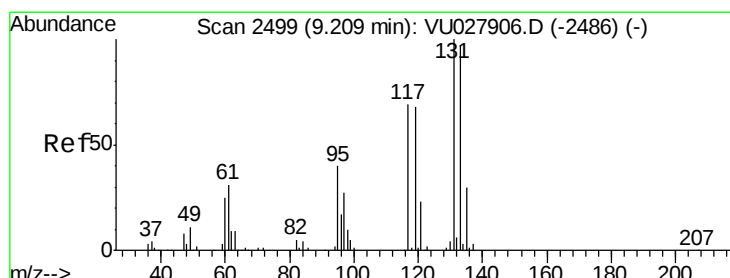
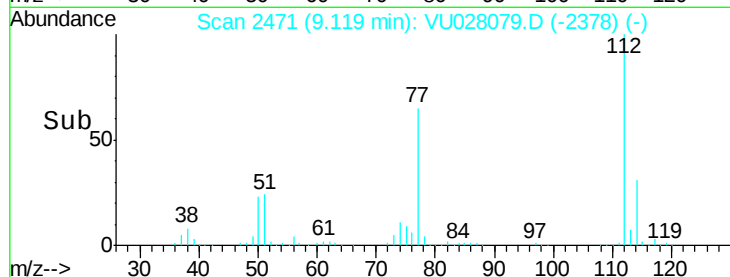
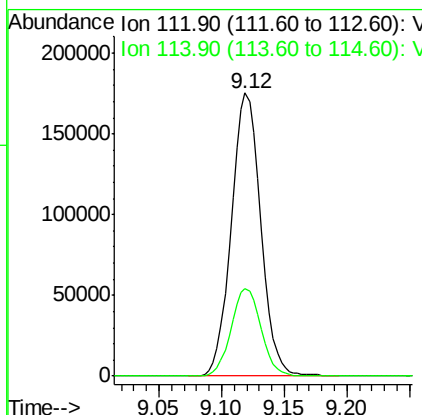
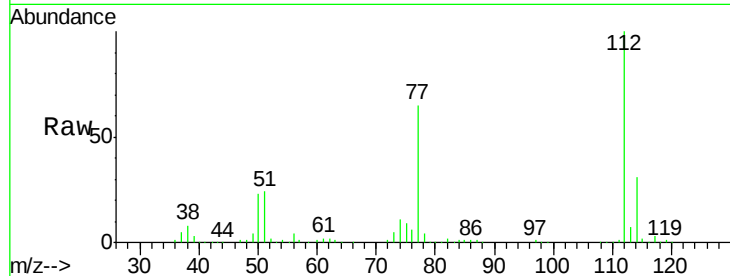
#65
Chlorobenzene
Concen: 52.106 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 286008
Ion Ratio Lower Upper
112 100
114 30.8 25.2 37.8

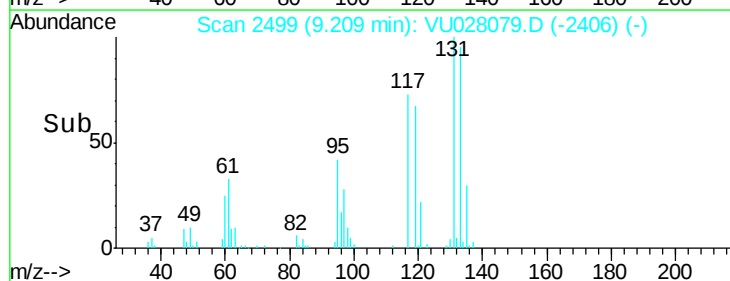
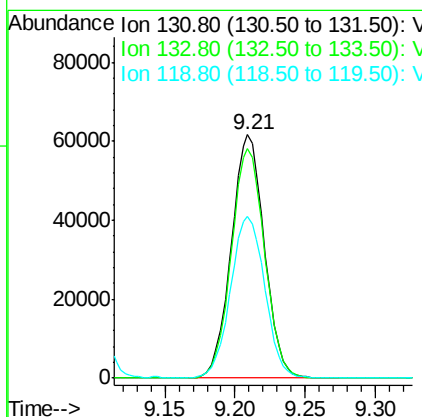
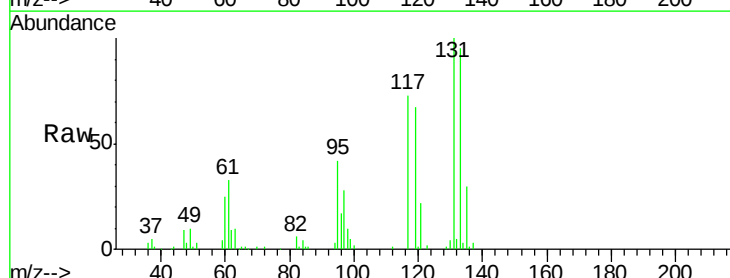
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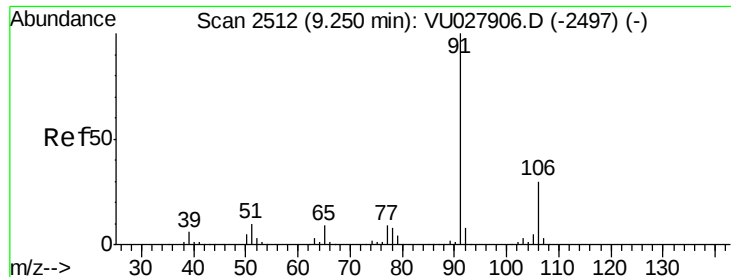
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.844 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:131 Resp: 100949
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 69.0 34.0 101.8





#67

Ethyl Benzene

Concen: 53.166 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 537153

Ion Ratio Lower Upper

91 100

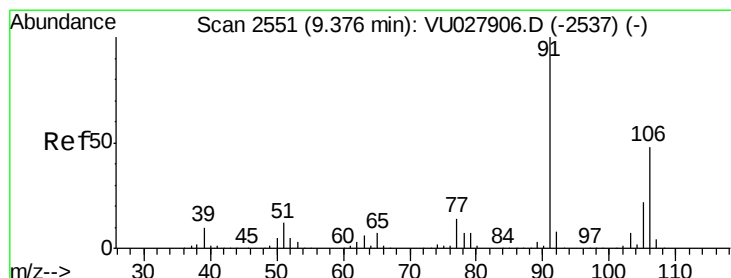
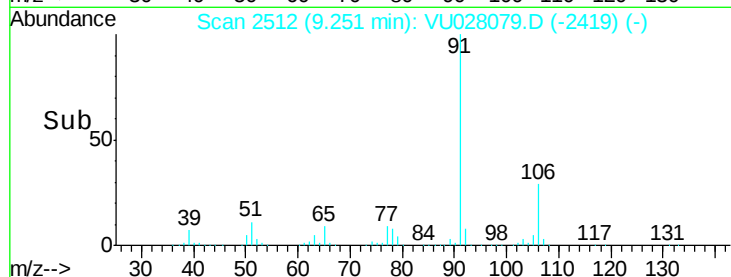
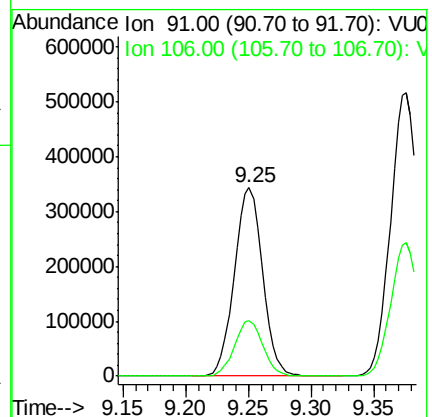
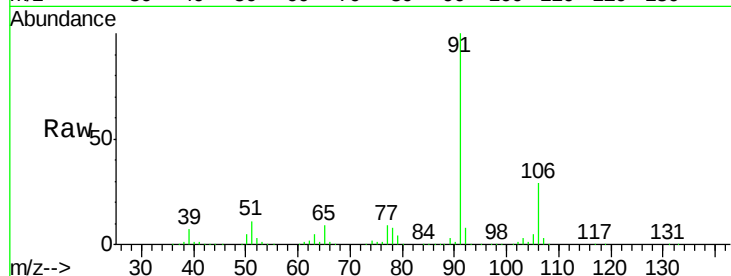
106 29.4 23.6 35.4

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#68

m/p-Xylenes

Concen: 107.132 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028079.D

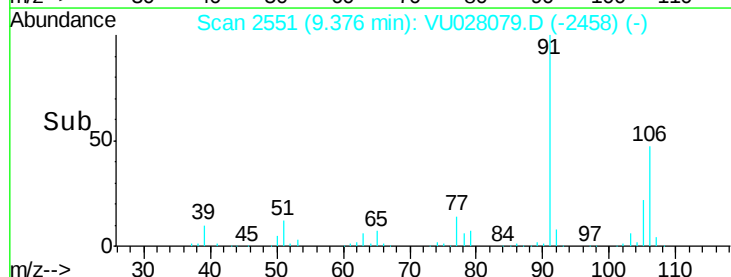
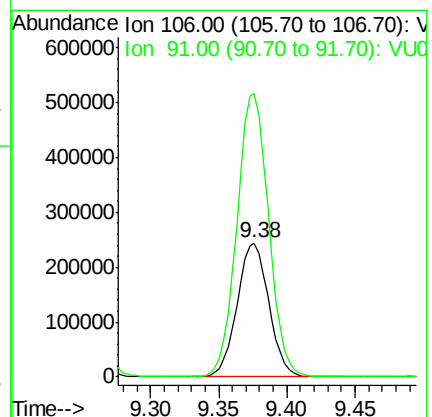
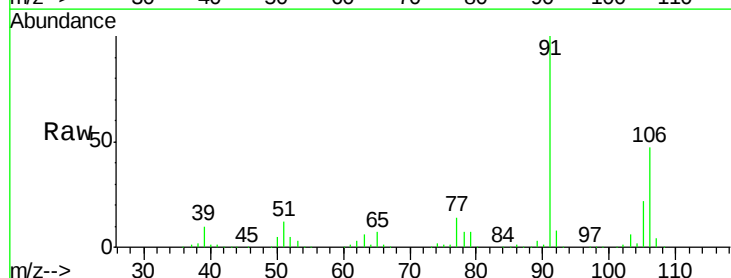
Acq: 12 Nov 2018 20:58

Tgt Ion: 106 Resp: 392738

Ion Ratio Lower Upper

106 100

91 212.5 168.2 252.4





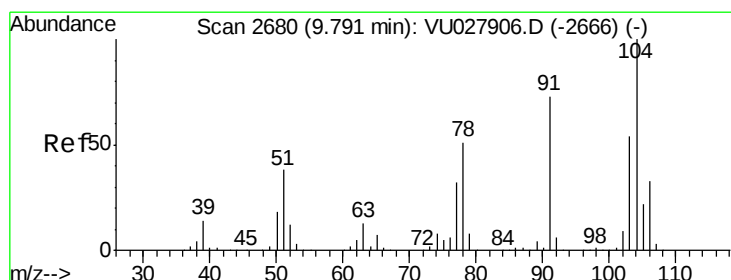
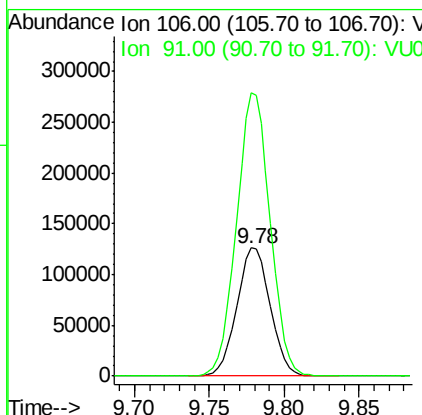
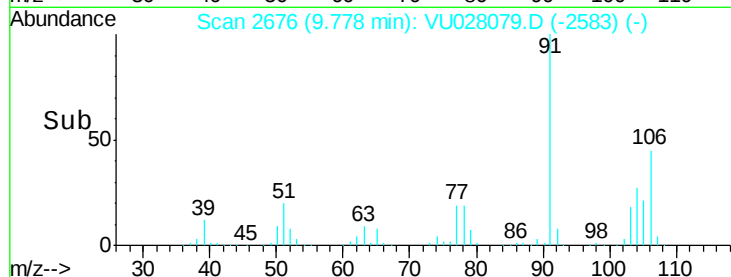
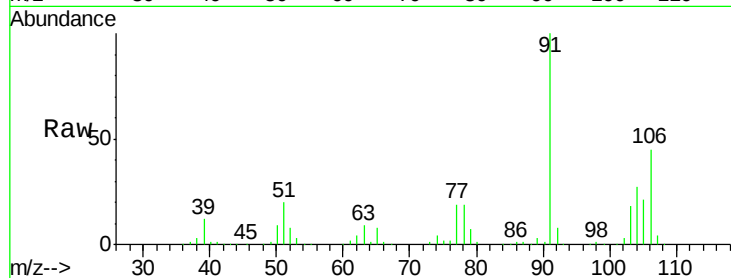
#69
o-Xylene
Concen: 53.194 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 196914
Ion Ratio Lower Upper
106 100
91 221.1 111.1 333.4

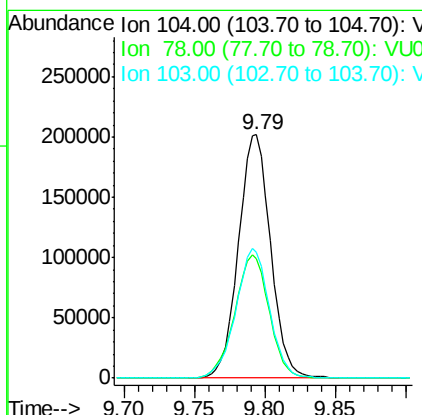
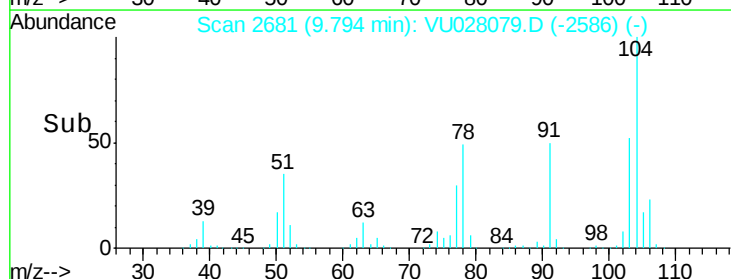
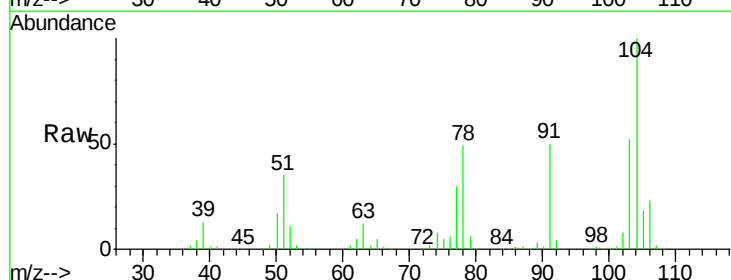
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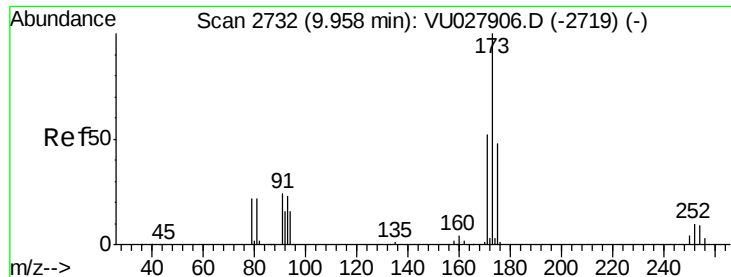
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#70
Styrene
Concen: 54.526 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion:104 Resp: 322514
Ion Ratio Lower Upper
104 100
78 54.2 43.0 64.4
103 55.6 45.1 67.7





#71

Bromoform

Concen: 54.577 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

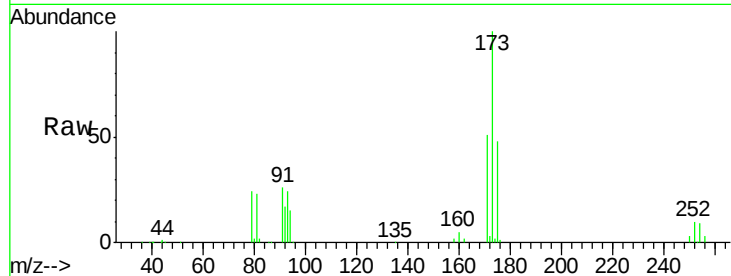
ClientSampleId :

VSTDCCC050EC

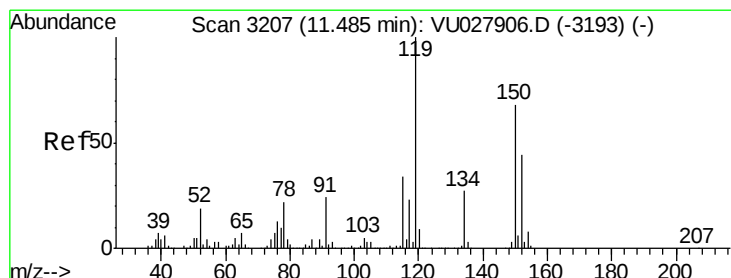
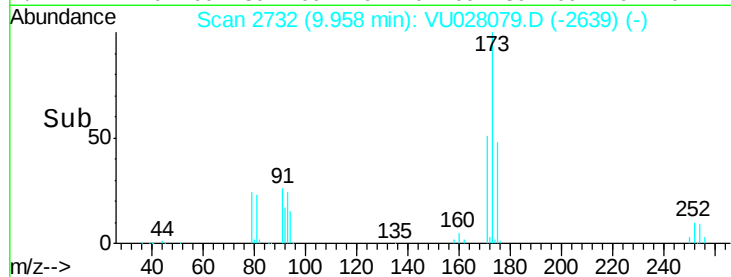
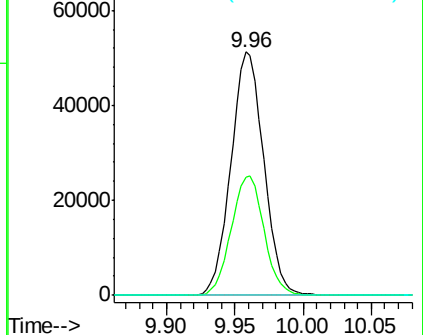
Tgt Ion:	173	Resp:	85754
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.3	72.8
254	0.0	0.0	0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

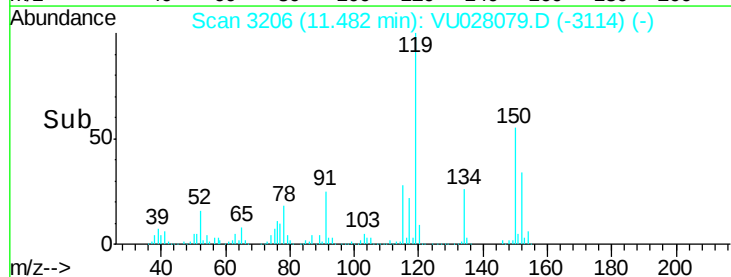
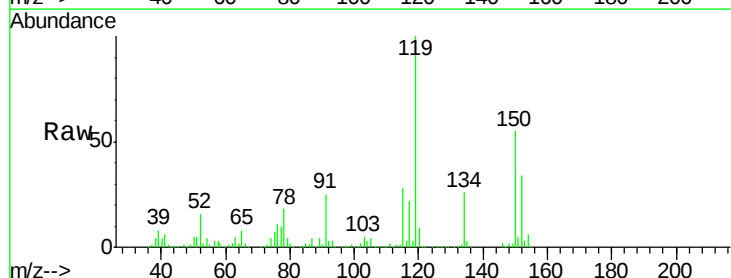
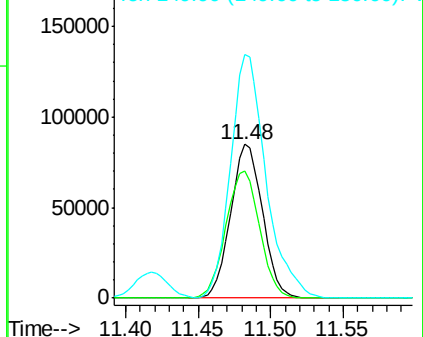
Delta R.T. -0.00 min

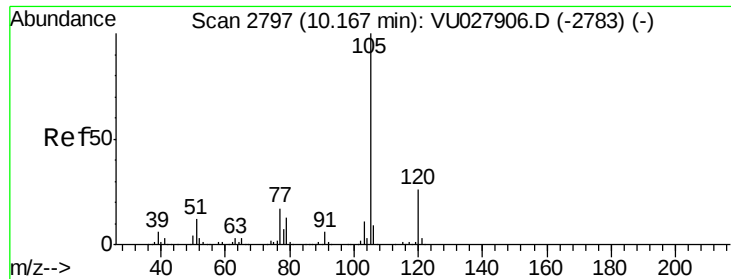
Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion:	152	Resp:	129601
Ion Ratio	Lower	Upper	
152	100		
115	87.3	43.0	129.0
150	176.3	0.0	349.4

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.084 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 522927

Ion Ratio Lower Upper

105 100

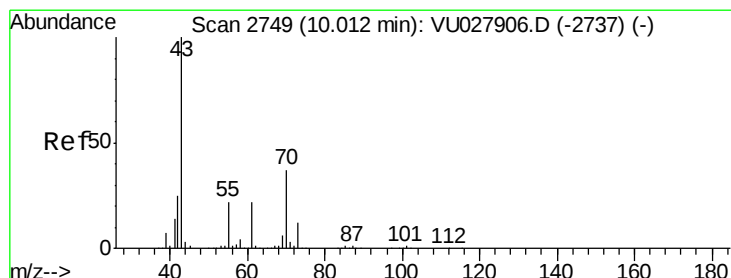
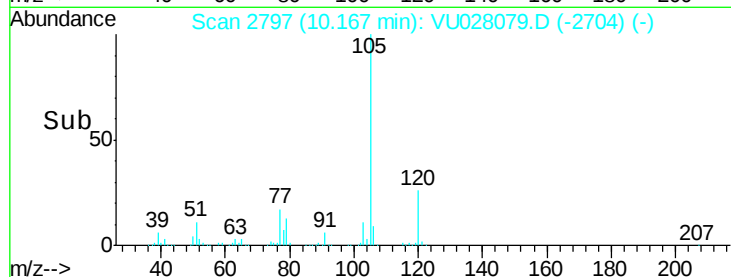
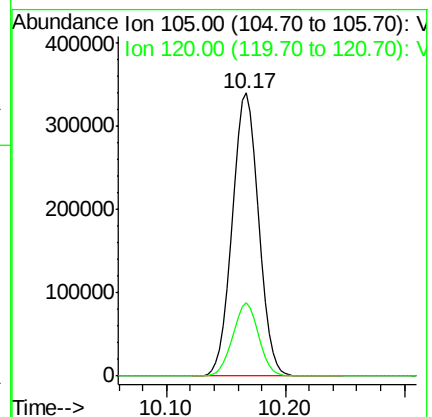
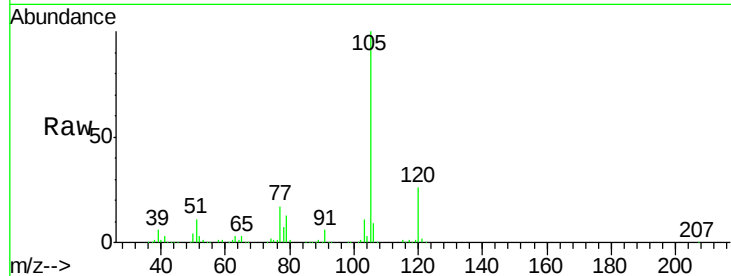
120 25.4 12.7 38.0

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#74

N-ethyl acetate

Concen: 55.852 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion: 43 Resp: 339082

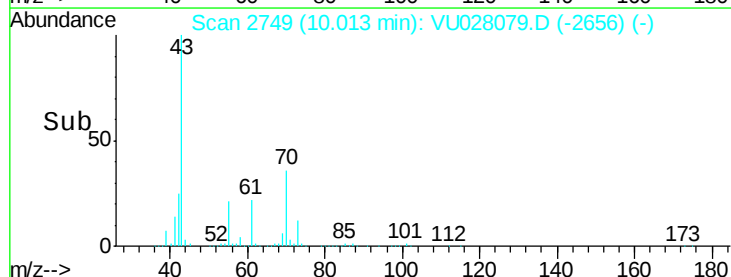
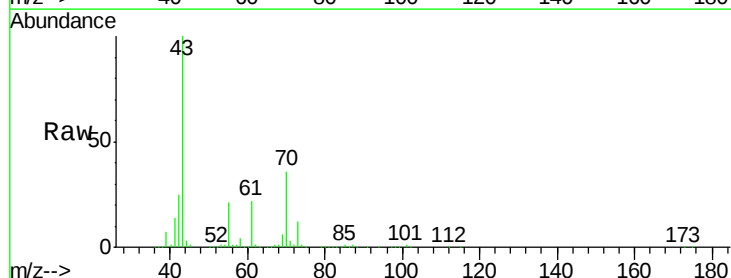
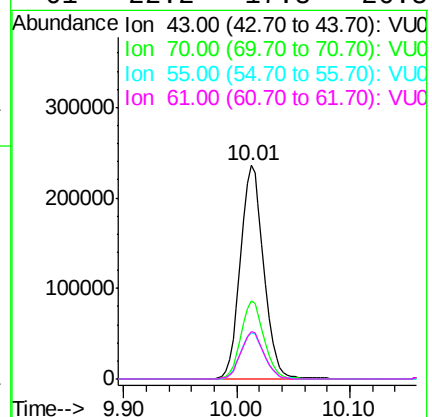
Ion Ratio Lower Upper

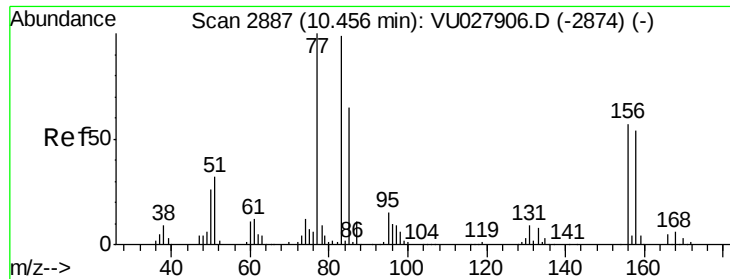
43 100

70 36.1 29.2 43.8

55 22.1 17.8 26.6

61 22.2 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 53.412 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 216311

Ion Ratio Lower Upper

83 100

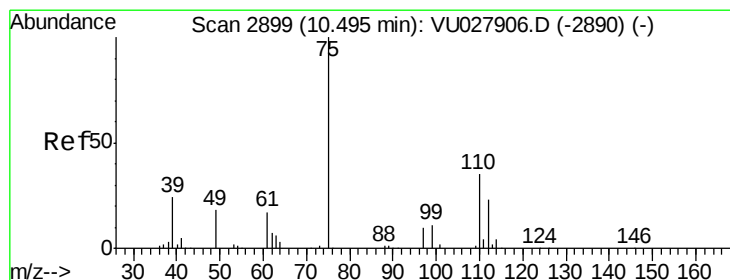
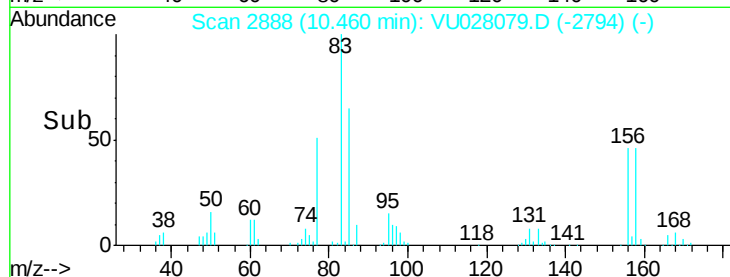
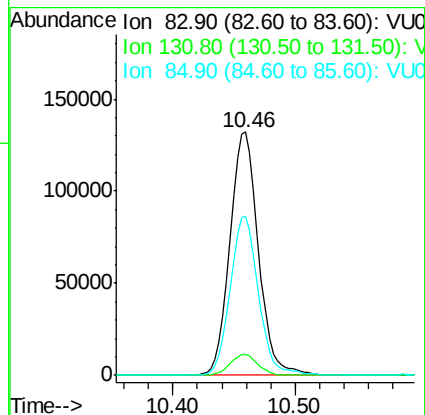
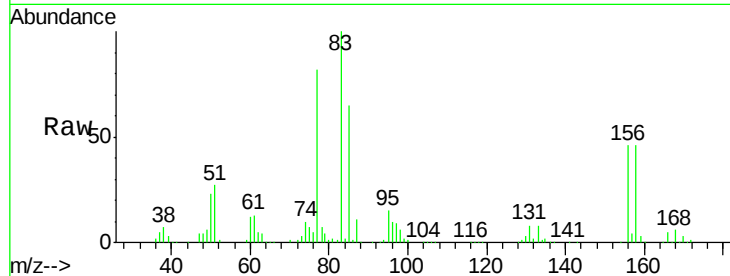
131 8.2 4.3 13.1

85 64.8 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 51.197 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU028079.D

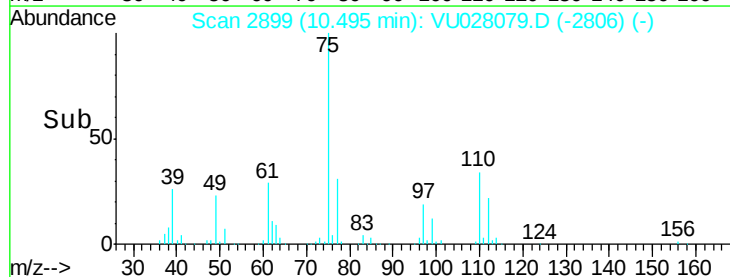
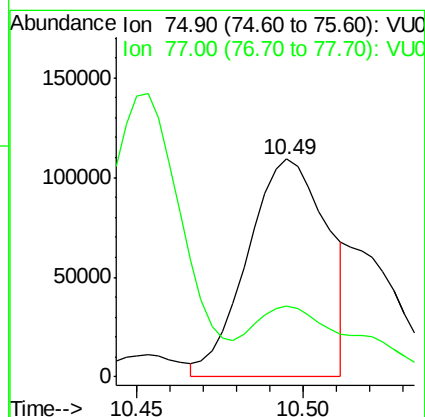
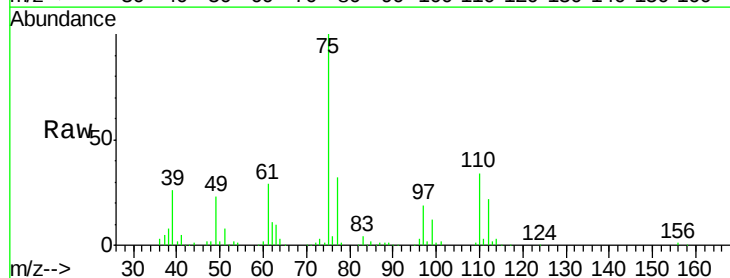
Acq: 12 Nov 2018 20:58

Tgt Ion: 75 Resp: 181493

Ion Ratio Lower Upper

75 100

77 43.4 21.6 64.6





#77

Bromobenzene

Concen: 52.897 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

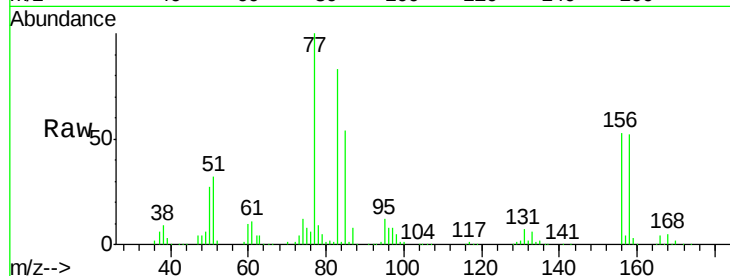
ClientSampleId :

VSTDCCC050EC

Tgt	Ion	156	Resp:	121779
Ion	Ratio	Lower	Upper	
156	100			
77	187.6	91.8	275.6	
158	97.6	48.4	145.2	

Manual Integrations
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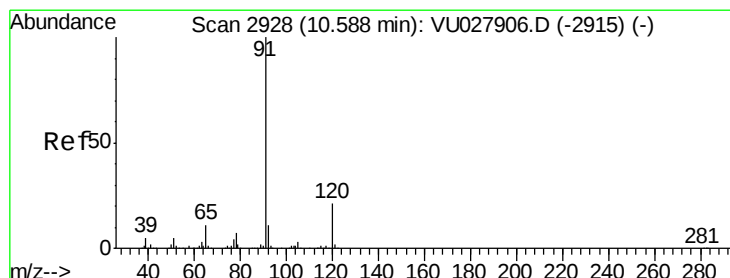
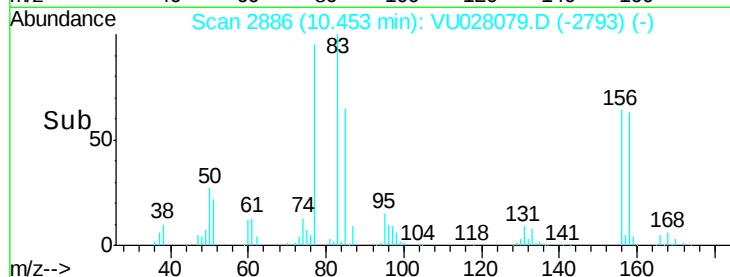
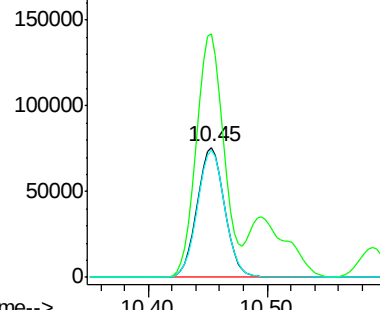
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.291 ug/l

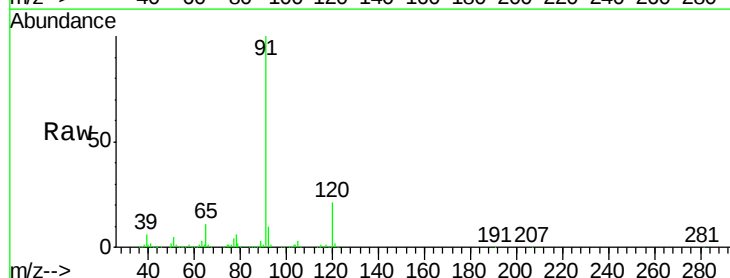
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028079.D

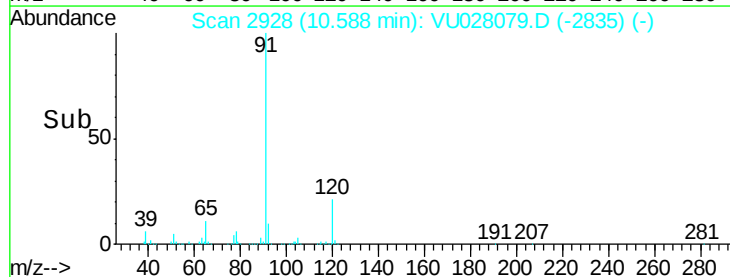
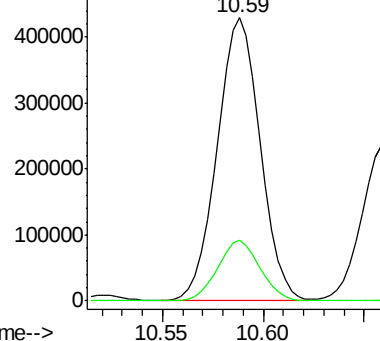
Acq: 12 Nov 2018 20:58

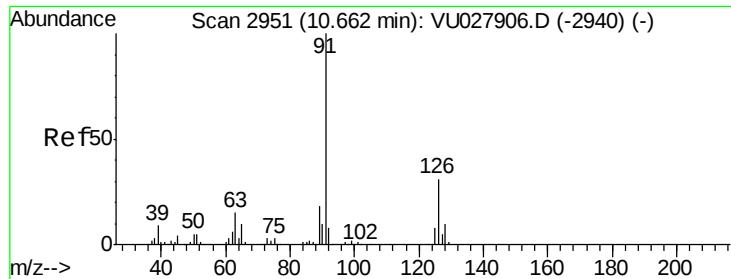
Tgt	Ion	91	Resp:	640441
Ion	Ratio	Lower	Upper	
91	100			
120	21.1	10.6	31.8	



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.487 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 378093

Ion Ratio Lower Upper

91 100

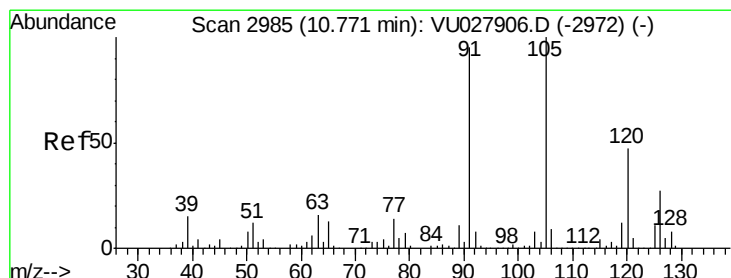
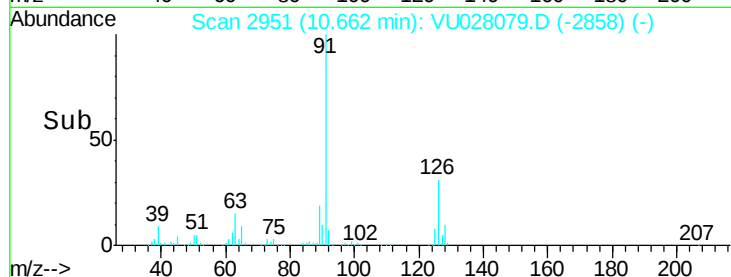
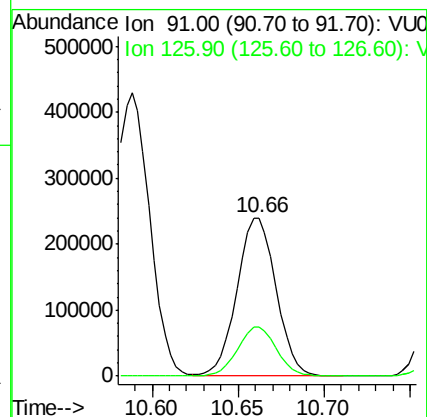
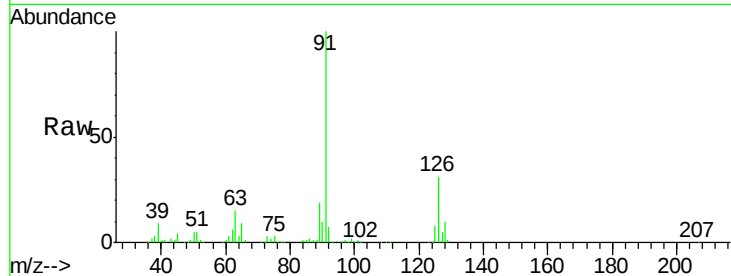
126 31.1 16.0 47.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.965 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028079.D

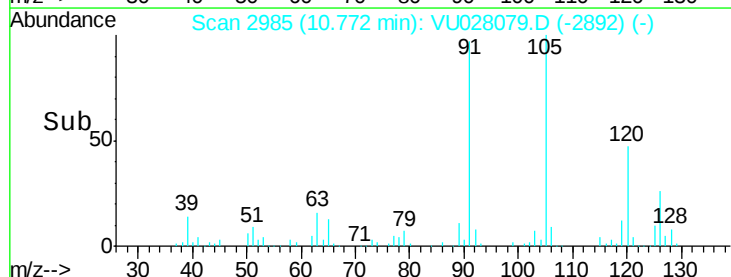
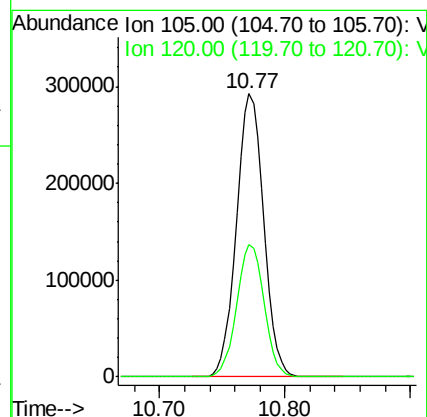
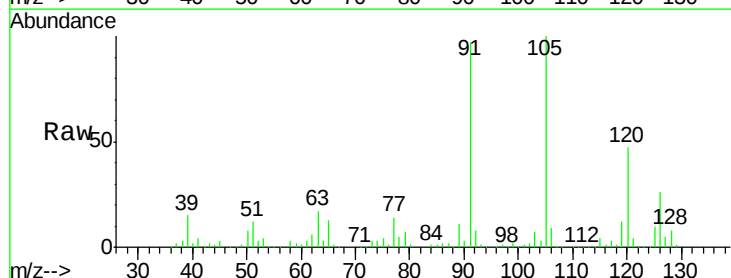
Acq: 12 Nov 2018 20:58

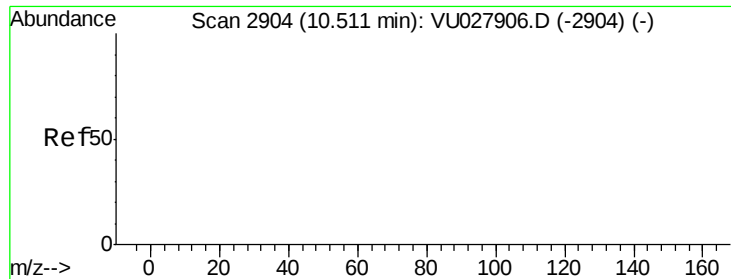
Tgt Ion: 105 Resp: 440518

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.666 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Instrument :

MSVOA_U

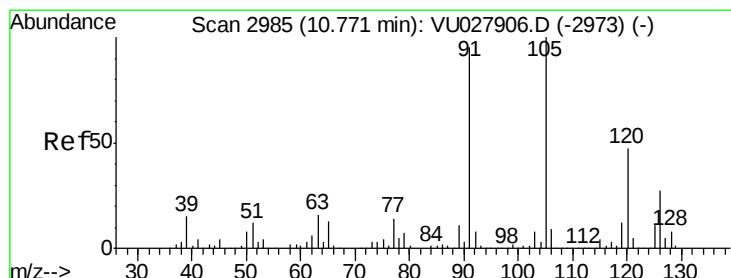
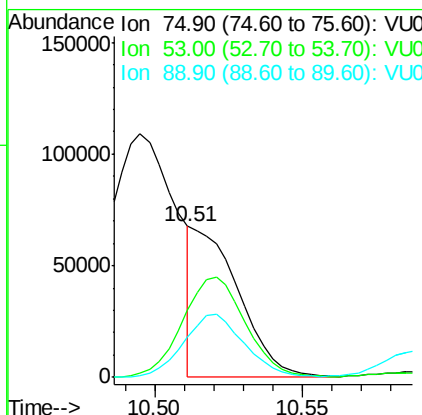
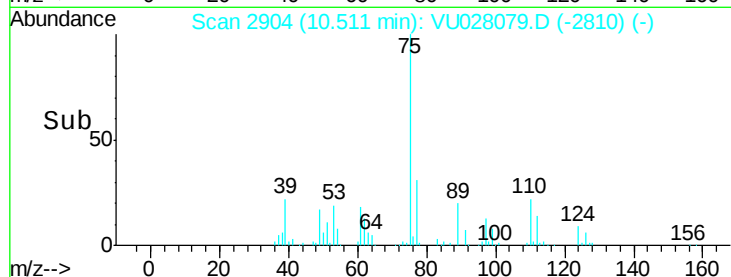
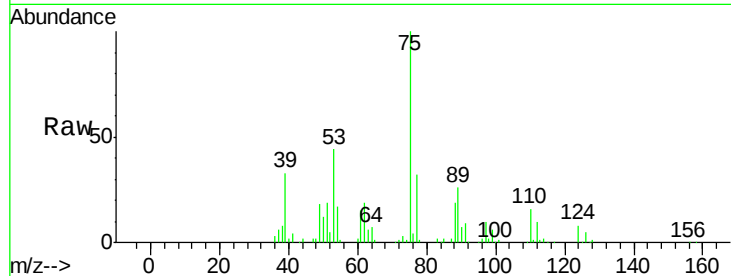
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	71941
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.704 ug/l

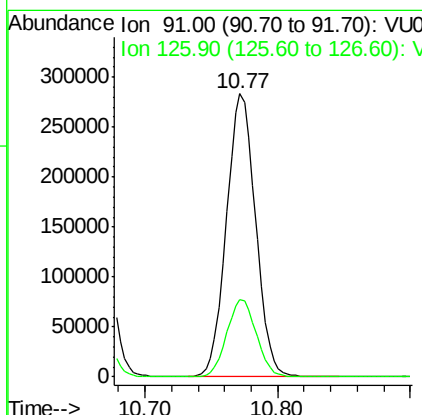
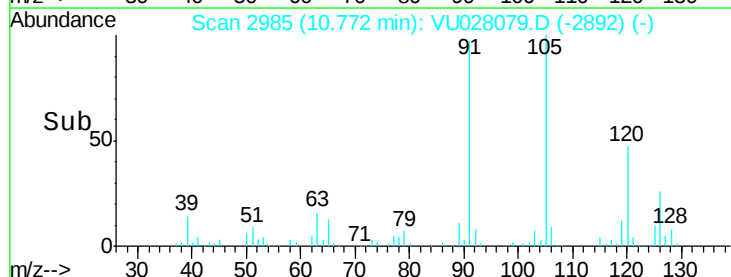
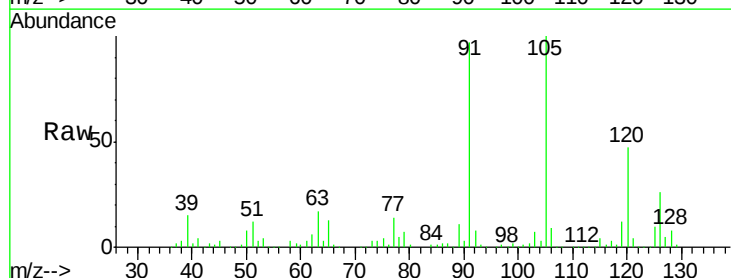
RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028079.D

Acq: 12 Nov 2018 20:58

Tgt Ion:	91	Resp:	431017
Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.2	42.6





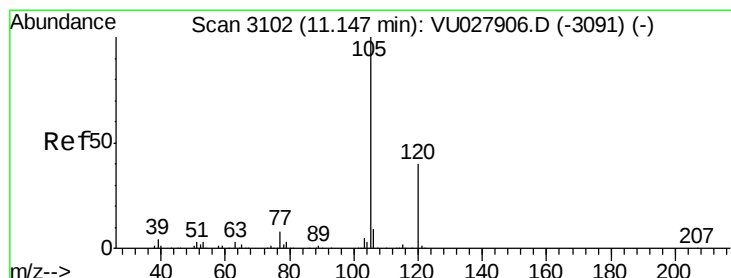
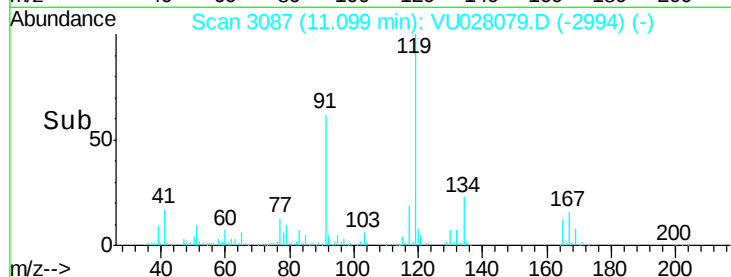
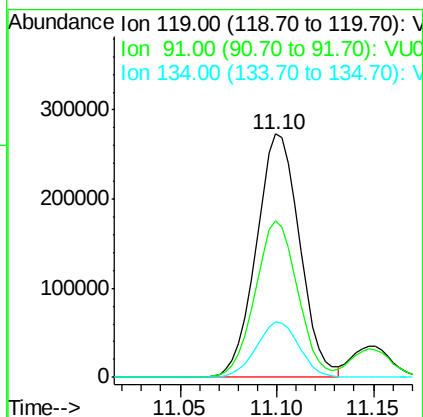
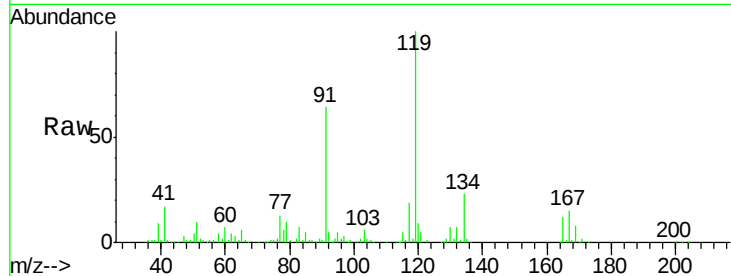
#83
tert-Butylbenzene
Concen: 51.303 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	426567		
91	62.9	29.8	89.3	
134	22.4	11.1	33.1	

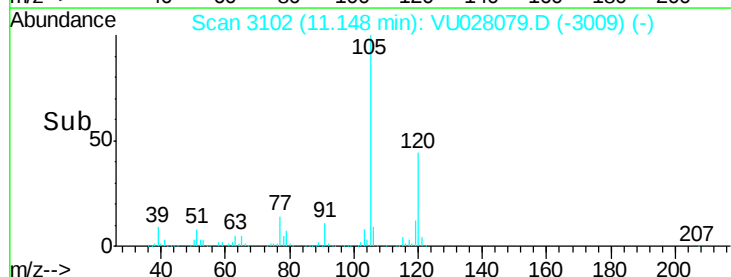
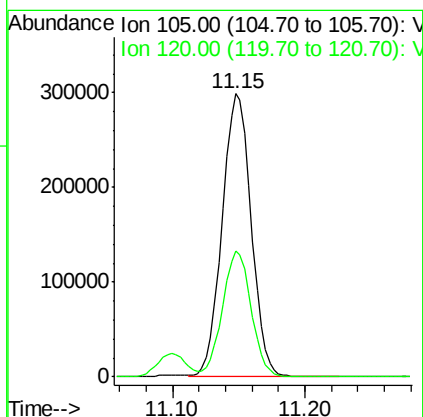
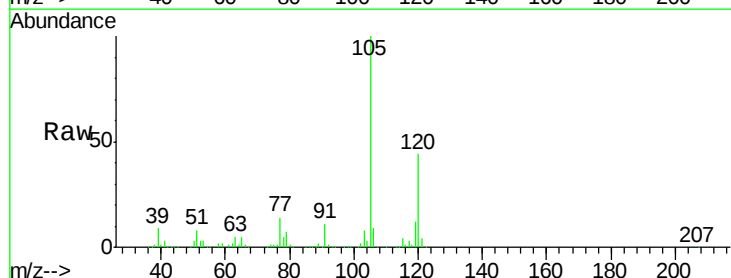
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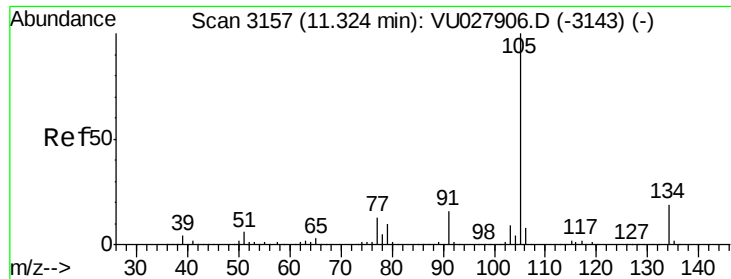
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#84
1,2,4-Trimethylbenzene
Concen: 54.204 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	453953		
120	44.1	22.1	66.1	





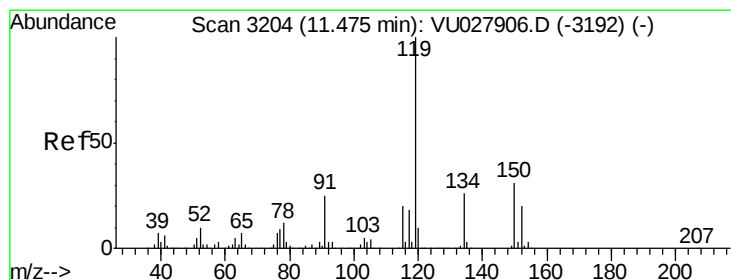
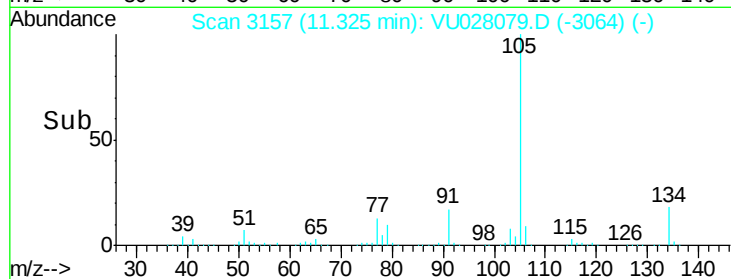
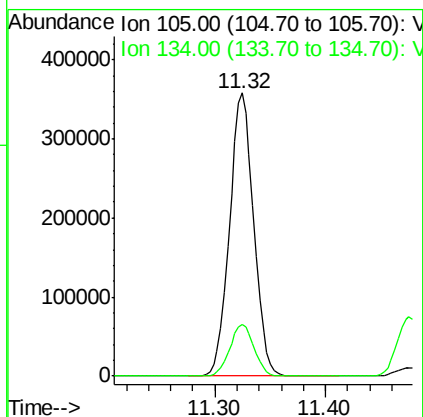
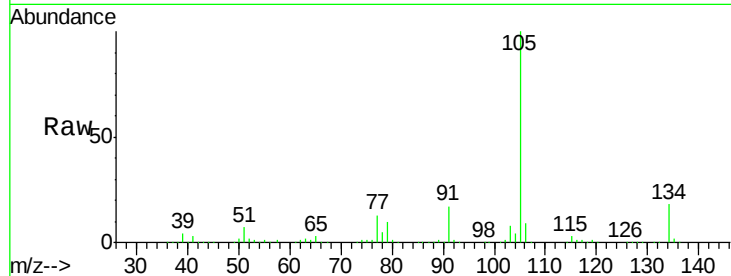
#85
 sec-Butylbenzene
 Concen: 53.505 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 541037
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.2 27.6

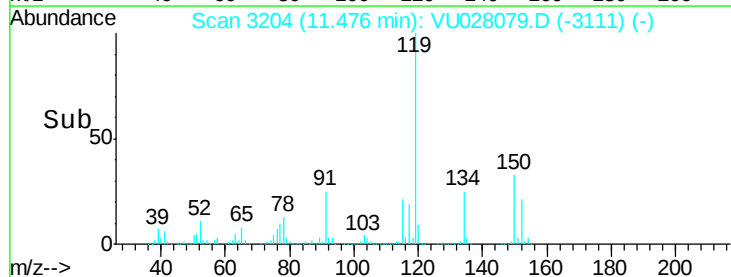
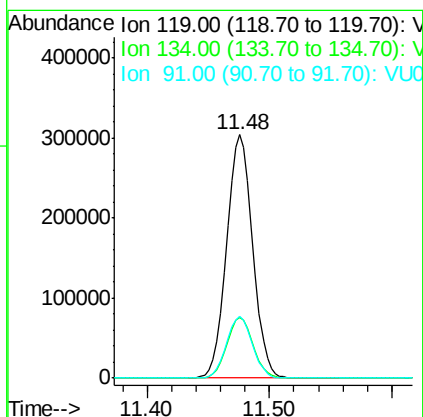
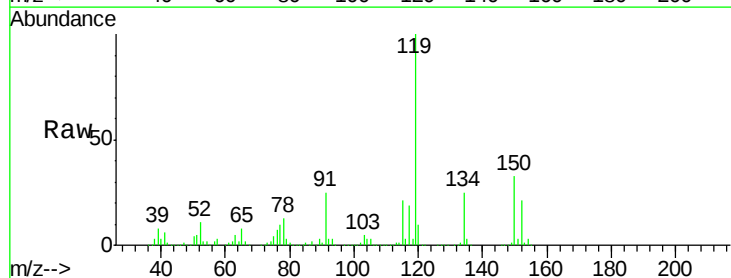
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 53.699 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion:119 Resp: 453941
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.9 38.7
 91 25.5 12.4 37.2





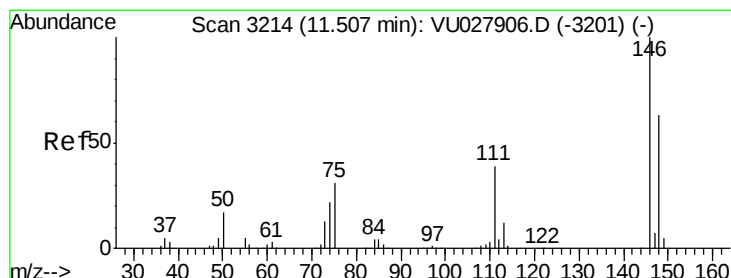
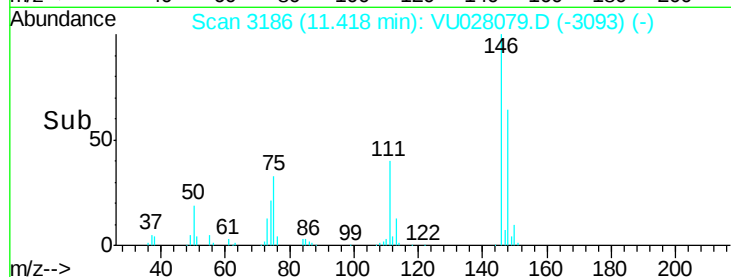
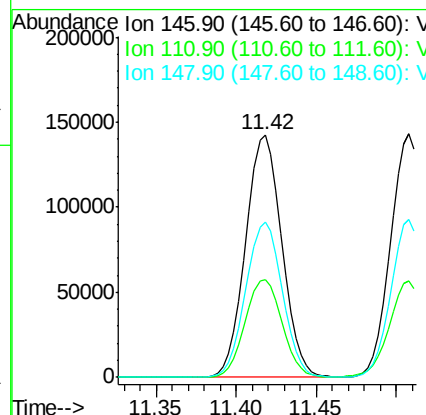
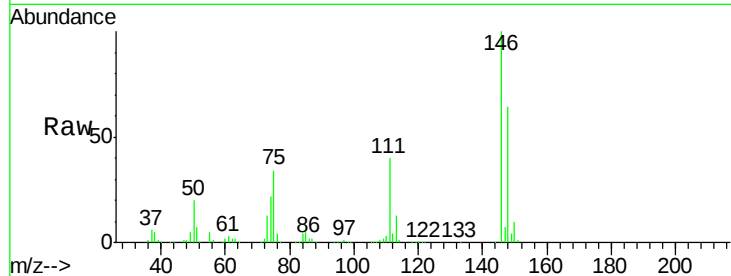
#87
1,3-Dichlorobenzene
Concen: 51.782 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220220		
111	41.1	20.3	61.0	
148	64.7	31.8	95.4	

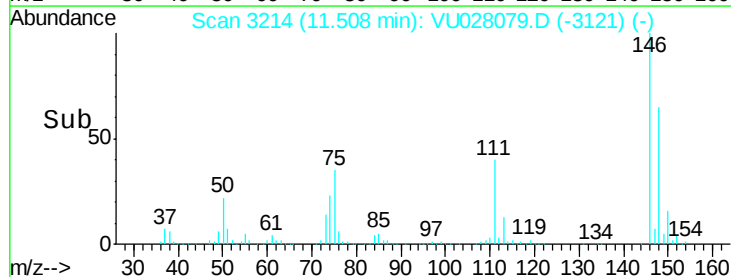
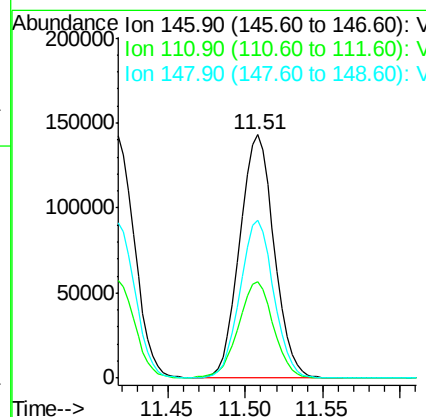
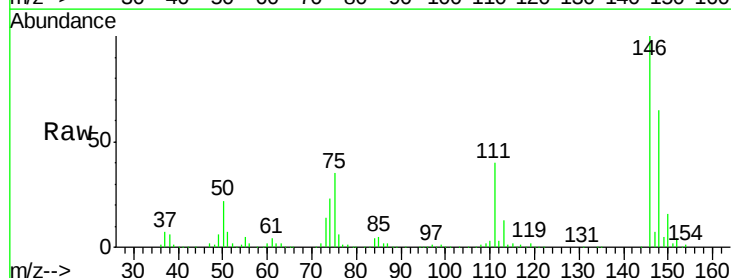
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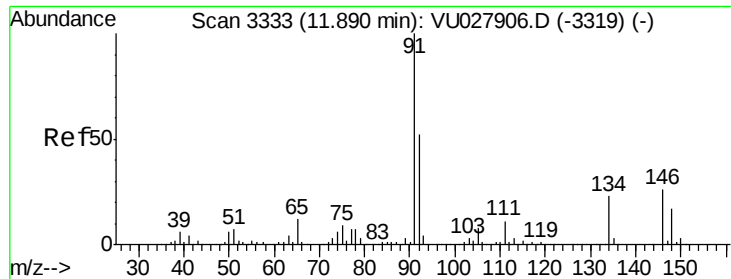
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#88
1,4-Dichlorobenzene
Concen: 50.643 ug/l
RT: 11.51 min Scan# 3214
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	220753		
111	40.5	20.3	60.9	
148	63.6	32.0	96.2	





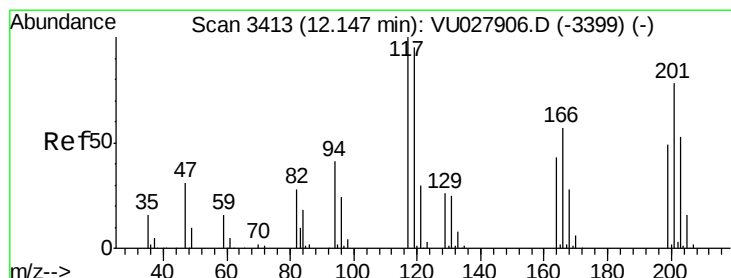
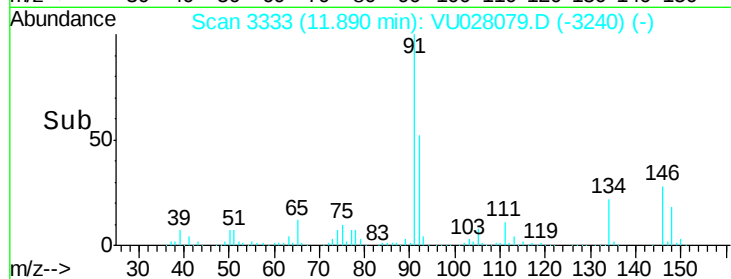
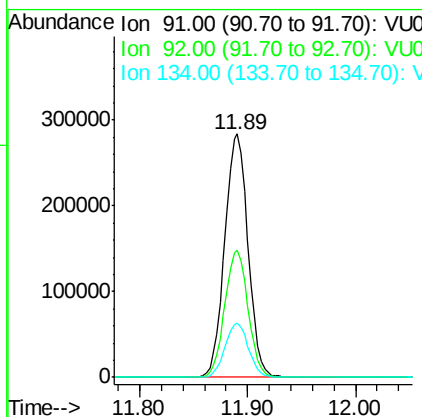
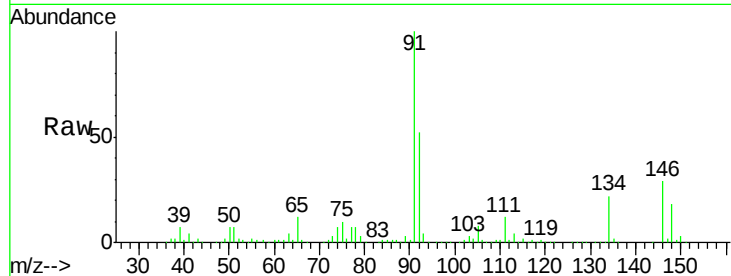
#89
n-Butylbenzene
Concen: 53.033 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 426057
Ion Ratio Lower Upper
91 100
92 52.2 26.2 78.5
134 22.3 11.5 34.5

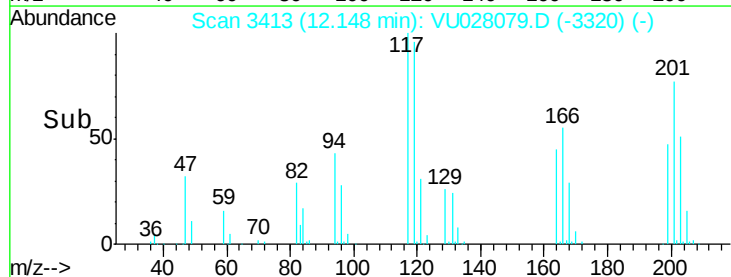
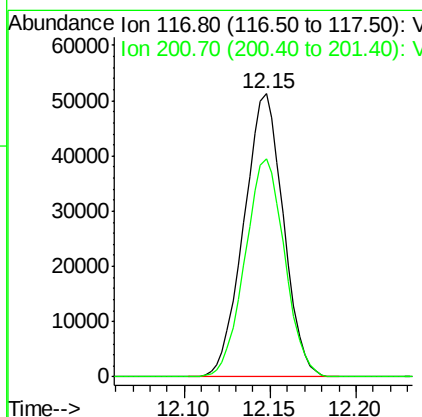
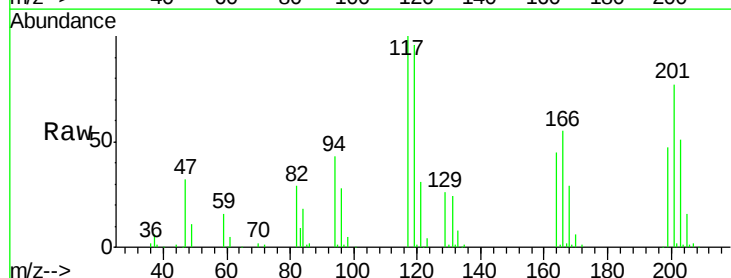
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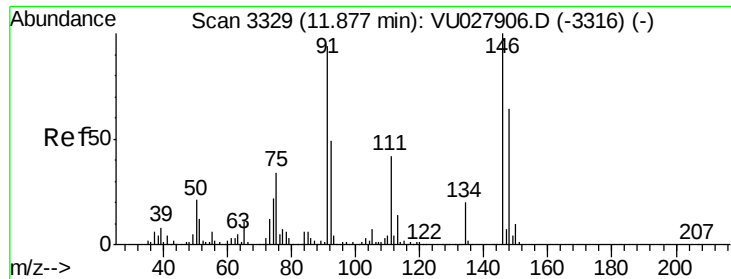
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#90
Hexachloroethane
Concen: 54.362 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion: 117 Resp: 81816
Ion Ratio Lower Upper
117 100
201 77.2 38.5 115.5





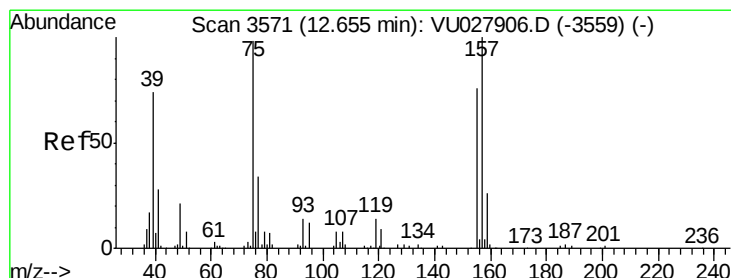
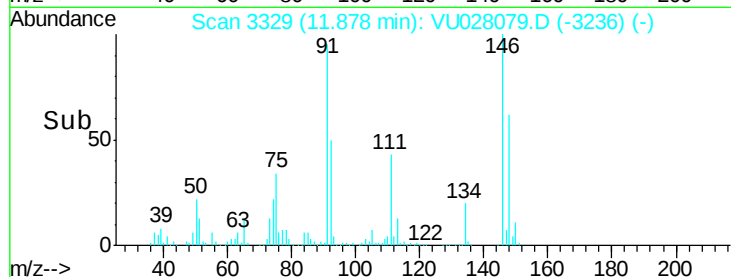
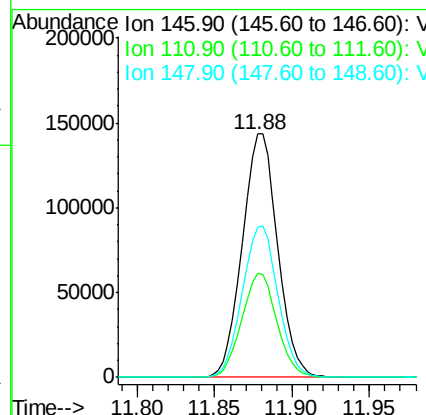
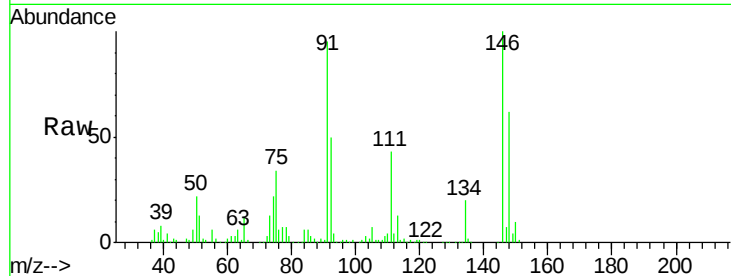
#91
1,2-Dichlorobenzene
Concen: 53.383 ug/l
RT: 11.88 min Scan# 3329
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	228307		
111	42.5	21.3	64.0	
148	62.7	31.8	95.3	

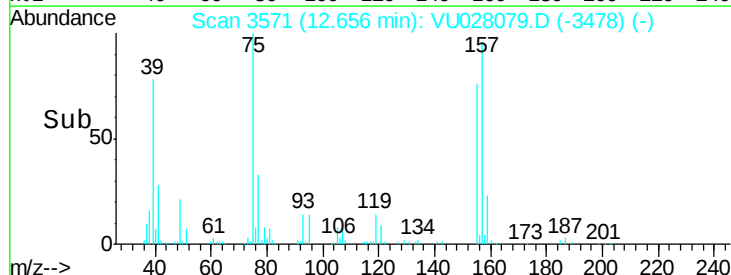
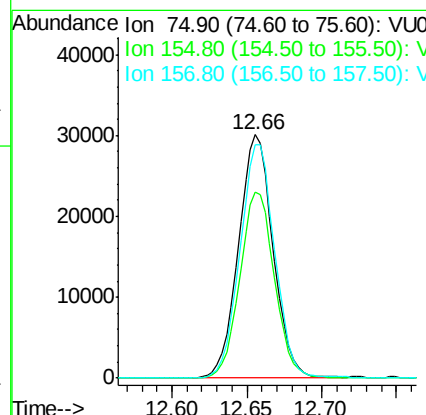
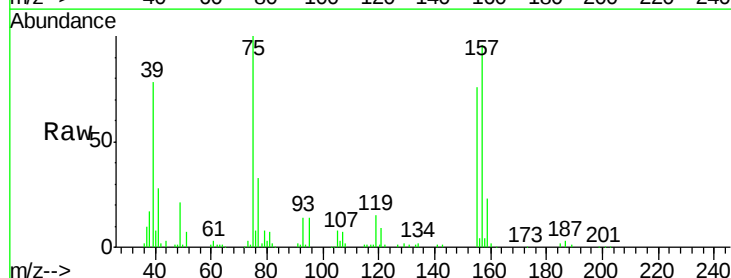
Manual Integrations
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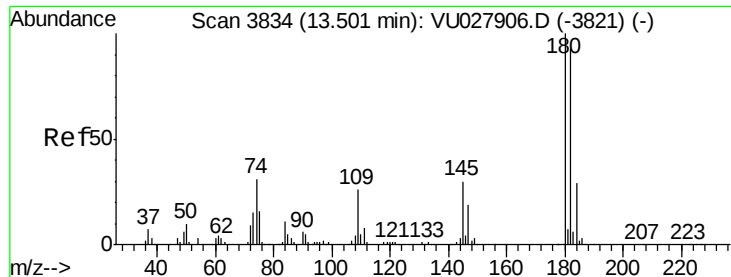
MMDadoda
11/13/2018 12:12:56 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 56.702 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48387		
155	76.3	39.8	119.3	
157	96.2	50.6	151.9	





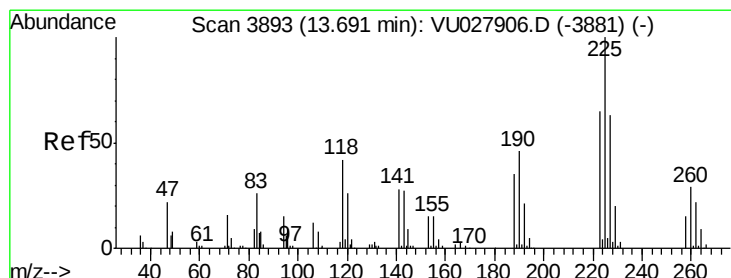
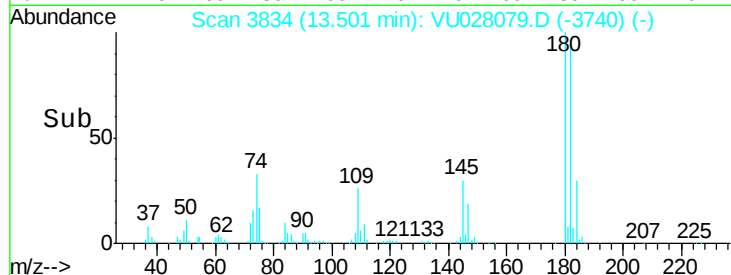
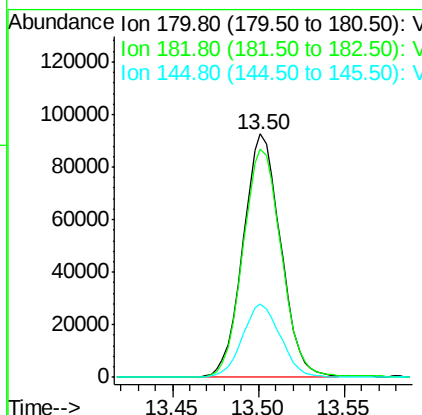
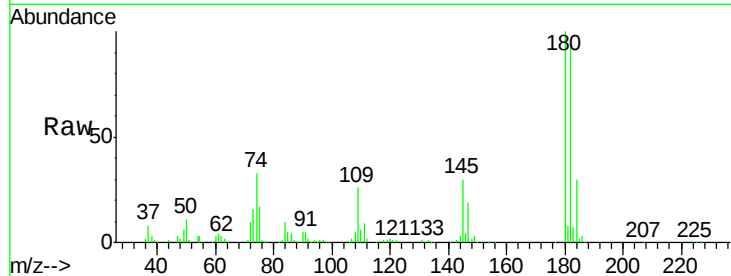
#93
 1,2,4-Trichlorobenzene
 Concen: 46.996 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.4	145.2
145	30.5	14.9	44.5

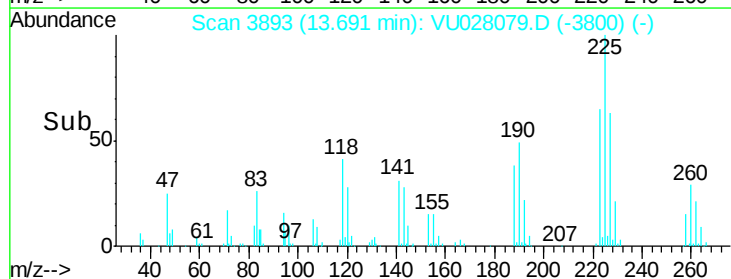
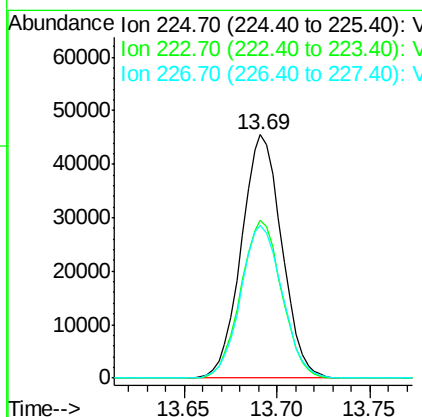
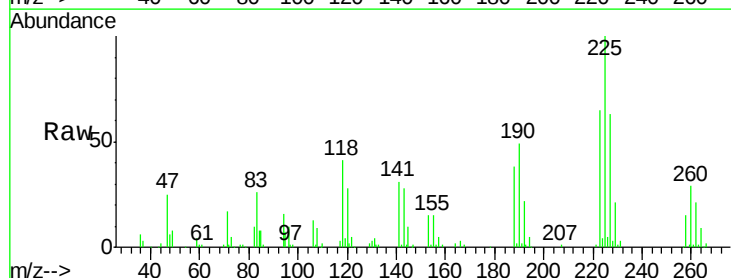
Manual Integrations
 APPROVED

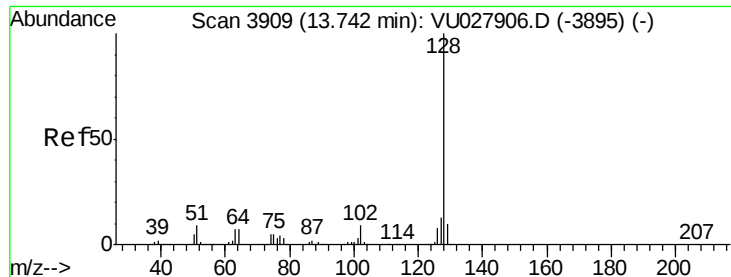
MMDadoda
 11/13/2018 12:12:56 PM



#94
 Hexachlorobutadiene
 Concen: 50.564 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028079.D
 Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	32.2	96.6
227	64.3	32.5	97.4





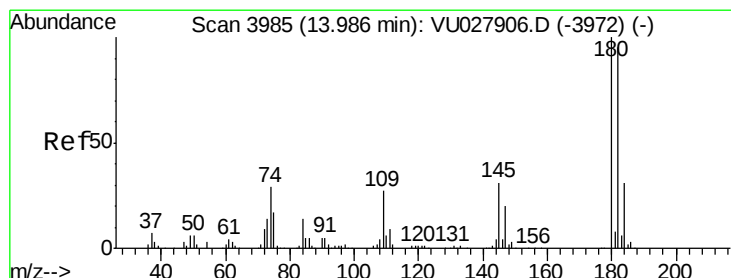
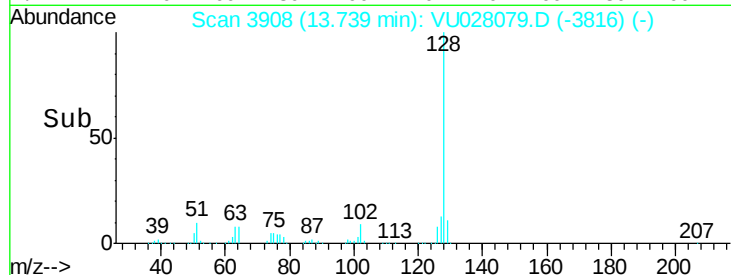
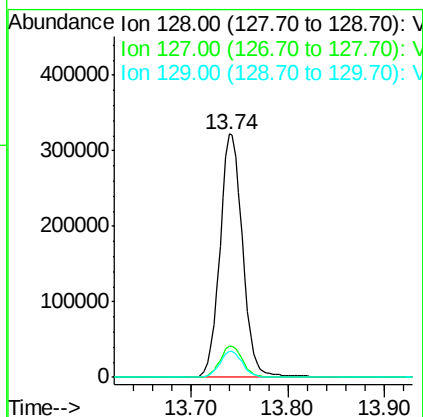
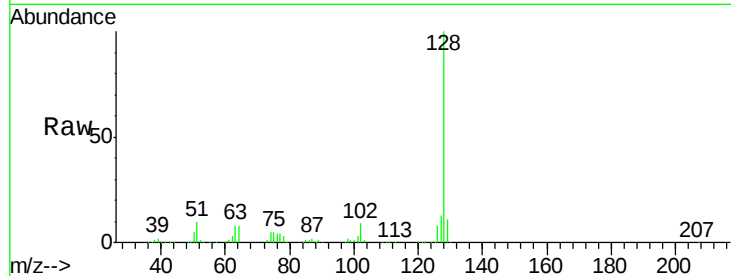
#95
Naphthalene
Concen: 49.374 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/13/2018 12:12:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.211 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028079.D
Acq: 12 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.3
145	31.6	16.0	47.9

