

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028358.D
 Acq On : 28 Nov 2018 11:47
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:07 PM

Quant Time: Nov 29 06:23:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	265560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	462420	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	422709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	198419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	205512	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
35) Dibromofluoromethane	4.88	113	144643	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	7.57	98	576482	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
62) 4-Bromofluorobenzene	10.30	95	212190	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	171661	48.187	ug/l	98
3) Chloromethane	1.33	50	330499	47.863	ug/l	99
4) Vinyl Chloride	1.40	62	229742	47.553	ug/l	99
5) Bromomethane	1.61	94	75425	40.365	ug/l	97
6) Chloroethane	1.69	64	129112	46.443	ug/l	94
7) Trichlorofluoromethane	1.88	101	240739	47.972	ug/l	99
8) Diethyl Ether	2.10	74	109209	46.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	141929	48.550	ug/l	99
10) Methyl Iodide	2.41	142	143772	52.153	ug/l	99
11) Tert butyl alcohol	2.83	59	240044	238.075	ug/l	99
12) 1,1-Dichloroethene	2.28	96	138249	48.731	ug/l	96
13) Acrolein	2.19	56	210167	234.464	ug/l	98
14) Allyl chloride	2.59	41	333392	44.979	ug/l	99
15) Acrylonitrile	2.93	53	629855	236.159	ug/l	99
16) Acetone	2.32	43	604850	222.785	ug/l	100
17) Carbon Disulfide	2.48	76	505844	46.453	ug/l	98
18) Methyl Acetate	2.61	43	344205	45.536	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	555746	47.782	ug/l	99
20) Methylene Chloride	2.70	84	179211	46.795	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	158693	48.232	ug/l	96
22) Diisopropyl ether	3.57	45	691936	47.416	ug/l	98
23) Vinyl Acetate	3.52	43	2892474	238.458	ug/l	100
24) 1,1-Dichloroethane	3.44	63	343985	47.810	ug/l	100
25) 2-Butanone	4.26	43	908692	233.541	ug/l	100
26) 2,2-Dichloropropane	4.22	77	274068	47.964	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	181074	46.535	ug/l	98
28) Bromochloromethane	4.55	49	175311	48.730	ug/l	99
29) Tetrahydrofuran	4.63	42	592874	234.685	ug/l	99
30) Chloroform	4.67	83	303893	45.760	ug/l	99
31) Cyclohexane	4.99	56	344652	46.638	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	252197	47.326	ug/l	100
36) 1,1-Dichloropropene	5.13	75	240780	47.583	ug/l	98
37) Ethyl Acetate	4.38	43	336313	48.770	ug/l	99
38) Carbon Tetrachloride	5.13	117	199855	48.096	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	293303	49.162	ug/l	98
40) Benzene	5.39	78	729225	48.657	ug/l	99
41) Methacrylonitrile	4.54	41	186242	48.632	ug/l	97
42) 1,2-Dichloroethane	5.40	62	257246	47.646	ug/l	99
43) Isopropyl Acetate	5.55	43	535238	48.980	ug/l	99
44) Trichloroethene	6.18	130	162554	50.600	ug/l	99
45) 1,2-Dichloropropane	6.43	63	211161	48.113	ug/l	98
46) Dibromomethane	6.56	93	118115	46.853	ug/l	97
47) Bromodichloromethane	6.76	83	239278	47.719	ug/l	99
48) Methyl methacrylate	6.62	41	271086	47.624	ug/l	100
49) 1,4-Dioxane	6.61	88	89492	984.140	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	1654114	237.003	ug/l	99
52) Toluene	7.63	92	421746	48.868	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	283294	47.248	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	306126	47.657	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	165020	45.944	ug/l	96
56) Ethyl methacrylate	8.02	69	302786	49.552	ug/l	99
57) 1,3-Dichloropropane	8.24	76	312439	47.434	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	808744	246.522	ug/l	99
59) 2-Hexanone	8.36	43	1296631	239.843	ug/l	99
60) Dibromochloromethane	8.48	129	165762	48.525	ug/l	99
61) 1,2-Dibromoethane	8.58	107	180088	48.954	ug/l	99
64) Tetrachloroethene	8.22	164	135836	48.852	ug/l	99
65) Chlorobenzene	9.12	112	435403	49.606	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	146832	48.804	ug/l	99
67) Ethyl Benzene	9.25	91	823829	49.835	ug/l	100
68) m/p-Xylenes	9.37	106	597825	100.472	ug/l	99
69) o-Xylene	9.78	106	293727	49.658	ug/l	99
70) Styrene	9.79	104	479876	50.303	ug/l	100
71) Bromoform	9.96	173	124920	49.399	ug/l #	99
73) Isopropylbenzene	10.17	105	774261	50.172	ug/l	100
74) N-amyl acetate	10.01	43	472145	48.832	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	304096	47.919	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	269529m	48.985	ug/l	
77) Bromobenzene	10.45	156	176851	48.635	ug/l	98
78) n-propylbenzene	10.59	91	965994	50.742	ug/l	100
79) 2-Chlorotoluene	10.66	91	559851	49.886	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	657055	50.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	100515m	48.492	ug/l	
82) 4-Chlorotoluene	10.77	91	646924	50.032	ug/l	100
83) tert-Butylbenzene	11.10	119	618684	51.035	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	667762	50.695	ug/l	99
85) sec-Butylbenzene	11.32	105	795977	50.552	ug/l	99
86) p-Isopropyltoluene	11.48	119	667477	51.555	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	324064	48.863	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	327540	49.072	ug/l	97
89) n-Butylbenzene	11.89	91	662864	51.876	ug/l	100
90) Hexachloroethane	12.14	117	99104	49.030	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	332039	50.180	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	68174	48.296	ug/l	99

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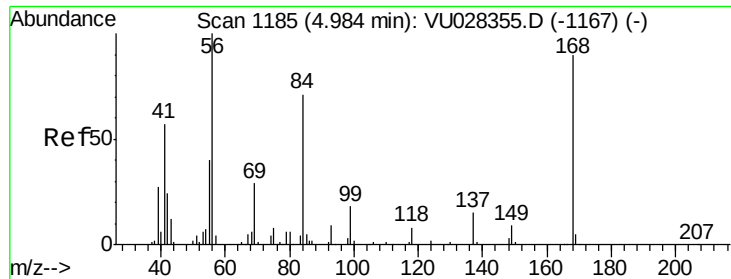
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	220409	50.888	ug/l	99
94) Hexachlorobutadiene	13.69	225	101917	49.833	ug/l	97
95) Naphthalene	13.74	128	771572	46.418	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	223266	50.968	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion:168 Resp: 265560

Ion Ratio Lower Upper

168 100

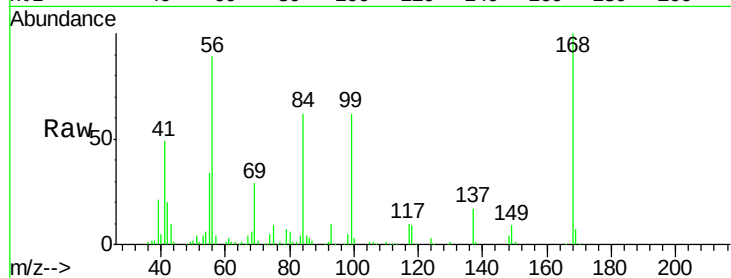
99 61.8 49.6 74.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028355.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028355.D (-1167) (-)

4.98

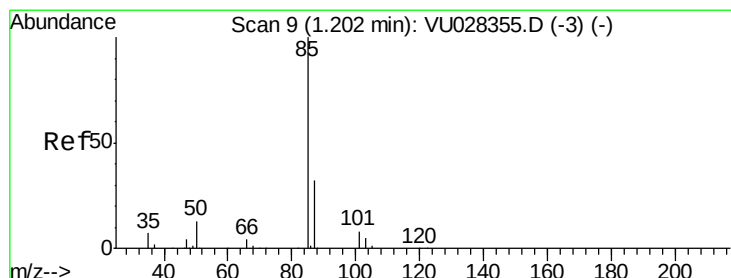
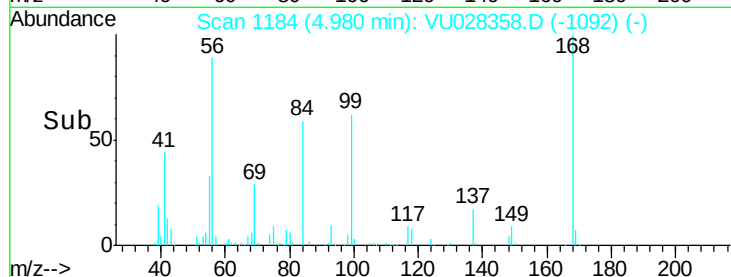
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.187 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028358.D

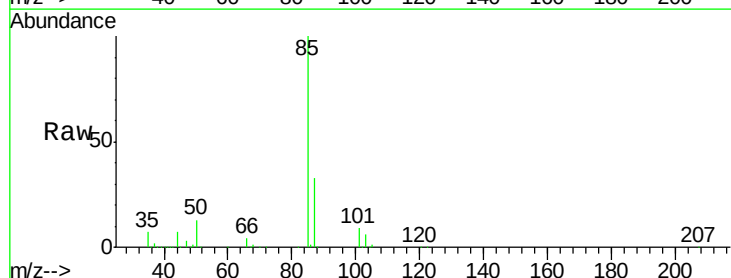
Acq: 28 Nov 2018 11:47

Tgt Ion: 85 Resp: 171661

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU028355.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028355.D (-3) (-)

1.21

200000

150000

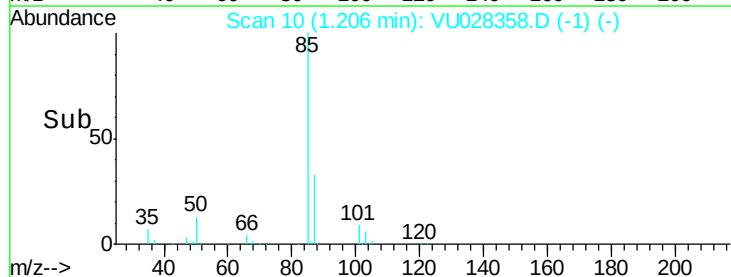
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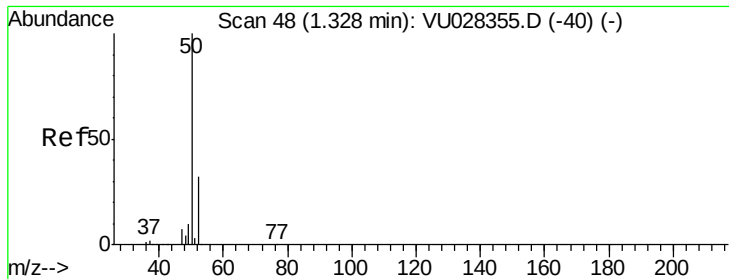
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.863 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 50 Resp: 330499

Ion Ratio Lower Upper

50 100

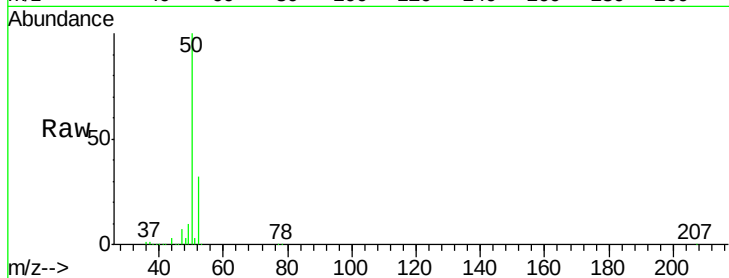
52 32.4 25.4 38.2

Manual Integrations

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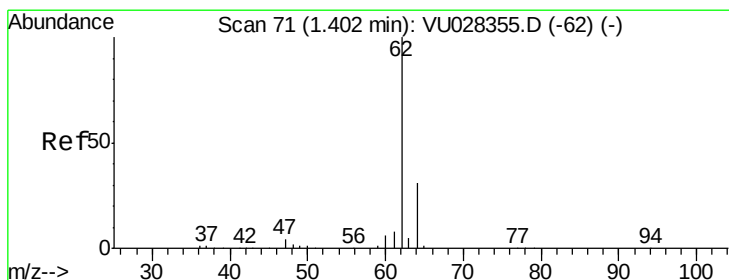
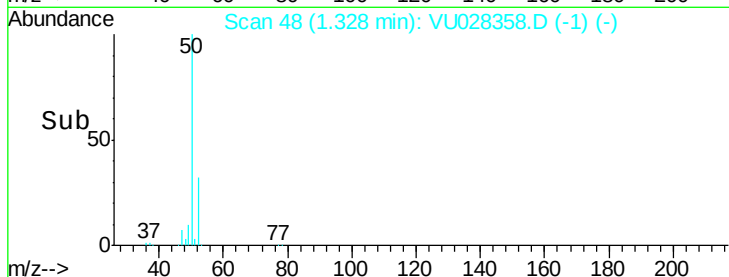
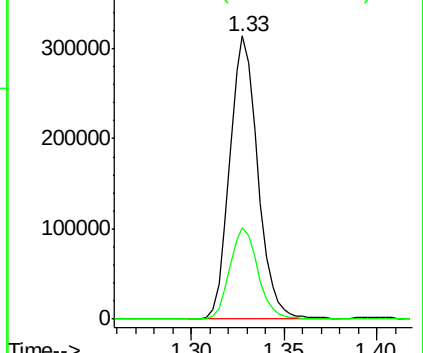
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.553 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028358.D

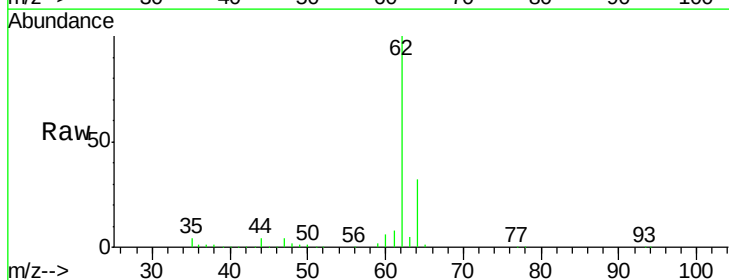
Acq: 28 Nov 2018 11:47

Tgt Ion: 62 Resp: 229742

Ion Ratio Lower Upper

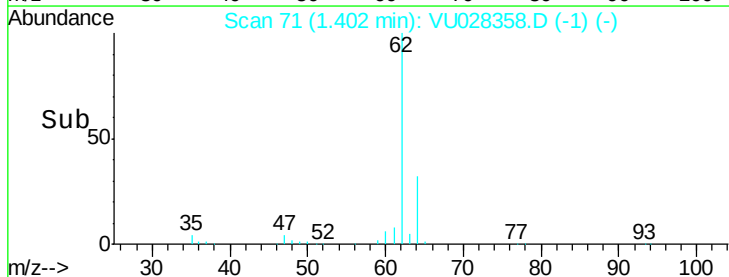
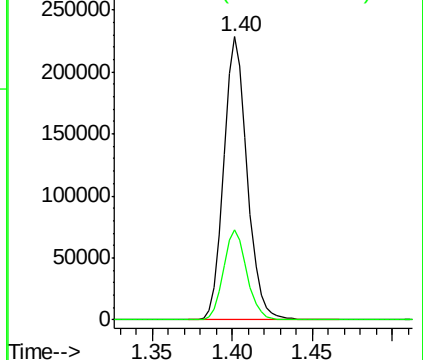
62 100

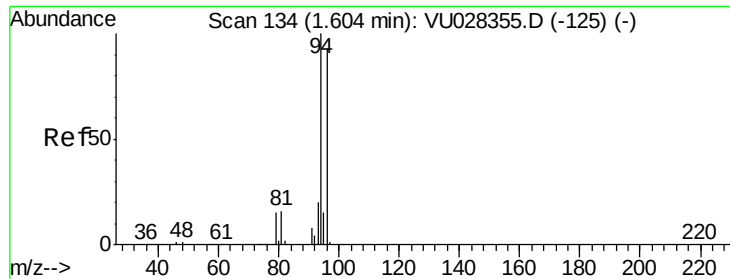
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 40.365 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028358.D

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Instrument :

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ClientSampleId :

ICVVU112818

Tot Ion: 94 Resp: 75425

Ion Ratio Lower Upper

94 100

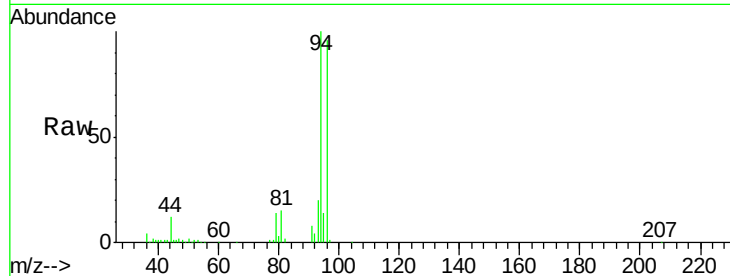
96 95.7 74.6 112.0

Manual Integrations

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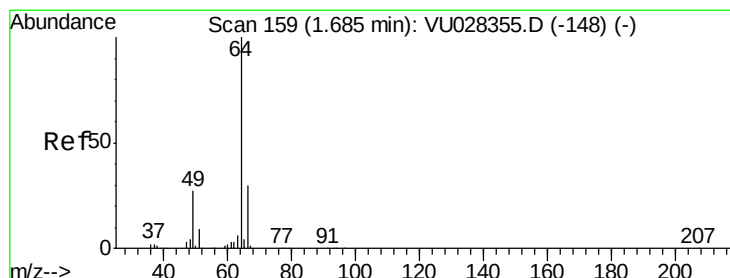
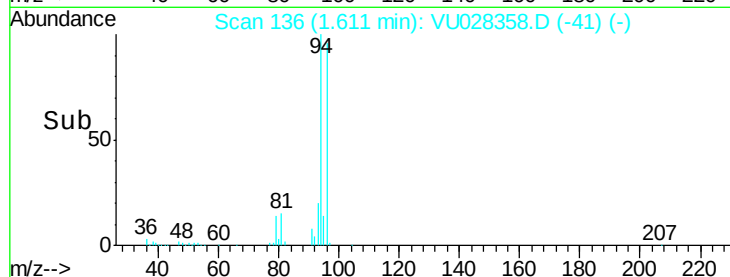
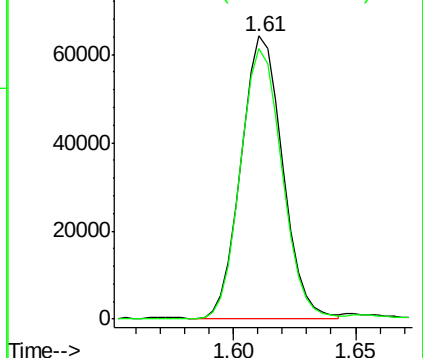
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 46.443 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU028358.D

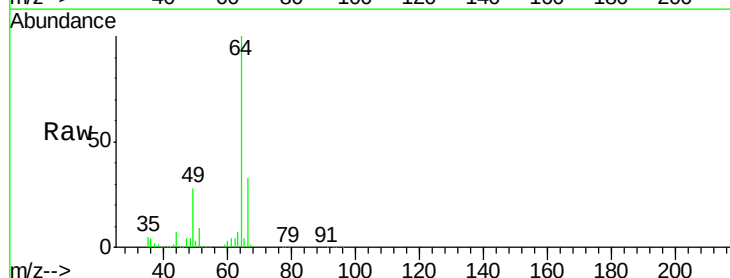
Acq: 28 Nov 2018 11:47

Tgt Ion: 64 Resp: 129112

Ion Ratio Lower Upper

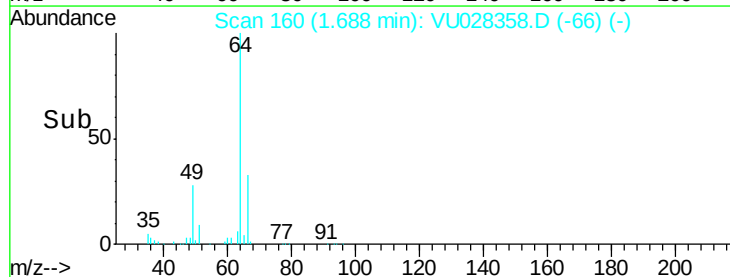
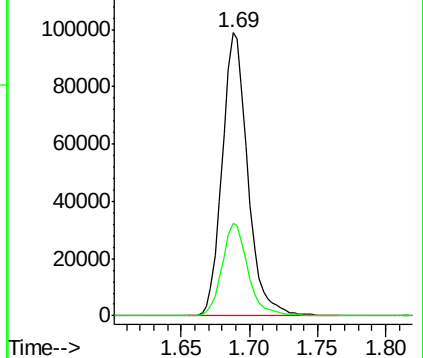
64 100

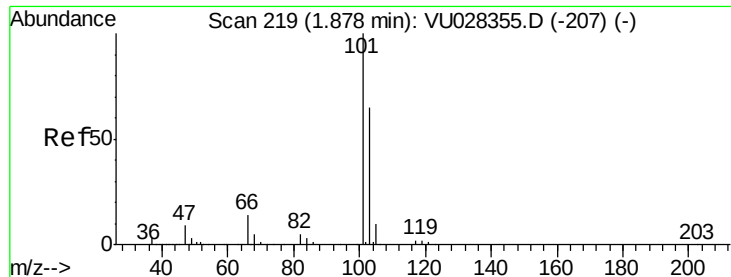
66 32.6 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

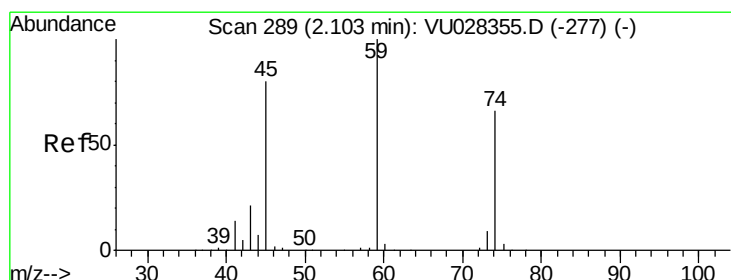
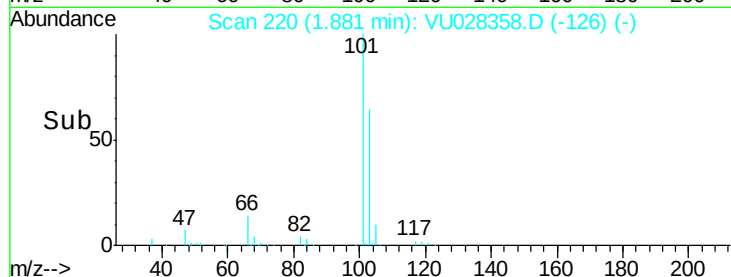
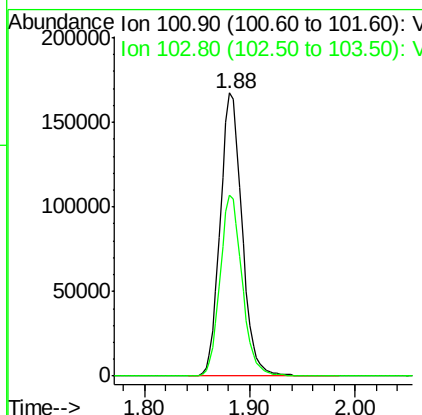
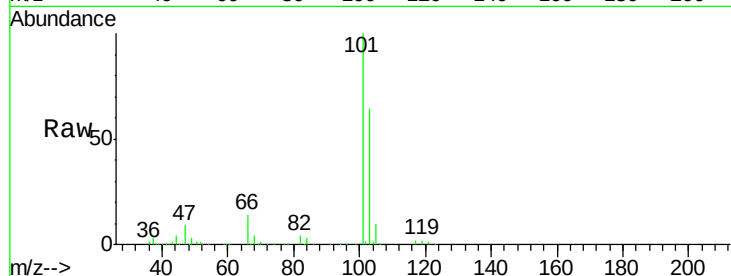
Trichlorofluoromethane
Concen: 47.972 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
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ICVVU112818

Tot Ion	Ratio	Resp	Lower	Upper
101	100	240739		
103	64.1	51.6	77.4	

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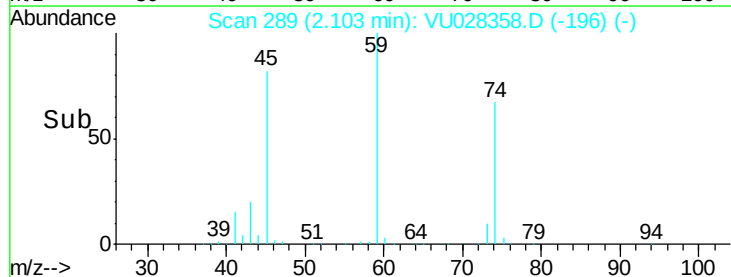
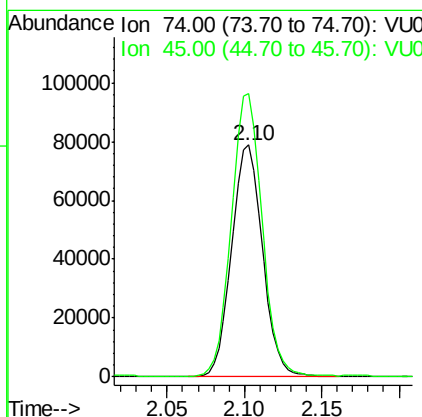
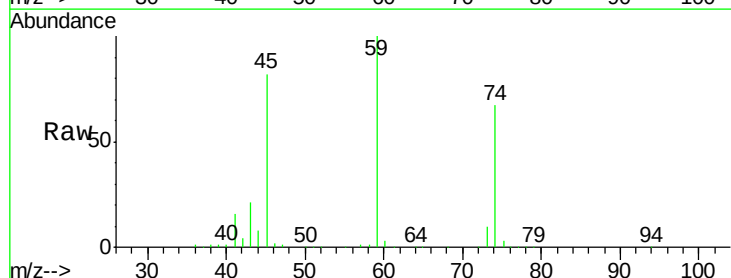
MMDadoda
11/29/2018 1:23:07 PM

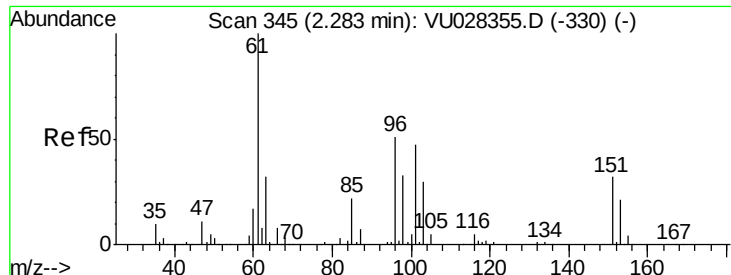


#8

Diethyl Ether
Concen: 46.813 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109209		
45	121.2	63.0	189.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.550 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

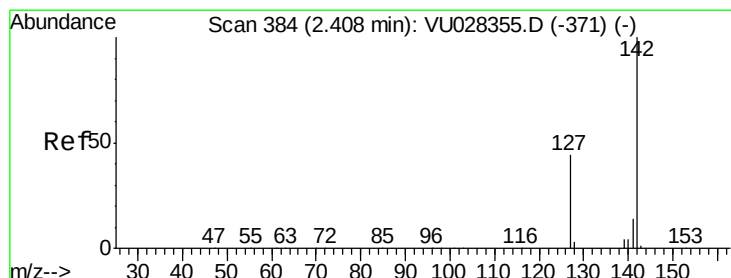
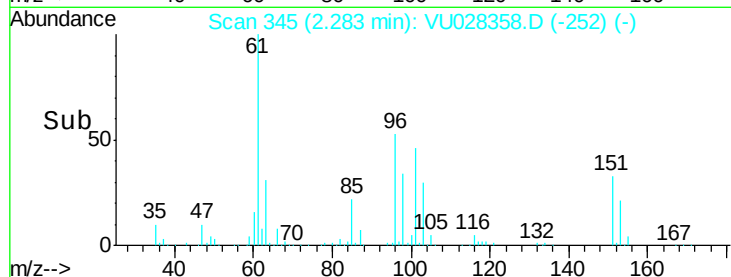
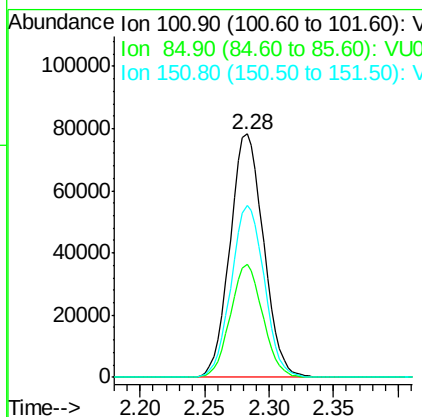
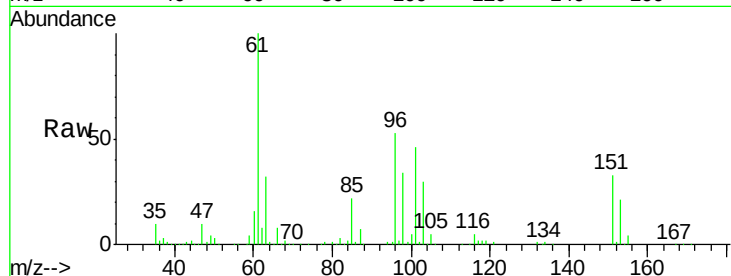
ClientSampleId :

ICVVU112818

Tot Ion:	101	Resp:	141929
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.2	55.8
151	69.6	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 52.153 ug/l

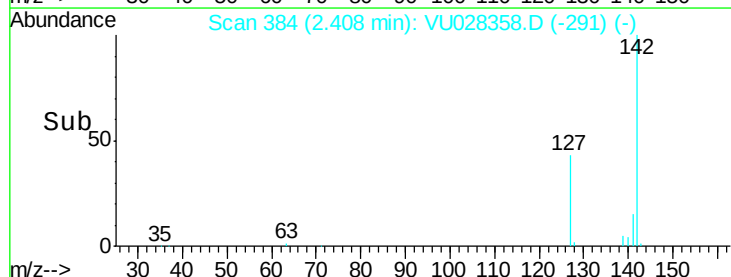
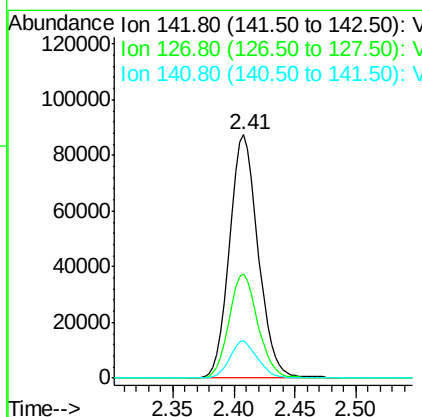
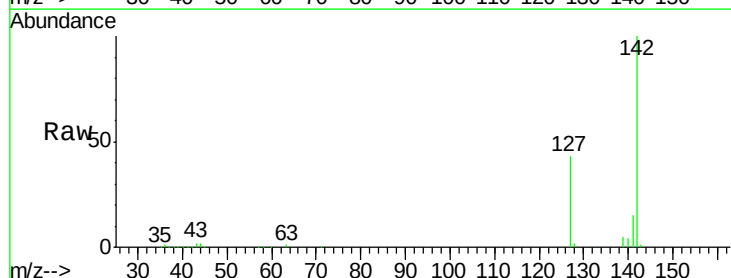
RT: 2.41 min Scan# 384

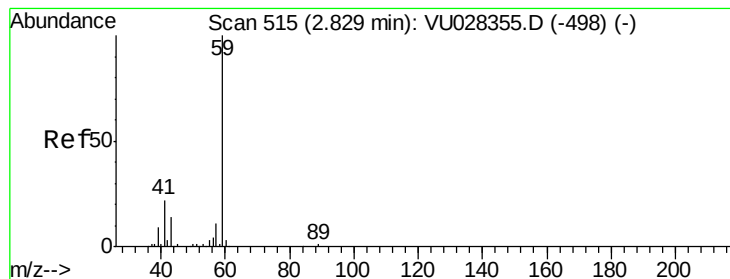
Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion:	142	Resp:	143772
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.0	52.6
141	14.7	11.2	16.8





#11

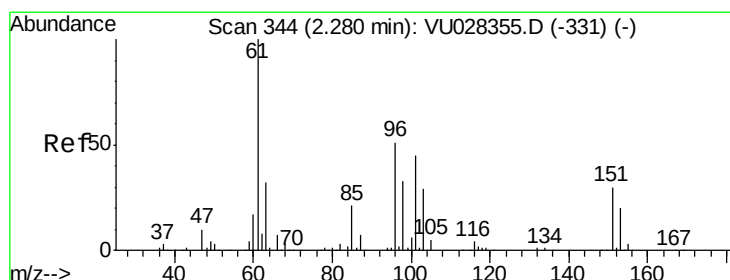
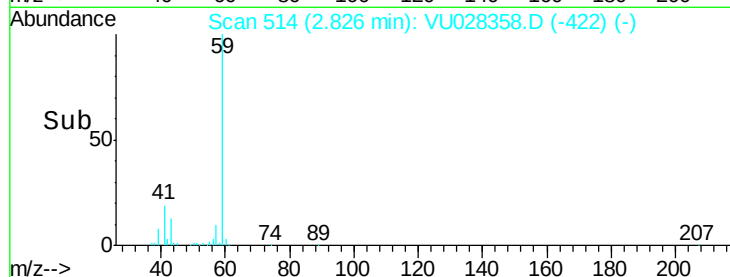
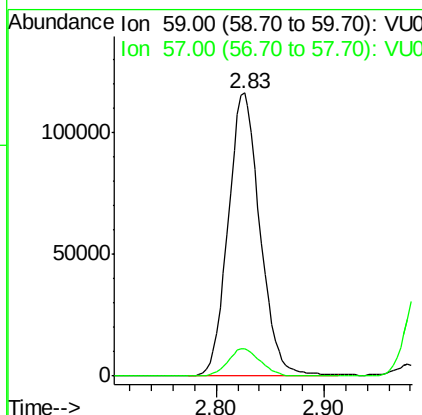
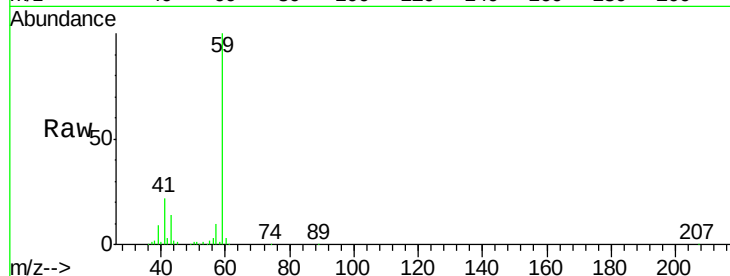
Tert butyl alcohol
Concen: 238.075 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

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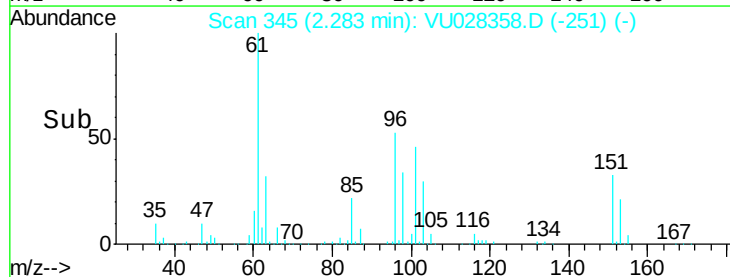
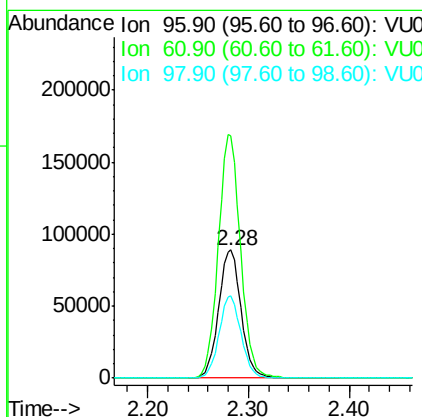
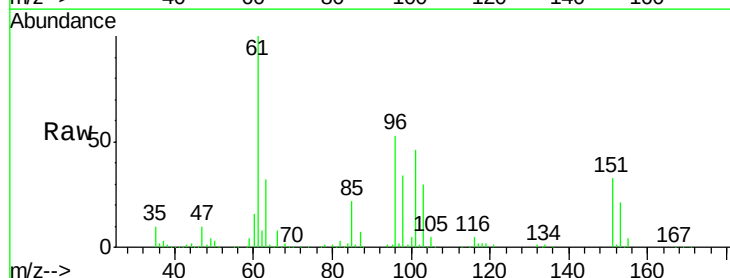
MMDadoda
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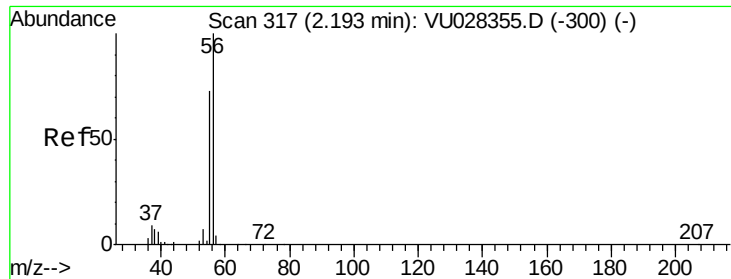


#12

1,1-Dichloroethene
Concen: 48.731 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.7	158.1	237.1
98	63.9	51.4	77.2





#13

Acrolein

Concen: 234.464 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 56 Resp: 210167

Ion Ratio Lower Upper

56 100

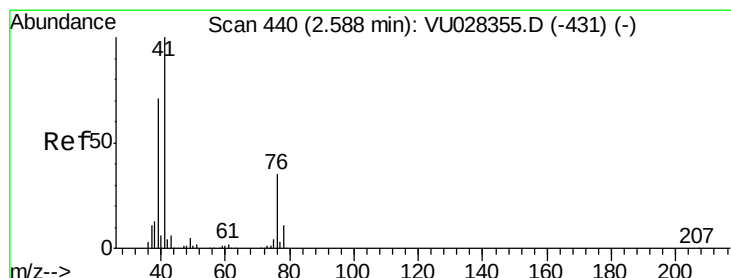
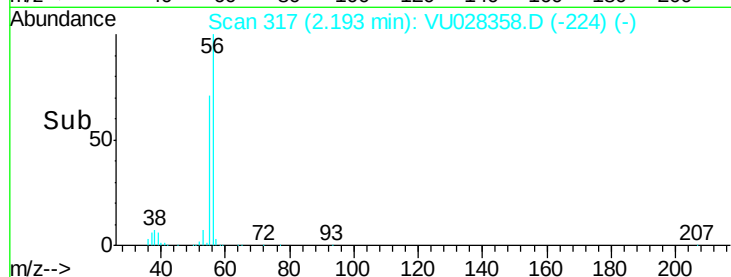
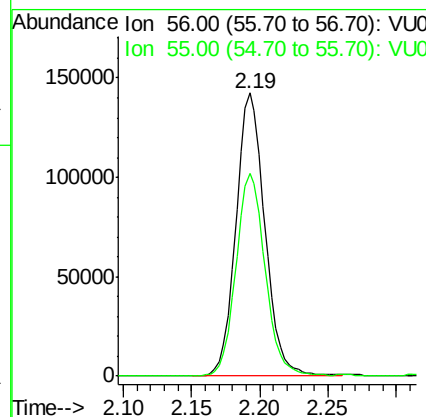
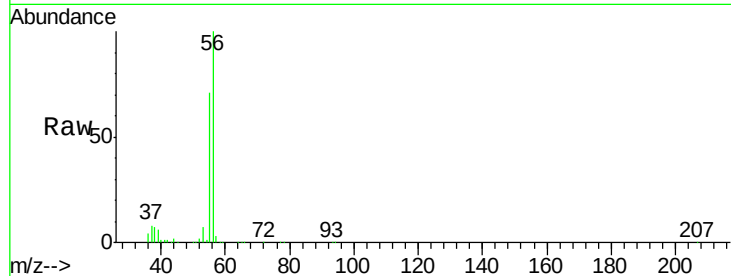
55 72.4 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 44.979 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

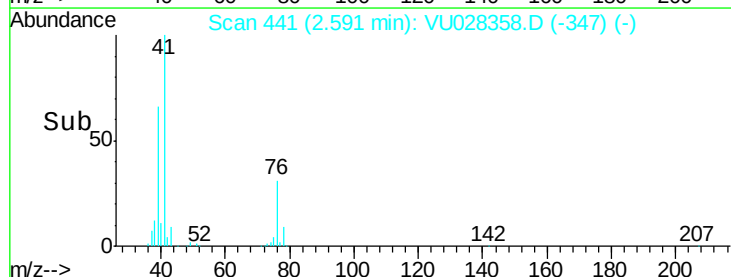
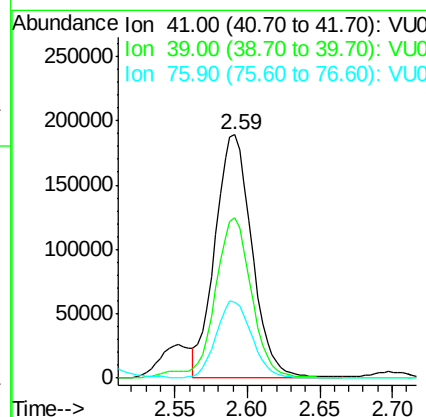
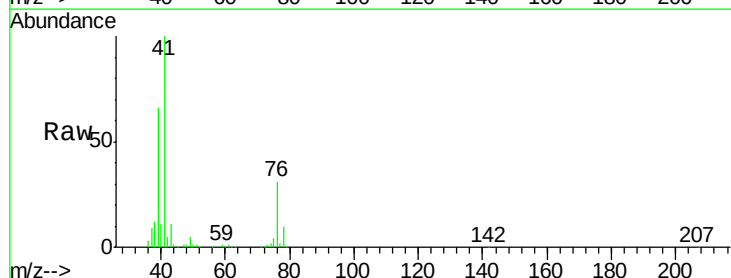
Tgt Ion: 41 Resp: 333392

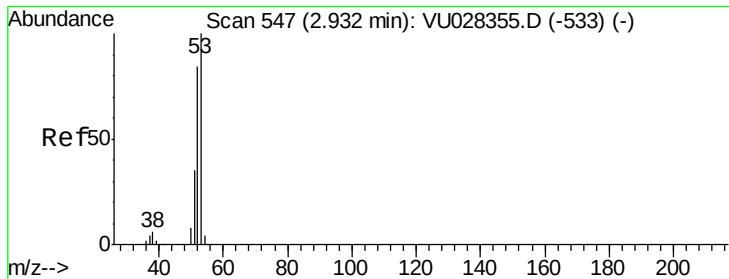
Ion Ratio Lower Upper

41 100

39 63.5 51.6 77.4

76 30.7 24.4 36.6





#15

Acrylonitrile

Concen: 236.159 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

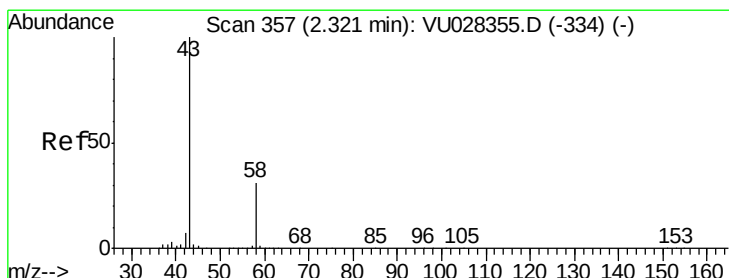
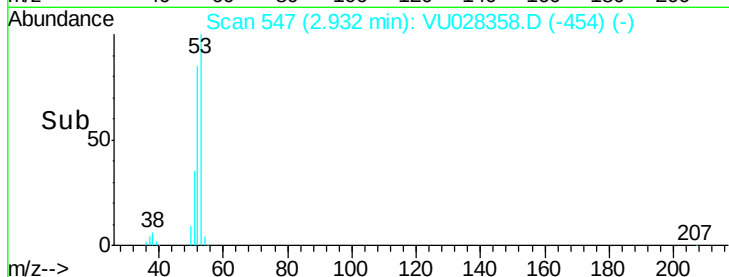
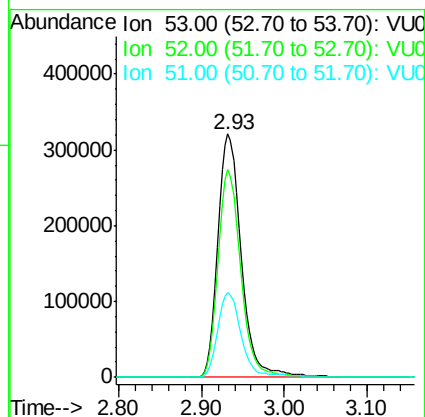
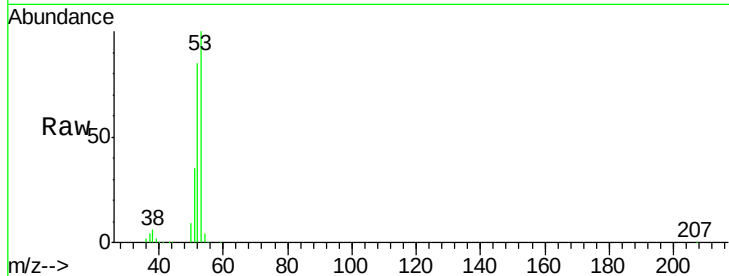
ClientSampleId :

ICVVU112818

Tot Ion:	53	Resp:	629855
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	35.4	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 222.785 ug/l

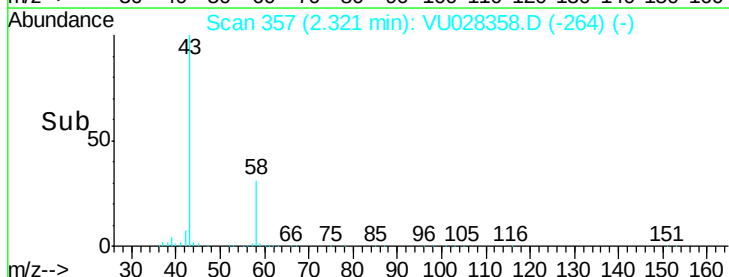
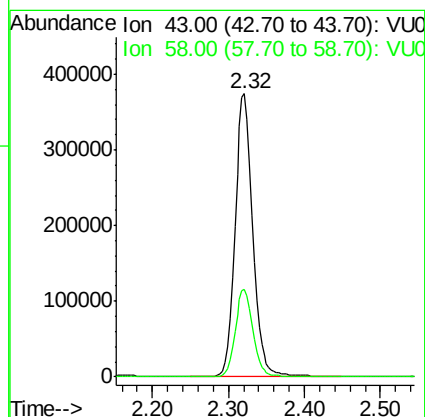
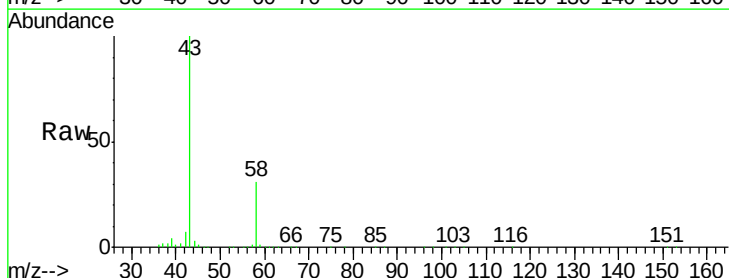
RT: 2.32 min Scan# 357

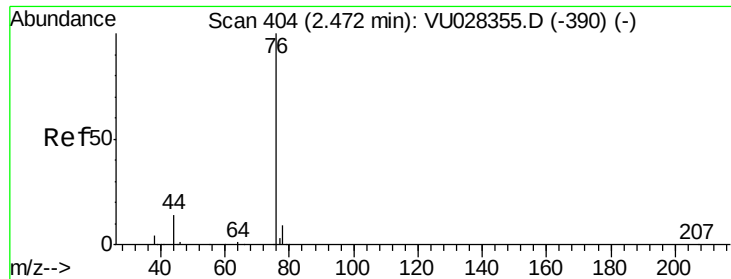
Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion:	43	Resp:	604850
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.4	36.6





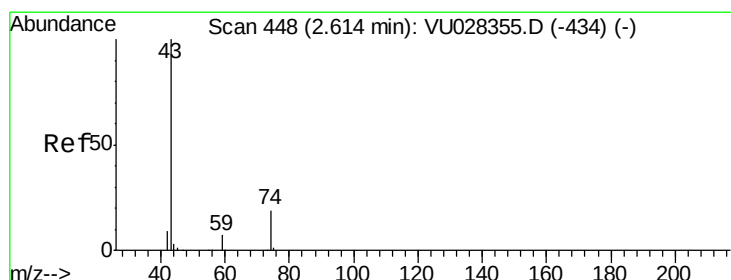
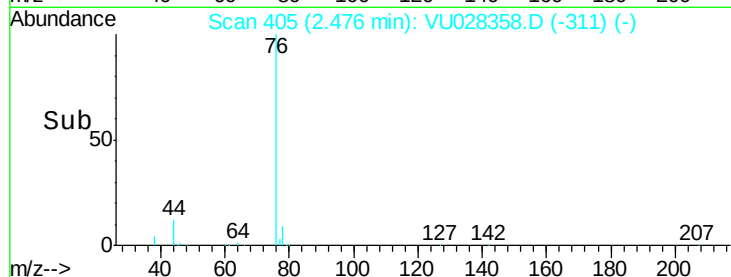
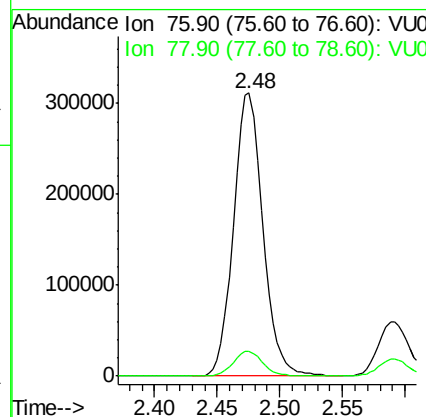
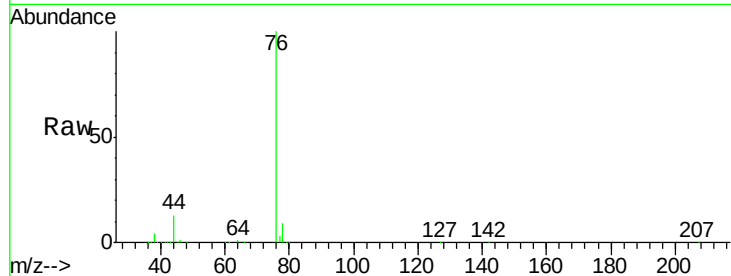
#17
Carbon Disulfide
Concen: 46.453 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

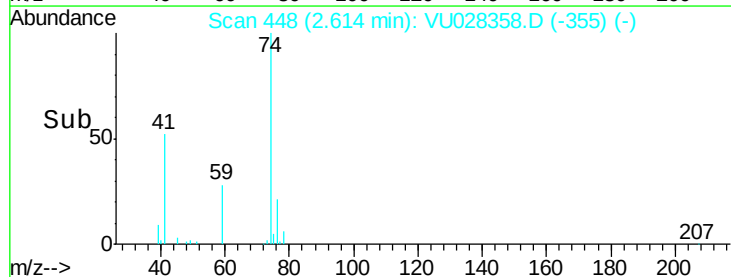
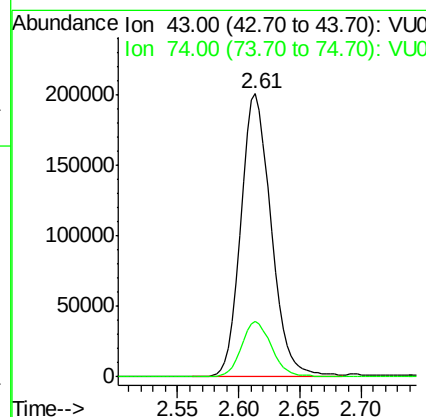
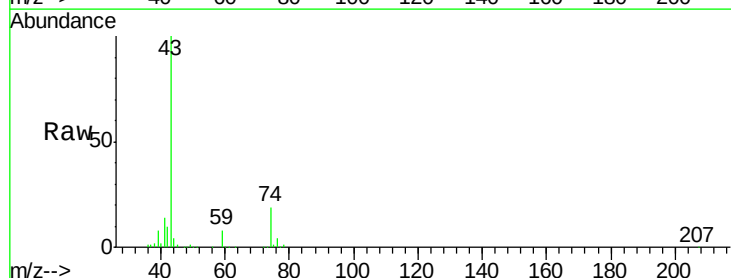
Manual Integrations
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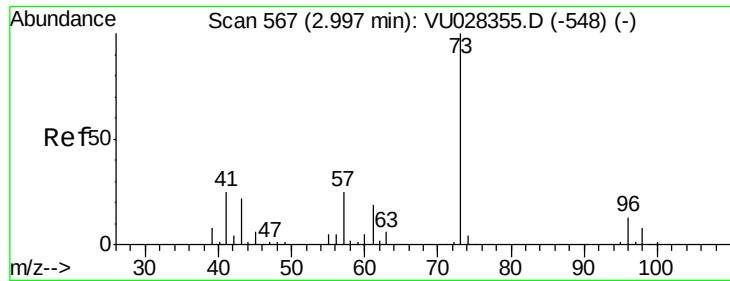
MMDadoda
11/29/2018 1:23:07 PM



#18
Methyl Acetate
Concen: 45.536 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.5	15.3	22.9





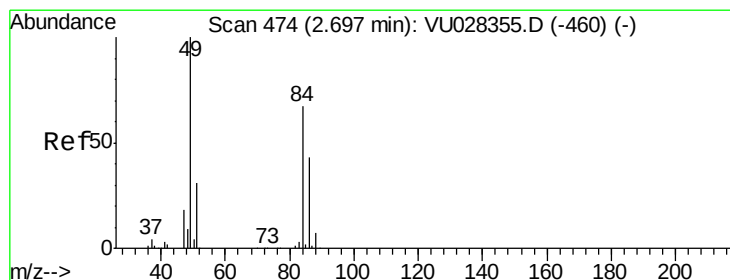
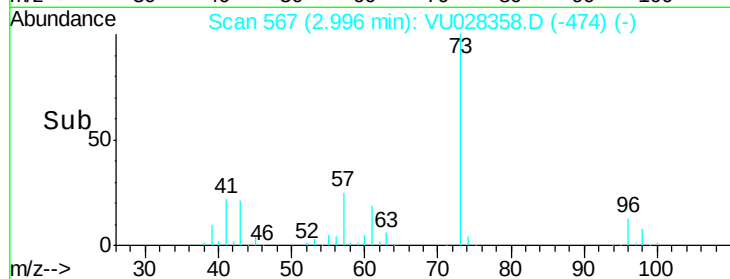
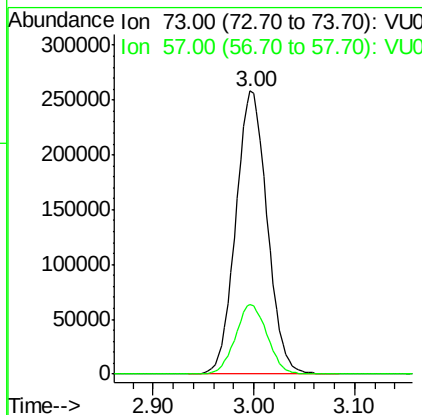
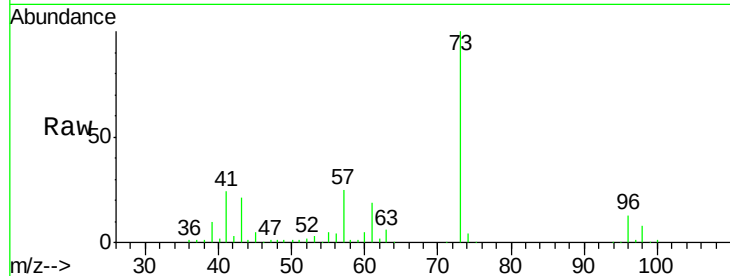
#19
Methvl tert-butyl Ether
Concen: 47.782 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion: 73 Resp: 555746
Ion Ratio Lower Upper
73 100
57 24.8 20.1 30.1

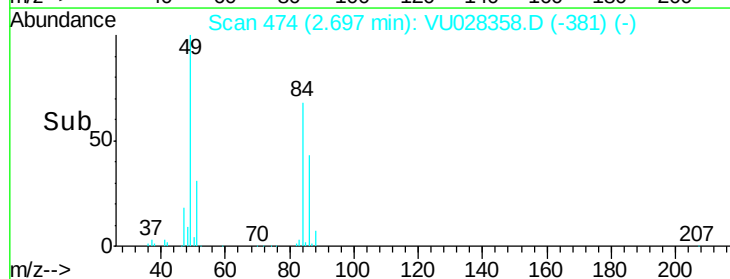
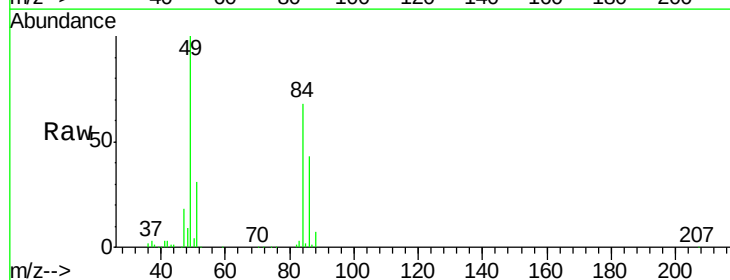
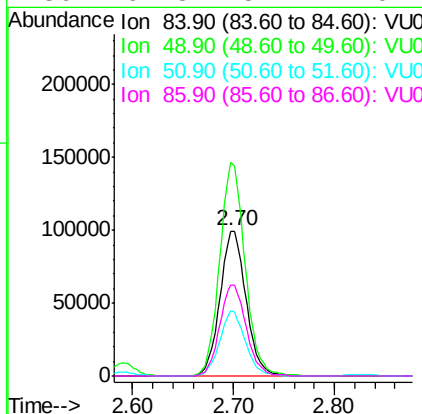
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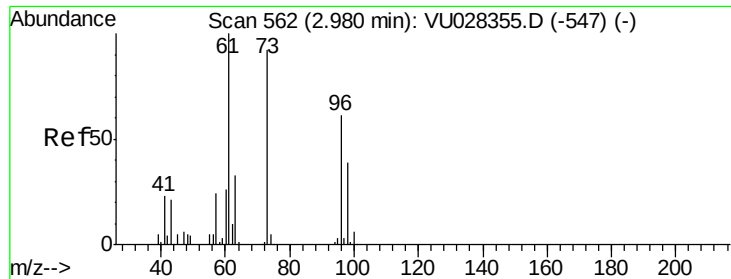
MMDadoda
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#20
Methylene Chloride
Concen: 46.795 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion: 84 Resp: 179211
Ion Ratio Lower Upper
84 100
49 147.1 120.0 180.0
51 45.1 36.9 55.3
86 62.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 48.232 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 96 Resp: 158693

Ion Ratio Lower Upper

96 100

61 156.7 131.1 196.7

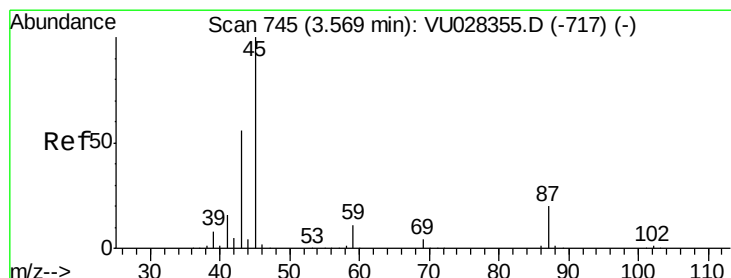
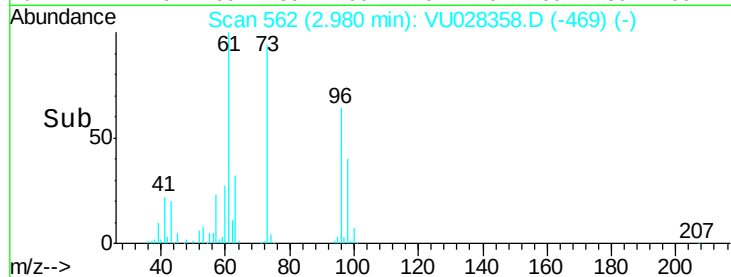
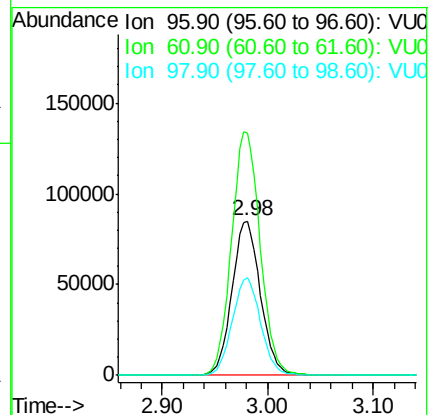
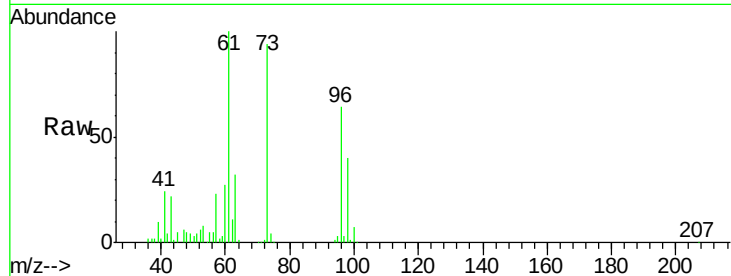
98 62.9 51.7 77.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 47.416 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion: 45 Resp: 691936

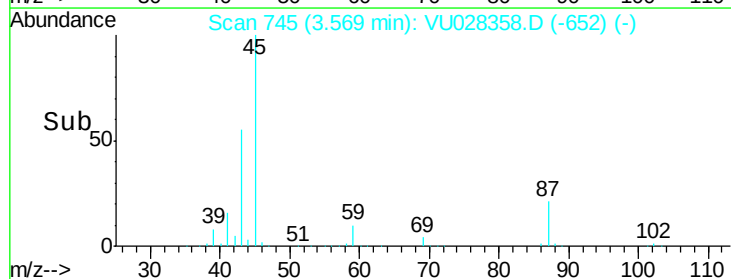
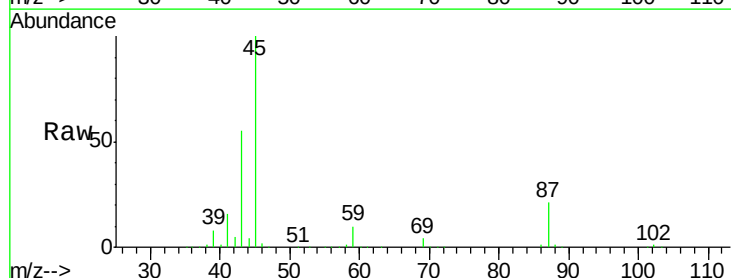
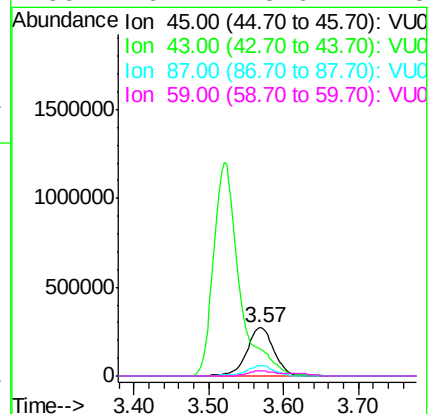
Ion Ratio Lower Upper

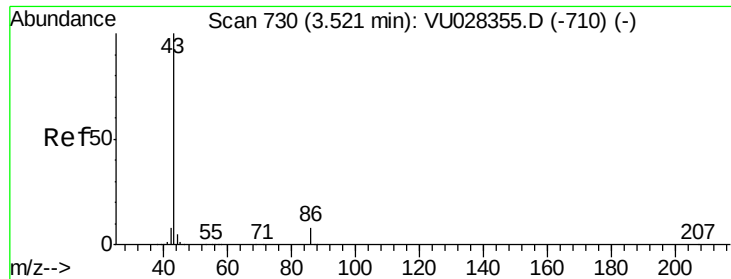
45 100

43 54.1 44.8 67.2

87 21.2 16.3 24.5

59 10.1 8.6 12.8





#23

Vinyl Acetate

Concen: 238.458 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 43 Resp: 2892474

Ion Ratio Lower Upper

43 100

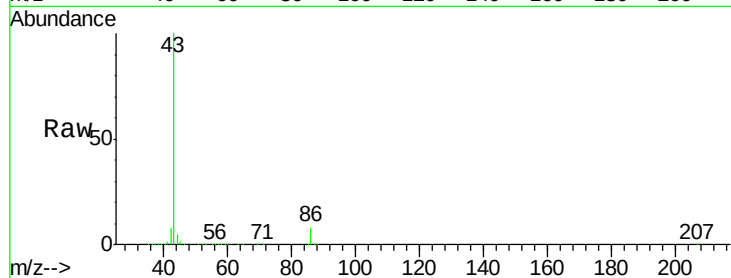
86 8.2 6.5 9.7

Manual Integrations

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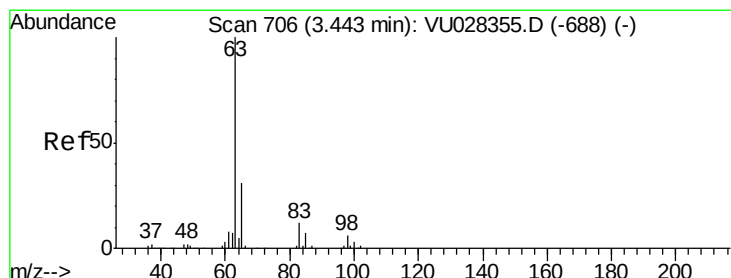
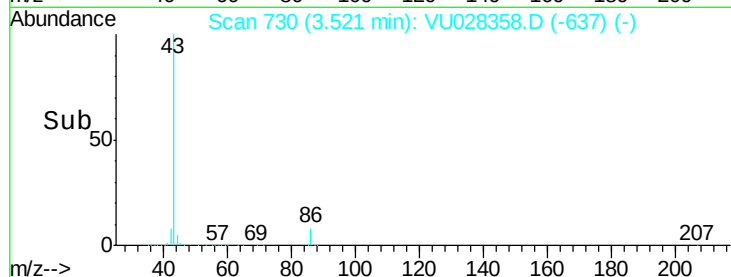
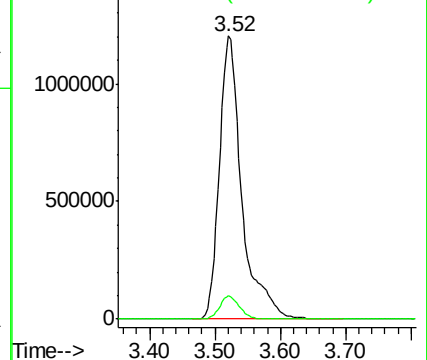
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 47.810 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

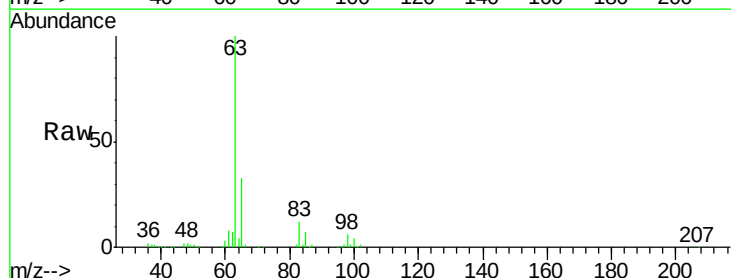
Tgt Ion: 63 Resp: 343985

Ion Ratio Lower Upper

63 100

98 5.6 2.9 8.6

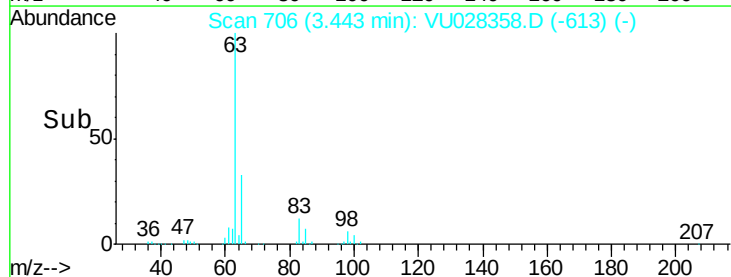
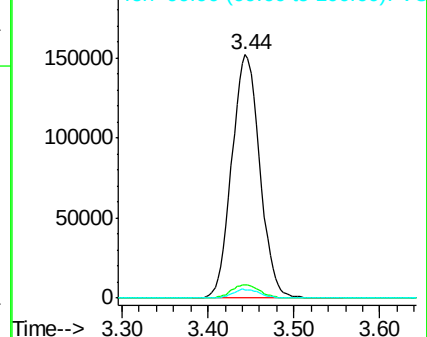
100 3.6 1.7 5.1

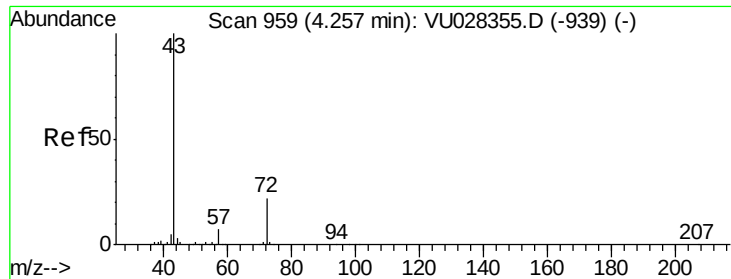


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 233.541 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 43 Resp: 908692

Ion Ratio Lower Upper

43 100

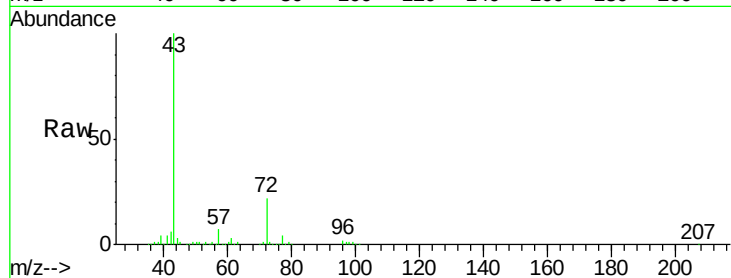
72 22.1 17.7 26.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

400000

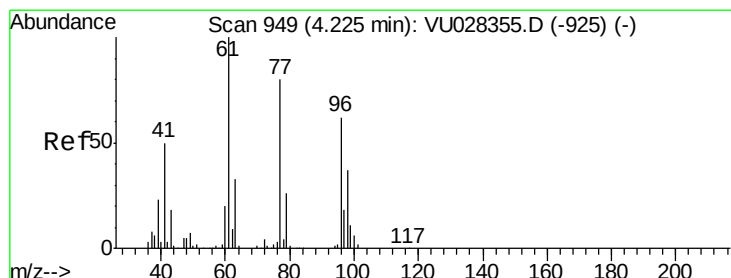
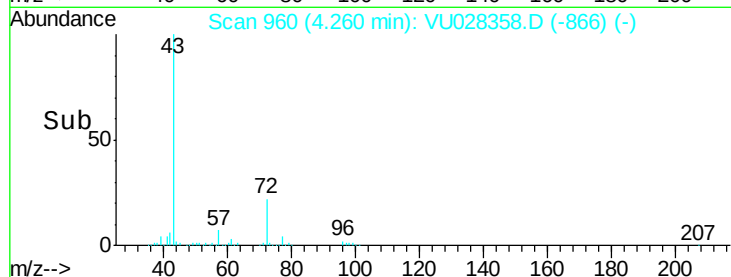
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.964 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU028358.D

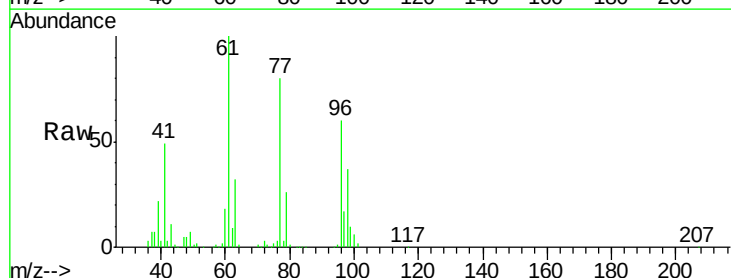
Acq: 28 Nov 2018 11:47

Tgt Ion: 77 Resp: 274068

Ion Ratio Lower Upper

77 100

97 21.5 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.22

120000

100000

80000

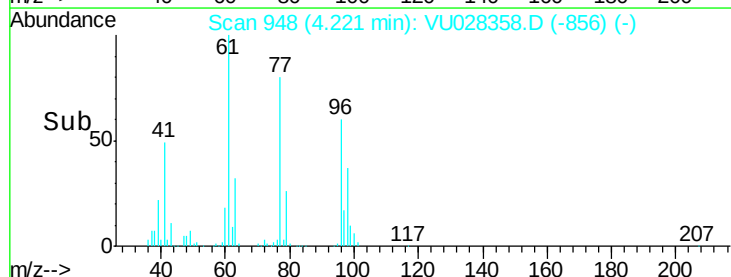
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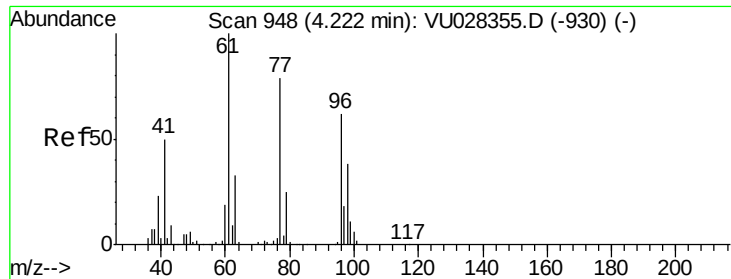
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20000

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Time-->





#27

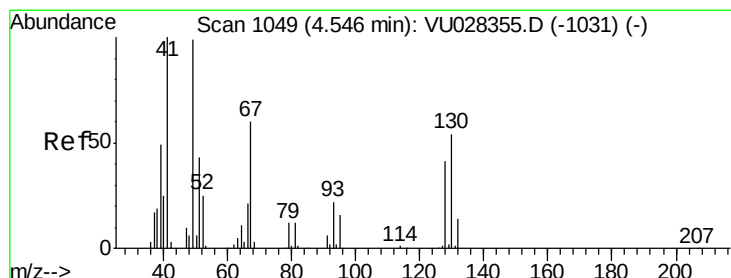
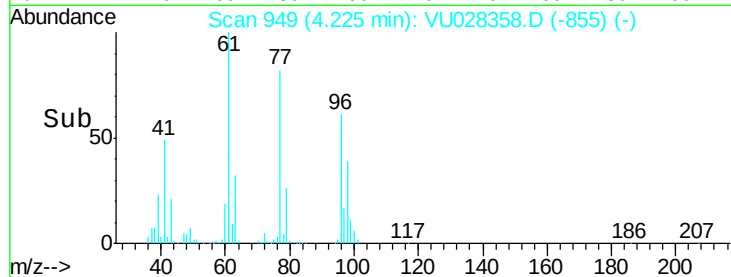
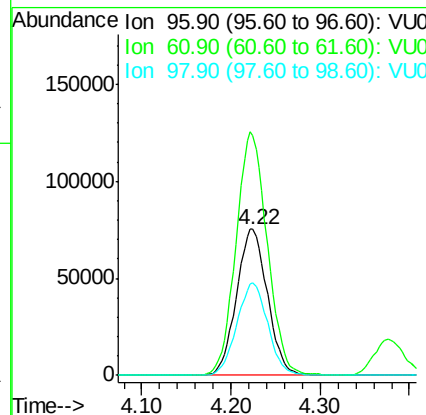
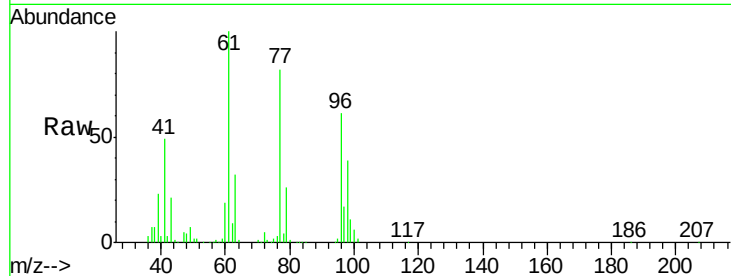
cis-1,2-Dichloroethene
 Concen: 46.535 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.2	0.0	342.0
98	63.3	0.0	126.4

Manual Integrations
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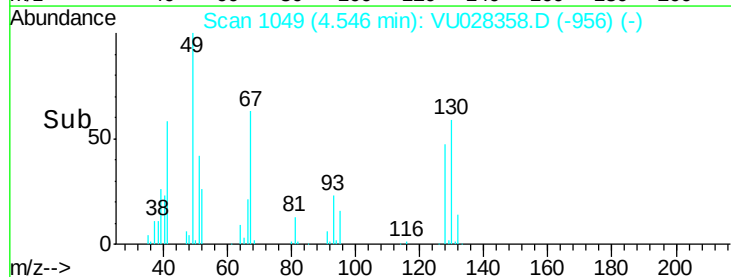
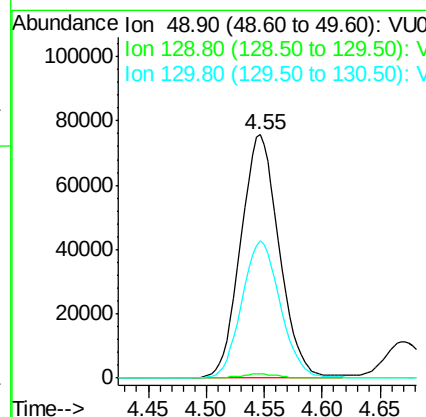
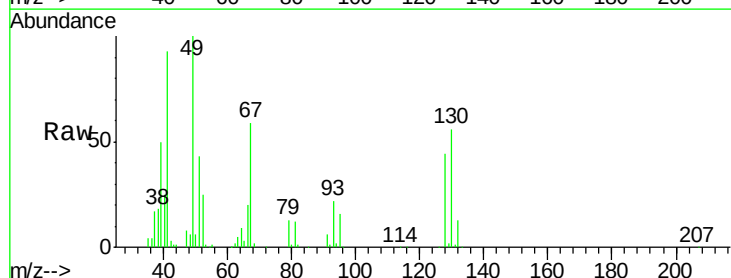
MMDadoda
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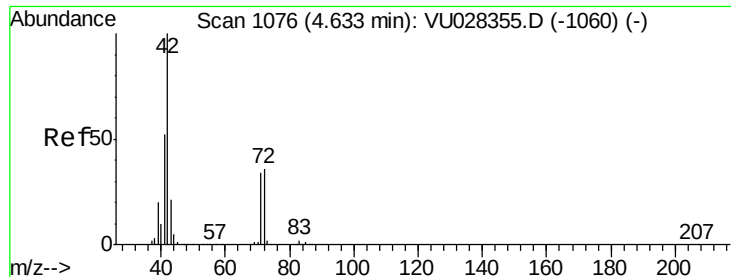


#28

Bromochloromethane
 Concen: 48.730 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.6
130	56.4	44.5	66.7





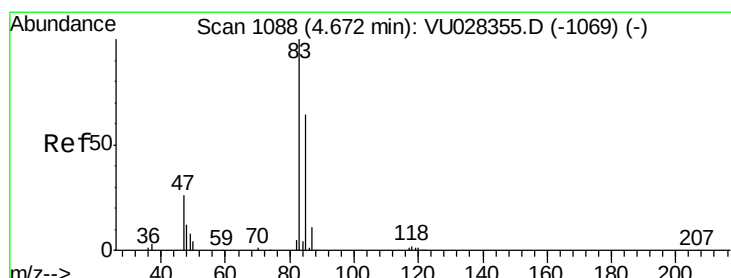
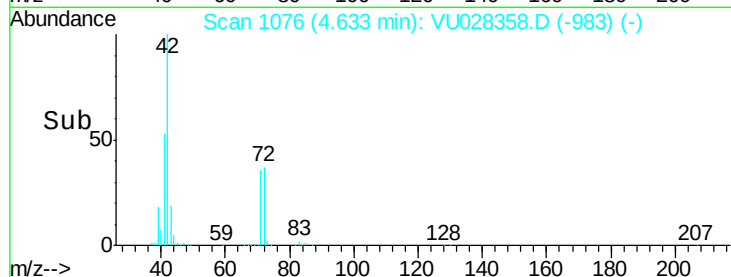
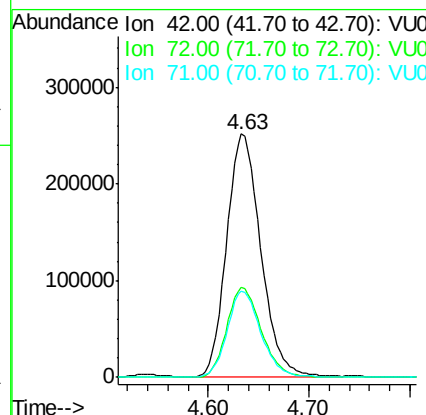
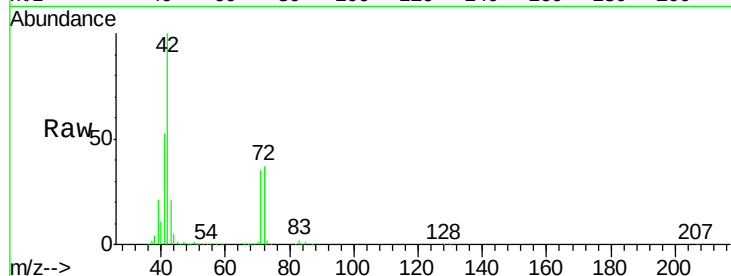
#29
Tetrahydrofuran
Concen: 234.685 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	29.5	44.3
71	35.1	27.7	41.5

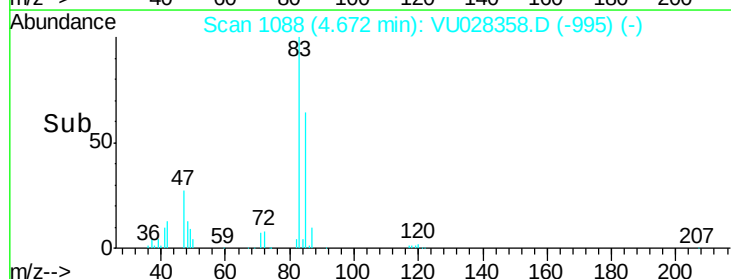
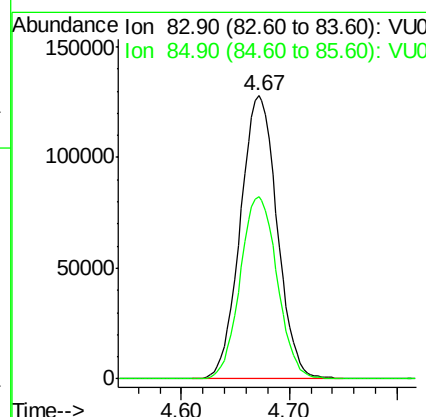
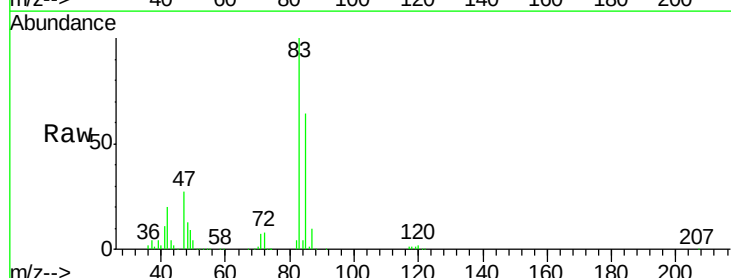
Manual Integrations
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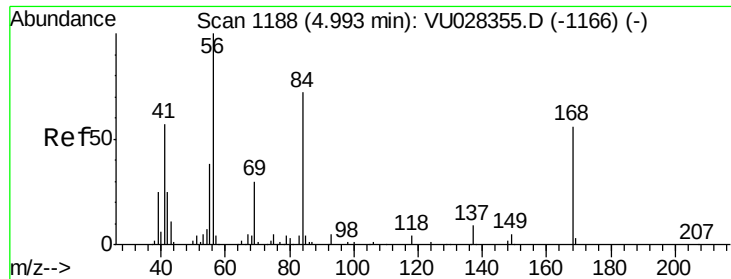
MMDadoda
11/29/2018 1:23:07 PM



#30
Chloroform
Concen: 45.760 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.2	76.8





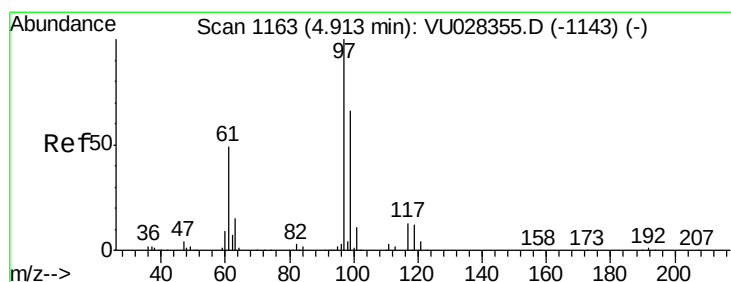
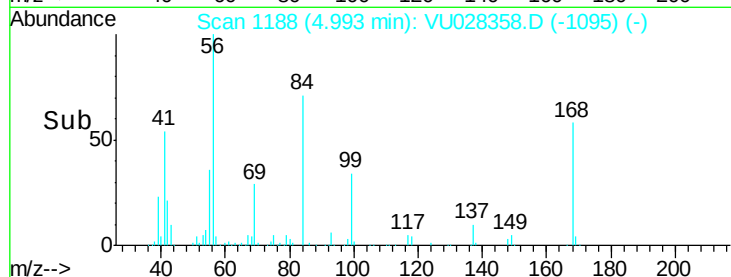
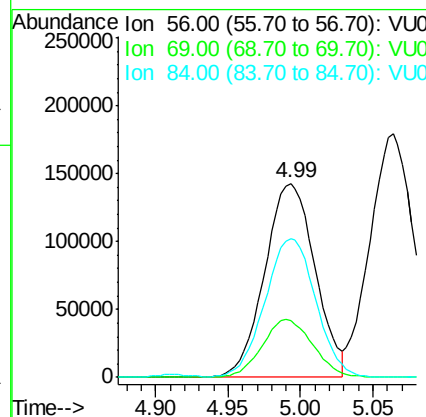
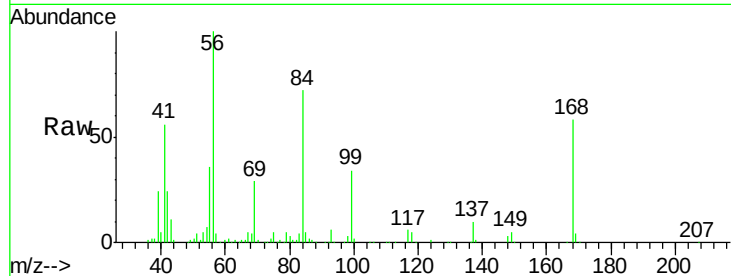
#31
Cyclohexane
Concen: 46.638 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.7	35.5
84	70.8	57.3	85.9

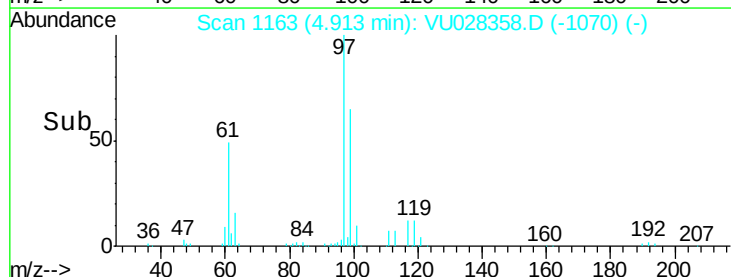
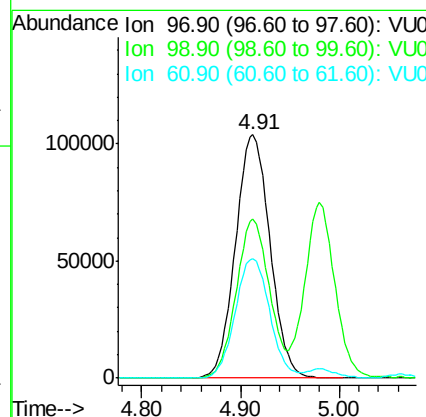
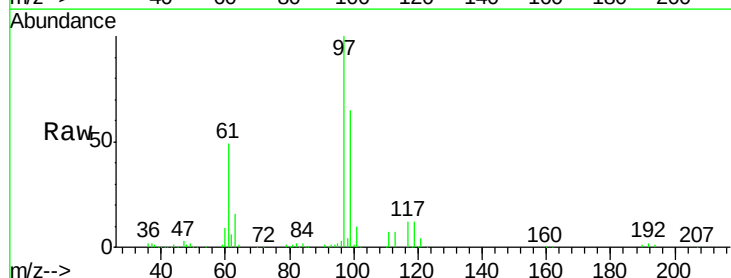
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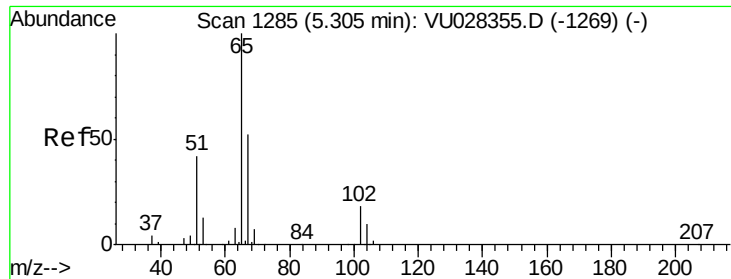
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#32
1,1,1-Trichloroethane
Concen: 47.326 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.8	76.2
61	49.1	39.1	58.7





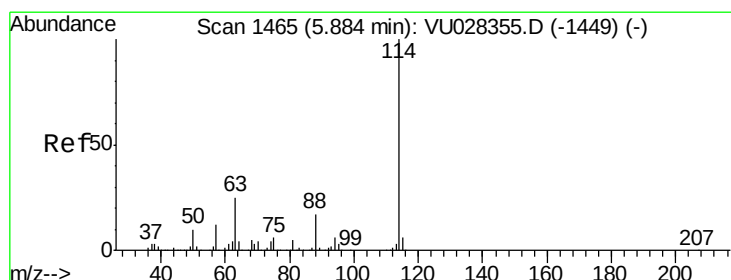
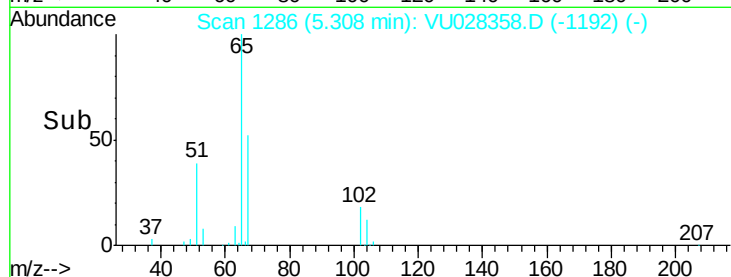
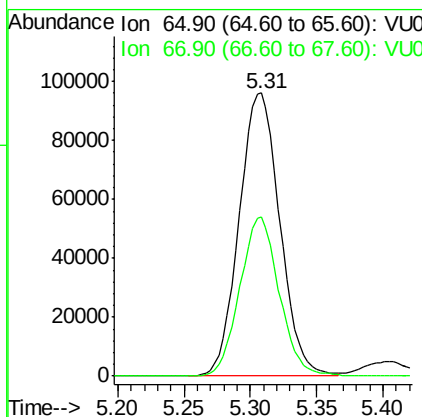
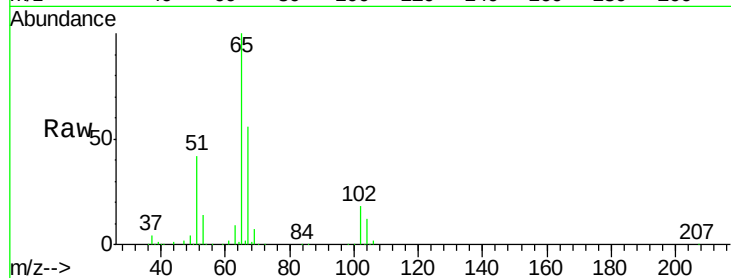
#33
 1,2-Dichloroethane-d4
 Concen: 46.306 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Resp	Lower	Upper
65	100	205512		
67	54.3	0.0	106.8	

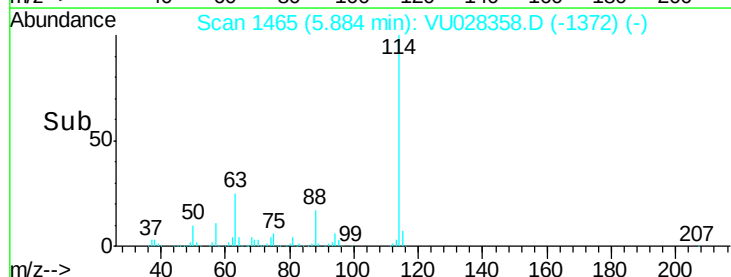
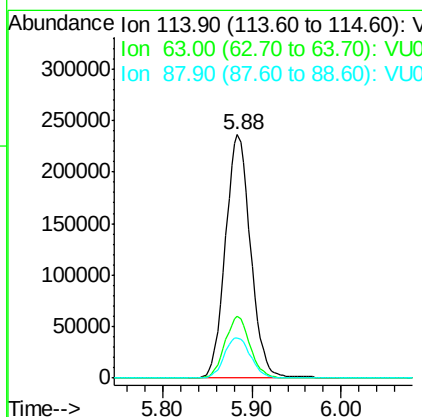
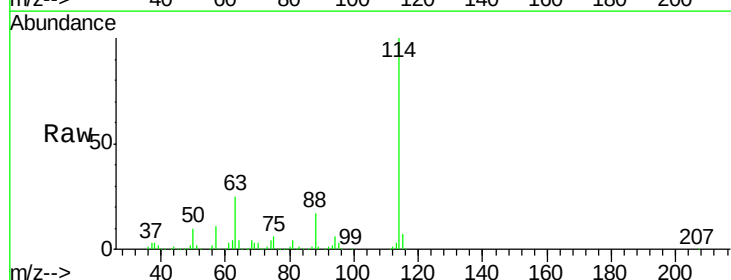
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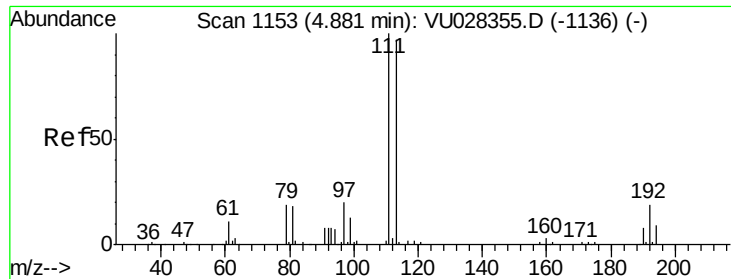
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	462420		
63	25.2	0.0	50.0	
88	16.7	0.0	34.4	





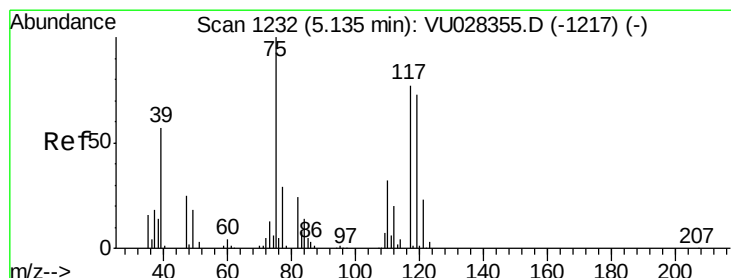
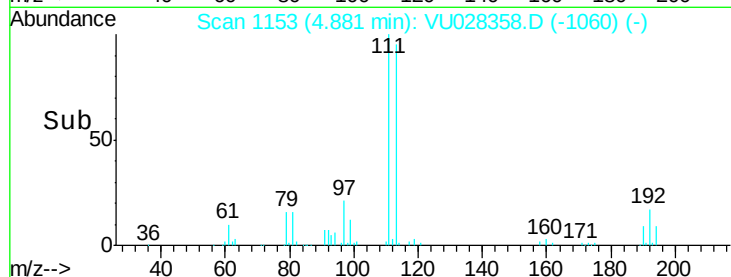
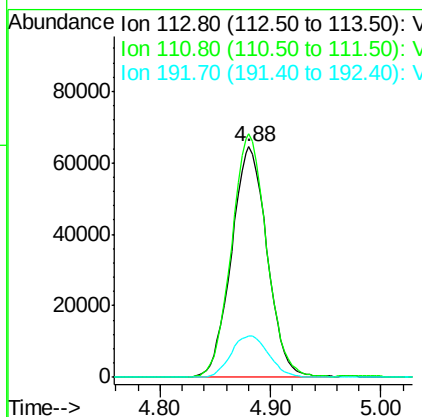
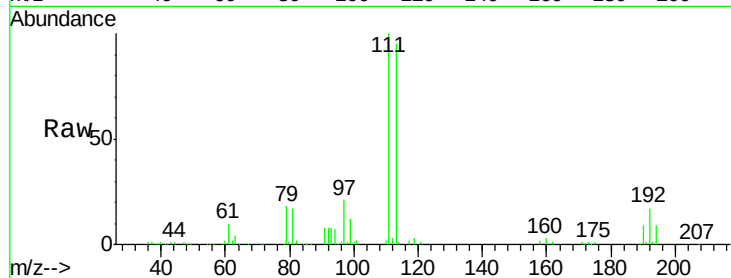
#35
 Dibromofluoromethane
 Concen: 47.040 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144643		
111	104.0	82.9	124.3	
192	19.1	15.4	23.0	

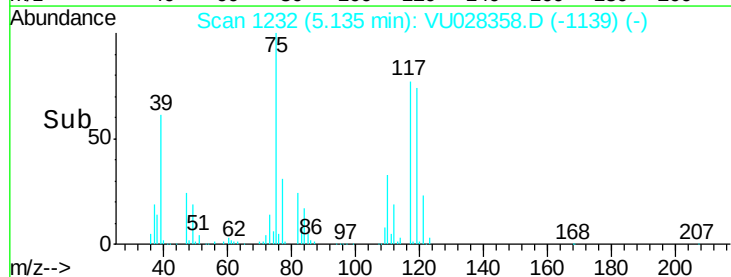
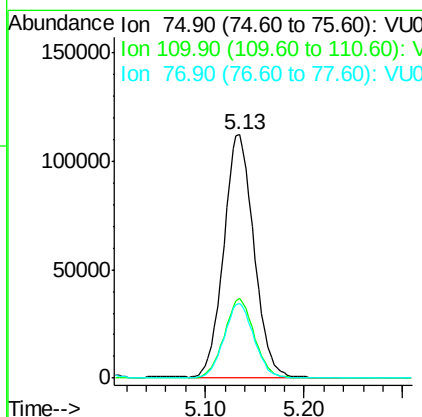
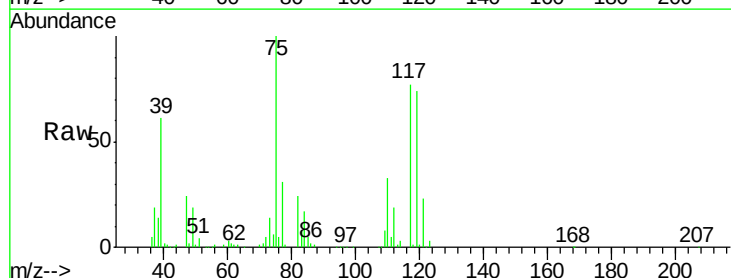
Manual Integrations
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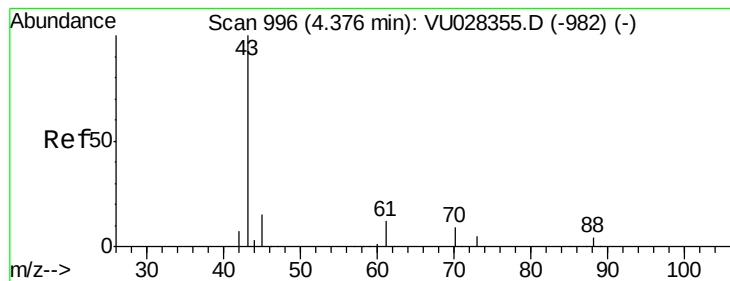
MMDadoda
 11/29/2018 1:23:07 PM



#36
 1,1-Dichloropropene
 Concen: 47.583 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	240780		
110	32.4	15.8	47.4	
77	29.8	24.6	36.8	





#37

Ethyl Acetate

Concen: 48.770 ug/l

RT: 4.38 min Scan# 996

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

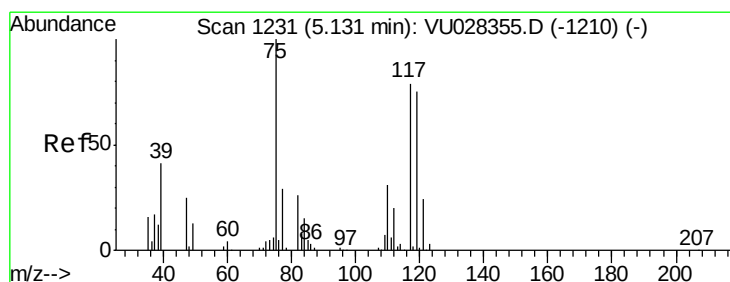
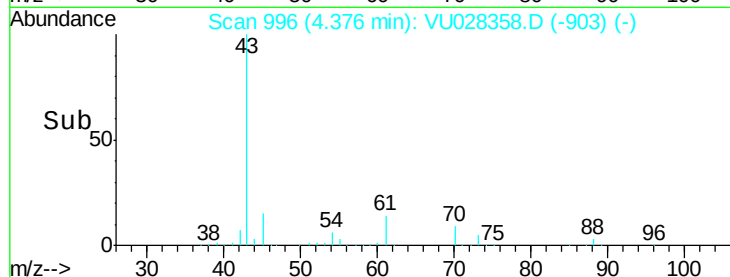
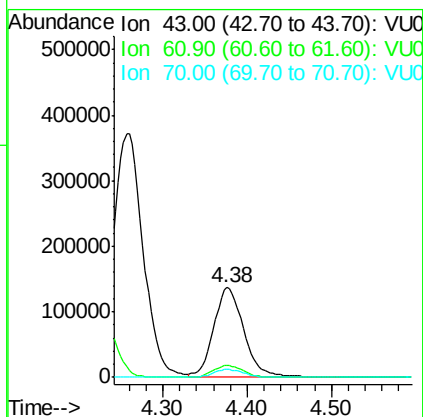
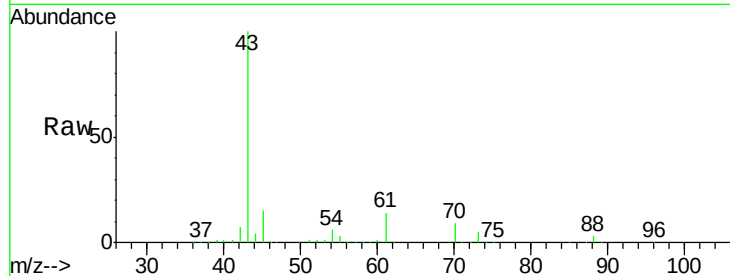
ClientSampleId :

ICVVU112818

Tot Ion:	43	Resp:	336313
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	8.8	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.096 ug/l

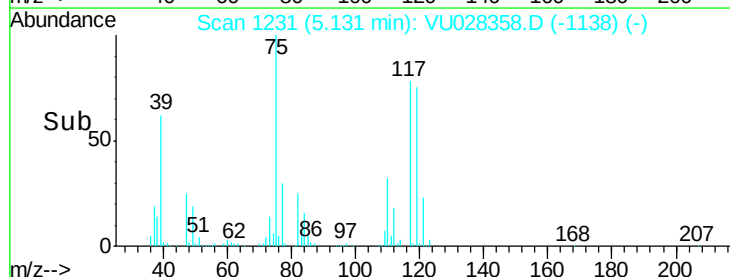
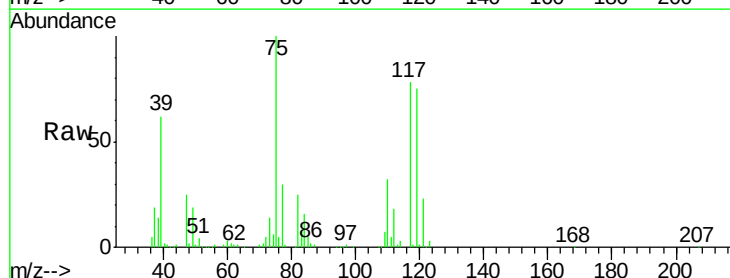
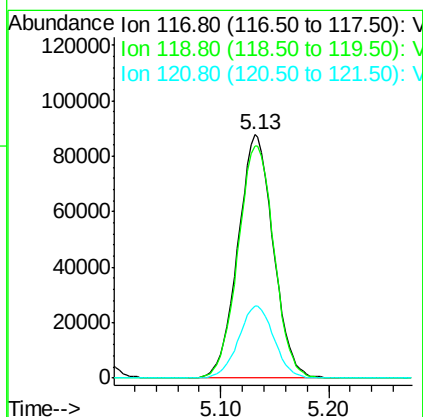
RT: 5.13 min Scan# 1231

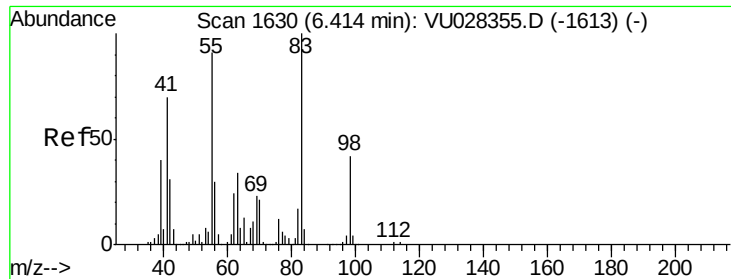
Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion:	117	Resp:	199855
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.3	114.5
121	29.7	24.7	37.1





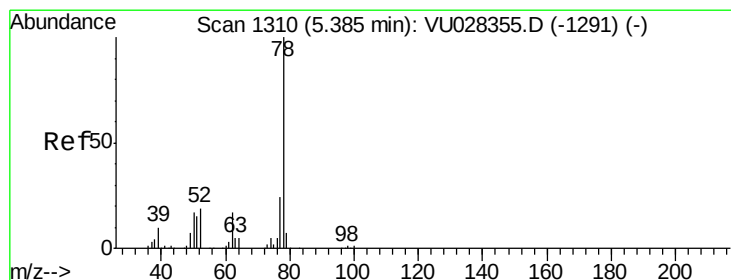
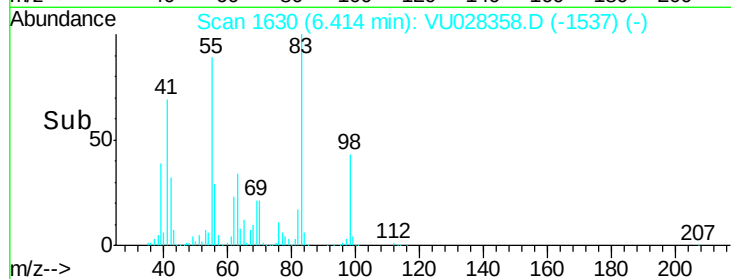
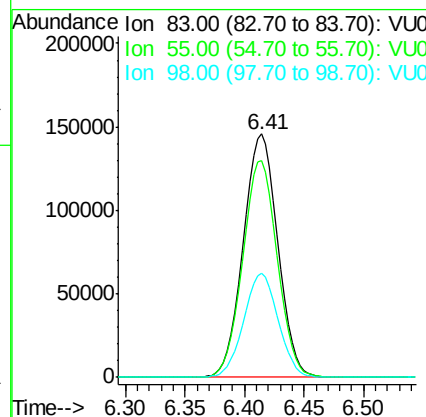
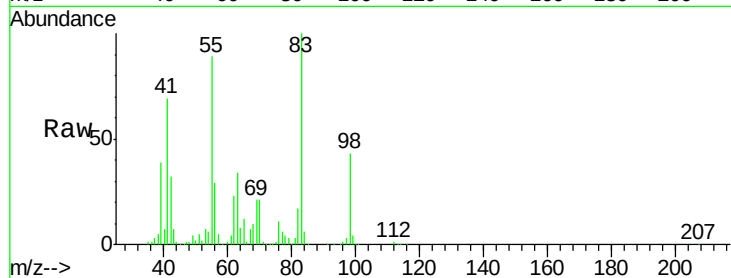
#39
Methylvlcyclohexane
Concen: 49.162 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Resp	Lower	Upper
83	100	293303		
55	88.9		73.1	109.7
98	43.0		33.9	50.9

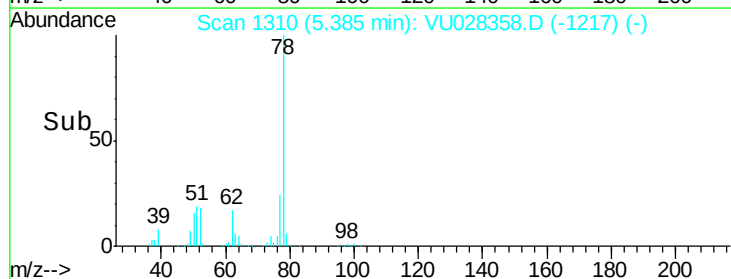
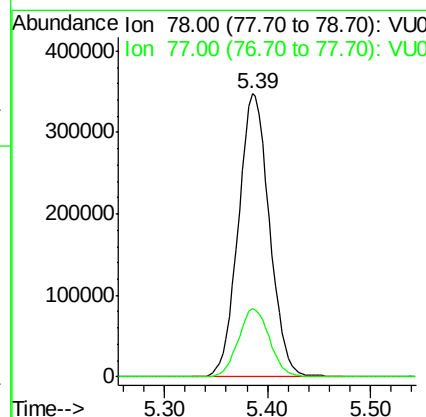
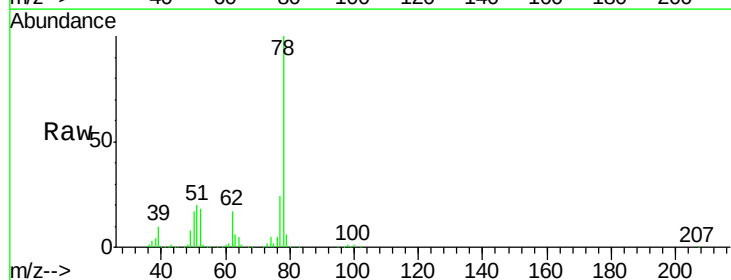
Manual Integrations
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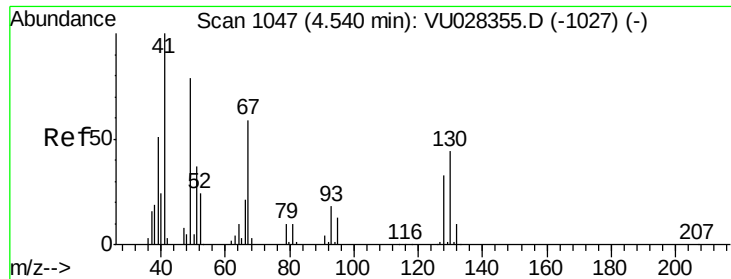
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#40
Benzene
Concen: 48.657 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	729225		
77	24.3		19.0	28.6





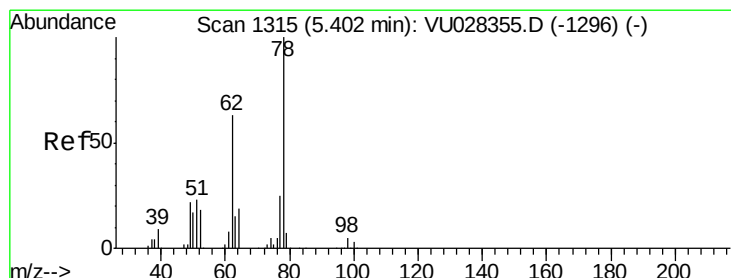
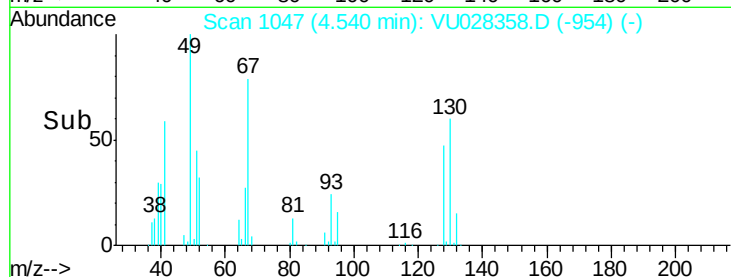
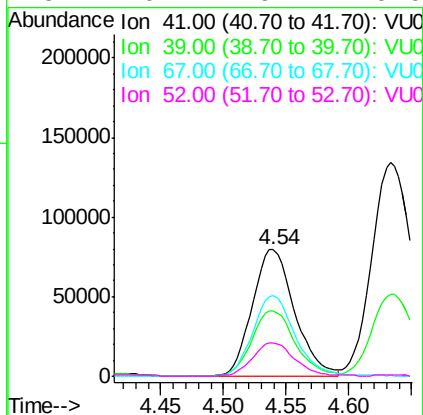
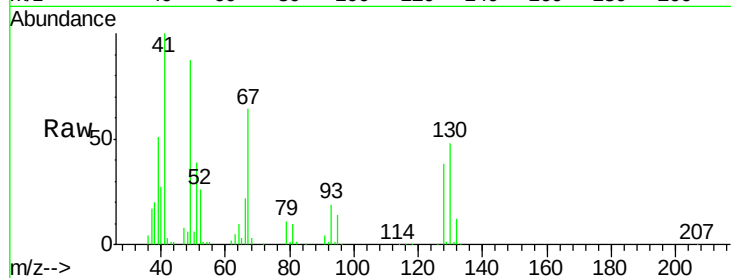
#41
Methacrylonitrile
Concen: 48.632 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.8	41.3	61.9	
67	63.9	48.6	73.0	
52	26.2	19.4	29.0	

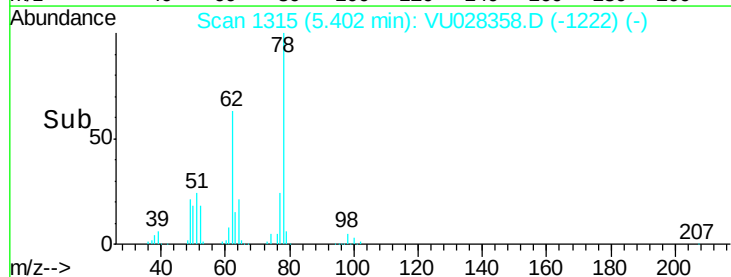
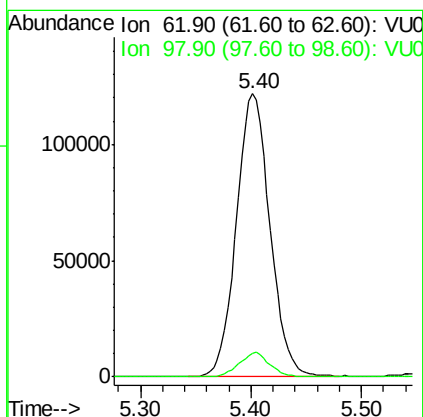
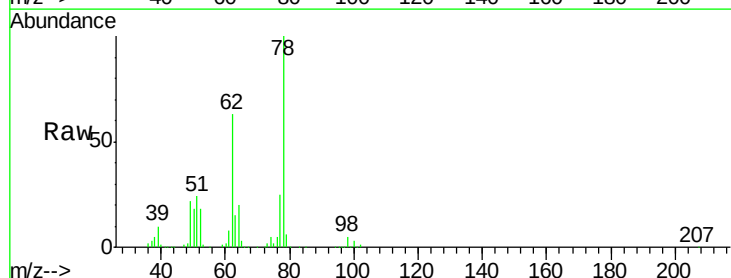
Manual Integrations
APPROVED

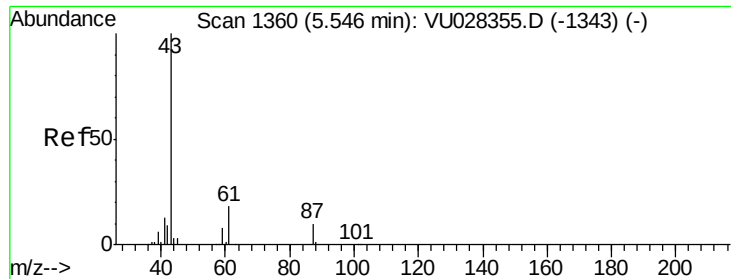
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11/29/2018 1:23:07 PM



#42
1,2-Dichloroethane
Concen: 47.646 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.4	





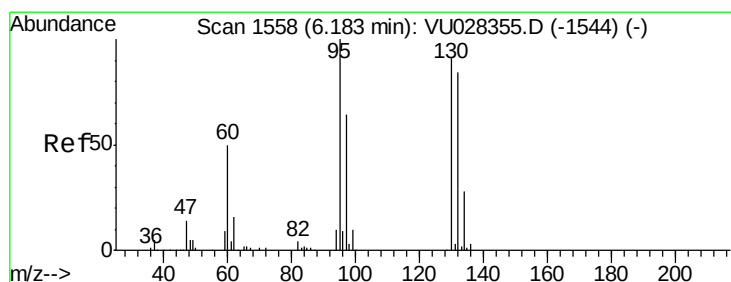
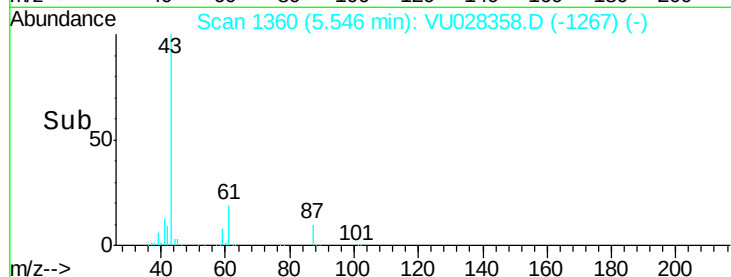
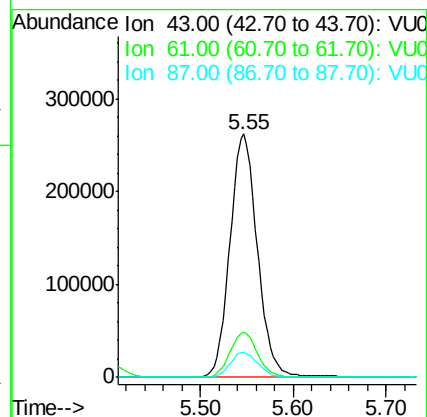
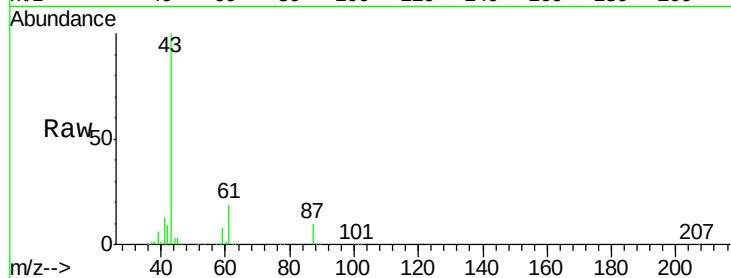
#43
Isopropyl Acetate
Concen: 48.980 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.5	21.7
87	10.4	8.4	12.6

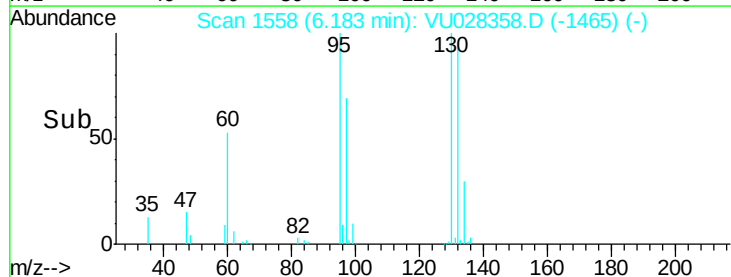
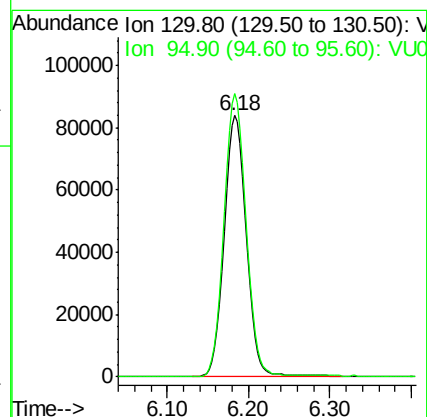
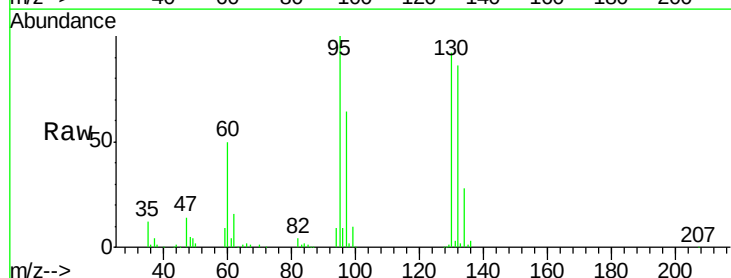
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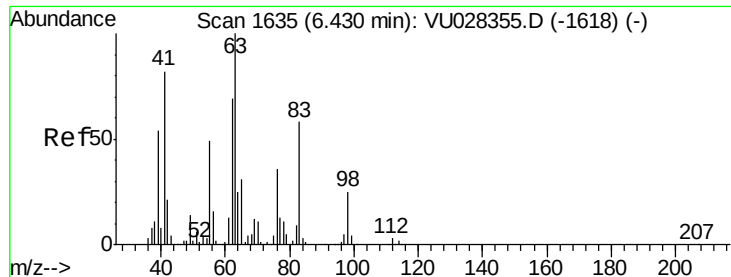
MMDadoda
11/29/2018 1:23:07 PM



#44
Trichloroethene
Concen: 50.600 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.4	0.0	219.8





#45

1,2-Dichloropropane

Concen: 48.113 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 63 Resp: 211161

Ion Ratio Lower Upper

63 100

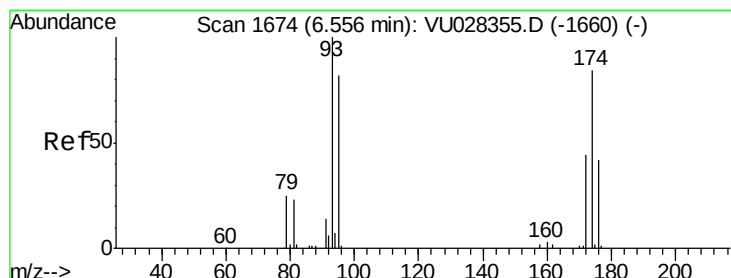
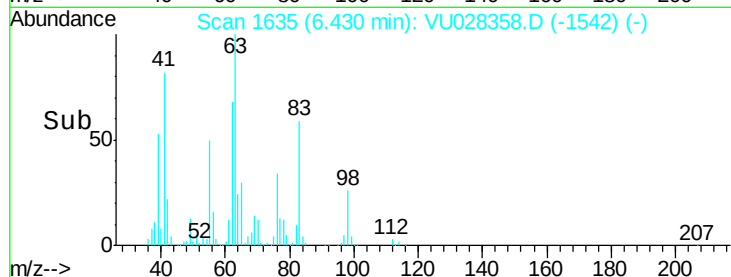
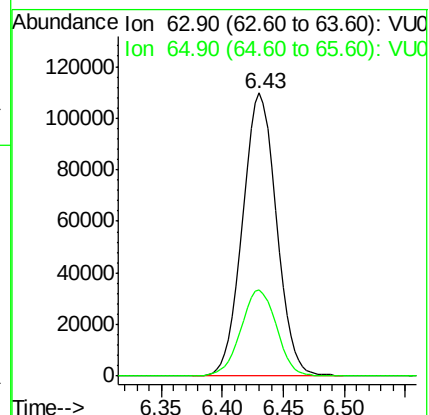
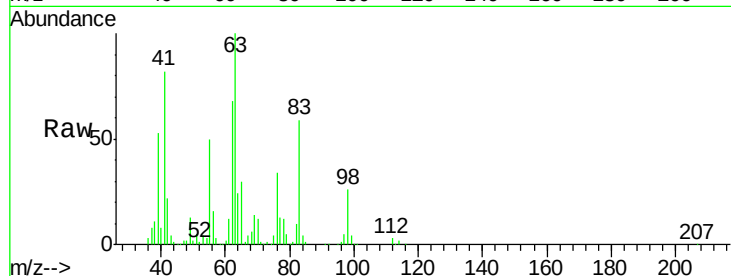
65 30.5 25.1 37.7

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11/29/2018 1:23:07 PM



#46

Dibromomethane

Concen: 46.853 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

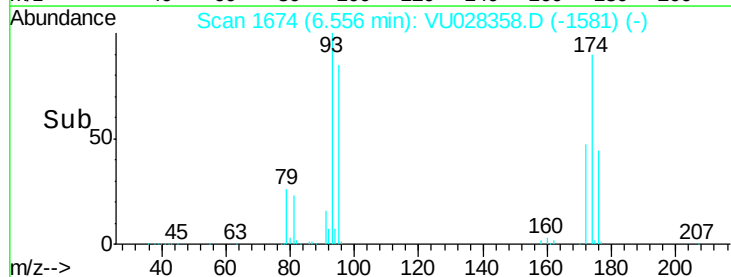
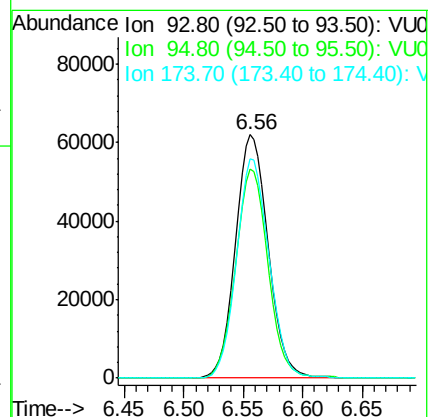
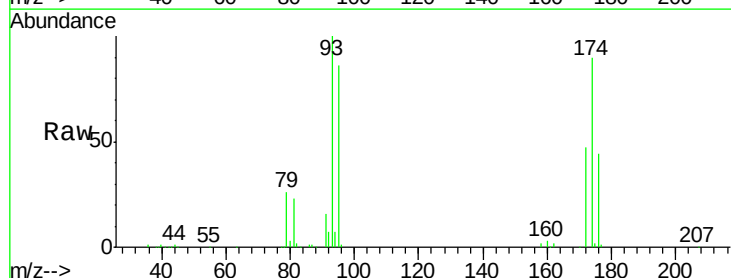
Tgt Ion: 93 Resp: 118115

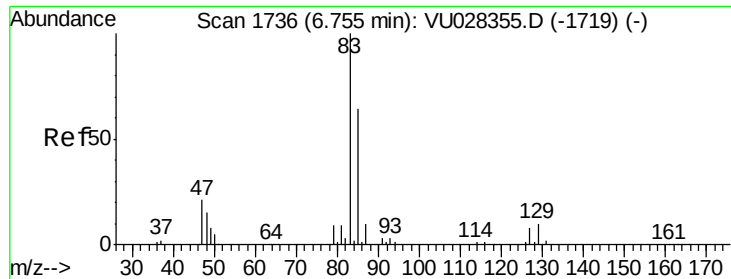
Ion Ratio Lower Upper

93 100

95 85.1 65.1 97.7

174 89.8 69.9 104.9





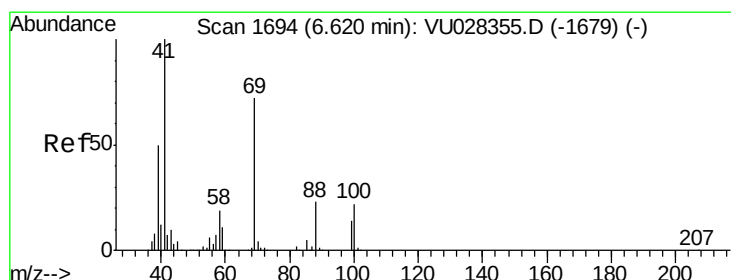
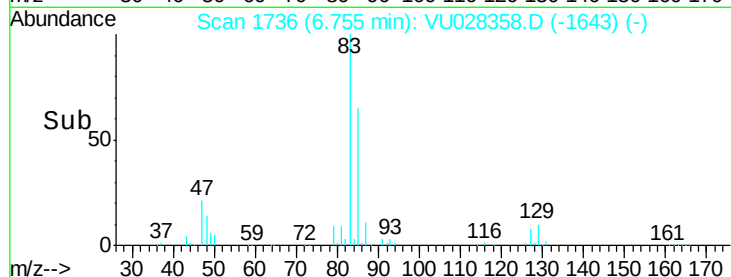
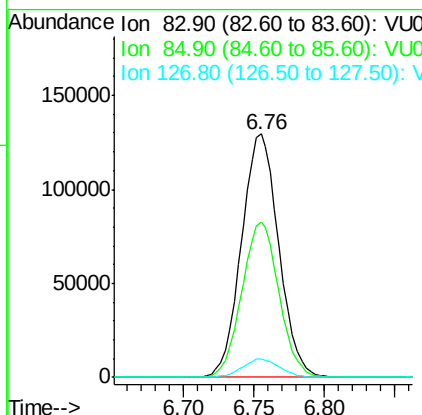
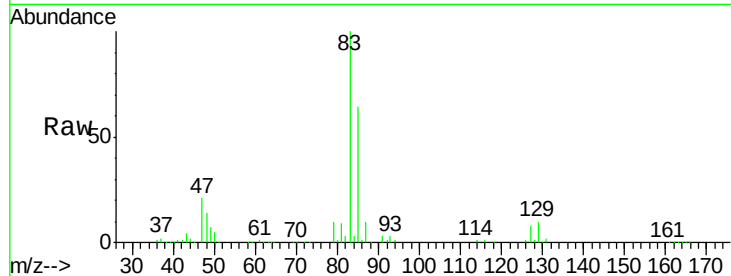
#47
Bromodichloromethane
Concen: 47.719 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	83	Resp	239278
Ion Ratio	100	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	7.6	6.2	9.4

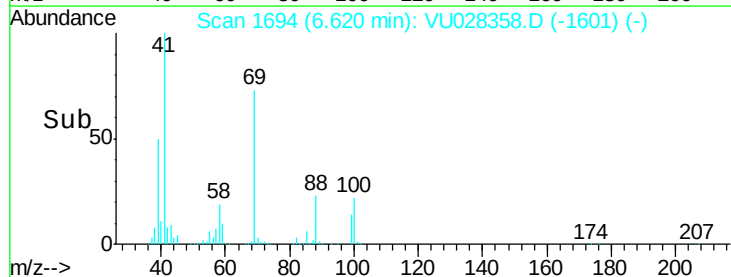
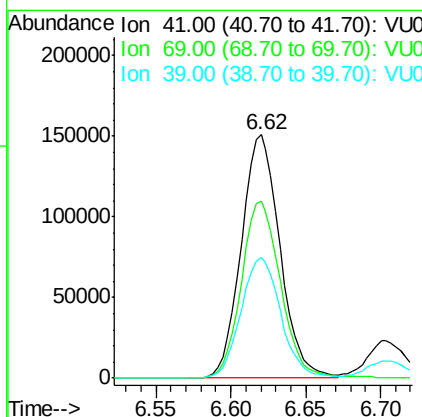
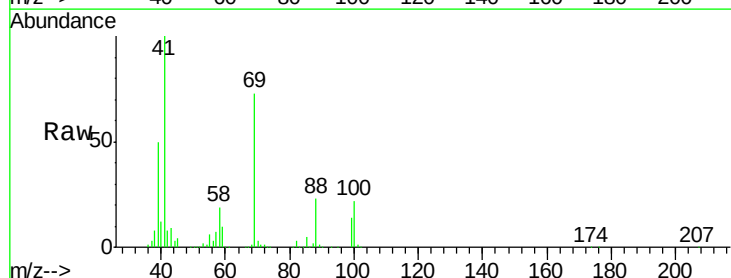
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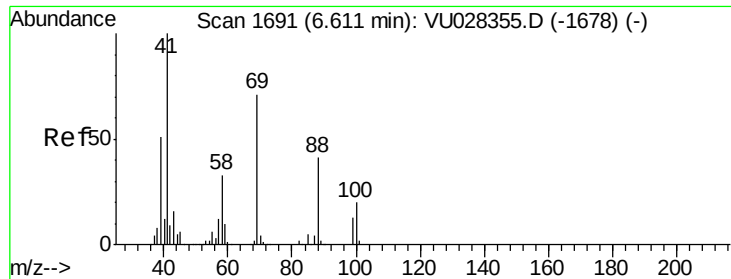
MMDadoda
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#48
Methyl methacrylate
Concen: 47.624 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	41	Resp	271086
Ion Ratio	100	Lower	Upper
41	100		
69	74.0	59.0	88.4
39	50.8	40.5	60.7





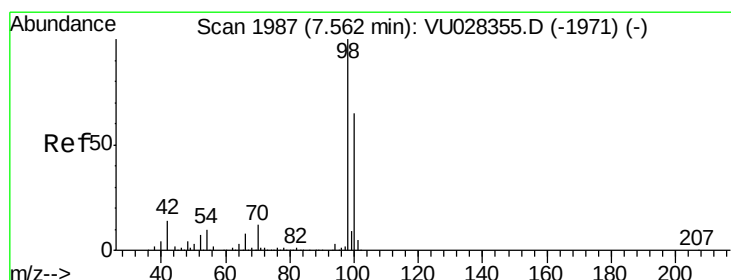
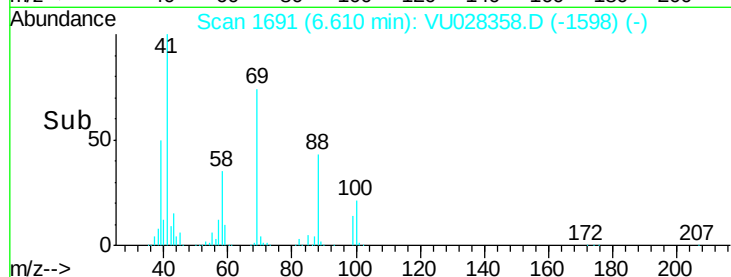
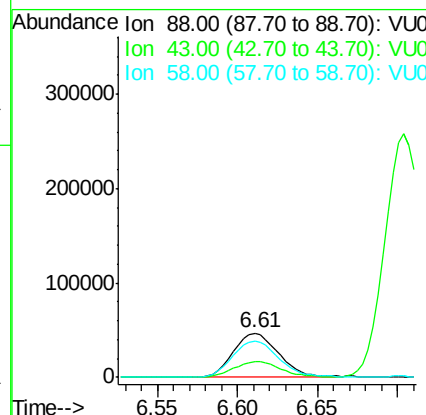
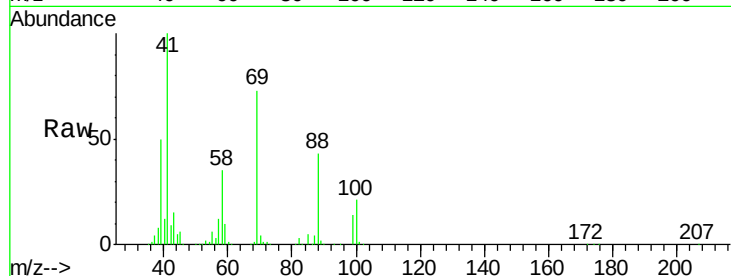
#49
1,4-Dioxane
Concen: 984.140 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	88	Resp	89492
Ion Ratio	Lower	Upper	
88	100		
43	36.7	32.6	48.8
58	85.7	68.7	103.1

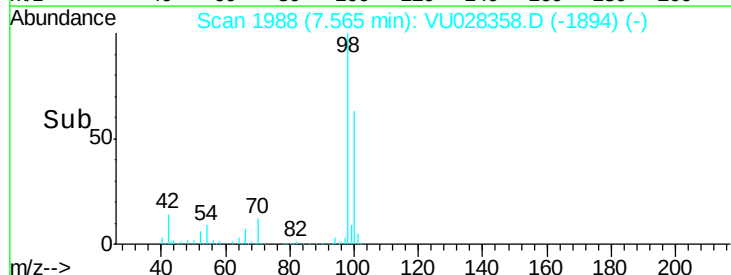
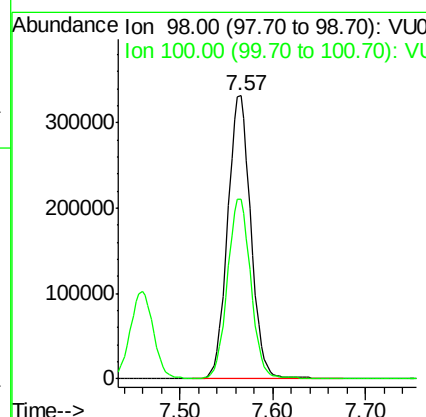
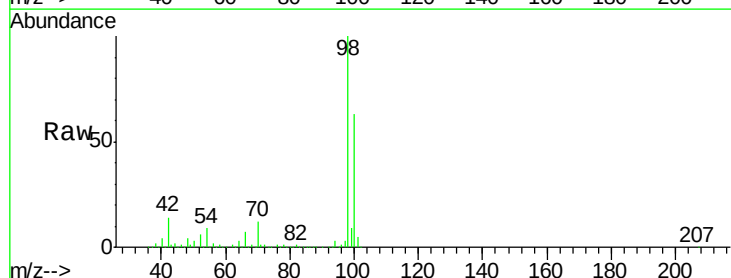
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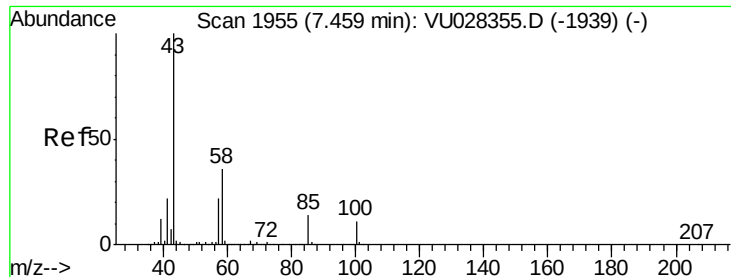
MMDadoda
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#50
Toluene-d8
Concen: 46.878 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	98	Resp	576482
Ion Ratio	Lower	Upper	
98	100		
100	63.5	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 237.003 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 43 Resp: 1654114

Ion Ratio Lower Upper

43 100

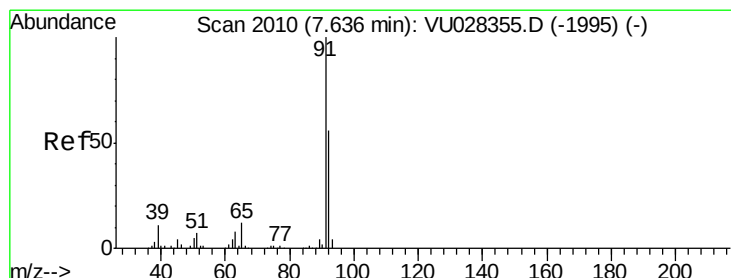
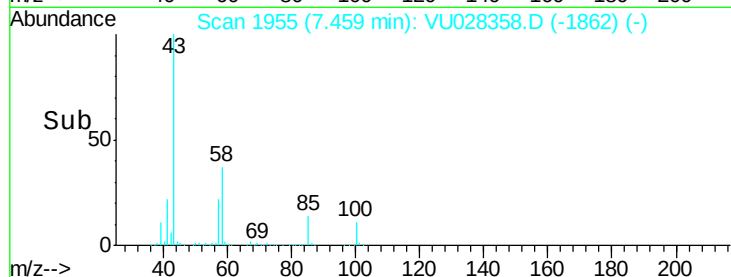
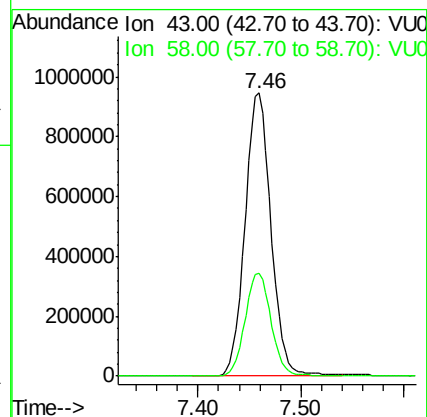
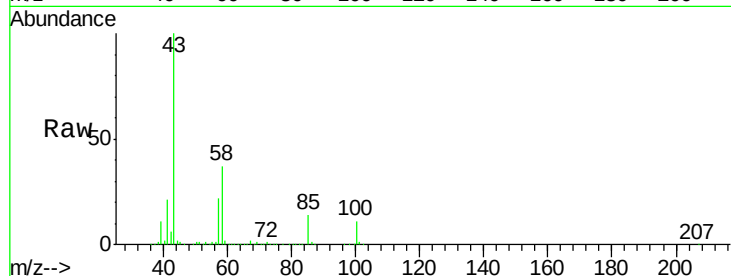
58 36.7 28.8 43.2

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11/29/2018 1:23:07 PM



#52

Toluene

Concen: 48.868 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU028358.D

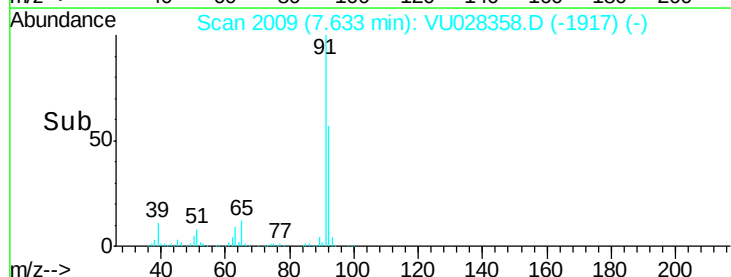
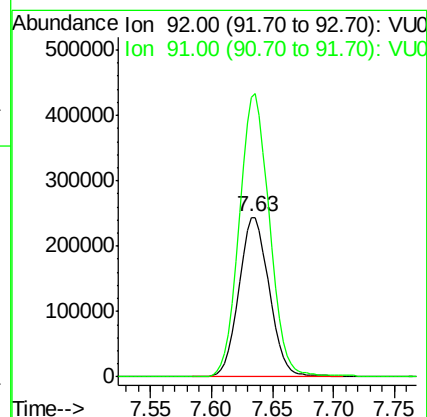
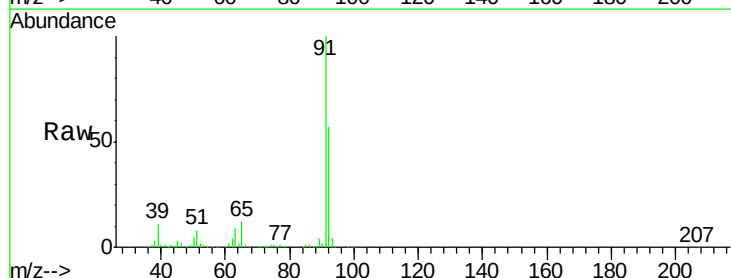
Acq: 28 Nov 2018 11:47

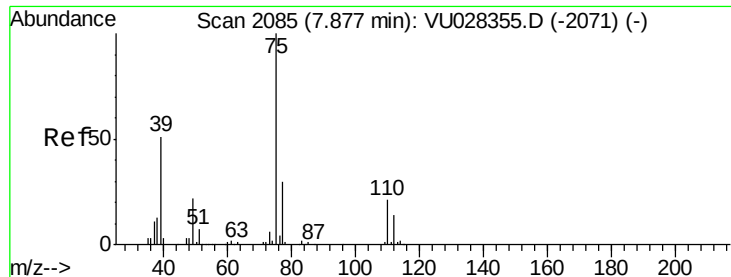
Tgt Ion: 92 Resp: 421746

Ion Ratio Lower Upper

92 100

91 176.5 141.8 212.6





#53

t-1,3-Dichloropropene

Concen: 47.248 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tot Ion: 75 Resp: 283294

Ion Ratio Lower Upper

75 100

77 31.7 24.1 36.1

Instrument :

MSVOA_U

ClientSampleId :

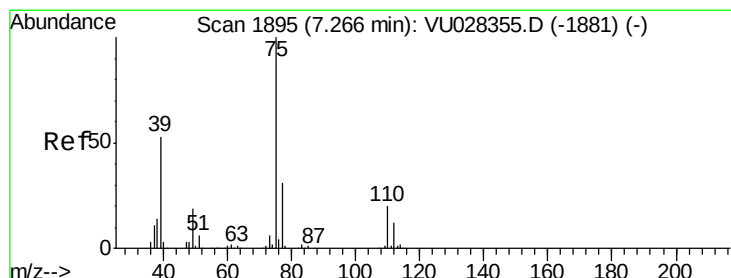
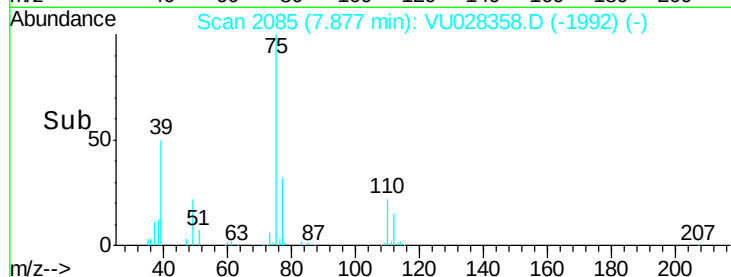
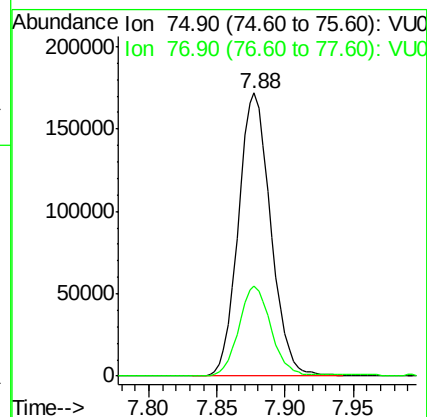
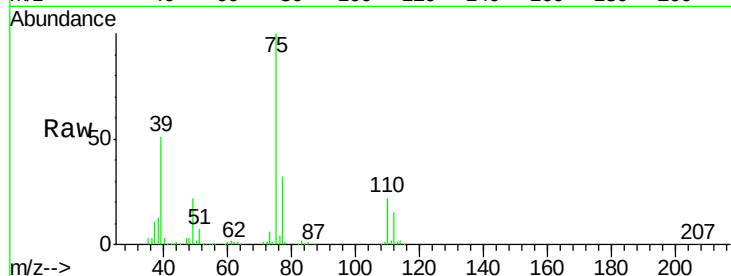
ICVVU112818

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11/29/2018 1:23:07 PM



#54

cis-1,3-Dichloropropene

Concen: 47.657 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

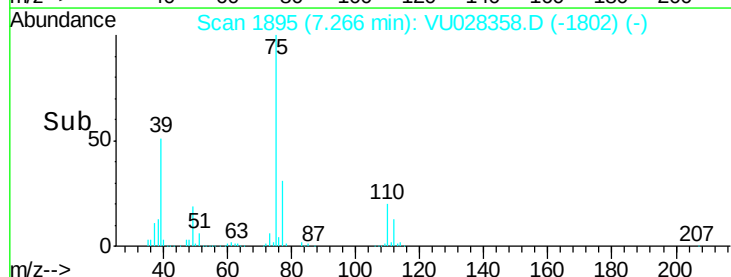
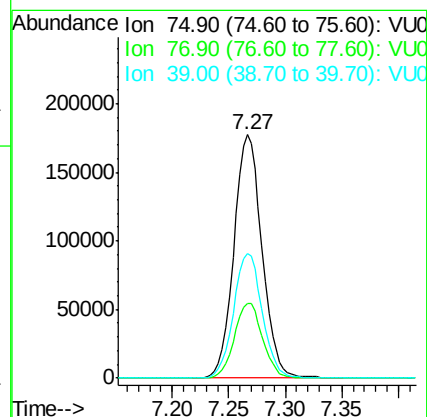
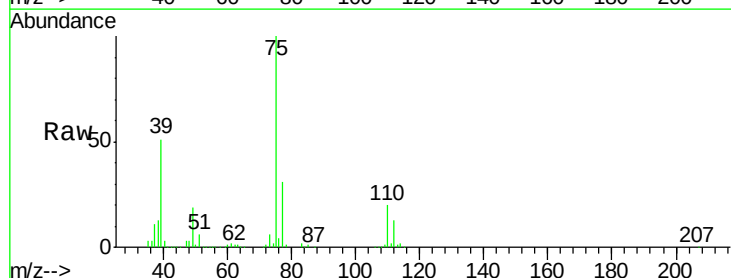
Tgt Ion: 75 Resp: 306126

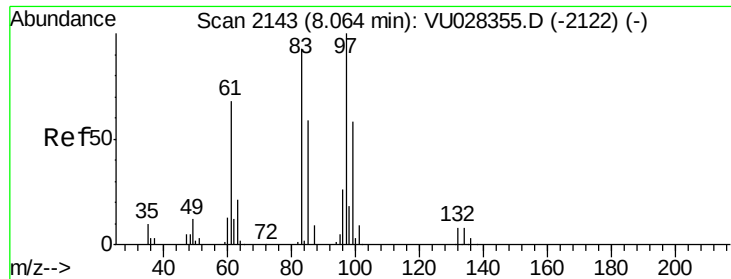
Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 51.0 42.6 64.0





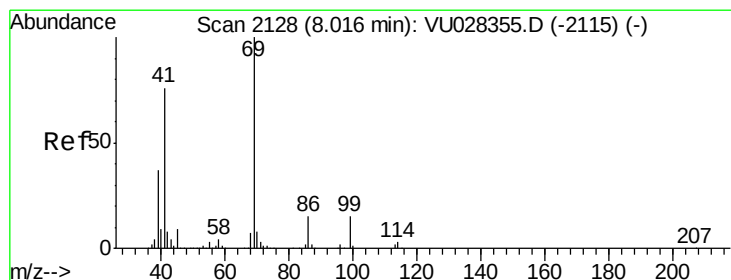
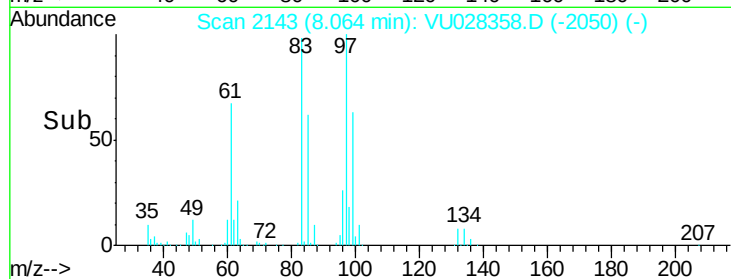
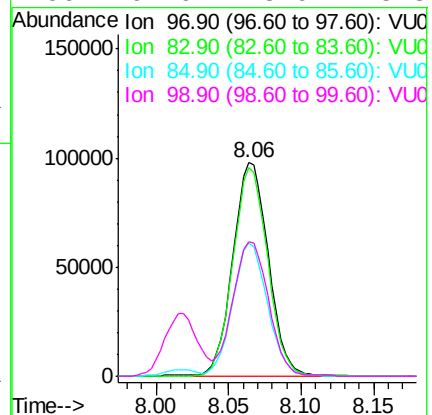
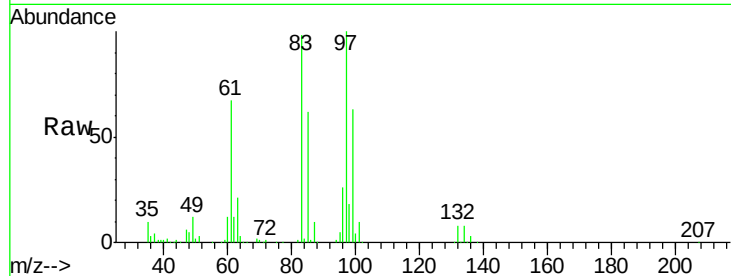
#55
 1,1,2-Trichloroethane
 Concen: 45.944 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion:	97	Resp:	165020
Ion	Ratio	Lower	Upper
97	100		
83	97.7	74.3	111.5
85	62.1	47.2	70.8
99	62.9	48.9	73.3

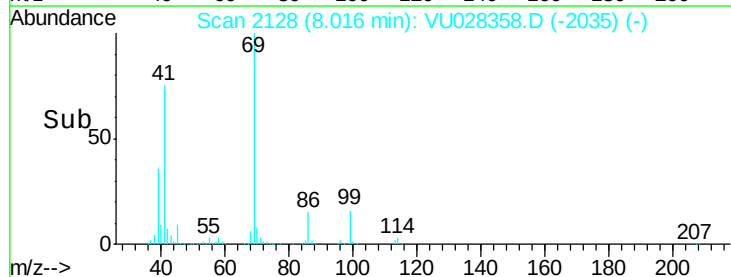
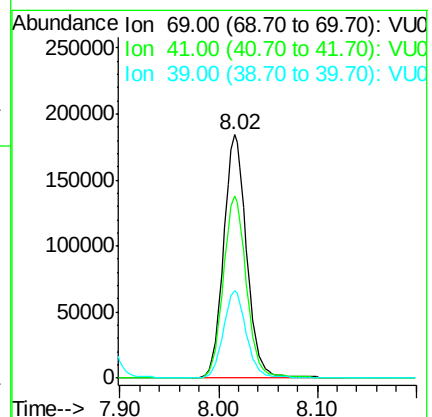
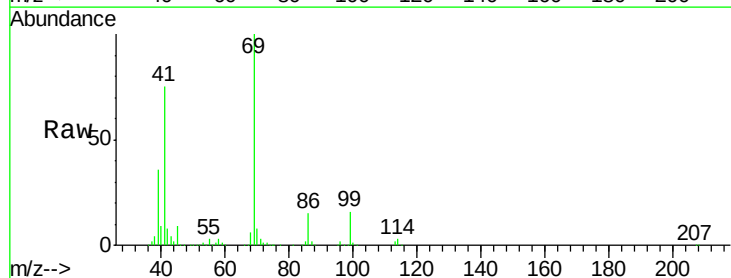
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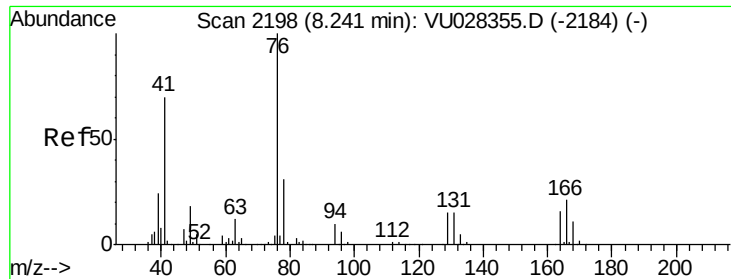
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#56
 Ethyl methacrylate
 Concen: 49.552 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion:	69	Resp:	302786
Ion	Ratio	Lower	Upper
69	100		
41	74.5	60.0	90.0
39	35.5	29.0	43.6





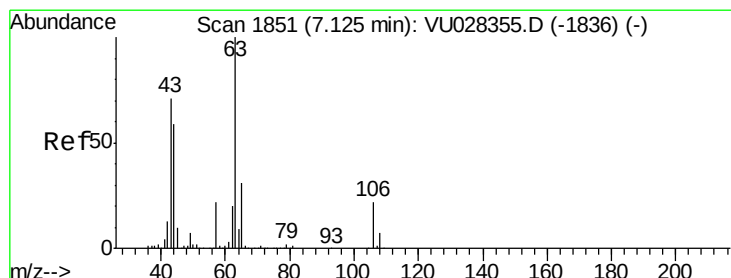
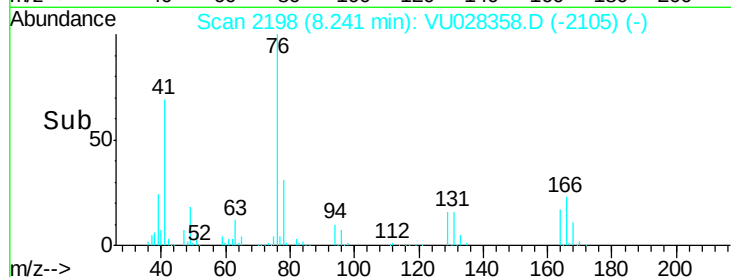
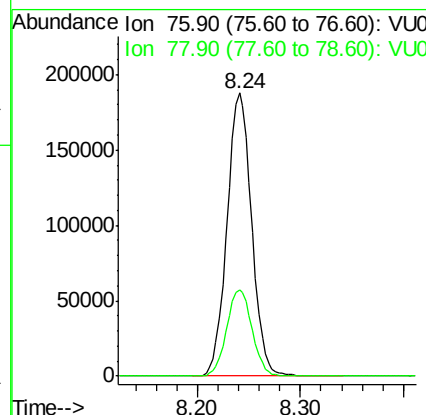
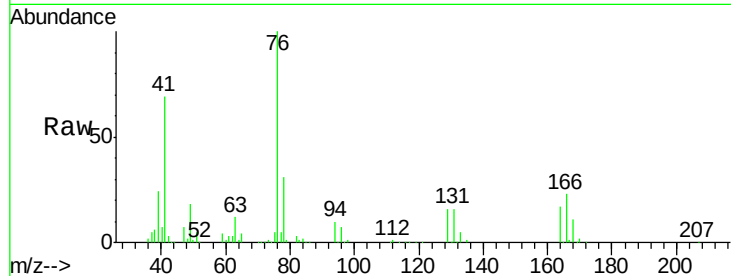
#57
 1,3-Dichloropropane
 Concen: 47.434 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion: 76 Resp: 312439
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0

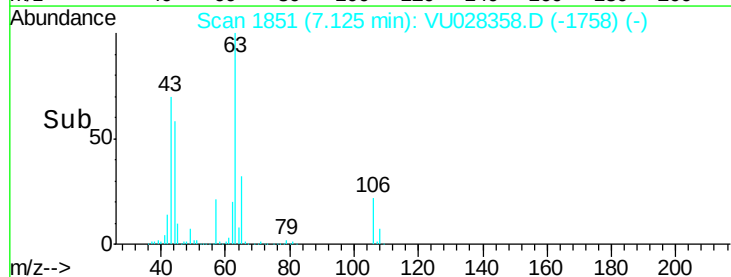
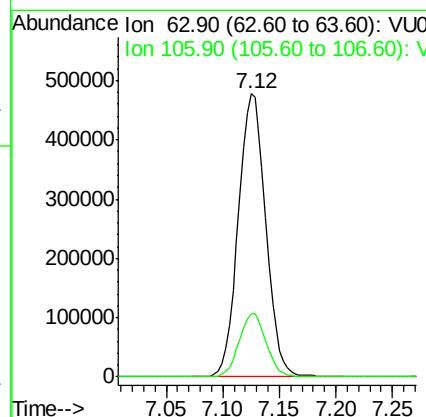
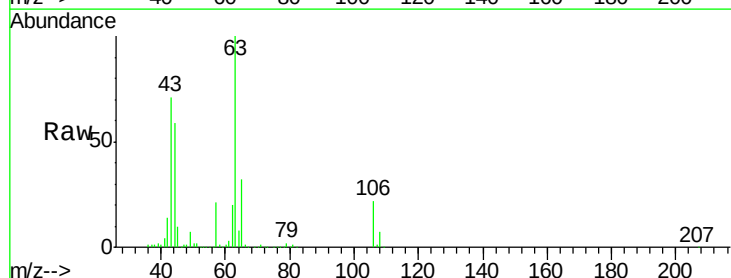
Manual Integrations
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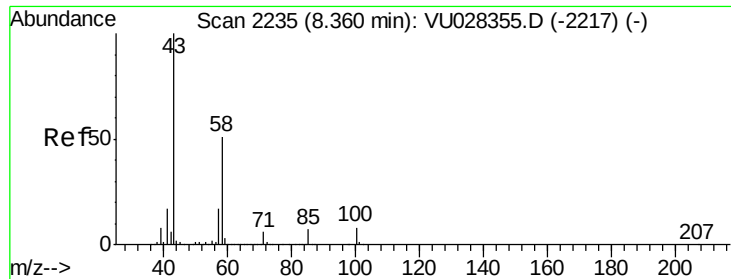
MMDadoda
 11/29/2018 1:23:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.522 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion: 63 Resp: 808744
 Ion Ratio Lower Upper
 63 100
 106 22.0 17.3 25.9





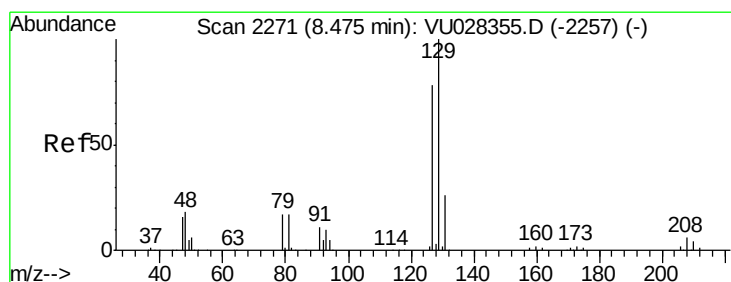
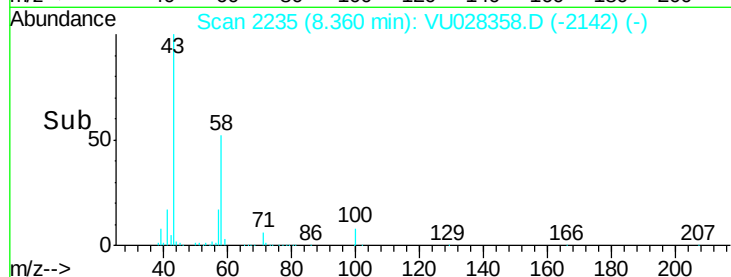
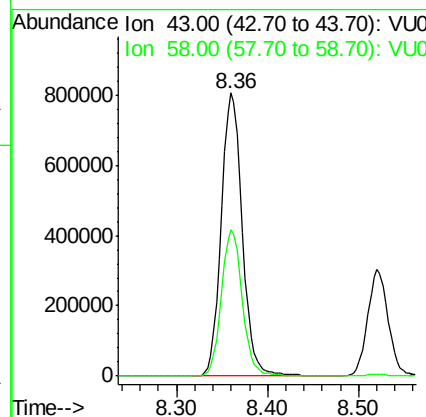
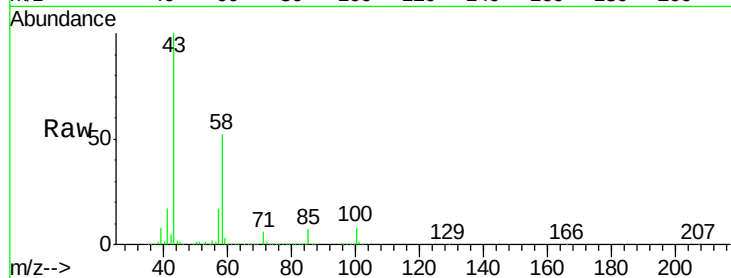
#59
2-Hexanone
Concen: 239.843 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion: 43 Resp: 1296631
Ion Ratio Lower Upper
43 100
58 51.4 25.5 76.5

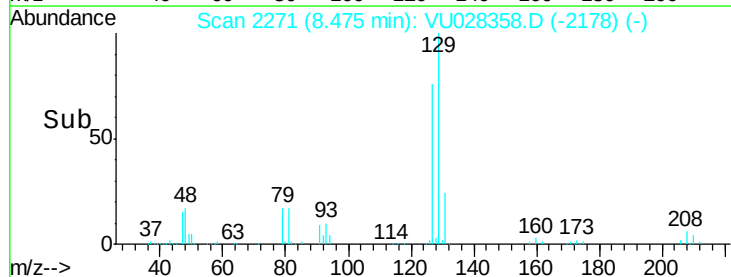
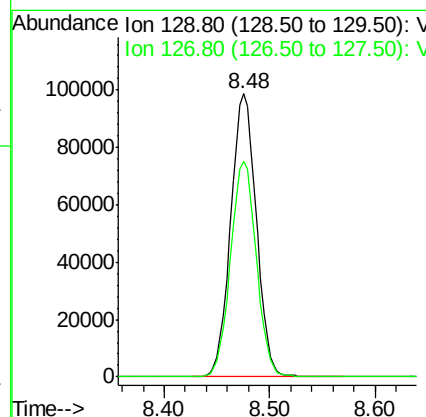
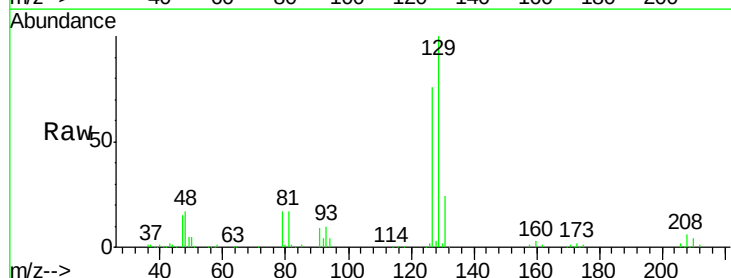
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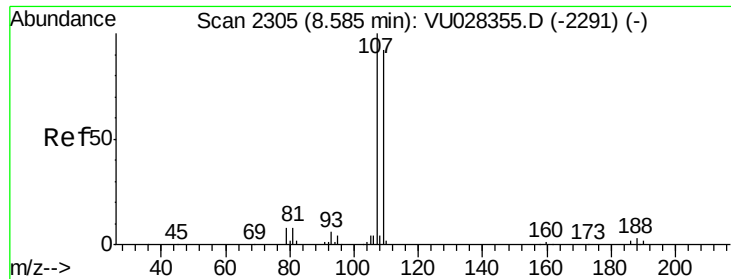
MMDadoda
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#60
Dibromochloromethane
Concen: 48.525 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion: 129 Resp: 165762
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.7





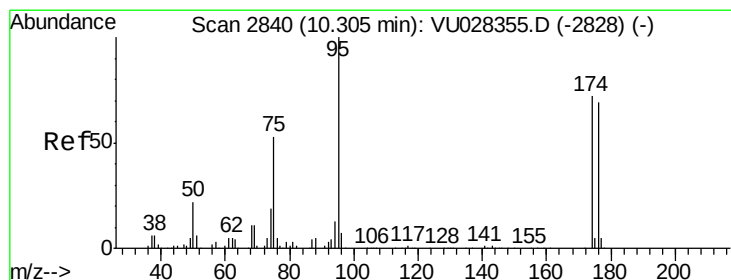
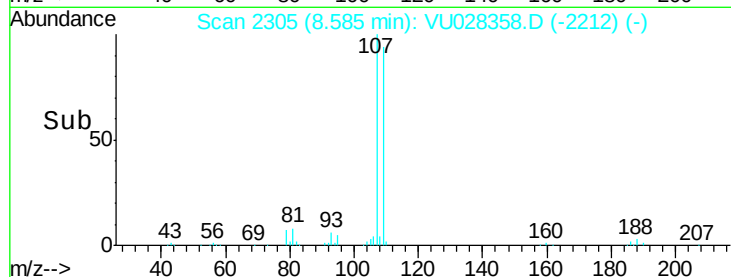
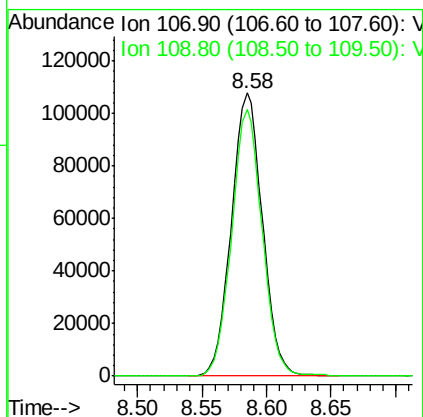
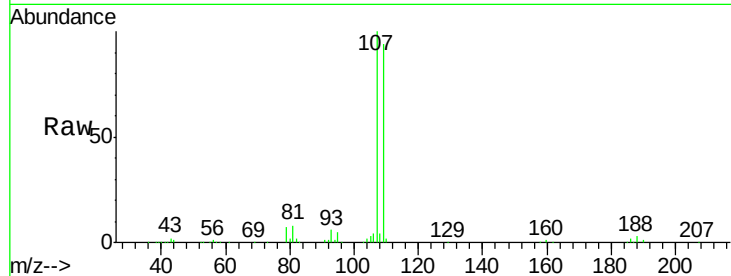
#61
 1,2-Dibromoethane
 Concen: 48.954 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	73.2	109.8

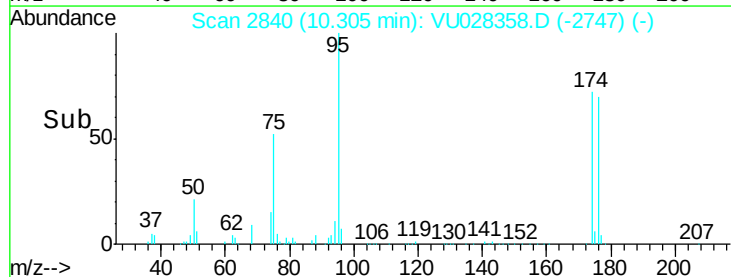
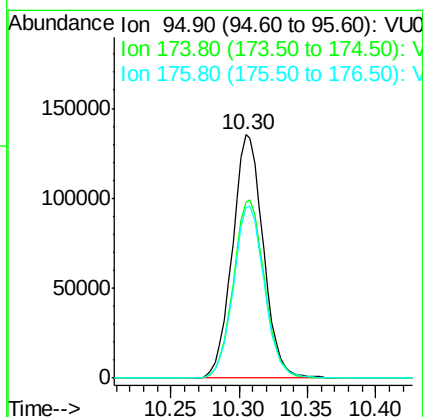
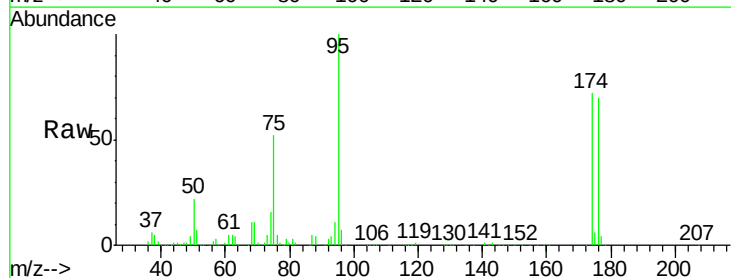
Manual Integrations
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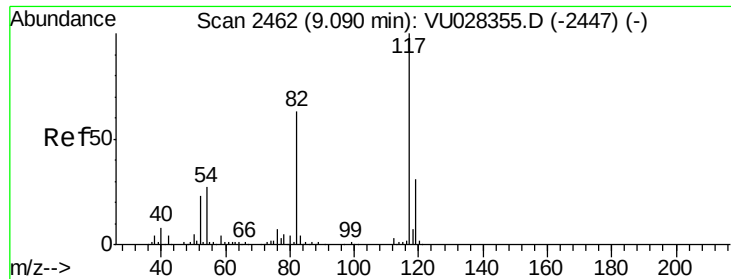
MMDadoda
 11/29/2018 1:23:07 PM



#62
 4-Bromofluorobenzene
 Concen: 47.873 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.4
176	70.8	0.0	140.8





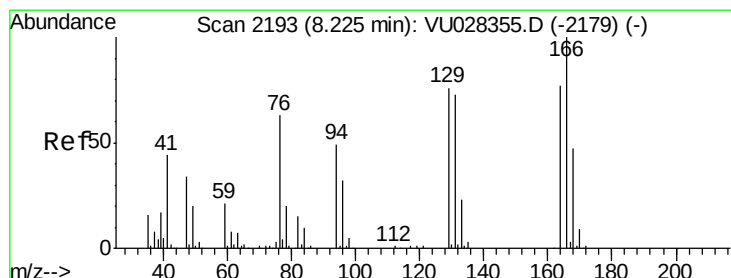
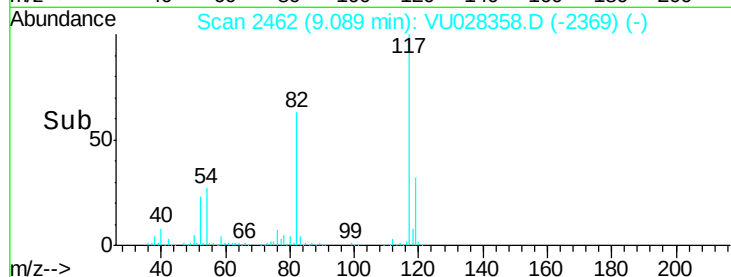
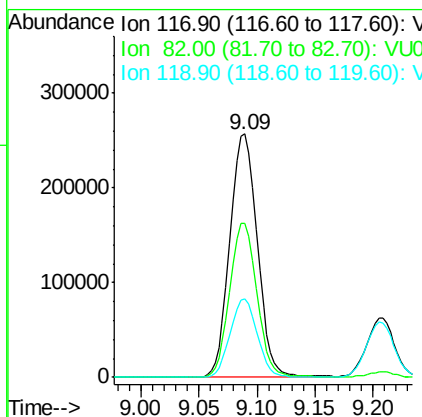
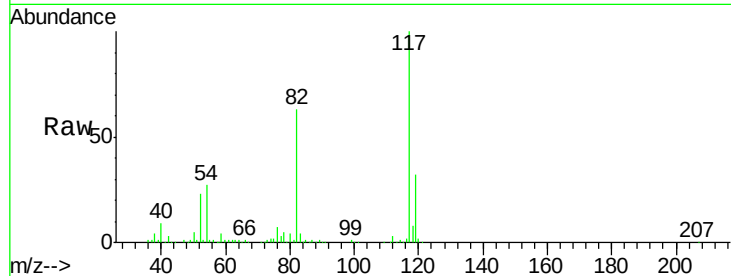
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	50.3	75.5
119	32.5	24.8	37.2

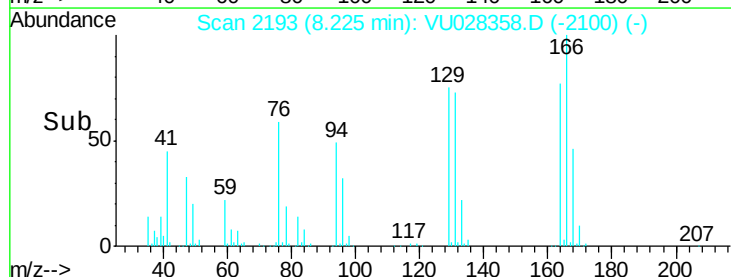
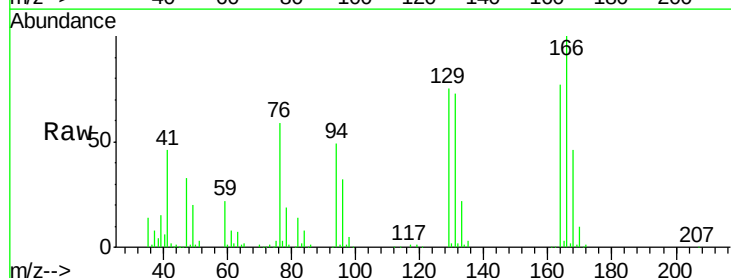
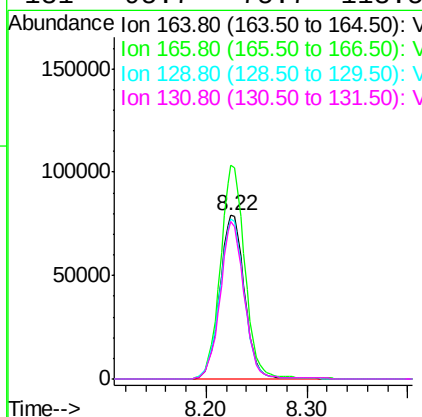
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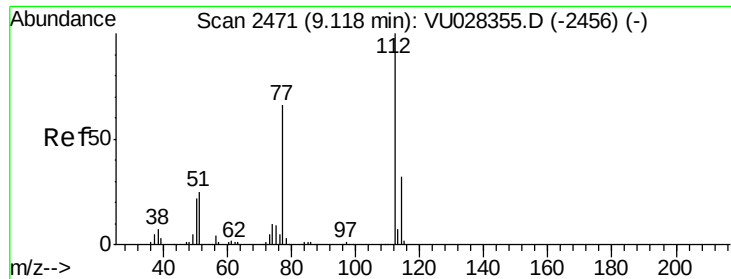
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#64
Tetrachloroethene
Concen: 48.852 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.0	156.0
129	98.1	79.2	118.8
131	95.7	75.7	113.5





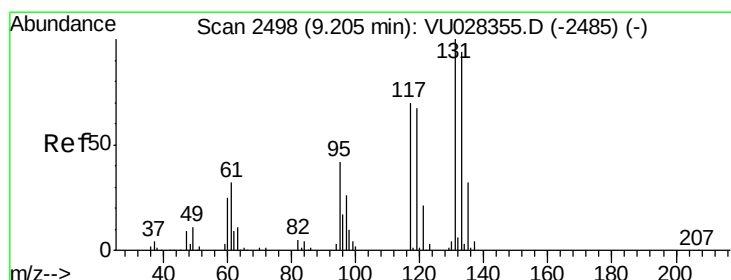
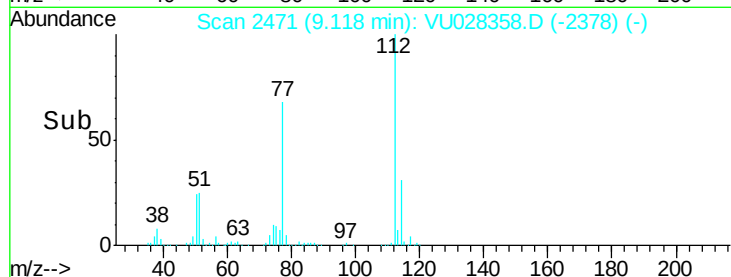
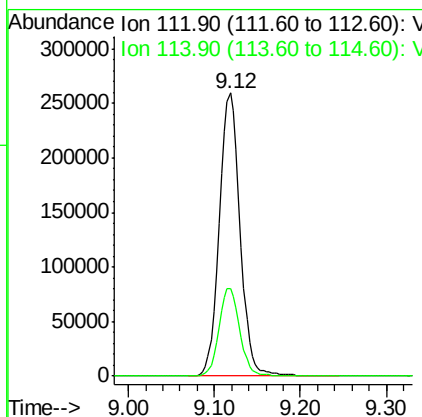
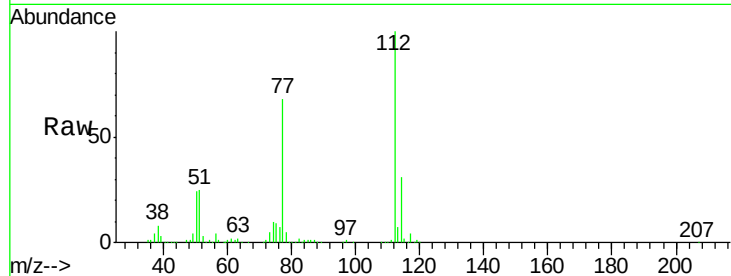
#65
Chlorobenzene
Concen: 49.606 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion:112 Resp: 435403
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5

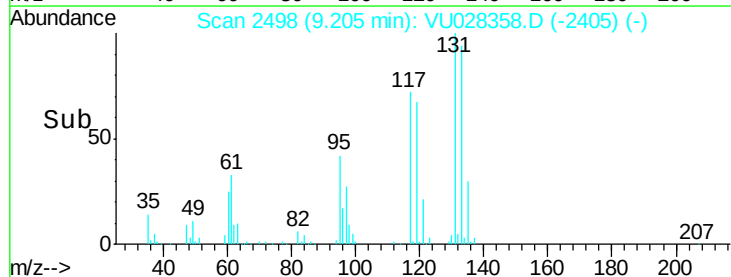
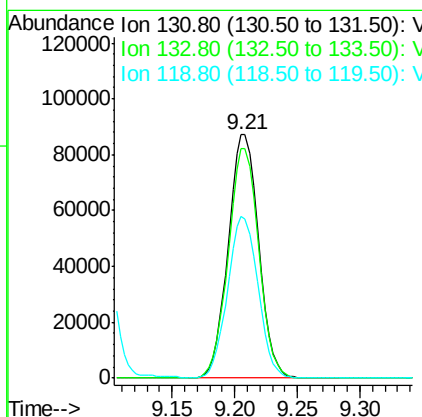
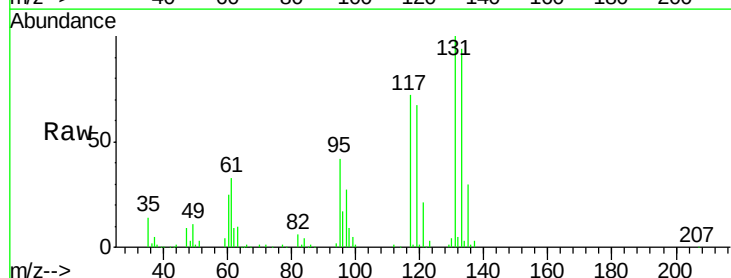
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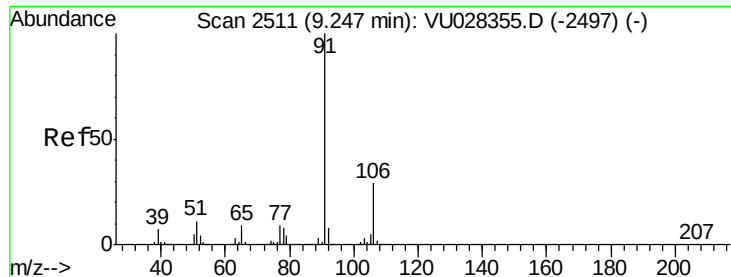
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11/29/2018 1:23:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.804 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion:131 Resp: 146832
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 66.7 34.1 102.2





#67

Ethyl Benzene

Concen: 49.835 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 91 Resp: 823829

Ion Ratio Lower Upper

91 100

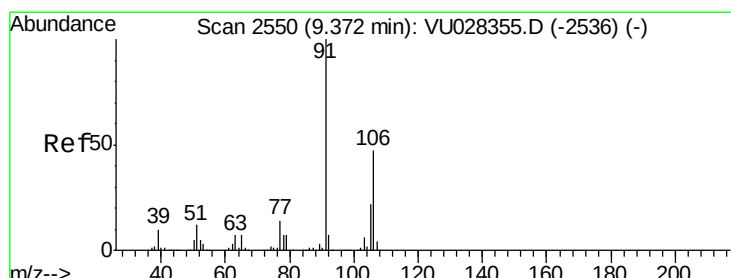
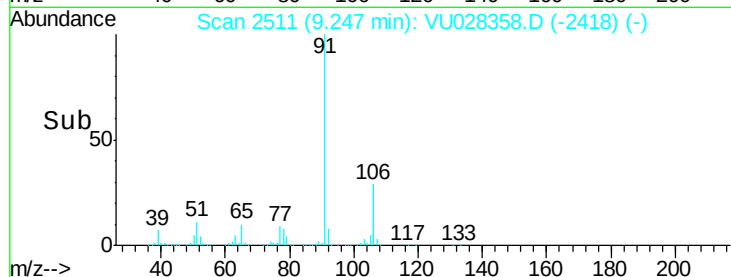
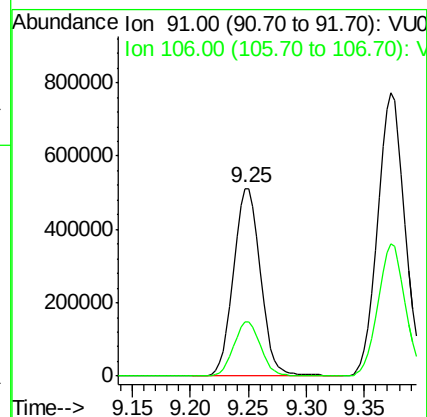
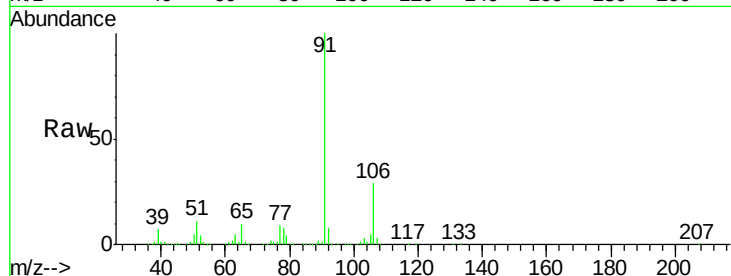
106 29.0 23.3 34.9

Manual Integrations

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11/29/2018 1:23:07 PM



#68

m/p-Xylenes

Concen: 100.472 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028358.D

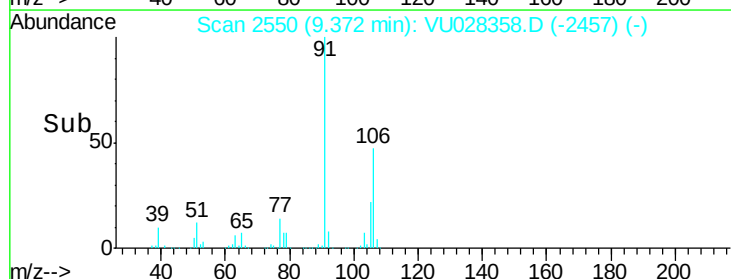
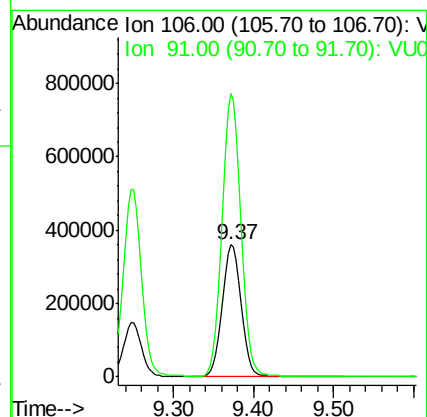
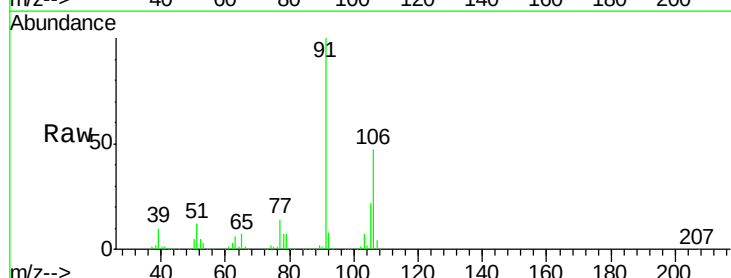
Acq: 28 Nov 2018 11:47

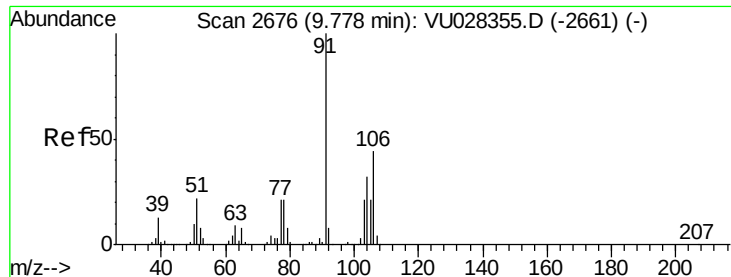
Tgt Ion: 106 Resp: 597825

Ion Ratio Lower Upper

106 100

91 212.8 171.0 256.6





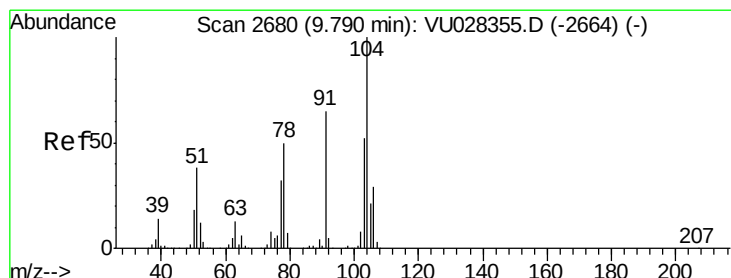
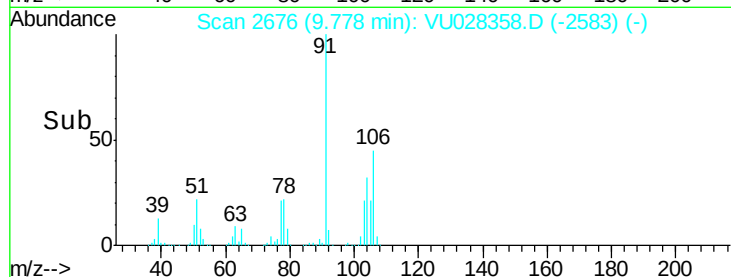
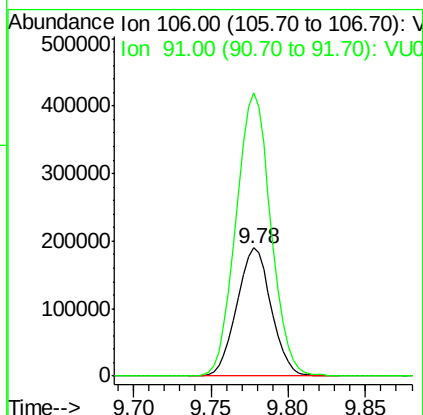
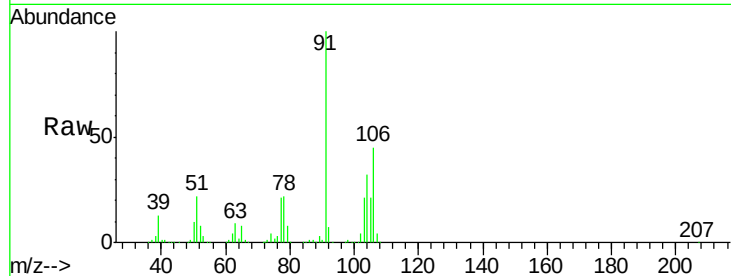
#69
o-Xylene
Concen: 49.658 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		293727		
91	223.5	112.7	338.0		

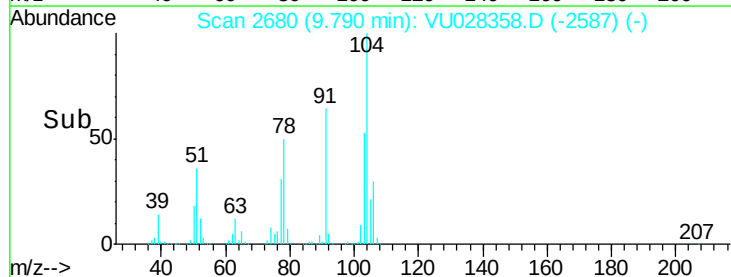
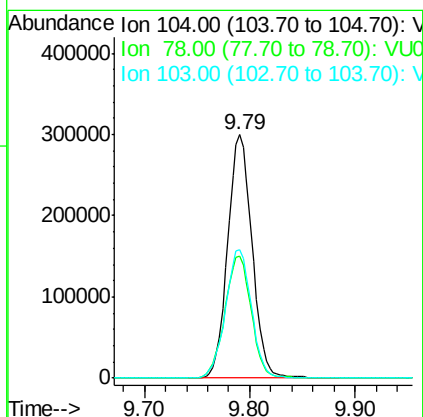
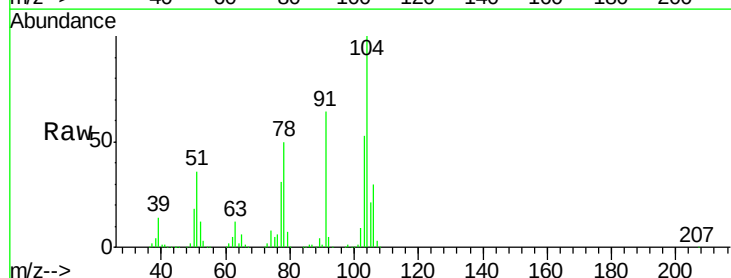
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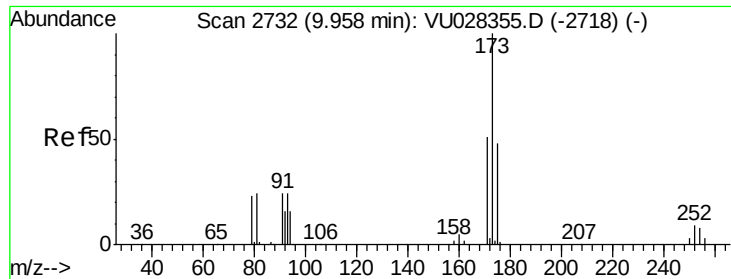
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#70
Styrene
Concen: 50.303 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		479876		
78	54.4	43.3	64.9		
103	56.2	44.8	67.2		





#71

Bromoform

Concen: 49.399 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

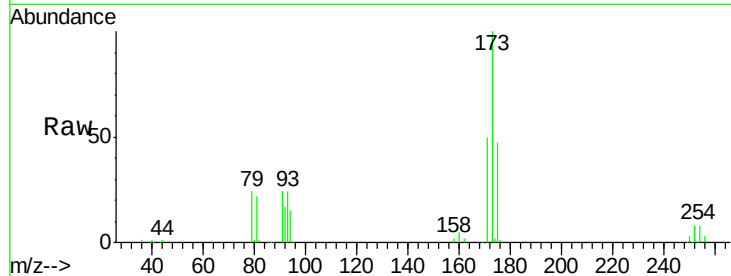
ClientSampleId :

ICVVU112818

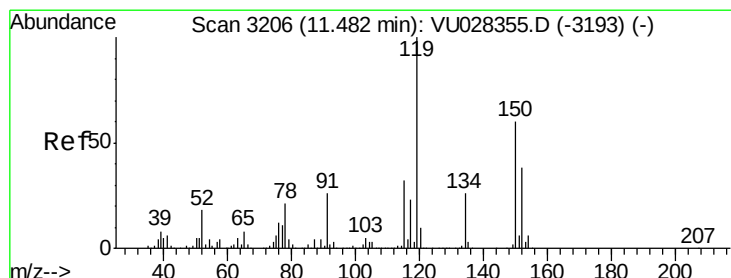
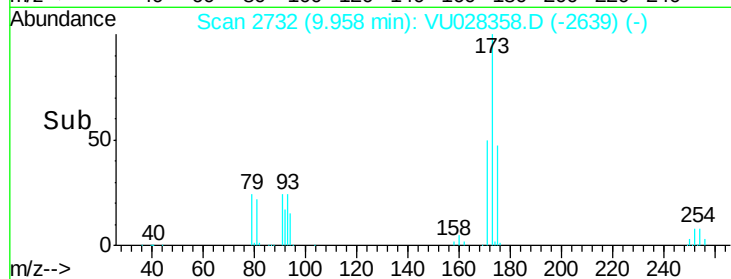
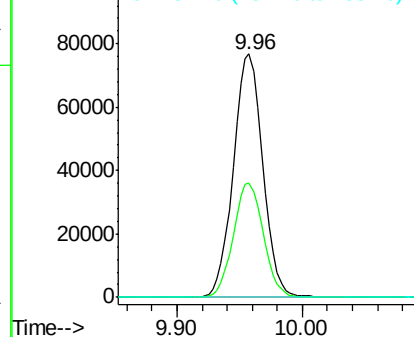
Tot Ion:	173	Resp:	124920
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.1	72.4
254	0.0	0.0	0.0

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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

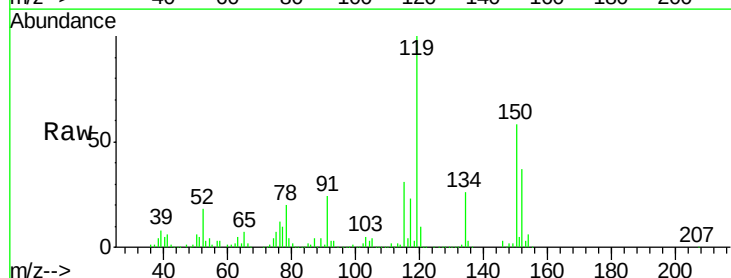
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

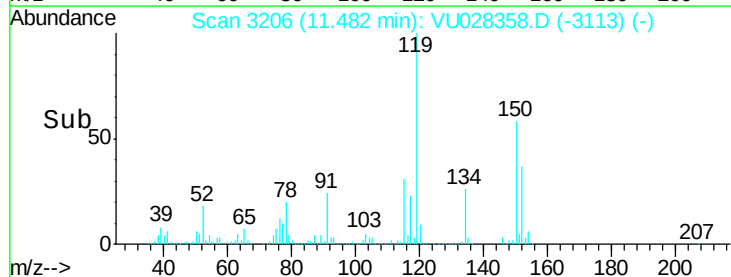
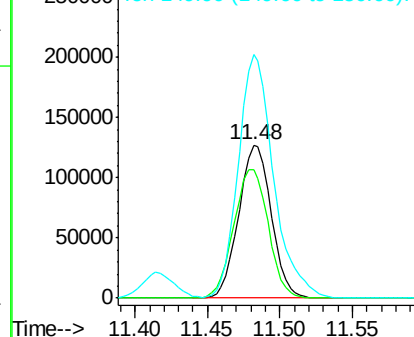
Lab File: VU028358.D

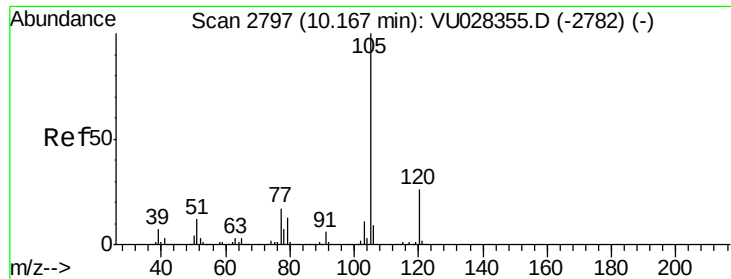
Acq: 28 Nov 2018 11:47

Tgt Ion:	152	Resp:	198419
Ion Ratio	Lower	Upper	
152	100		
115	89.1	45.0	134.8
150	172.5	0.0	349.2



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





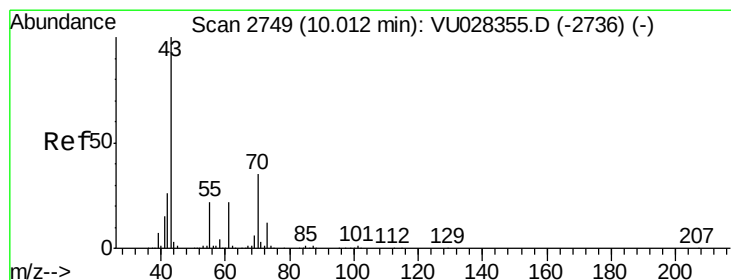
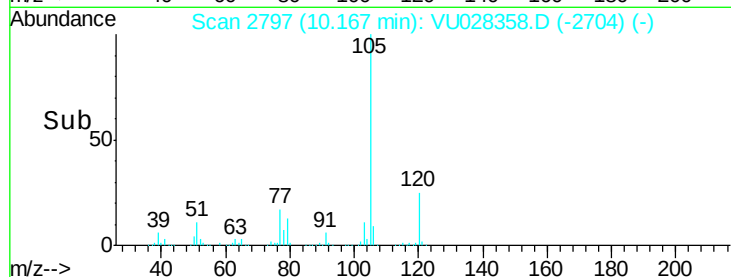
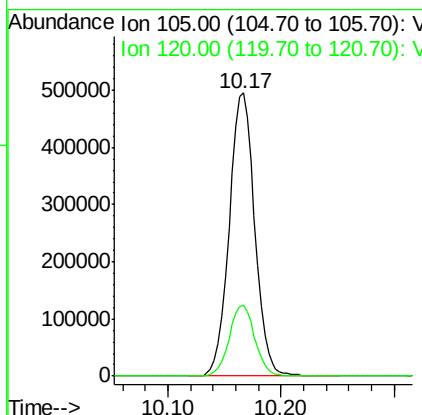
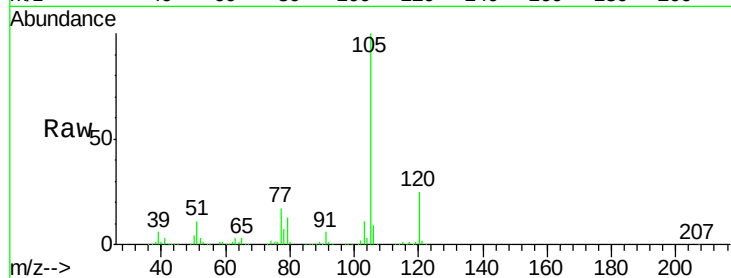
#73
Isopropylbenzene
Concen: 50.172 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3

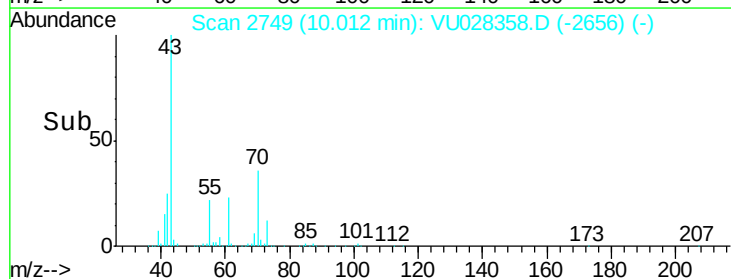
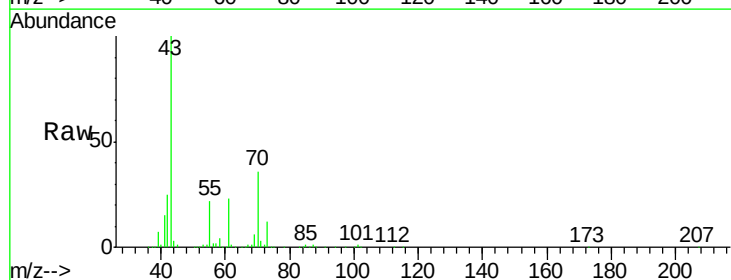
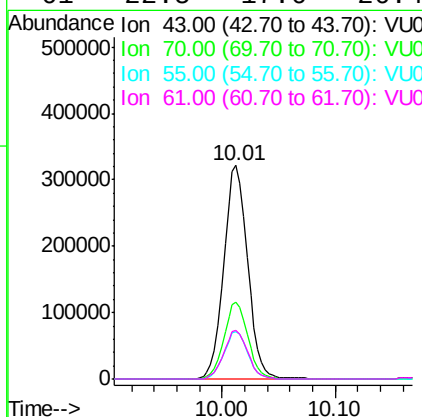
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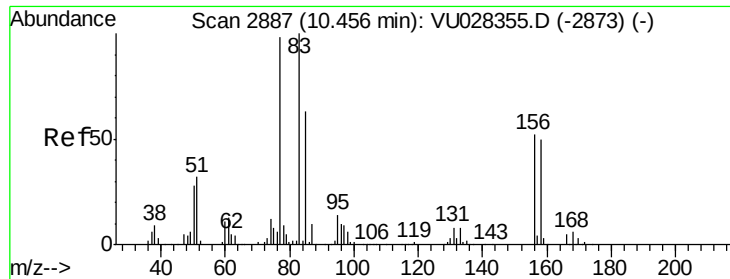
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#74
N-ethyl acetate
Concen: 48.832 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.0	28.4	42.6
55	22.5	18.0	27.0
61	22.5	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.919 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

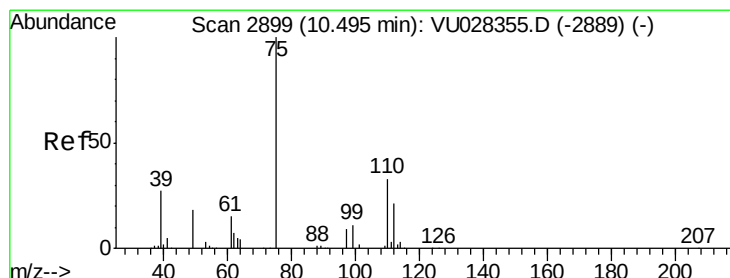
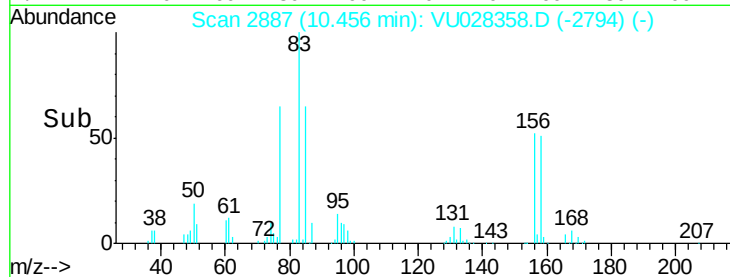
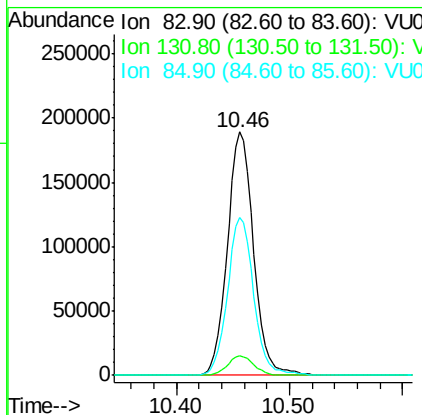
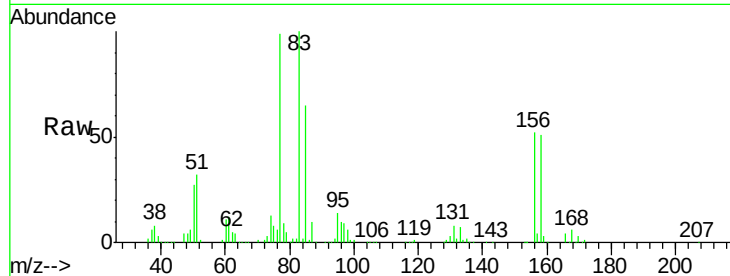
ClientSampleId :

ICVVU112818

Tot Ion:	83	Resp:	304096
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.2
85	65.0	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.985 ug/l m

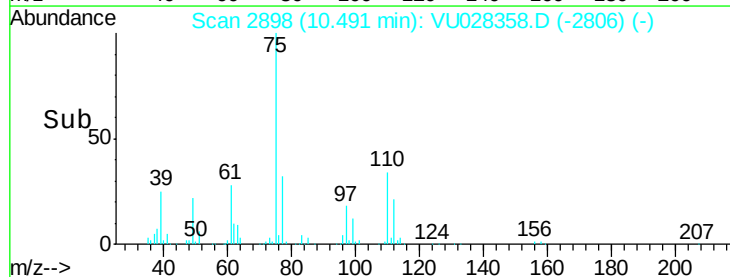
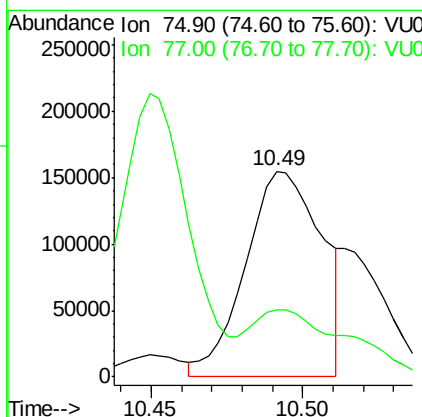
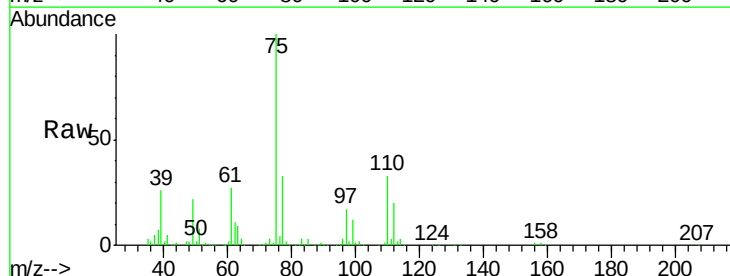
RT: 10.49 min Scan# 2898

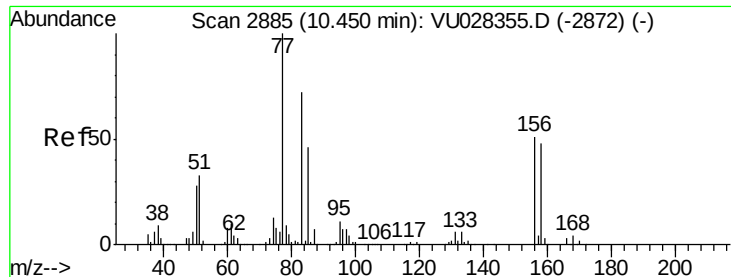
Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion:	75	Resp:	269529
Ion Ratio	Lower	Upper	
75	100		
77	41.6	22.4	67.0





#77

Bromobenzene

Concen: 48.635 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

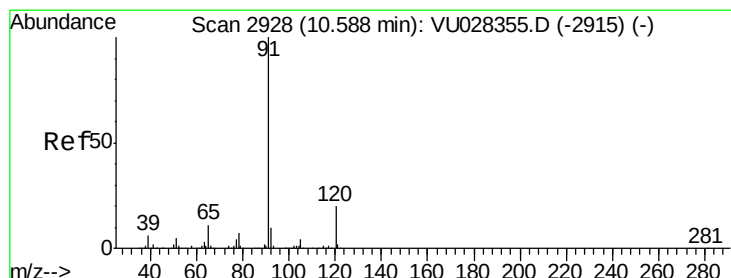
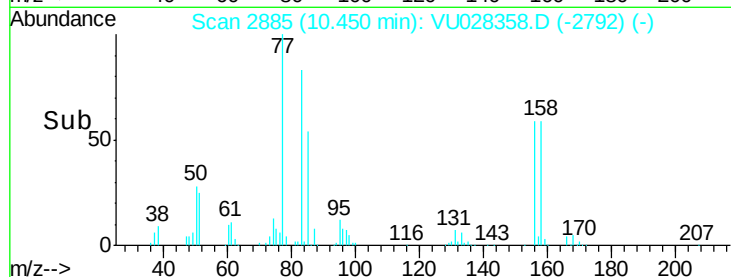
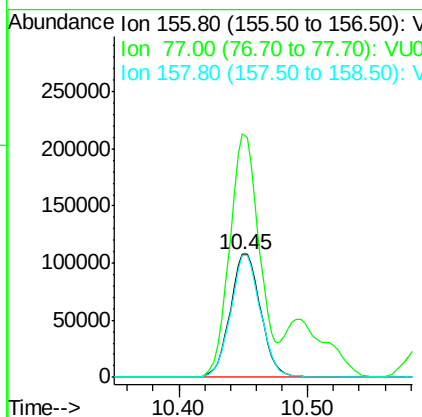
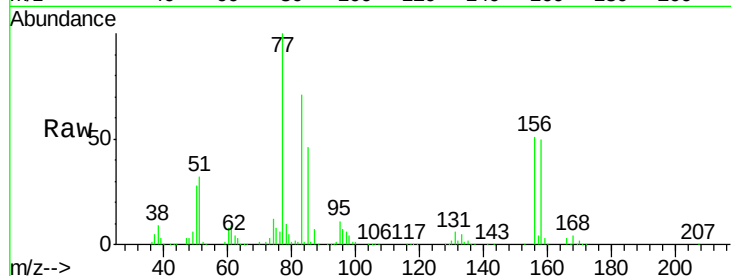
ClientSampleId :

ICVVU112818

Tot Ion:	156	Resp:	176851
Ion Ratio	Lower	Upper	
156	100		
77	194.4	97.0	290.9
158	97.7	46.8	140.4

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#78

n-propylbenzene

Concen: 50.742 ug/l

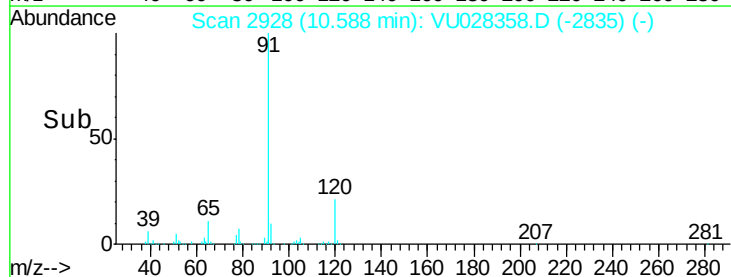
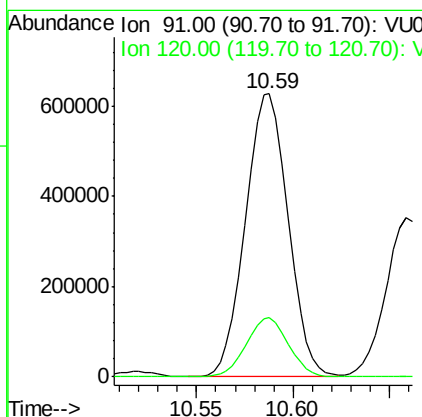
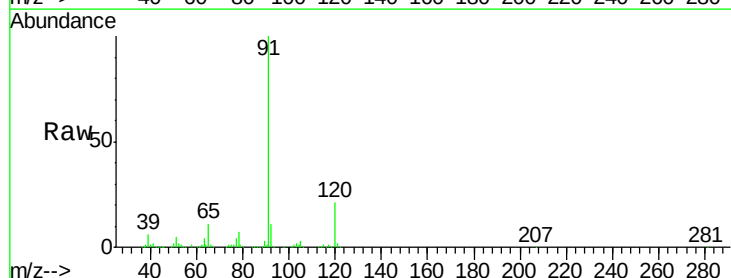
RT: 10.59 min Scan# 2928

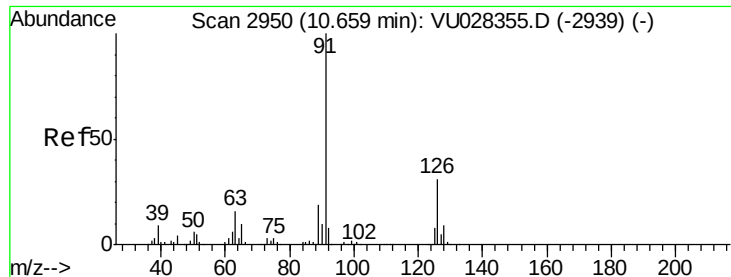
Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Tgt Ion:	91	Resp:	965994
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.3	30.8





#79

2-Chlorotoluene

Concen: 49.886 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion: 91 Resp: 559851

Ion Ratio Lower Upper

91 100

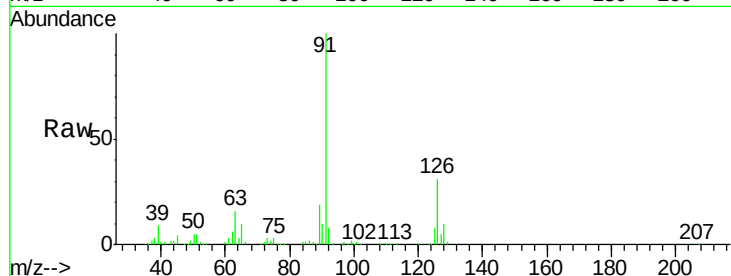
126 30.8 15.4 46.1

Manual Integrations

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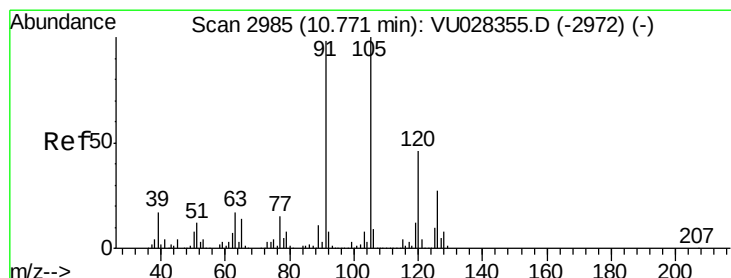
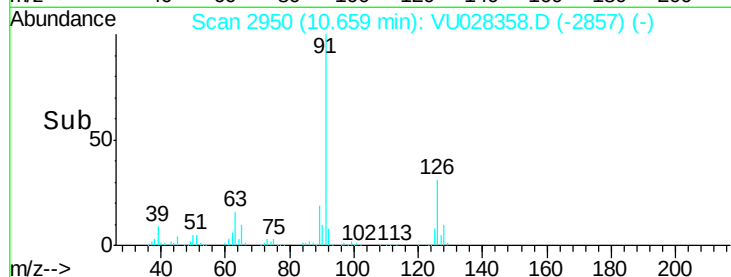
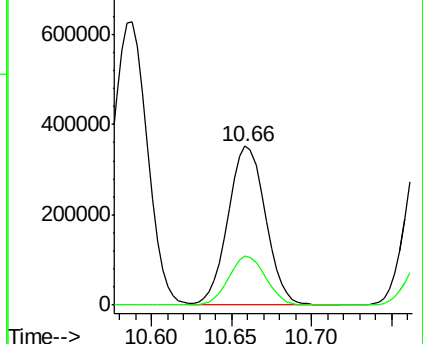
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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028355.D (-2939) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.525 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028358.D

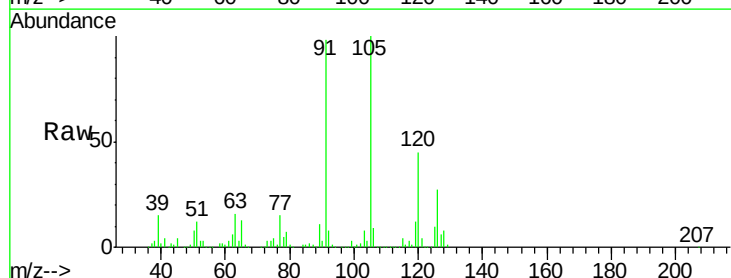
Acq: 28 Nov 2018 11:47

Tgt Ion: 105 Resp: 657055

Ion Ratio Lower Upper

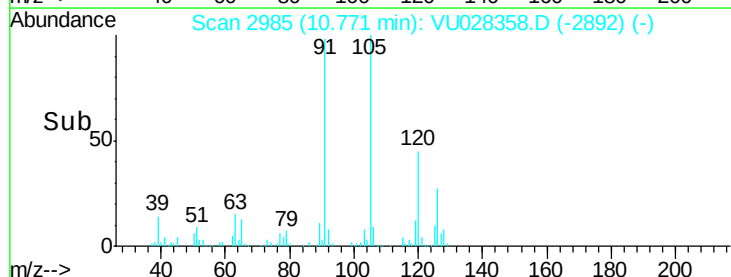
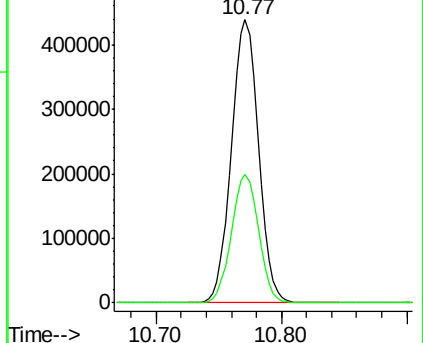
105 100

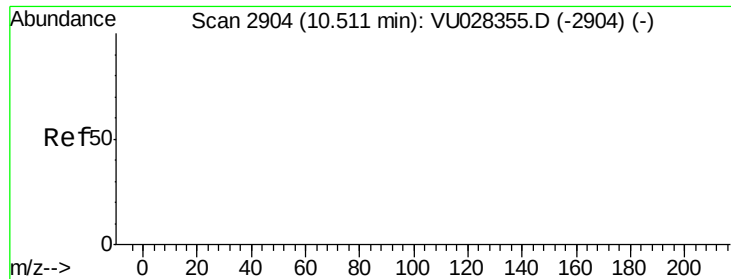
120 45.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VU028355.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2972) (-)





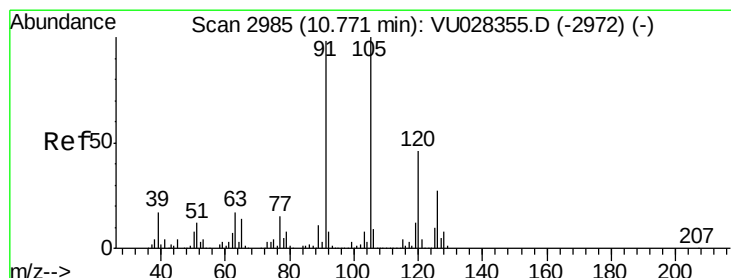
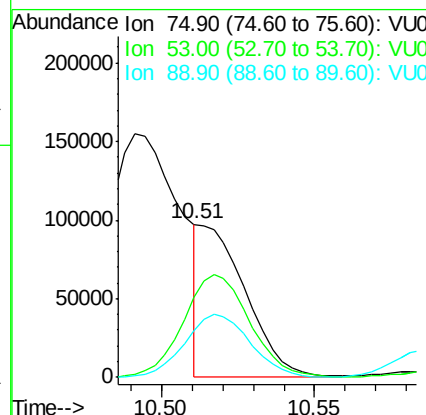
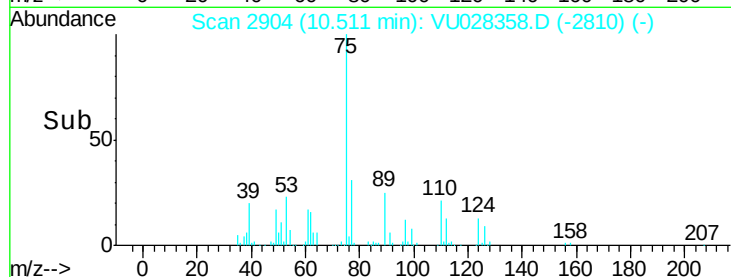
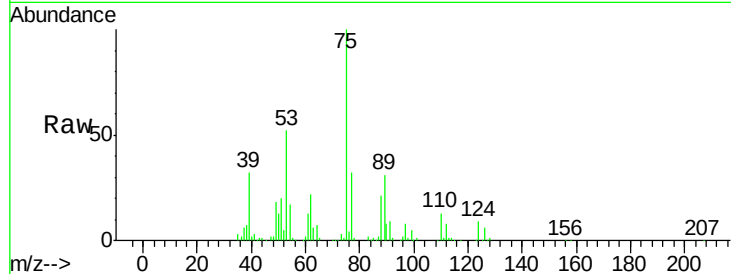
#81
trans-1,4-Dichloro-2-butene
Concen: 48.492 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

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

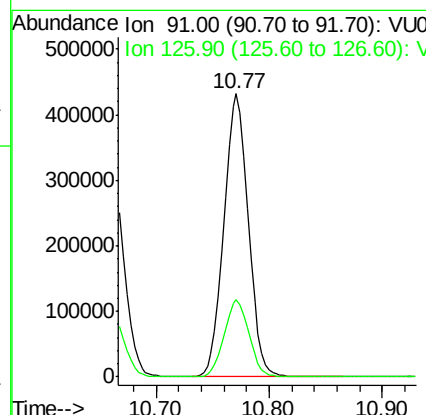
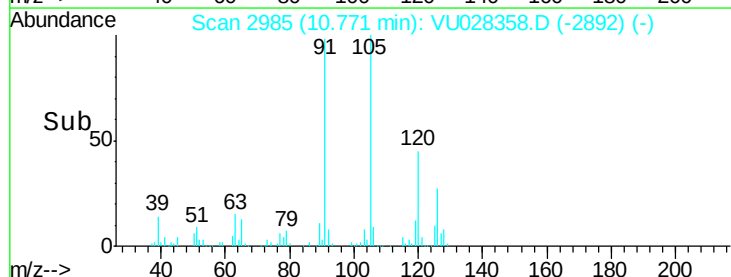
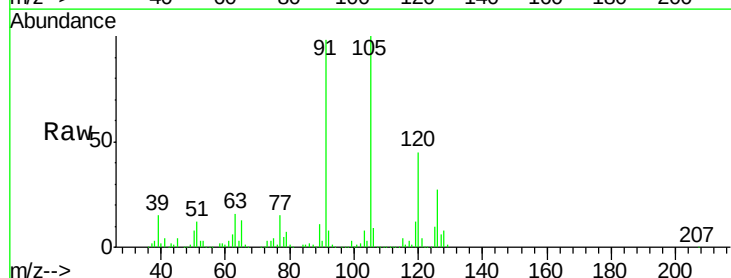
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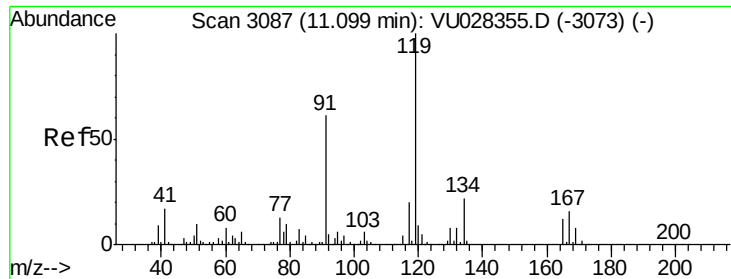
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.032 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.7	13.9	41.6





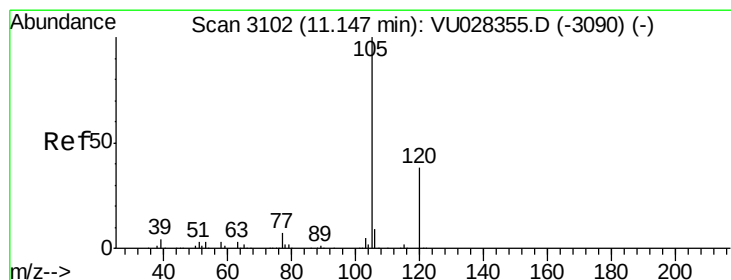
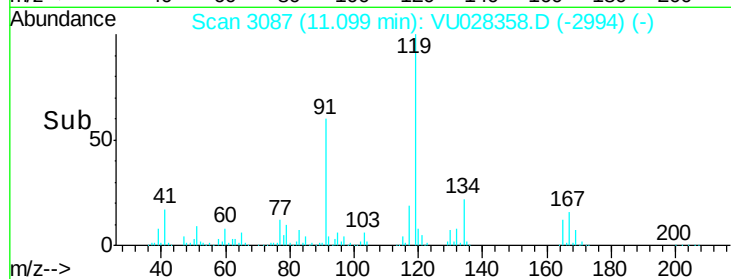
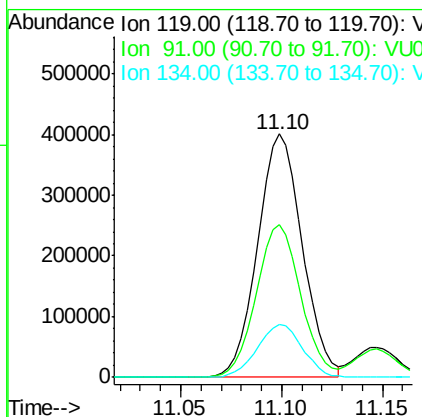
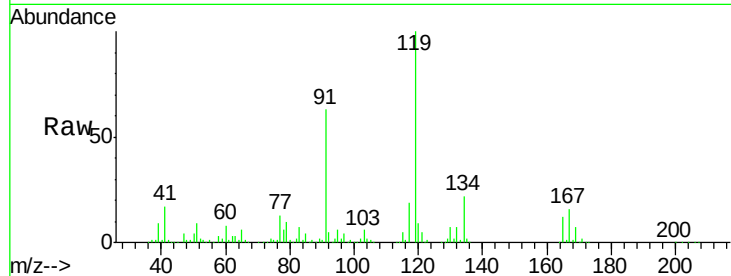
#83
 tert-Butylbenzene
 Concen: 51.035 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	30.8	92.4
134	22.0	11.1	33.1

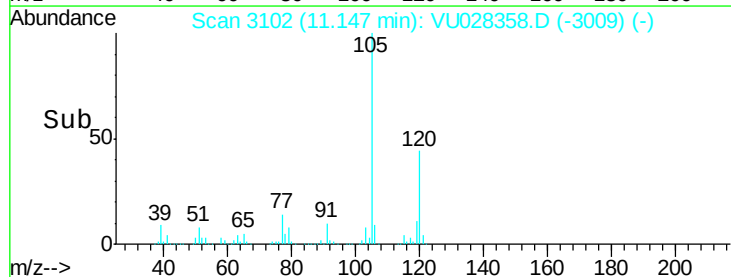
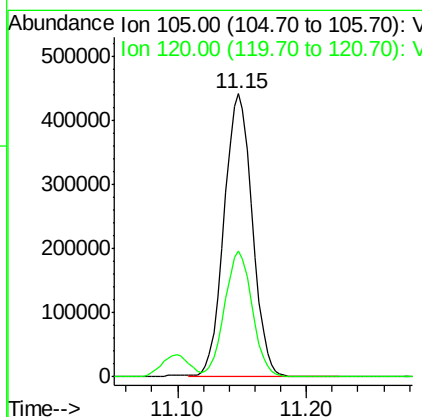
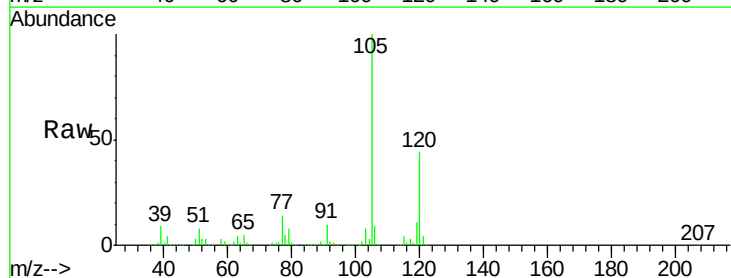
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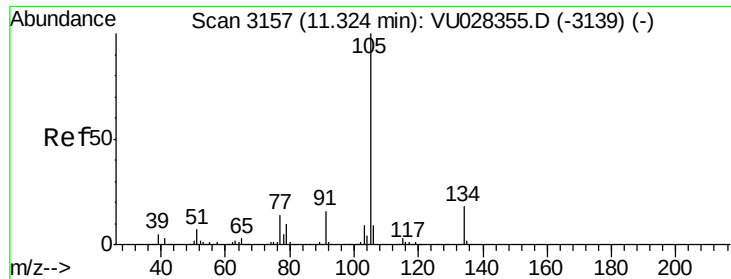
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.695 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	21.4	64.3





#85

sec-Butylbenzene

Concen: 50.552 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion:105 Resp: 795977

Ion Ratio Lower Upper

105 100

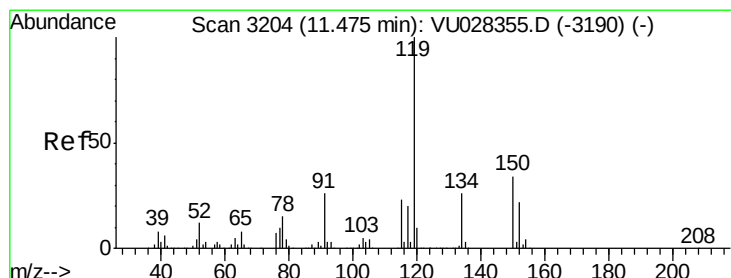
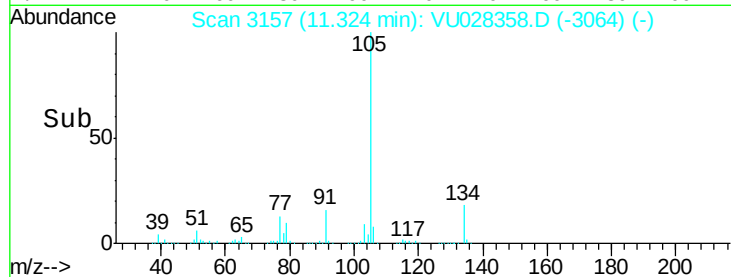
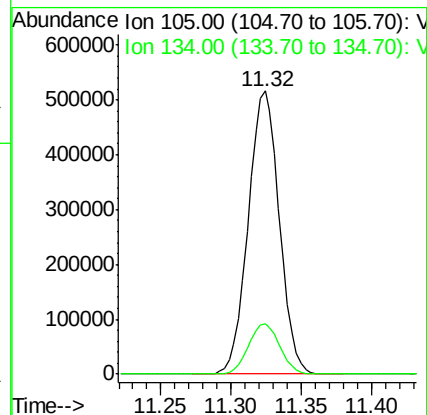
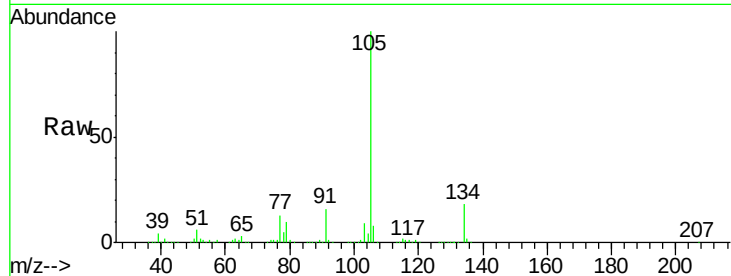
134 18.0 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.555 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

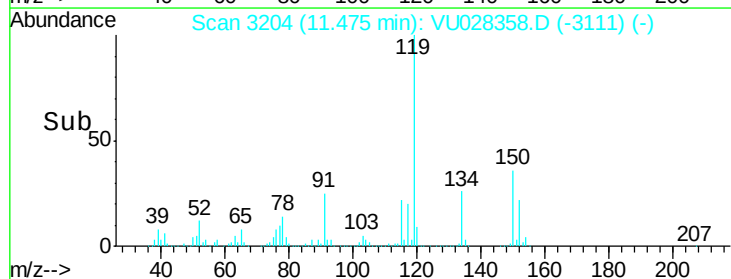
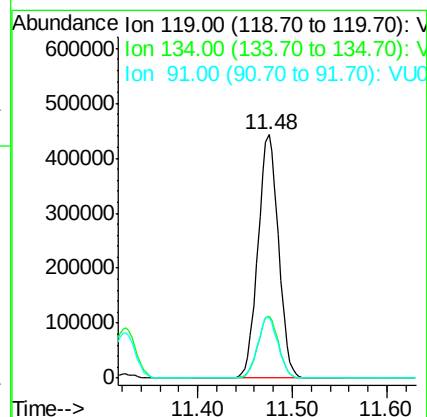
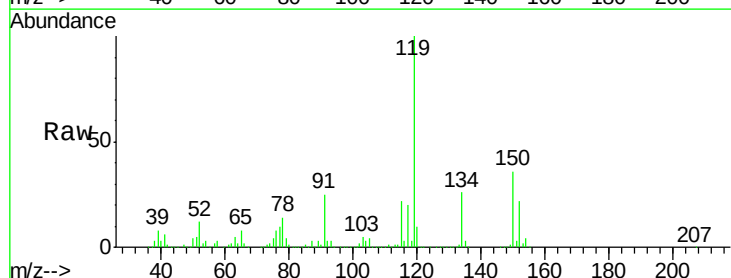
Tgt Ion:119 Resp: 667477

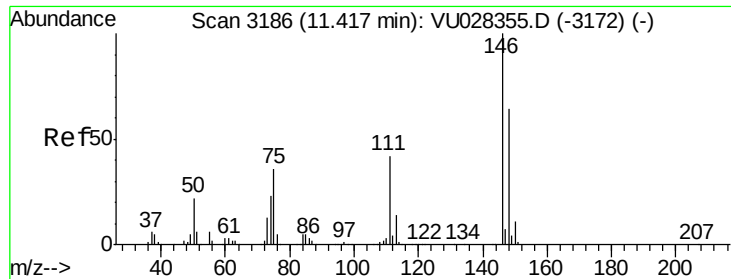
Ion Ratio Lower Upper

119 100

134 25.4 12.8 38.3

91 25.1 13.1 39.1





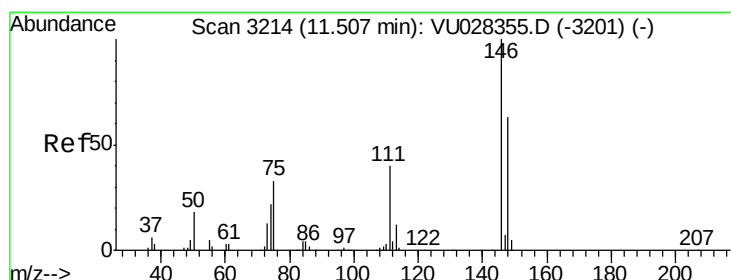
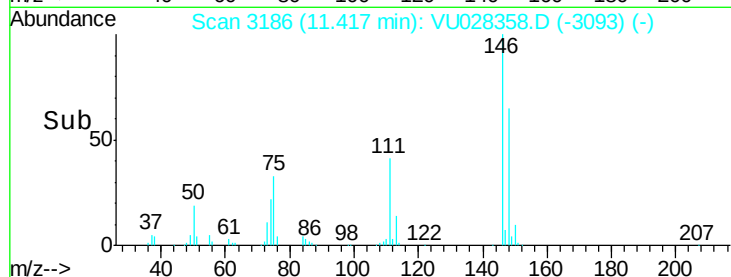
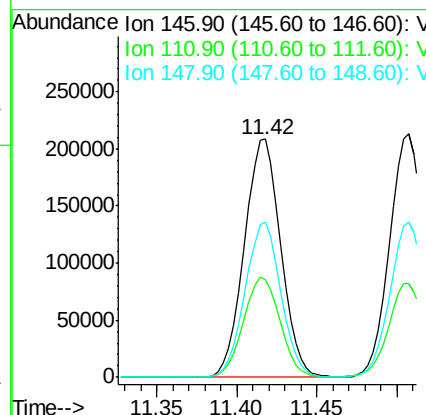
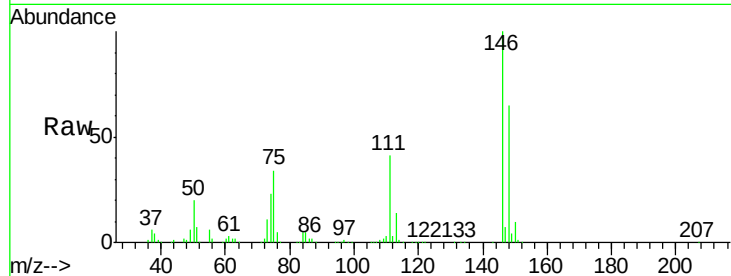
#87
 1,3-Dichlorobenzene
 Concen: 48.863 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU112818

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.8	62.4
148	64.2	31.8	95.3

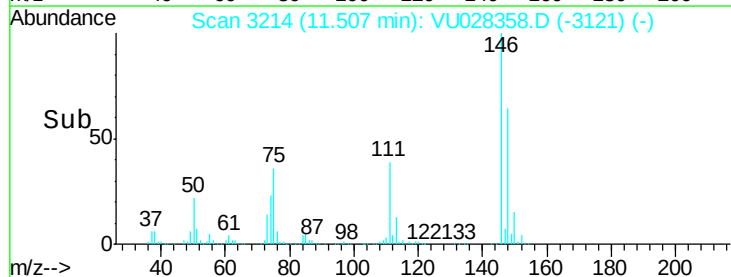
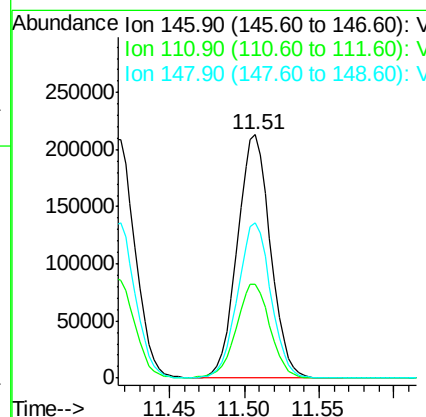
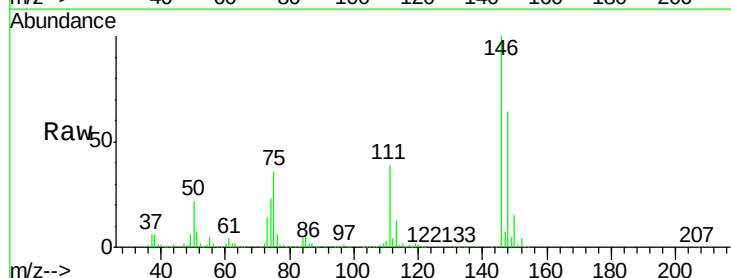
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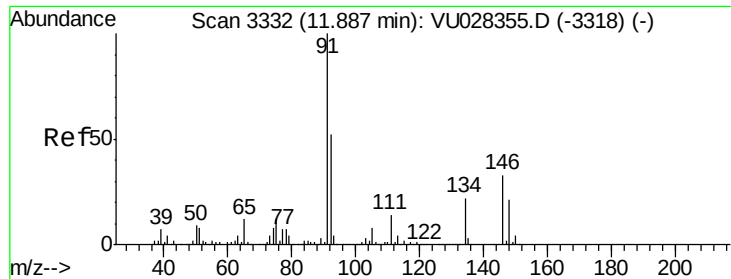
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#88
 1,4-Dichlorobenzene
 Concen: 49.072 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028358.D
 Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.9
148	64.4	31.1	93.5





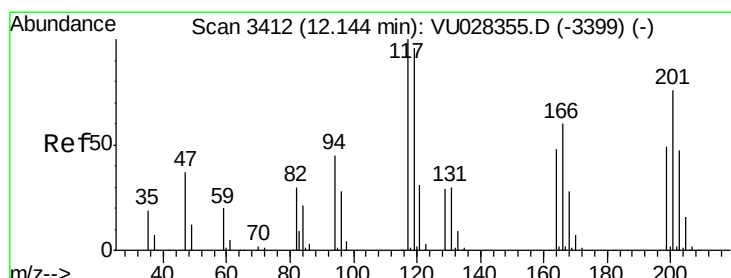
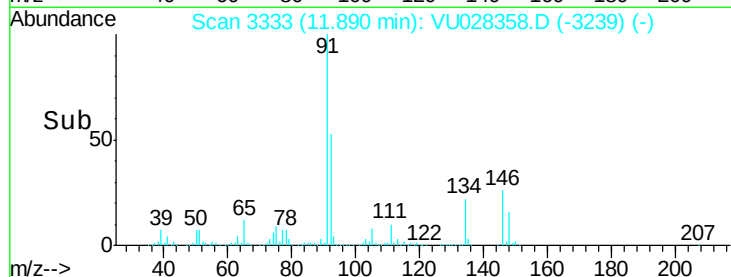
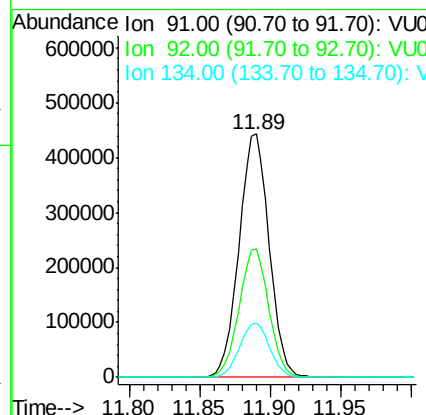
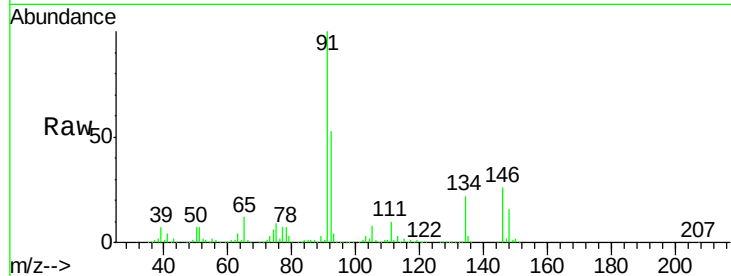
#89
n-Butylbenzene
Concen: 51.876 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	22.2	11.1	33.1

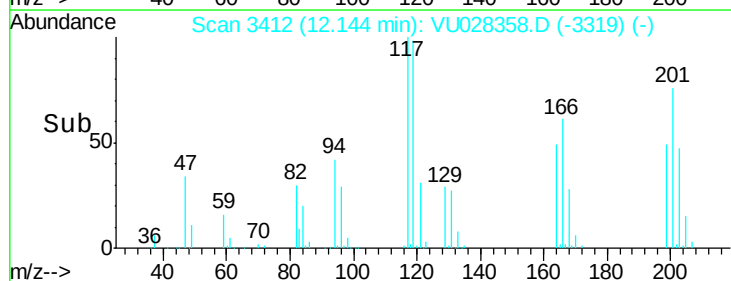
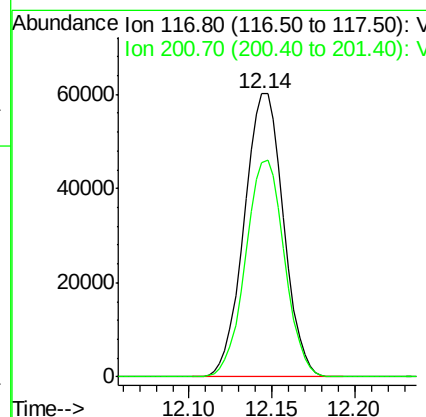
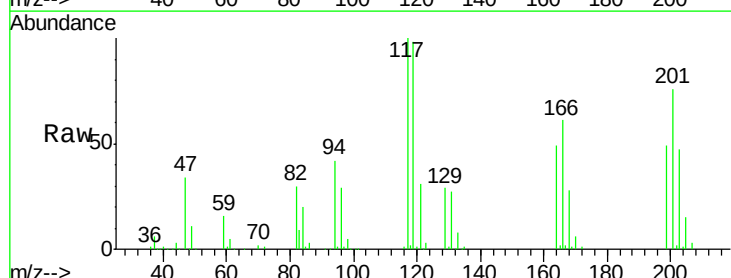
Manual Integrations
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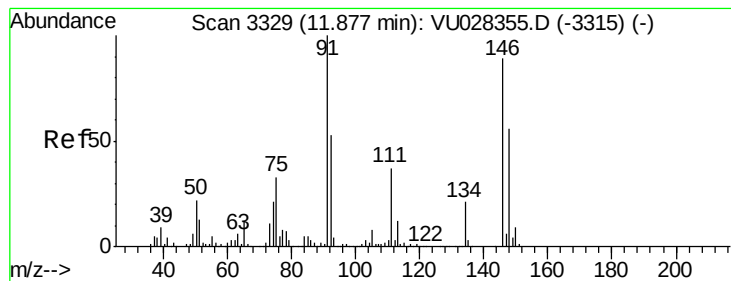
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#90
Hexachloroethane
Concen: 49.030 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	37.7	113.1





#91

1,2-Dichlorobenzene

Concen: 50.180 ug/l

RT: 11.88 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

Instrument :

MSVOA_U

ClientSampleId :

ICVVU112818

Tot Ion:146 Resp: 332039

Ion Ratio Lower Upper

146 100

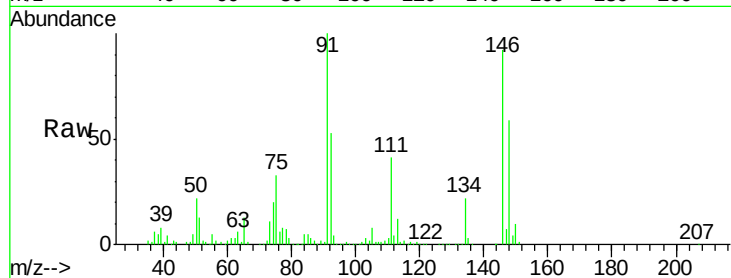
111 43.0 21.4 64.3

148 63.2 32.2 96.6

Manual Integrations
APPROVED

MMDadoda

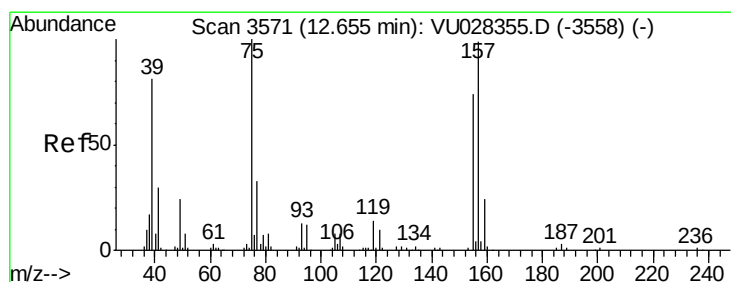
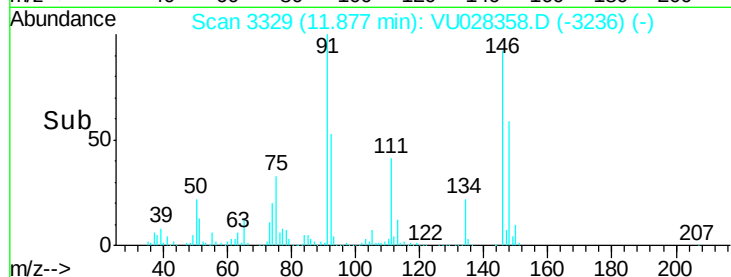
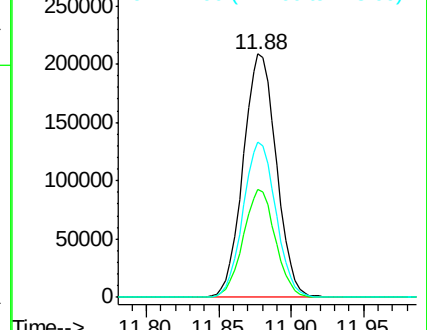
11/29/2018 1:23:07 PM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.296 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU028358.D

Acq: 28 Nov 2018 11:47

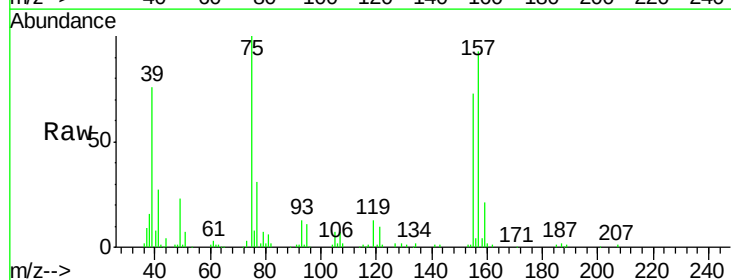
Tgt Ion: 75 Resp: 68174

Ion Ratio Lower Upper

75 100

155 72.5 36.9 110.7

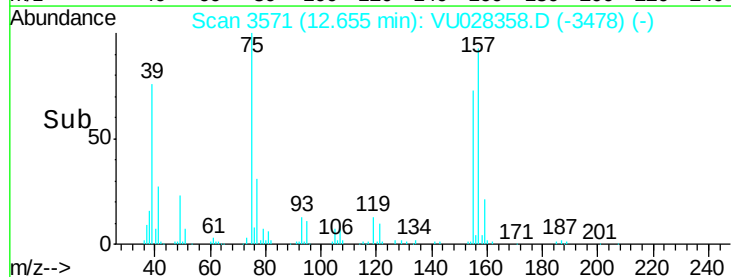
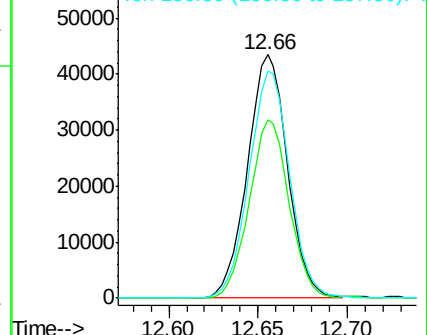
157 94.6 47.5 142.5

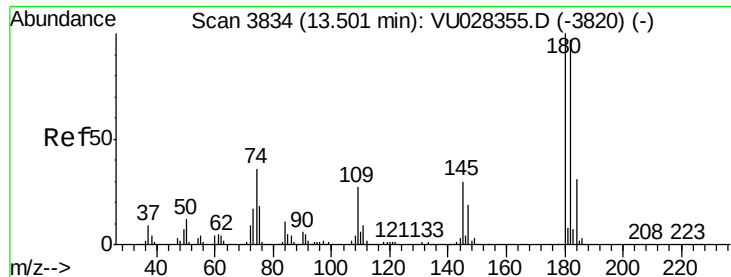


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





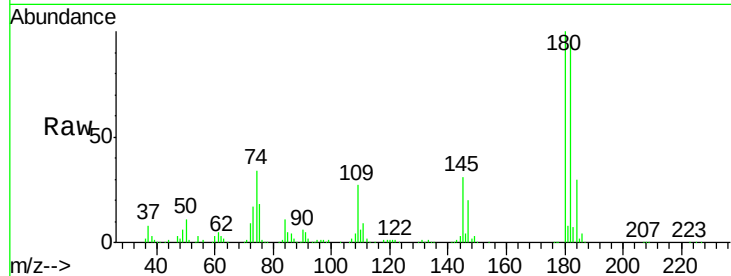
#93
1,2,4-Trichlorobenzene
Concen: 50.888 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

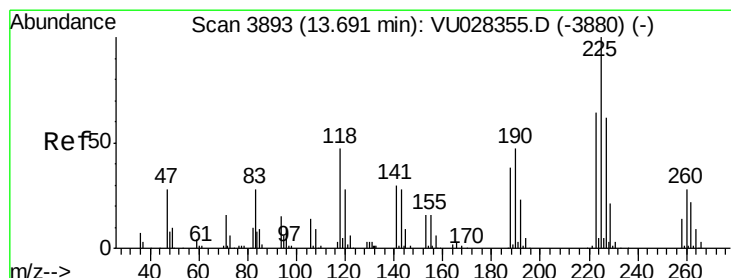
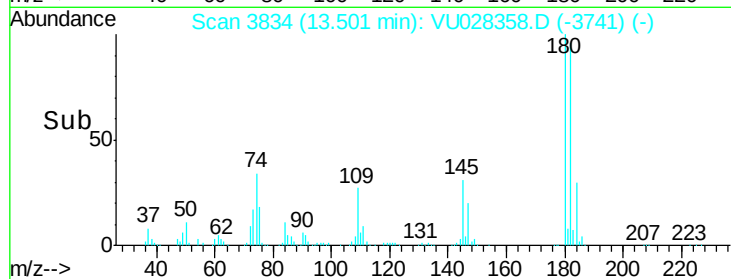
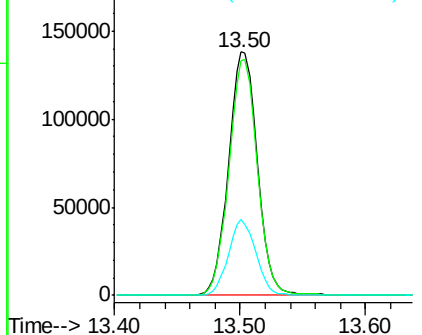
Tot Ion	Ratio	Resp	Lower	Upper
180	100	220409		
182	95.5	48.3	144.9	
145	29.9	15.2	45.5	

Manual Integrations
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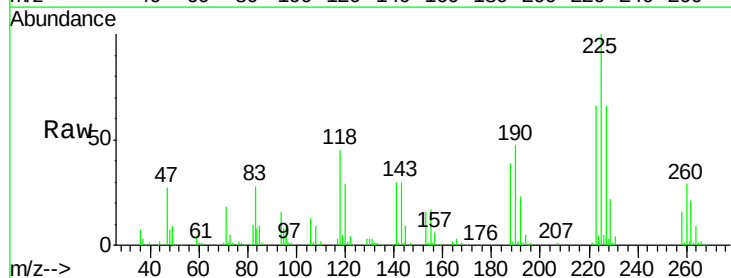


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

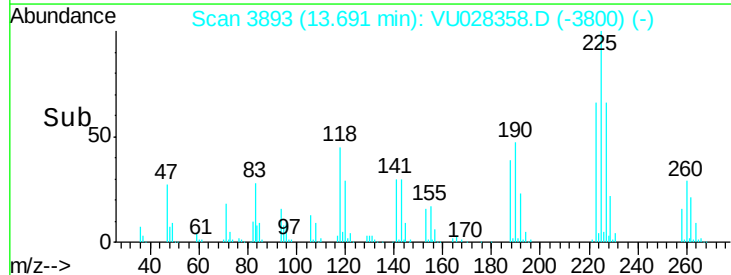
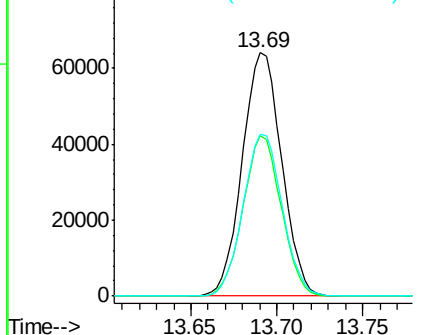


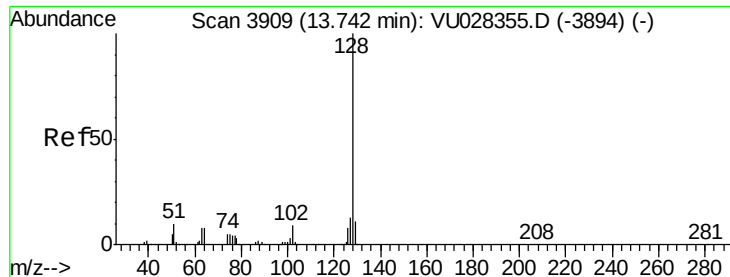
#94
Hexachlorobutadiene
Concen: 49.833 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101917		
223	63.9	31.6	94.7	
227	65.9	30.8	92.4	



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





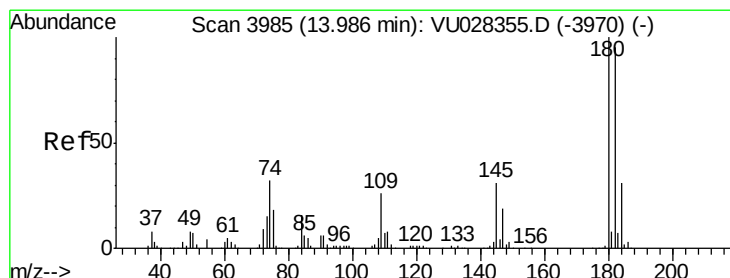
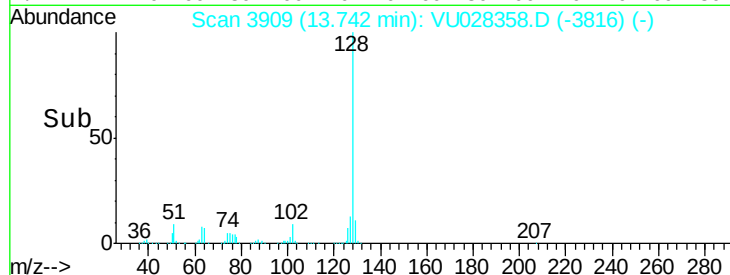
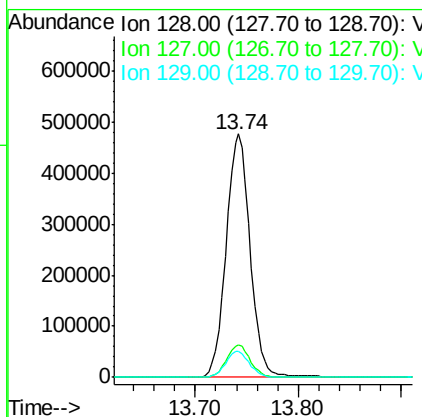
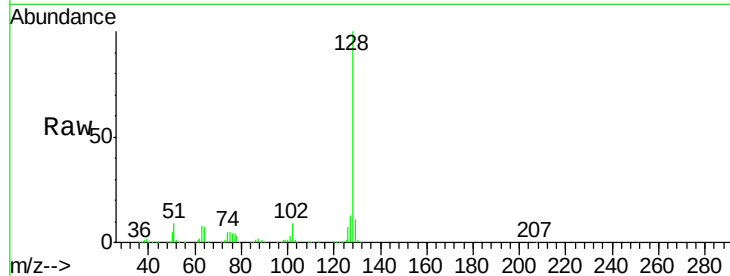
#95
Naphthalene
Concen: 46.418 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Instrument :
MSVOA_U
ClientSampleId :
ICVVU112818

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.4	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.968 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU028358.D
Acq: 28 Nov 2018 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	33.3	15.7	47.1

