

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112818\
 Data File : VU028371.D
 Acq On : 28 Nov 2018 17:20
 Operator : MD/SY
 Sample : VU1128WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:23:22 PM

Quant Time: Nov 29 06:51:14 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	246408	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	439994	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	401253	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	180076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	204902	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	4.88	113	143752	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	7.57	98	569292	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
62) 4-Bromofluorobenzene	10.31	95	202609	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	64272	19.444	ug/l	98
3) Chloromethane	1.33	50	120716	18.841	ug/l	100
4) Vinyl Chloride	1.40	62	88035	19.638	ug/l	99
5) Bromomethane	1.61	94	28178	16.252	ug/l	98
6) Chloroethane	1.69	64	50573	19.606	ug/l	96
7) Trichlorofluoromethane	1.88	101	91443	19.638	ug/l	99
8) Diethyl Ether	2.10	74	40335	18.634	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	54052	19.927	ug/l	97
10) Methyl Iodide	2.41	142	56238	21.986	ug/l	98
11) Tert butyl alcohol	2.83	59	89209	95.354	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52686	20.014	ug/l	93
13) Acrolein	2.19	56	74708	89.823	ug/l	97
14) Allyl chloride	2.59	41	127169	18.490	ug/l	98
15) Acrylonitrile	2.94	53	251316	101.553	ug/l	100
16) Acetone	2.32	43	212400	84.314	ug/l	97
17) Carbon Disulfide	2.48	76	183076	18.119	ug/l	99
18) Methyl Acetate	2.61	43	139744	19.924	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	213443	19.778	ug/l	97
20) Methylene Chloride	2.70	84	67608	18.982	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	59604	19.524	ug/l	96
22) Diisopropyl ether	3.57	45	265405	19.601	ug/l	98
23) Vinyl Acetate	3.52	43	1095572	97.340	ug/l	100
24) 1,1-Dichloroethane	3.45	63	135386	20.280	ug/l	98
25) 2-Butanone	4.26	43	341265	94.525	ug/l	99
26) 2,2-Dichloropropane	4.23	77	97581	18.405	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	69014	19.115	ug/l	99
28) Bromochloromethane	4.55	49	70888	21.236	ug/l	98
29) Tetrahydrofuran	4.64	42	238146	101.595	ug/l	100
30) Chloroform	4.67	83	117874	19.129	ug/l	99
31) Cyclohexane	5.00	56	134716	19.422	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	96321	19.480	ug/l	98
36) 1,1-Dichloropropene	5.13	75	91413	18.986	ug/l	98
37) Ethyl Acetate	4.38	43	130902	19.950	ug/l	100
38) Carbon Tetrachloride	5.13	117	74790	18.916	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	106694	18.795	ug/l	99
40) Benzene	5.39	78	279241	19.582	ug/l	99
41) Methacrylonitrile	4.55	41	73330	20.124	ug/l	96
42) 1,2-Dichloroethane	5.40	62	100458	19.555	ug/l	100
43) Isopropyl Acetate	5.55	43	209966	20.194	ug/l	100
44) Trichloroethene	6.19	130	58331	19.083	ug/l	100
45) 1,2-Dichloropropane	6.43	63	80377	19.247	ug/l	100
46) Dibromomethane	6.56	93	44725	18.645	ug/l	96
47) Bromodichloromethane	6.76	83	91197	19.114	ug/l	100
48) Methyl methacrylate	6.62	41	105175	19.419	ug/l	98
49) 1,4-Dioxane	6.61	88	34854	402.824	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	655708	98.739	ug/l	98
52) Toluene	7.64	92	160279	19.518	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	105607	18.511	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	116081	18.992	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	65609	19.197	ug/l	98
56) Ethyl methacrylate	8.02	69	111550	19.186	ug/l	97
57) 1,3-Dichloropropane	8.24	76	120101	19.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	298469	95.617	ug/l	100
59) 2-Hexanone	8.36	43	499715	97.145	ug/l	100
60) Dibromochloromethane	8.48	129	60782	18.700	ug/l	98
61) 1,2-Dibromoethane	8.58	107	67940	19.410	ug/l	99
64) Tetrachloroethene	8.22	164	50600	19.171	ug/l	92
65) Chlorobenzene	9.12	112	161747	19.413	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	54044	18.924	ug/l	98
67) Ethyl Benzene	9.25	91	302979	19.308	ug/l	100
68) m/p-Xylenes	9.38	106	217323	38.477	ug/l	100
69) o-Xylene	9.78	106	108676	19.355	ug/l	99
70) Styrene	9.79	104	172435	19.042	ug/l	99
71) Bromoform	9.96	173	43837	18.262	ug/l #	99
73) Isopropylbenzene	10.17	105	288511	20.600	ug/l	99
74) N-amyl acetate	10.01	43	178153	20.302	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	117034	20.321	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	104423m	20.911	ug/l	
77) Bromobenzene	10.45	156	65313	19.791	ug/l	98
78) n-propylbenzene	10.58	91	342389	19.817	ug/l	99
79) 2-Chlorotoluene	10.66	91	208918	20.512	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	241357	20.450	ug/l	97
81) trans-1,4-Dichloro-2-buten	10.51	75	36675m	19.495	ug/l	
82) 4-Chlorotoluene	10.77	91	231036	19.688	ug/l	100
83) tert-Butylbenzene	11.10	119	226037	20.545	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	242386	20.276	ug/l	100
85) sec-Butylbenzene	11.32	105	286946	20.080	ug/l	99
86) p-Isopropyltoluene	11.48	119	233261	19.852	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	115580	19.202	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	116620	19.252	ug/l	96
89) n-Butylbenzene	11.89	91	223442	19.268	ug/l	100
90) Hexachloroethane	12.14	117	33181	18.088	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	119557	19.909	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25329	19.772	ug/l	98

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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	13.50	180	72319	18.398	ug/l	99
94) Hexachlorobutadiene	13.69	225	34930	18.819	ug/l	99
95) Naphthalene	13.74	128	270132	19.648	ug/l	98
96) 1,2,3-Trichlorobenzene	13.99	180	76455	19.231	ug/l	99

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

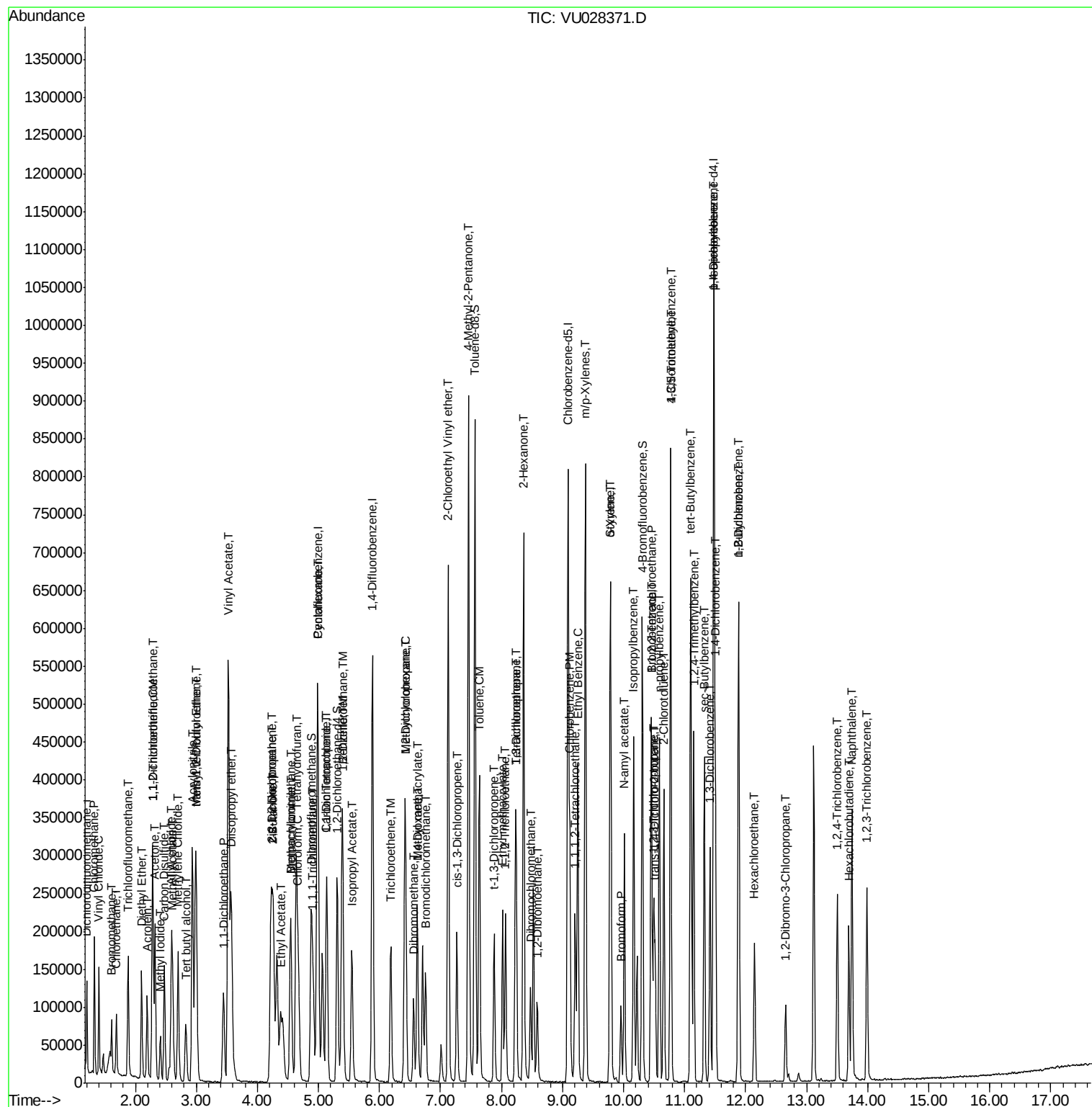
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Data File : VU028371.D
Acq On : 28 Nov 2018 17:20
Operator : MD/SY
Sample : VU1128WBSD01
Misc : 5.0mL/MSVOA U/WATER
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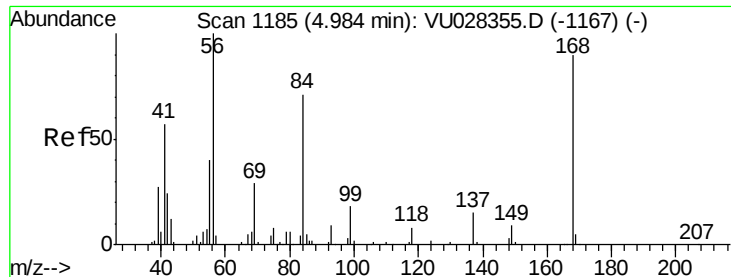
Instrument :
MSVOA_U
ClientSampled :
VU1128WBSD01

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Thu Nov 29 01:04:49 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion:168 Resp: 246408

Ion Ratio Lower Upper

168 100

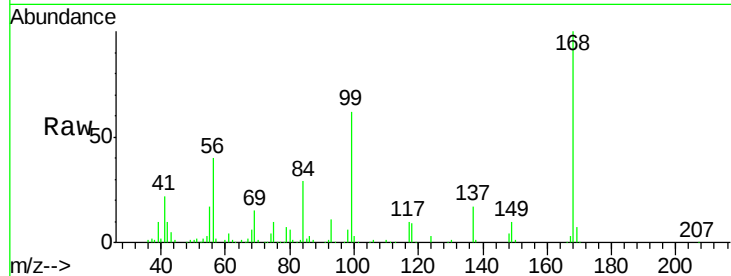
99 61.3 49.6 74.4

Manual Integrations

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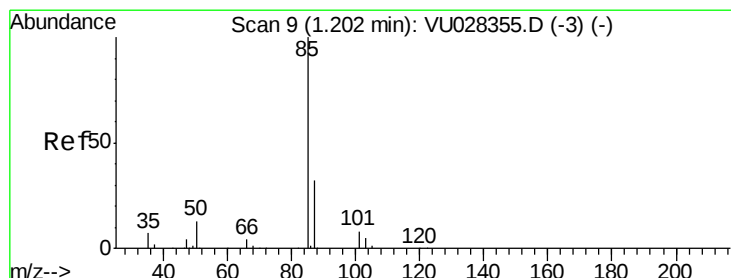
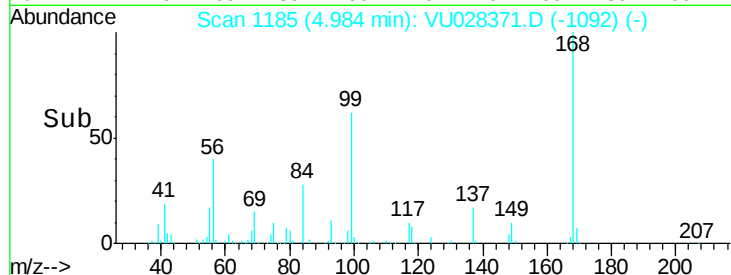
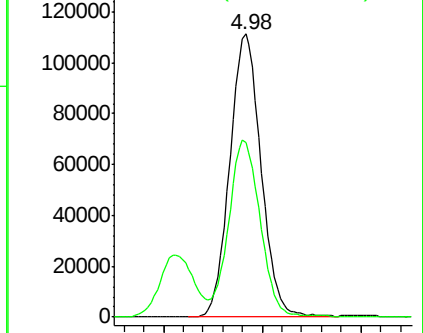
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 19.444 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028371.D

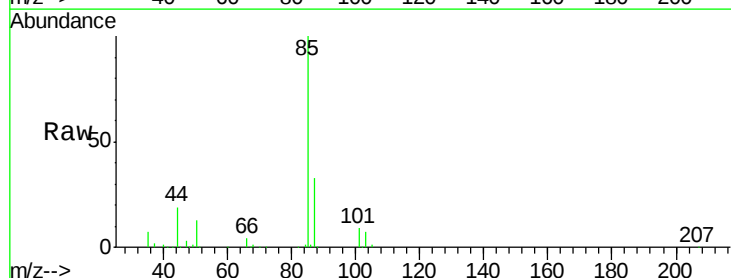
Acq: 28 Nov 2018 17:20

Tgt Ion: 85 Resp: 64272

Ion Ratio Lower Upper

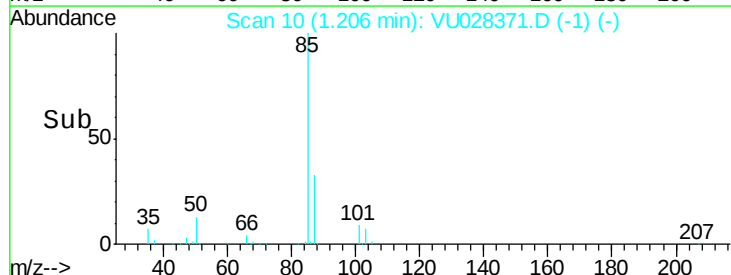
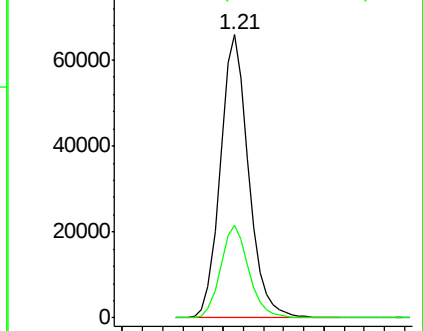
85 100

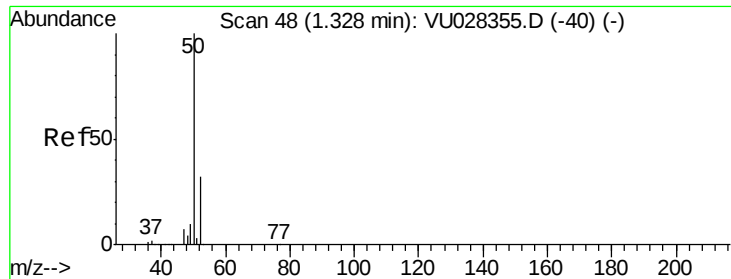
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.841 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 50 Resp: 120716

Ion Ratio Lower Upper

50 100

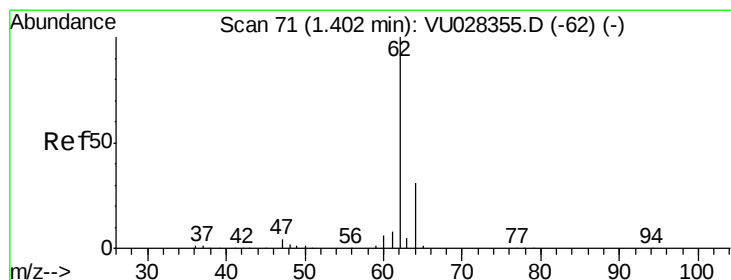
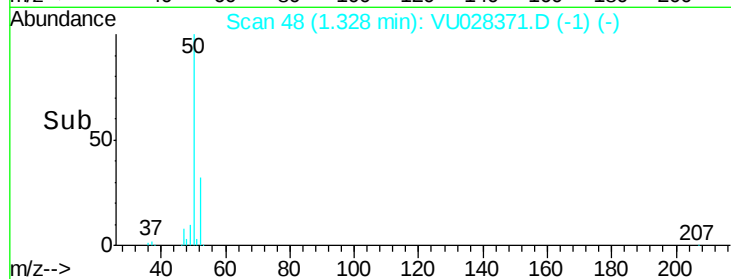
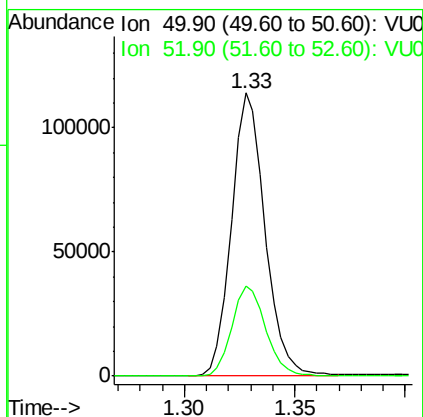
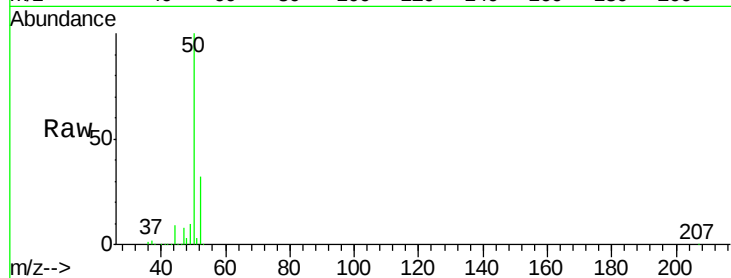
52 31.8 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.638 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028371.D

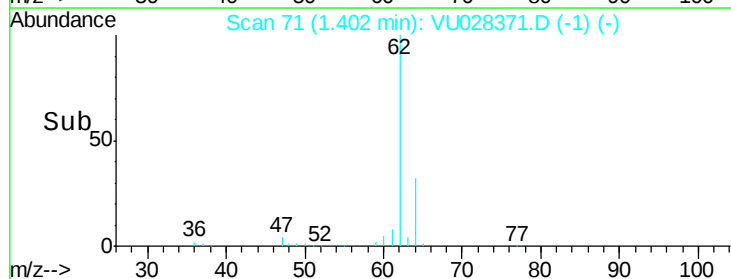
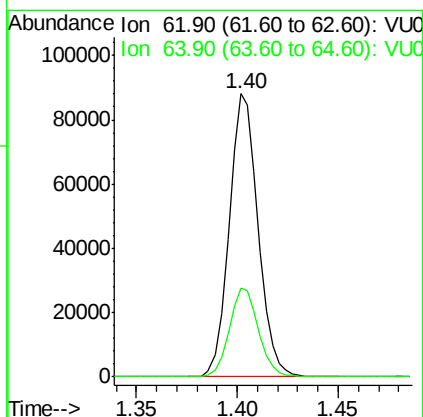
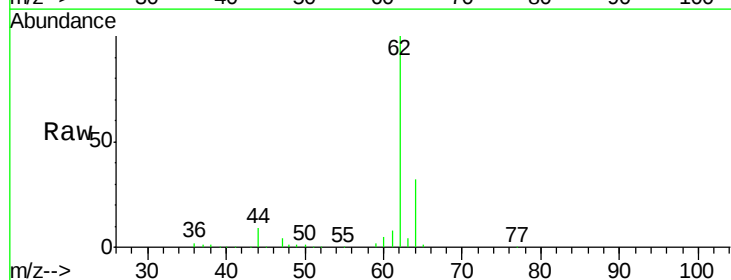
Acq: 28 Nov 2018 17:20

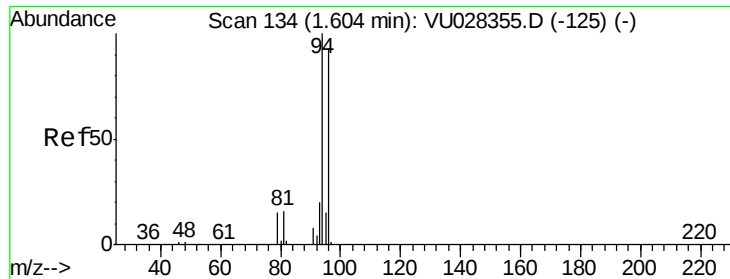
Tgt Ion: 62 Resp: 88035

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 16.252 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

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ClientSampleId :

VU1128WBSD01

Tot Ion: 94 Resp: 28178

Ion Ratio Lower Upper

94 100

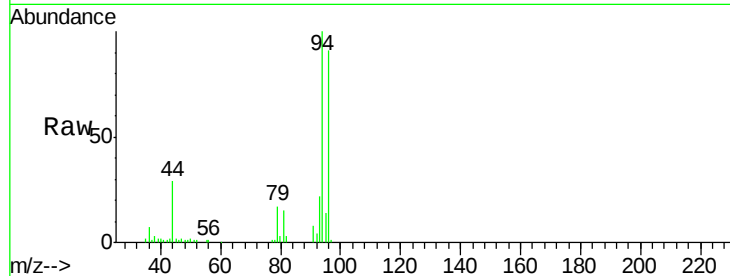
96 91.5 74.6 112.0

Manual Integrations

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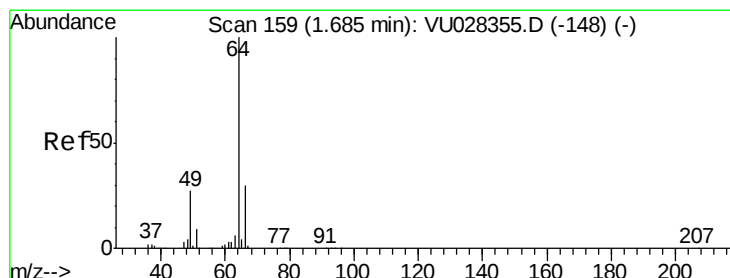
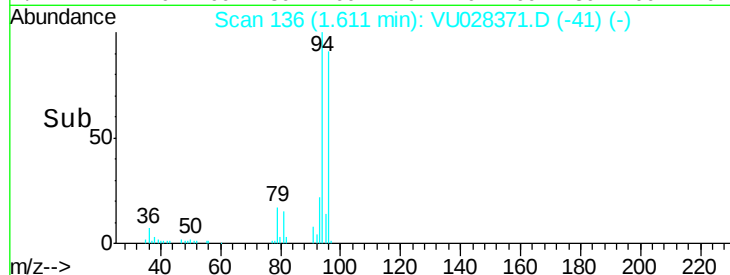
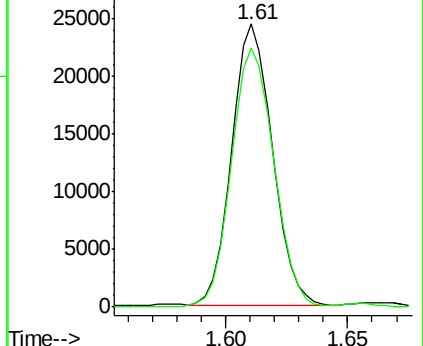
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 19.606 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU028371.D

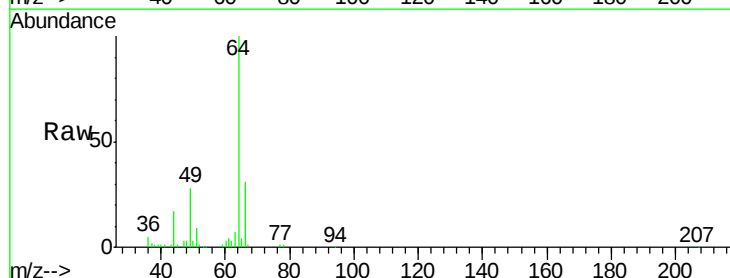
Acq: 28 Nov 2018 17:20

Tgt Ion: 64 Resp: 50573

Ion Ratio Lower Upper

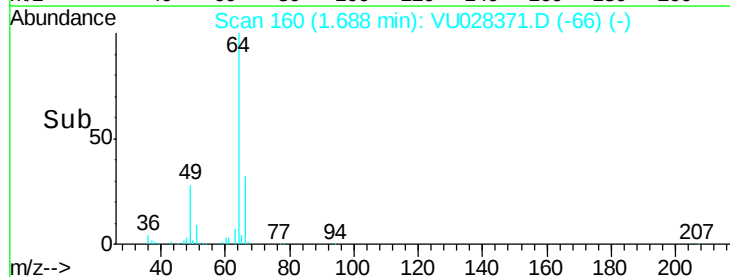
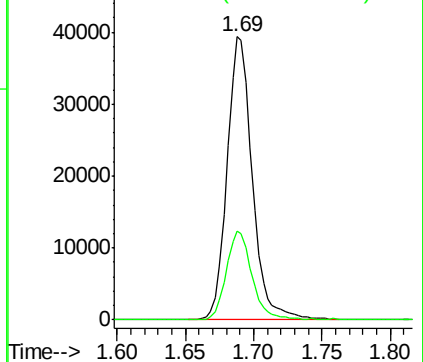
64 100

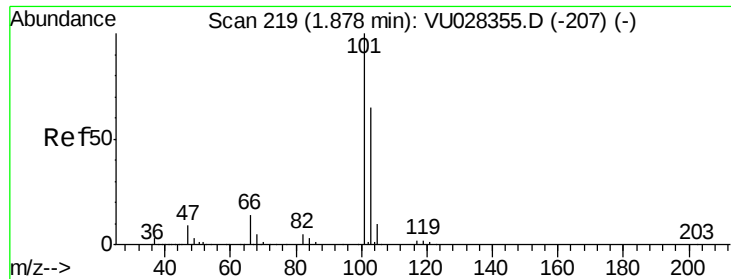
66 31.4 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

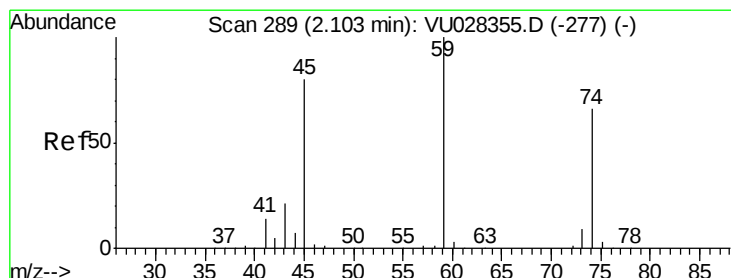
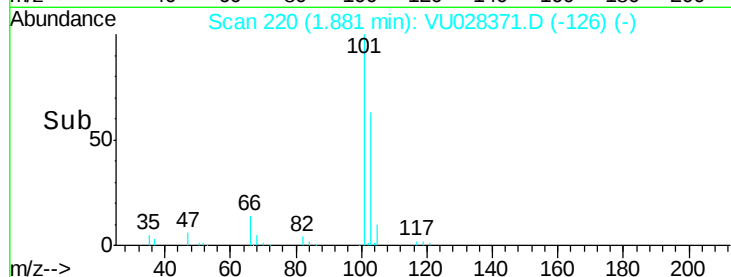
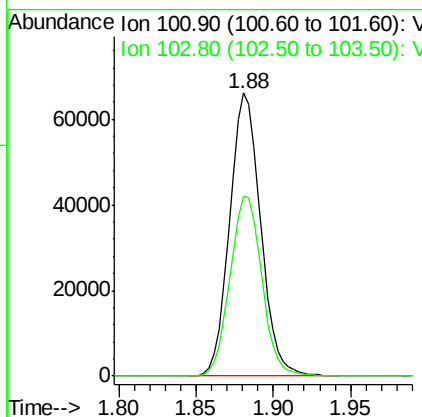
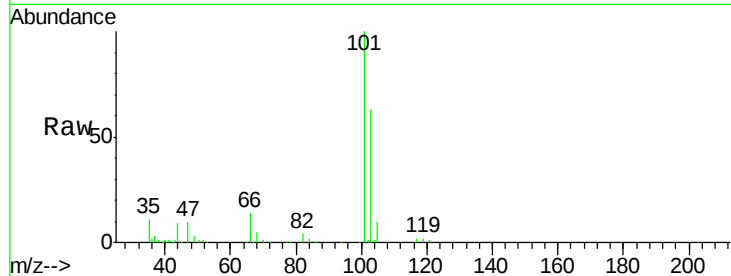
Trichlorofluoromethane
 Concen: 19.638 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
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 VU1128WBSD01

Tot Ion:101 Resp: 91443
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.6 77.4

Manual Integrations
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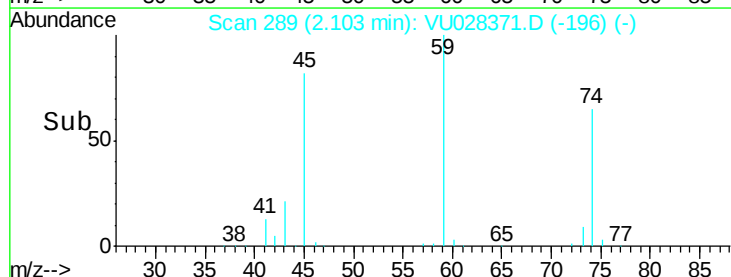
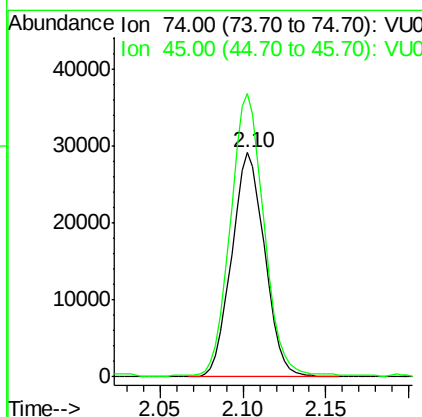
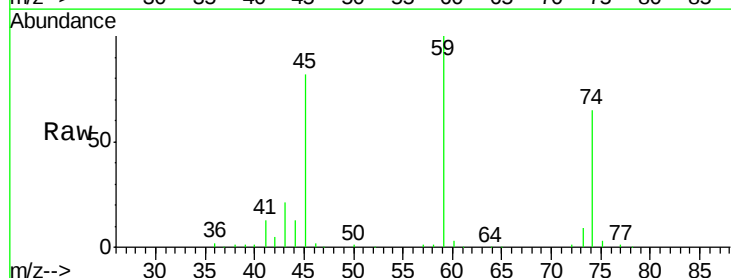
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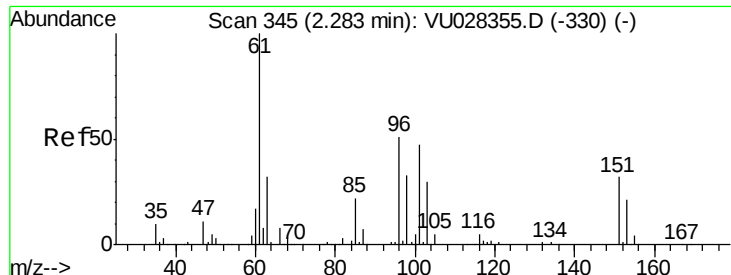


#8

Diethyl Ether
 Concen: 18.634 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion: 74 Resp: 40335
 Ion Ratio Lower Upper
 74 100
 45 130.0 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.927 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

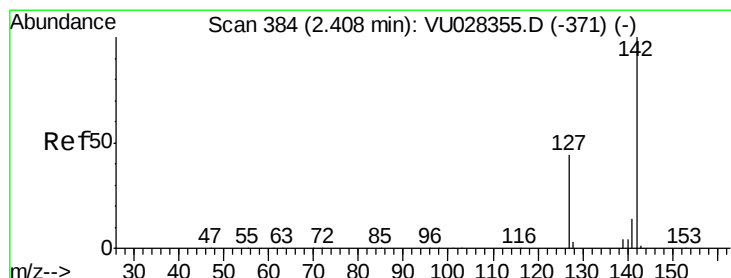
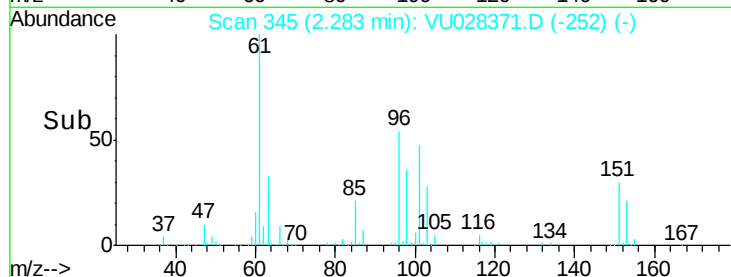
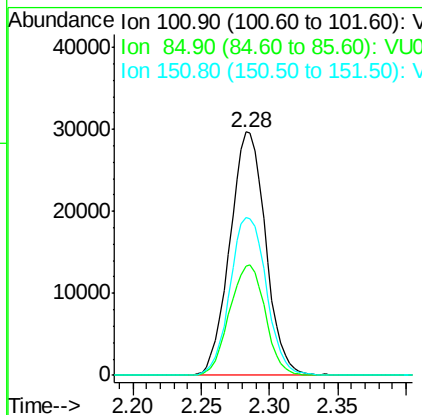
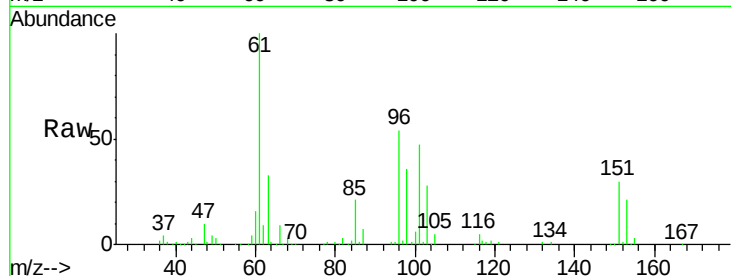
ClientSampleId :

VU1128WBSD01

Tot Ion:	101	Resp:	54052
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.2	55.8
151	66.1	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 21.986 ug/l

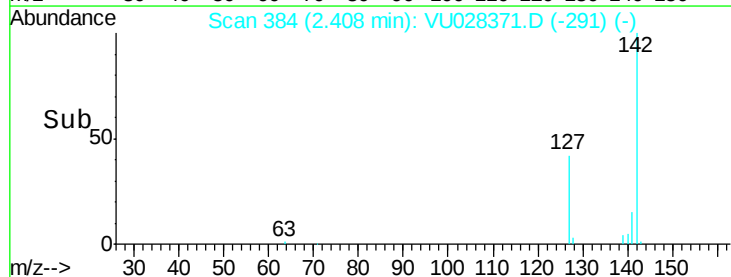
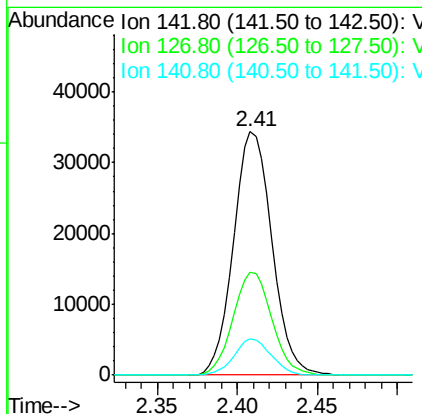
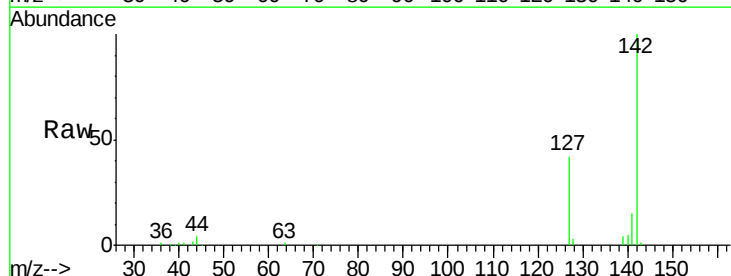
RT: 2.41 min Scan# 384

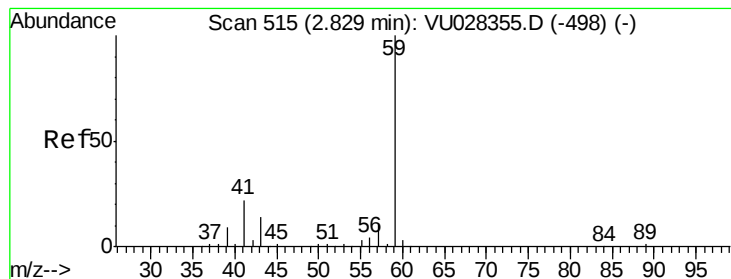
Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	142	Resp:	56238
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.0	52.6
141	14.2	11.2	16.8





#11

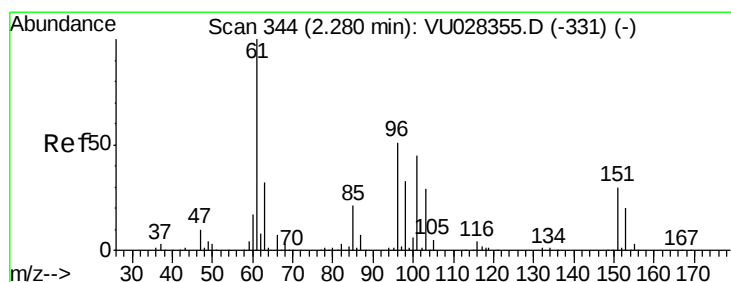
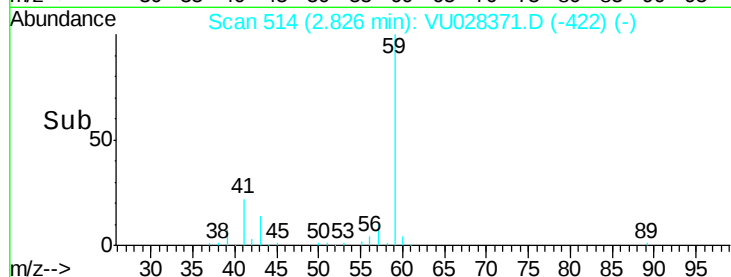
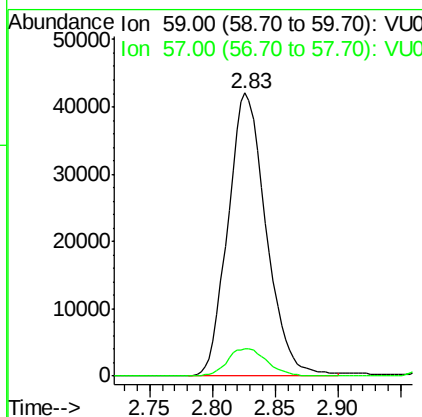
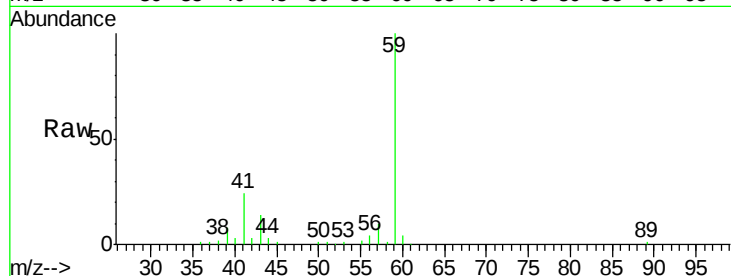
Tert butyl alcohol
Concen: 95.354 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

Manual Integrations
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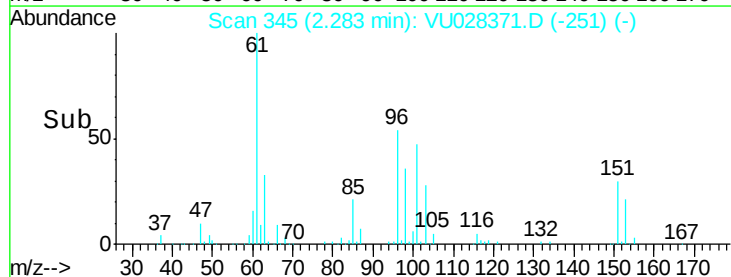
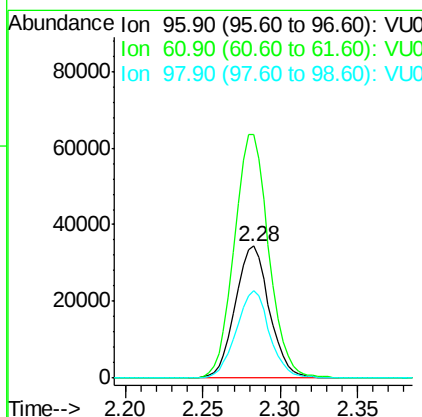
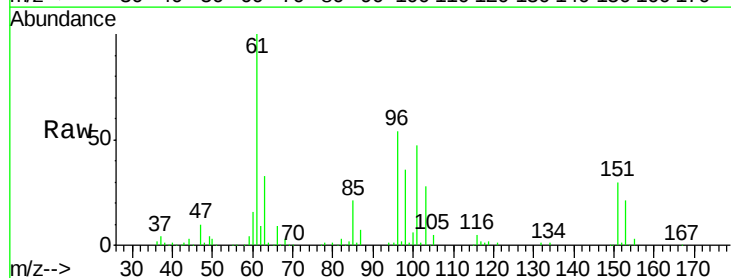
MMDadoda
11/29/2018 1:23:22 PM

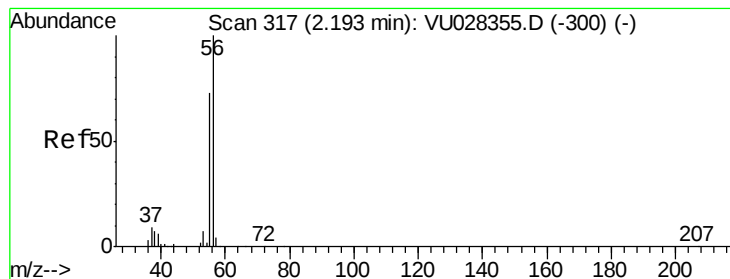


#12

1,1-Dichloroethene
Concen: 20.014 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.3	158.1	237.1
98	66.3	51.4	77.2





#13

Acrolein

Concen: 89.823 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 56 Resp: 74708

Ion Ratio Lower Upper

56 100

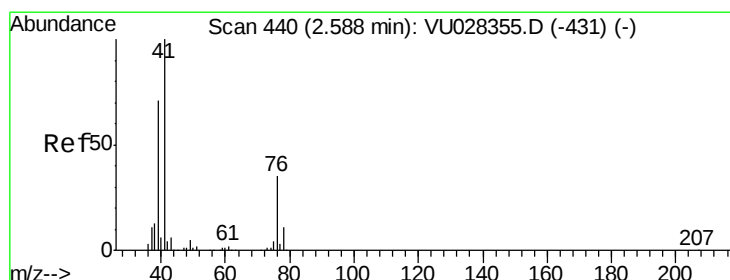
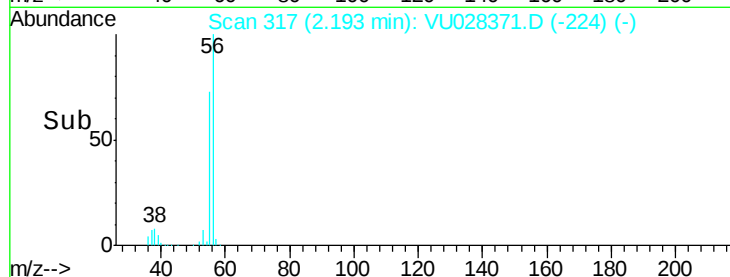
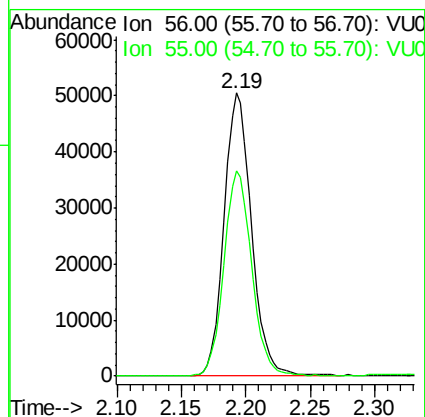
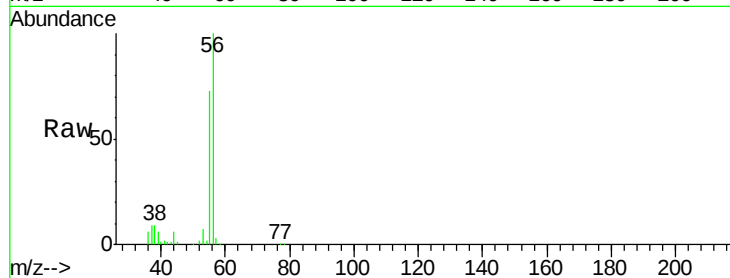
55 73.5 56.6 85.0

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 18.490 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

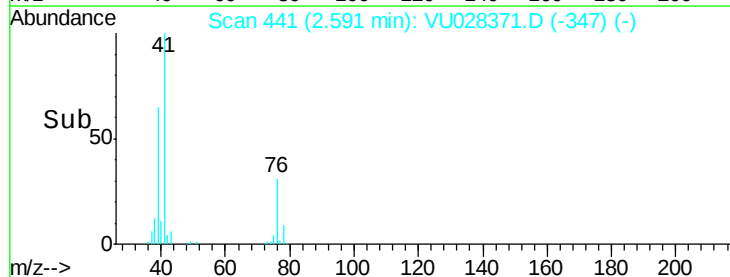
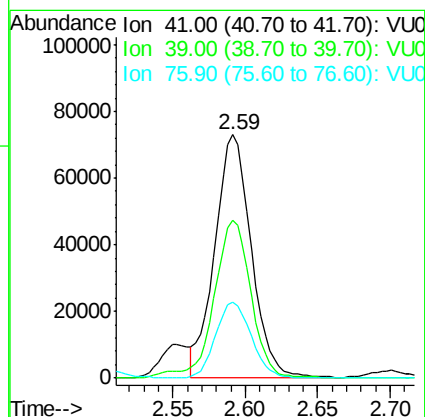
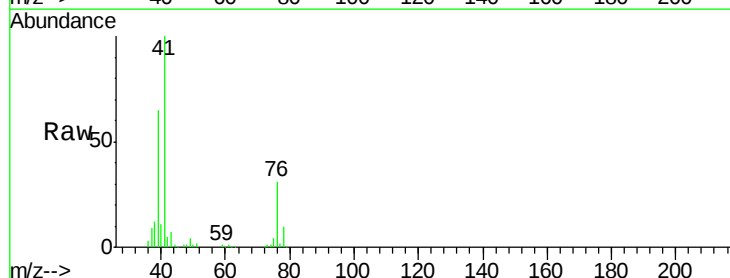
Tgt Ion: 41 Resp: 127169

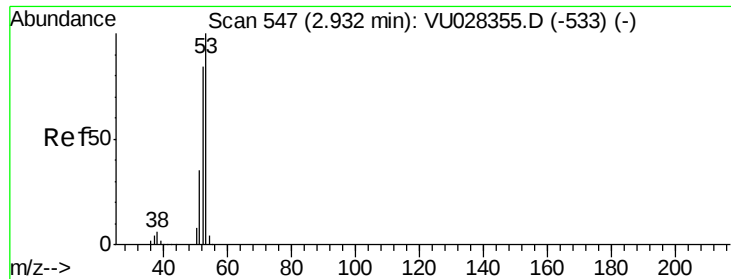
Ion Ratio Lower Upper

41 100

39 66.0 51.6 77.4

76 30.1 24.4 36.6





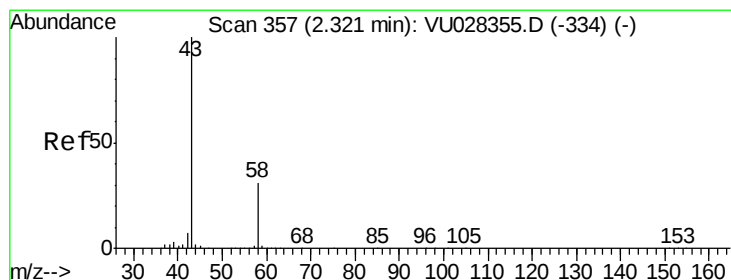
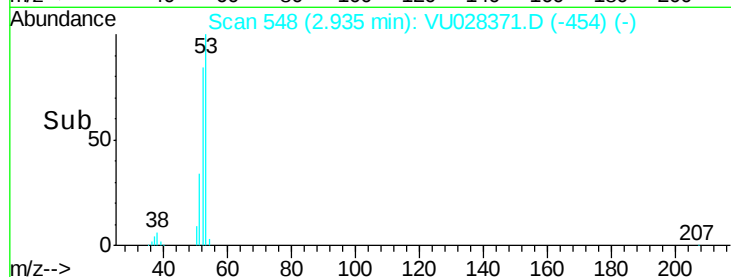
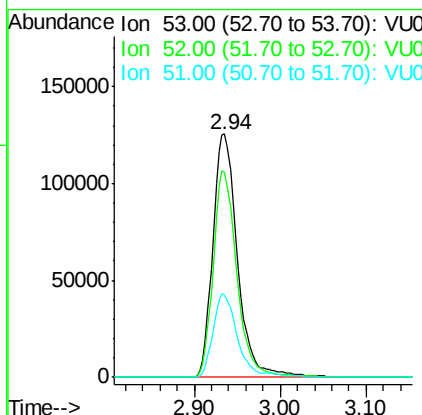
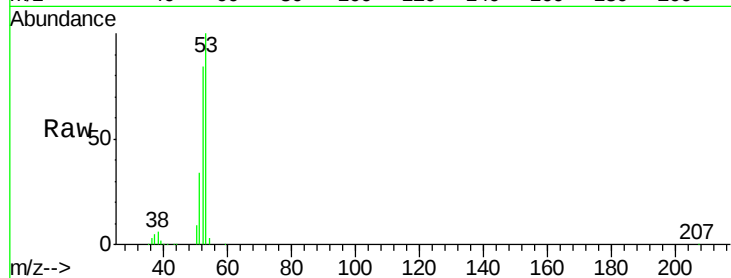
#15
Acrylonitrile
Concen: 101.553 ug/l
RT: 2.94 min Scan# 548
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion:	53	Resp:	251316
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.7	98.5
51	34.5	27.8	41.6

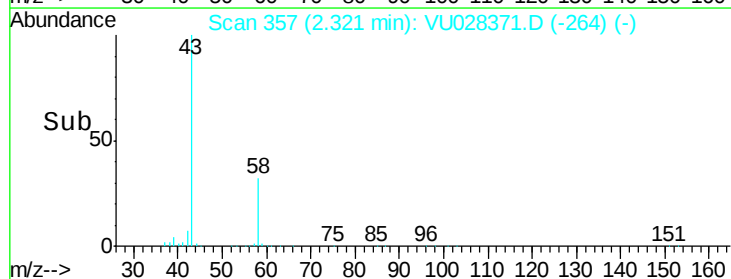
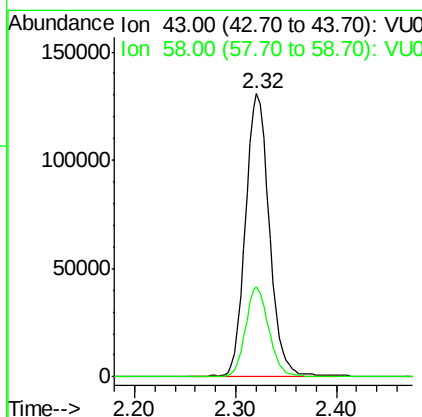
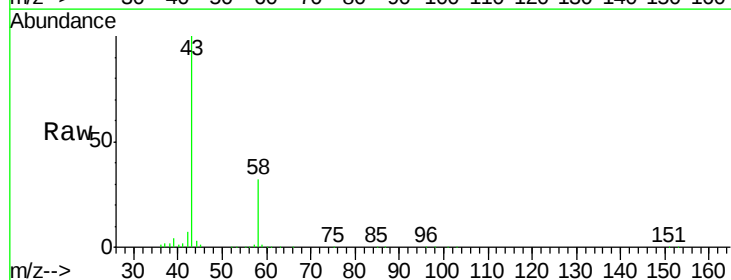
Manual Integrations
APPROVED

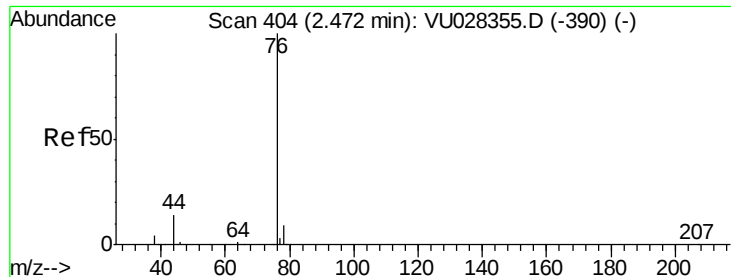
MMDadoda
11/29/2018 1:23:22 PM



#16
Acetone
Concen: 84.314 ug/l
RT: 2.32 min Scan# 357
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion:	43	Resp:	212400
Ion Ratio	Lower	Upper	
43	100		
58	32.0	24.4	36.6





#17

Carbon Disulfide

Concen: 18.119 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 76 Resp: 183076

Ion Ratio Lower Upper

76 100

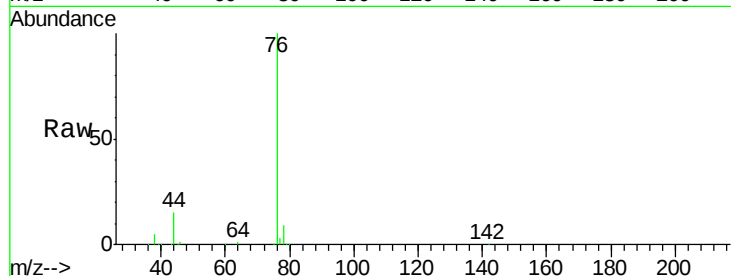
78 9.0 7.4 11.2

Manual Integrations

APPROVED

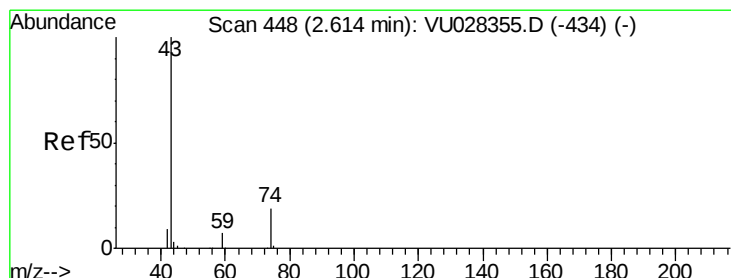
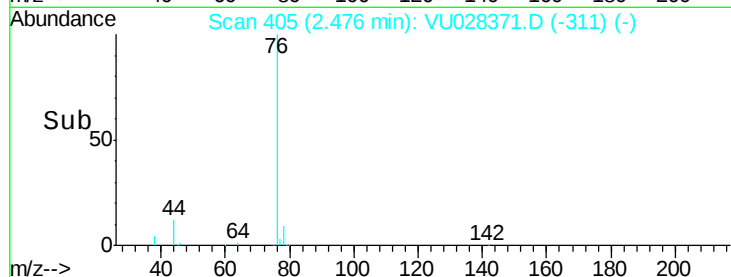
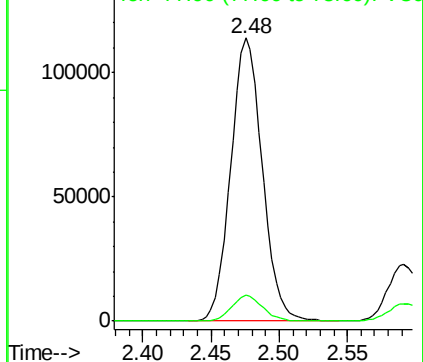
MMDadoda

11/29/2018 1:23:22 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 19.924 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028371.D

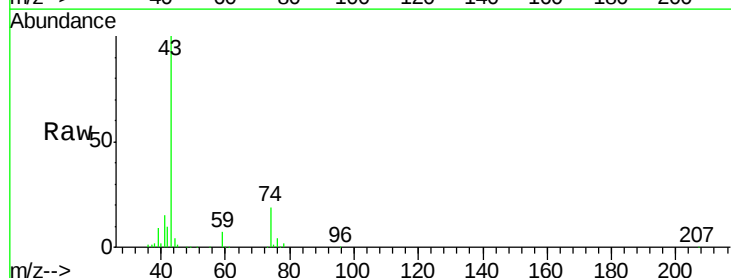
Acq: 28 Nov 2018 17:20

Tgt Ion: 43 Resp: 139744

Ion Ratio Lower Upper

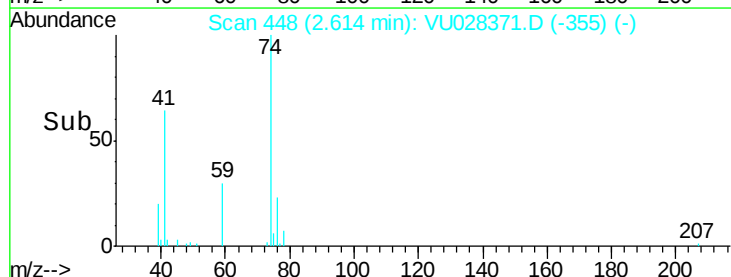
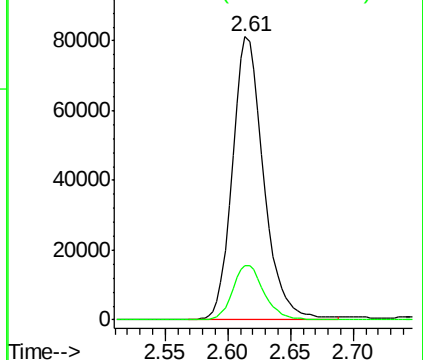
43 100

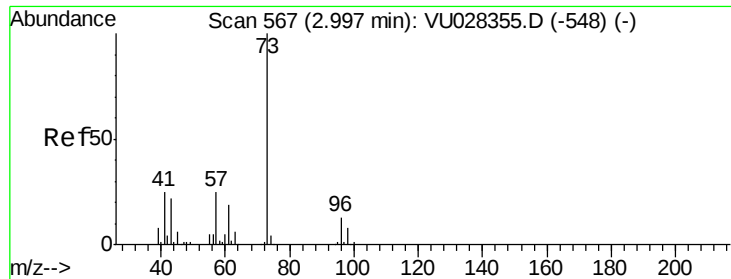
74 19.5 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#19

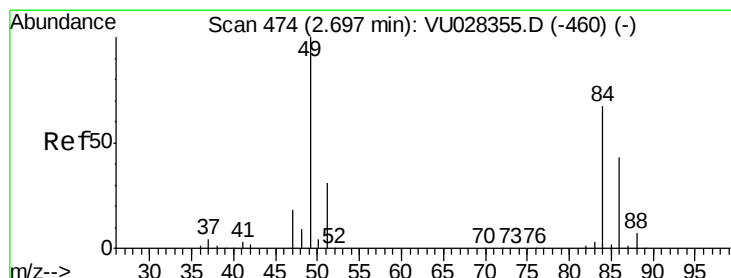
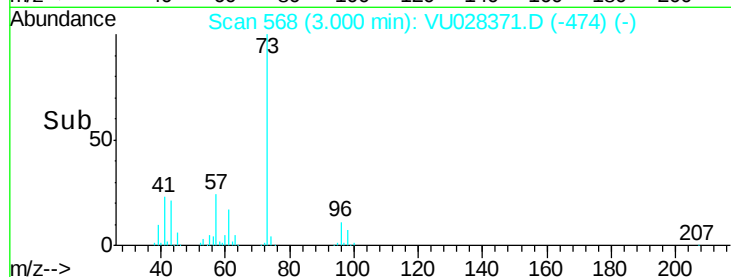
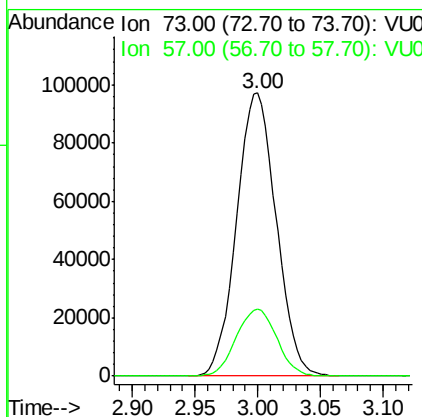
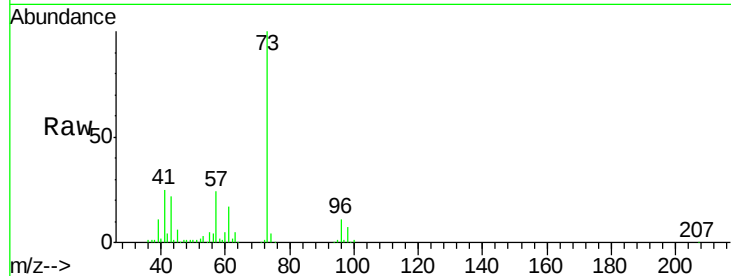
Methyl tert-butyl Ether
 Concen: 19.778 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion: 73 Resp: 213443
 Ion Ratio Lower Upper
 73 100
 57 23.8 20.1 30.1

Manual Integrations
 APPROVED

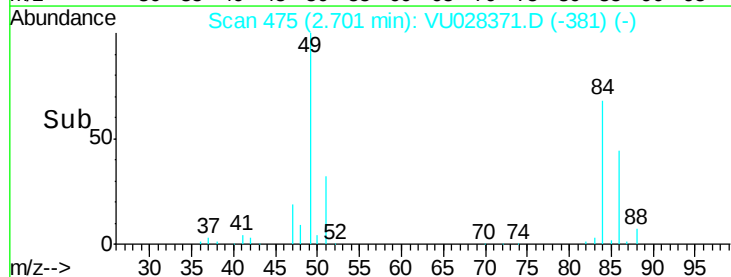
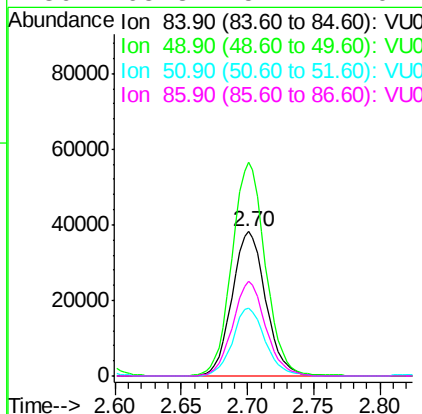
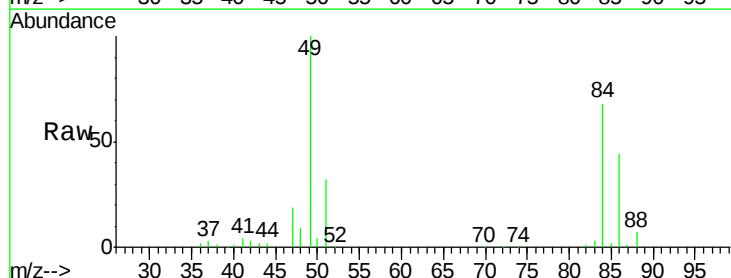
MMDadoda
 11/29/2018 1:23:22 PM

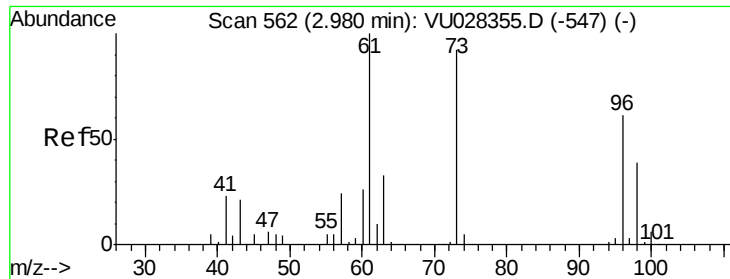


#20

Methylene Chloride
 Concen: 18.982 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion: 84 Resp: 67608
 Ion Ratio Lower Upper
 84 100
 49 147.7 120.0 180.0
 51 47.2 36.9 55.3
 86 65.3 51.1 76.7





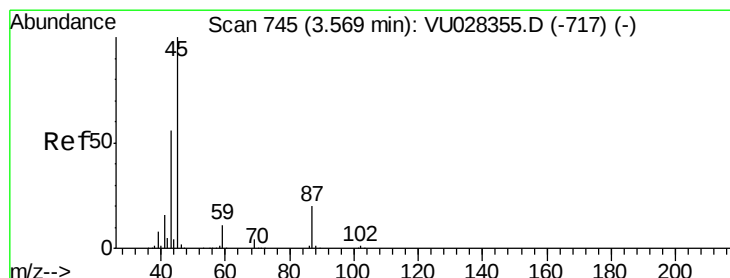
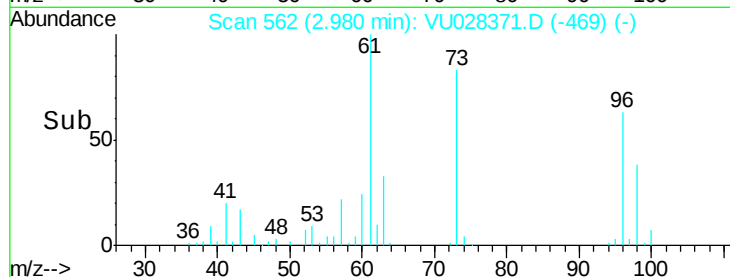
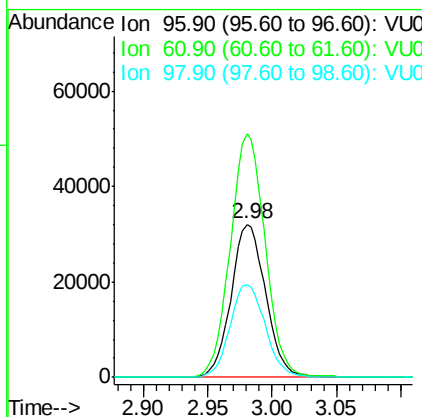
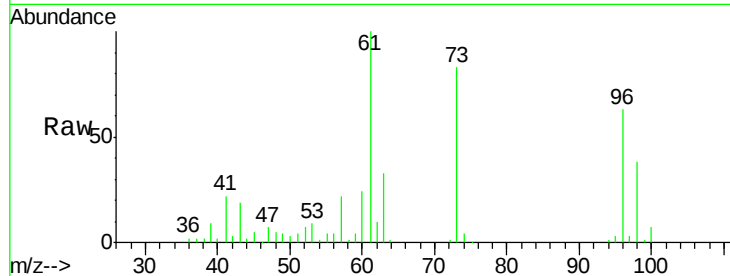
#21
trans-1,2-Dichloroethene
Concen: 19.524 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	131.1	196.7
98	60.7	51.7	77.5

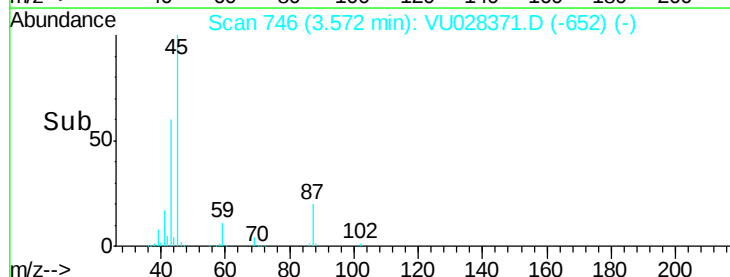
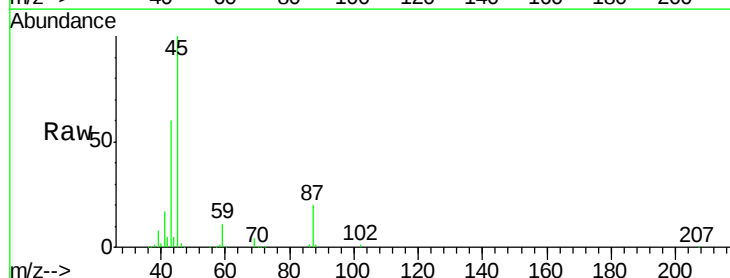
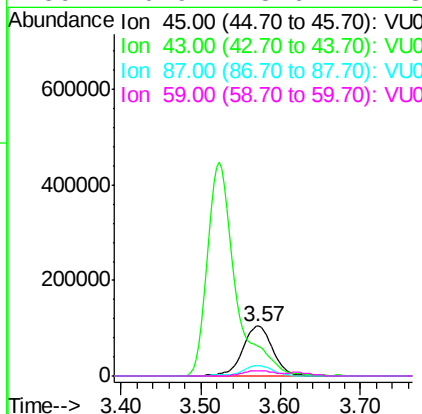
Manual Integrations
APPROVED

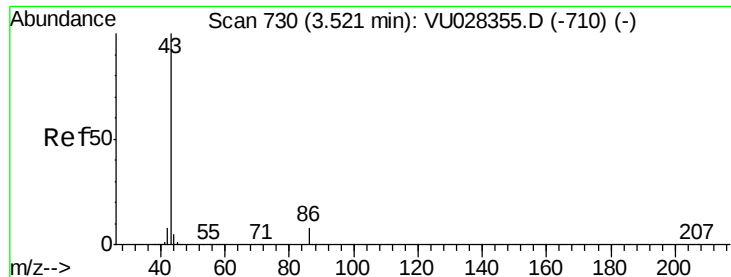
MMDadoda
11/29/2018 1:23:22 PM



#22
Diisopropyl ether
Concen: 19.601 ug/l
RT: 3.57 min Scan# 746
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	44.8	67.2
87	20.5	16.3	24.5
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 97.340 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tot Ion: 43 Resp: 1095572

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7

Instrument :

MSVOA_U

ClientSampleId :

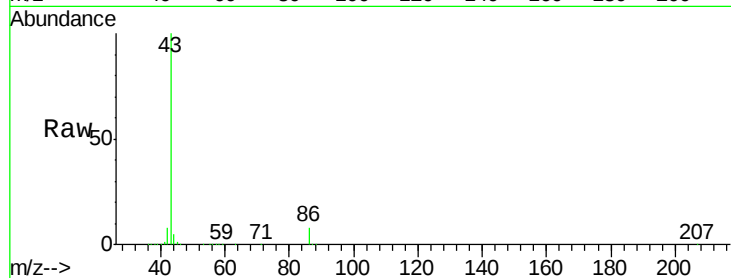
VU1128WBSD01

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

3.52

400000

300000

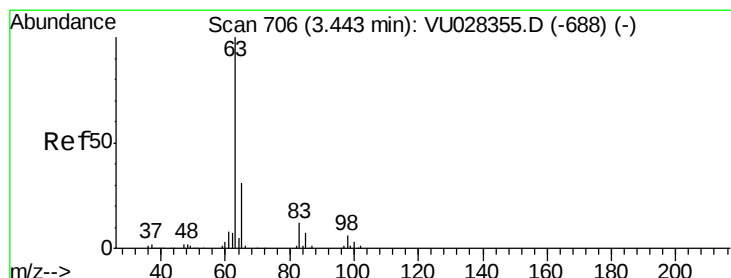
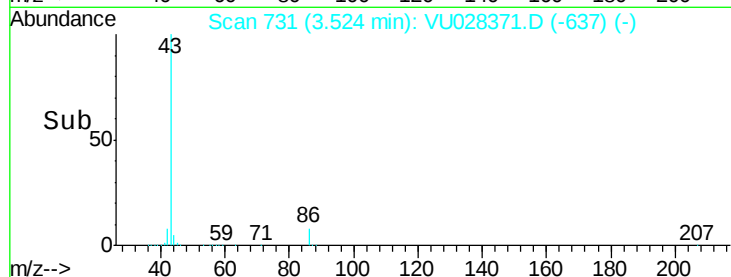
200000

100000

0

Time-->

3.40 3.50 3.60 3.70



#24

1,1-Dichloroethane

Concen: 20.280 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

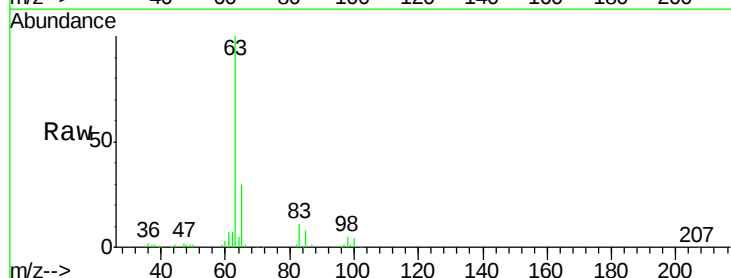
Tgt Ion: 63 Resp: 135386

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

100 3.8 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

3.45

80000

60000

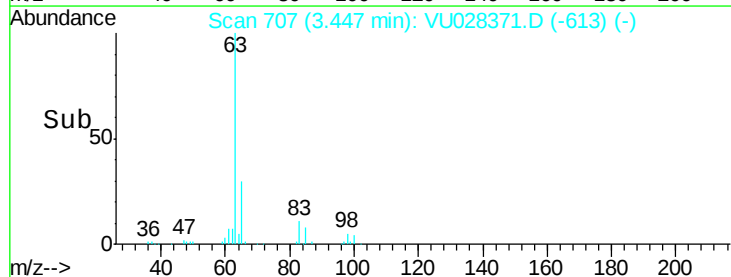
40000

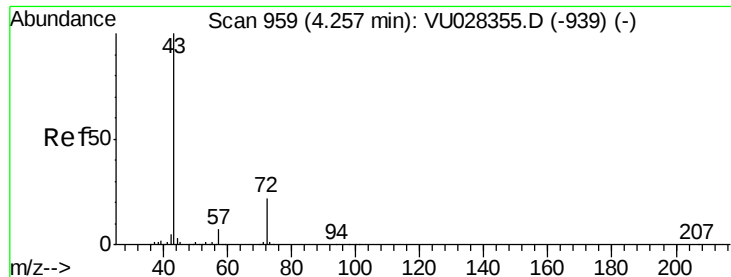
20000

0

Time-->

3.40 3.50





#25

2-Butanone

Concen: 94.525 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 43 Resp: 341265

Ion Ratio Lower Upper

43 100

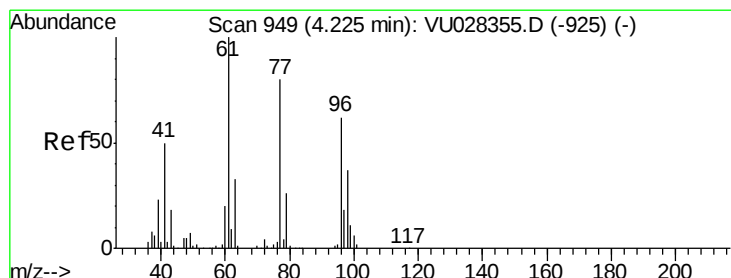
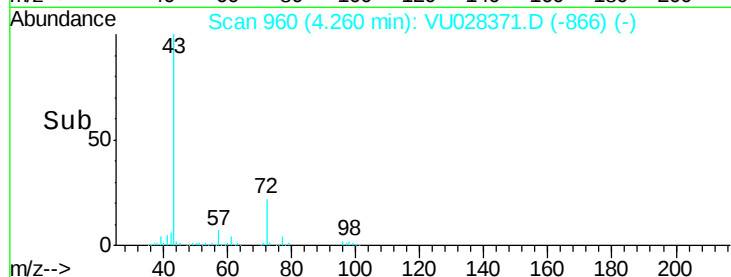
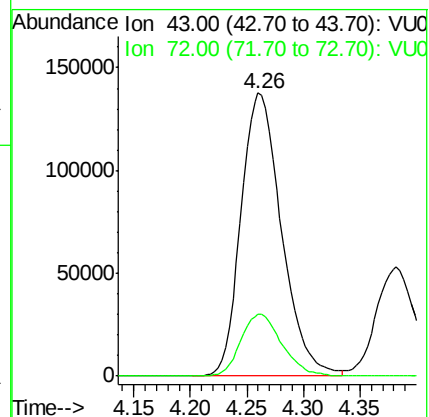
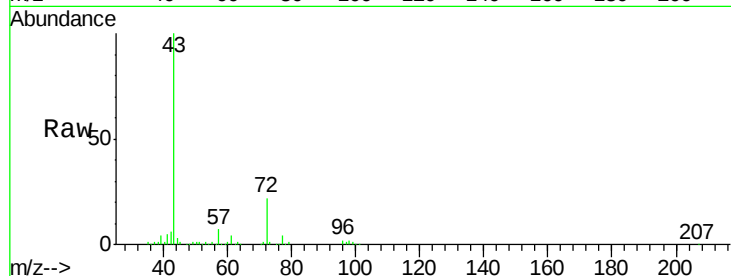
72 21.6 17.7 26.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.405 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028371.D

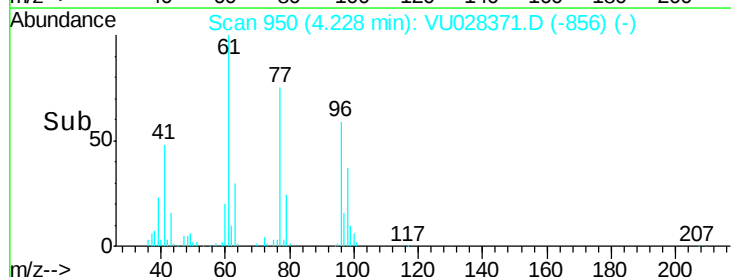
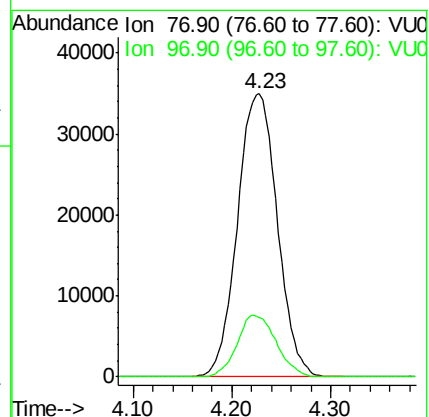
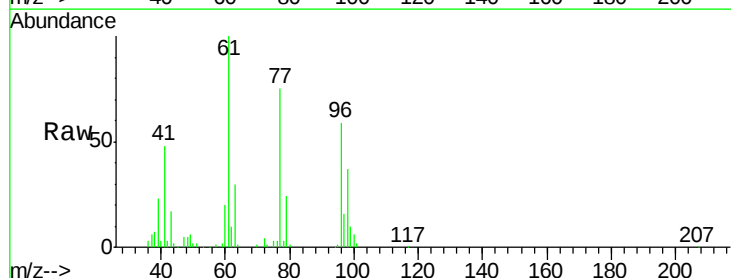
Acq: 28 Nov 2018 17:20

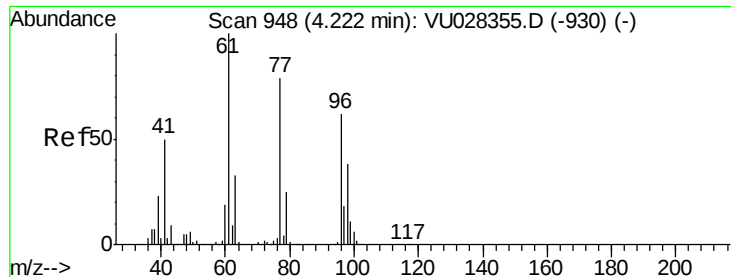
Tgt Ion: 77 Resp: 97581

Ion Ratio Lower Upper

77 100

97 21.4 10.7 32.1





#27

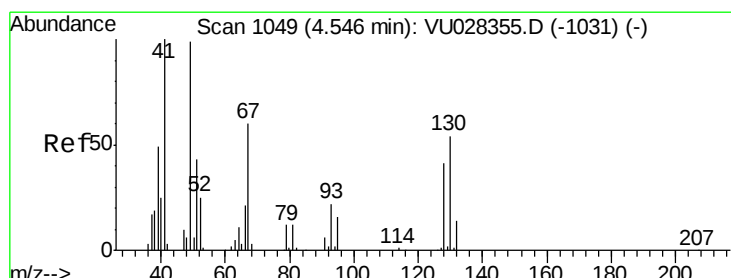
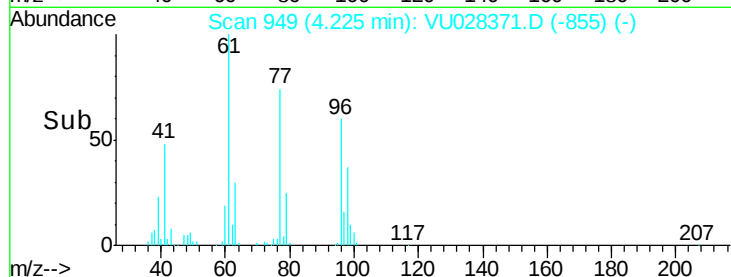
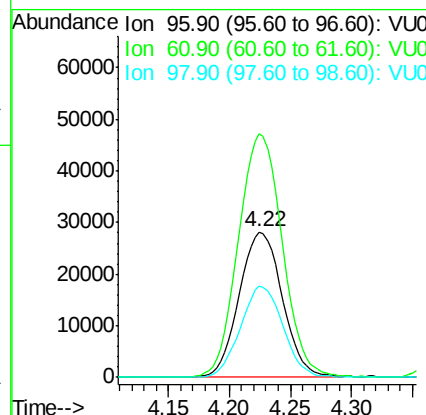
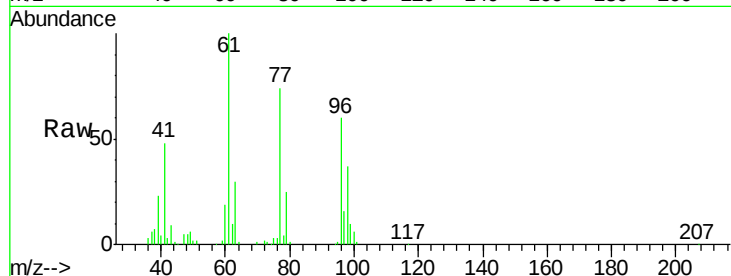
cis-1,2-Dichloroethene
 Concen: 19.115 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	170.8	0.0	342.0
98	61.8	0.0	126.4

Manual Integrations
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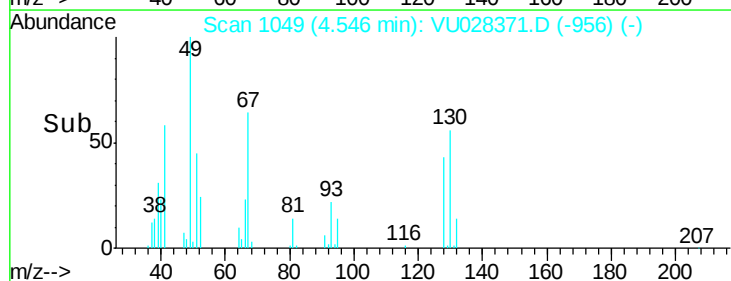
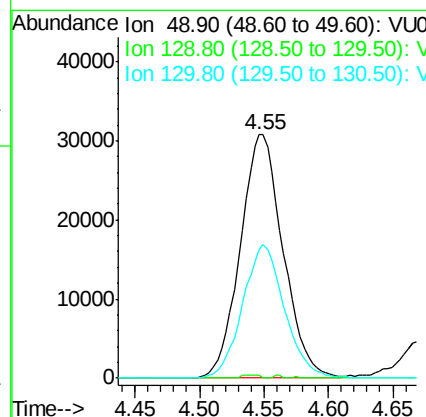
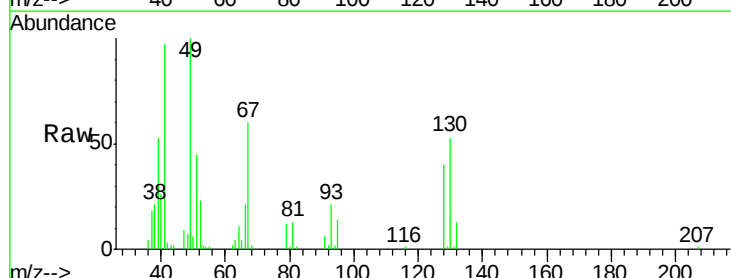
MMDadoda
 11/29/2018 1:23:22 PM

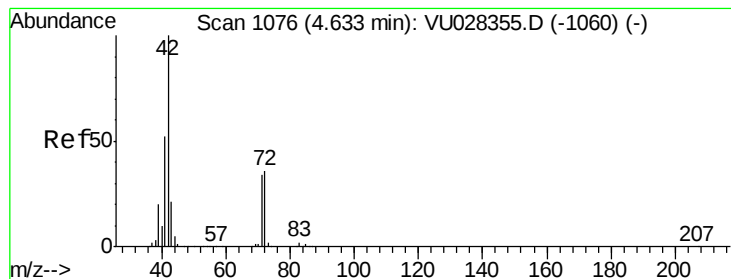


#28

Bromochloromethane
 Concen: 21.236 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.6
130	53.9	44.5	66.7





#29

Tetrahydrofuran

Concen: 101.595 ug/l

RT: 4.64 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

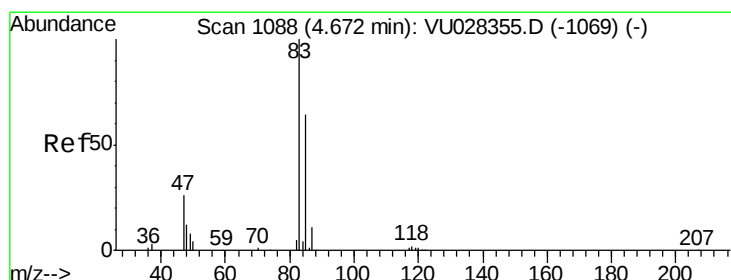
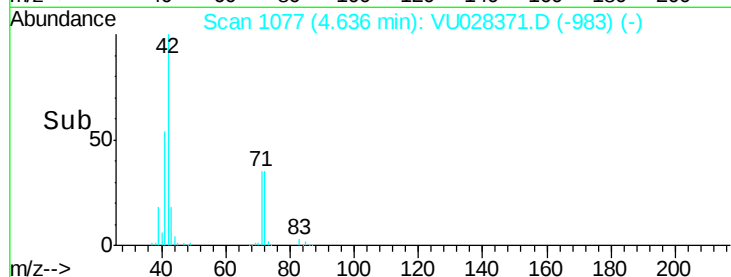
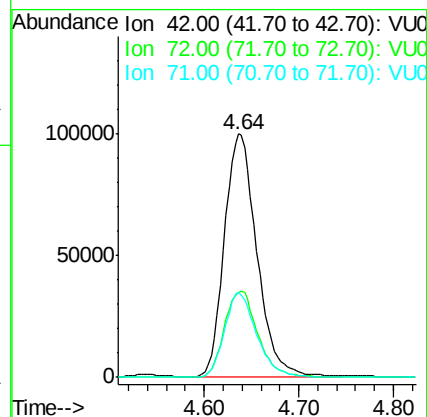
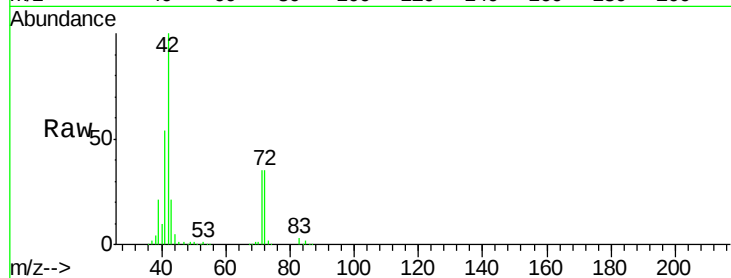
ClientSampleId :

VU1128WBSD01

Tot Ion:	42	Resp:	238146
Ion Ratio		Lower	Upper
42	100		
72	36.5	29.5	44.3
71	34.4	27.7	41.5

Manual Integrations
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#30

Chloroform

Concen: 19.129 ug/l

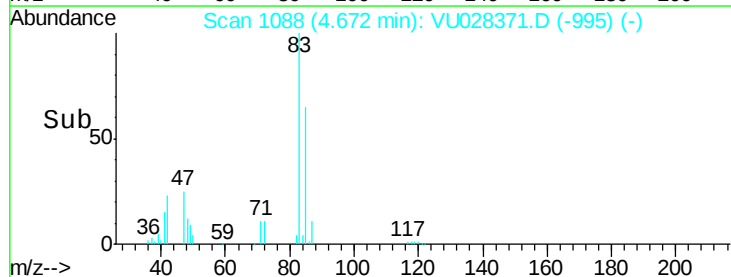
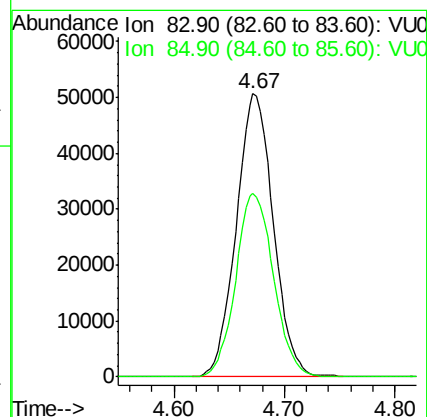
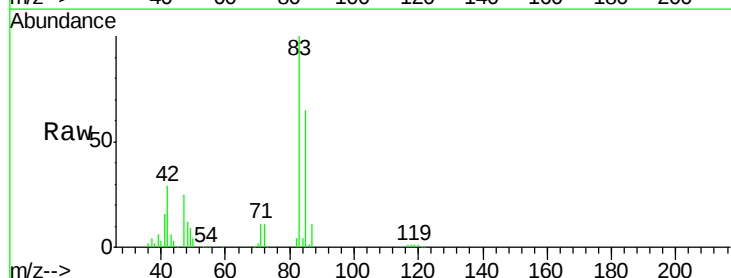
RT: 4.67 min Scan# 1088

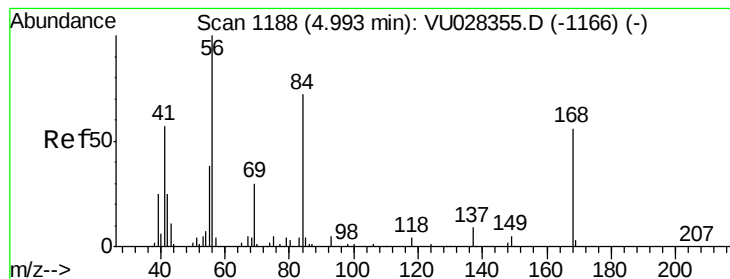
Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	83	Resp:	117874
Ion Ratio		Lower	Upper
83	100		
85	65.0	51.2	76.8





#31

Cyclohexane

Concen: 19.422 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

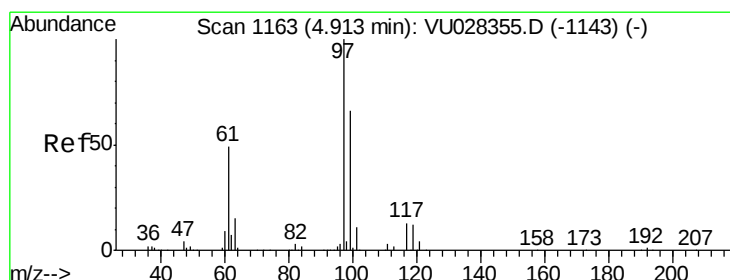
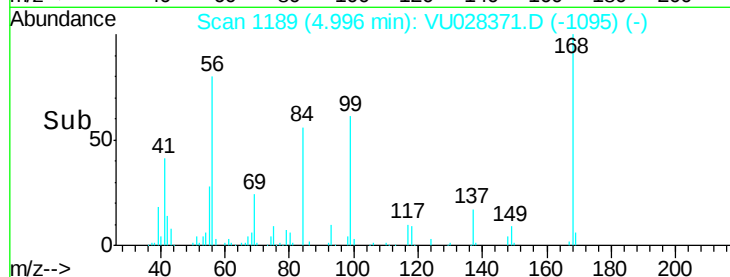
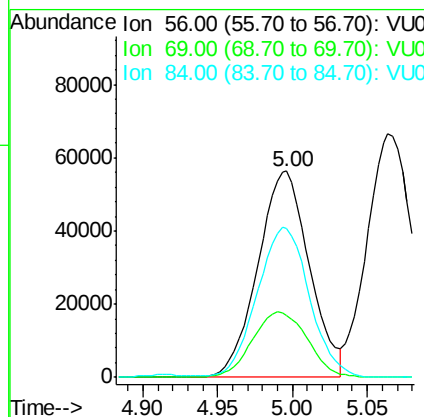
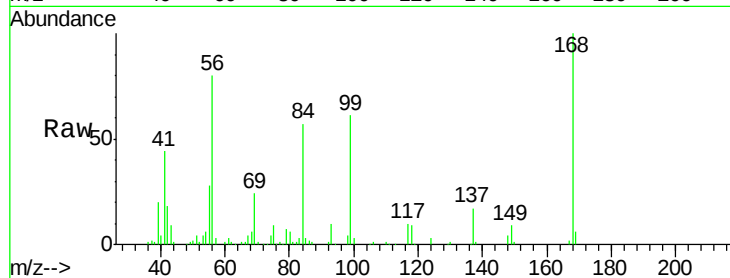
ClientSampleId :

VU1128WBSD01

Tot Ion:	56	Resp:	134716
Ion Ratio	Lower	Upper	
56	100		
69	30.0	23.7	35.5
84	71.3	57.3	85.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.480 ug/l

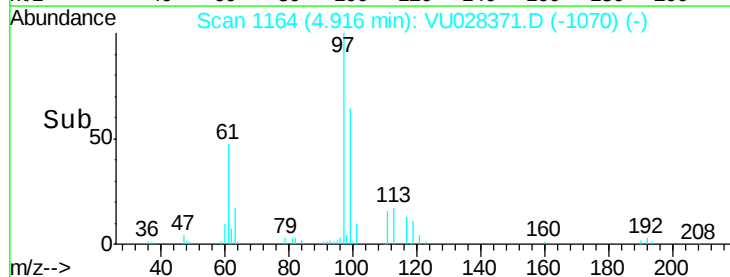
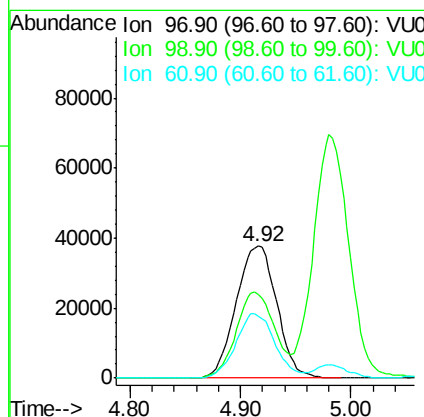
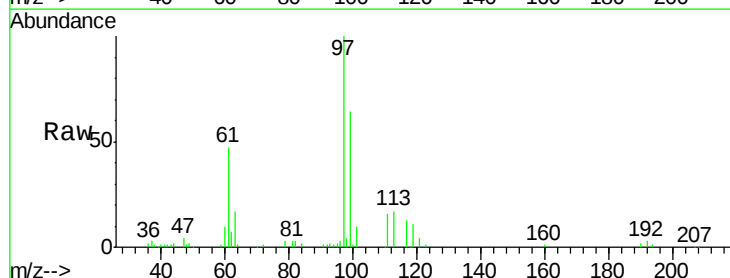
RT: 4.92 min Scan# 1164

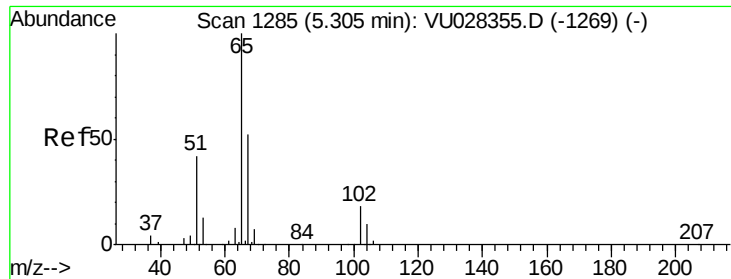
Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	97	Resp:	96321
Ion Ratio	Lower	Upper	
97	100		
99	62.0	50.8	76.2
61	47.1	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 49.757 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 65 Resp: 204902

Ion Ratio Lower Upper

65 100

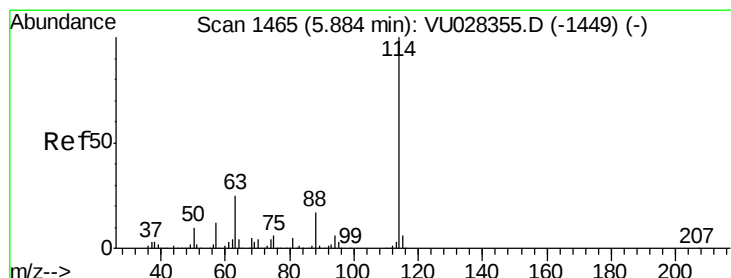
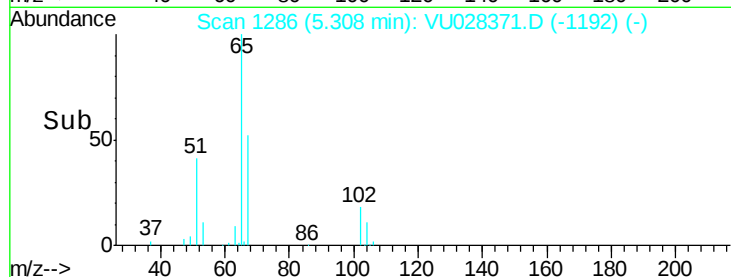
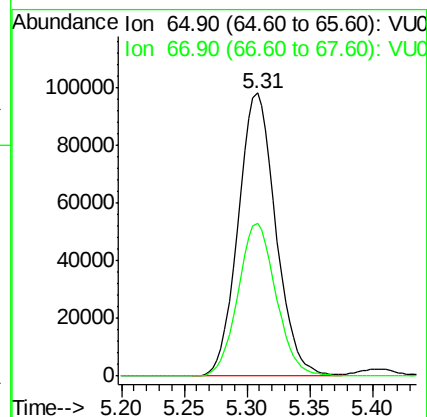
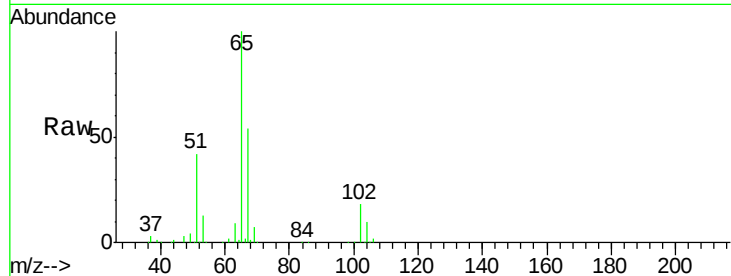
67 54.4 0.0 106.8

Manual Integrations

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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: VU028371.D

Acq: 28 Nov 2018 17:20

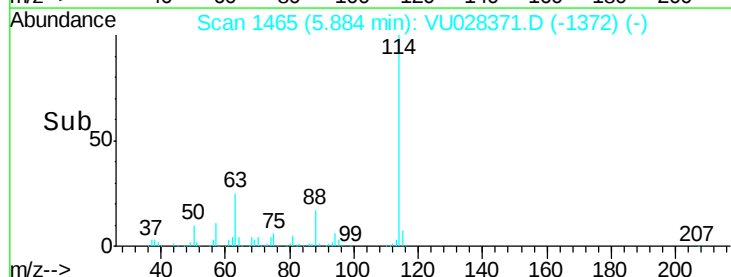
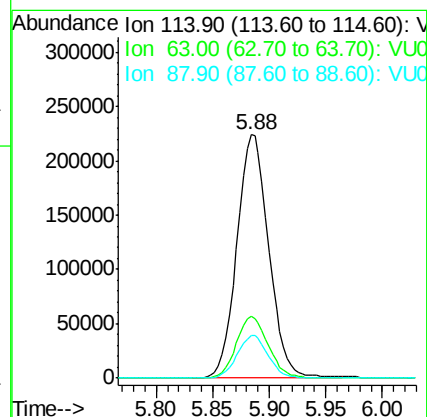
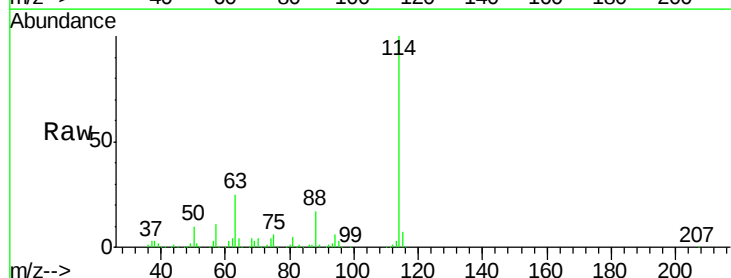
Tgt Ion: 114 Resp: 439994

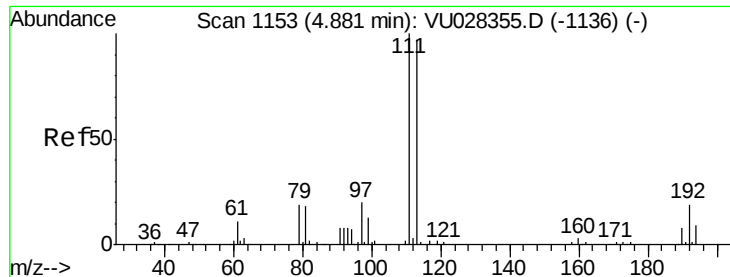
Ion Ratio Lower Upper

114 100

63 25.3 0.0 50.0

88 17.3 0.0 34.4





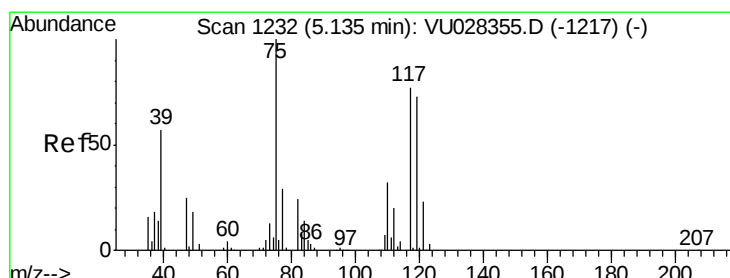
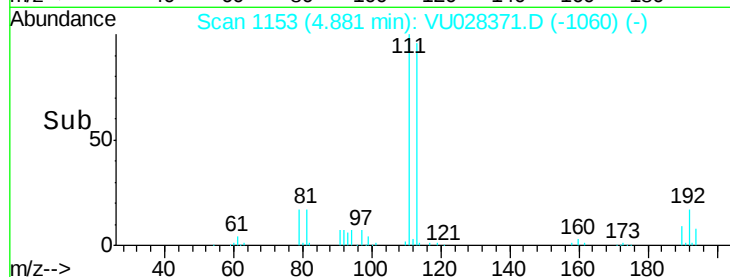
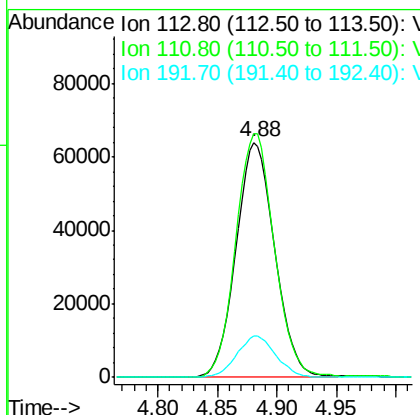
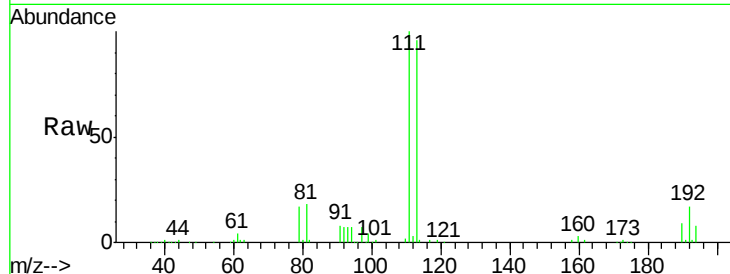
#35
 Dibromofluoromethane
 Concen: 49.133 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.9	124.3	
192	17.7	15.4	23.0	

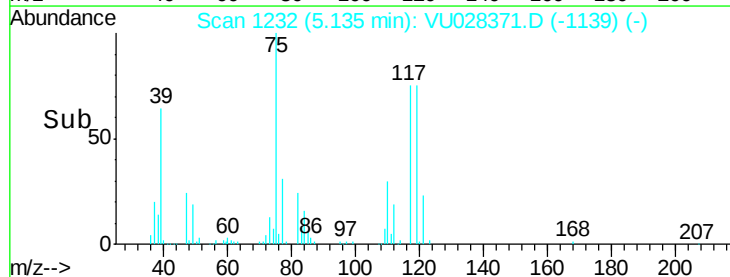
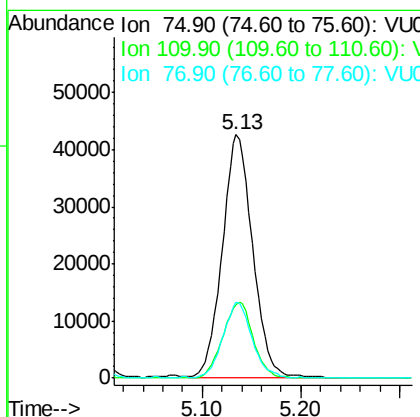
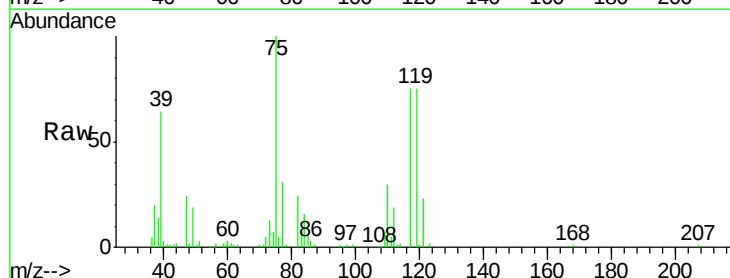
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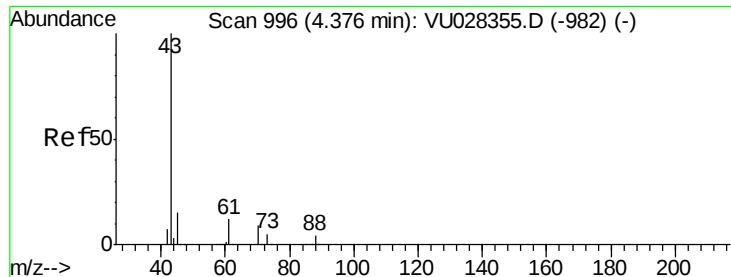
MMDadoda
 11/29/2018 1:23:22 PM



#36
 1,1-Dichloropropene
 Concen: 18.986 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.9	15.8	47.4	
77	29.4	24.6	36.8	





#37

Ethyl Acetate

Concen: 19.950 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.01 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

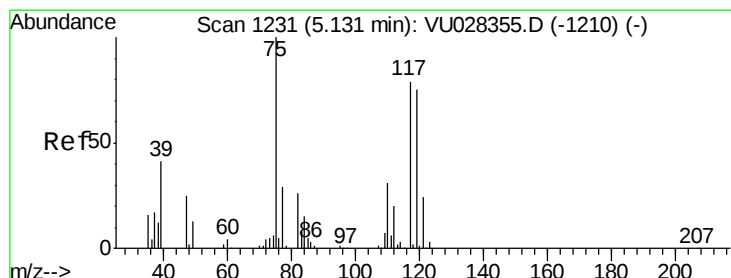
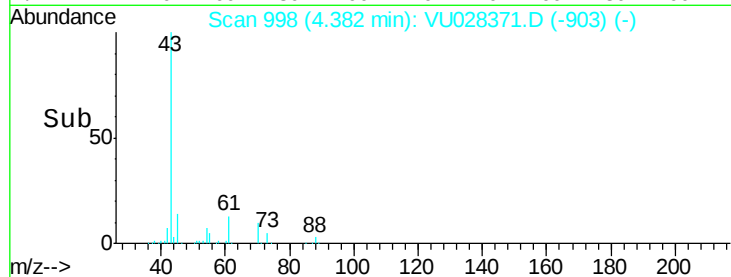
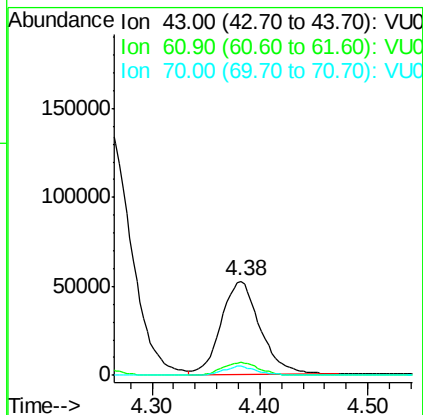
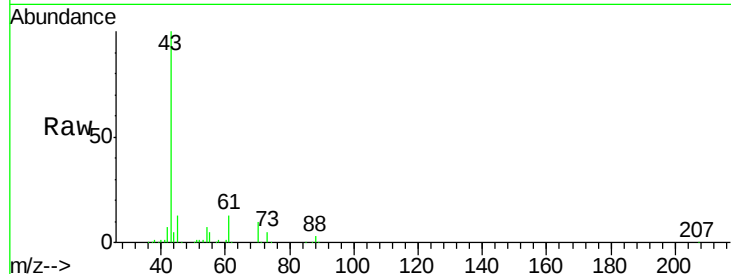
ClientSampleId :

VU1128WBSD01

Tot Ion:	43	Resp:	130902
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.4
70	8.5	6.9	10.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.916 ug/l

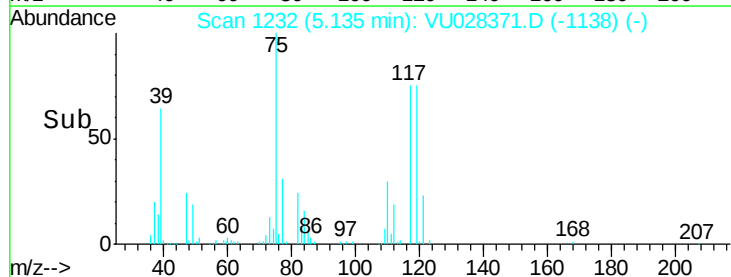
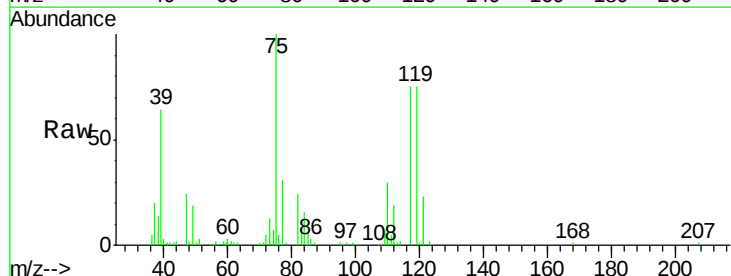
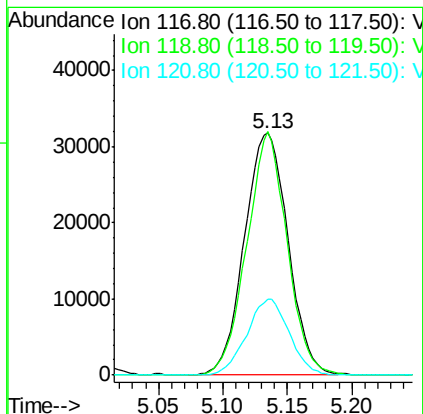
RT: 5.13 min Scan# 1232

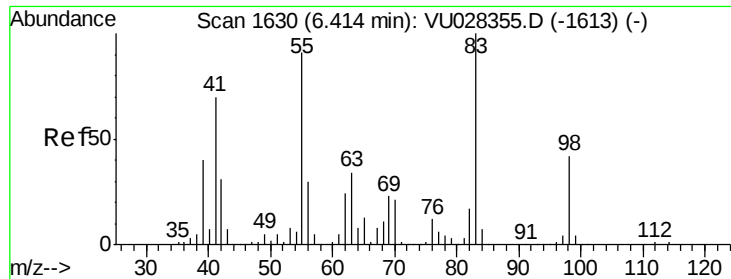
Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	117	Resp:	74790
Ion	Ratio	Lower	Upper
117	100		
119	100.6	76.3	114.5
121	31.2	24.7	37.1





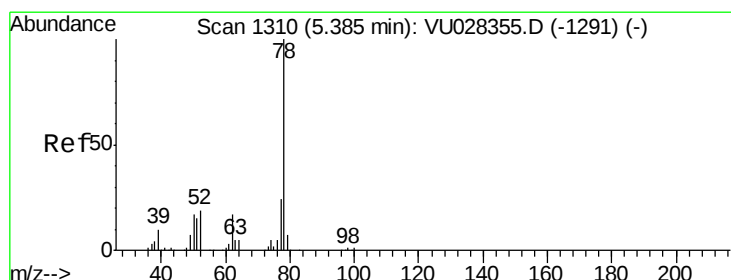
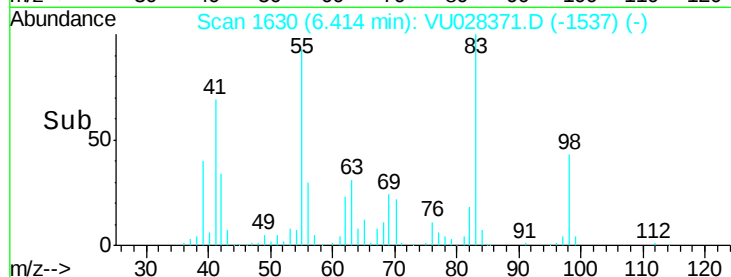
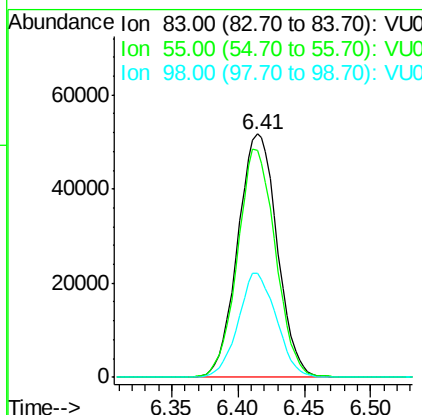
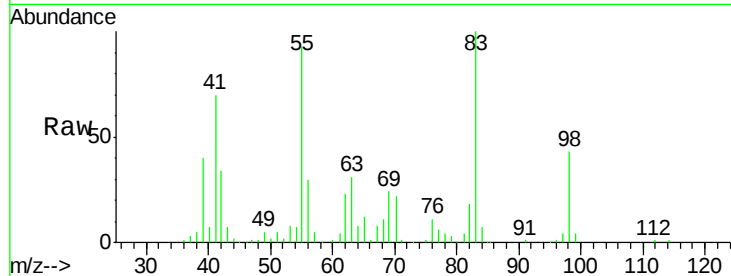
#39
Methylvlcvclohexane
Concen: 18.795 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.2	73.1	109.7
98	42.6	33.9	50.9

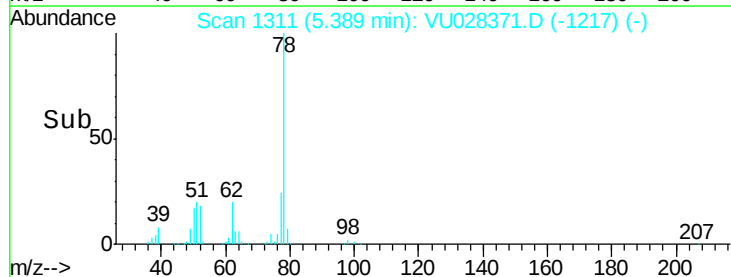
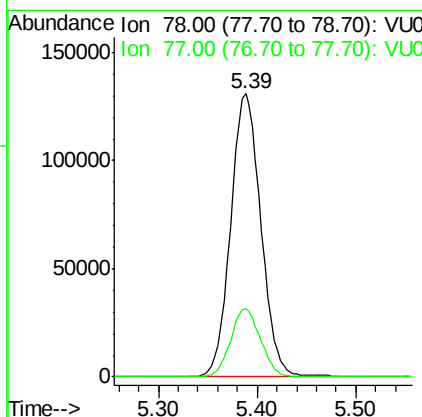
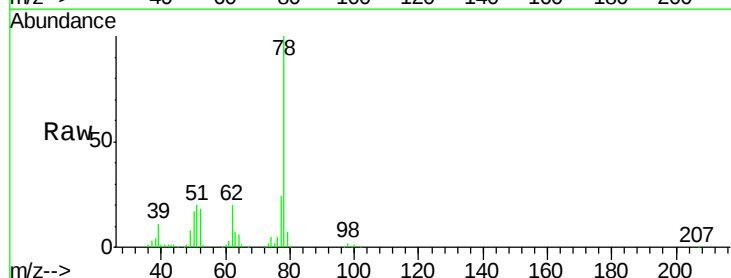
Manual Integrations
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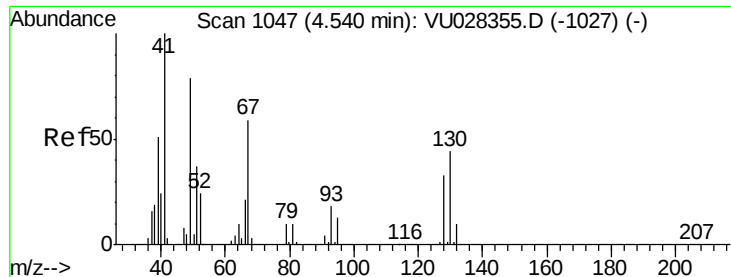
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#40
Benzene
Concen: 19.582 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





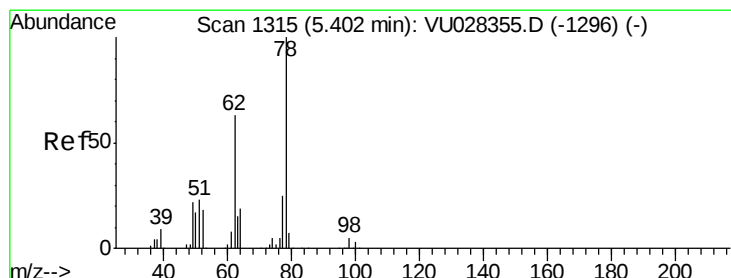
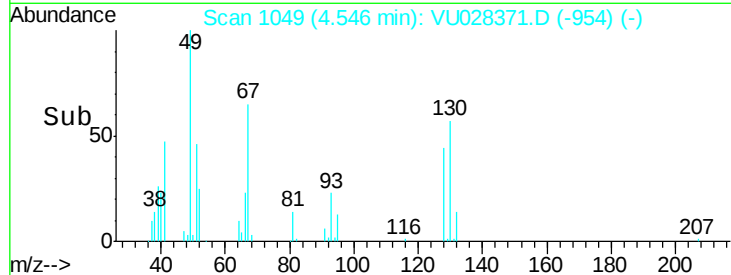
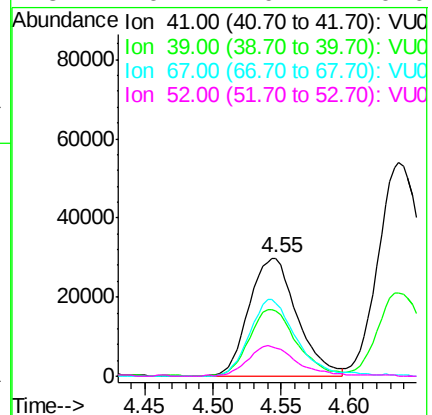
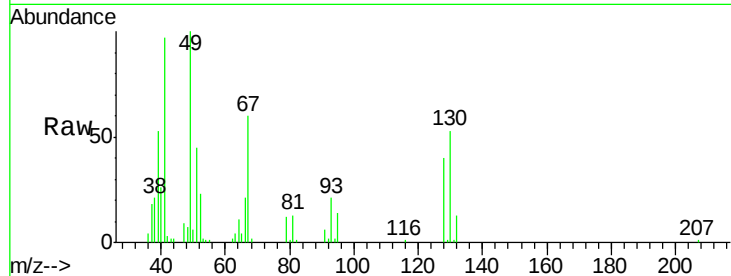
#41
Methacrylonitrile
Concen: 20.124 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.01 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.7	41.3	61.9	
67	62.9	48.6	73.0	
52	26.4	19.4	29.0	

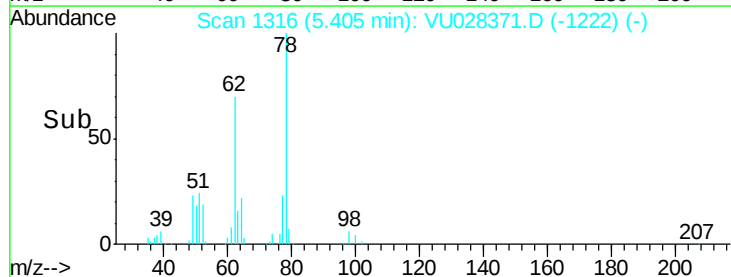
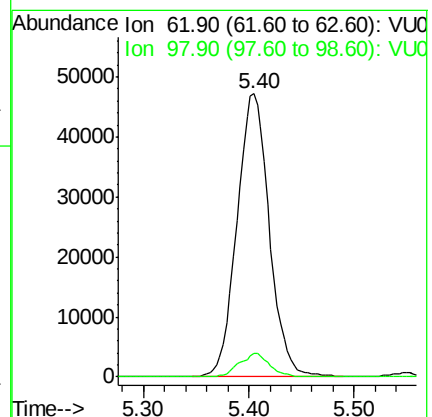
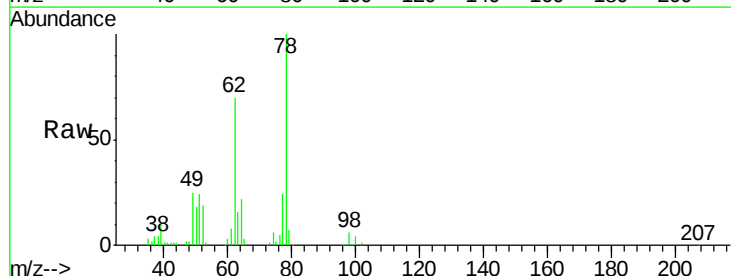
Manual Integrations
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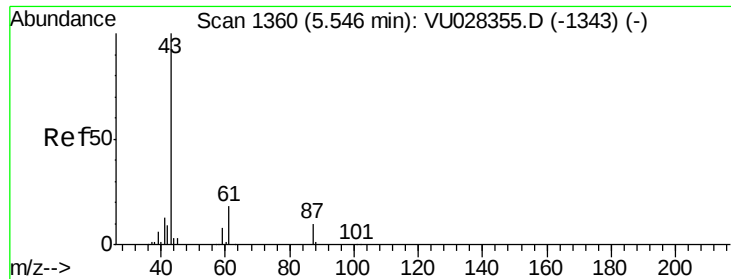
MMDadoda
11/29/2018 1:23:22 PM



#42
1,2-Dichloroethane
Concen: 19.555 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.4	





#43

Isopropyl Acetate

Concen: 20.194 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

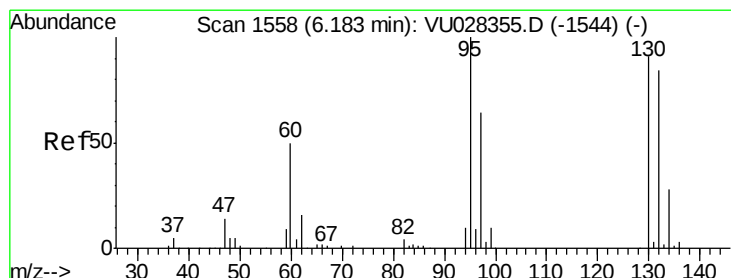
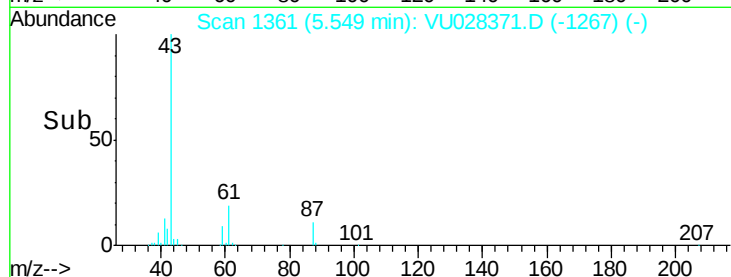
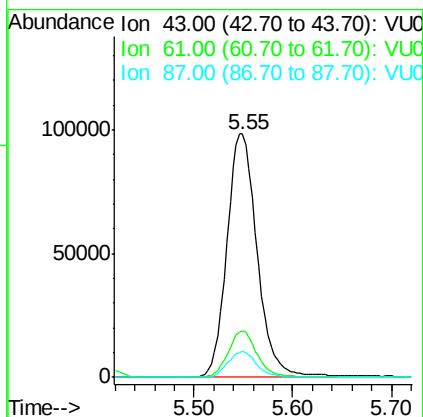
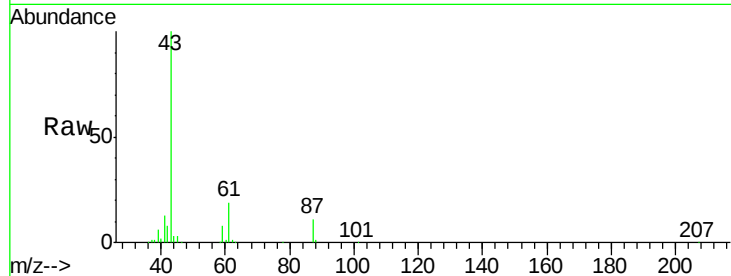
ClientSampleId :

VU1128WBSD01

Tot Ion:	43	Resp:	209966
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.5	21.7
87	10.2	8.4	12.6

Manual Integrations
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11/29/2018 1:23:22 PM



#44

Trichloroethene

Concen: 19.083 ug/l

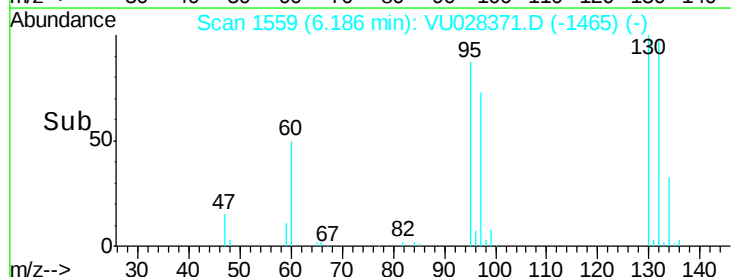
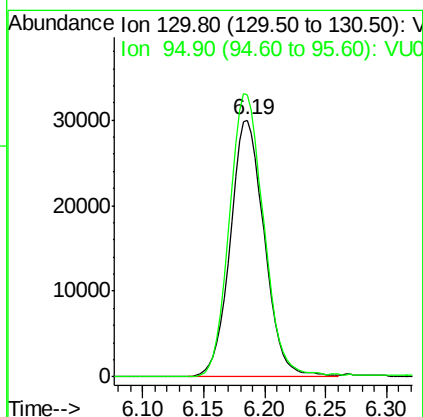
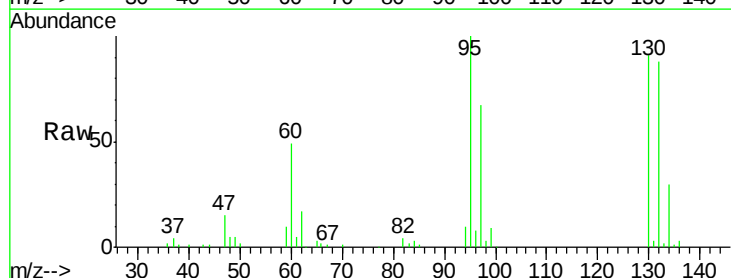
RT: 6.19 min Scan# 1559

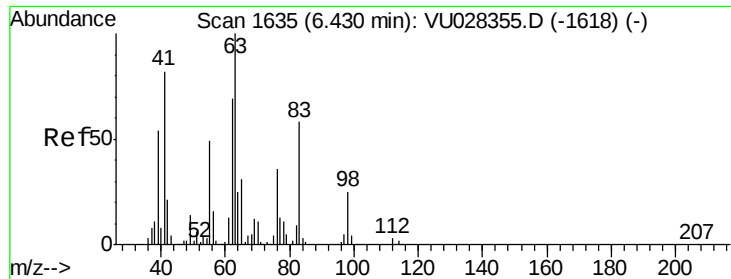
Delta R.T. 0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	130	Resp:	58331
Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	219.8





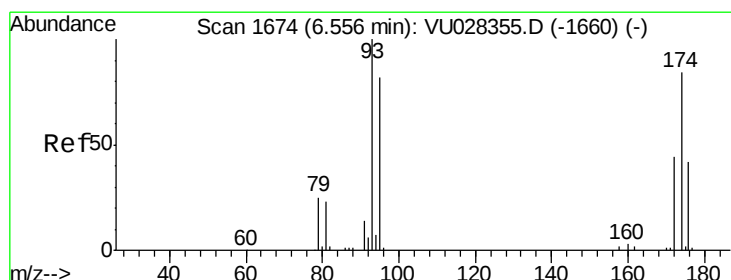
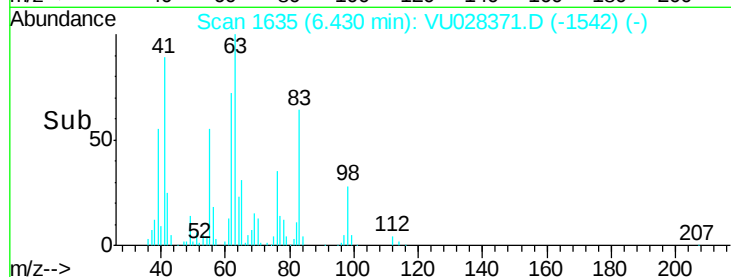
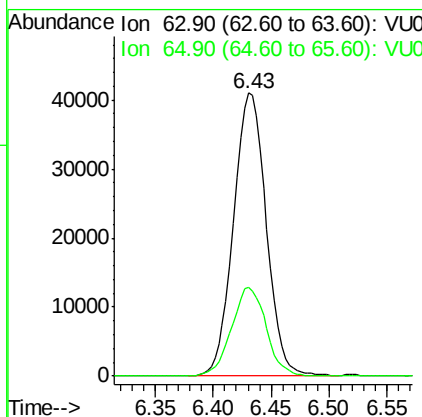
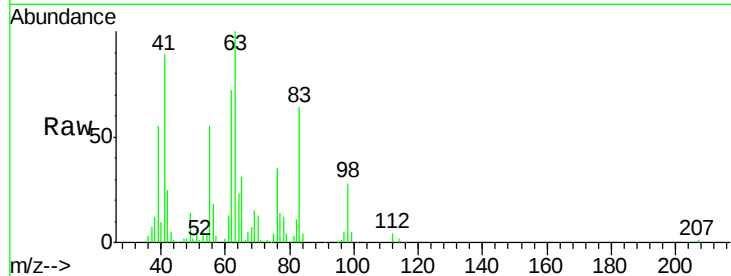
#45
 1,2-Dichloropropane
 Concen: 19.247 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion: 63 Resp: 80377
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.1 37.7

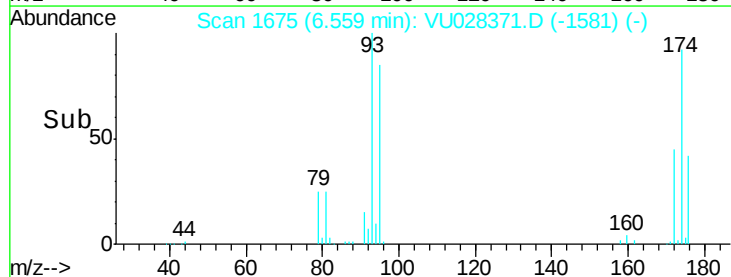
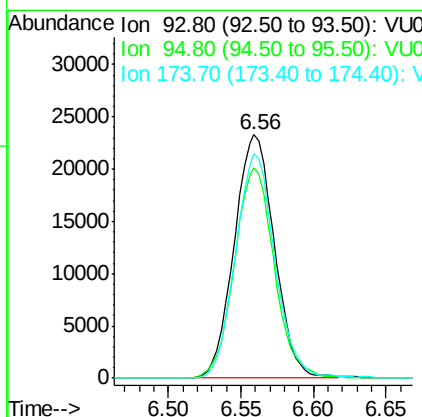
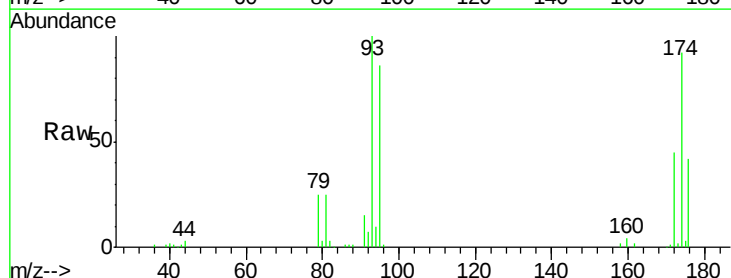
Manual Integrations
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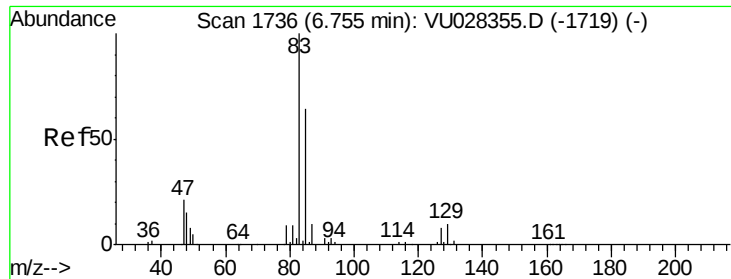
MMDadoda
 11/29/2018 1:23:22 PM



#46
 Dibromomethane
 Concen: 18.645 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion: 93 Resp: 44725
 Ion Ratio Lower Upper
 93 100
 95 85.6 65.1 97.7
 174 90.6 69.9 104.9





#47

Bromodichloromethane

Concen: 19.114 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

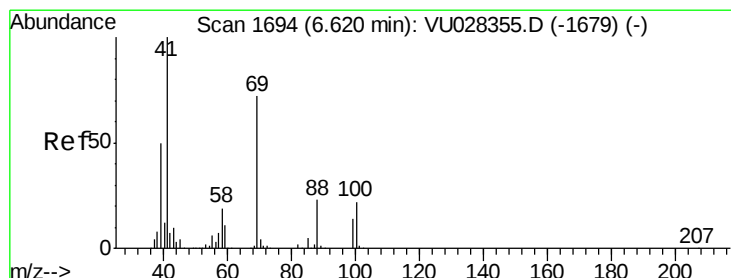
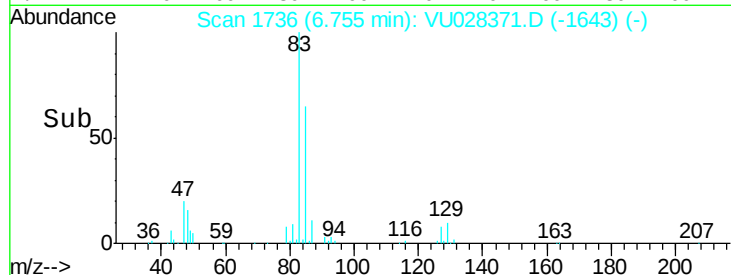
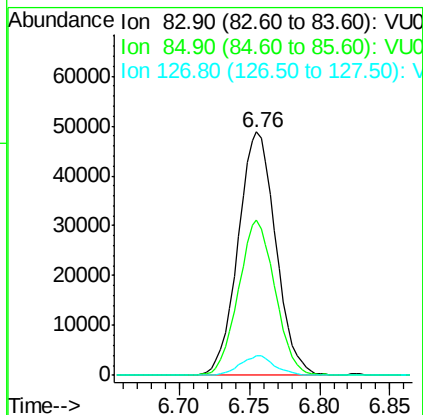
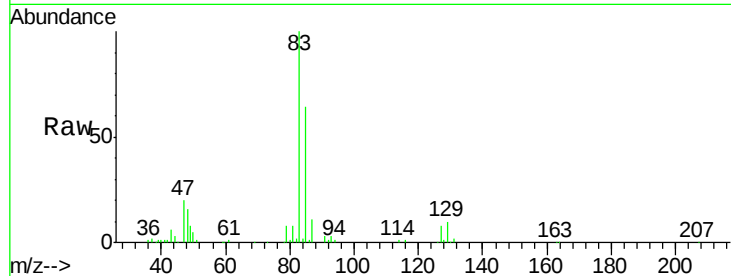
ClientSampleId :

VU1128WBSD01

Tot Ion:	83	Resp:	91197
Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3
127	7.9	6.2	9.4

Manual Integrations
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11/29/2018 1:23:22 PM



#48

Methyl methacrylate

Concen: 19.419 ug/l

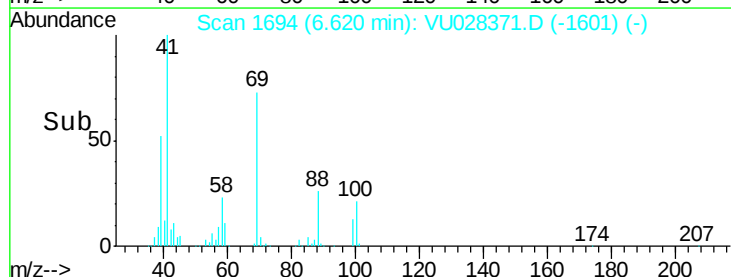
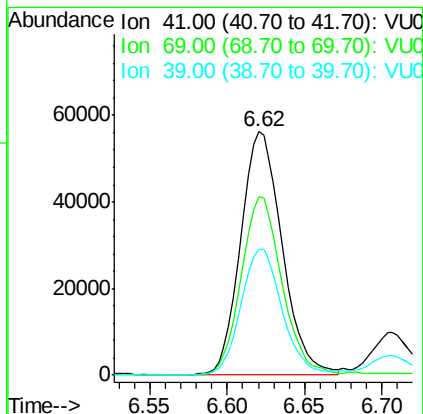
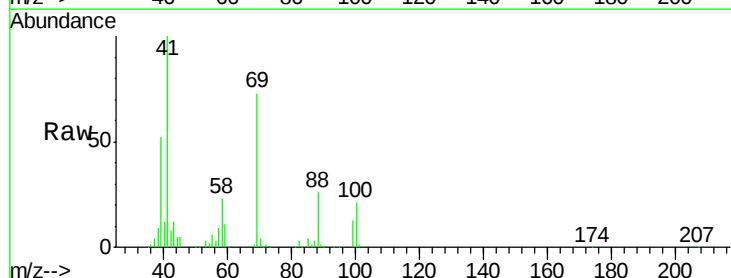
RT: 6.62 min Scan# 1694

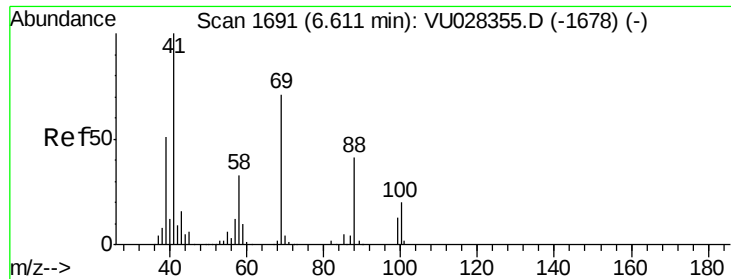
Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	41	Resp:	105175
Ion	Ratio	Lower	Upper
41	100		
69	71.8	59.0	88.4
39	51.0	40.5	60.7





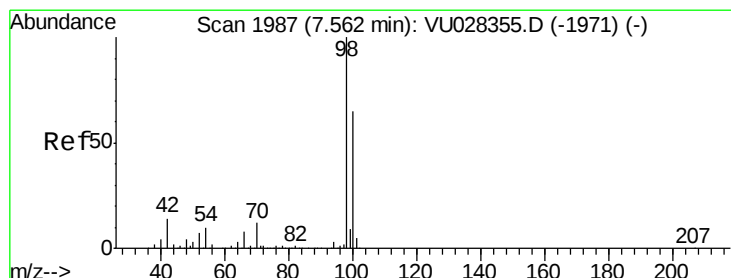
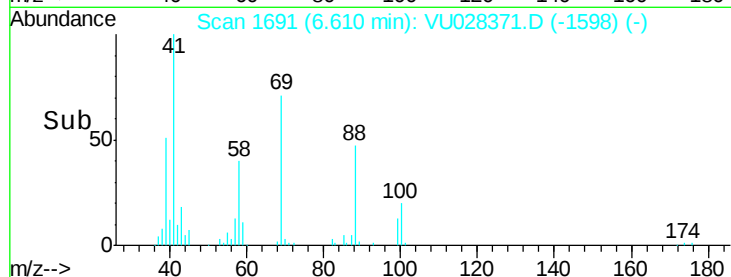
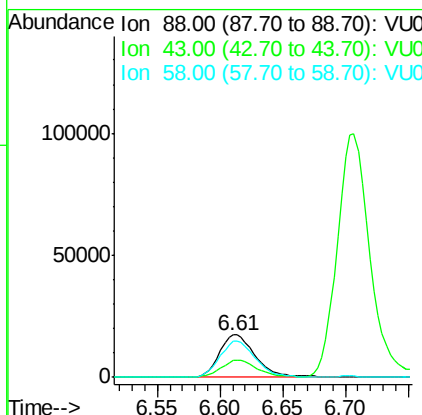
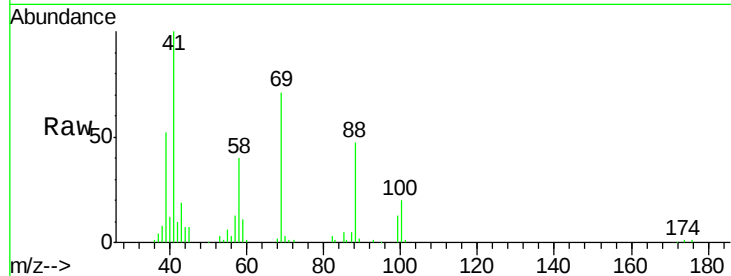
#49
1,4-Dioxane
Concen: 402.824 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	88	Resp	34854
Ion Ratio	Lower	Upper	
88	100		
43	40.5	32.6	48.8
58	84.6	68.7	103.1

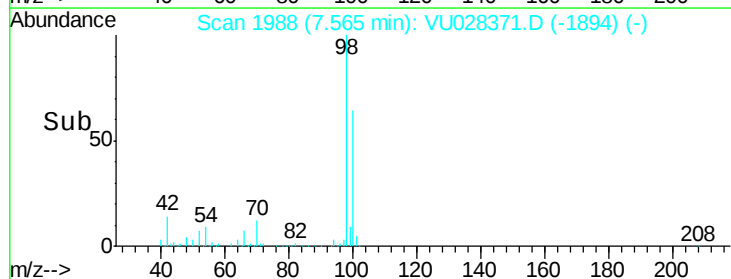
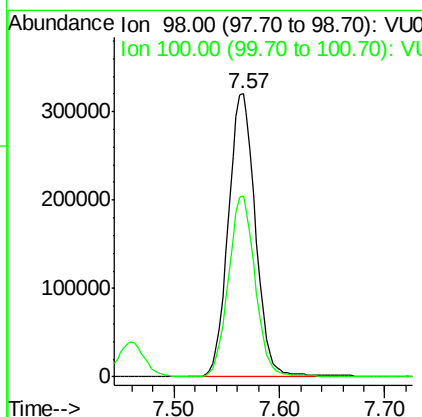
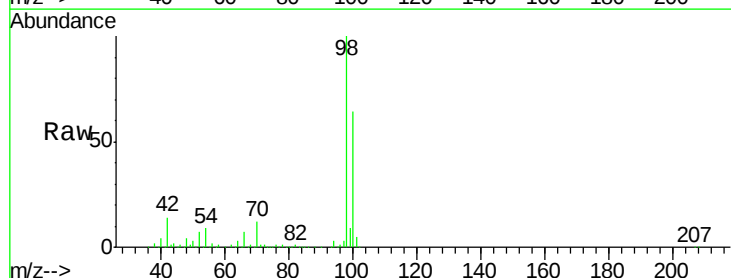
Manual Integrations
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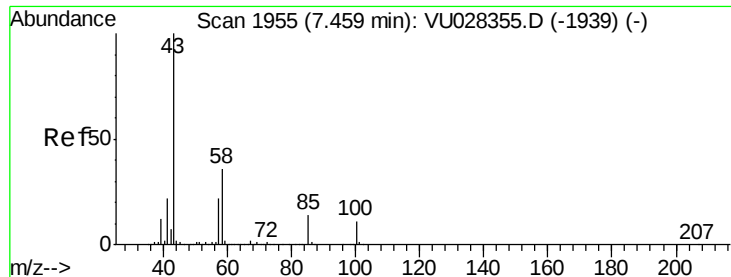
MMDadoda
11/29/2018 1:23:22 PM



#50
Toluene-d8
Concen: 48.653 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	98	Resp	569292
Ion Ratio	Lower	Upper	
98	100		
100	62.6	50.8	76.2





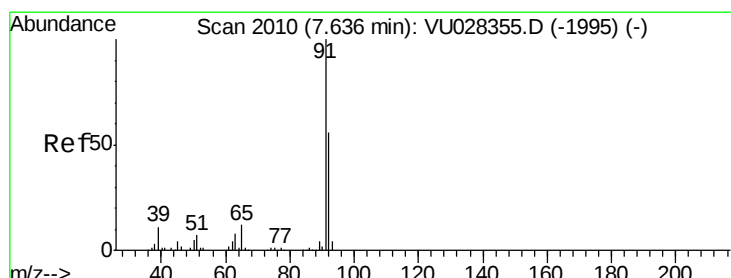
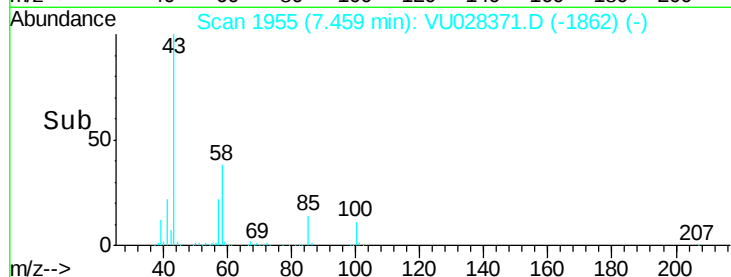
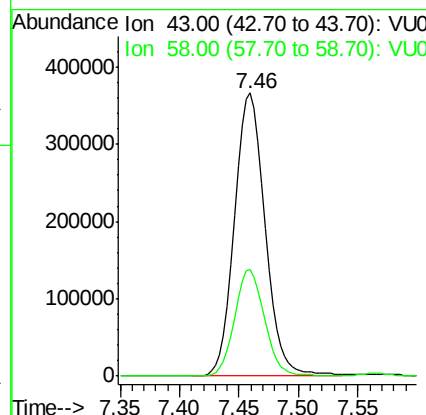
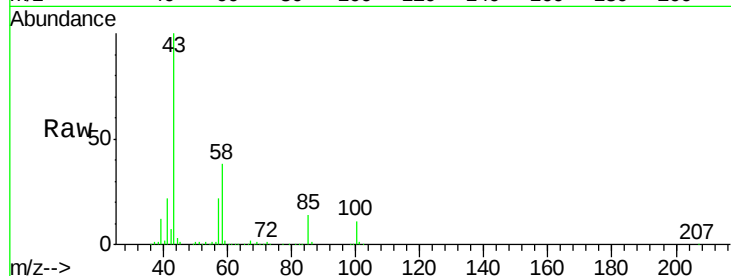
#51
4-Methyl-2-Pentanone
Concen: 98.739 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion: 43 Resp: 655708
Ion Ratio Lower Upper
43 100
58 37.0 28.8 43.2

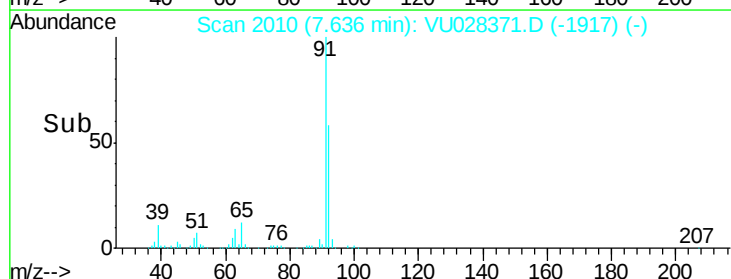
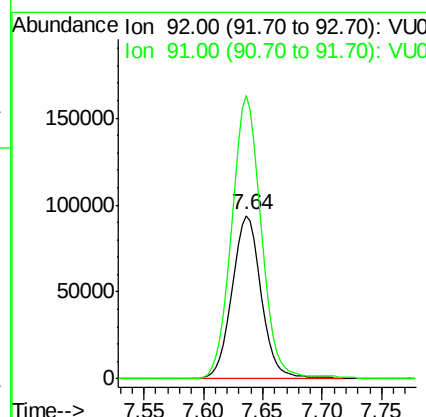
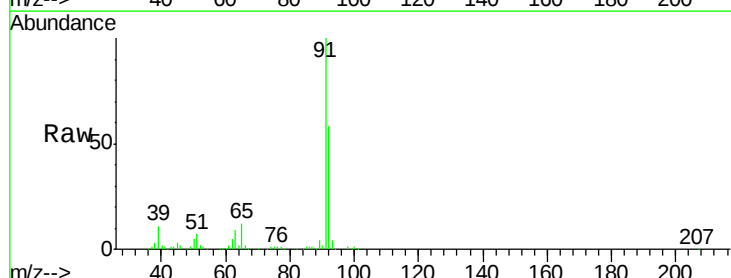
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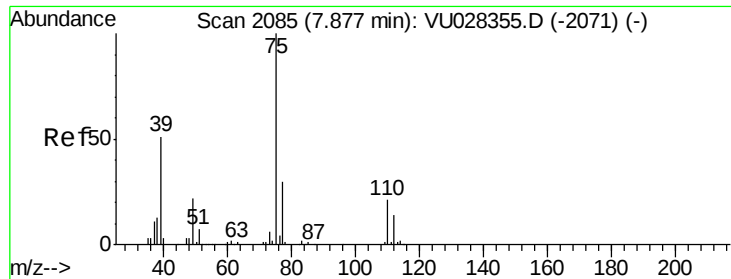
MMDadoda
11/29/2018 1:23:22 PM



#52
Toluene
Concen: 19.518 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion: 92 Resp: 160279
Ion Ratio Lower Upper
92 100
91 173.6 141.8 212.6





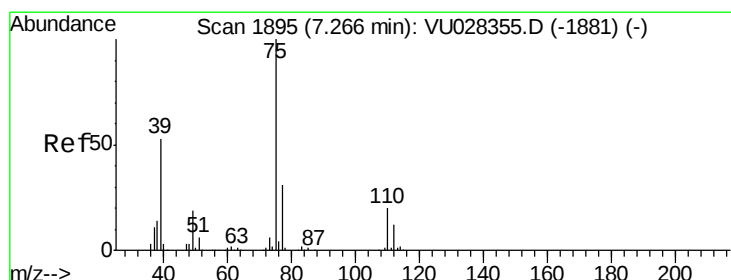
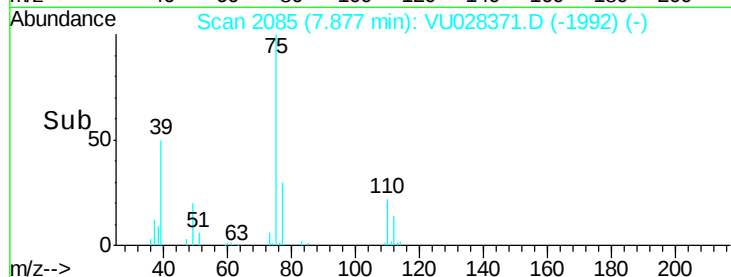
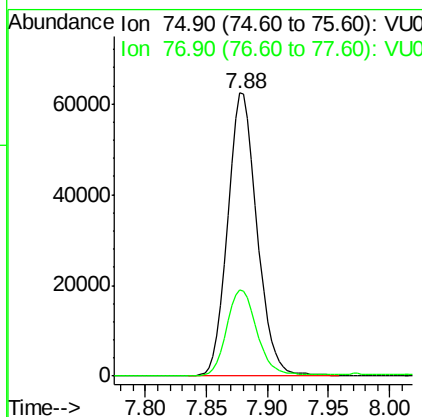
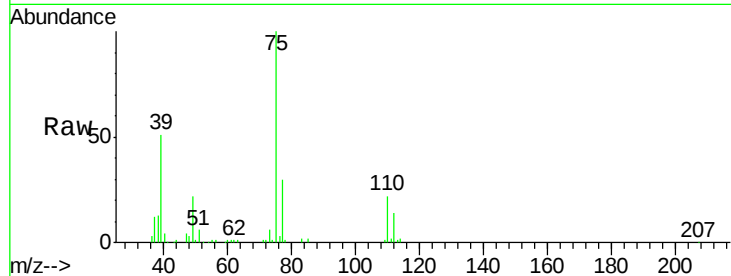
#53
t-1,3-Dichloropropene
Concen: 18.511 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.1	36.1

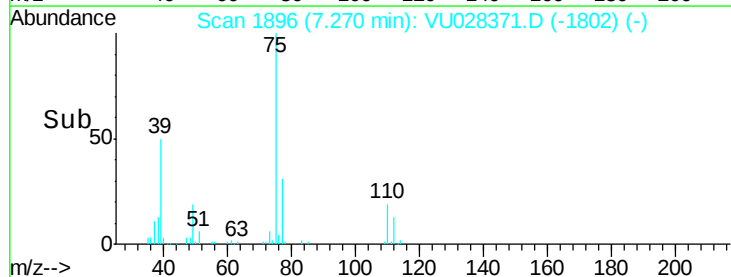
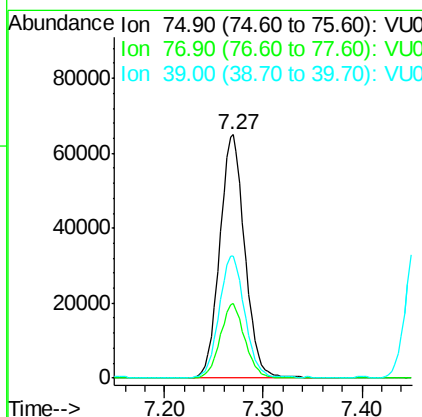
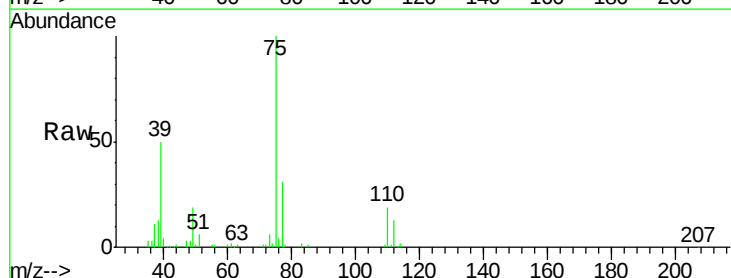
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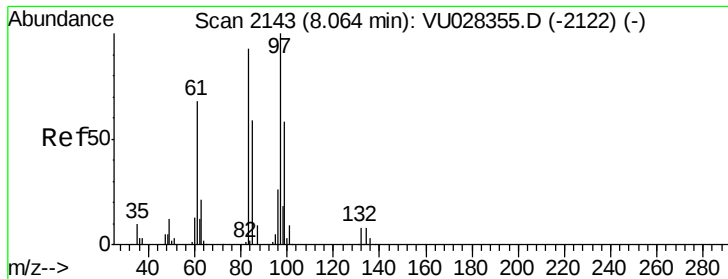
MMDadoda
11/29/2018 1:23:22 PM



#54
cis-1,3-Dichloropropene
Concen: 18.992 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.9	37.3
39	49.8	42.6	64.0





#55

1,1,2-Trichloroethane

Concen: 19.197 ug/l

RT: 8.06 min Scan# 2143

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 97 Resp: 65609

Ion Ratio Lower Upper

97 100

83 88.6 74.3 111.5

85 58.3 47.2 70.8

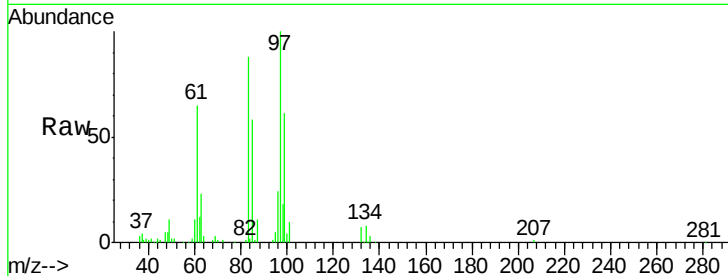
99 60.7 48.9 73.3

Manual Integrations

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11/29/2018 1:23:22 PM

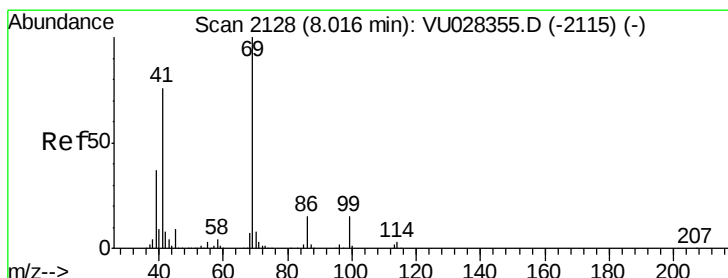
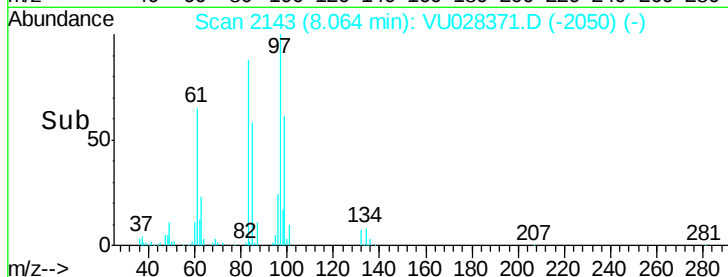
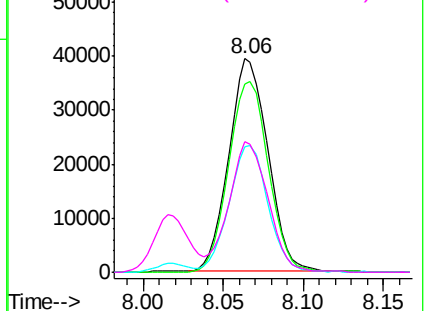


Abundance Ion 96.90 (96.60 to 97.60): VU028371.D (-2050) (-)

Ion 82.90 (82.60 to 83.60): VU028371.D (-2050) (-)

Ion 84.90 (84.60 to 85.60): VU028371.D (-2050) (-)

Ion 98.90 (98.60 to 99.60): VU028371.D (-2050) (-)



#56

Ethyl methacrylate

Concen: 19.186 ug/l

RT: 8.02 min Scan# 2128

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

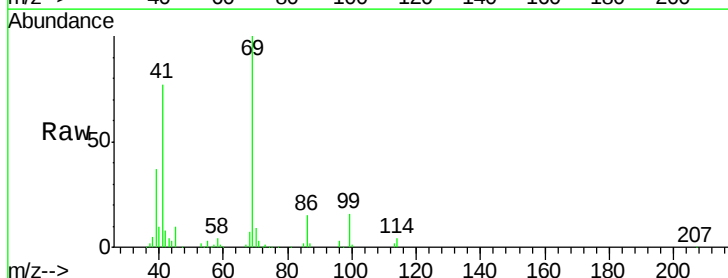
Tgt Ion: 69 Resp: 111550

Ion Ratio Lower Upper

69 100

41 78.2 60.0 90.0

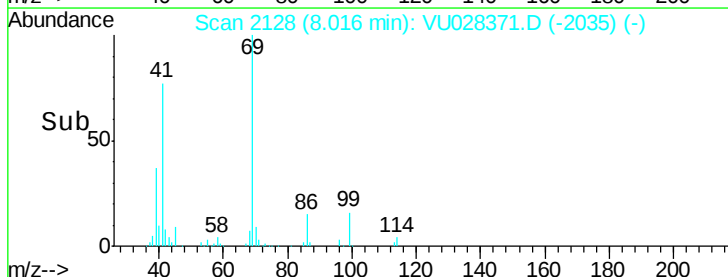
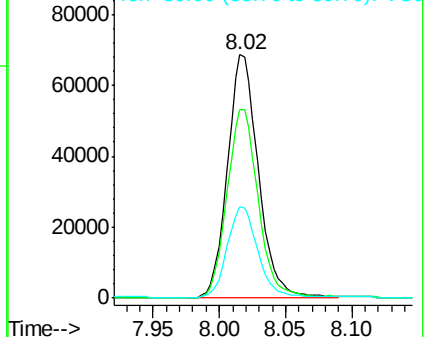
39 36.7 29.0 43.6

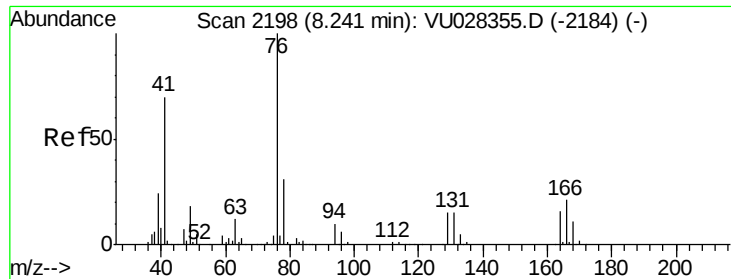


Abundance Ion 69.00 (68.70 to 69.70): VU028371.D (-2035) (-)

Ion 41.00 (40.70 to 41.70): VU028371.D (-2035) (-)

Ion 39.00 (38.70 to 39.70): VU028371.D (-2035) (-)





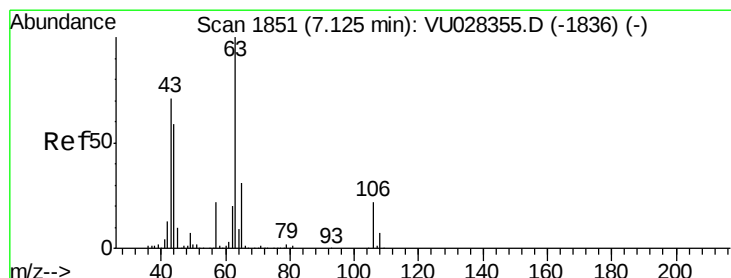
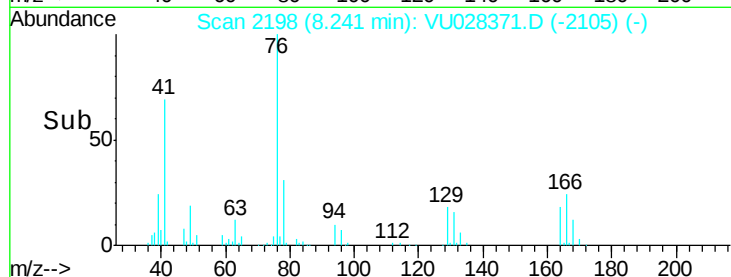
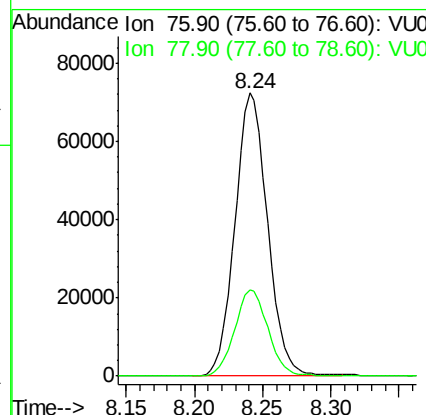
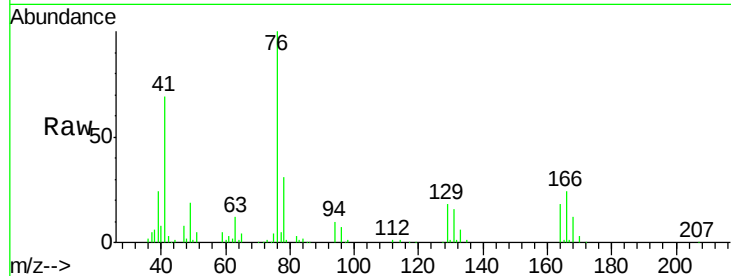
#57
 1,3-Dichloropropane
 Concen: 19.163 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.4	38.0

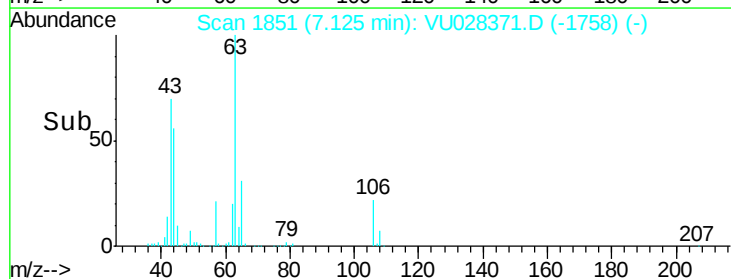
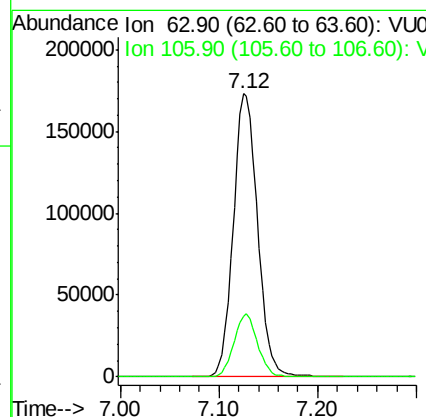
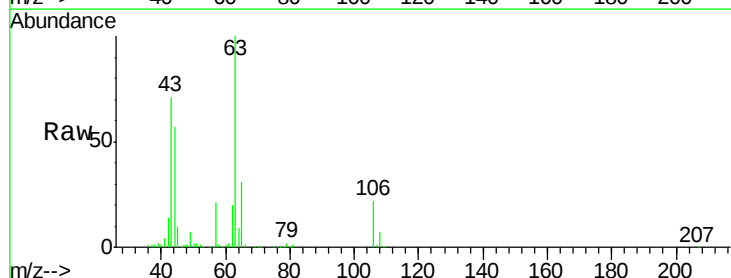
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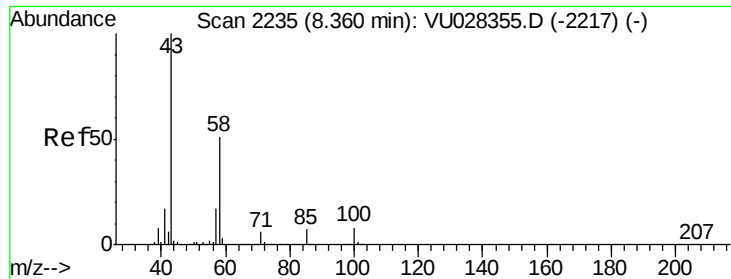
MMDadoda
 11/29/2018 1:23:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.617 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
63	100		
106	21.5	17.3	25.9





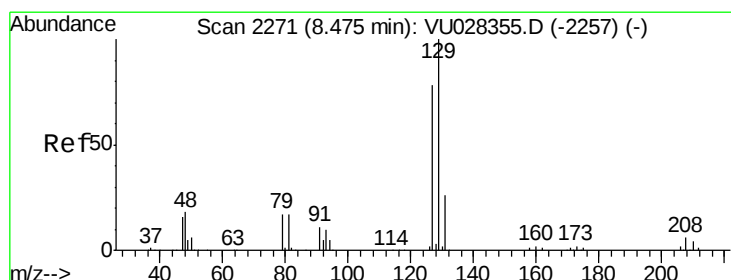
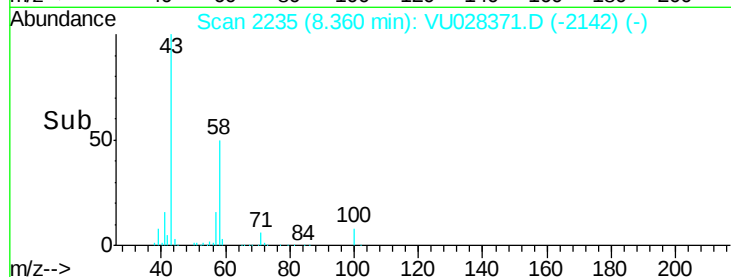
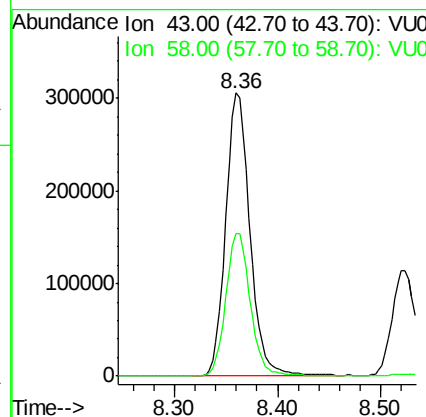
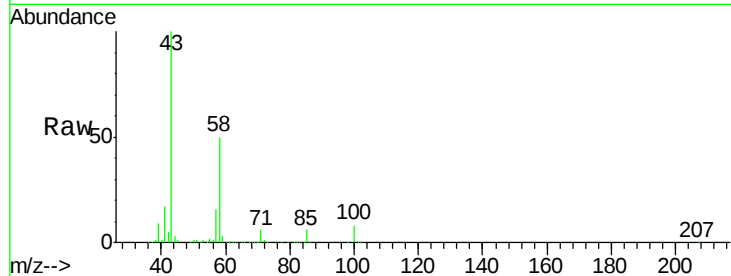
#59
2-Hexanone
Concen: 97.145 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	25.5	76.5

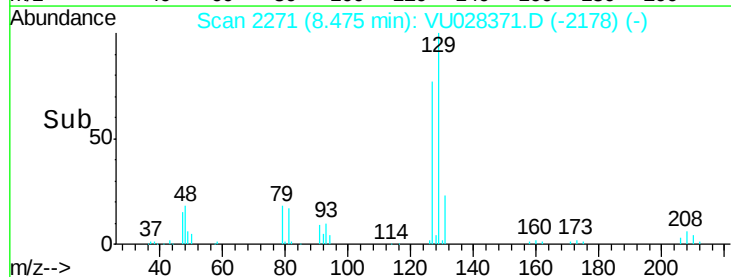
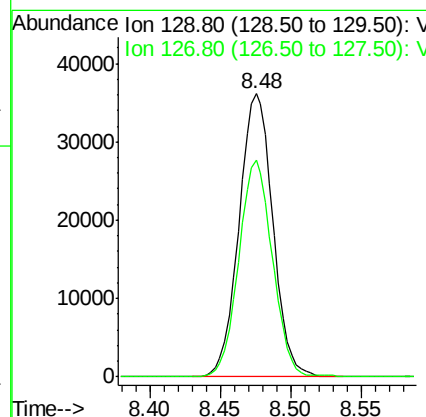
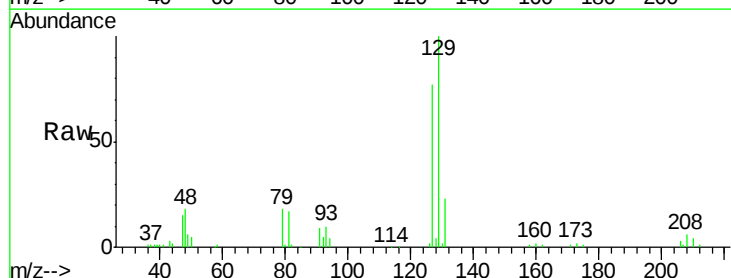
Manual Integrations
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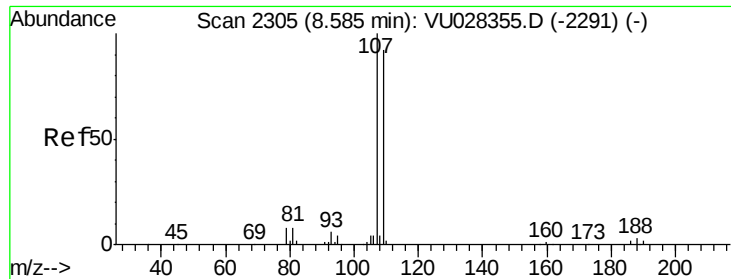
MMDadoda
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#60
Dibromochloromethane
Concen: 18.700 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.9	116.7





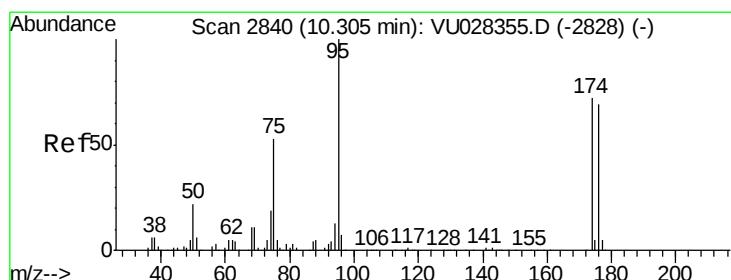
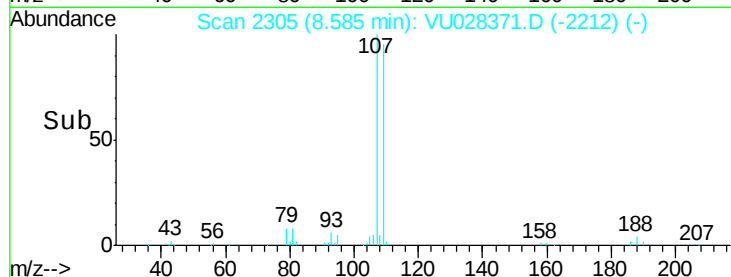
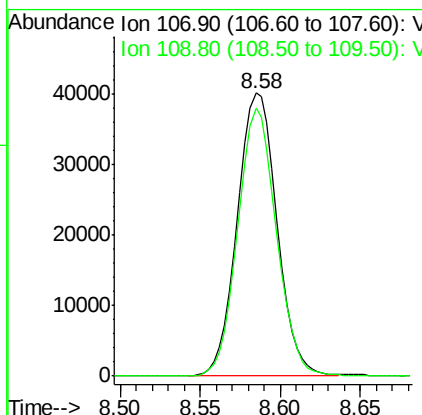
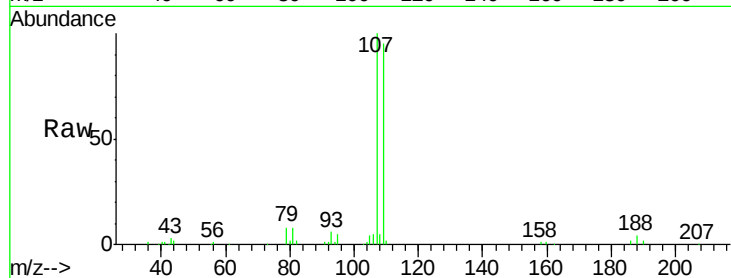
#61
 1,2-Dibromoethane
 Concen: 19.410 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion:107 Resp: 67940
 Ion Ratio Lower Upper
 107 100
 109 92.1 73.2 109.8

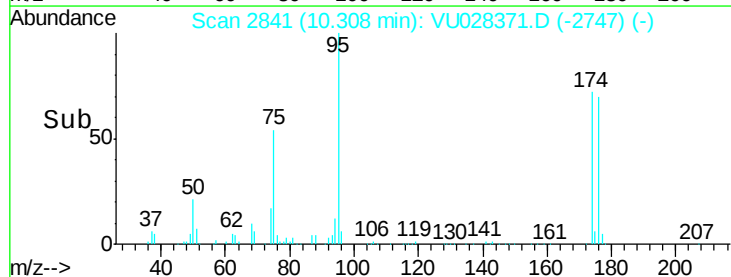
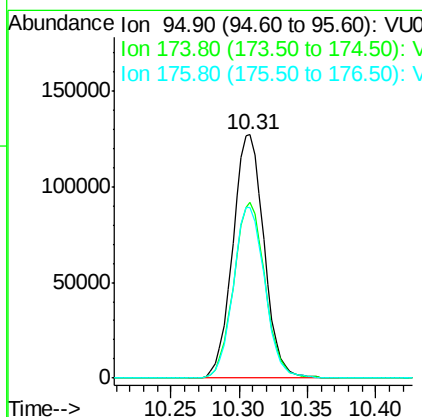
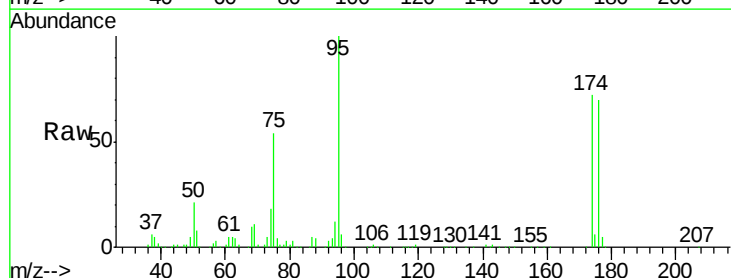
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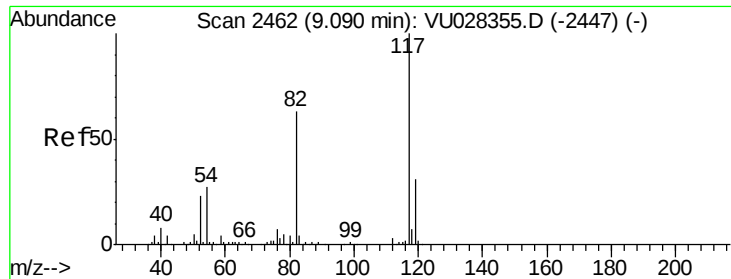
MMDadoda
 11/29/2018 1:23:22 PM



#62
 4-Bromofluorobenzene
 Concen: 48.041 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion: 95 Resp: 202609
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 145.4
 176 70.8 0.0 140.8





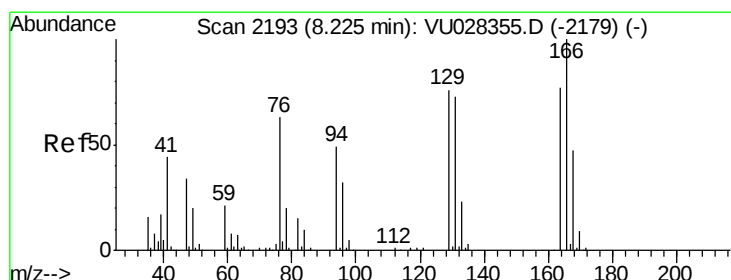
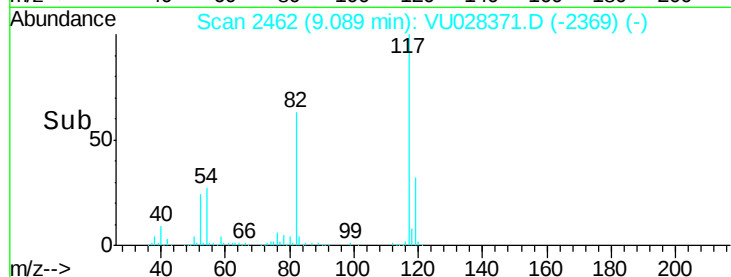
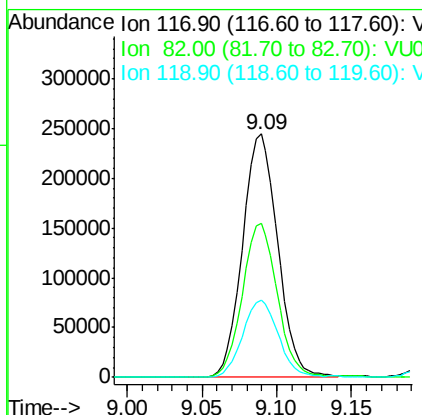
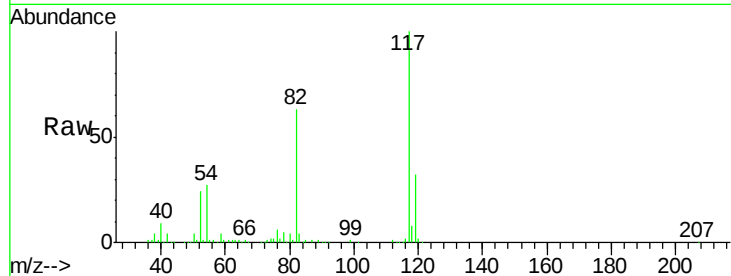
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	401253		
82	63.1	50.3	75.5	
119	31.9	24.8	37.2	

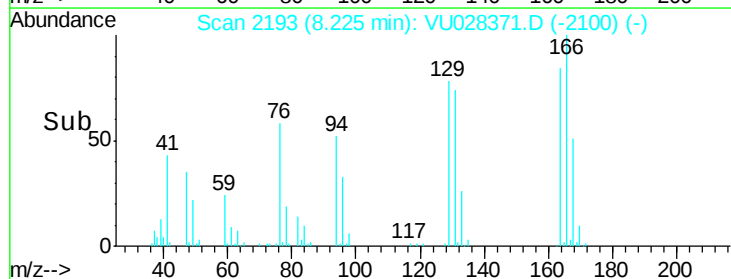
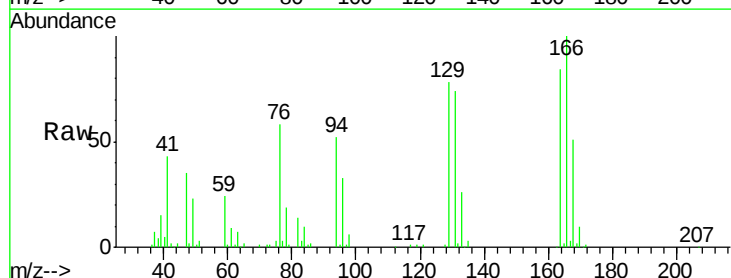
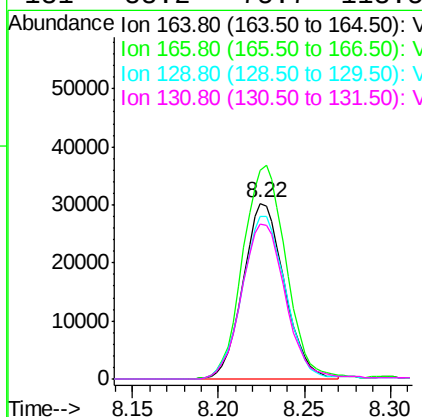
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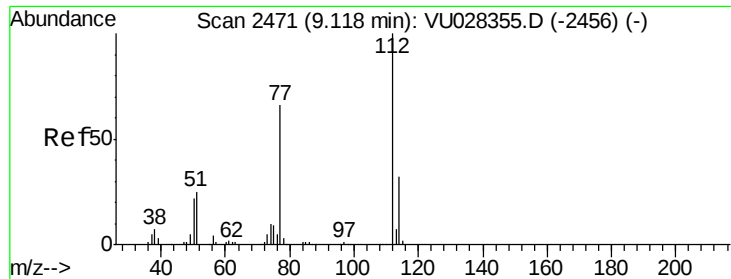
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#64
Tetrachloroethene
Concen: 19.171 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50600		
166	118.4	104.0	156.0	
129	92.6	79.2	118.8	
131	88.2	75.7	113.5	





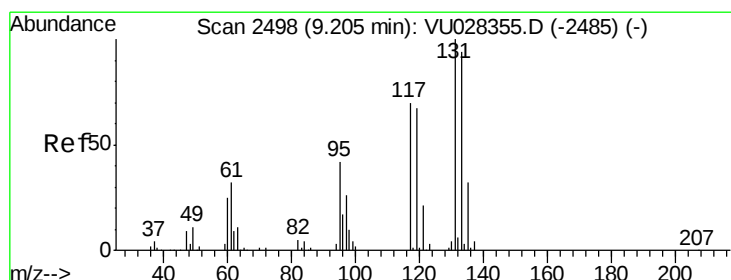
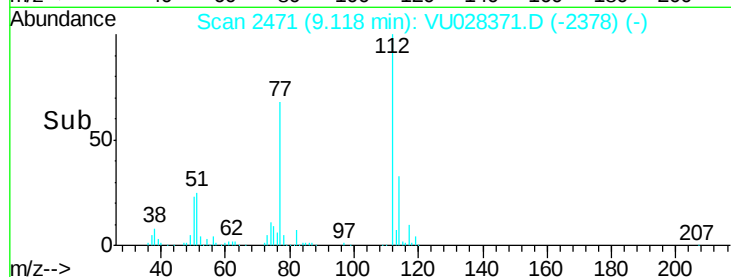
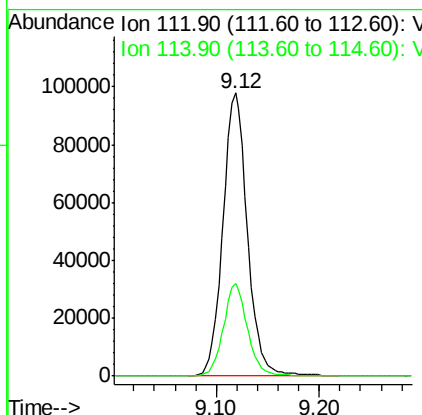
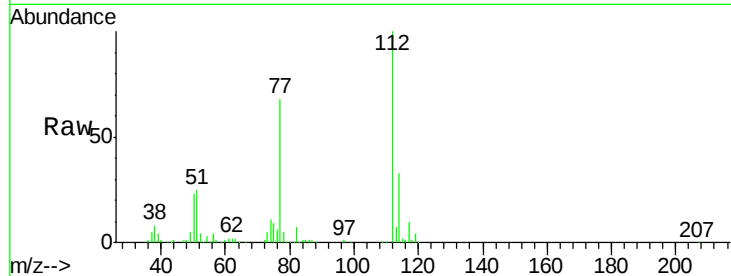
#65
Chlorobenzene
Concen: 19.413 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion:112 Resp: 161747
Ion Ratio Lower Upper
112 100
114 32.6 25.7 38.5

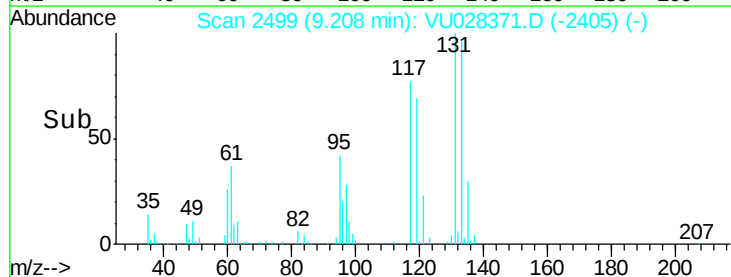
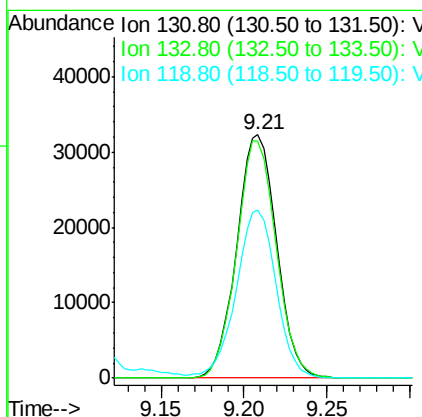
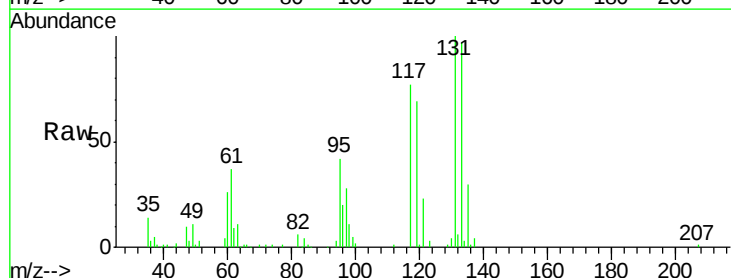
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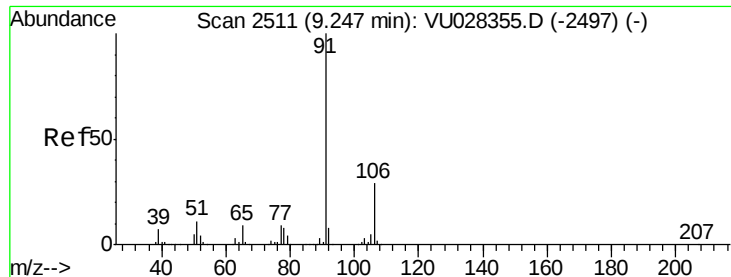
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.924 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion:131 Resp: 54044
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 69.4 34.1 102.2





#67

Ethyl Benzene

Concen: 19.308 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 91 Resp: 302979

Ion Ratio Lower Upper

91 100

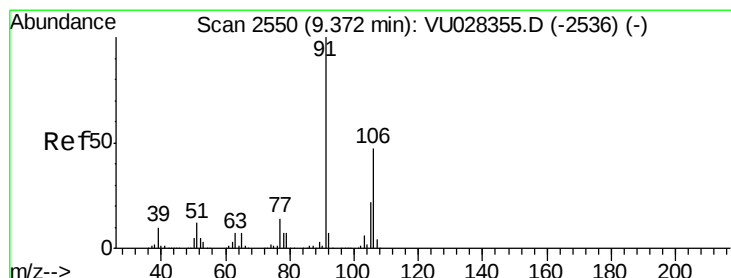
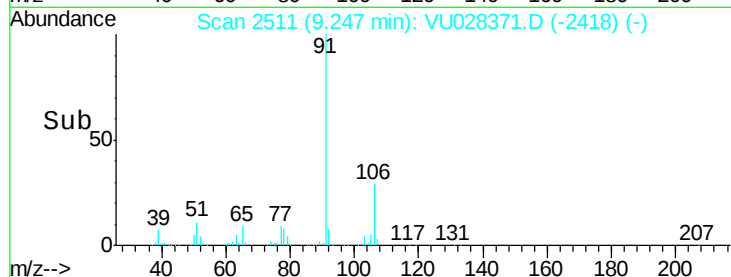
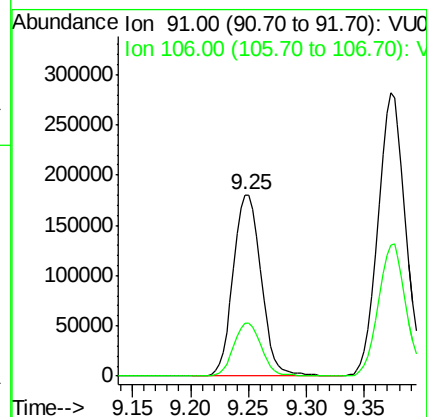
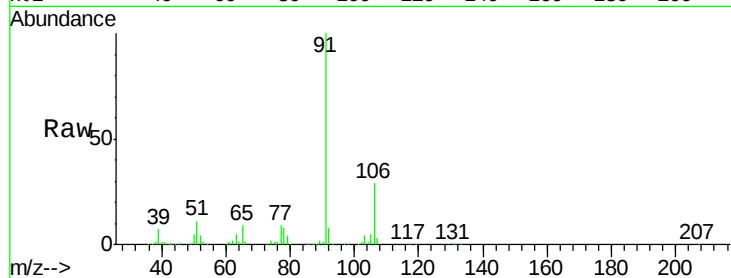
106 28.9 23.3 34.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.477 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028371.D

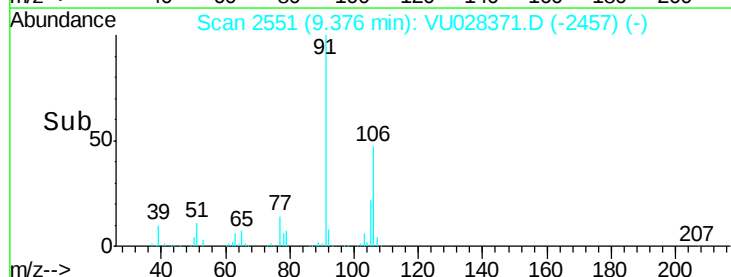
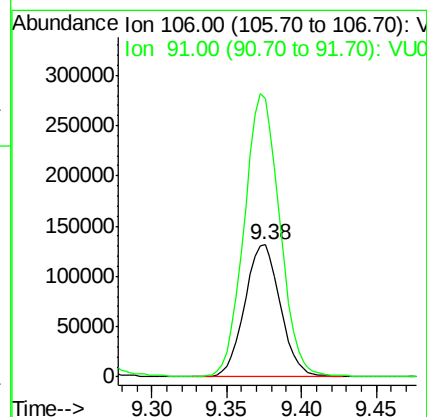
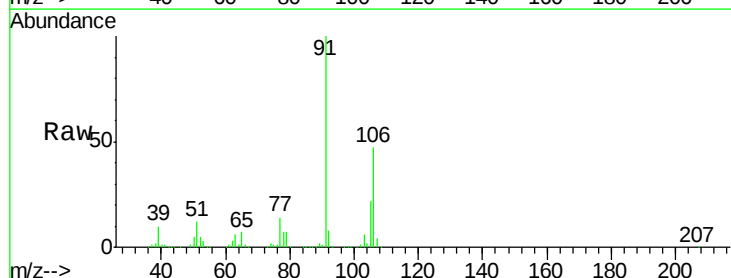
Acq: 28 Nov 2018 17:20

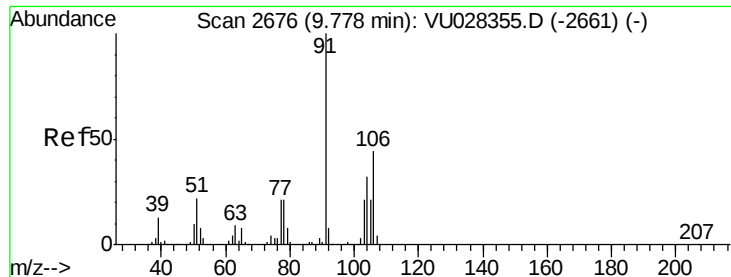
Tgt Ion: 106 Resp: 217323

Ion Ratio Lower Upper

106 100

91 213.4 171.0 256.6





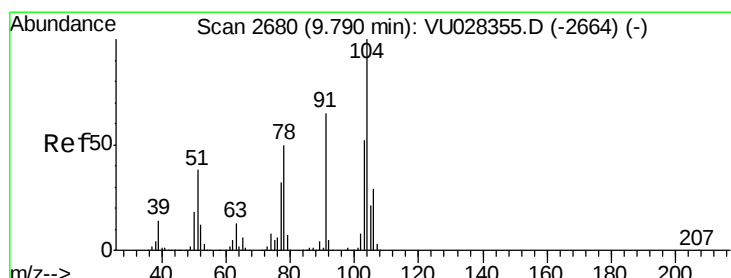
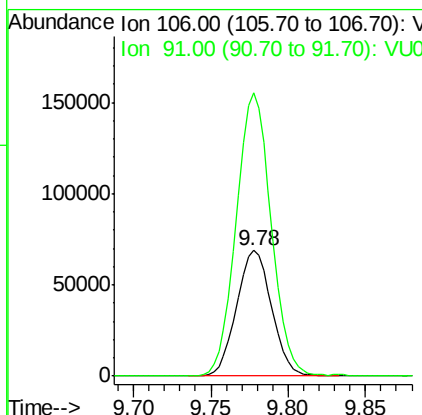
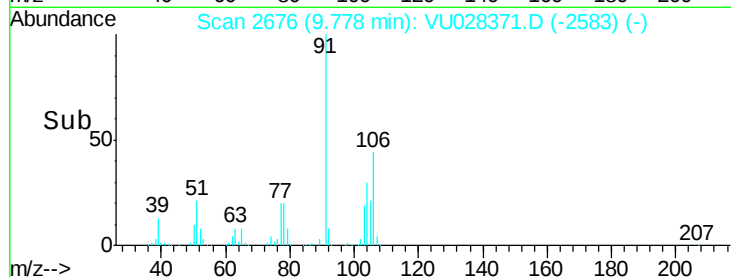
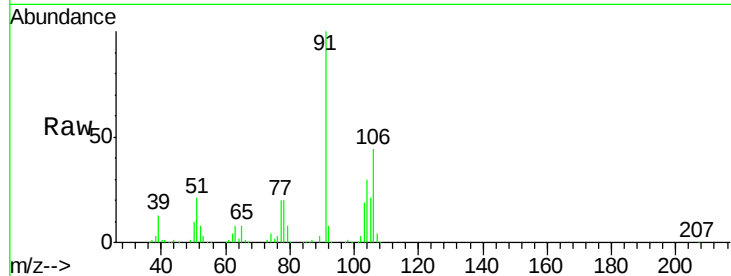
#69
o-Xylene
Concen: 19.355 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.3	112.7	338.0

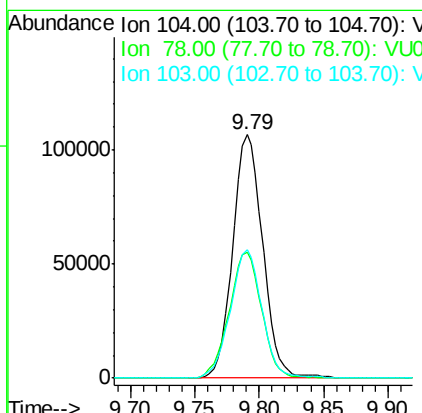
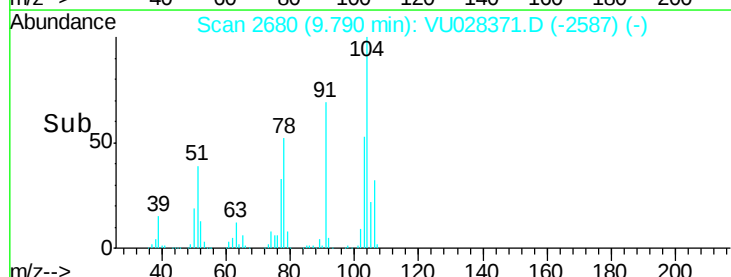
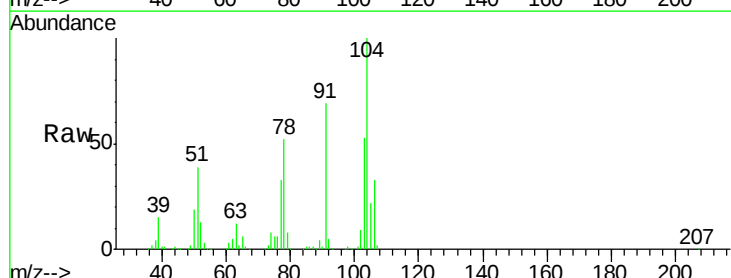
Manual Integrations
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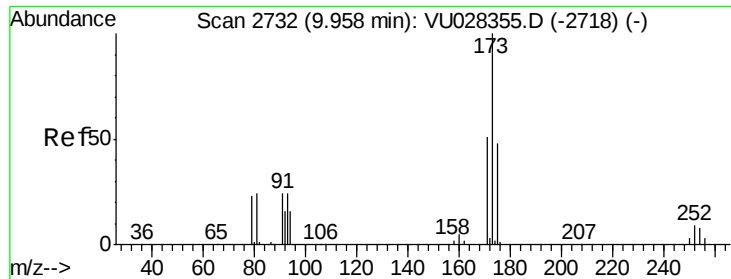
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#70
Styrene
Concen: 19.042 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.2	43.3	64.9
103	55.9	44.8	67.2





#71

Bromoform

Concen: 18.262 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

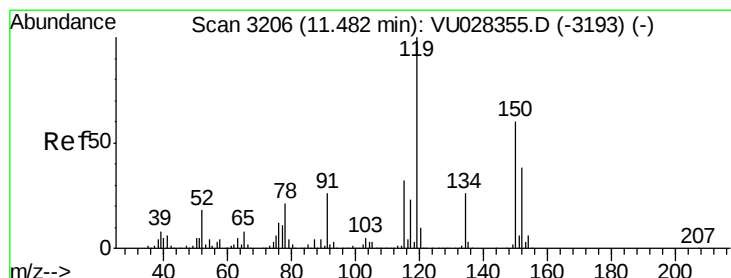
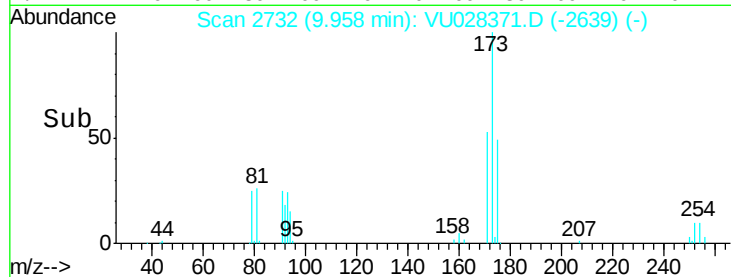
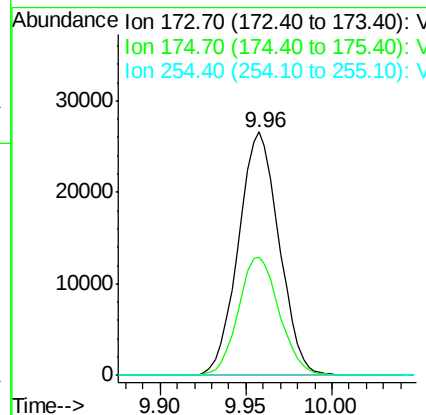
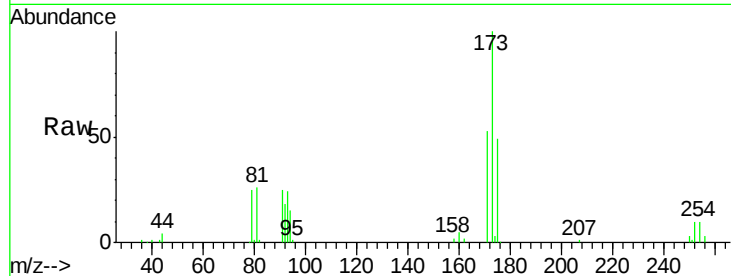
ClientSampleId :

VU1128WBSD01

Tot Ion:	173	Resp:	43837
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

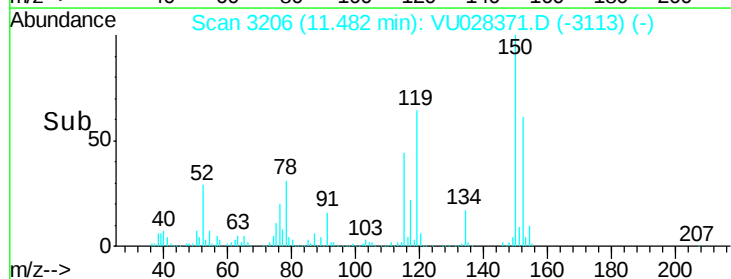
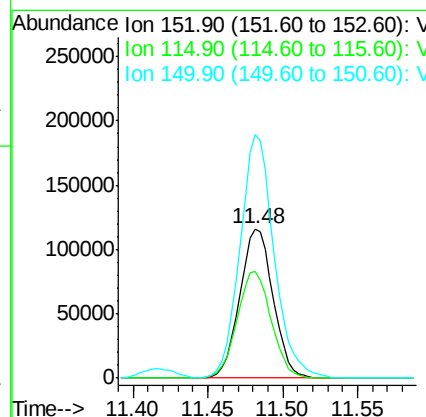
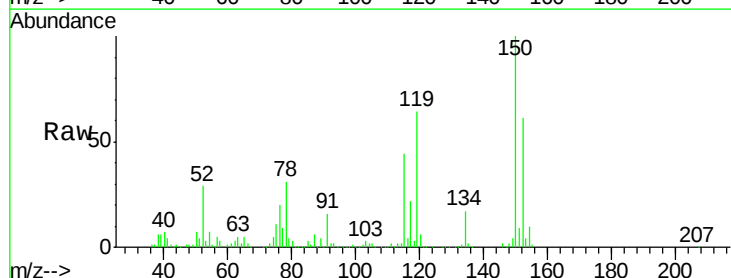
RT: 11.48 min Scan# 3206

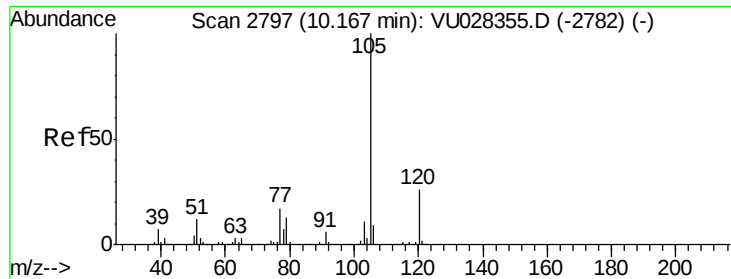
Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	152	Resp:	180076
Ion Ratio	Lower	Upper	
152	100		
115	73.1	45.0	134.8
150	166.4	0.0	349.2





#73

Isopropylbenzene

Concen: 20.600 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion:105 Resp: 288511

Ion Ratio Lower Upper

105 100

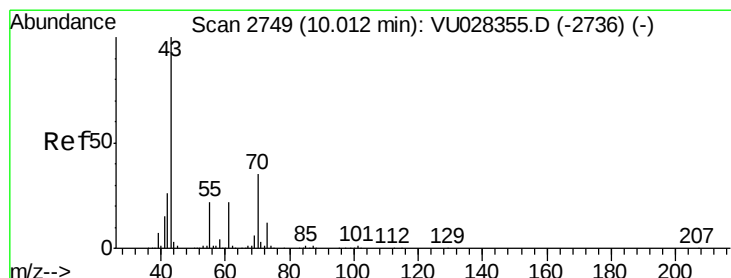
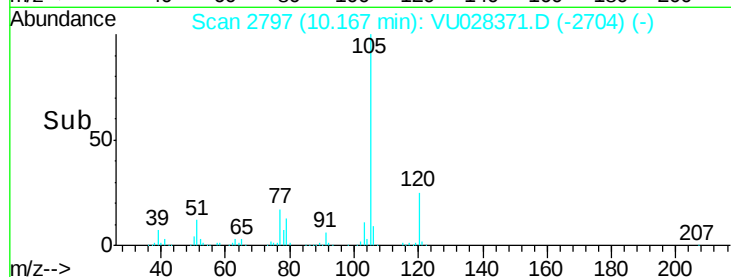
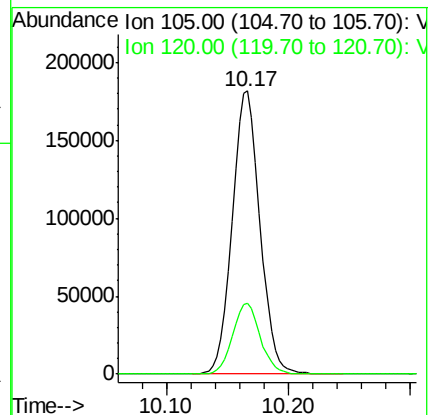
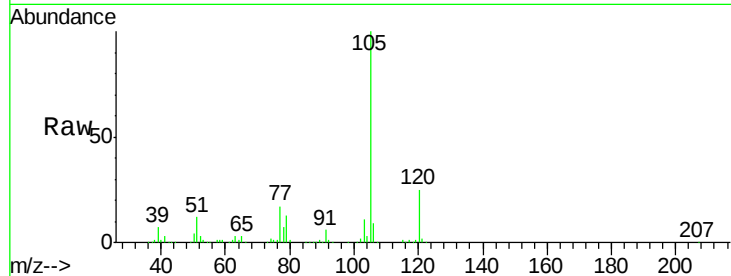
120 25.0 12.8 38.3

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#74

N-ethyl acetate

Concen: 20.302 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion: 43 Resp: 178153

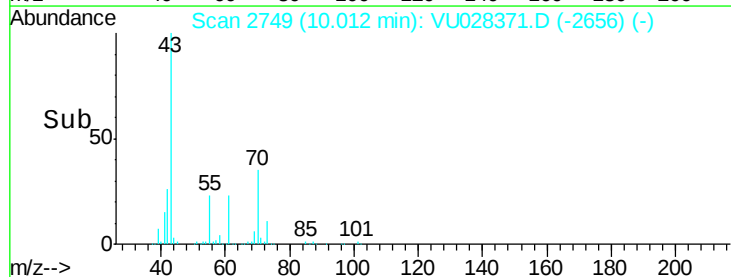
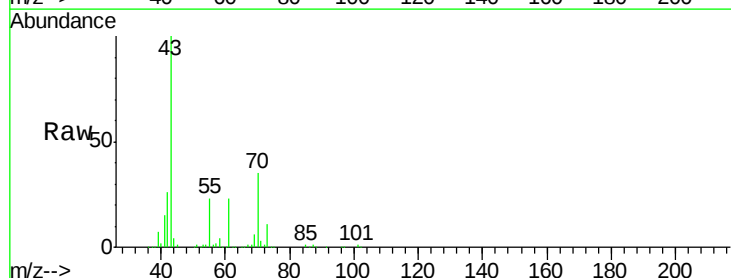
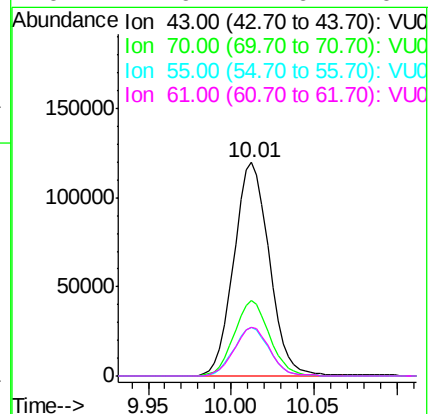
Ion Ratio Lower Upper

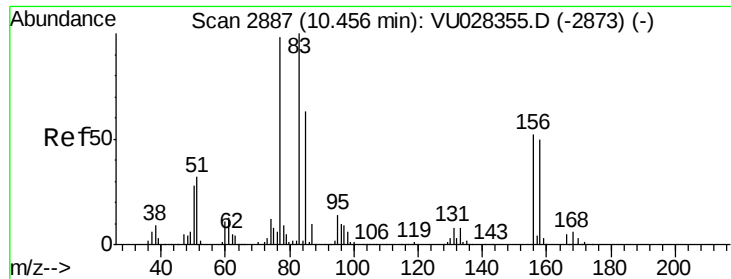
43 100

70 35.3 28.4 42.6

55 22.9 18.0 27.0

61 22.9 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.321 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 83 Resp: 117034

Ion Ratio Lower Upper

83 100

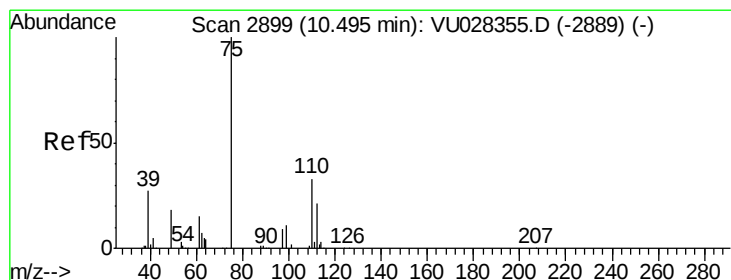
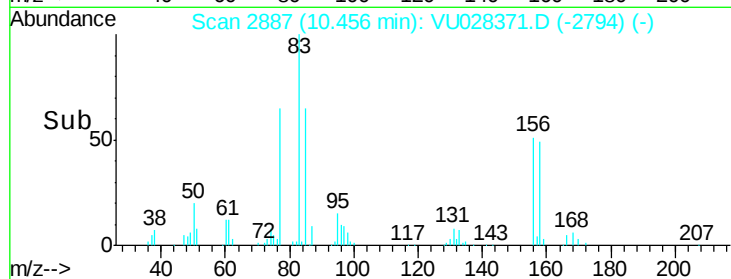
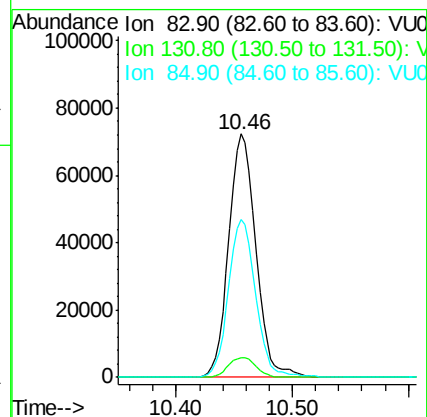
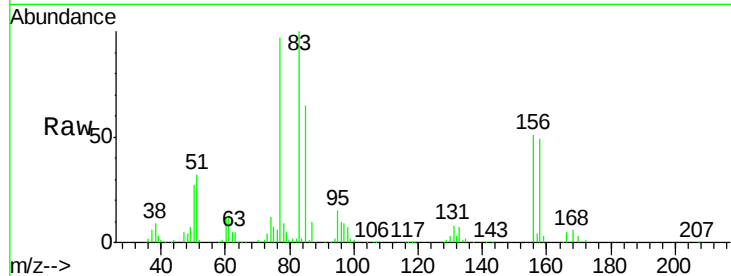
131 8.3 4.0 12.2

85 65.0 31.8 95.4

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#76

1,2,3-Trichloropropane

Concen: 20.911 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VU028371.D

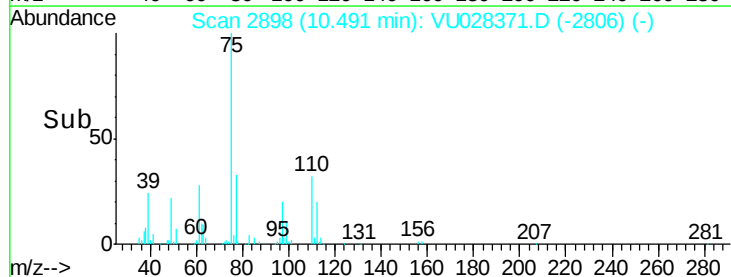
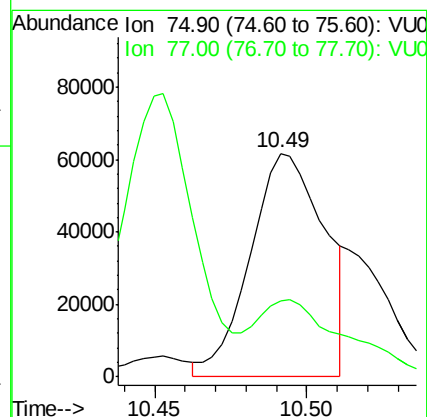
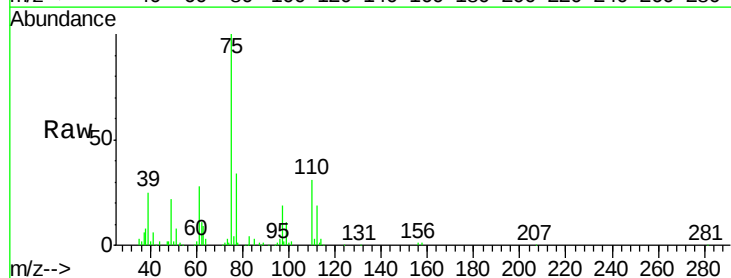
Acq: 28 Nov 2018 17:20

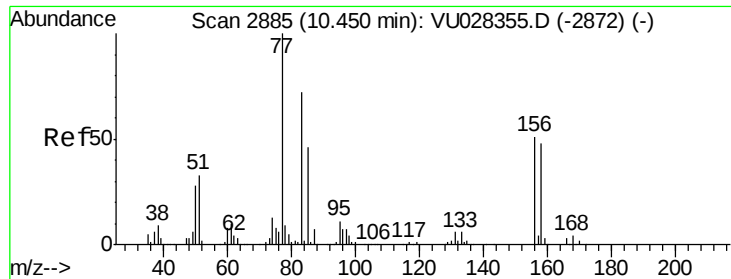
Tgt Ion: 75 Resp: 104423

Ion Ratio Lower Upper

75 100

77 42.1 22.4 67.0





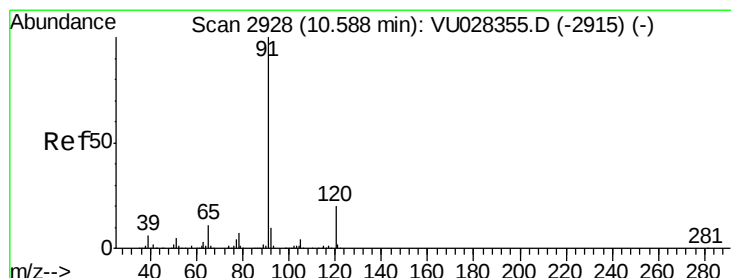
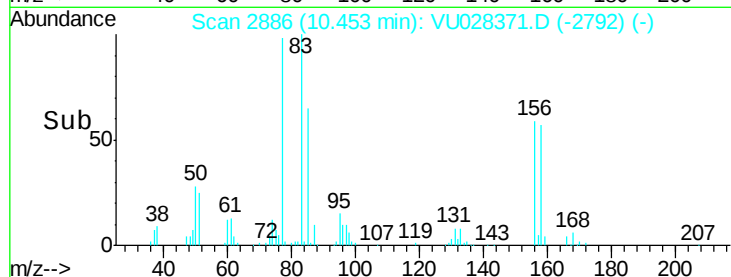
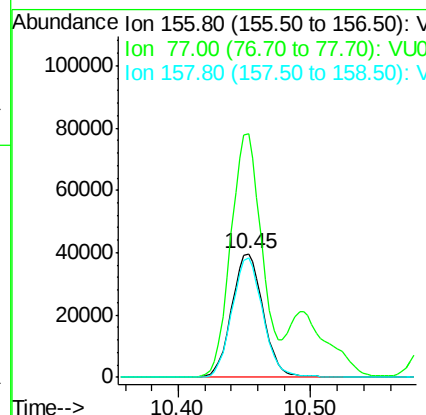
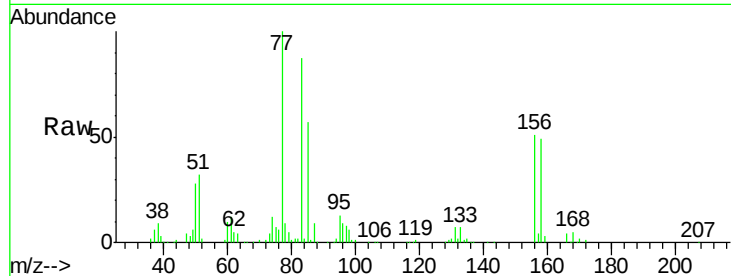
#77
Bromobenzene
Concen: 19.791 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	197.1	97.0	290.9
158	94.5	46.8	140.4

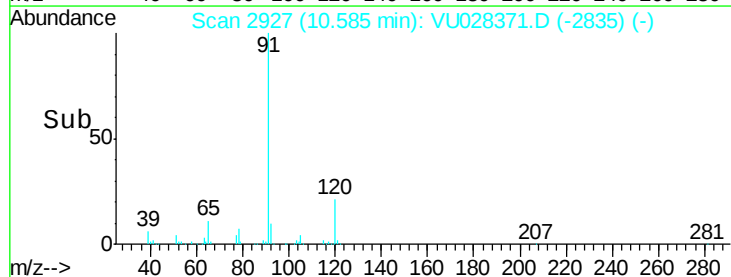
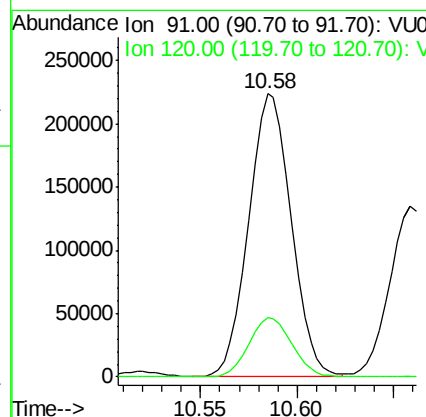
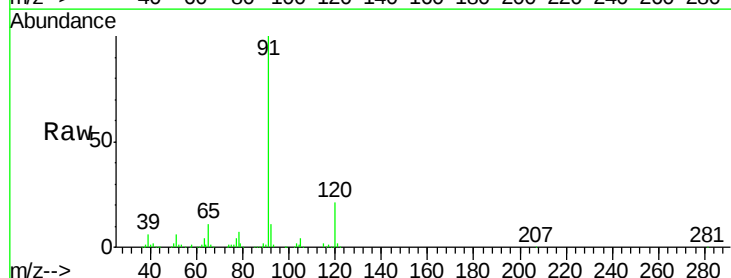
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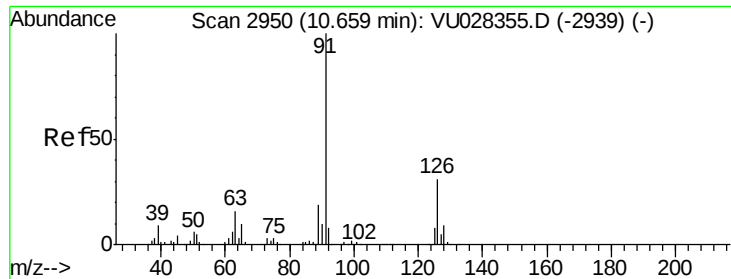
MMDadoda
11/29/2018 1:23:22 PM



#78
n-propylbenzene
Concen: 19.817 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.3	30.8





#79

2-Chlorotoluene

Concen: 20.512 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

ClientSampleId :

VU1128WBSD01

Tot Ion: 91 Resp: 208918

Ion Ratio Lower Upper

91 100

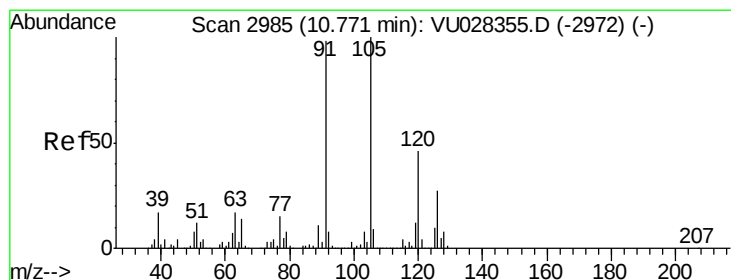
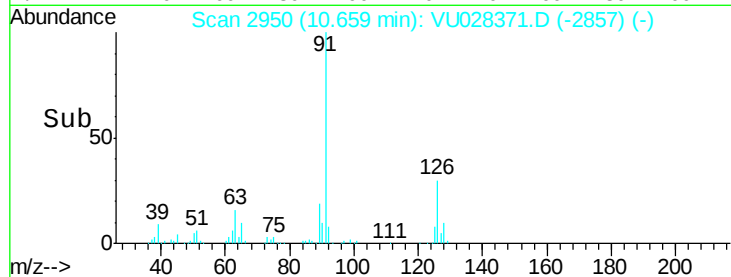
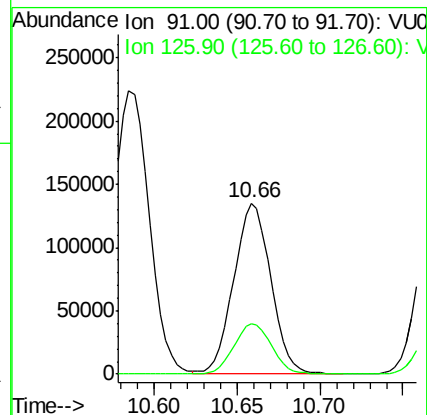
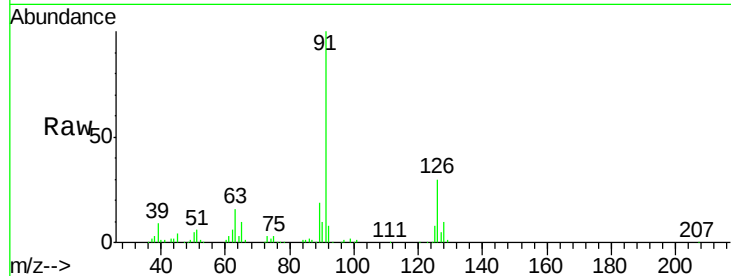
126 30.3 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.450 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028371.D

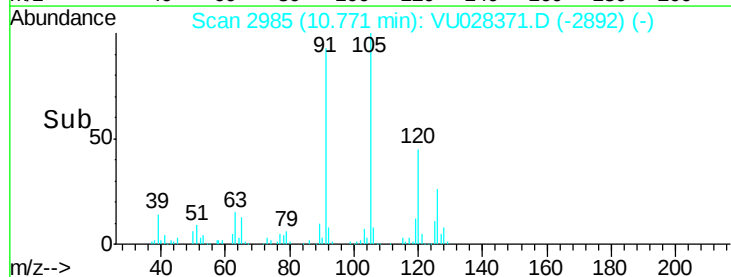
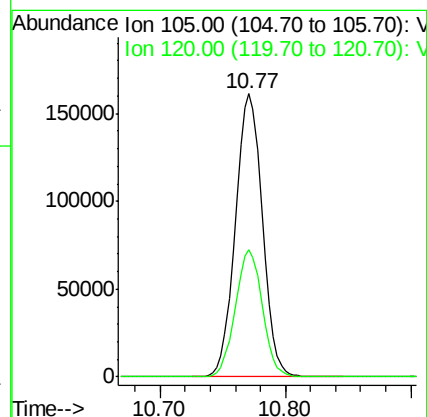
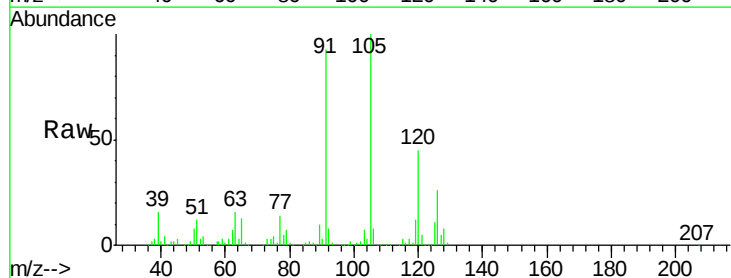
Acq: 28 Nov 2018 17:20

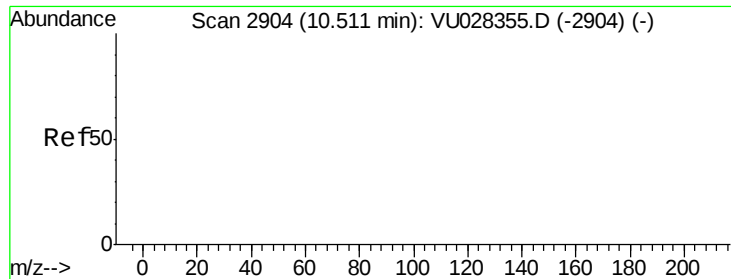
Tgt Ion: 105 Resp: 241357

Ion Ratio Lower Upper

105 100

120 45.0 23.4 70.0





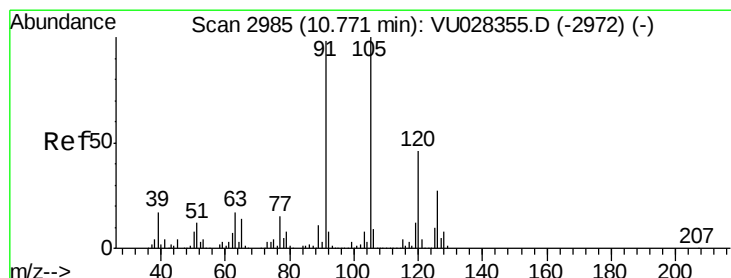
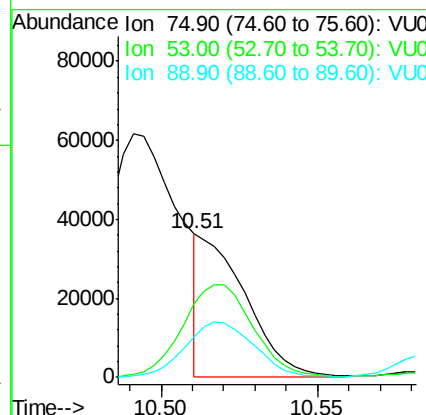
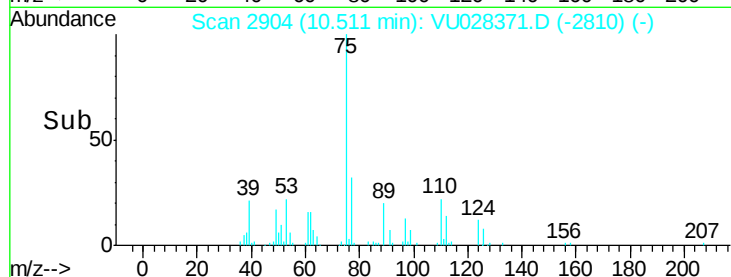
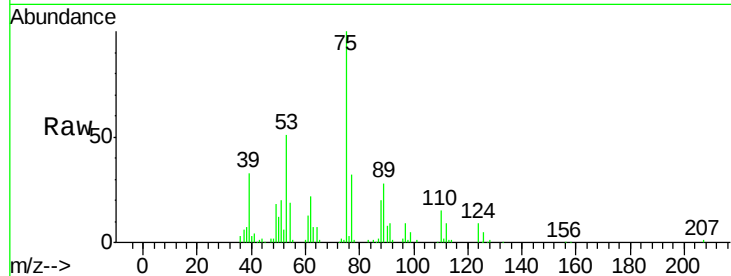
#81
trans-1,4-Dichloro-2-butene
Concen: 19.495 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

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

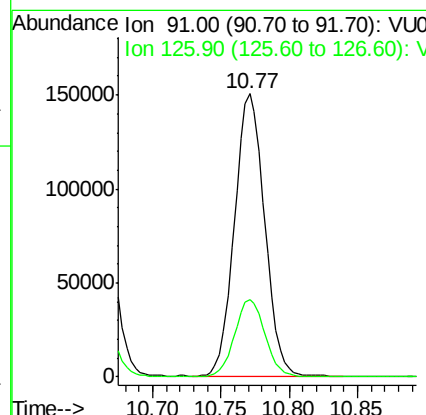
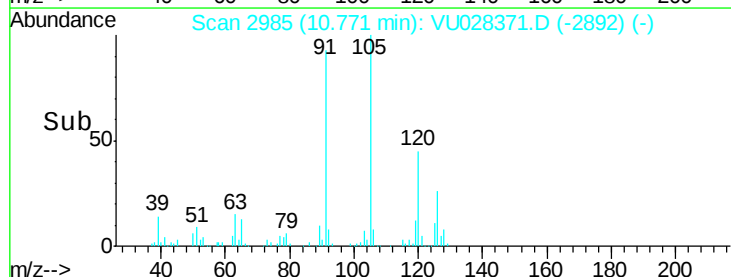
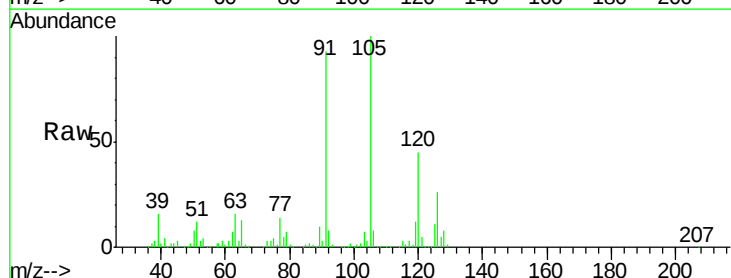
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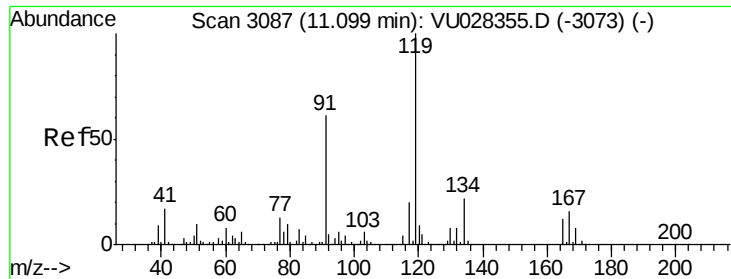
MMDadoda
11/29/2018 1:23:22 PM



#82
4-Chlorotoluene
Concen: 19.688 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.6	13.9	41.6





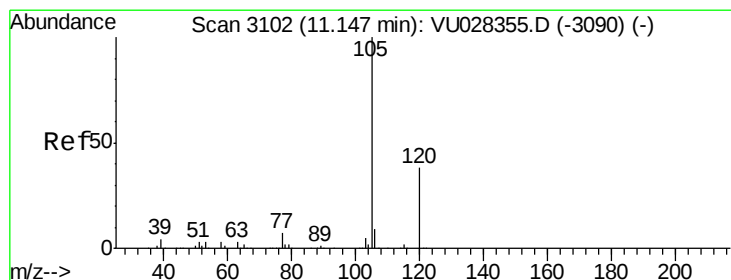
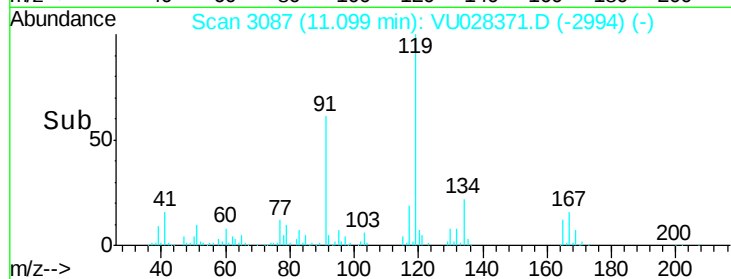
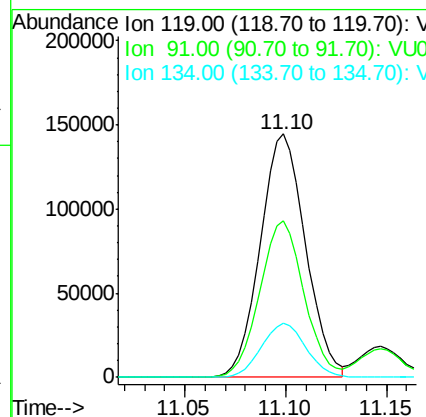
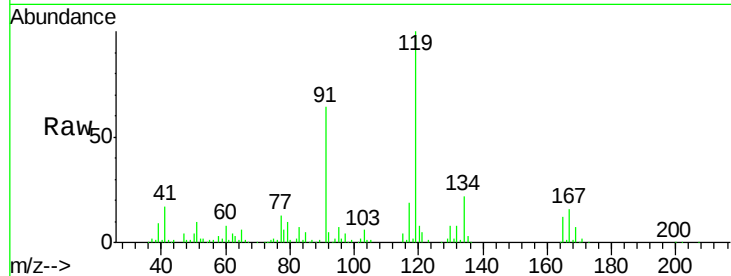
#83
tert-Butylbenzene
Concen: 20.545 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226037		
91	63.2		30.8	92.4
134	22.0		11.1	33.1

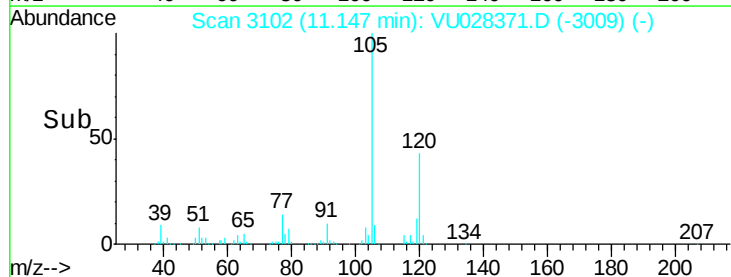
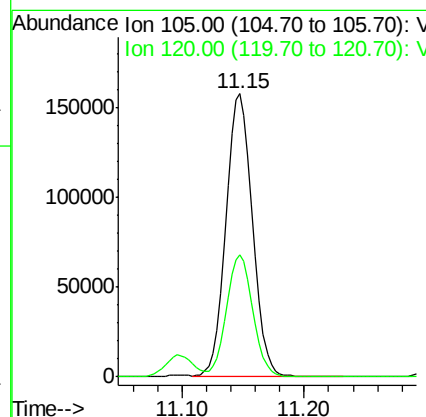
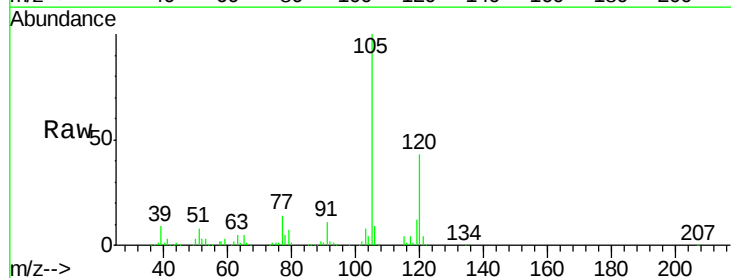
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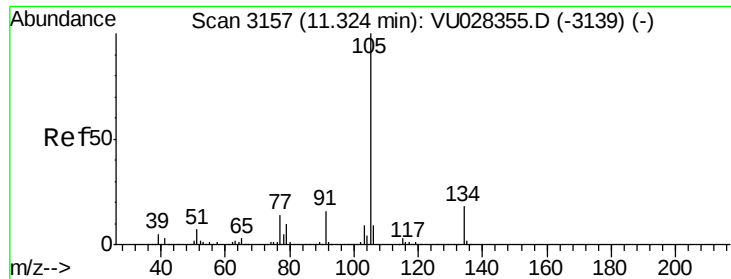
MMDadoda
11/29/2018 1:23:22 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.276 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242386		
120	42.8		21.4	64.3





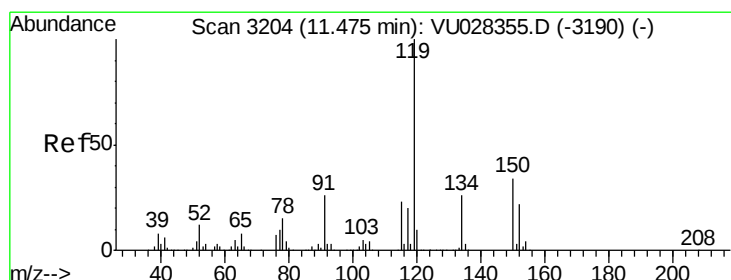
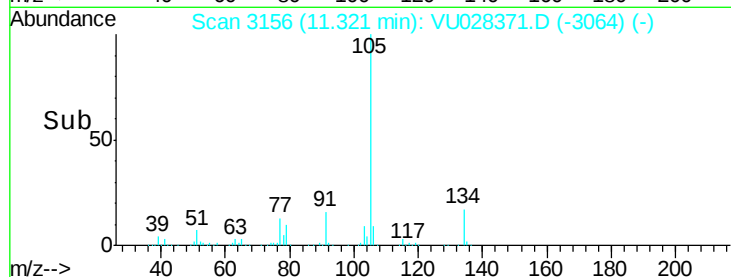
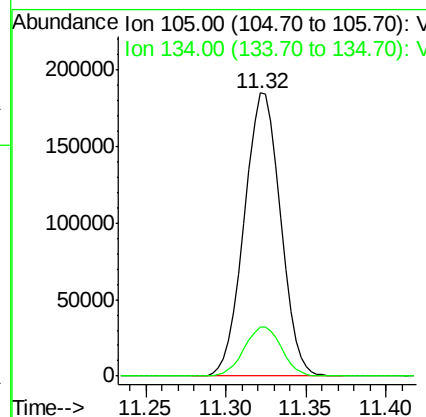
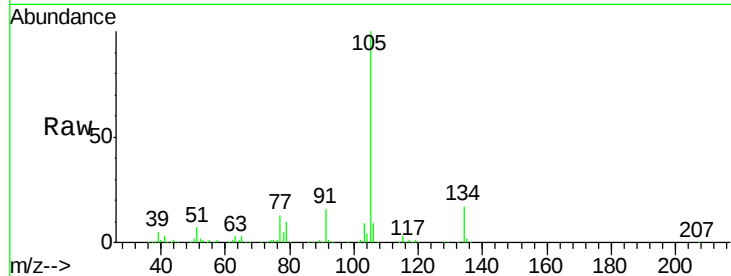
#85
 sec-Butylbenzene
 Concen: 20.080 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.9	9.3	27.7

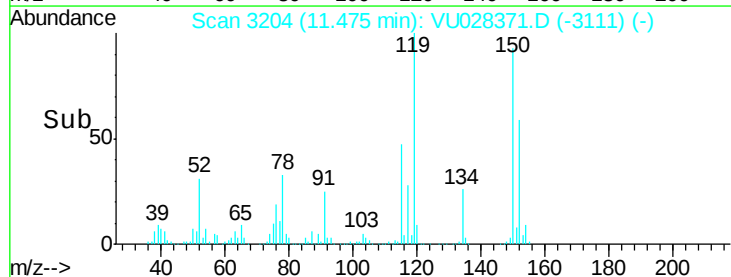
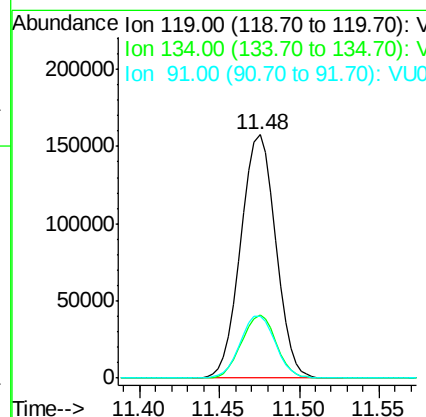
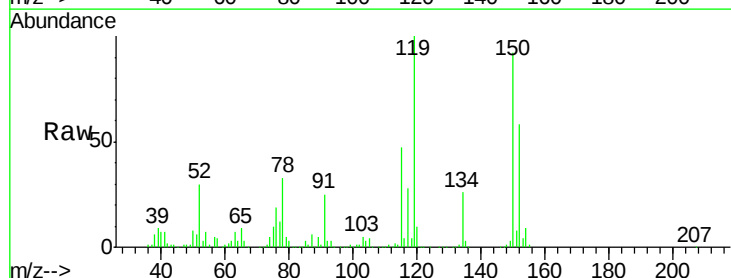
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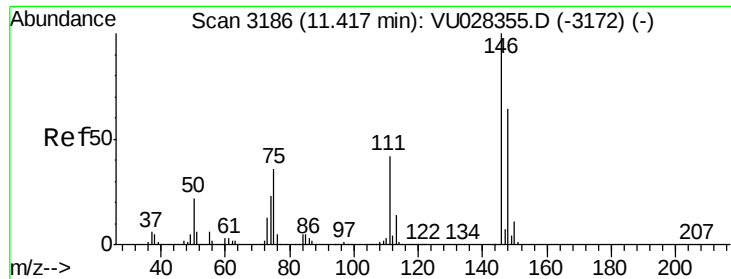
MMDadoda
 11/29/2018 1:23:22 PM



#86
 p-Isopropyltoluene
 Concen: 19.852 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.3
91	26.2	13.1	39.1





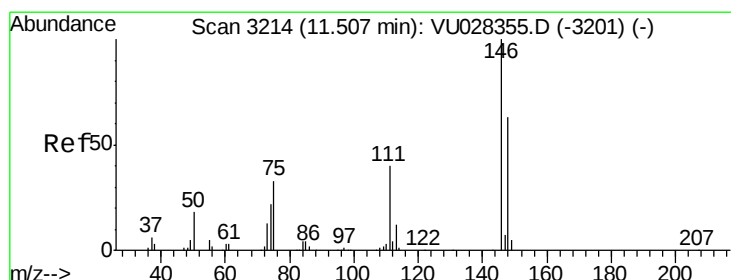
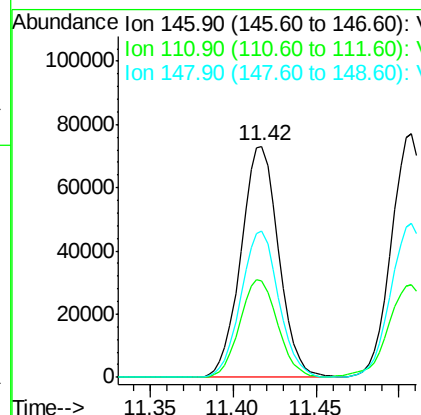
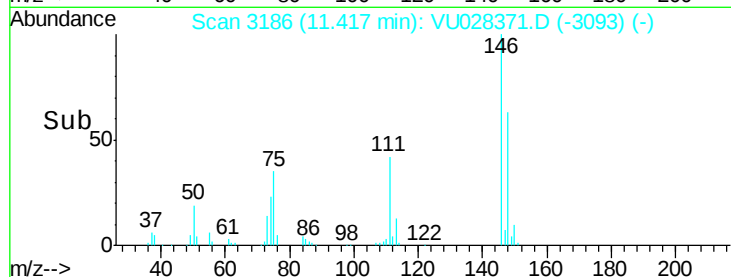
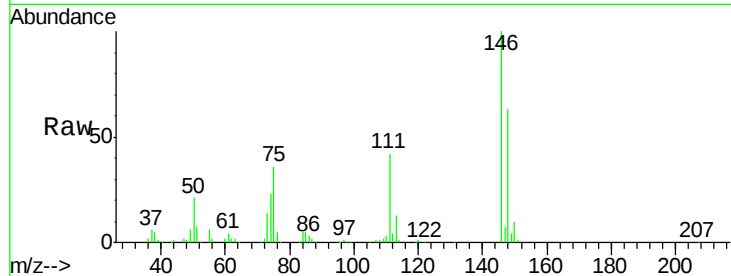
#87
 1,3-Dichlorobenzene
 Concen: 19.202 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.8	62.4
148	63.4	31.8	95.3

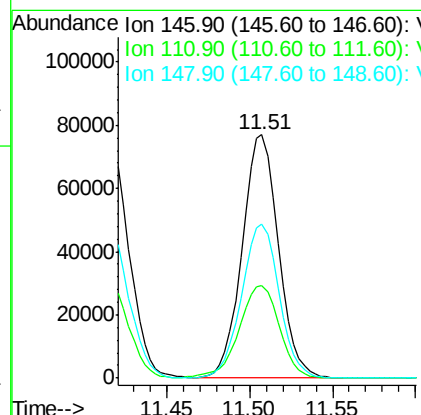
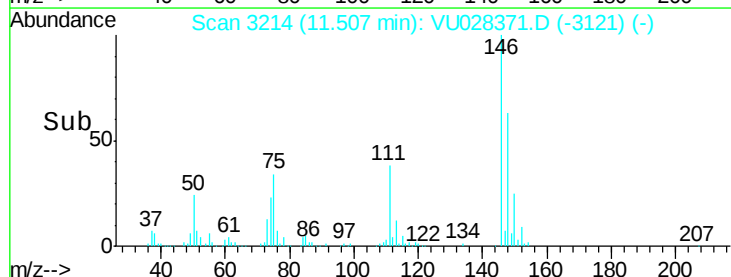
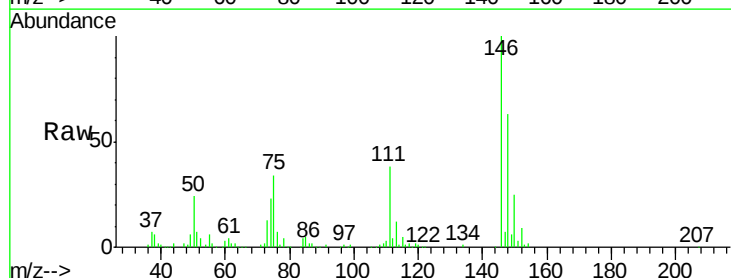
Manual Integrations
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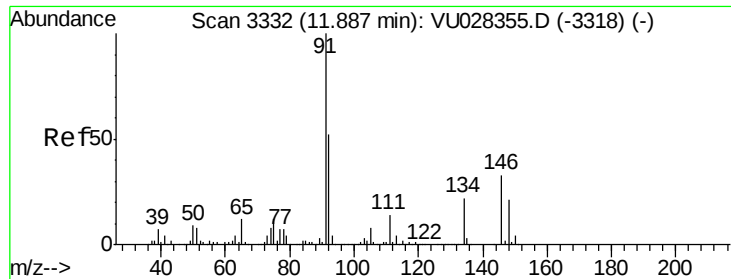
MMDadoda
 11/29/2018 1:23:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.252 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.6	61.9
148	66.2	31.1	93.5





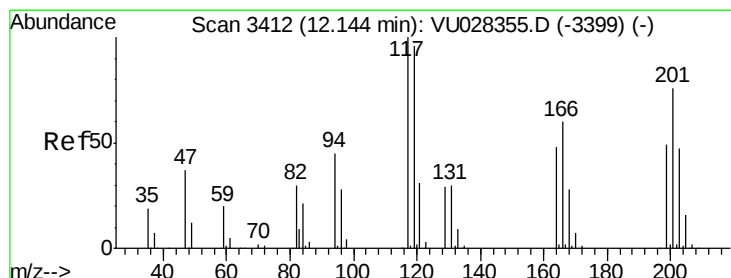
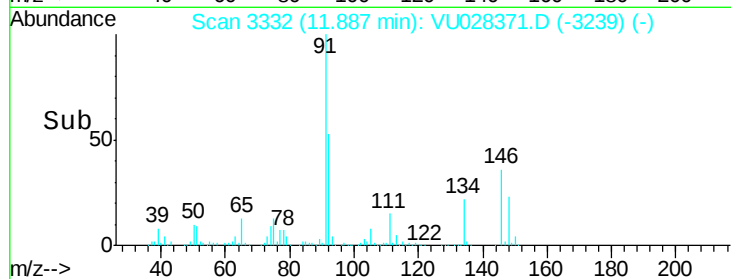
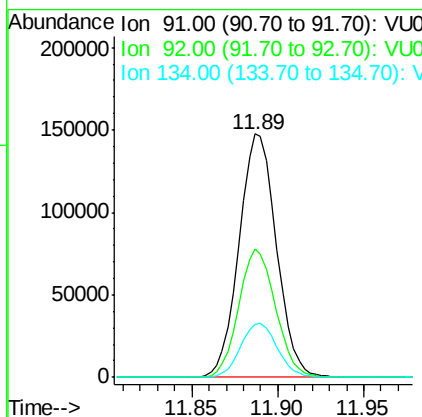
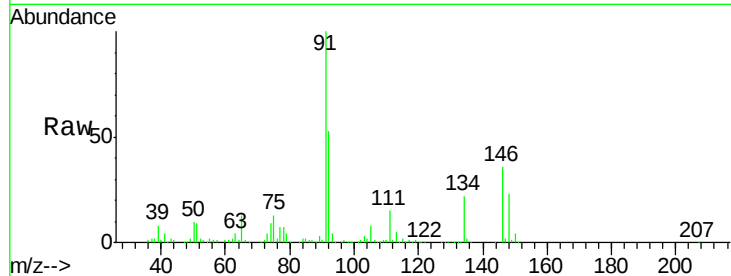
#89
n-Butylbenzene
Concen: 19.268 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Instrument :
MSVOA_U
ClientSampleId :
VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.5
134	21.9	11.1	33.1

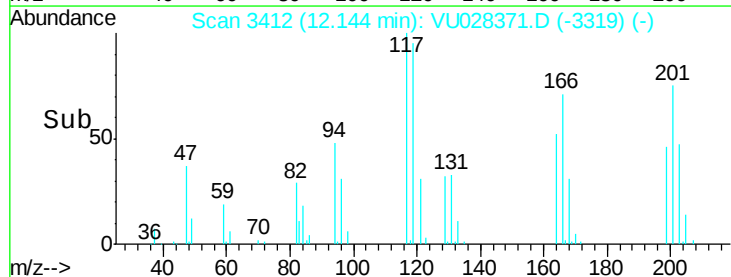
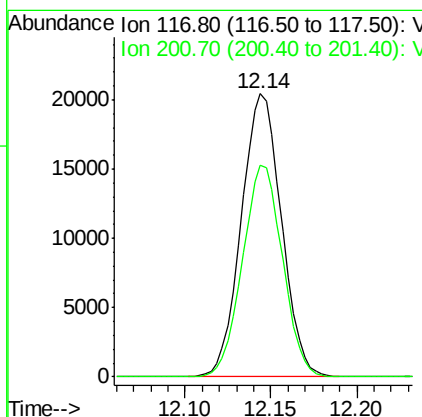
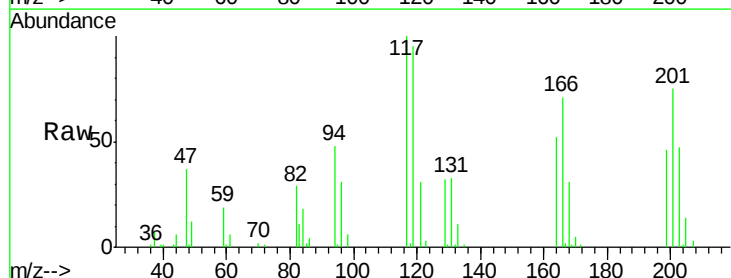
Manual Integrations
APPROVED

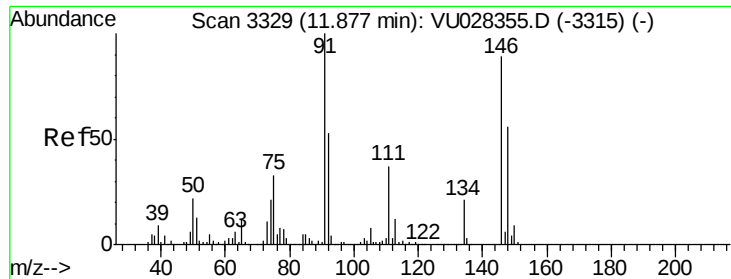
MMDadoda
11/29/2018 1:23:22 PM



#90
Hexachloroethane
Concen: 18.088 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028371.D
Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.7	113.1





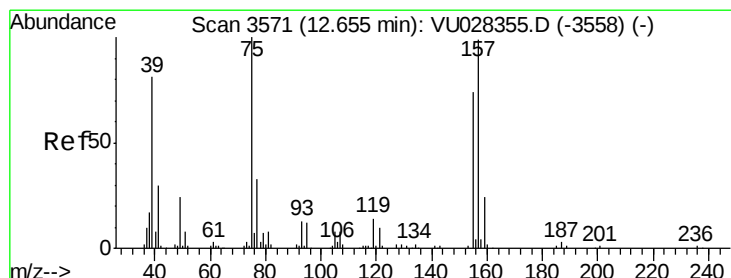
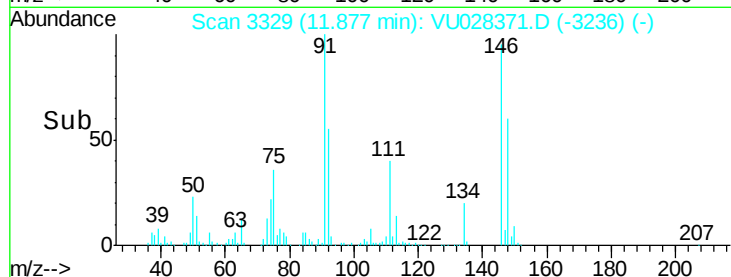
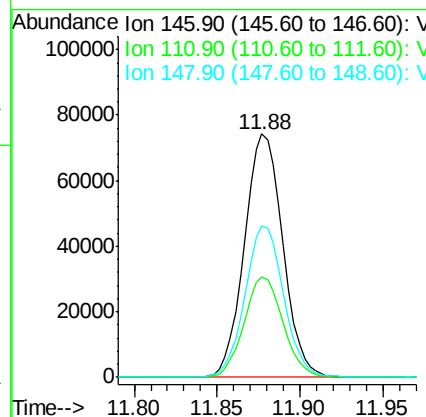
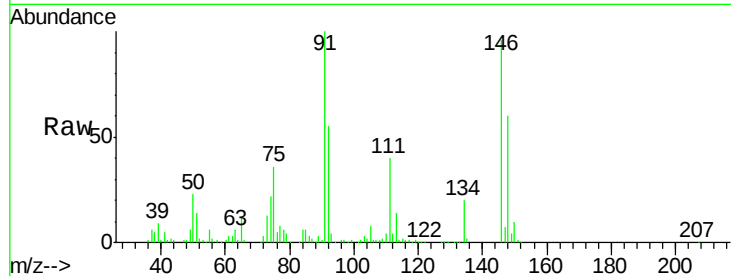
#91
 1,2-Dichlorobenzene
 Concen: 19.909 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.4	64.3
148	62.8	32.2	96.6

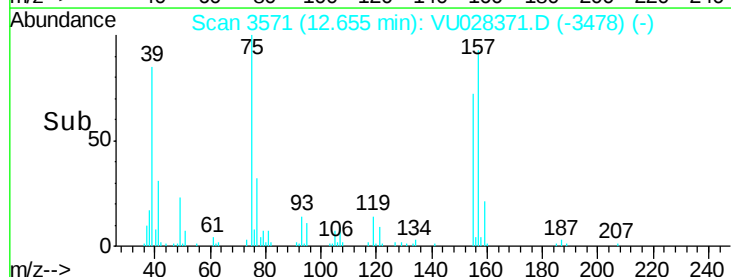
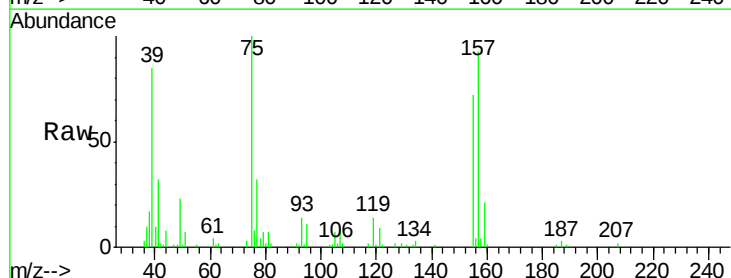
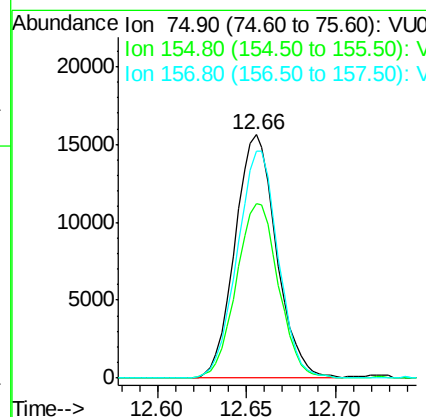
Manual Integrations
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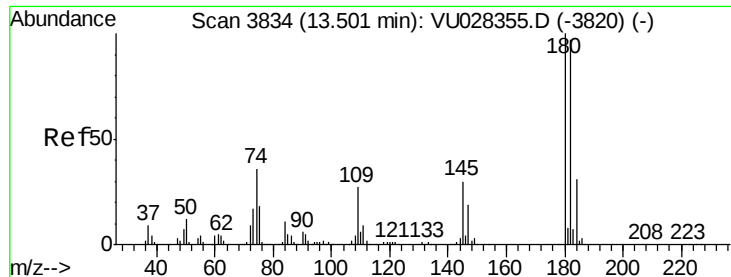
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.772 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	36.9	110.7
157	92.3	47.5	142.5





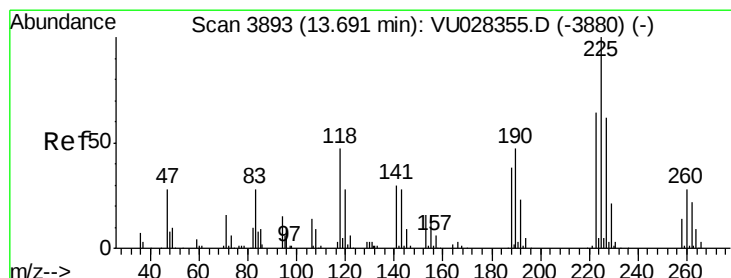
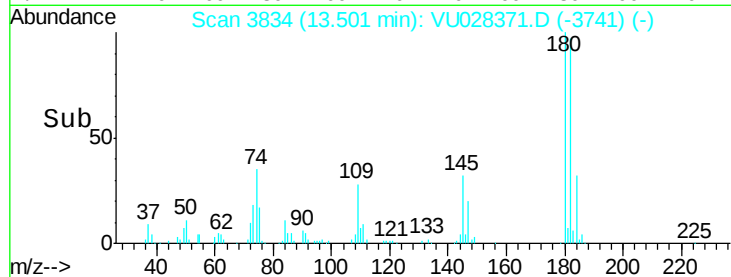
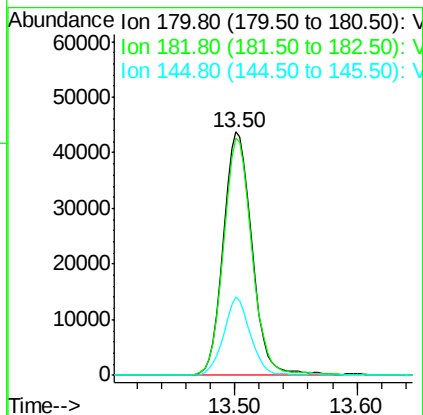
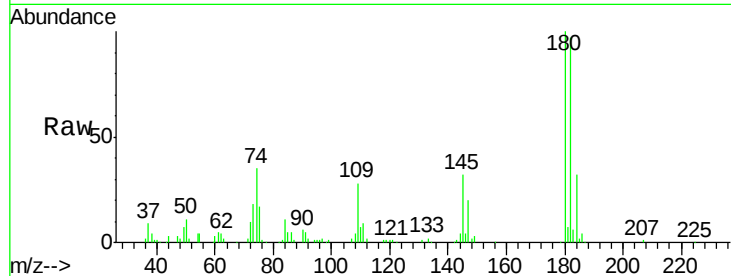
#93
 1,2,4-Trichlorobenzene
 Concen: 18.398 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1128WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	29.9	15.2	45.5

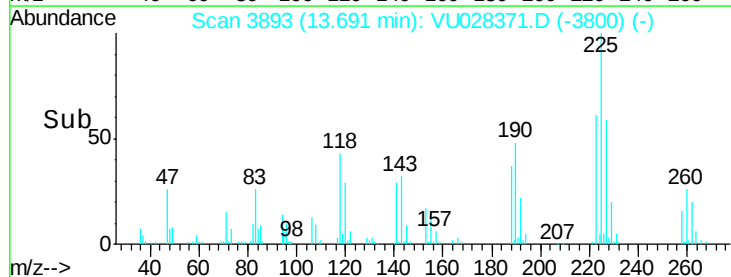
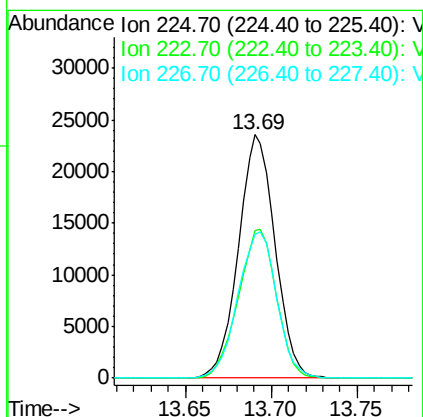
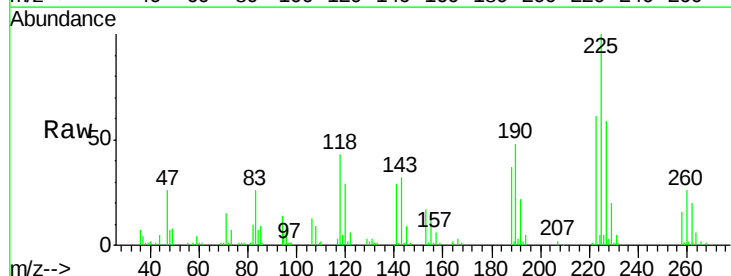
Manual Integrations
 APPROVED

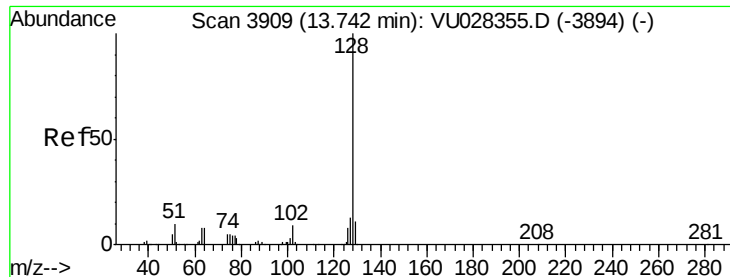
MMDadoda
 11/29/2018 1:23:22 PM



#94
 Hexachlorobutadiene
 Concen: 18.819 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028371.D
 Acq: 28 Nov 2018 17:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	94.7
227	63.6	30.8	92.4





#95

Naphthalene

Concen: 19.648 ug/l

RT: 13.74 min Scan# 3909

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Instrument :

MSVOA_U

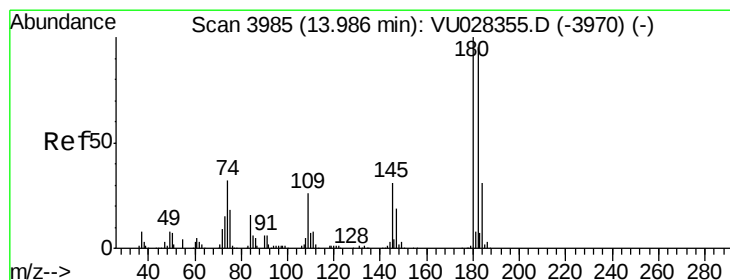
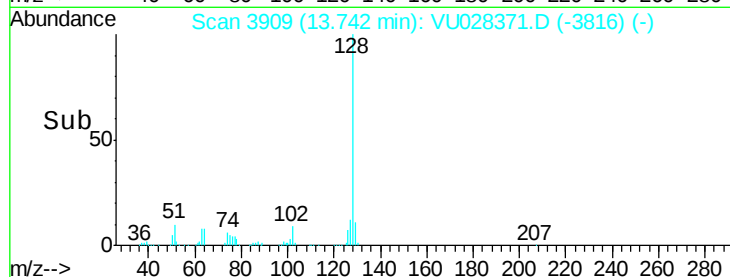
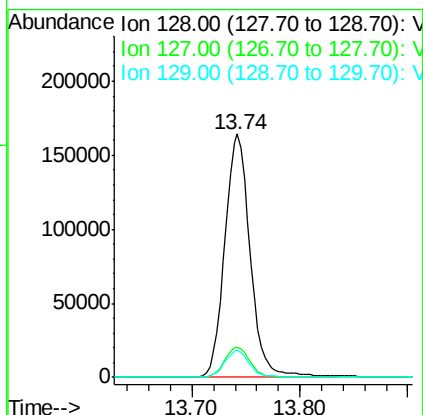
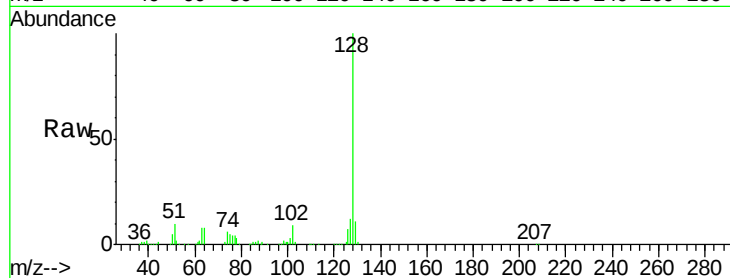
ClientSampleId :

VU1128WBSD01

Tot Ion:	128	Resp:	270132
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.6	15.8
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/29/2018 1:23:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.231 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028371.D

Acq: 28 Nov 2018 17:20

Tgt Ion:	180	Resp:	76455
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.7	143.1
145	32.3	15.7	47.1

