

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU112918\
 Data File : VU028390.D
 Acq On : 29 Nov 2018 13:51
 Operator : MD/SY
 Sample : VU1129WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/30/2018 11:25:46 AM

Quant Time: Nov 30 07:32:07 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	249281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	450338	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	423472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	200976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	209484	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.88	113	146782	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
50) Toluene-d8	7.56	98	578739	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
62) 4-Bromofluorobenzene	10.30	95	215672	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	65841	19.689	ug/l	95
3) Chloromethane	1.33	50	118914	18.346	ug/l	99
4) Vinyl Chloride	1.40	62	88765	19.573	ug/l	99
5) Bromomethane	1.63	94	31255	17.819	ug/l	98
6) Chloroethane	1.70	64	52213	20.008	ug/l	96
7) Trichlorofluoromethane	1.89	101	94768	20.117	ug/l	99
8) Diethyl Ether	2.10	74	43465	19.848	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	55662	20.284	ug/l	100
10) Methyl Iodide	2.41	142	48377	18.694	ug/l	99
11) Tert butyl alcohol	2.82	59	87168	92.099	ug/l	99
12) 1,1-Dichloroethene	2.29	96	53502	20.090	ug/l	97
13) Acrolein	2.20	56	73983	87.926	ug/l	100
14) Allyl chloride	2.59	41	134458	19.325	ug/l	96
15) Acrylonitrile	2.94	53	254715	101.740	ug/l	100
16) Acetone	2.32	43	213426	83.745	ug/l	98
17) Carbon Disulfide	2.48	76	187457	18.339	ug/l	98
18) Methyl Acetate	2.62	43	140355	19.780	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	216417	19.822	ug/l	99
20) Methylene Chloride	2.70	84	70683	19.619	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	60992	19.748	ug/l	97
22) Diisopropyl ether	3.57	45	272669	19.905	ug/l	96
23) Vinyl Acetate	3.52	43	1135146	99.694	ug/l	100
24) 1,1-Dichloroethane	3.45	63	135553	20.071	ug/l	99
25) 2-Butanone	4.26	43	352422	96.490	ug/l	99
26) 2,2-Dichloropropane	4.23	77	99935	18.631	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	71545	19.588	ug/l	98
28) Bromochloromethane	4.55	49	69107	20.464	ug/l	99
29) Tetrahydrofuran	4.64	42	240008	101.210	ug/l	100
30) Chloroform	4.67	83	121382	19.471	ug/l	94
31) Cyclohexane	5.00	56	139320	19.862	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	101839	20.359	ug/l	100
36) 1,1-Dichloropropene	5.14	75	95505	19.380	ug/l	100
37) Ethyl Acetate	4.38	43	134677	20.054	ug/l	98
38) Carbon Tetrachloride	5.13	117	76748	18.965	ug/l	97

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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	110828	19.075	ug/l	99
40) Benzene	5.39	78	287842	19.721	ug/l	99
41) Methacrylonitrile	4.54	41	75801	20.325	ug/l	98
42) 1,2-Dichloroethane	5.40	62	103090	19.606	ug/l	99
43) Isopropyl Acetate	5.55	43	213685	20.079	ug/l	99
44) Trichloroethene	6.19	130	61180	19.555	ug/l	99
45) 1,2-Dichloropropane	6.43	63	85668	20.043	ug/l	99
46) Dibromomethane	6.56	93	48636	19.810	ug/l	99
47) Bromodichloromethane	6.76	83	93126	19.070	ug/l	97
48) Methyl methacrylate	6.62	41	107618	19.413	ug/l	99
49) 1,4-Dioxane	6.61	88	30215	341.188	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	667988	98.278	ug/l	99
52) Toluene	7.64	92	164174	19.533	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	110721	18.961	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	118233	18.900	ug/l	96
55) 1,1,2-Trichloroethane	8.06	97	67112	19.186	ug/l	99
56) Ethyl methacrylate	8.02	69	115716	19.445	ug/l	97
57) 1,3-Dichloropropane	8.24	76	123230	19.210	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	302598	94.713	ug/l	100
59) 2-Hexanone	8.36	43	502685	95.478	ug/l	100
60) Dibromochloromethane	8.48	129	63876	19.200	ug/l	95
61) 1,2-Dibromoethane	8.58	107	73307	20.462	ug/l	99
64) Tetrachloroethene	8.22	164	51885	18.626	ug/l	97
65) Chlorobenzene	9.12	112	168469	19.159	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	56140	18.626	ug/l	99
67) Ethyl Benzene	9.25	91	319668	19.302	ug/l	100
68) m/p-Xylenes	9.38	106	230393	38.651	ug/l	99
69) o-Xylene	9.78	106	111304	18.783	ug/l	98
70) Styrene	9.79	104	187440	19.613	ug/l	99
71) Bromoform	9.96	173	48135	19.000	ug/l #	98
73) Isopropylbenzene	10.16	105	298957	19.126	ug/l	99
74) N-amyl acetate	10.01	43	183146	18.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	122201	19.011	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	104073m	18.674	ug/l	
77) Bromobenzene	10.45	156	69144	18.773	ug/l	99
78) n-propylbenzene	10.58	91	372823	19.335	ug/l	100
79) 2-Chlorotoluene	10.66	91	217227	19.110	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	249341	18.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	36994m	17.620	ug/l	
82) 4-Chlorotoluene	10.77	91	248706	18.990	ug/l	100
83) tert-Butylbenzene	11.10	119	240382	19.577	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	255240	19.131	ug/l	100
85) sec-Butylbenzene	11.32	105	307339	19.271	ug/l	98
86) p-Isopropyltoluene	11.48	119	255373	19.474	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	126411	18.818	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	128313	18.979	ug/l	98
89) n-Butylbenzene	11.89	91	257085	19.864	ug/l	100
90) Hexachloroethane	12.14	117	35208	17.197	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	126526	18.878	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25126	17.573	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	85817	19.561	ug/l	98
94) Hexachlorobutadiene	13.69	225	38947	18.801	ug/l	99
95) Naphthalene	13.74	128	301029	19.623	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88315	19.904	ug/l	97

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

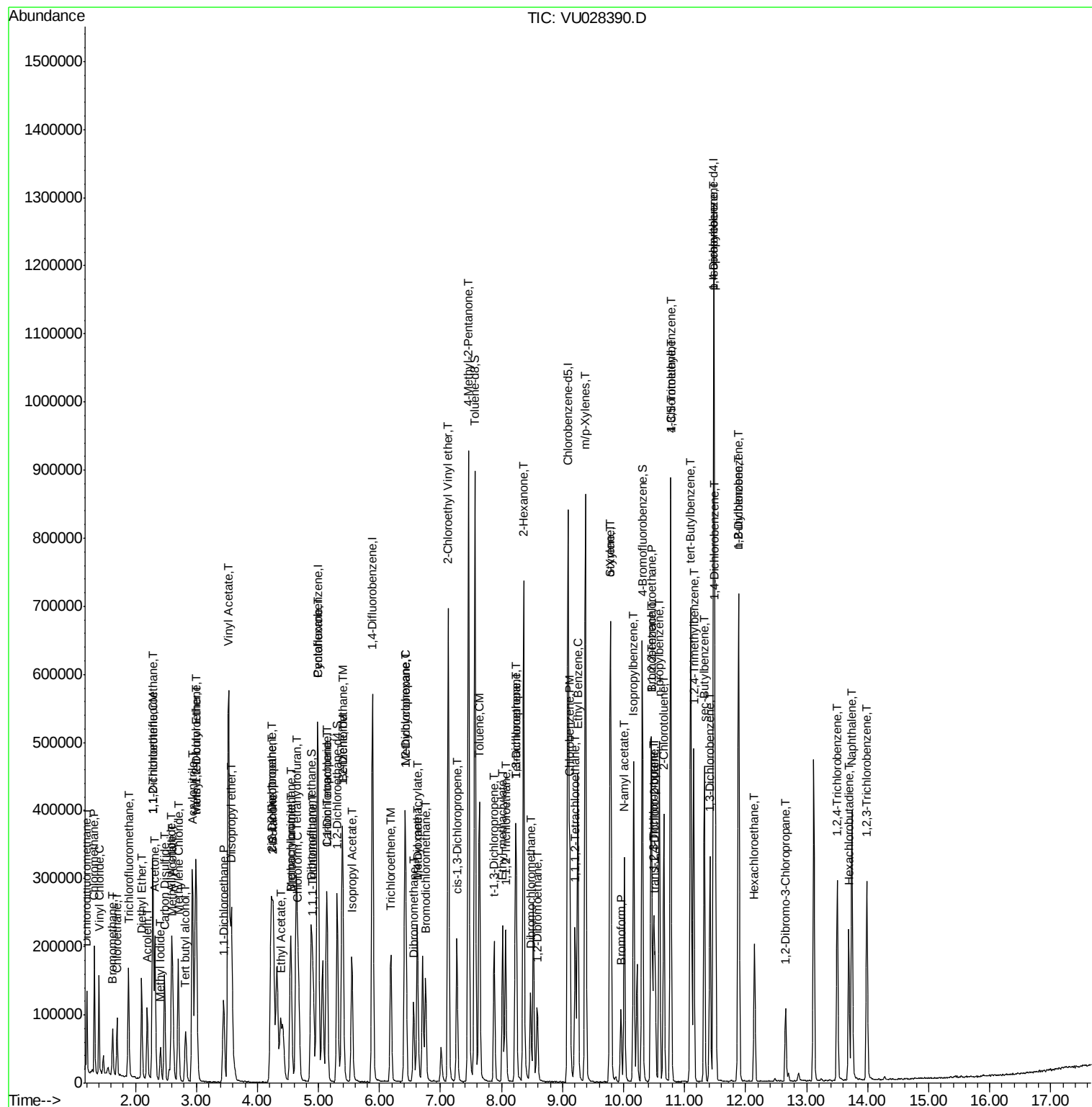
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Data File : VU028390.D
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Operator : MD/SY
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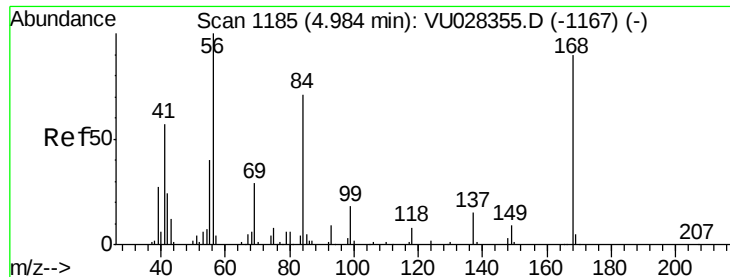
Instrument :
MSVOA_U
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion:168 Resp: 249281

Ion Ratio Lower Upper

168 100

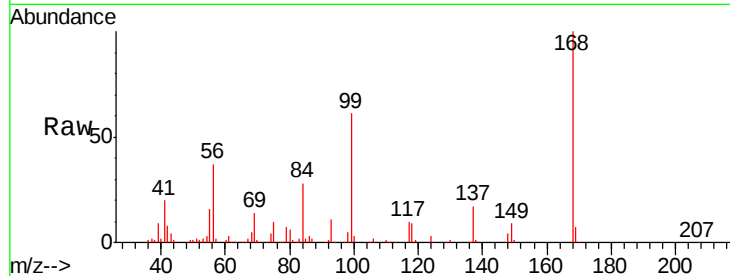
99 60.4 49.6 74.4

Manual Integrations

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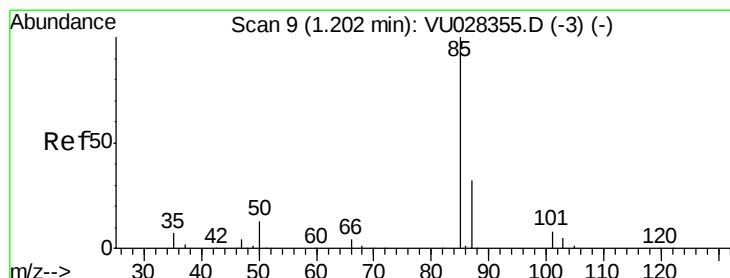
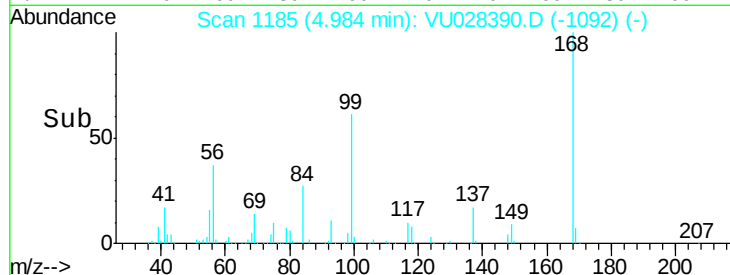
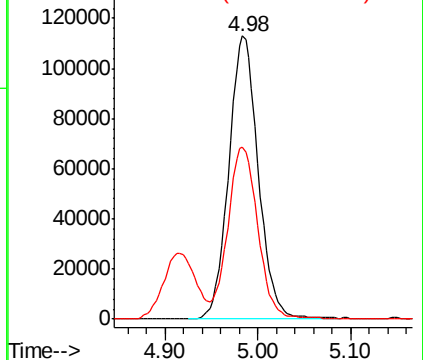
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 19.689 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028390.D

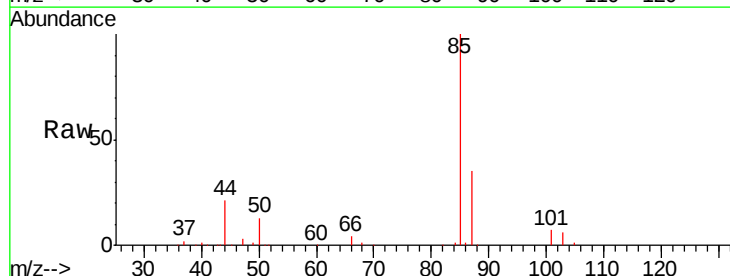
Acq: 29 Nov 2018 13:51

Tgt Ion: 85 Resp: 65841

Ion Ratio Lower Upper

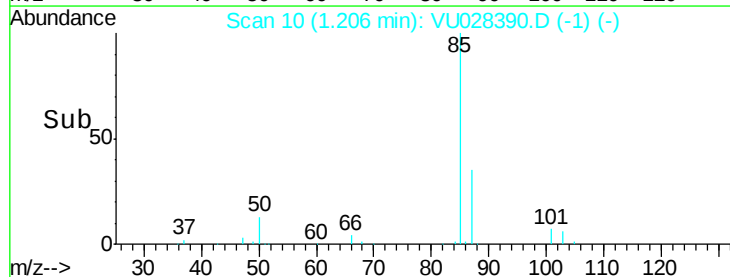
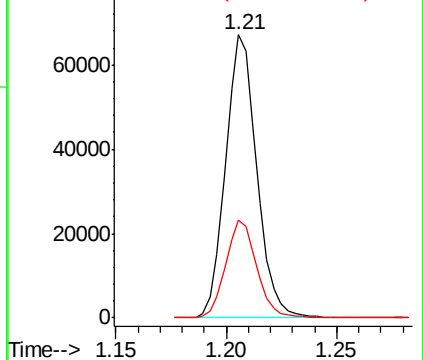
85 100

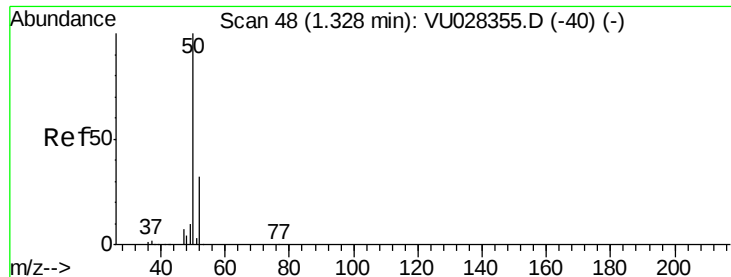
87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 18.346 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 50 Resp: 118914

Ion Ratio Lower Upper

50 100

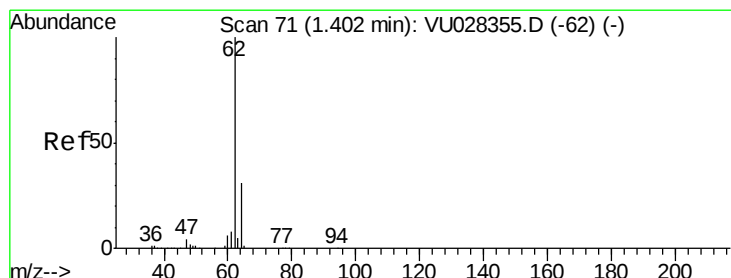
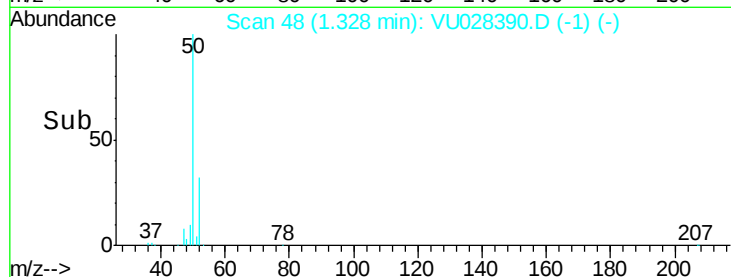
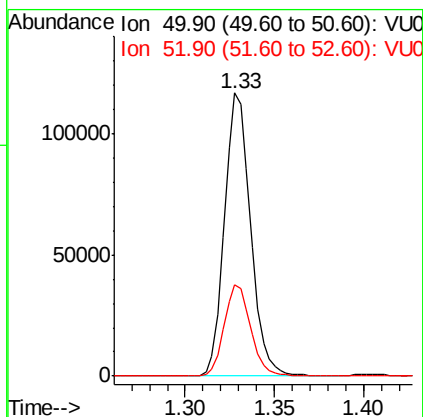
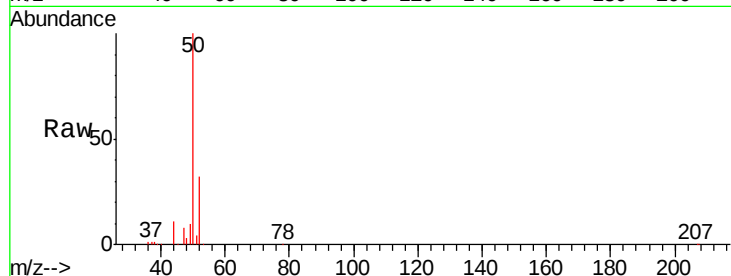
52 32.3 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.573 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028390.D

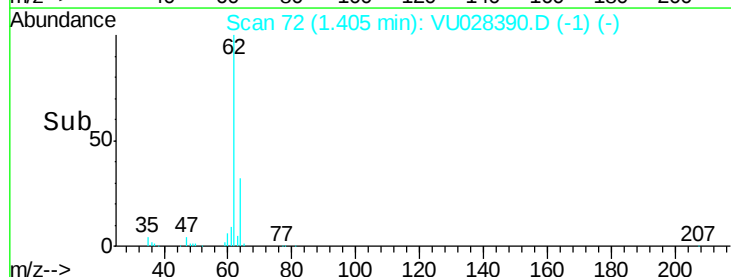
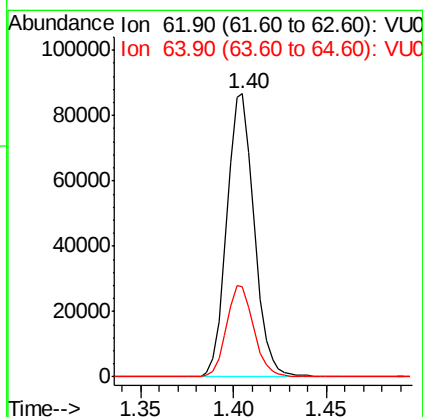
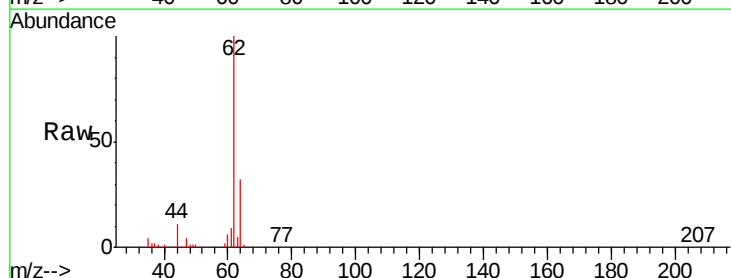
Acq: 29 Nov 2018 13:51

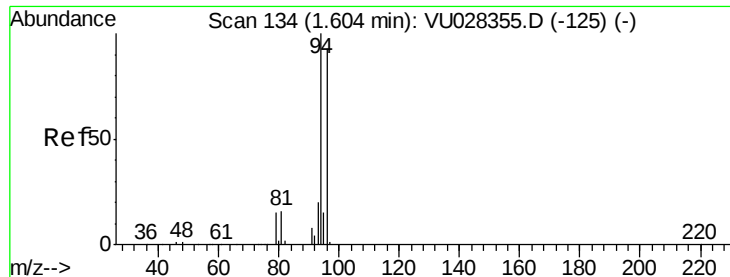
Tgt Ion: 62 Resp: 88765

Ion Ratio Lower Upper

62 100

64 31.7 25.0 37.4





#5

Bromomethane

Concen: 17.819 ug/l

RT: 1.63 min Scan# 141

Delta R.T. 0.02 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

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ClientSampleId :

VU1129WBS01

Tgt Ion: 94 Resp: 31255

Ion Ratio Lower Upper

94 100

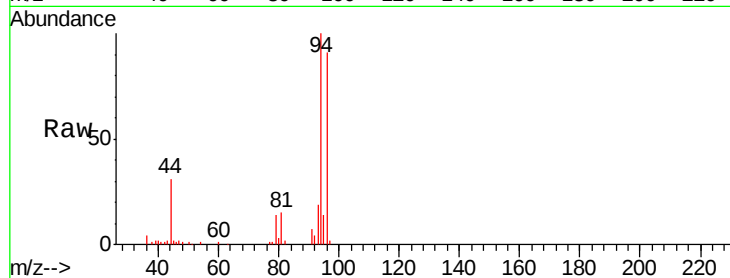
96 91.1 74.6 112.0

Manual Integrations

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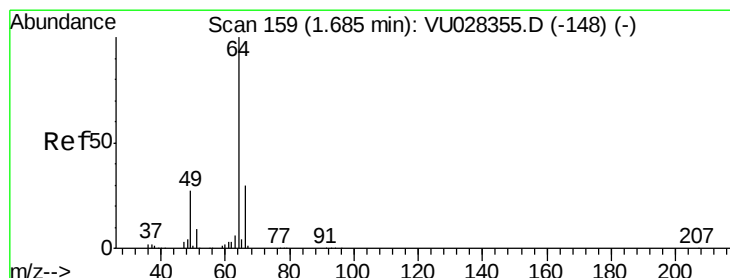
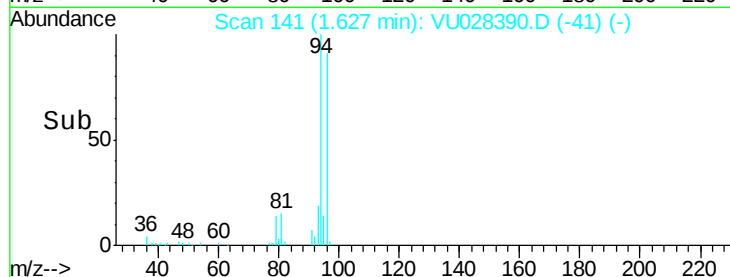
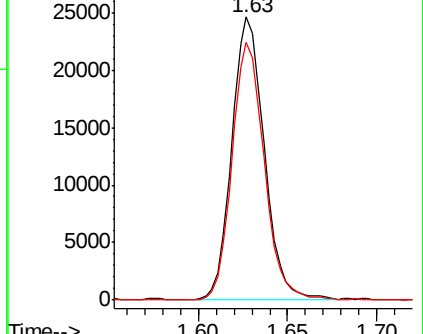
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 20.008 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028390.D

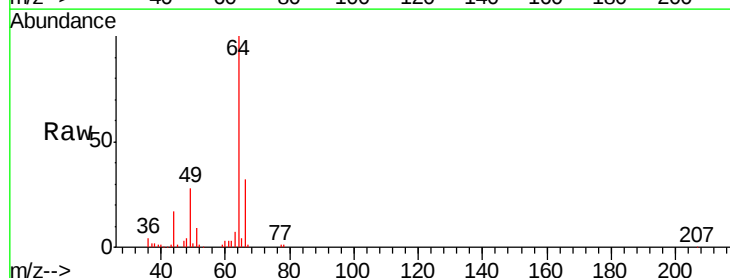
Acq: 29 Nov 2018 13:51

Tgt Ion: 64 Resp: 52213

Ion Ratio Lower Upper

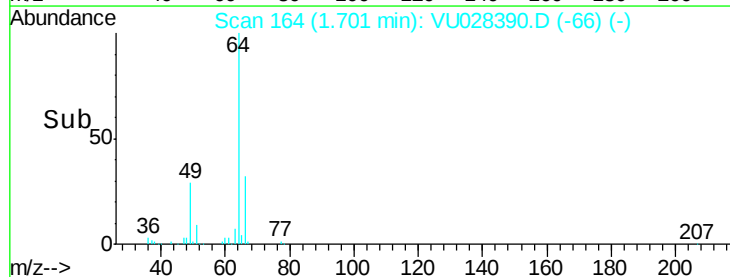
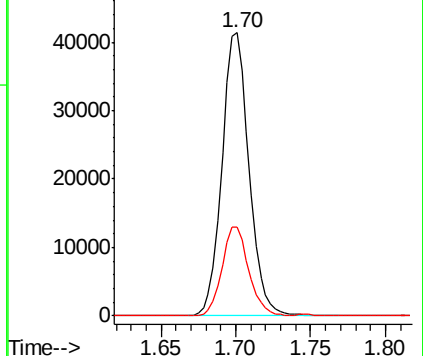
64 100

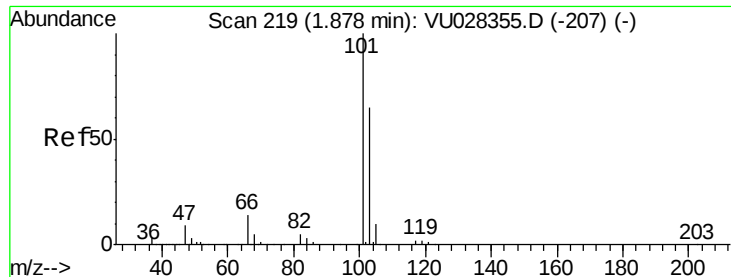
66 31.6 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

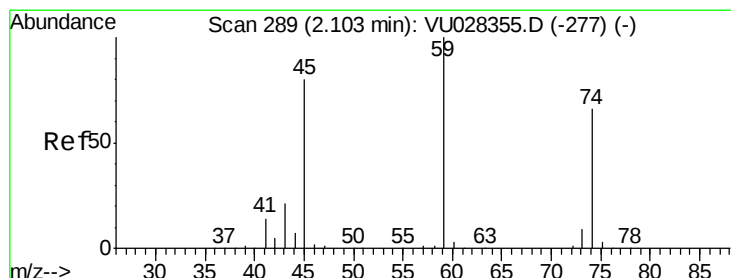
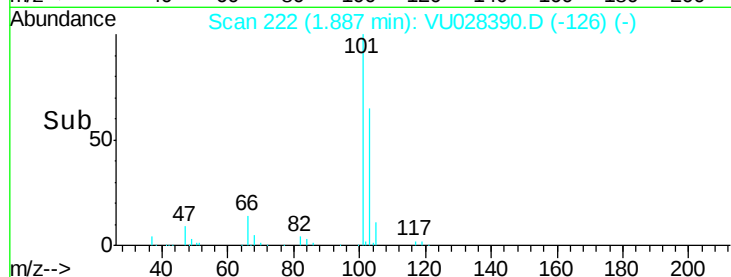
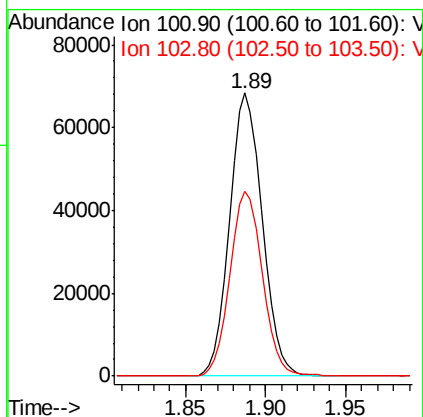
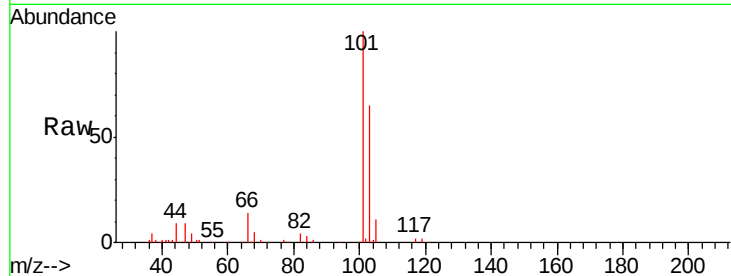
Trichlorofluoromethane
 Concen: 20.117 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
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 VU1129WBS01

Tgt Ion:101 Resp: 94768
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.6 77.4

Manual Integrations
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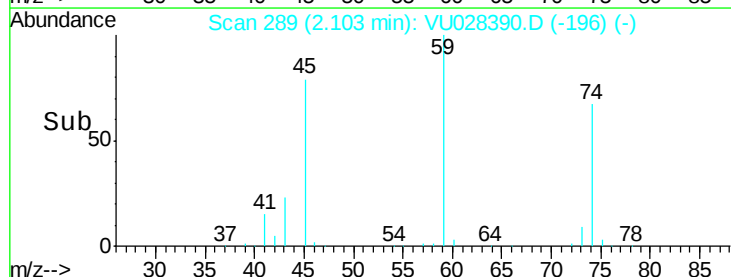
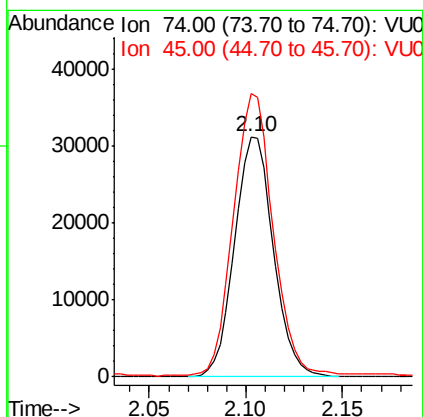
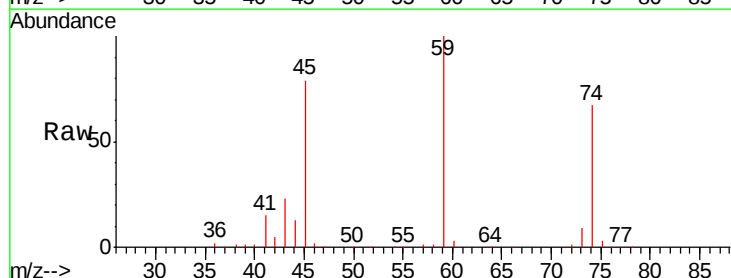
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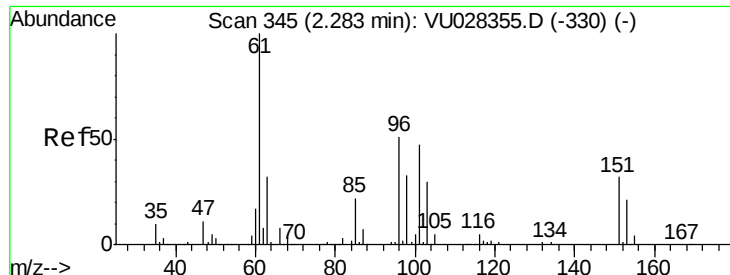


#8

Diethyl Ether
 Concen: 19.848 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion: 74 Resp: 43465
 Ion Ratio Lower Upper
 74 100
 45 120.0 63.0 189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.284 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

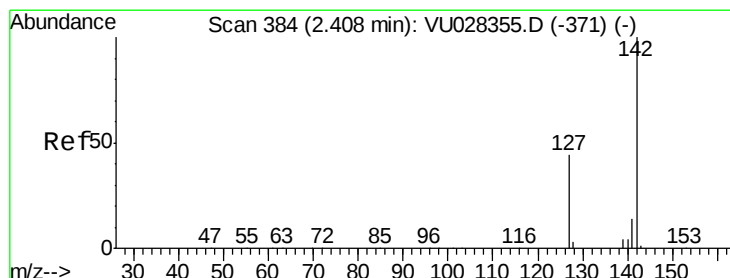
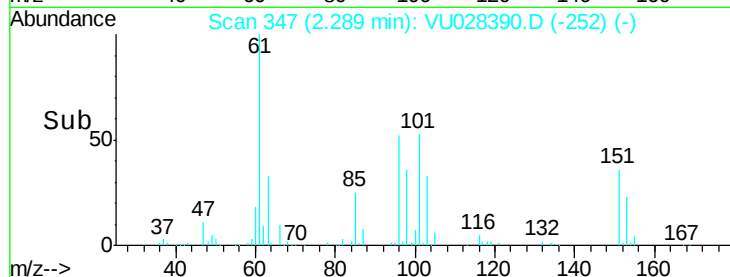
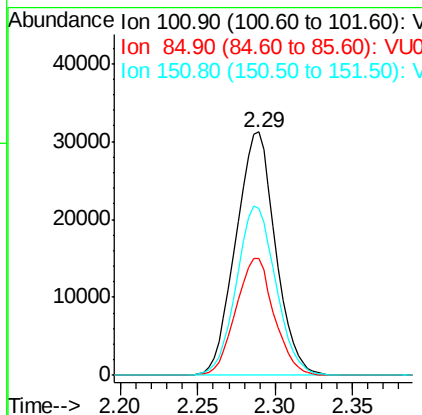
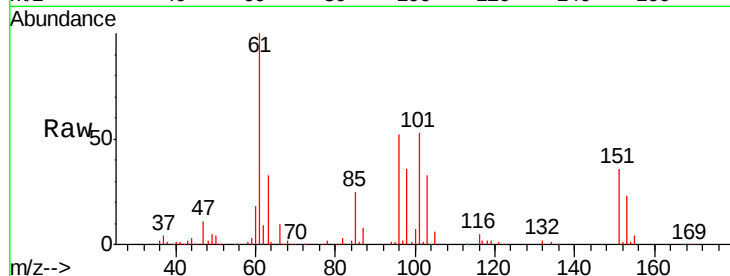
ClientSampleId :

VU1129WBS01

Tgt Ion:	101	Resp:	55662
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.2	55.8
151	68.9	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.694 ug/l

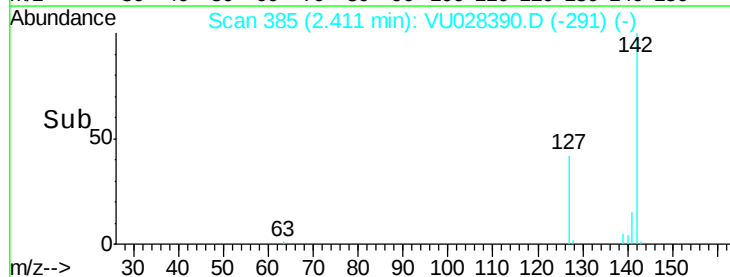
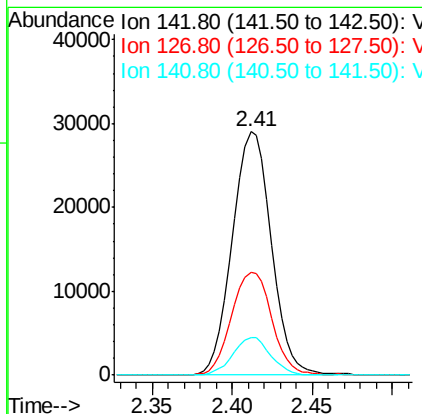
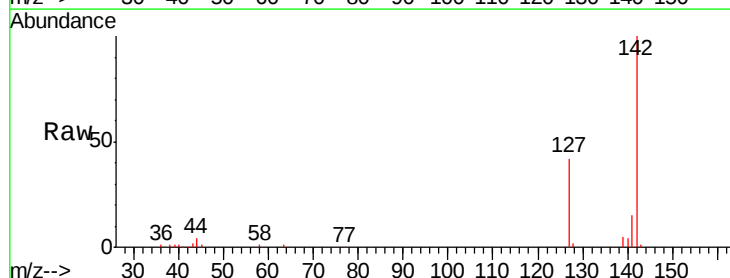
RT: 2.41 min Scan# 385

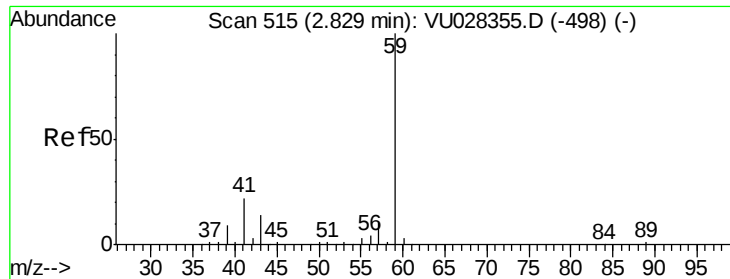
Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	142	Resp:	48377
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.0	52.6
141	14.8	11.2	16.8





#11

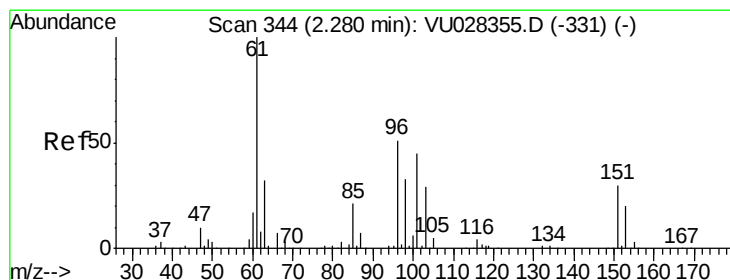
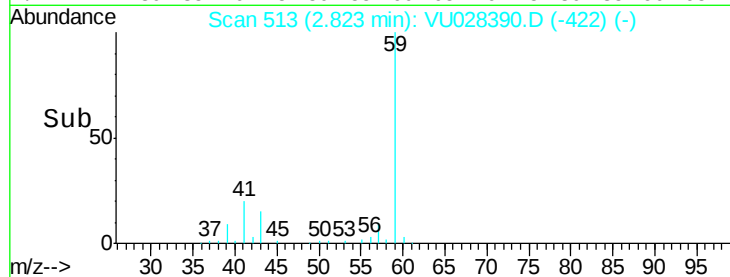
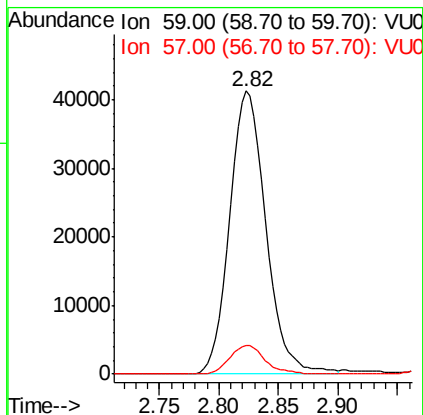
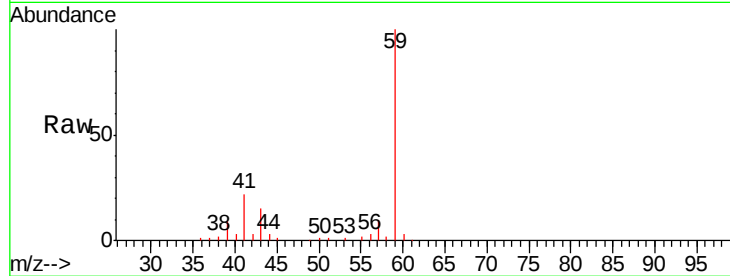
Tert butyl alcohol
 Concen: 92.099 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

Manual Integrations
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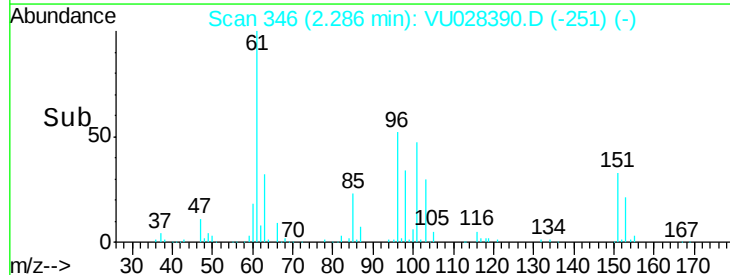
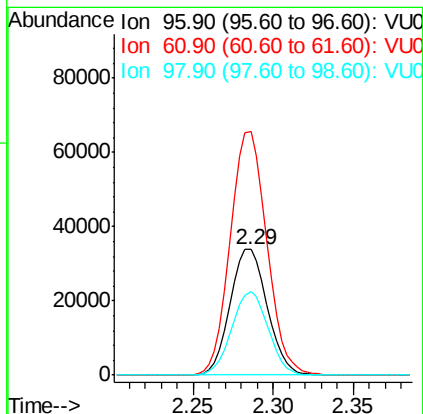
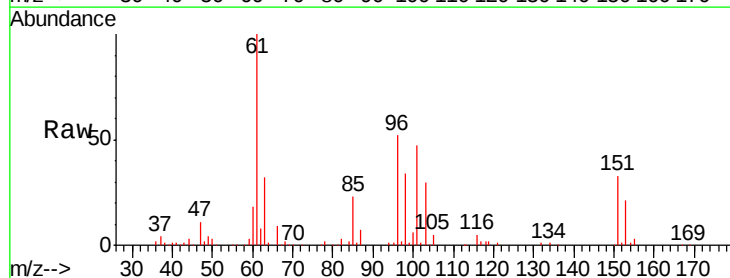
MMDadoda
 11/30/2018 11:25:46 AM

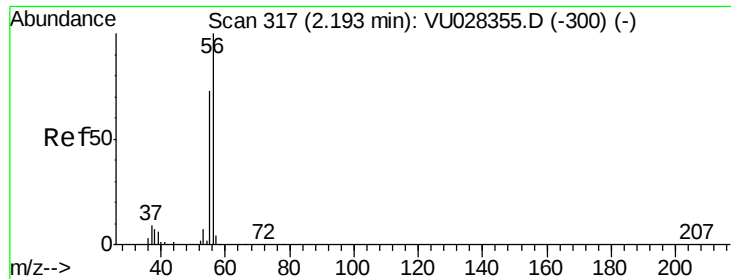


#12

1,1-Dichloroethene
 Concen: 20.090 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.01 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.7	158.1	237.1
98	66.7	51.4	77.2





#13

Acrolein

Concen: 87.926 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 56 Resp: 73983

Ion Ratio Lower Upper

56 100

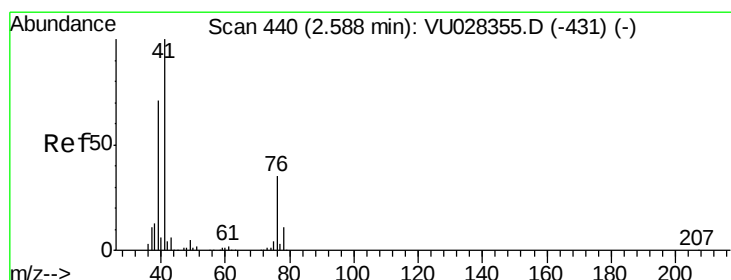
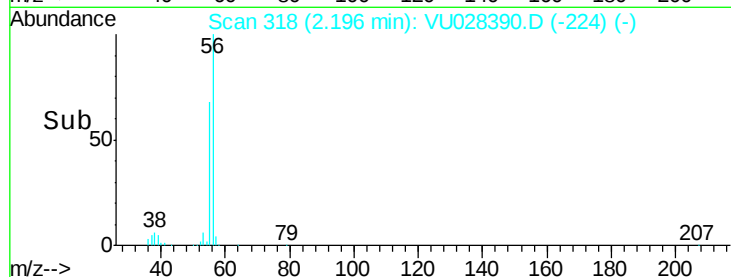
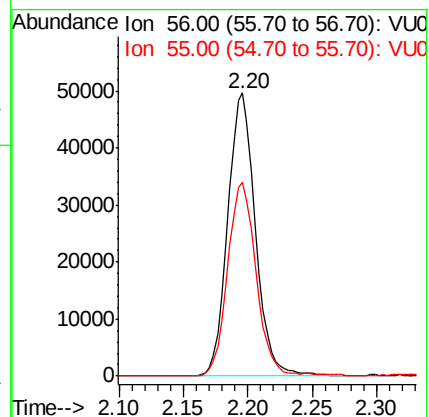
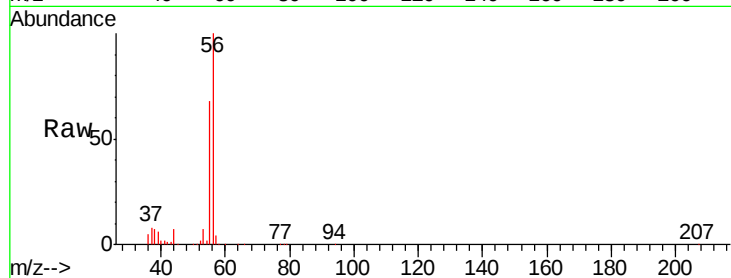
55 71.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.325 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.01 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

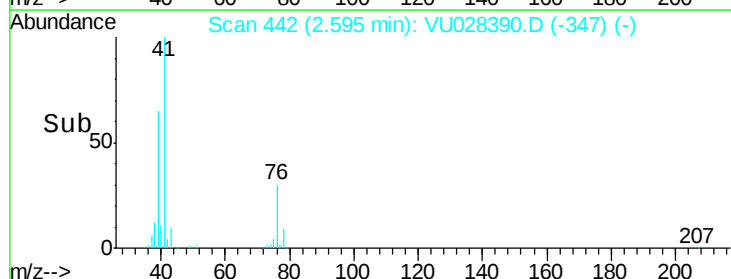
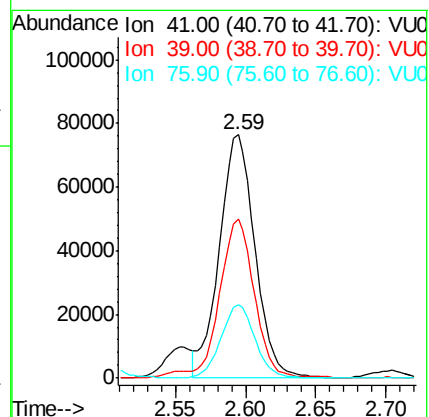
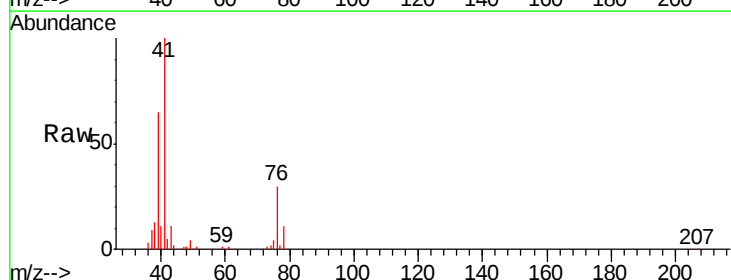
Tgt Ion: 41 Resp: 134458

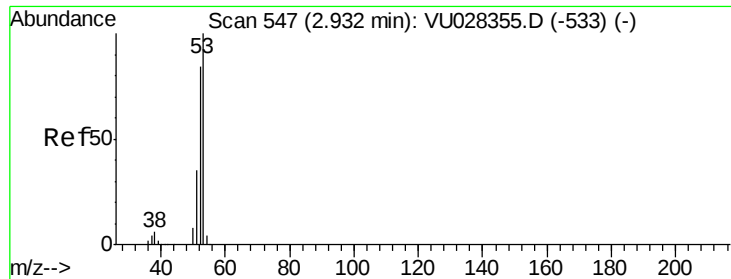
Ion Ratio Lower Upper

41 100

39 61.6 51.6 77.4

76 28.8 24.4 36.6





#15

Acrylonitrile

Concen: 101.740 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

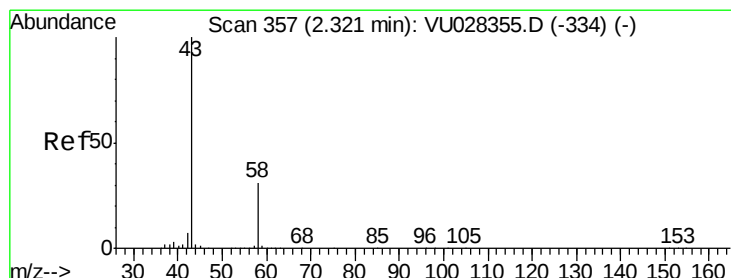
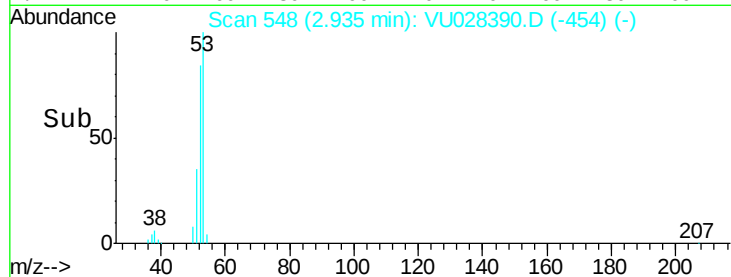
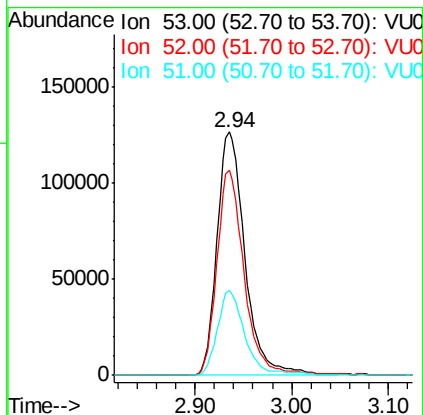
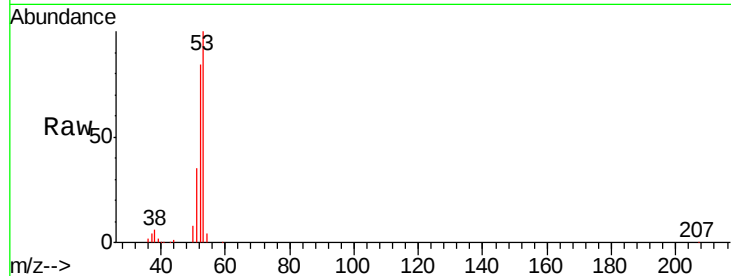
ClientSampleId :

VU1129WBS01

Tgt Ion:	53	Resp:	254715
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.7	98.5
51	34.5	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 83.745 ug/l

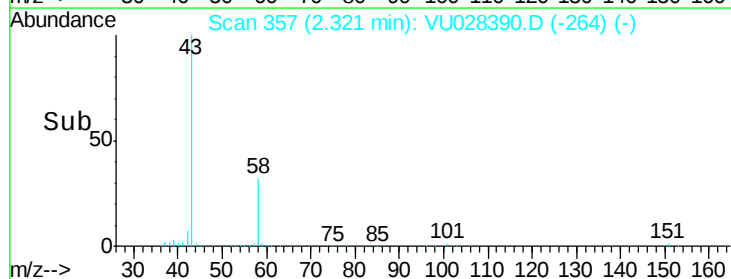
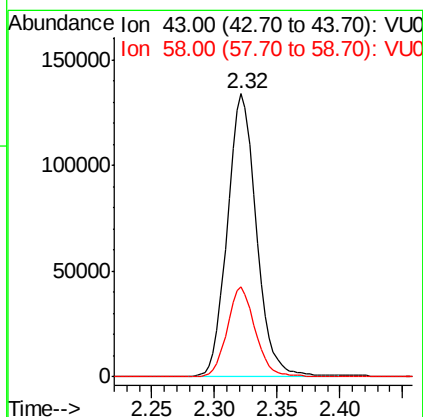
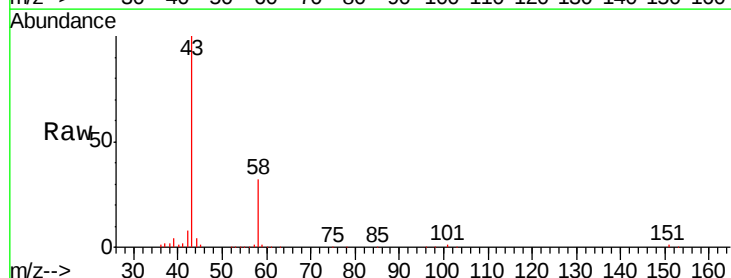
RT: 2.32 min Scan# 357

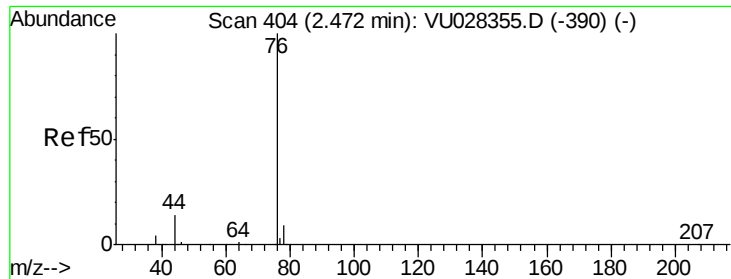
Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	43	Resp:	213426
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.4	36.6





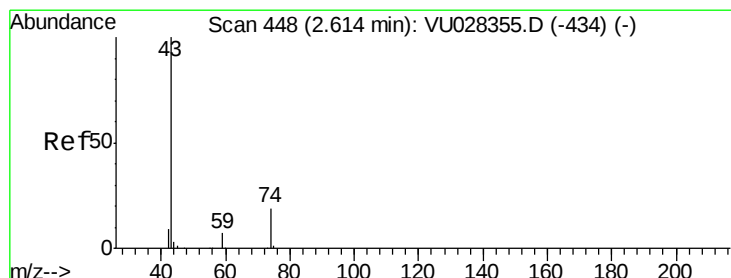
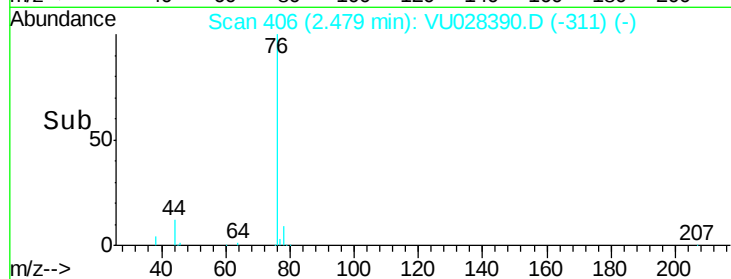
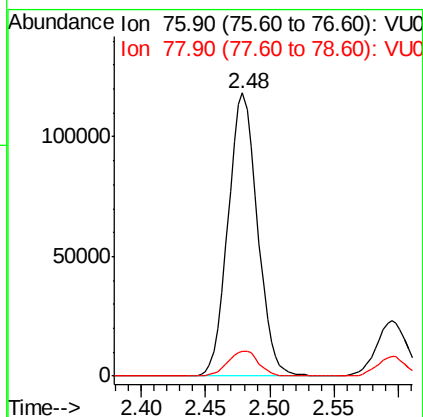
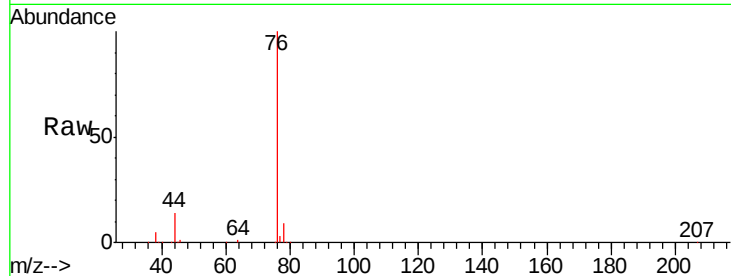
#17
Carbon Disulfide
Concen: 18.339 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.01 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

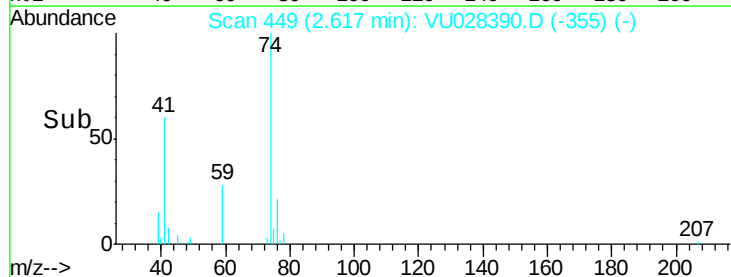
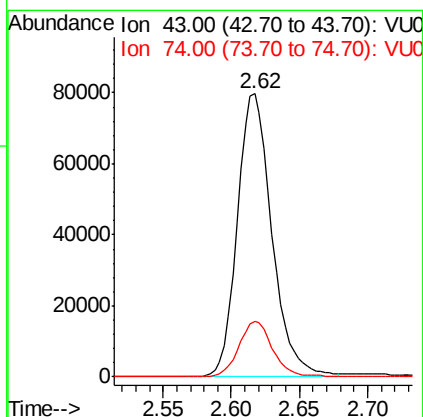
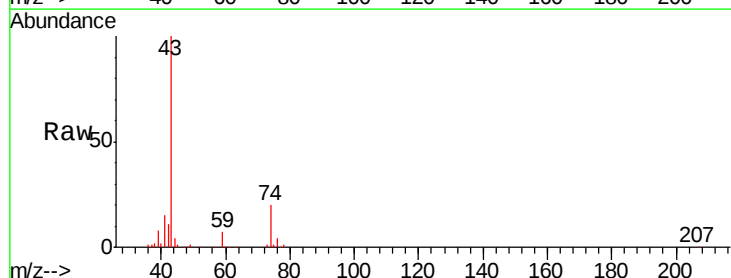
Manual Integrations
APPROVED

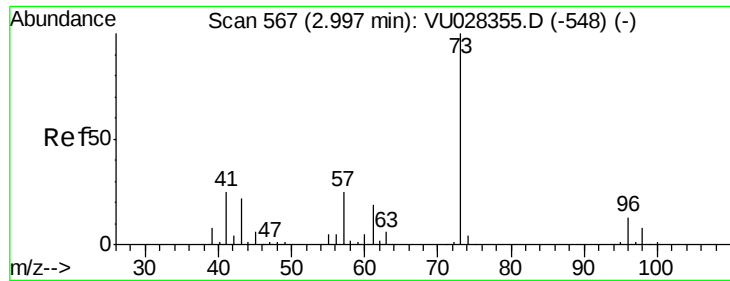
MMDadoda
11/30/2018 11:25:46 AM



#18
Methyl Acetate
Concen: 19.780 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.3	15.3	22.9





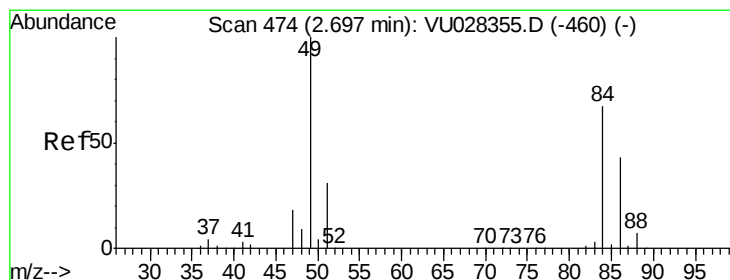
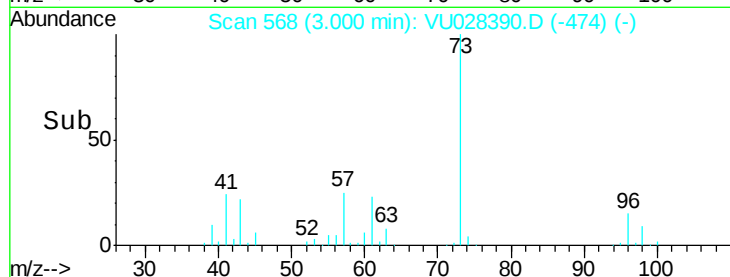
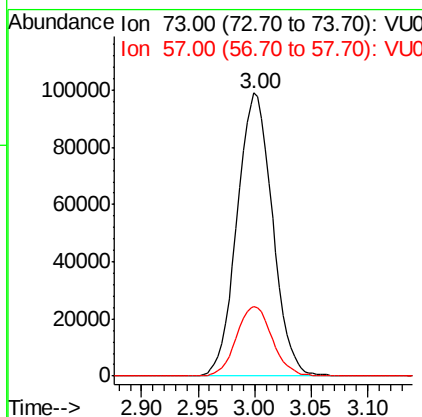
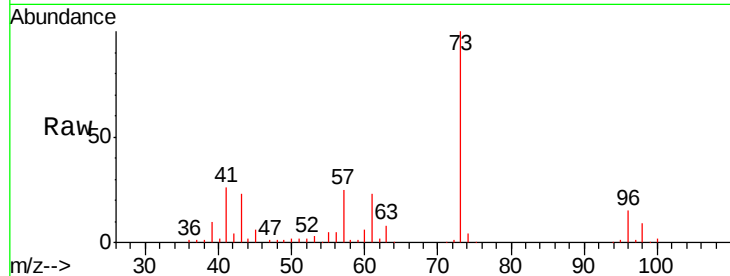
#19
Methyl tert-butyl Ether
Concen: 19.822 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion: 73 Resp: 216417
Ion Ratio Lower Upper
73 100
57 24.6 20.1 30.1

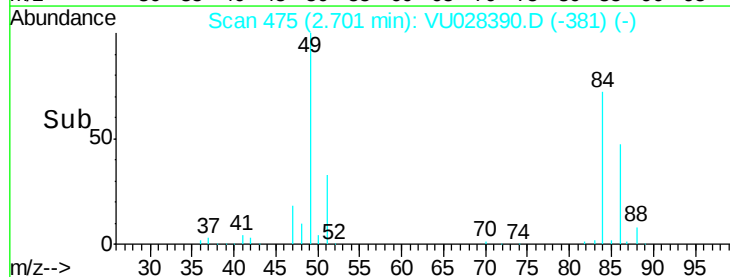
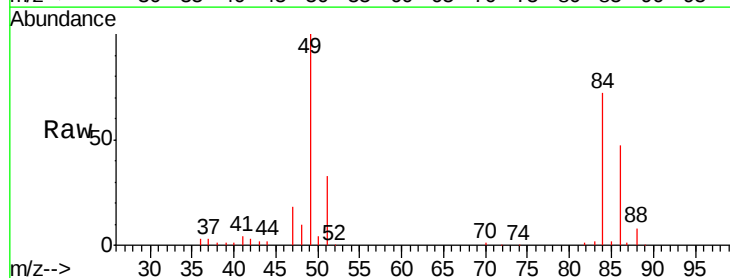
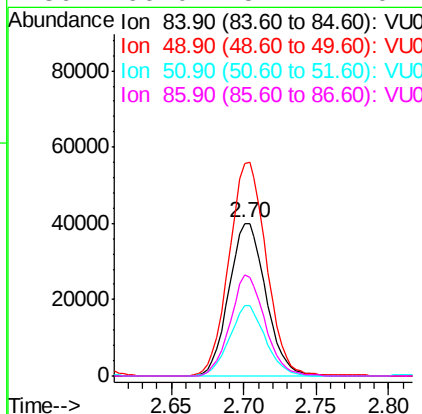
Manual Integrations
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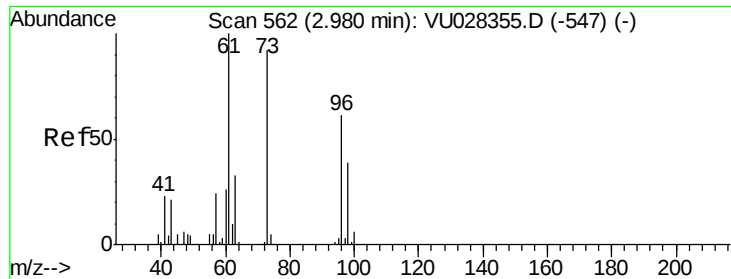
MMDadoda
11/30/2018 11:25:46 AM



#20
Methylene Chloride
Concen: 19.619 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion: 84 Resp: 70683
Ion Ratio Lower Upper
84 100
49 139.4 120.0 180.0
51 46.2 36.9 55.3
86 66.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 19.748 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

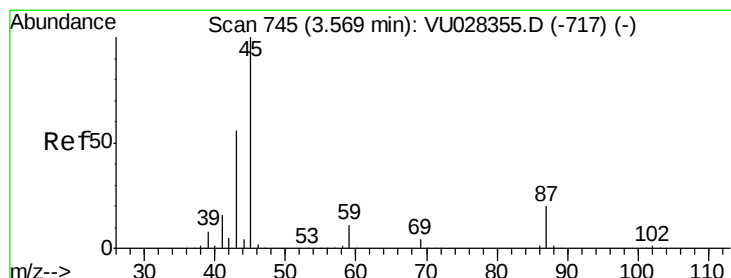
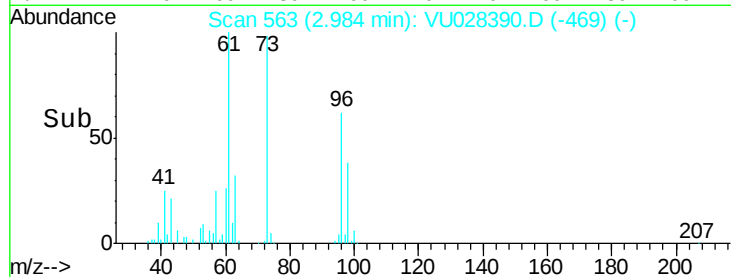
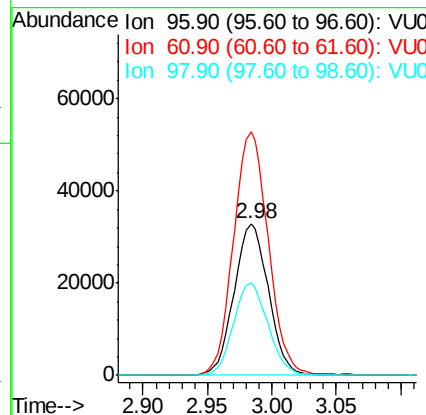
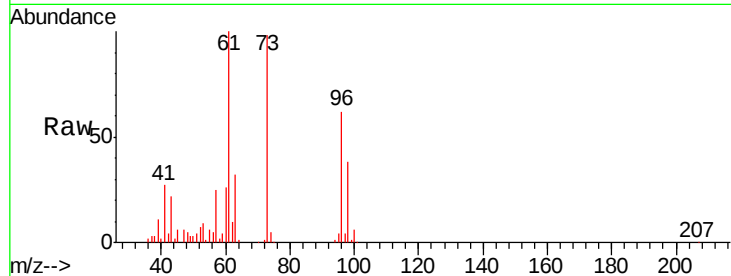
ClientSampleId :

VU1129WBS01

Tgt Ion:	96	Resp:	60992
Ion	Ratio	Lower	Upper
96	100		
61	160.6	131.1	196.7
98	60.7	51.7	77.5

Manual Integrations
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11/30/2018 11:25:46 AM



#22

Diisopropyl ether

Concen: 19.905 ug/l

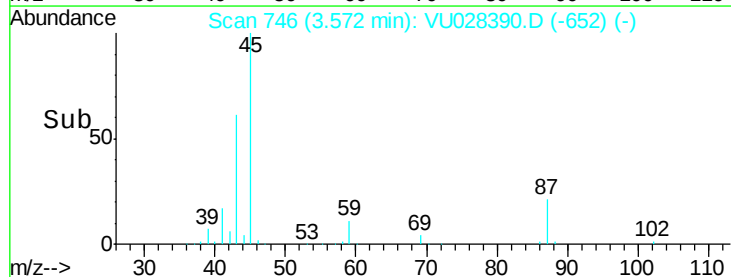
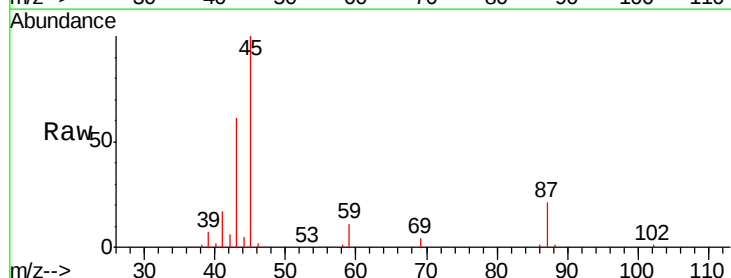
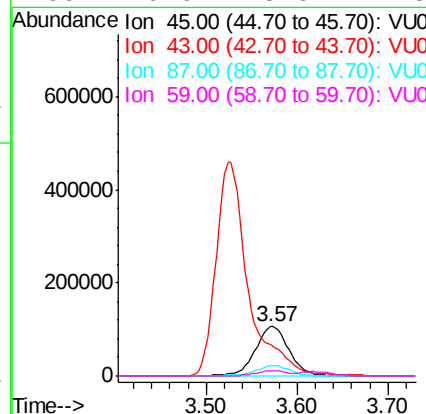
RT: 3.57 min Scan# 746

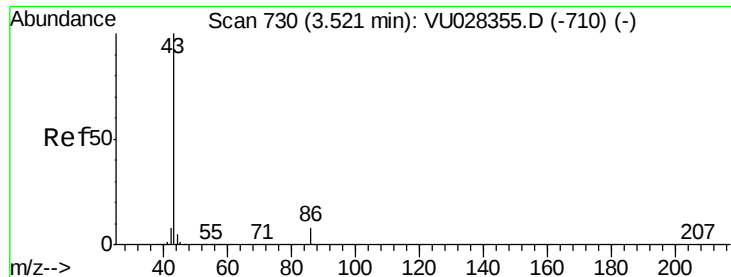
Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	45	Resp:	272669
Ion	Ratio	Lower	Upper
45	100		
43	59.7	44.8	67.2
87	20.9	16.3	24.5
59	10.6	8.6	12.8





#23

Vinyl Acetate

Concen: 99.694 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 43 Resp: 1135146

Ion Ratio Lower Upper

43 100

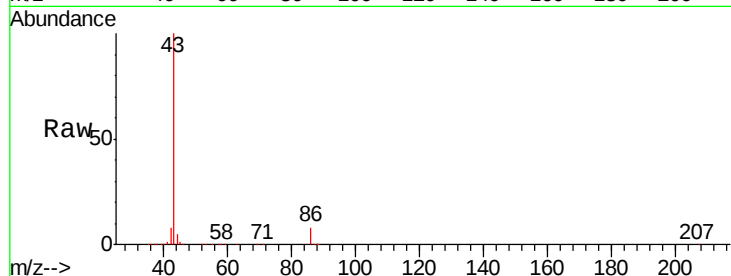
86 8.1 6.5 9.7

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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

500000

400000

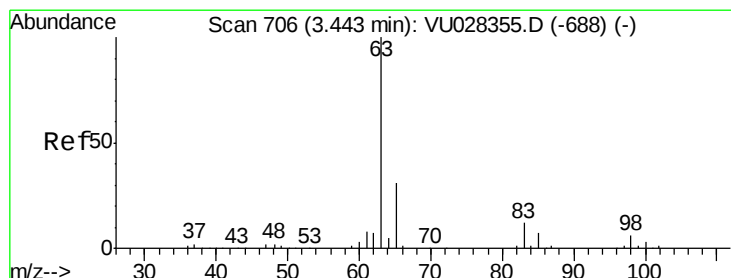
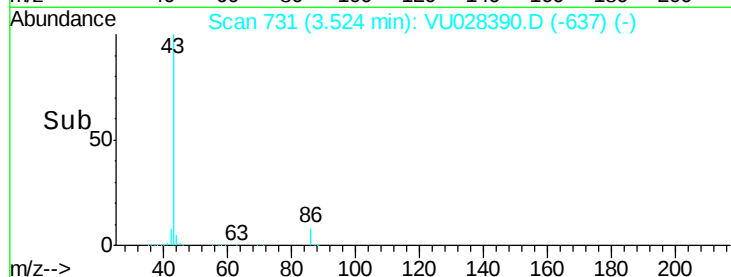
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.071 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

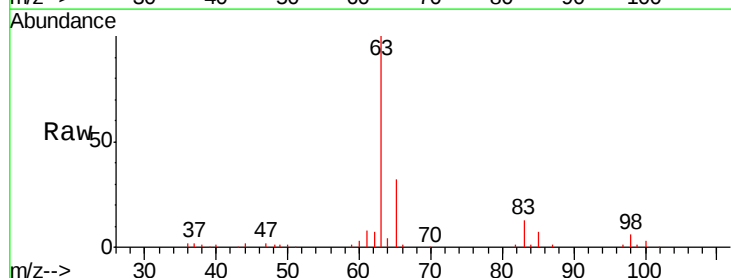
Tgt Ion: 63 Resp: 135553

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.6

100 3.2 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

80000

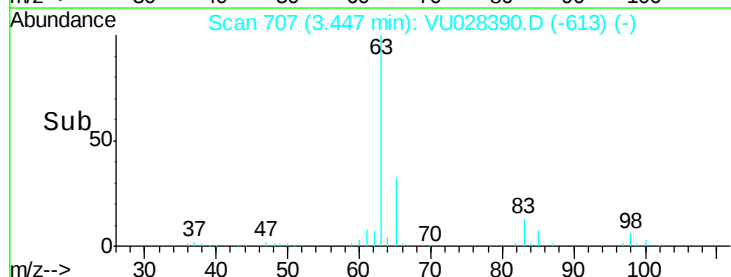
60000

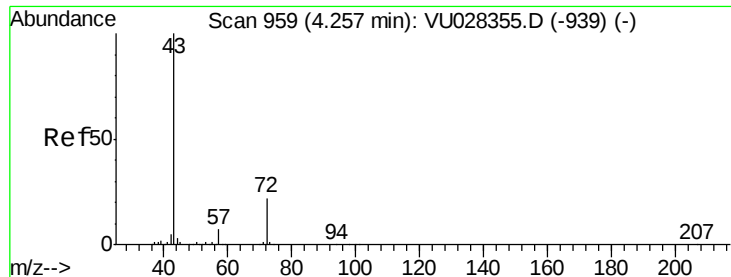
40000

20000

0

Time-->





#25

2-Butanone

Concen: 96.490 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 43 Resp: 352422

Ion Ratio Lower Upper

43 100

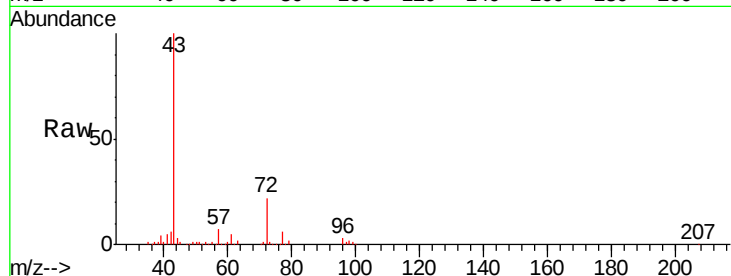
72 21.5 17.7 26.5

Manual Integrations

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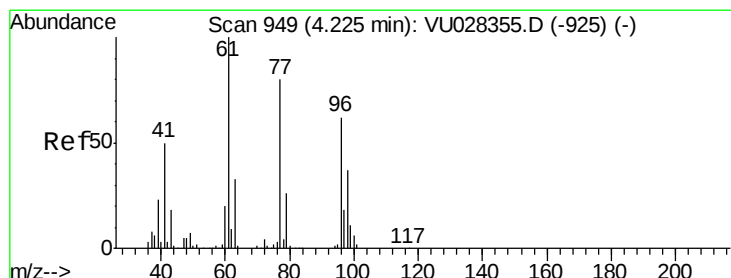
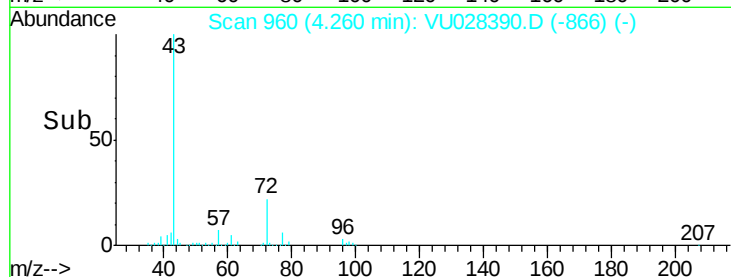
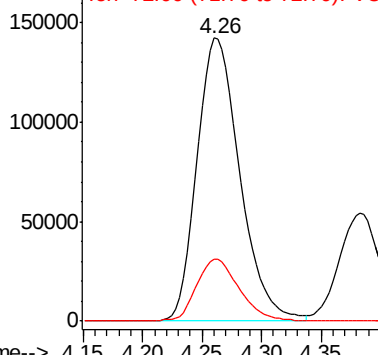
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.631 ug/l

RT: 4.23 min Scan# 950

Delta R.T. 0.00 min

Lab File: VU028390.D

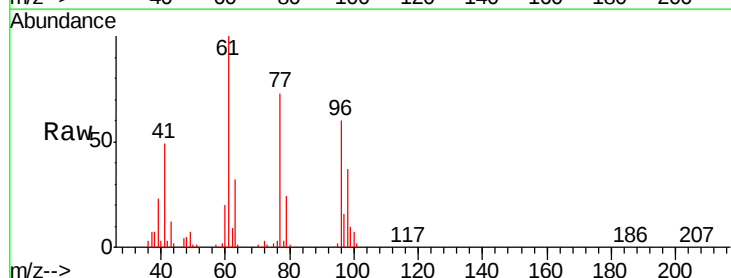
Acq: 29 Nov 2018 13:51

Tgt Ion: 77 Resp: 99935

Ion Ratio Lower Upper

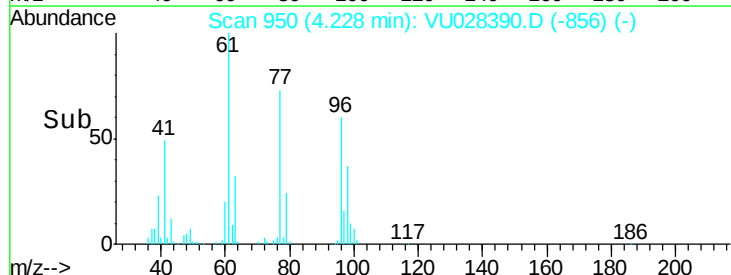
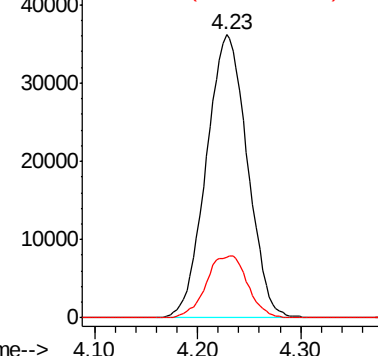
77 100

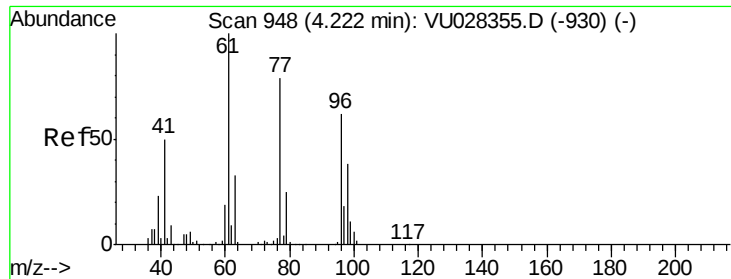
97 22.1 10.7 32.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

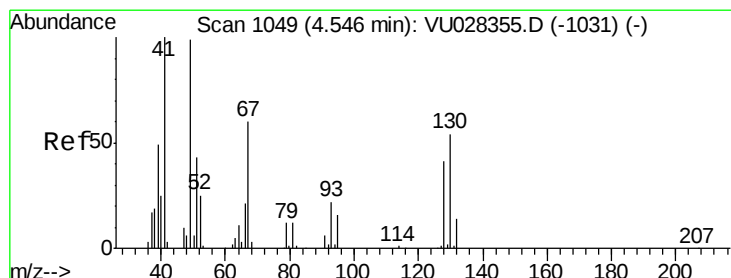
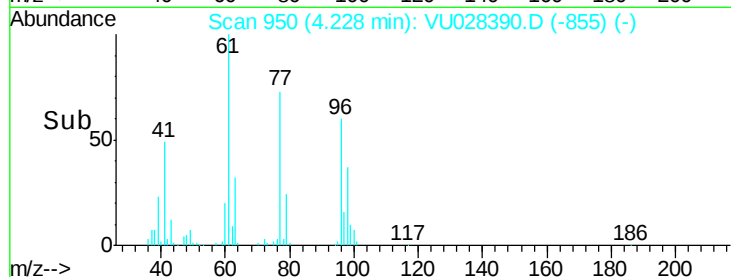
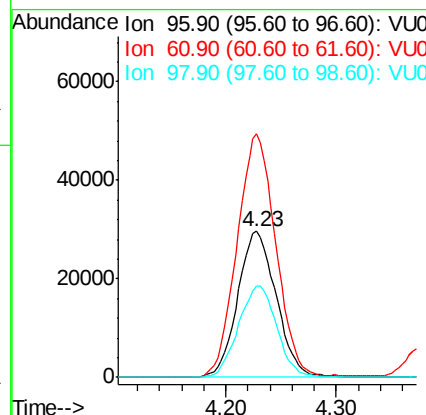
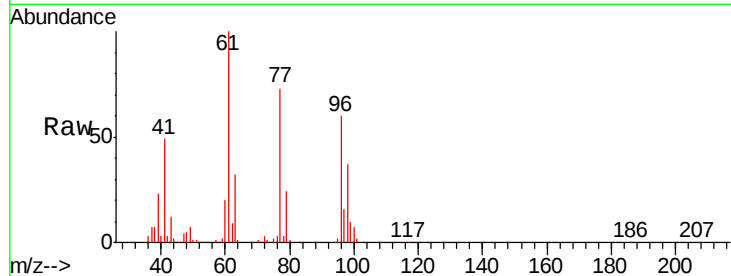
cis-1,2-Dichloroethene
 Concen: 19.588 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	342.0
98	62.3	0.0	126.4

Manual Integrations
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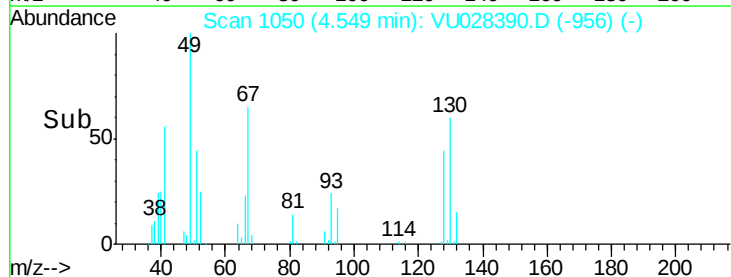
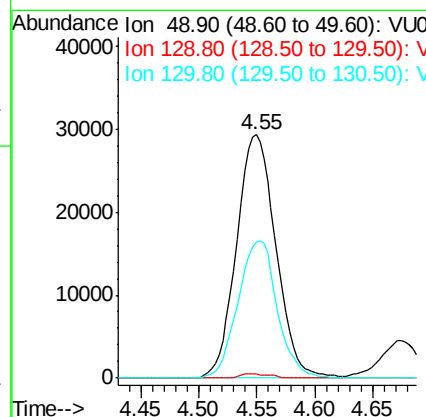
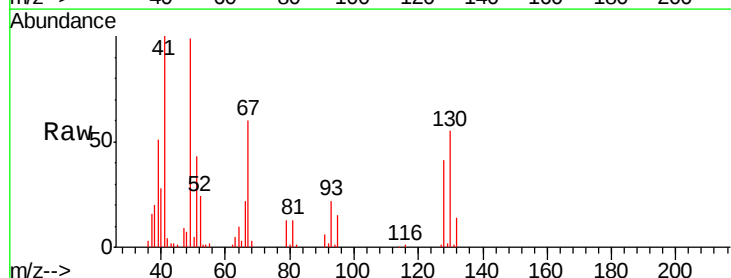
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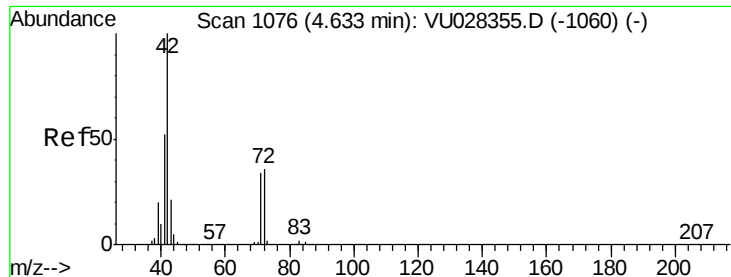


#28

Bromochloromethane
 Concen: 20.464 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	2.6
130	56.2	44.5	66.7





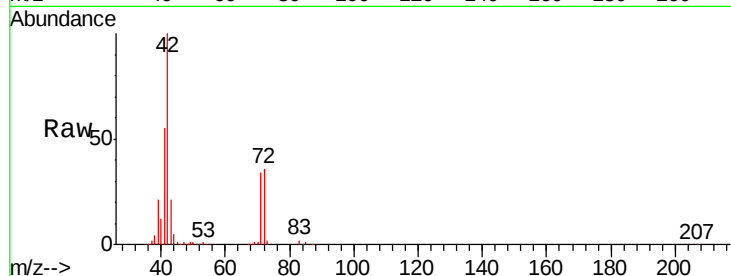
#29
Tetrahydrofuran
Concen: 101.210 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

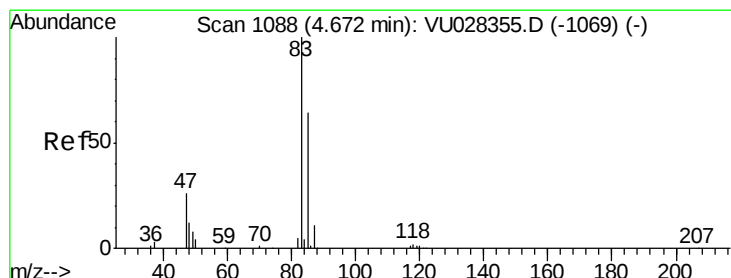
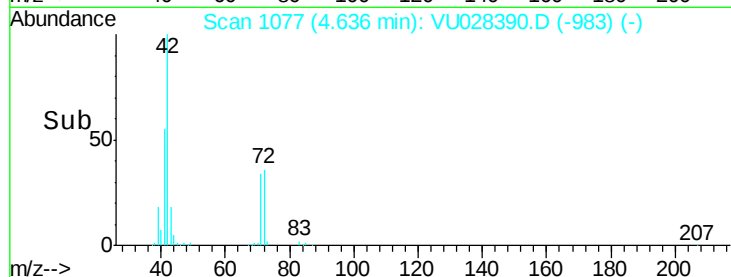
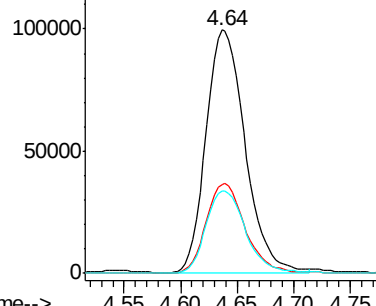
Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.5	44.3
71	34.8	27.7	41.5

Manual Integrations
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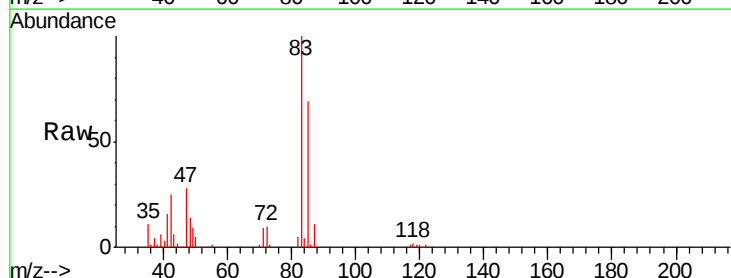


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

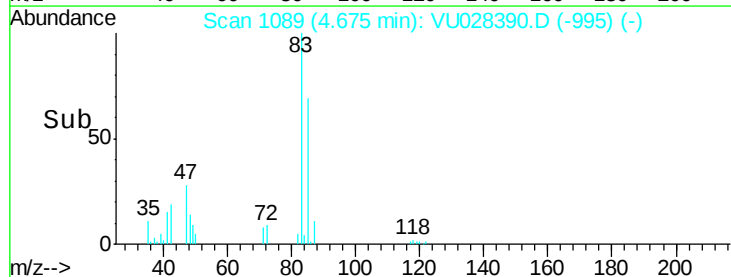
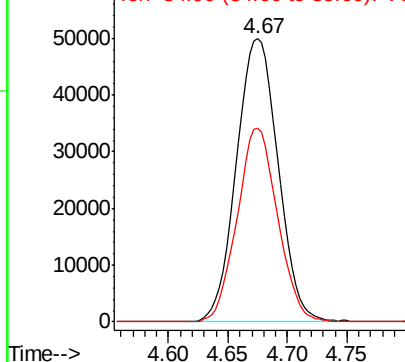


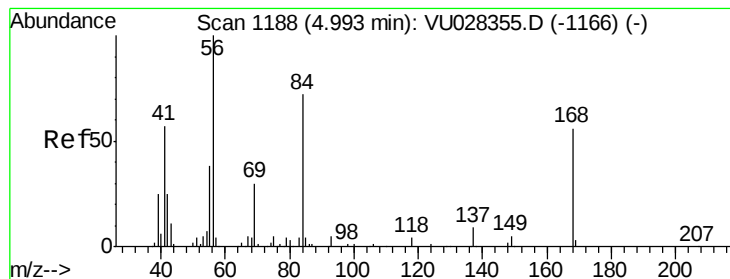
#30
Chloroform
Concen: 19.471 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	51.2	76.8



Abundance Ion 82.90 (82.60 to 83.60): VU0
Ion 84.90 (84.60 to 85.60): VU0





#31

Cyclohexane

Concen: 19.862 ug/l

RT: 5.00 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

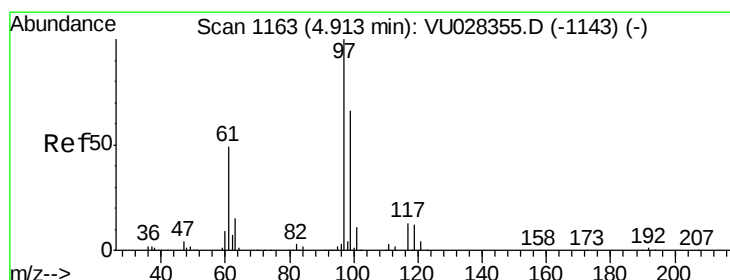
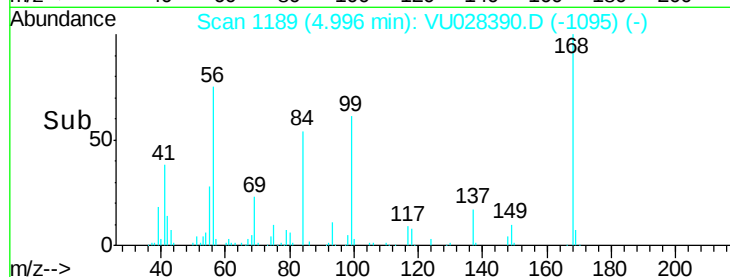
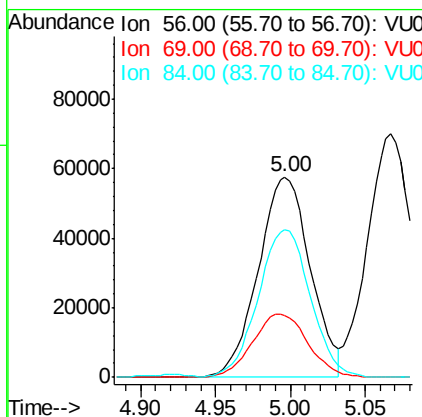
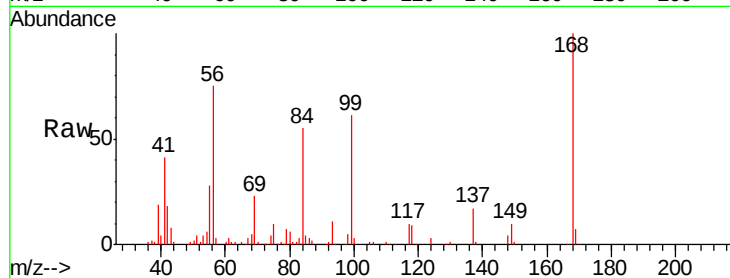
ClientSampleId :

VU1129WBS01

Tgt Ion:	56	Resp:	139320
Ion Ratio	Lower	Upper	
56	100		
69	30.8	23.7	35.5
84	72.8	57.3	85.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.359 ug/l

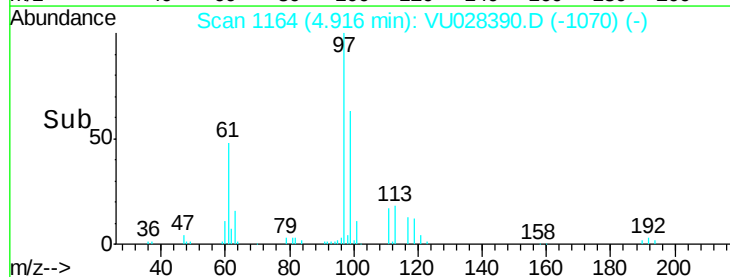
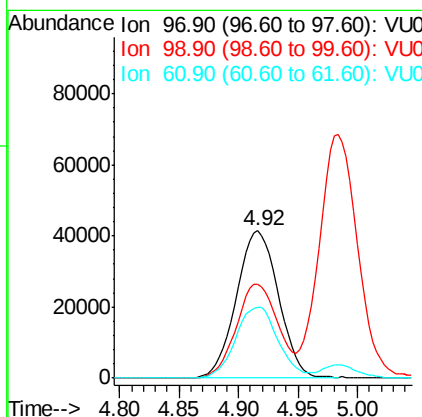
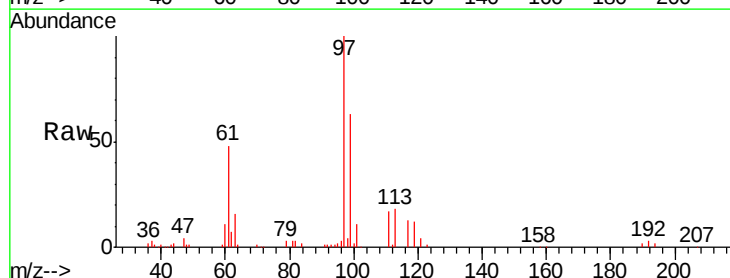
RT: 4.92 min Scan# 1164

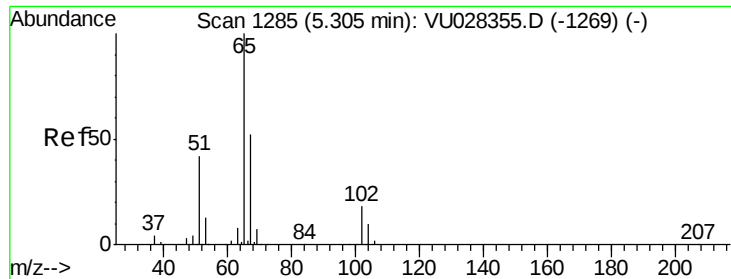
Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	97	Resp:	101839
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.8	76.2
61	48.5	39.1	58.7





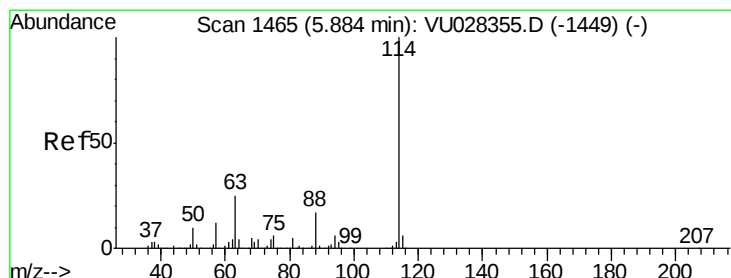
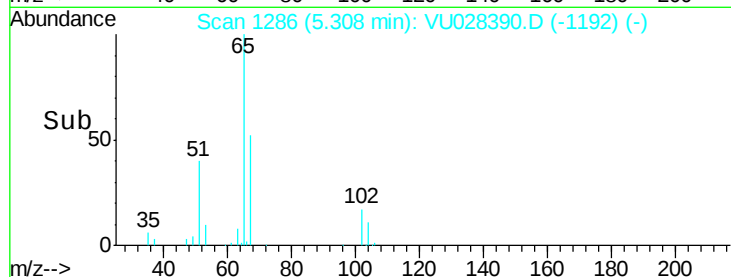
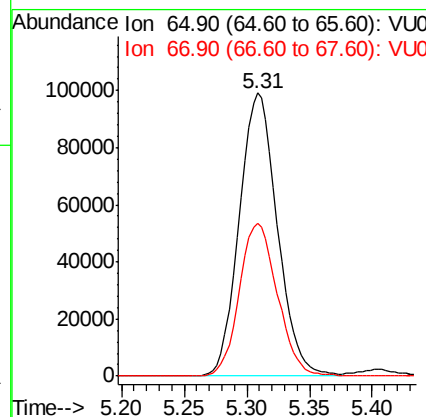
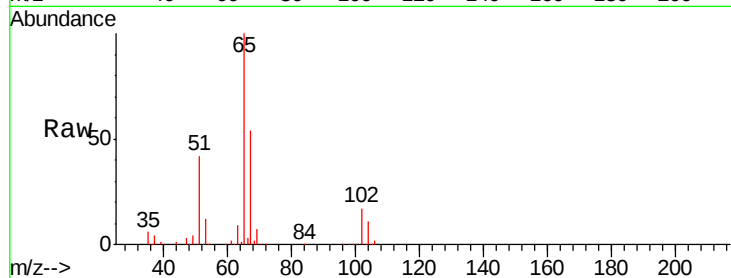
#33
 1,2-Dichloroethane-d4
 Concen: 50.283 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	209484		
67	54.0	0.0	106.8	

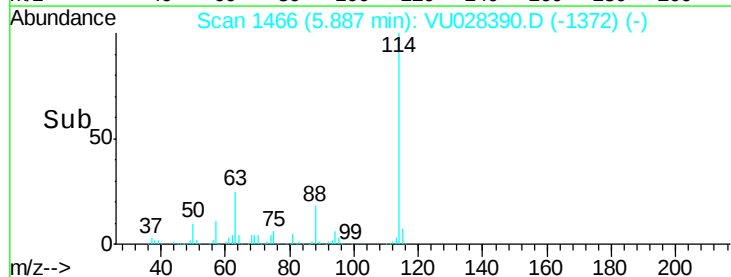
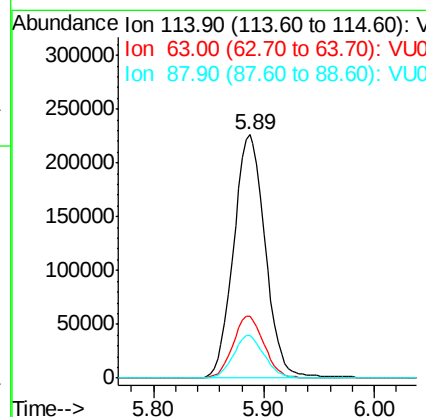
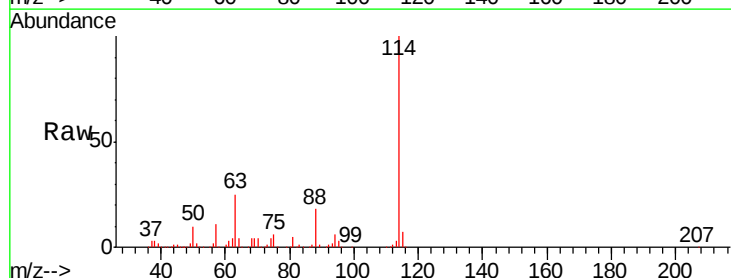
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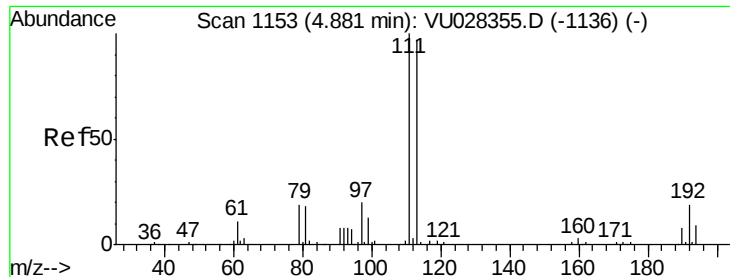
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	450338		
63	25.5	0.0	50.0	
88	17.6	0.0	34.4	





#35

Dibromofluoromethane

Concen: 49.016 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

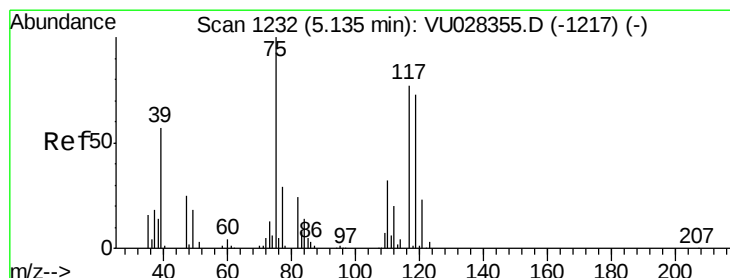
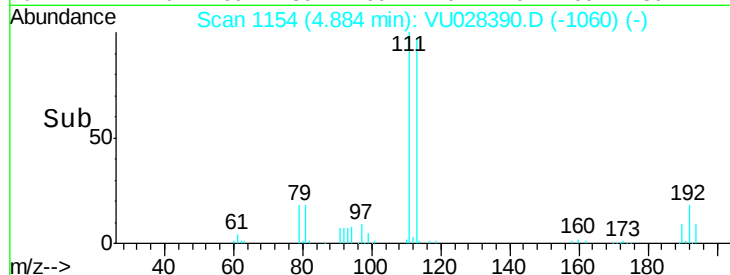
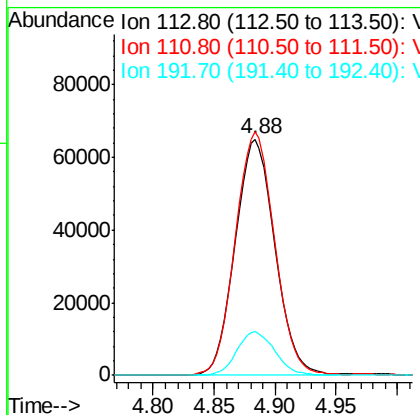
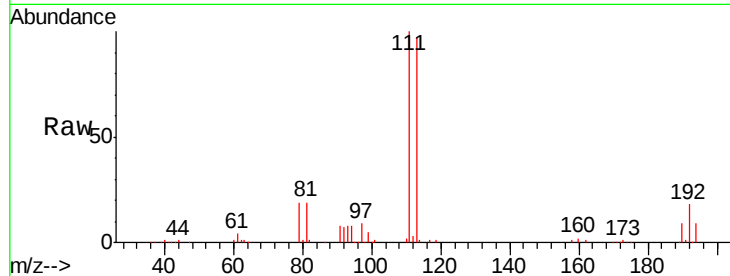
ClientSampleId :

VU1129WBS01

Tgt Ion:	113	Resp:	146782
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.9	124.3
192	17.8	15.4	23.0

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#36

1,1-Dichloropropene

Concen: 19.380 ug/l

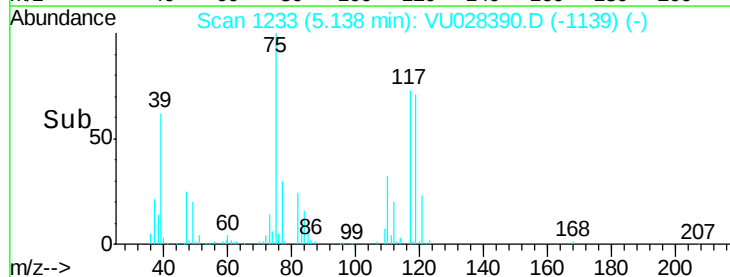
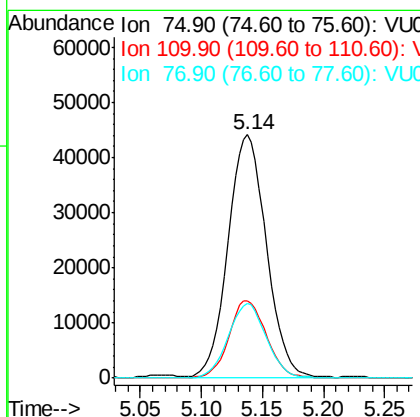
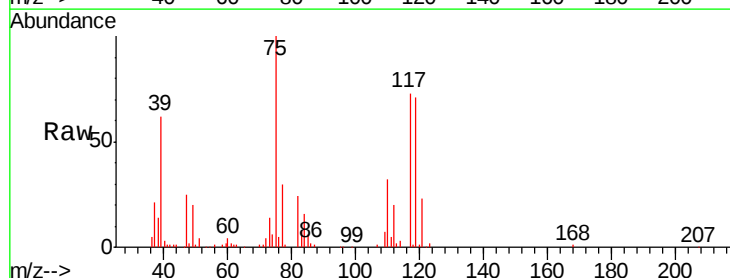
RT: 5.14 min Scan# 1233

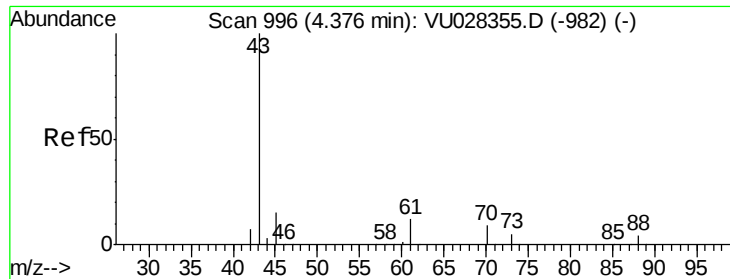
Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	75	Resp:	95505
Ion Ratio	Lower	Upper	
75	100		
110	31.4	15.8	47.4
77	30.8	24.6	36.8





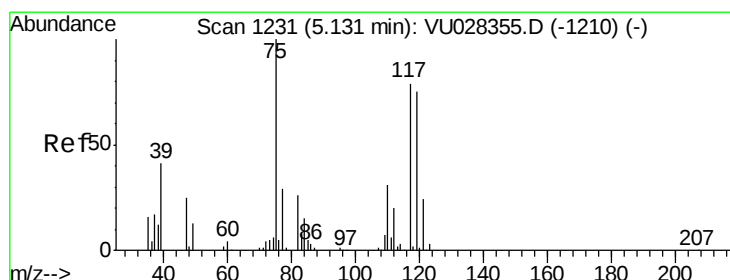
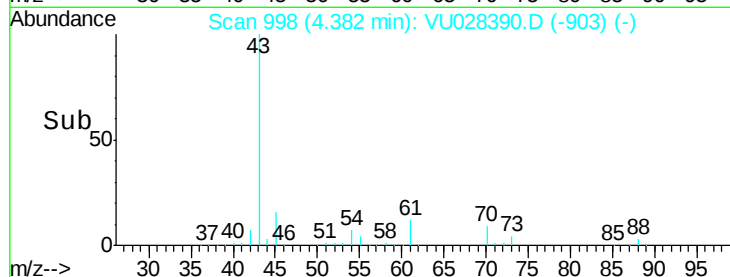
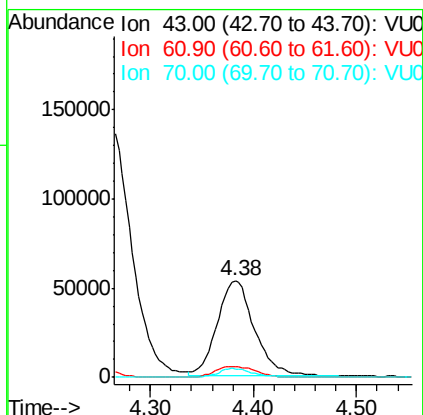
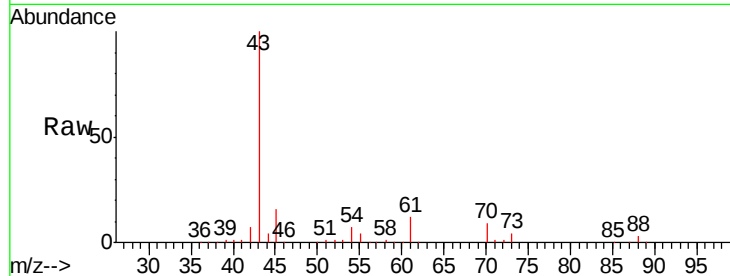
#37
Ethyl Acetate
Concen: 20.054 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.01 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.8	10.2	15.4
70	9.0	6.9	10.3

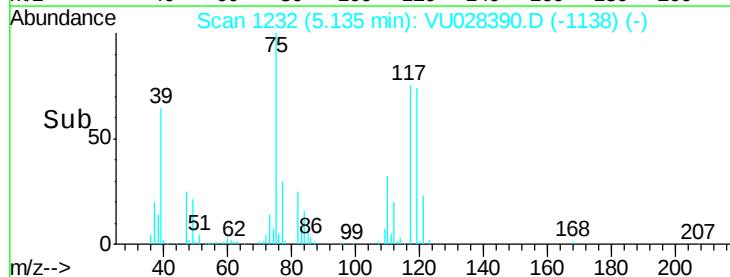
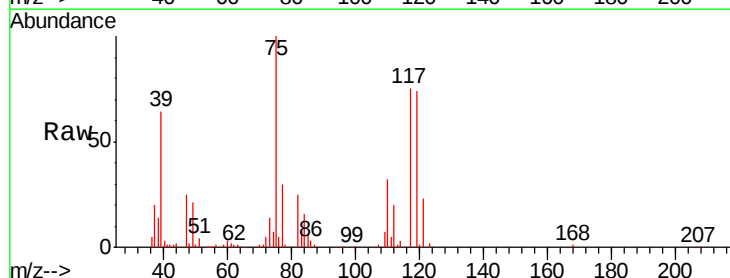
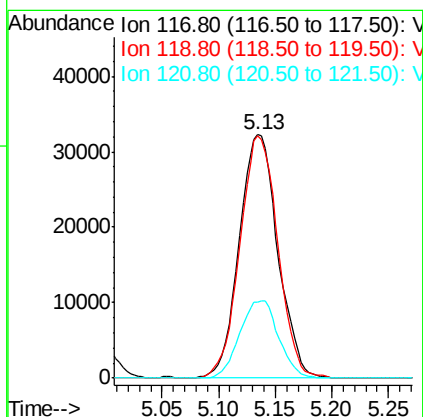
Manual Integrations
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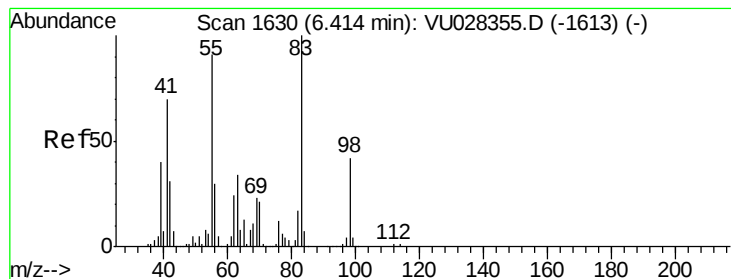
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#38
Carbon Tetrachloride
Concen: 18.965 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.3	114.5
121	31.3	24.7	37.1





#39

Methylcyclohexane

Concen: 19.075 ug/l

RT: 6.41 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 83 Resp: 110828

Ion Ratio Lower Upper

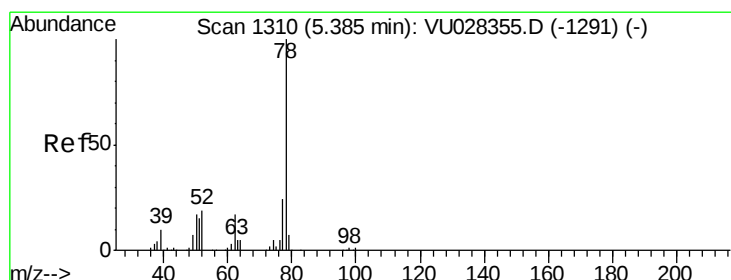
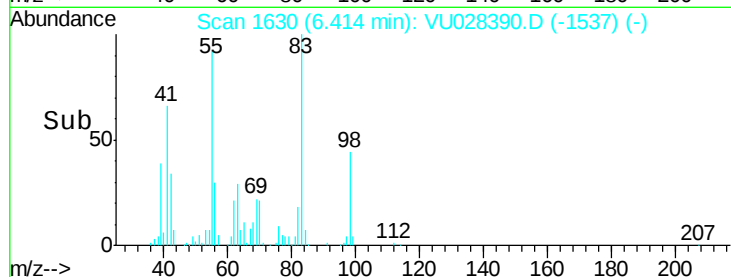
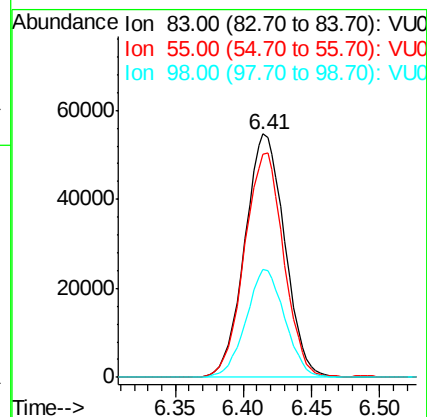
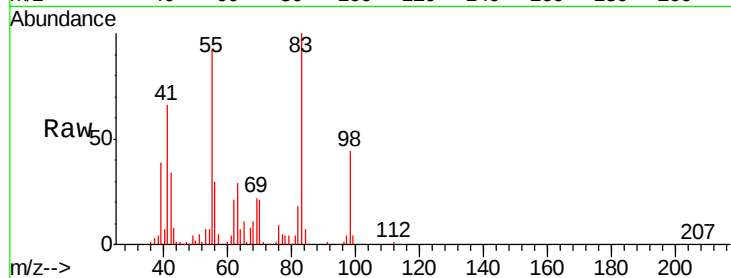
83 100

55 91.7 73.1 109.7

98 44.1 33.9 50.9

Manual Integrations
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#40

Benzene

Concen: 19.721 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VU028390.D

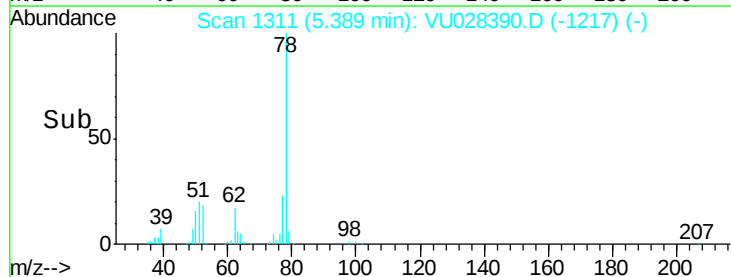
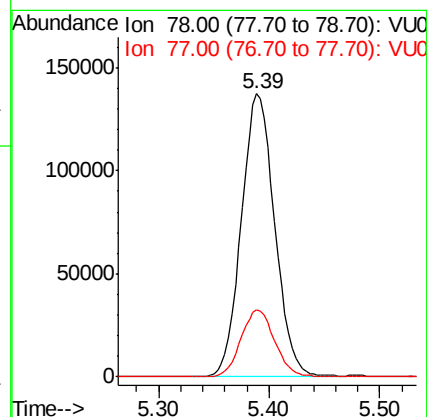
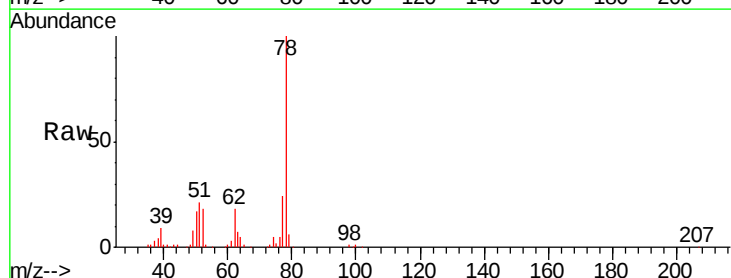
Acq: 29 Nov 2018 13:51

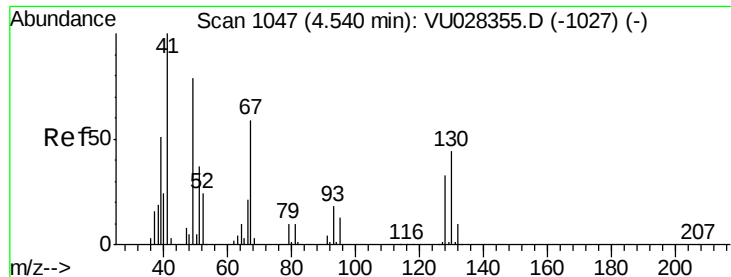
Tgt Ion: 78 Resp: 287842

Ion Ratio Lower Upper

78 100

77 23.5 19.0 28.6





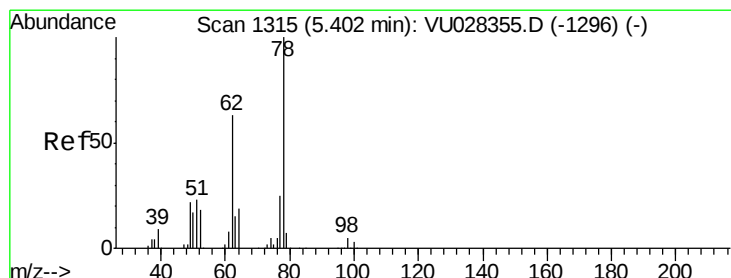
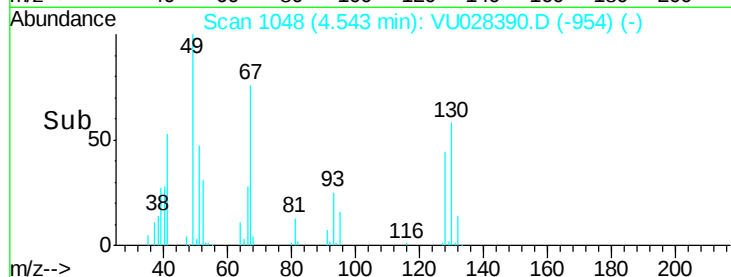
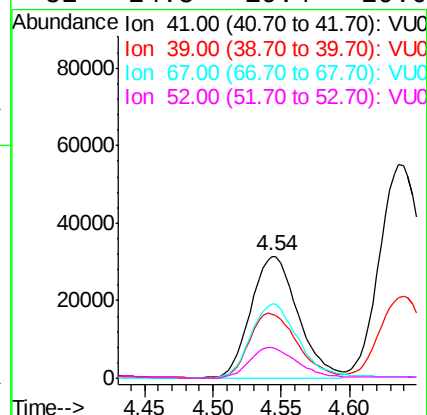
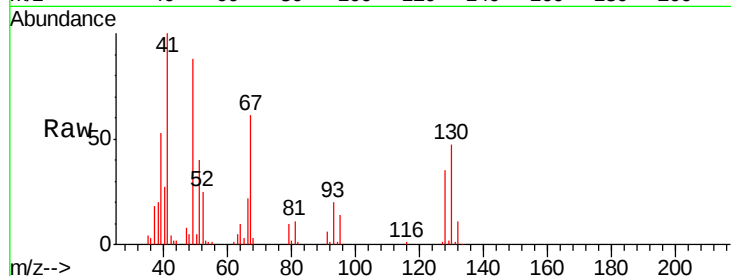
#41
Methacrylonitrile
Concen: 20.325 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	41.3	61.9	
67	62.3	48.6	73.0	
52	24.5	19.4	29.0	

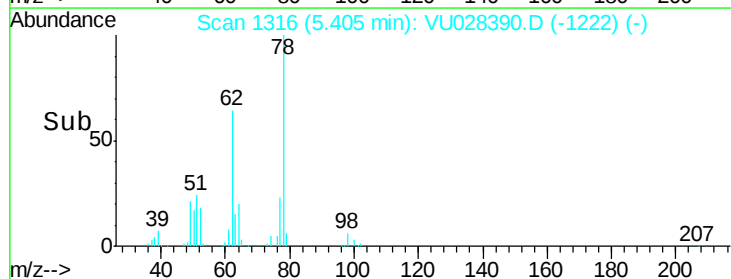
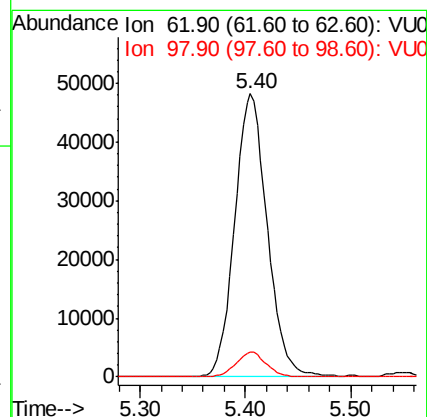
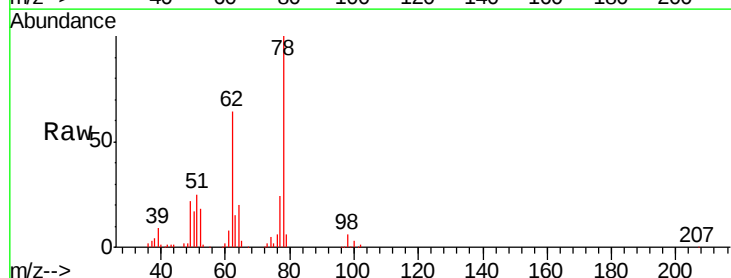
Manual Integrations
APPROVED

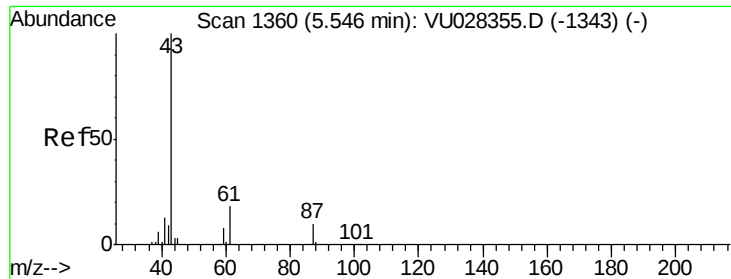
MMDadoda
11/30/2018 11:25:46 AM



#42
1,2-Dichloroethane
Concen: 19.606 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.4	





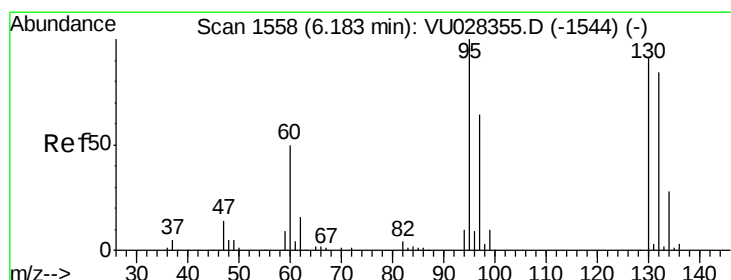
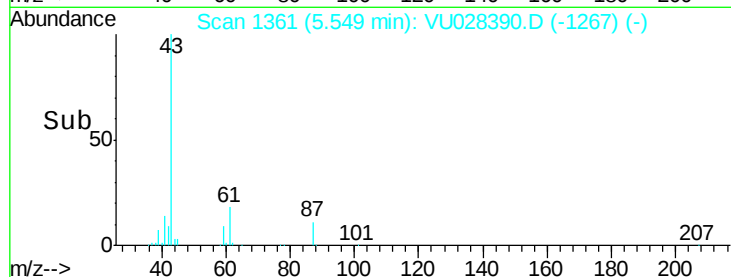
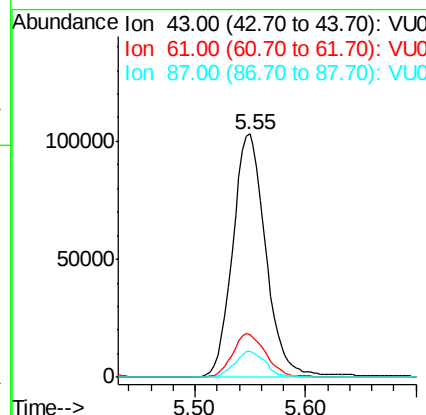
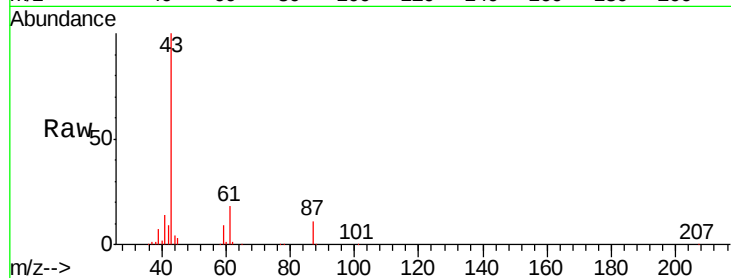
#43
Isopropyl Acetate
Concen: 20.079 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	10.2	8.4	12.6

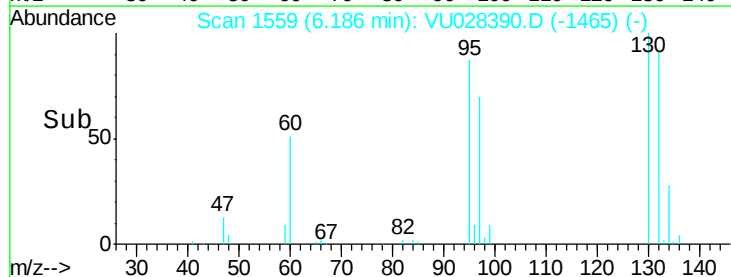
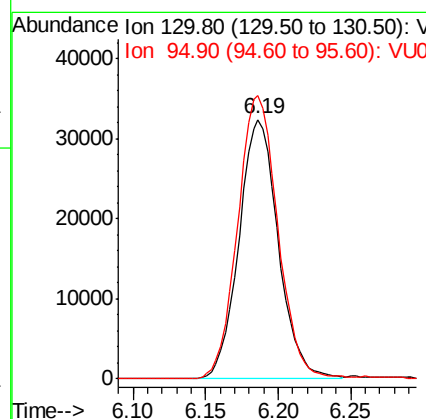
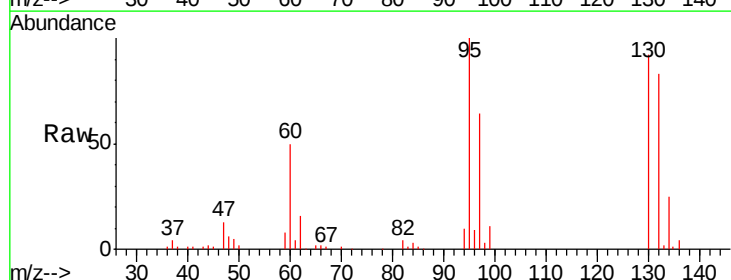
Manual Integrations
APPROVED

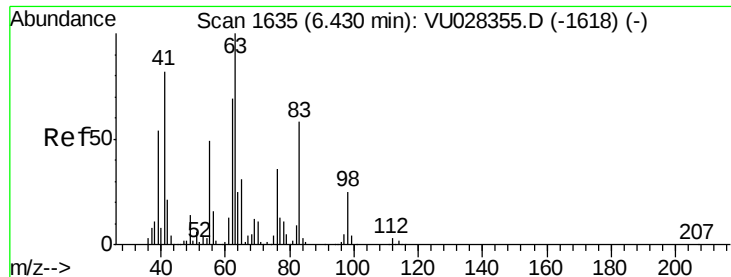
MMDadoda
11/30/2018 11:25:46 AM



#44
Trichloroethene
Concen: 19.555 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.2	0.0	219.8





#45

1,2-Dichloropropane

Concen: 20.043 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 63 Resp: 85668

Ion Ratio Lower Upper

63 100

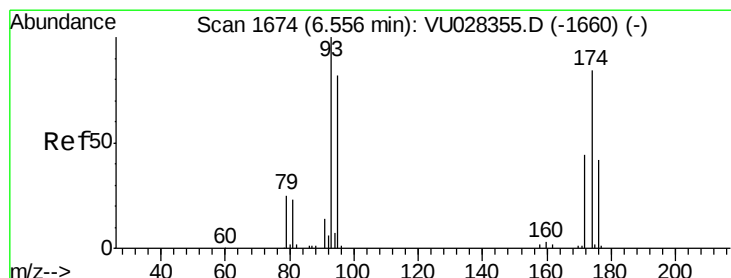
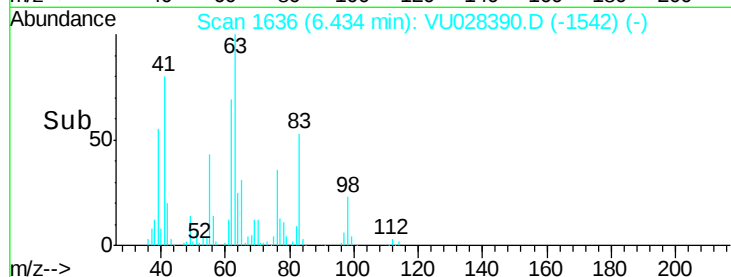
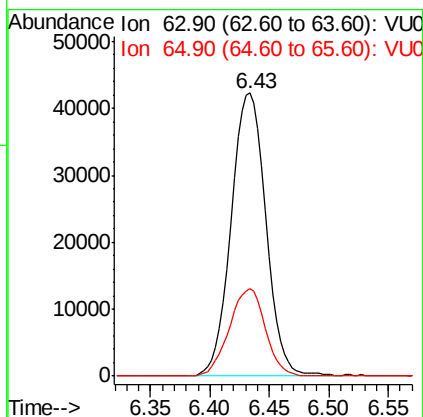
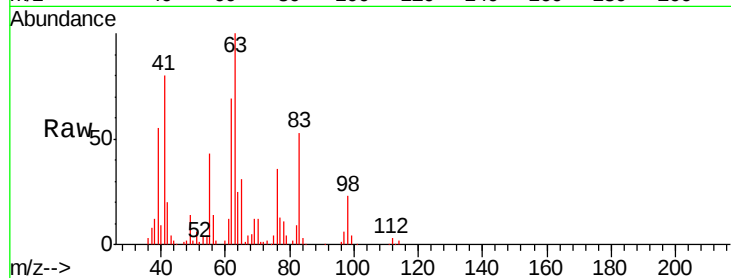
65 30.9 25.1 37.7

Manual Integrations

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#46

Dibromomethane

Concen: 19.810 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

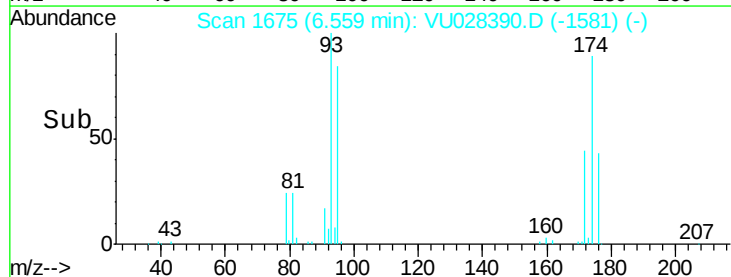
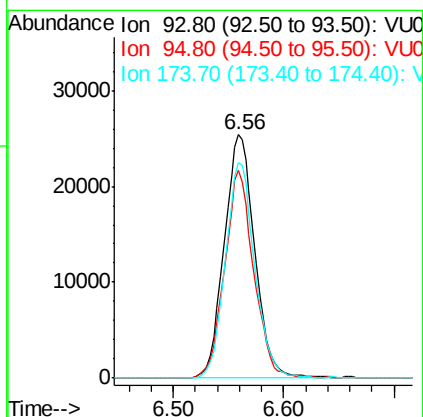
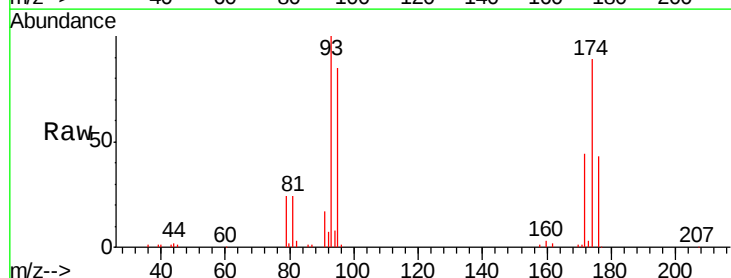
Tgt Ion: 93 Resp: 48636

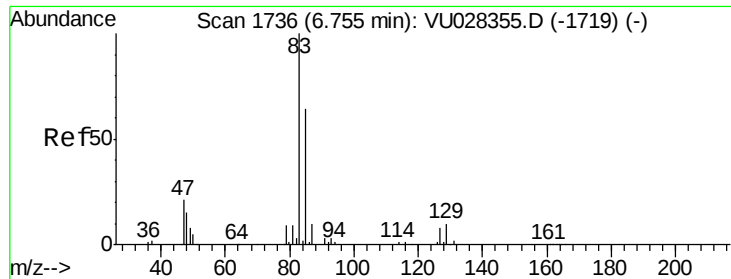
Ion Ratio Lower Upper

93 100

95 81.5 65.1 97.7

174 85.3 69.9 104.9





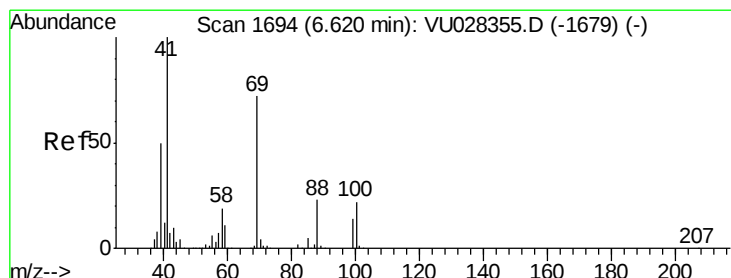
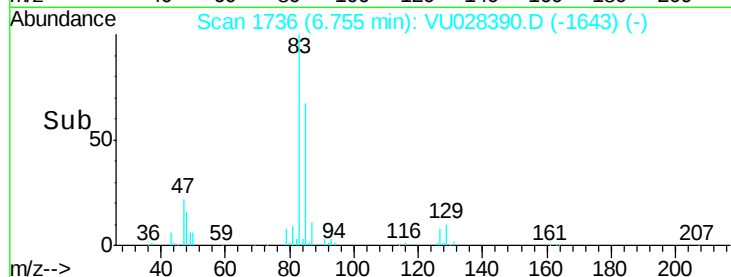
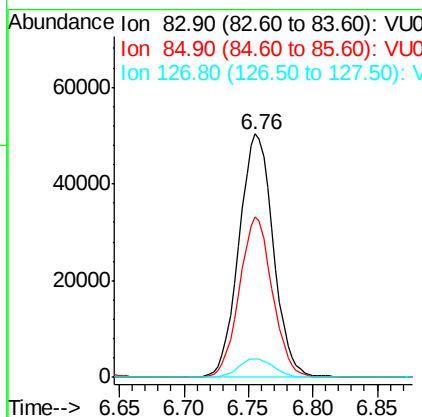
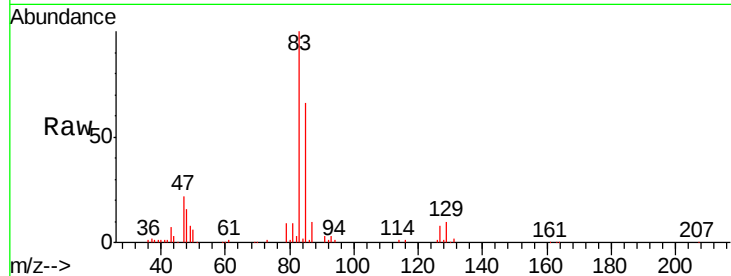
#47
Bromodichloromethane
Concen: 19.070 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3
127	7.7	6.2	9.4

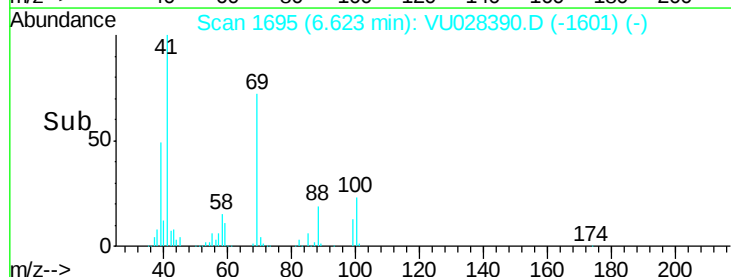
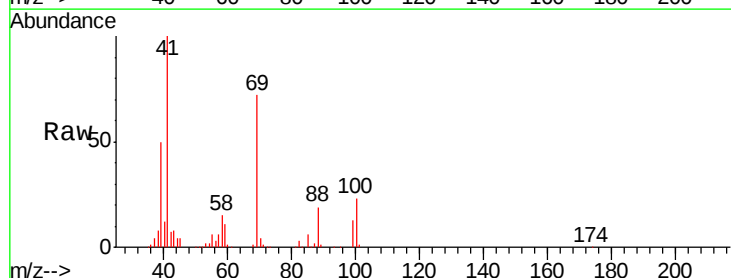
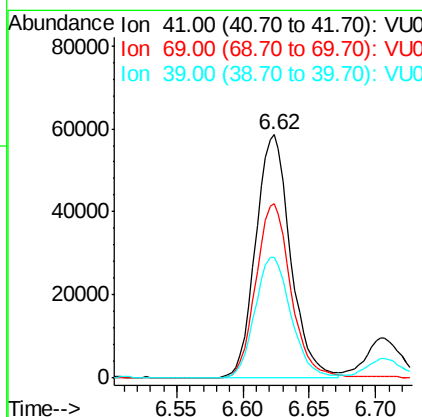
Manual Integrations
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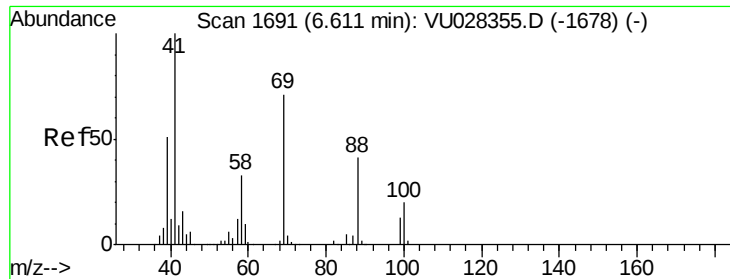
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#48
Methyl methacrylate
Concen: 19.413 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
41	100		
69	71.9	59.0	88.4
39	50.7	40.5	60.7





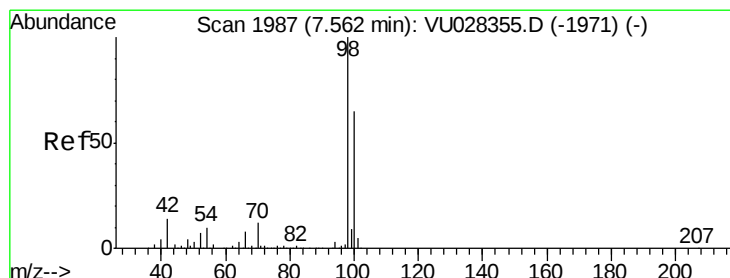
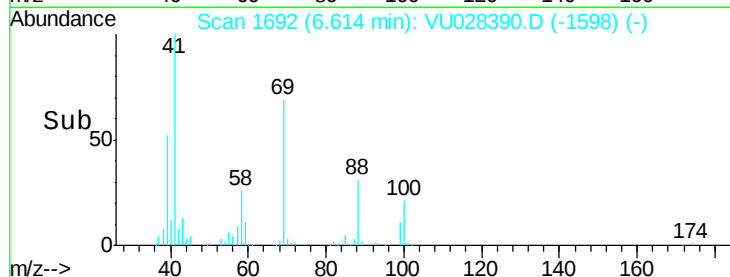
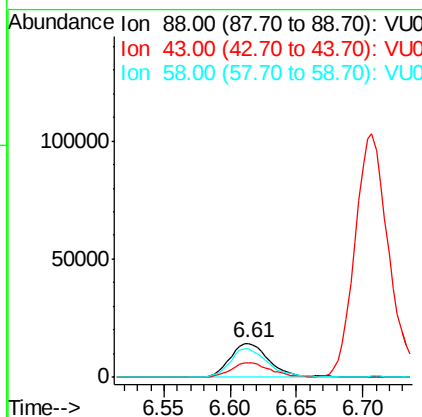
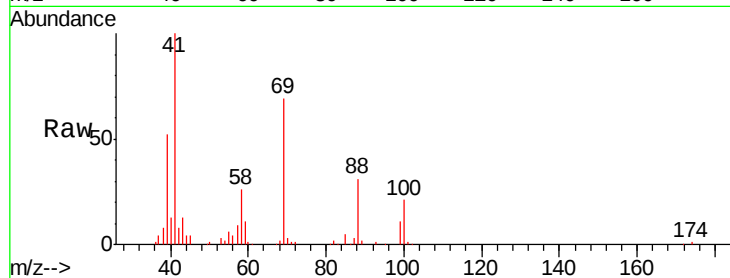
#49
1,4-Dioxane
Concen: 341.188 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion: 88 Resp: 30215
Ion Ratio Lower Upper
88 100
43 38.5 32.6 48.8
58 79.8 68.7 103.1

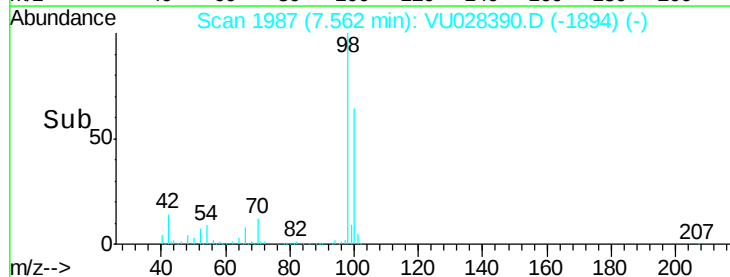
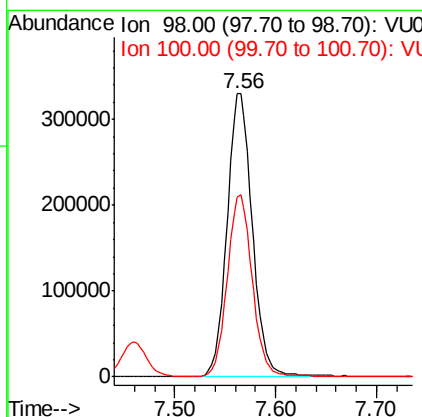
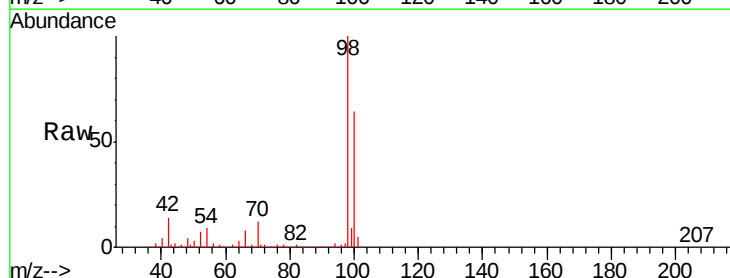
Manual Integrations
APPROVED

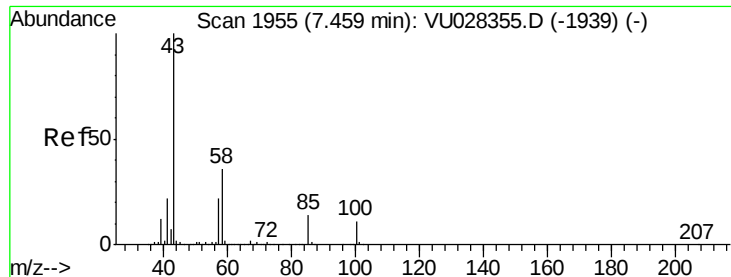
MMDadoda
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#50
Toluene-d8
Concen: 48.324 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion: 98 Resp: 578739
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 98.278 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 43 Resp: 667988

Ion Ratio Lower Upper

43 100

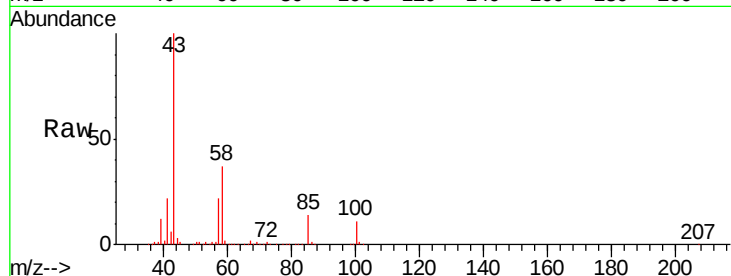
58 36.6 28.8 43.2

Manual Integrations

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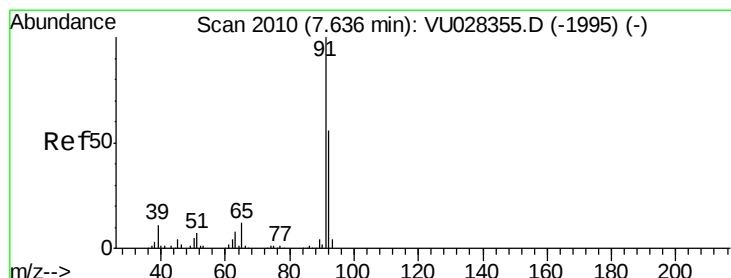
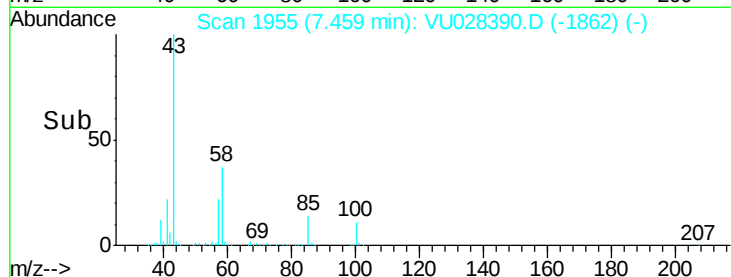
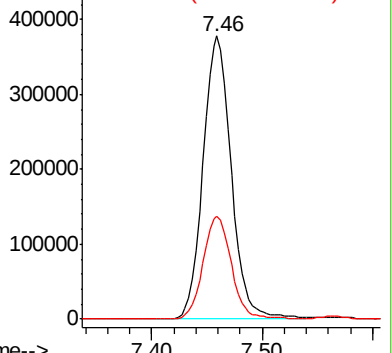
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.533 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028390.D

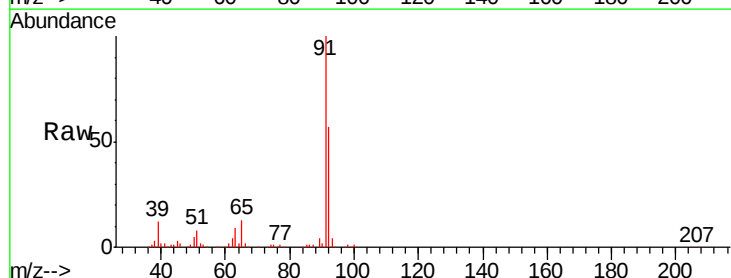
Acq: 29 Nov 2018 13:51

Tgt Ion: 92 Resp: 164174

Ion Ratio Lower Upper

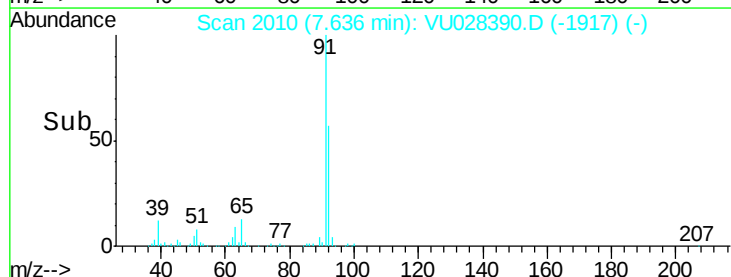
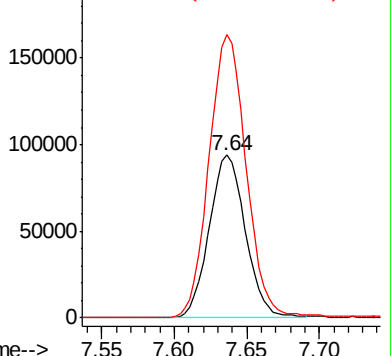
92 100

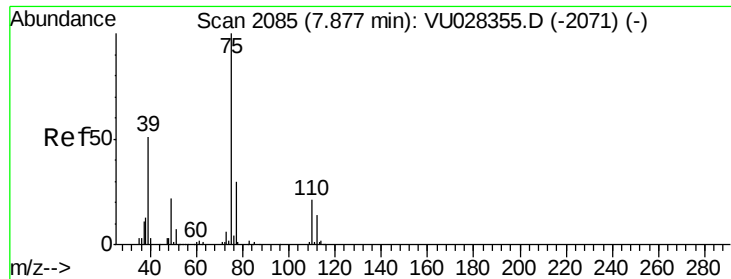
91 179.9 141.8 212.6



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





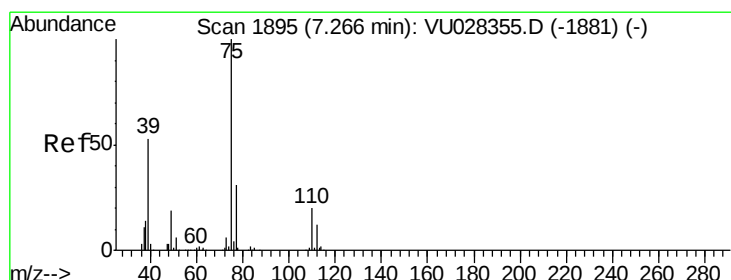
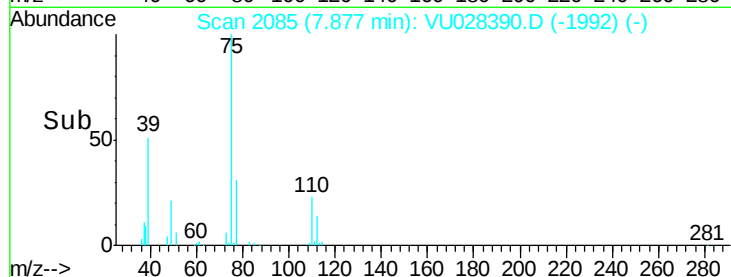
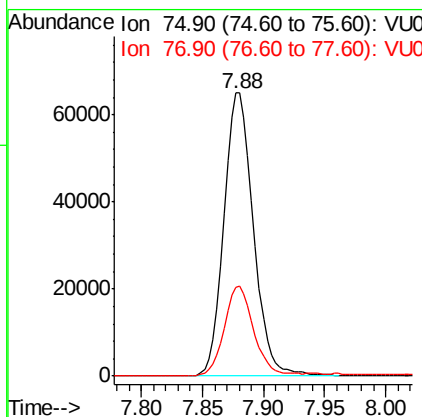
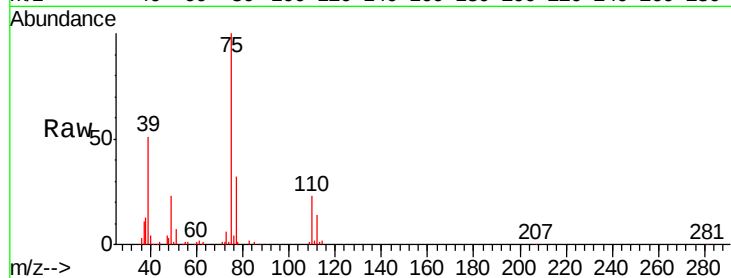
#53
t-1,3-Dichloropropene
Concen: 18.961 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion: 75 Resp: 110721
Ion Ratio Lower Upper
75 100
77 31.6 24.1 36.1

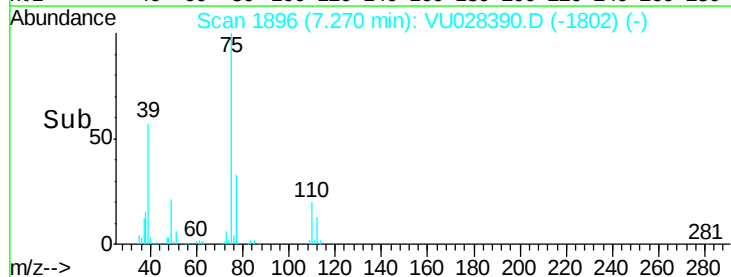
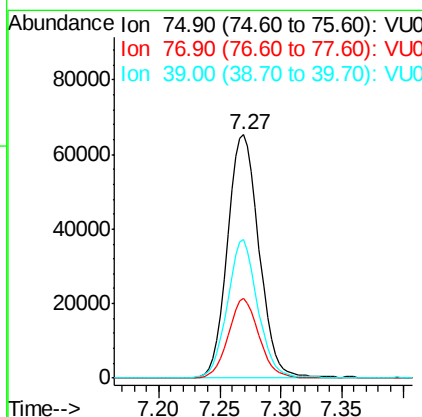
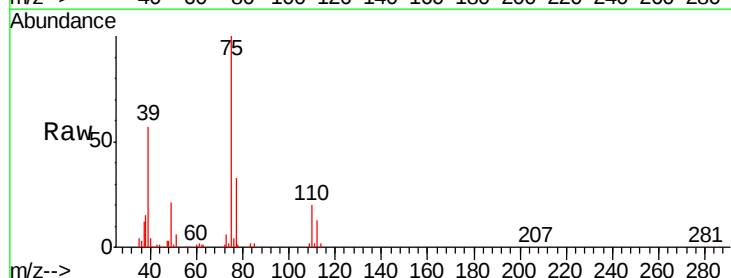
Manual Integrations
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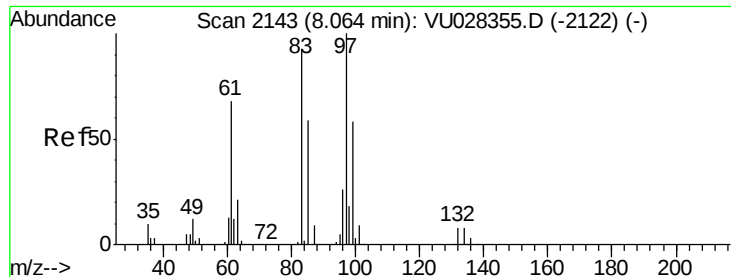
MMDadoda
11/30/2018 11:25:46 AM



#54
cis-1,3-Dichloropropene
Concen: 18.900 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion: 75 Resp: 118233
Ion Ratio Lower Upper
75 100
77 32.6 24.9 37.3
39 56.4 42.6 64.0





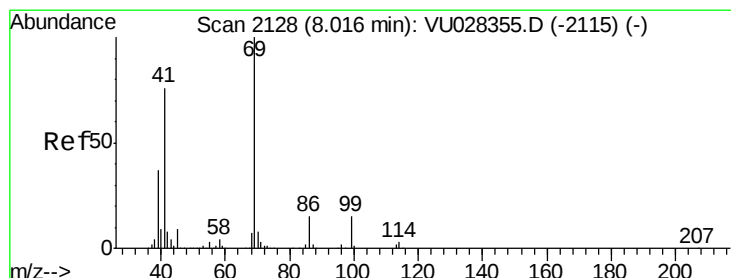
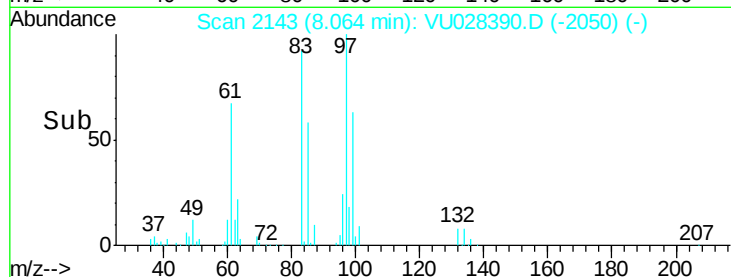
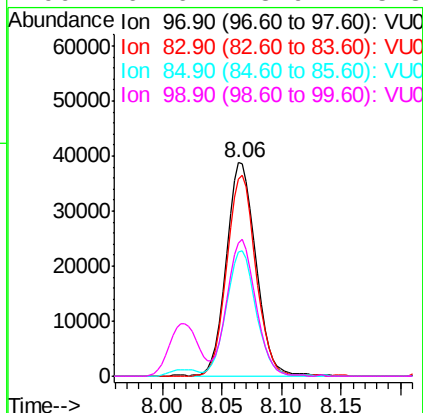
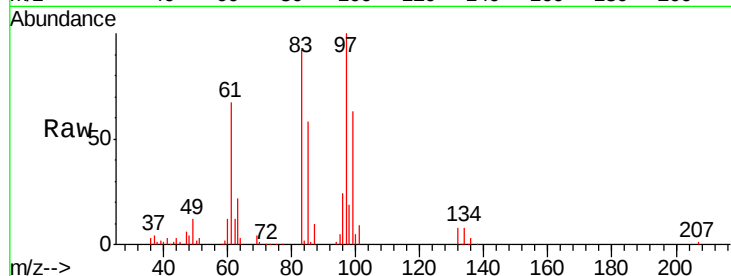
#55
 1,1,2-Trichloroethane
 Concen: 19.186 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.4	74.3	111.5
85	57.9	47.2	70.8
99	62.6	48.9	73.3

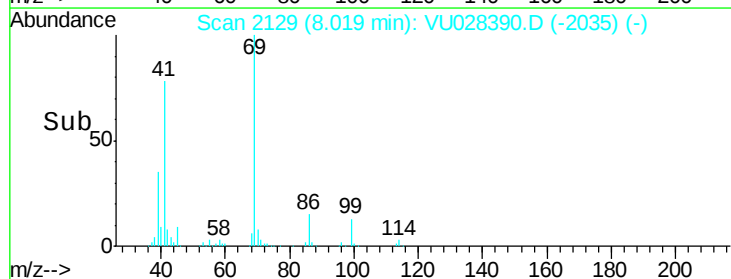
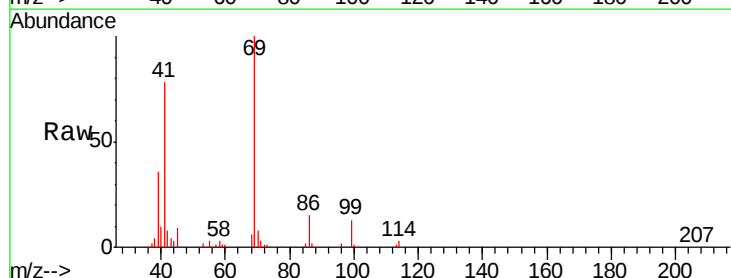
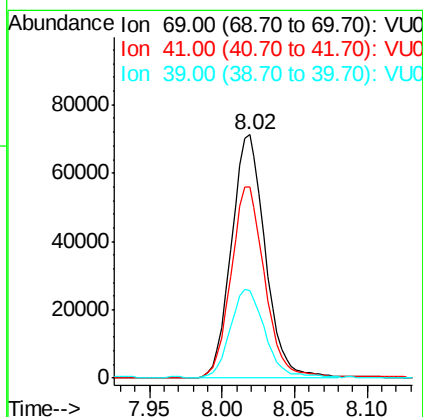
Manual Integrations
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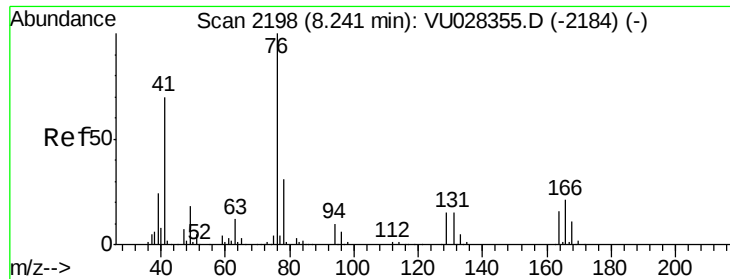
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#56
 Ethyl methacrylate
 Concen: 19.445 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	78.2	60.0	90.0
39	36.8	29.0	43.6





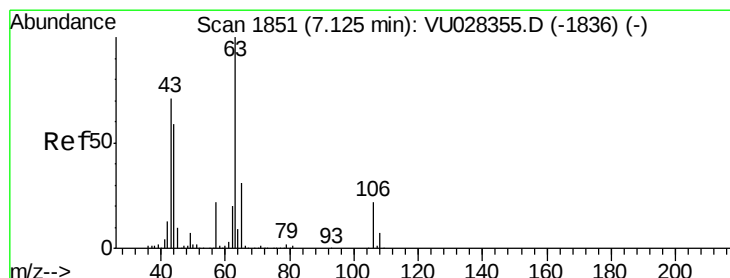
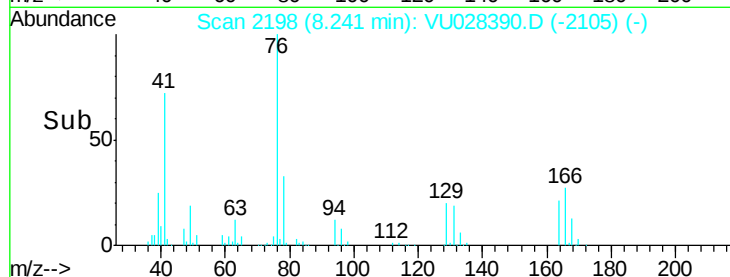
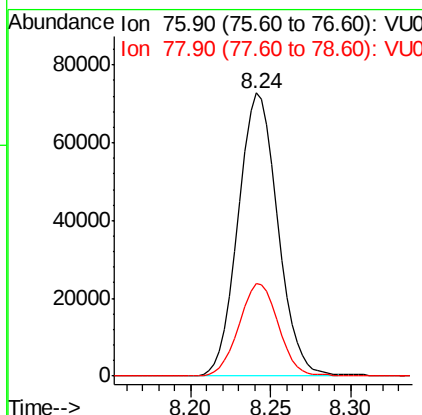
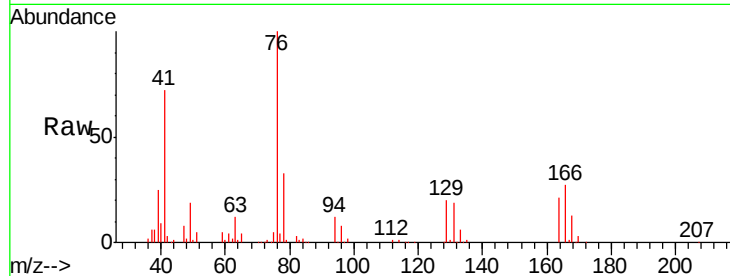
#57
 1,3-Dichloropropane
 Concen: 19.210 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion: 76 Resp: 123230
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.0

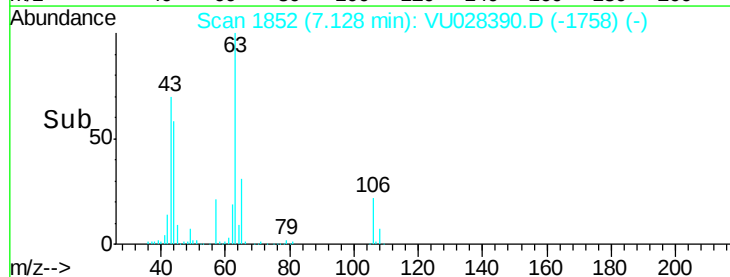
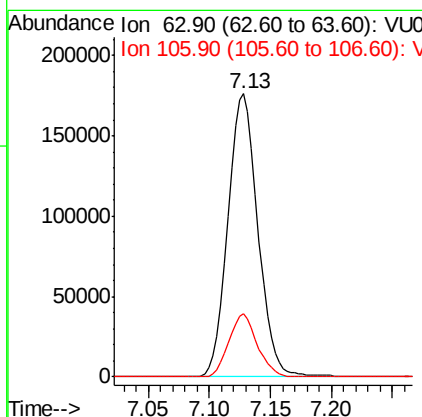
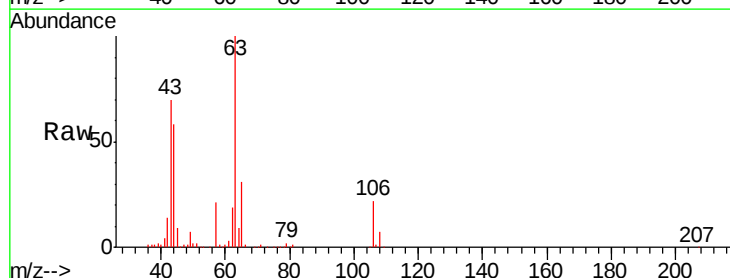
Manual Integrations
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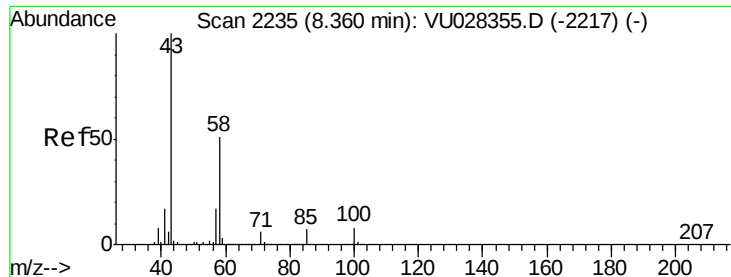
MMDadoda
 11/30/2018 11:25:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.713 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion: 63 Resp: 302598
 Ion Ratio Lower Upper
 63 100
 106 21.4 17.3 25.9





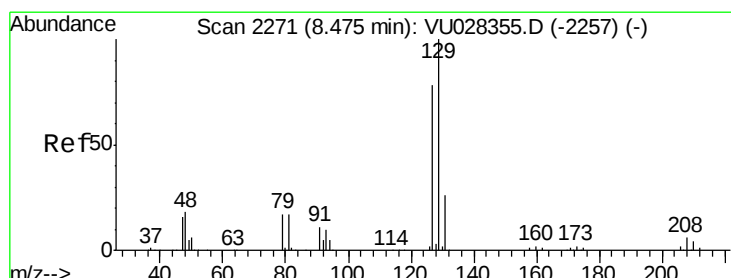
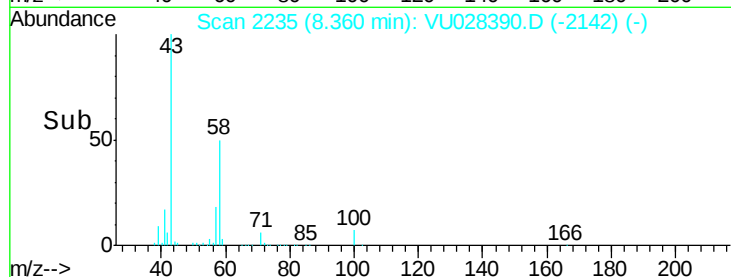
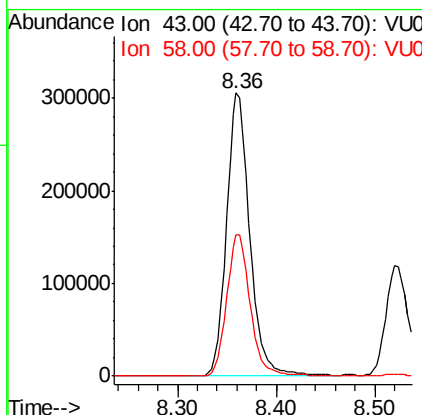
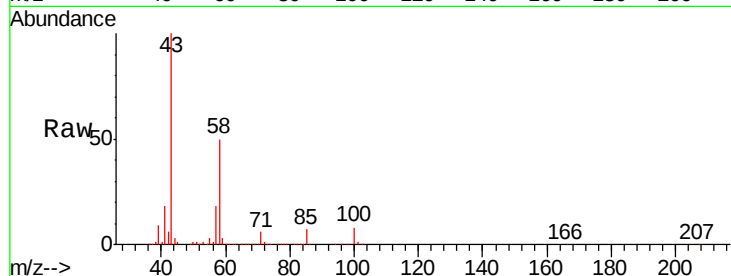
#59
2-Hexanone
Concen: 95.478 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WS01

Tgt Ion: 43 Resp: 502685
Ion Ratio Lower Upper
43 100
58 50.8 25.5 76.5

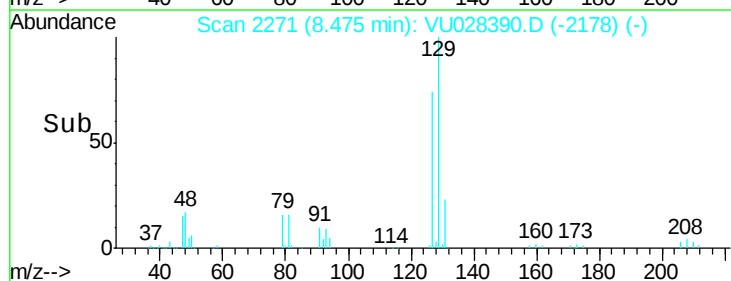
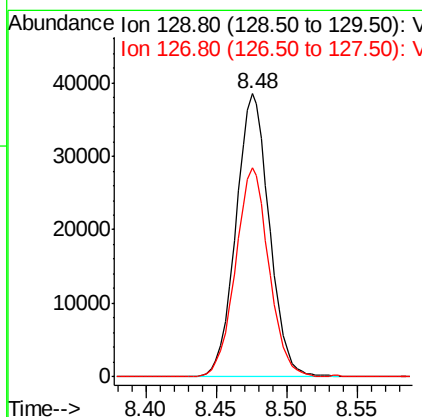
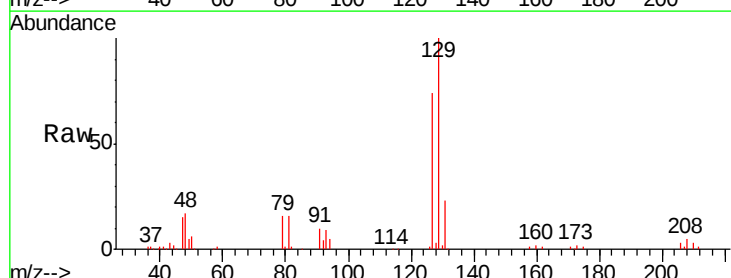
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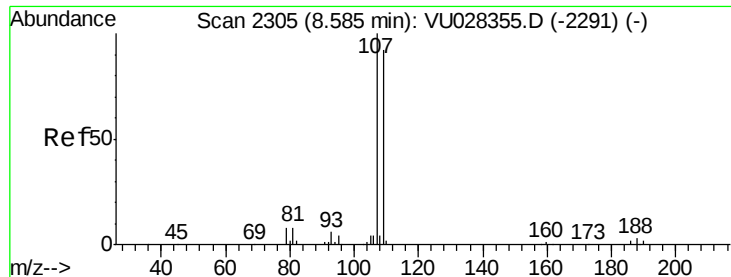
MMDadoda
11/30/2018 11:25:46 AM



#60
Dibromochloromethane
Concen: 19.200 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion: 129 Resp: 63876
Ion Ratio Lower Upper
129 100
127 73.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 20.462 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 107 Resp: 73307

Ion Ratio Lower Upper

107 100

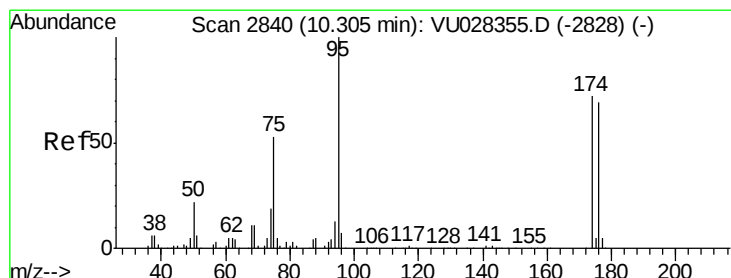
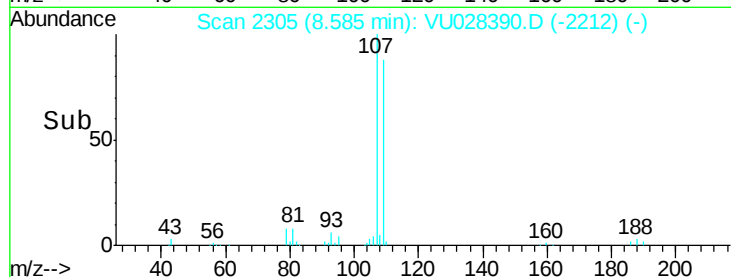
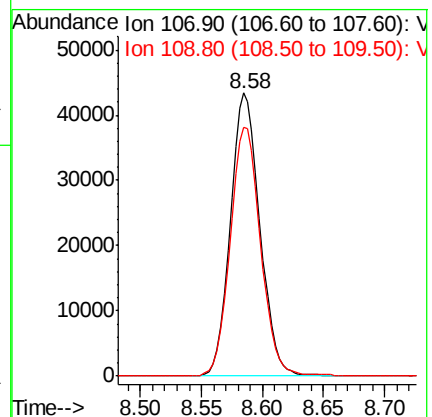
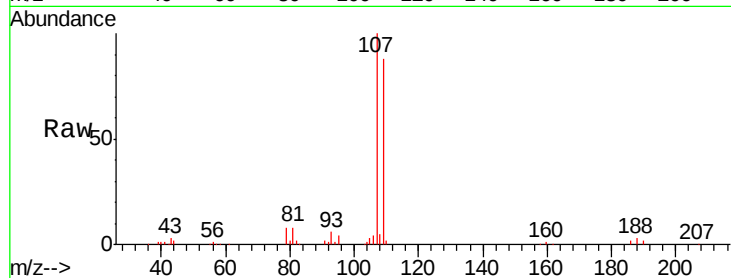
109 90.9 73.2 109.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.964 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

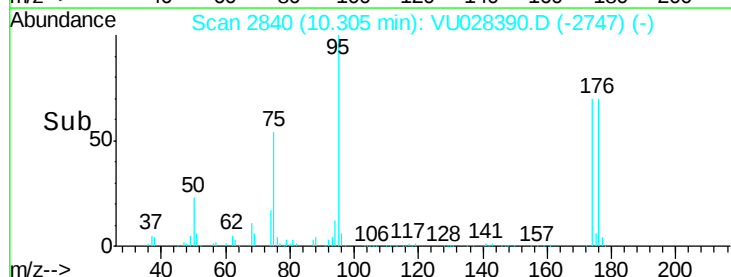
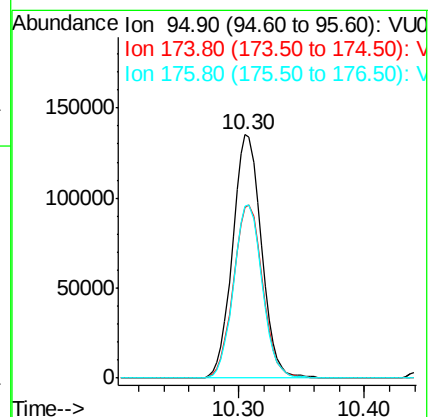
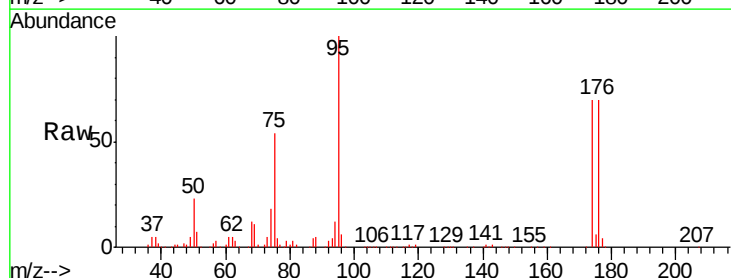
Tgt Ion: 95 Resp: 215672

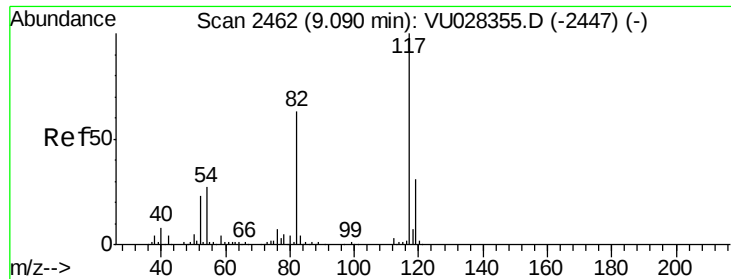
Ion Ratio Lower Upper

95 100

174 72.1 0.0 145.4

176 70.6 0.0 140.8





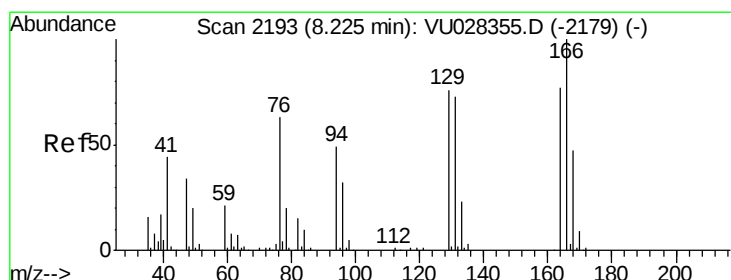
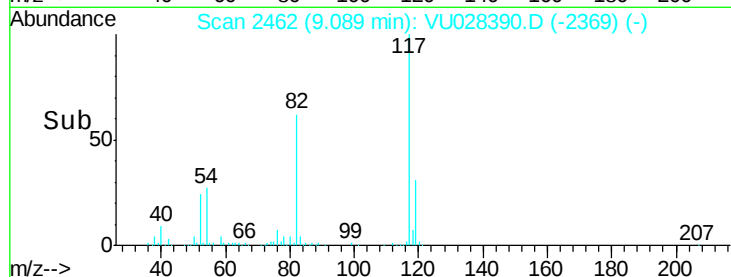
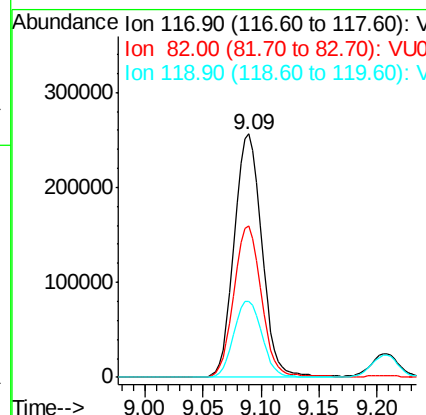
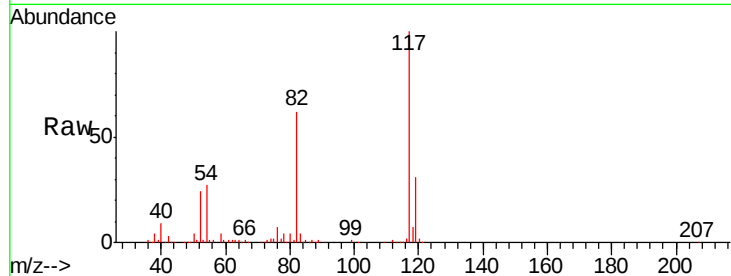
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	423472		
82	62.0	50.3	75.5	
119	31.4	24.8	37.2	

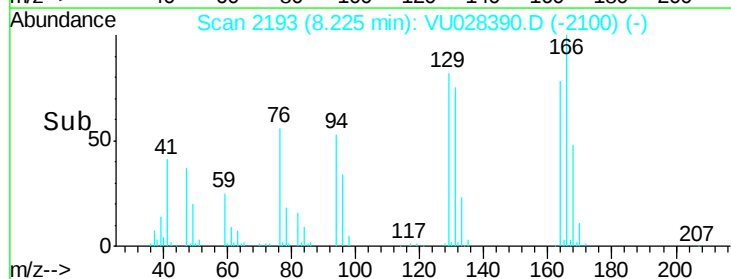
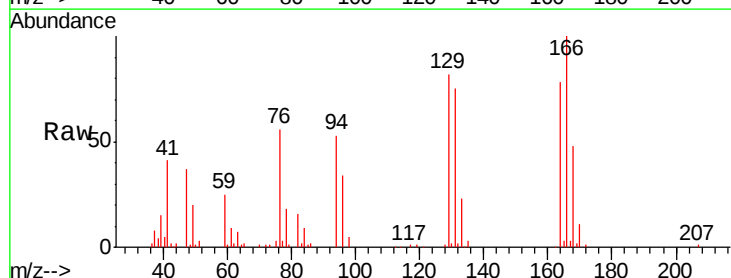
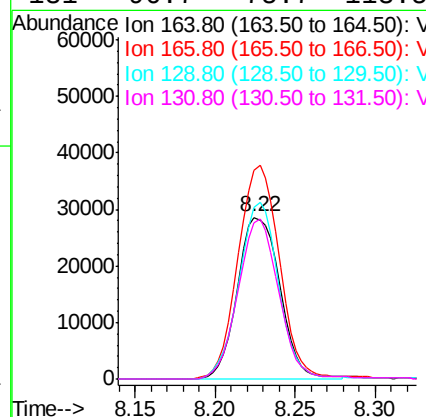
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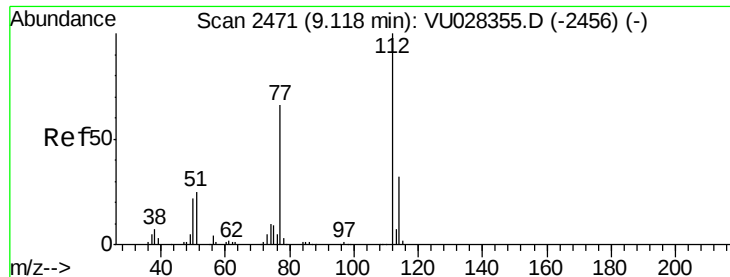
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#64
Tetrachloroethene
Concen: 18.626 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	51885		
166	129.0	104.0	156.0	
129	105.9	79.2	118.8	
131	96.7	75.7	113.5	





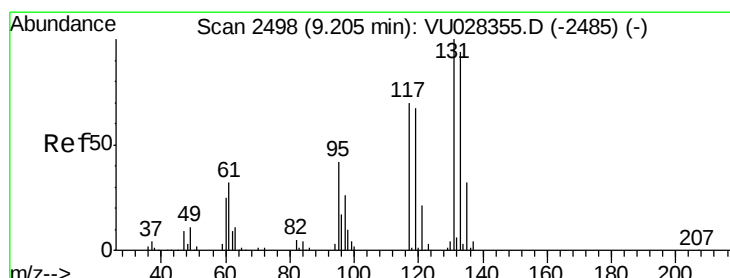
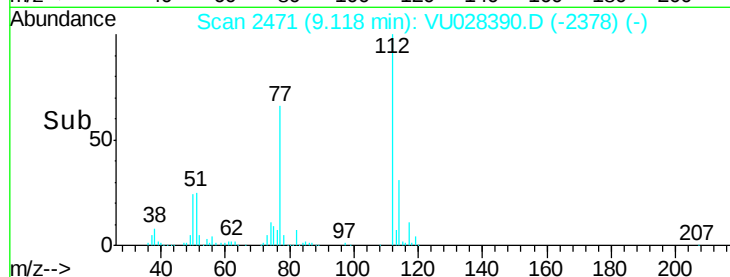
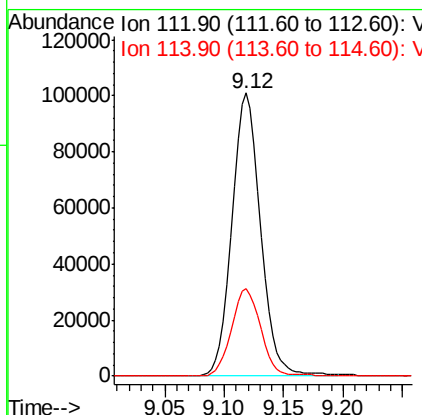
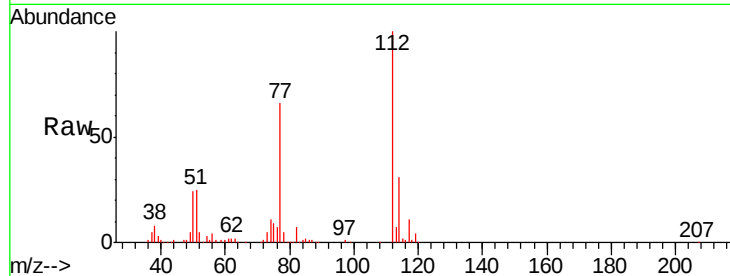
#65
Chlorobenzene
Concen: 19.159 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion:112 Resp: 168469
Ion Ratio Lower Upper
112 100
114 30.7 25.7 38.5

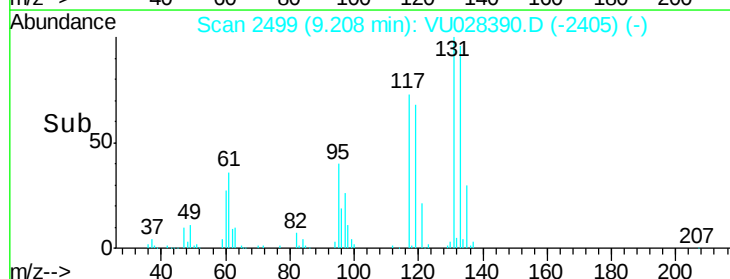
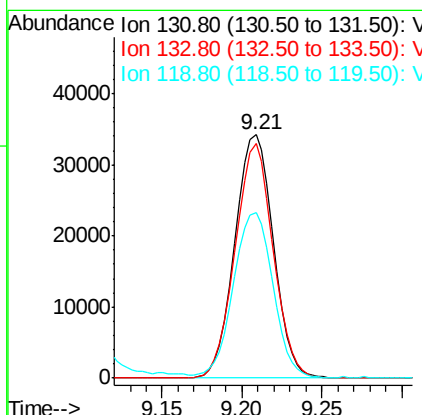
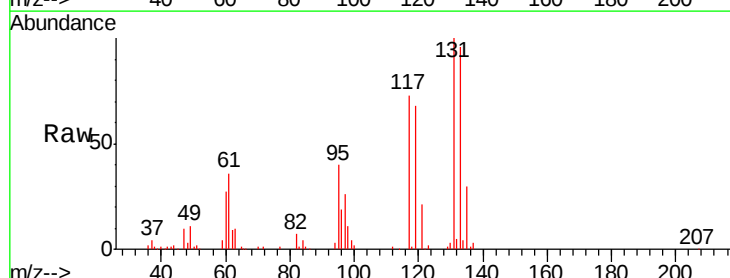
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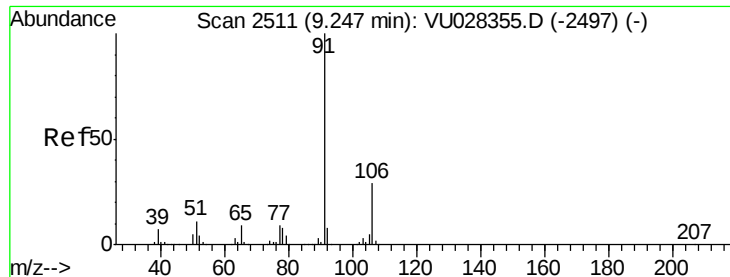
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.626 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion:131 Resp: 56140
Ion Ratio Lower Upper
131 100
133 94.8 47.3 141.8
119 70.3 34.1 102.2





#67

Ethyl Benzene

Concen: 19.302 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 91 Resp: 319668

Ion Ratio Lower Upper

91 100

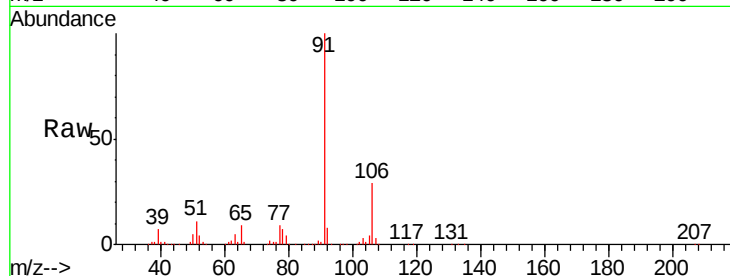
106 29.4 23.3 34.9

Manual Integrations

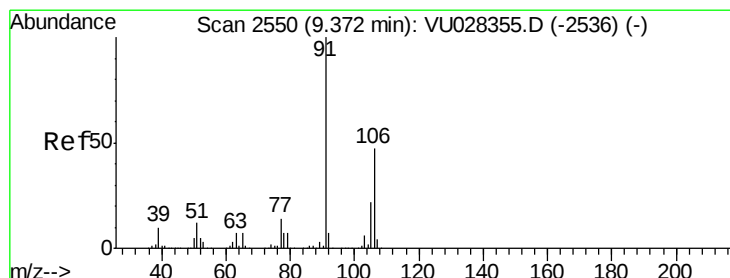
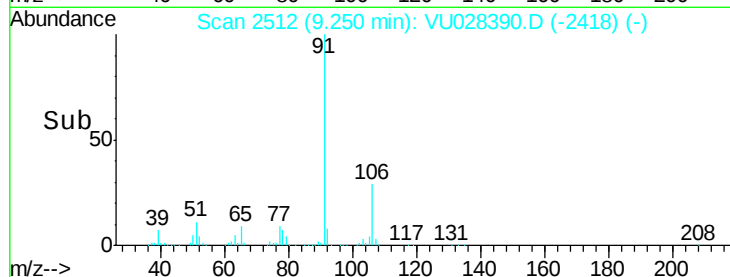
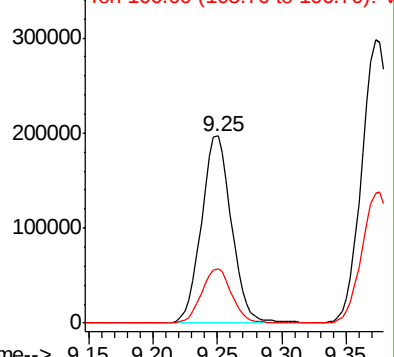
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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2497) (-)



#68

m/p-Xylenes

Concen: 38.651 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU028390.D

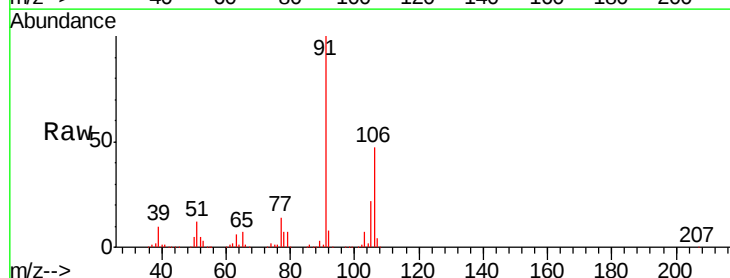
Acq: 29 Nov 2018 13:51

Tgt Ion: 106 Resp: 230393

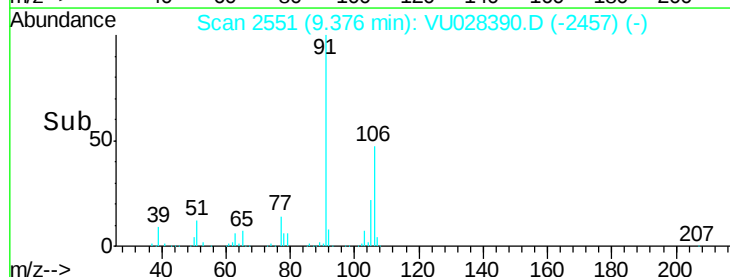
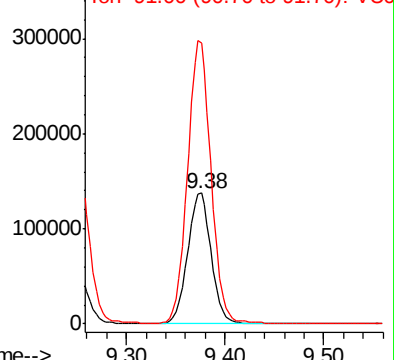
Ion Ratio Lower Upper

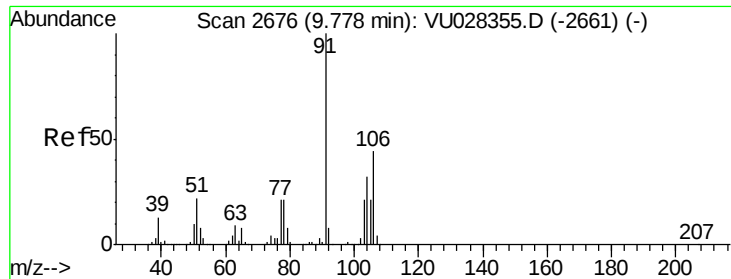
106 100

91 215.8 171.0 256.6



Abundance Ion 106.00 (105.70 to 106.70): VU028355.D (-2536) (-)





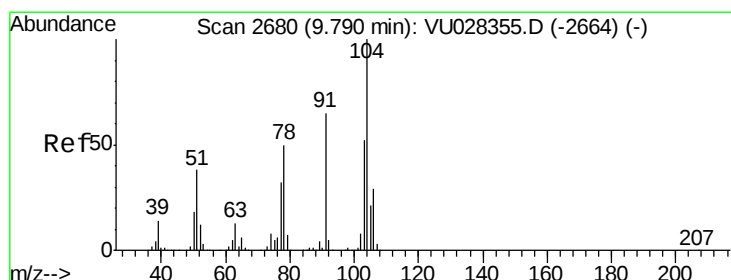
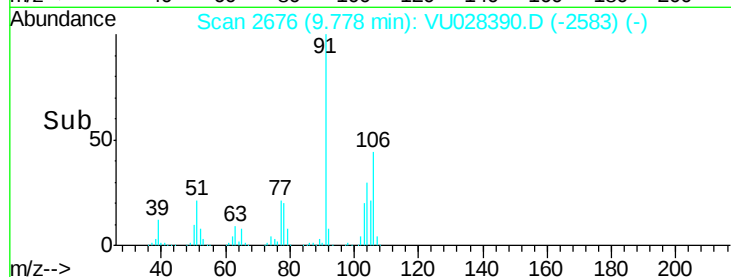
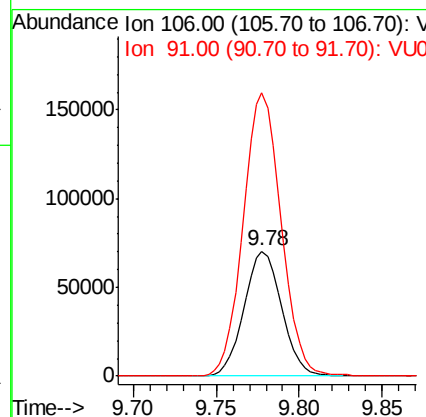
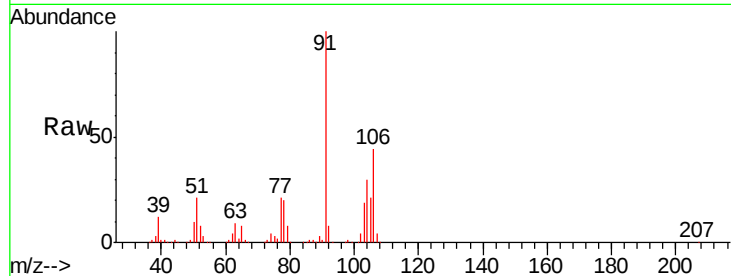
#69
o-Xylene
Concen: 18.783 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion:106 Resp: 111304
Ion Ratio Lower Upper
106 100
91 228.2 112.7 338.0

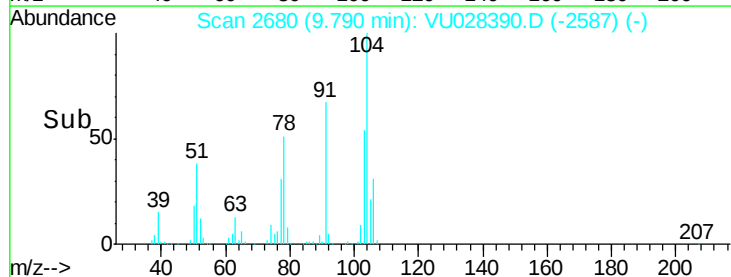
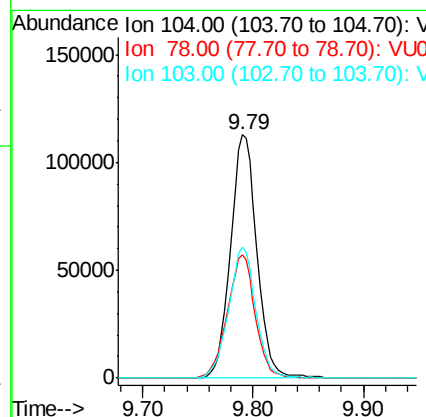
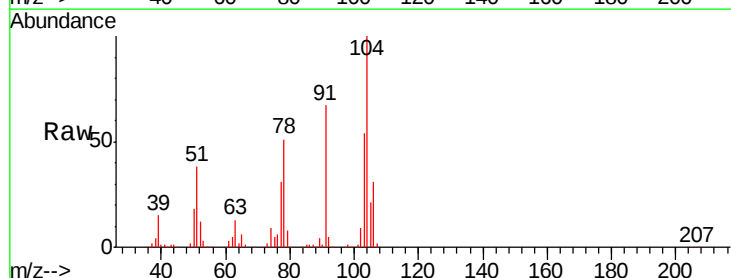
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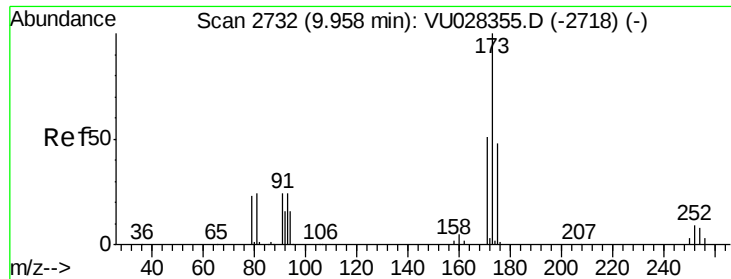
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#70
Styrene
Concen: 19.613 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion:104 Resp: 187440
Ion Ratio Lower Upper
104 100
78 53.5 43.3 64.9
103 55.3 44.8 67.2





#71

Bromoform

Concen: 19.000 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

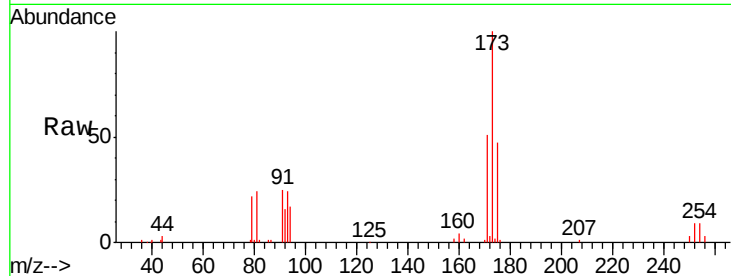
ClientSampleId :

VU1129WBS01

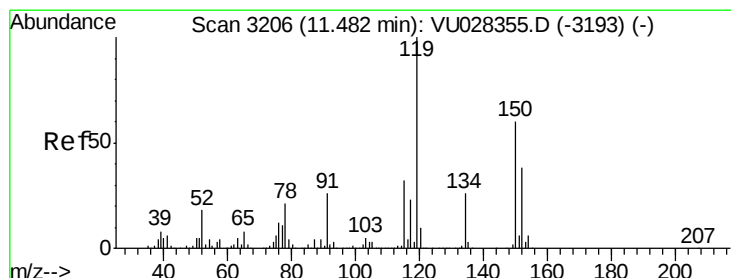
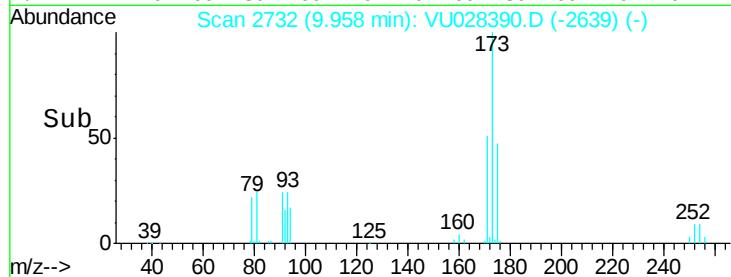
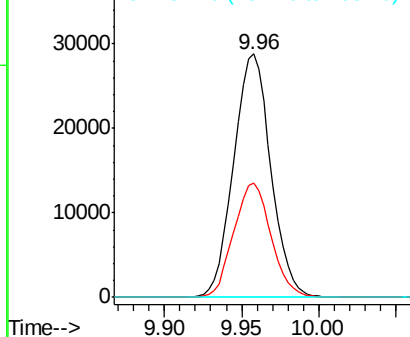
Tgt Ion:	173	Resp:	48135
Ion Ratio	Lower	Upper	
173	100		
175	47.1	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

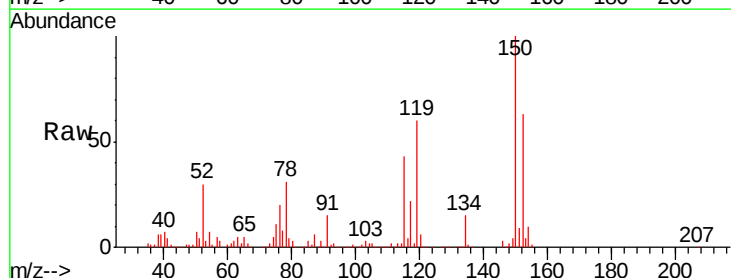
RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

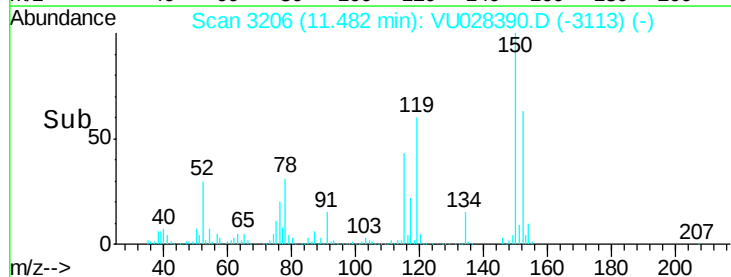
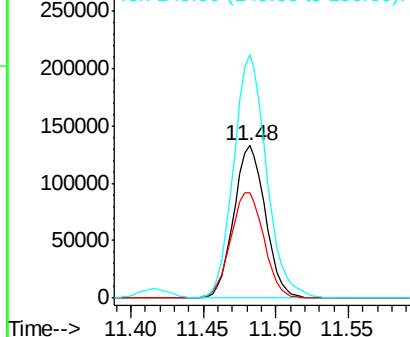
Lab File: VU028390.D

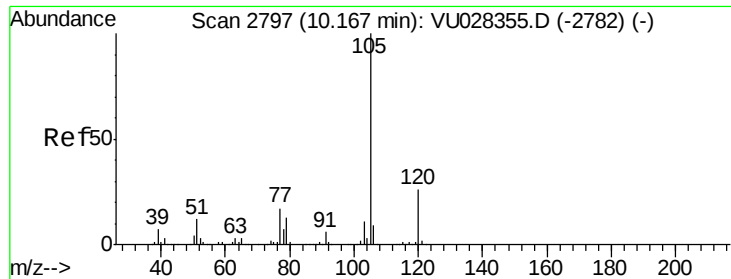
Acq: 29 Nov 2018 13:51

Tgt Ion:	152	Resp:	200976
Ion Ratio	Lower	Upper	
152	100		
115	72.9	45.0	134.8
150	166.2	0.0	349.2



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





#73

Isopropylbenzene

Concen: 19.126 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

ClientSampleId :

VU1129WBS01

Tgt Ion: 105 Resp: 298957

Ion Ratio Lower Upper

105 100

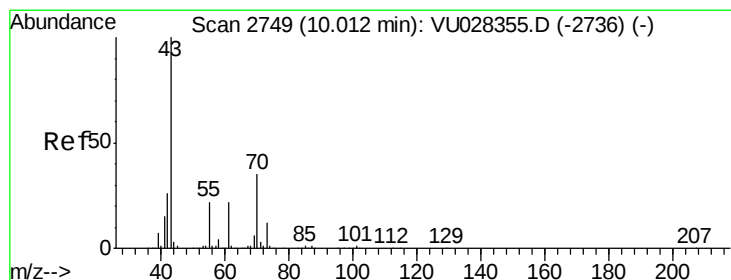
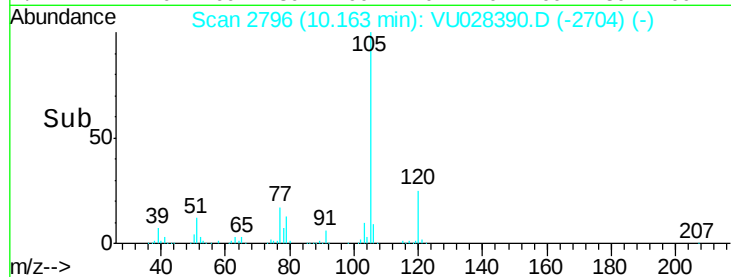
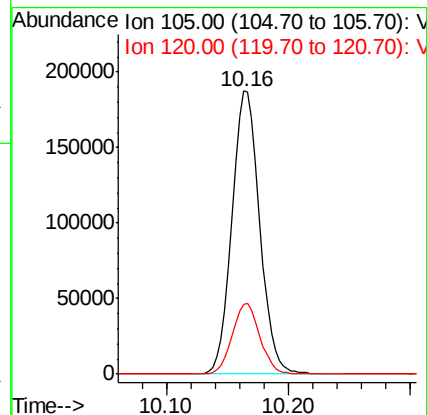
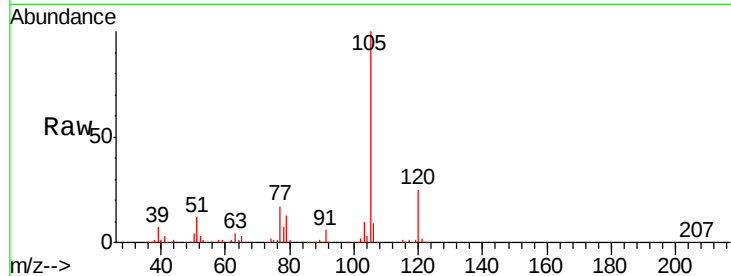
120 24.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.701 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion: 43 Resp: 183146

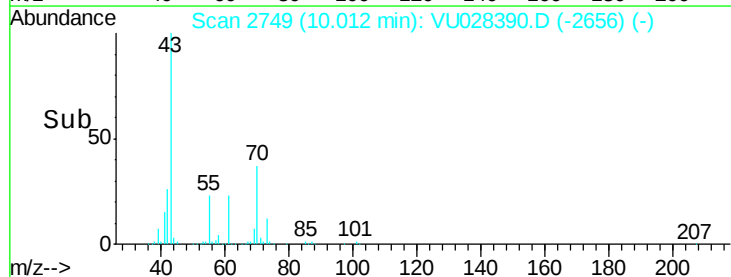
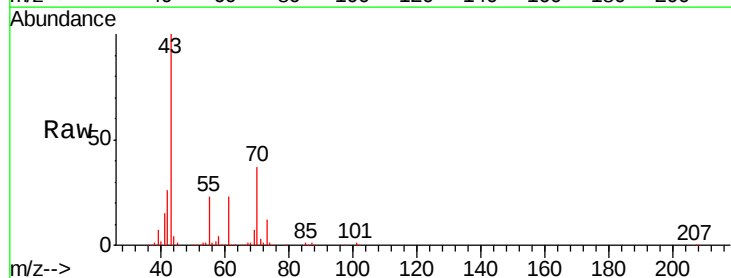
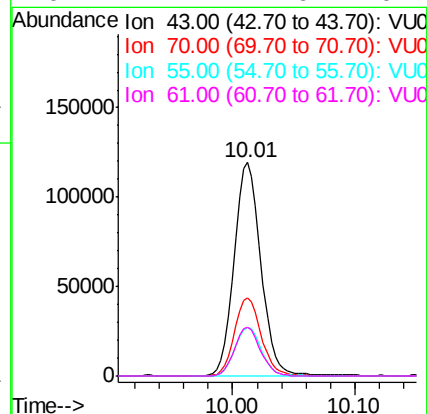
Ion Ratio Lower Upper

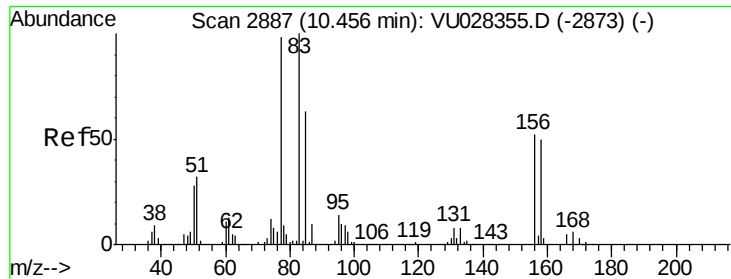
43 100

70 36.7 28.4 42.6

55 22.8 18.0 27.0

61 22.2 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.011 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

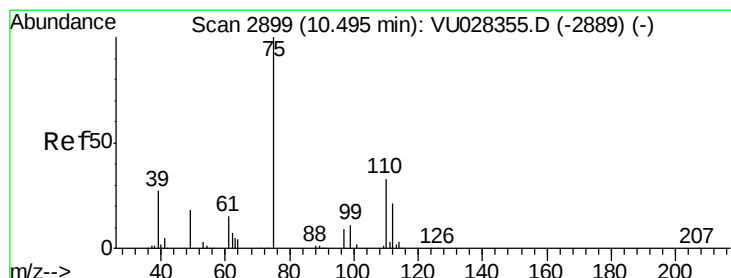
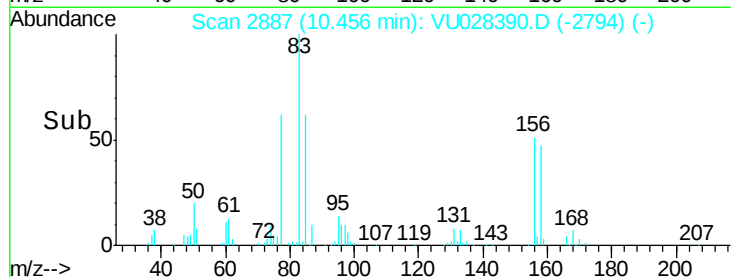
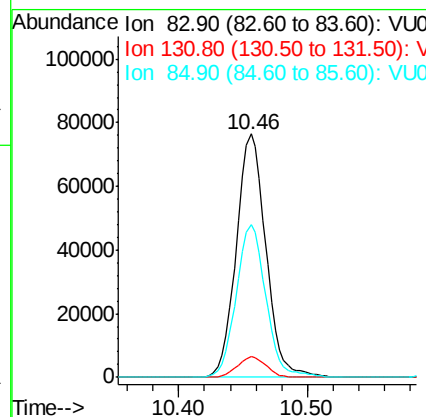
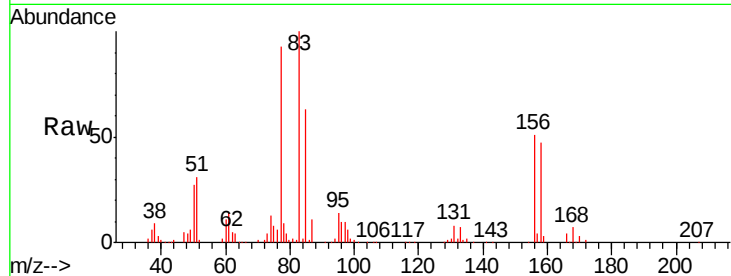
ClientSampleId :

VU1129WBS01

Tgt Ion:	83	Resp:	122201
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.2
85	62.9	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.674 ug/l m

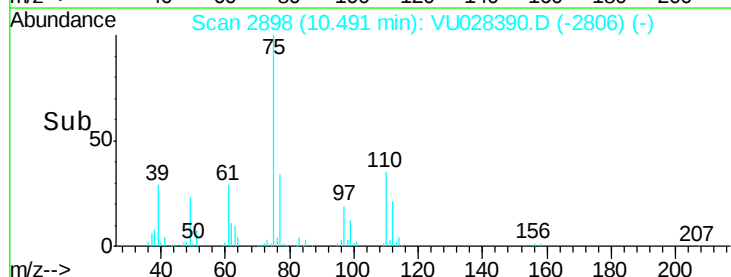
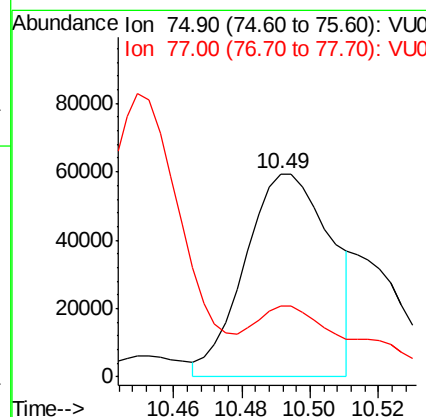
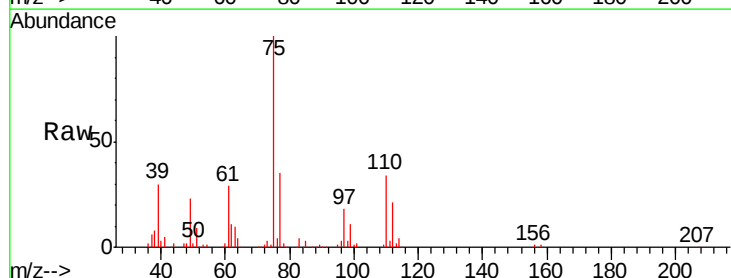
RT: 10.49 min Scan# 2898

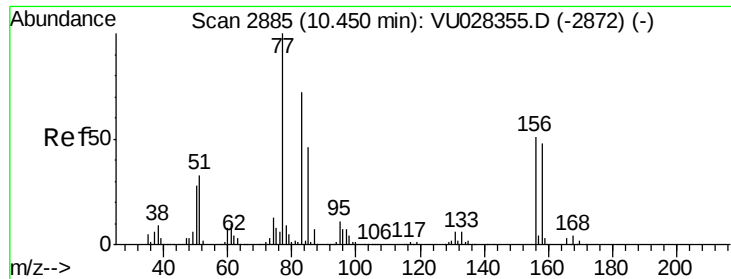
Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	75	Resp:	104073
Ion Ratio	Lower	Upper	
75	100		
77	42.2	22.4	67.0





#77

Bromobenzene

Concen: 18.773 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

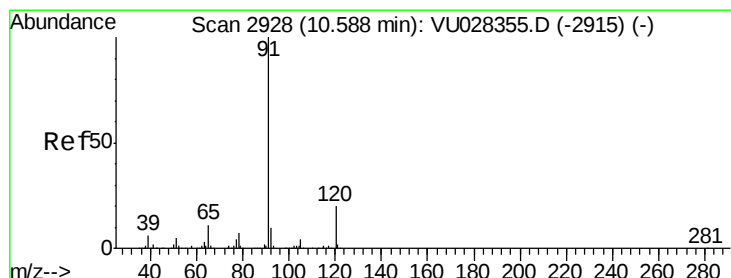
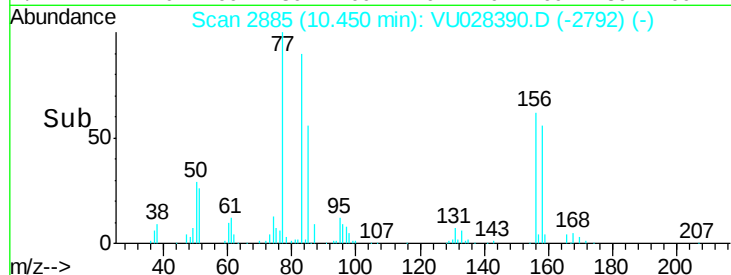
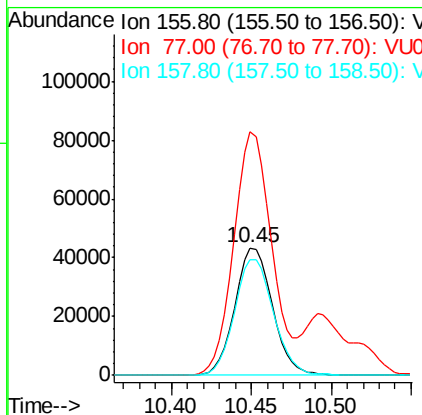
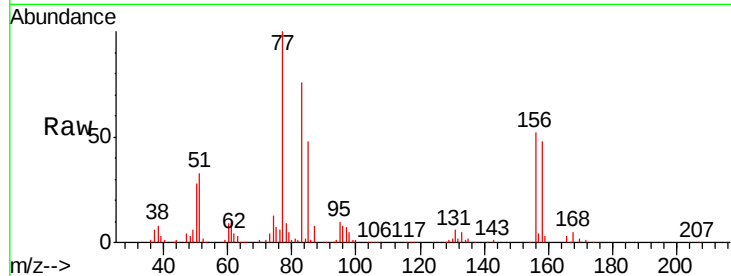
ClientSampleId :

VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	194.4	97.0	290.9
158	94.7	46.8	140.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.335 ug/l

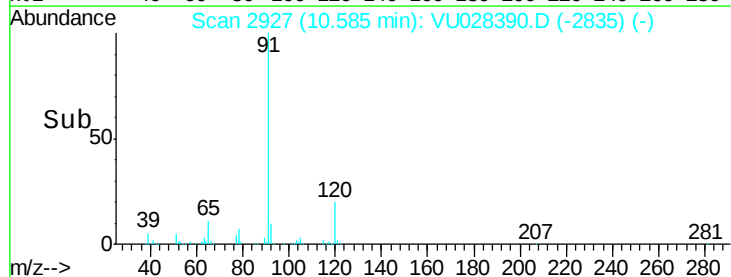
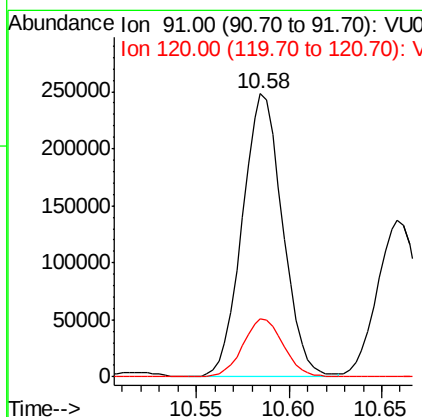
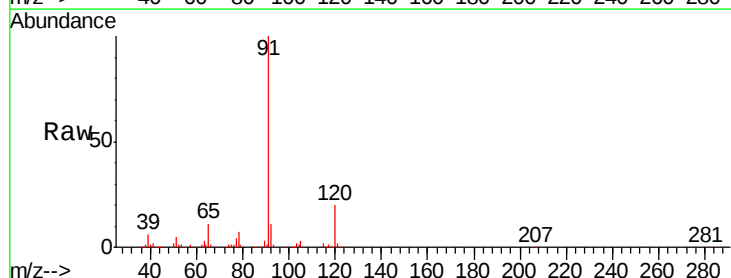
RT: 10.58 min Scan# 2927

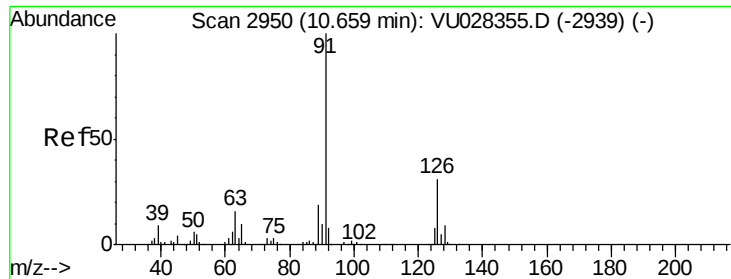
Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.7	10.3	30.8





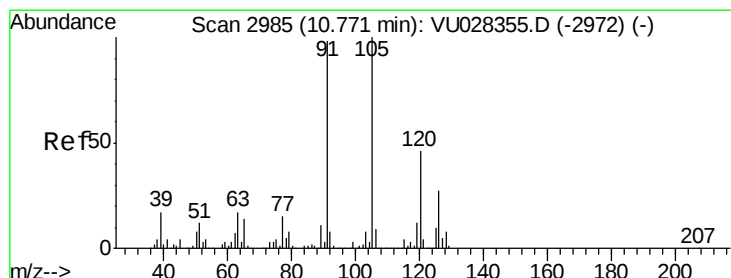
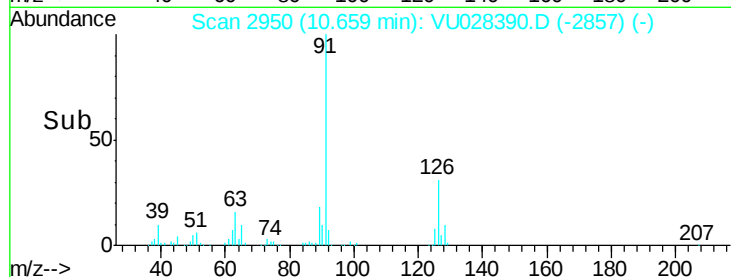
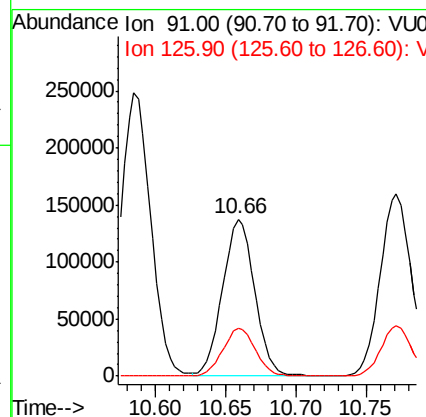
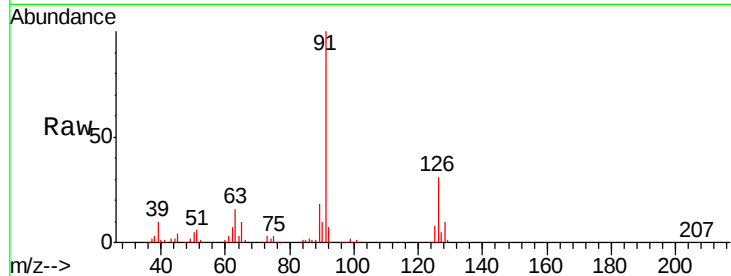
#79
 2-Chlorotoluene
 Concen: 19.110 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion: 91 Resp: 217227
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.4 46.1

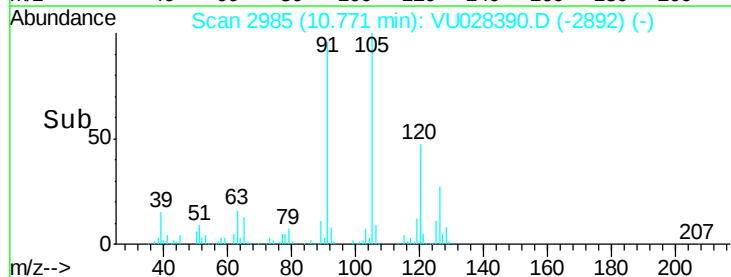
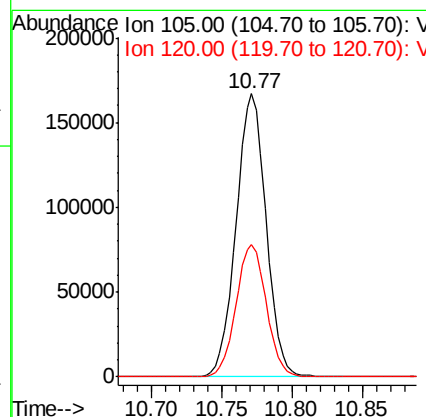
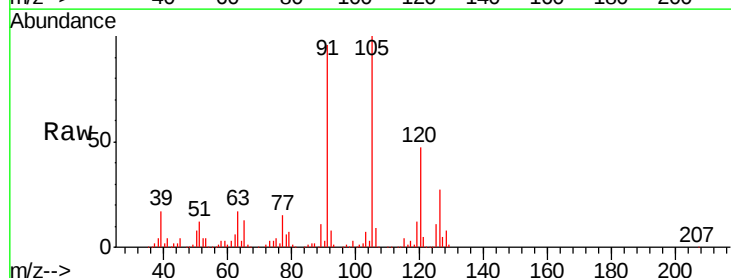
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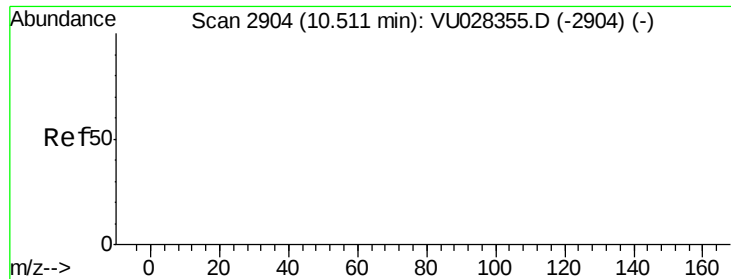
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.929 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion: 105 Resp: 249341
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.620 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

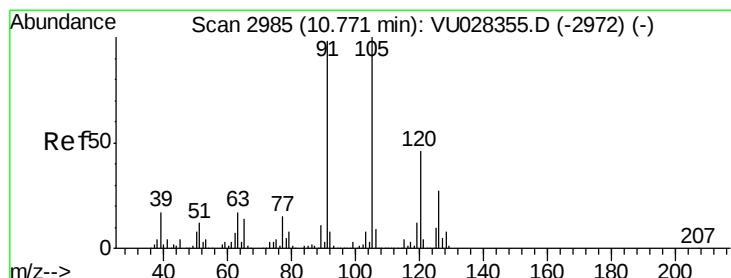
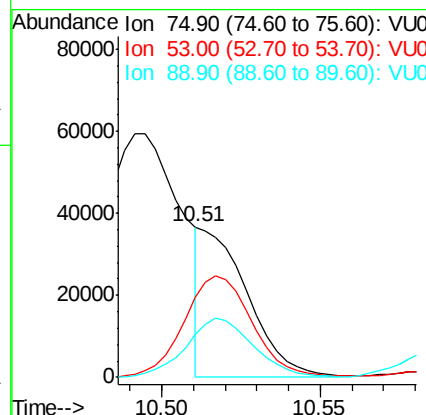
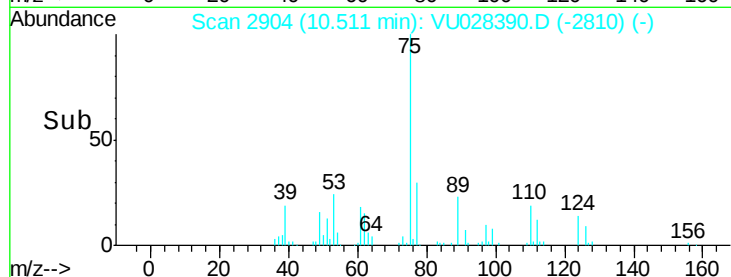
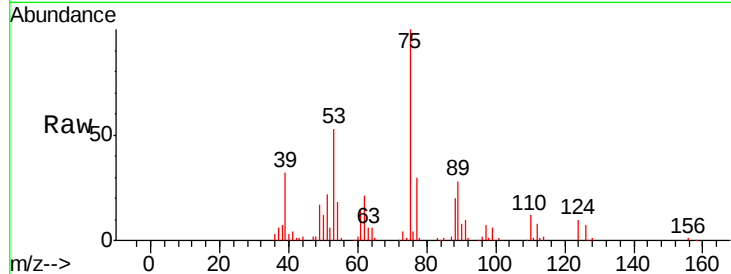
Instrument :
MSVOA_U

ClientSampleId :
VU1129WBS01

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

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#82

4-Chlorotoluene

Concen: 18.990 ug/l

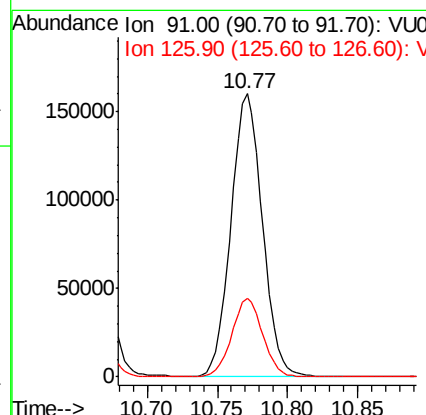
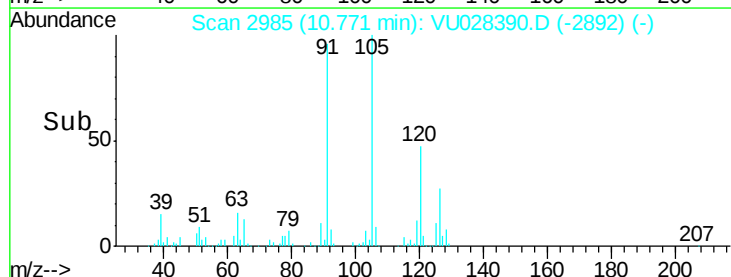
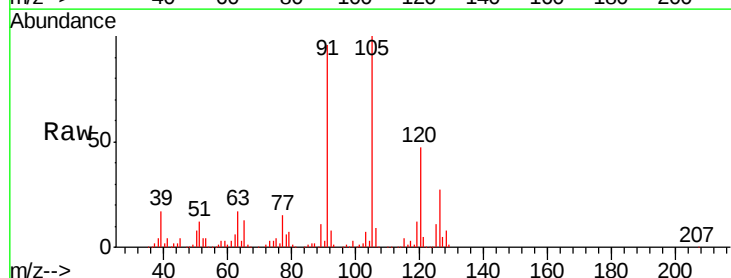
RT: 10.77 min Scan# 2985

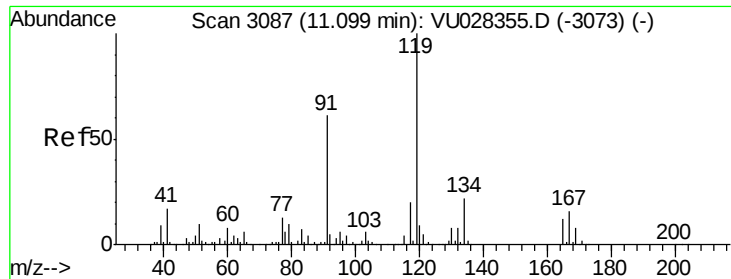
Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	13.9	41.6





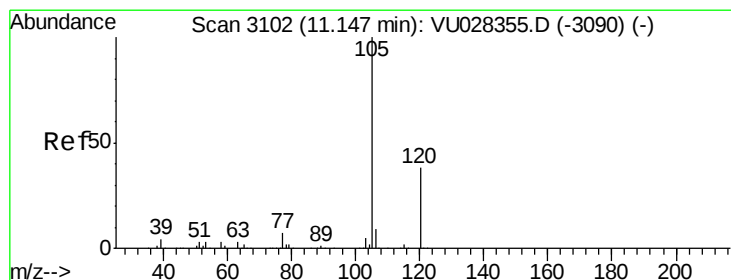
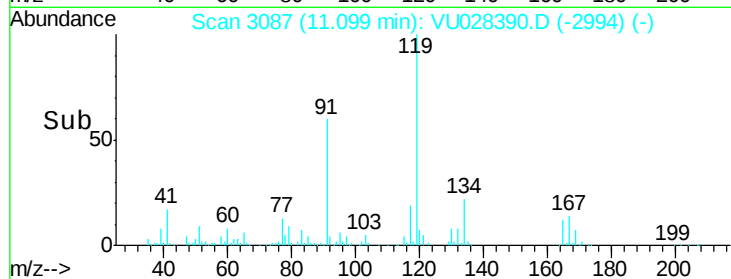
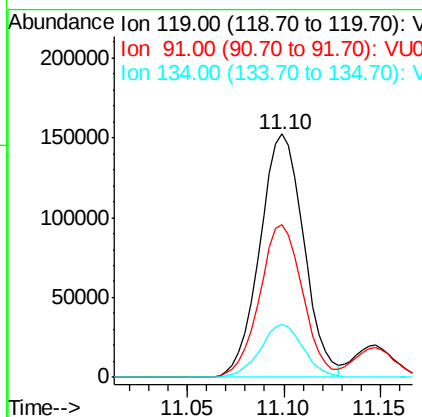
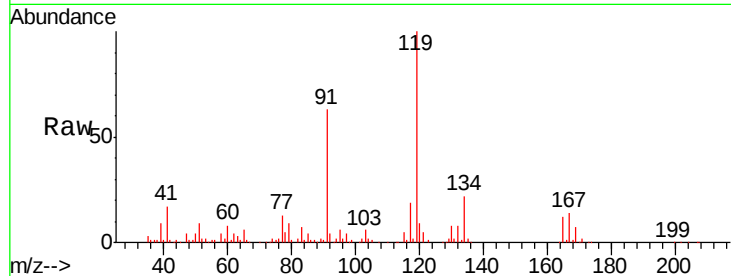
#83
 tert-Butylbenzene
 Concen: 19.577 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	240382		
91	61.6	30.8	92.4	
134	21.4	11.1	33.1	

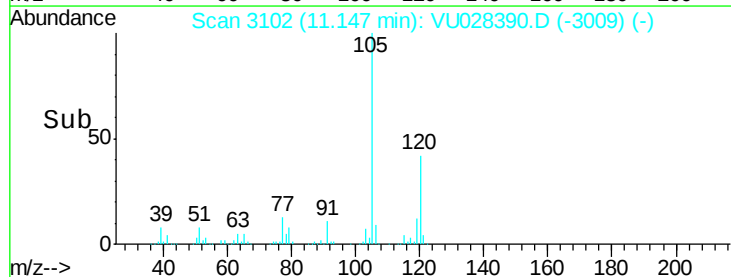
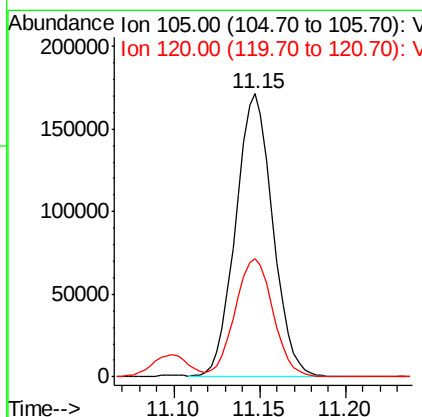
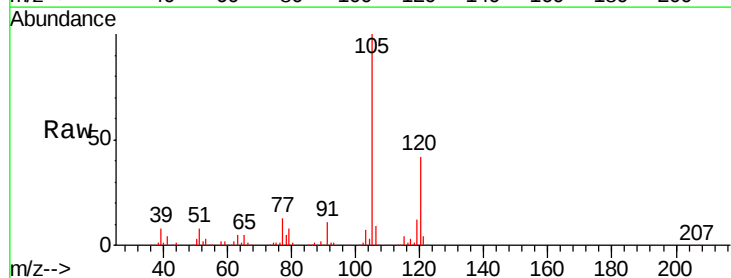
Manual Integrations
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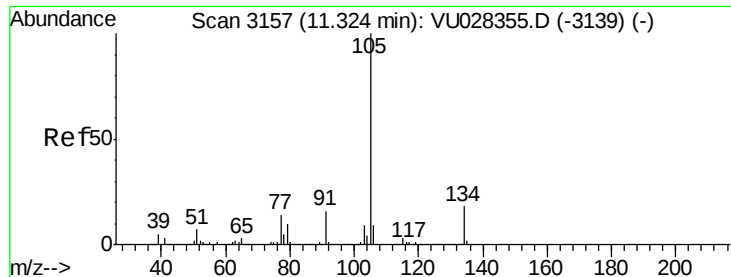
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.131 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	255240		
120	43.1	21.4	64.3	





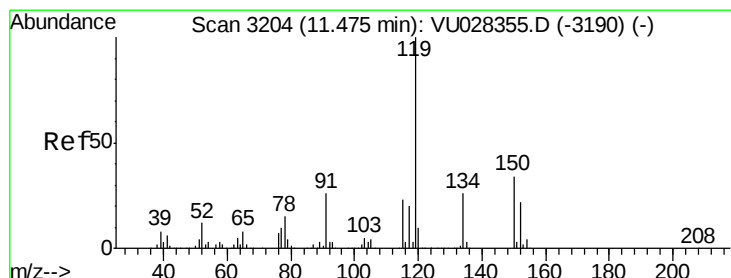
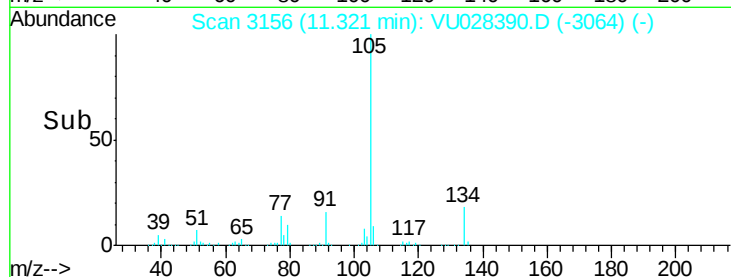
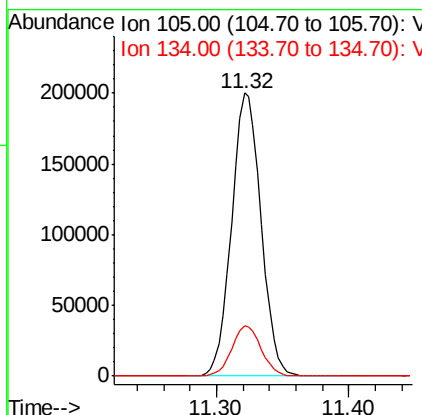
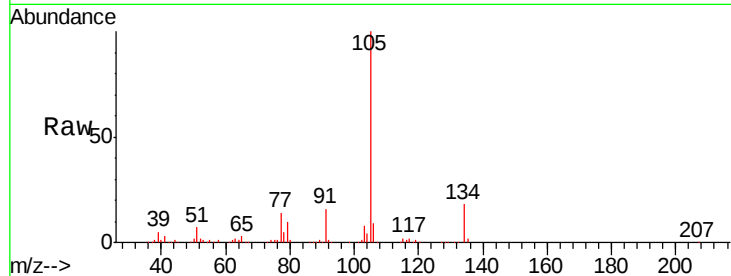
#85
 sec-Butylbenzene
 Concen: 19.271 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307339		
134	17.8	9.3	27.7	

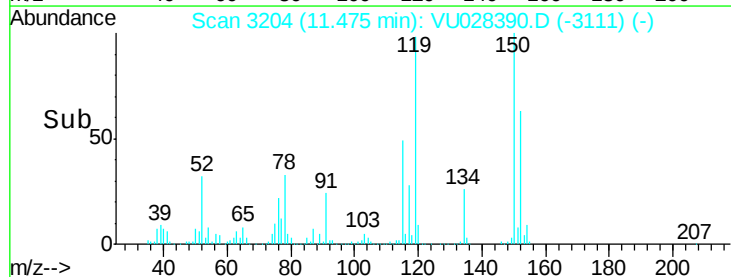
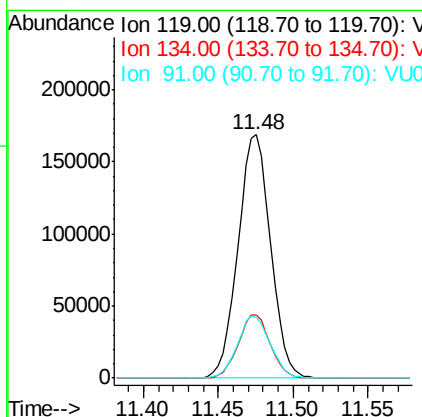
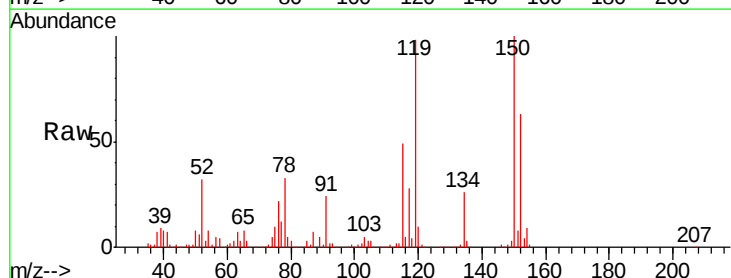
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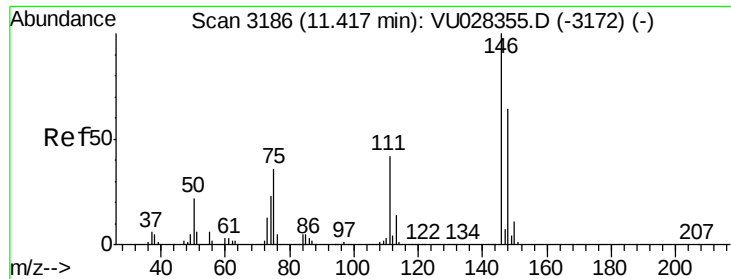
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 11/30/2018 11:25:46 AM



#86
 p-Isopropyltoluene
 Concen: 19.474 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	255373		
134	25.6	12.8	38.3	
91	25.6	13.1	39.1	





#87

1,3-Dichlorobenzene

Concen: 18.818 ug/l

RT: 11.41 min Scan# 3185

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

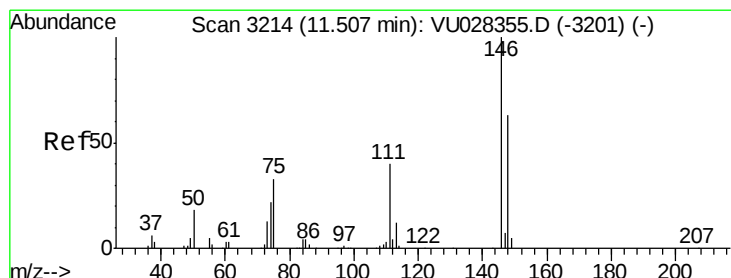
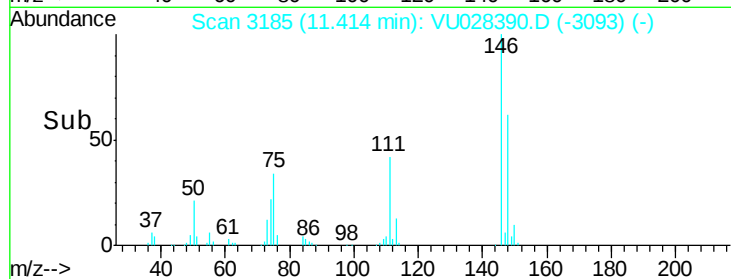
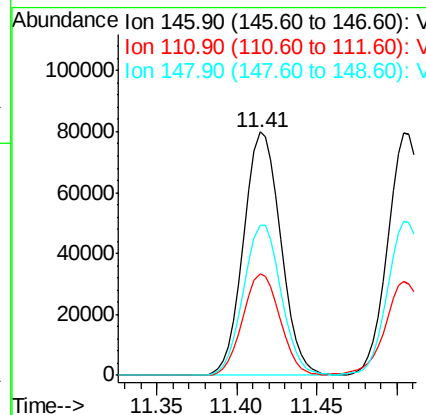
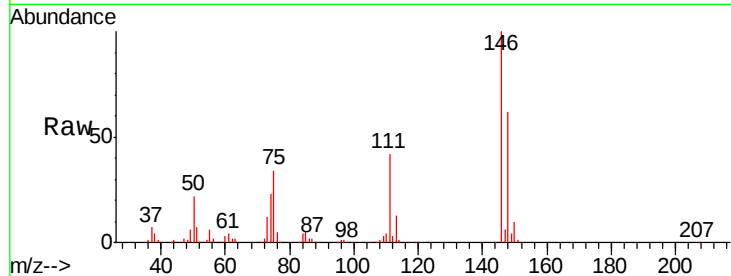
ClientSampleId :

VU1129WBS01

Tgt Ion:	146	Resp:	126411
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.8	62.4
148	62.7	31.8	95.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.979 ug/l

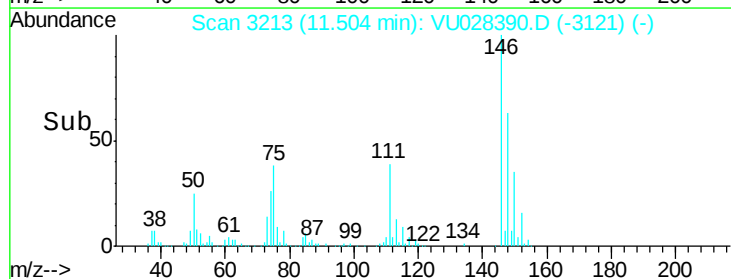
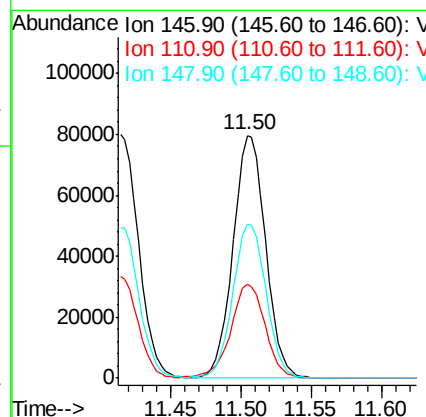
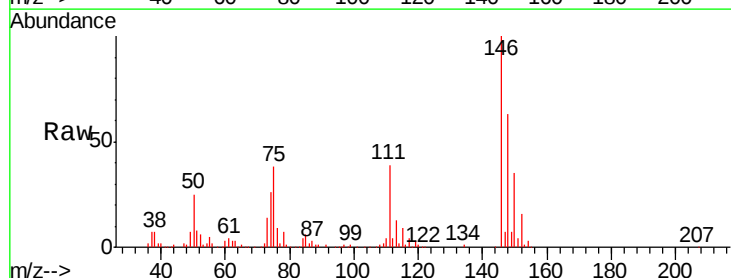
RT: 11.50 min Scan# 3213

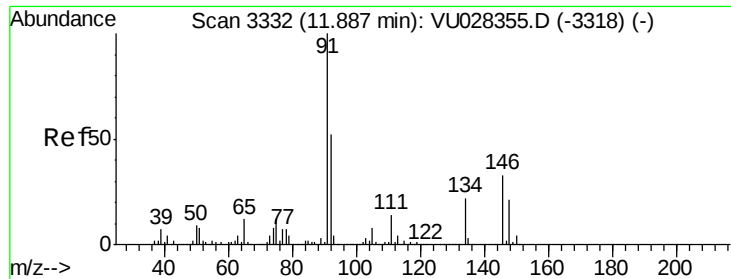
Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	146	Resp:	128313
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.6	61.9
148	64.7	31.1	93.5





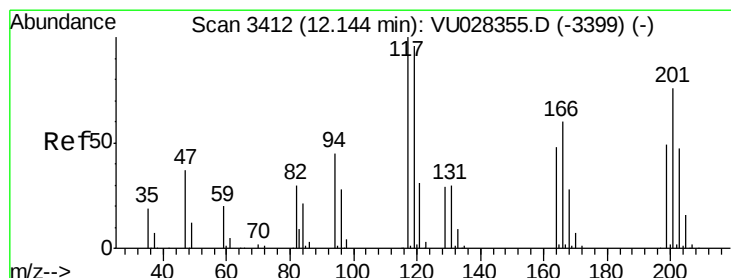
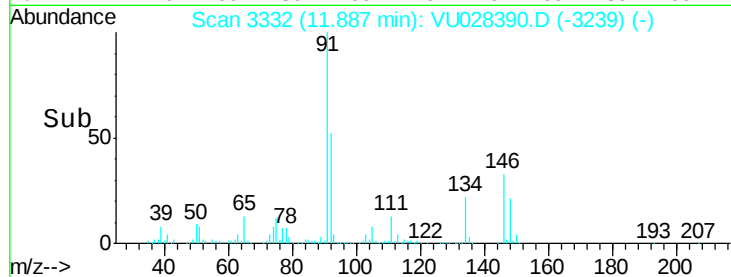
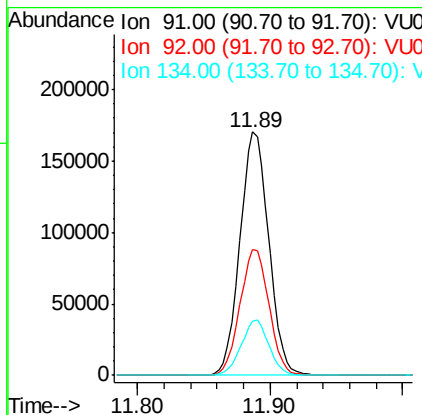
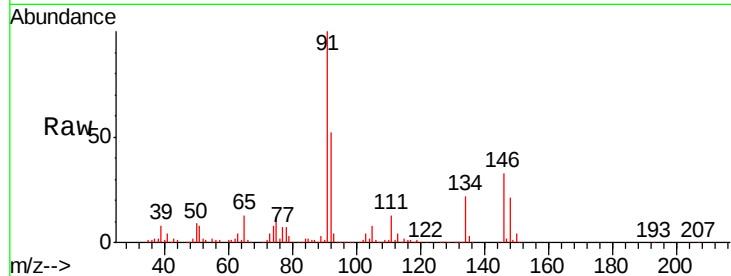
#89
n-Butylbenzene
Concen: 19.864 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Instrument :
MSVOA_U
ClientSampleId :
VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.0	11.1	33.1

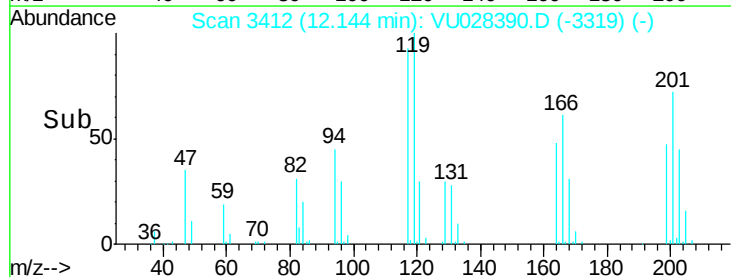
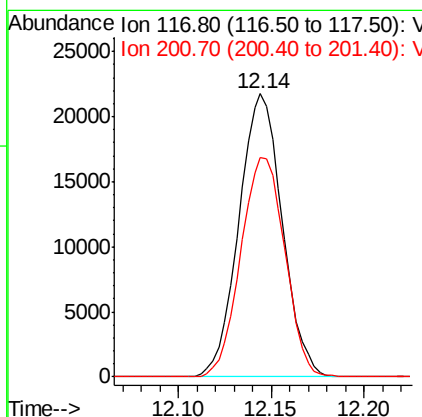
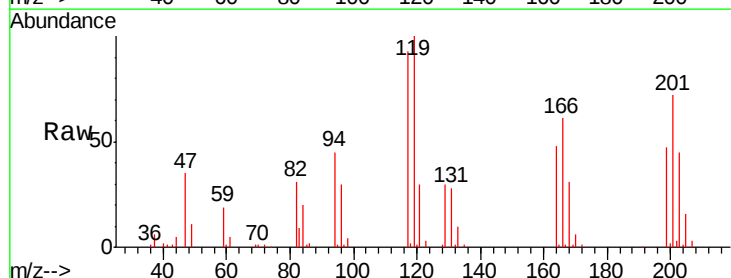
Manual Integrations
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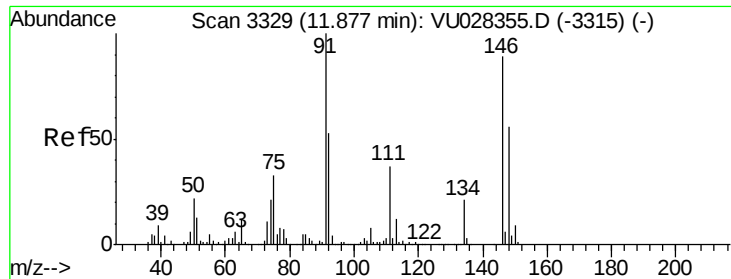
MMDadoda
11/30/2018 11:25:46 AM



#90
Hexachloroethane
Concen: 17.197 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028390.D
Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	37.7	113.1





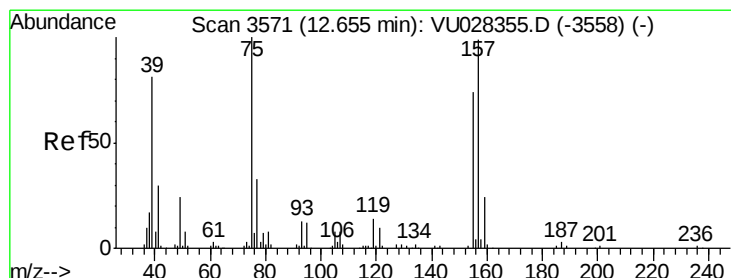
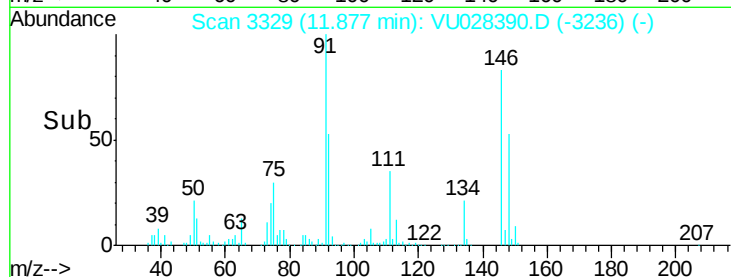
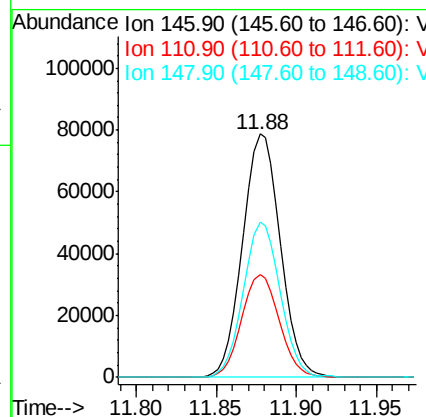
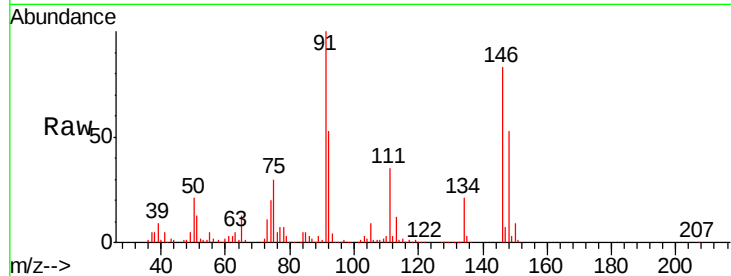
#91
 1,2-Dichlorobenzene
 Concen: 18.878 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	62.3	32.2	96.6

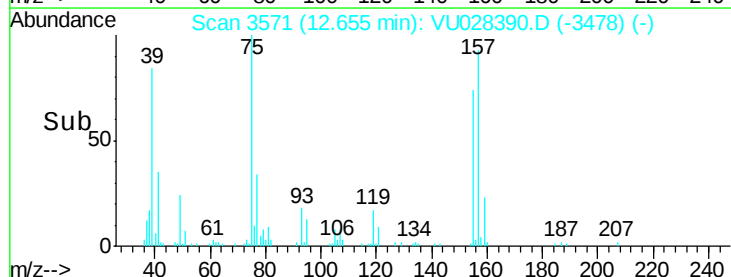
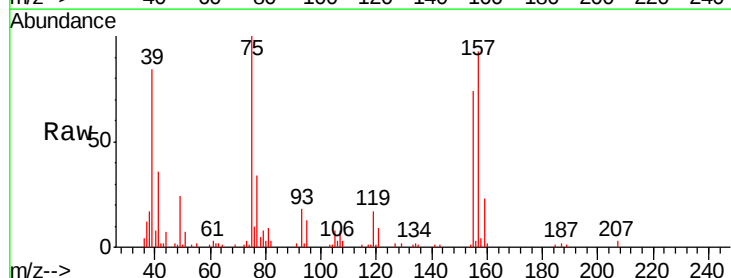
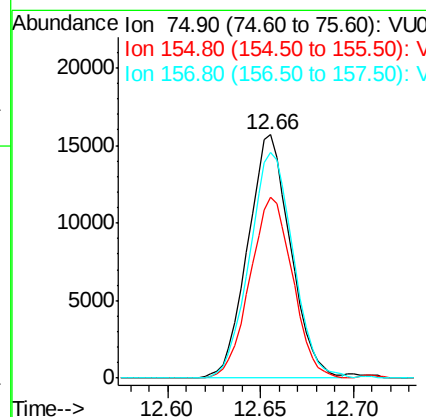
Manual Integrations
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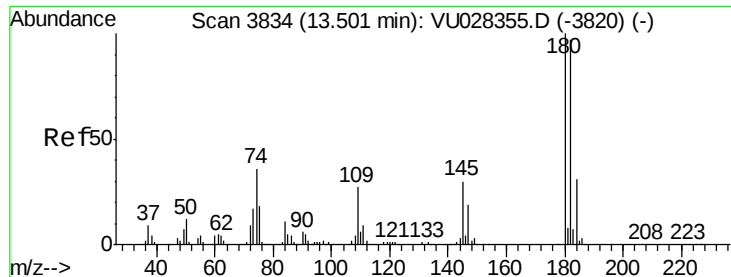
MMDadoda
 11/30/2018 11:25:46 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.573 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	36.9	110.7
157	94.7	47.5	142.5





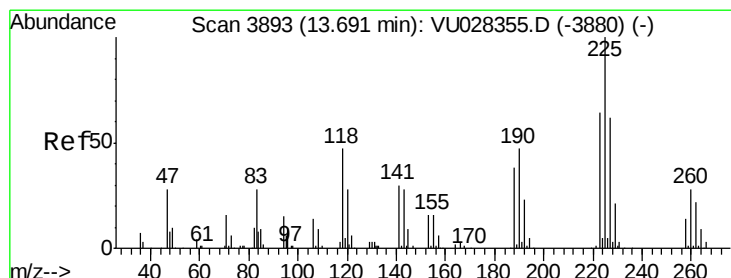
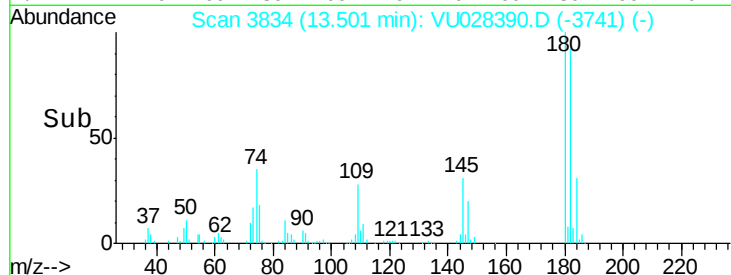
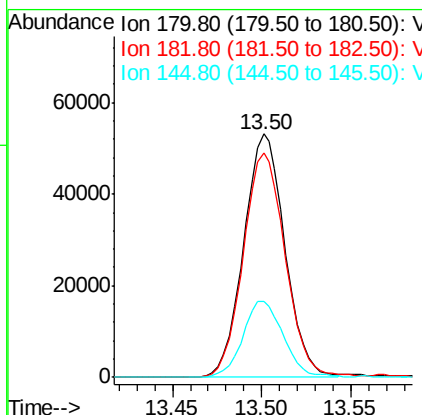
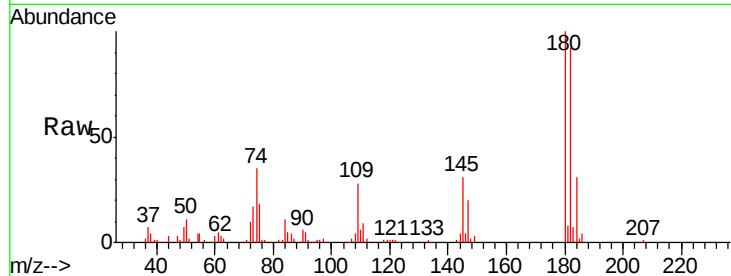
#93
 1,2,4-Trichlorobenzene
 Concen: 19.561 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1129WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.3	144.9
145	31.0	15.2	45.5

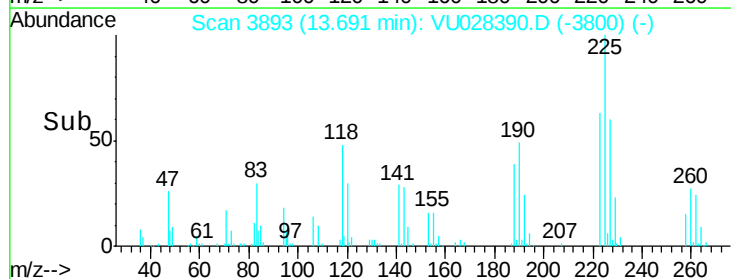
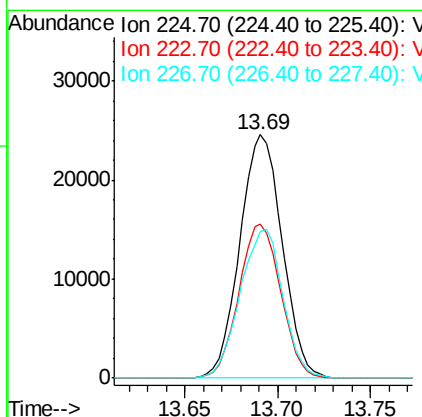
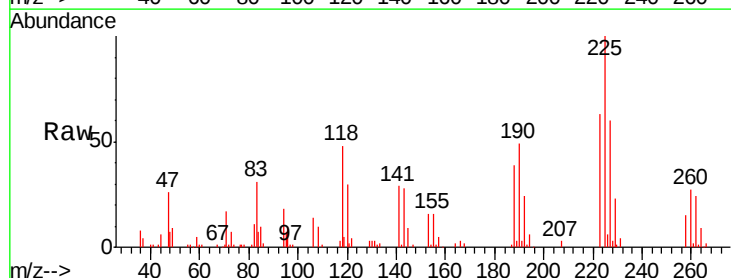
Manual Integrations
 APPROVED

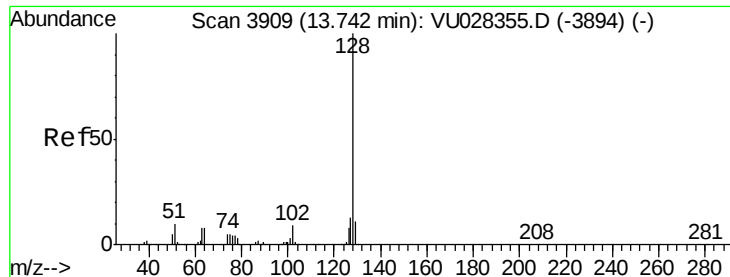
MMDadoda
 11/30/2018 11:25:46 AM



#94
 Hexachlorobutadiene
 Concen: 18.801 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028390.D
 Acq: 29 Nov 2018 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	94.7
227	61.7	30.8	92.4





#95

Naphthalene

Concen: 19.623 ug/l

RT: 13.74 min Scan# 3908

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Instrument :

MSVOA_U

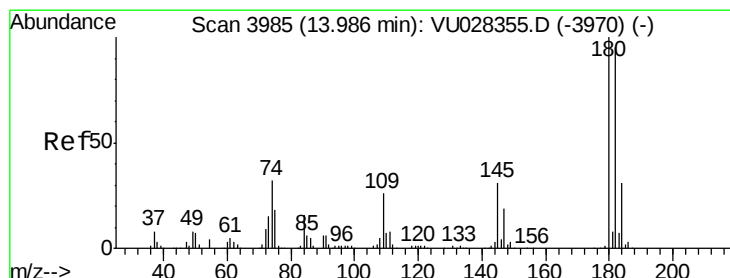
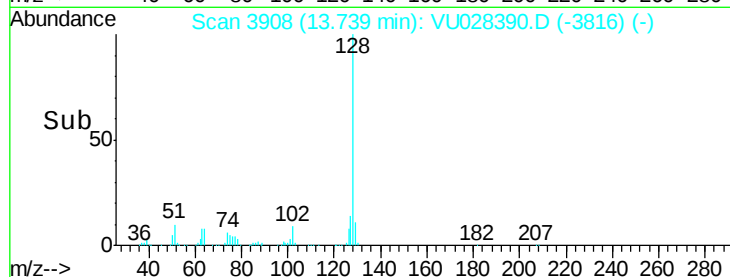
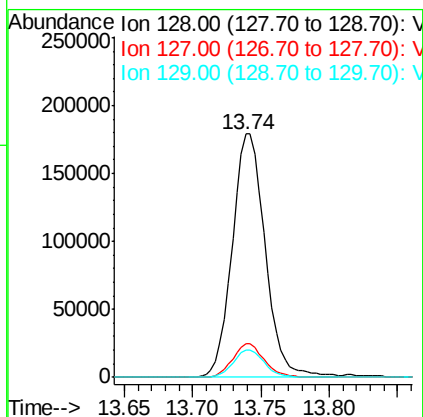
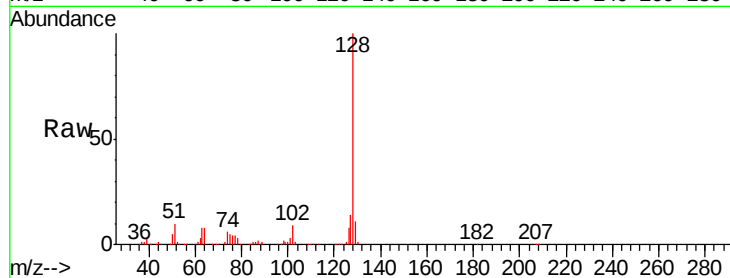
ClientSampleId :

VU1129WBS01

Tgt Ion:	128	Resp:	301029
Ion Ratio		Lower	Upper
128	100		
127	13.4	10.6	15.8
129	10.5	8.6	12.8

Manual Integrations
APPROVED

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11/30/2018 11:25:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.904 ug/l

RT: 13.99 min Scan# 3985

Delta R.T. -0.00 min

Lab File: VU028390.D

Acq: 29 Nov 2018 13:51

Tgt Ion:	180	Resp:	88315
Ion Ratio		Lower	Upper
180	100		
182	92.2	47.7	143.1
145	32.1	15.7	47.1

