

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112818\
 Data File : VU028352.D
 Acq On : 28 Nov 2018 09:11
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 1:22:37 PM

Quant Time: Nov 29 00:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 00:29:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	225022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	398782	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	352877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	154801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2893	0.958	ug/l	97
3) Chloromethane	1.33	50	6009	1.027	ug/l	97
4) Vinyl Chloride	1.40	62	4035	0.986	ug/l	100
5) Bromomethane	1.63	94	1592	1.005	ug/l #	80
6) Chloroethane	1.70	64	2506	1.064	ug/l #	80
7) Trichlorofluoromethane	1.89	101	4233	0.995	ug/l	100
8) Diethyl Ether	2.10	74	2233	1.130	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	2.29	101	2614	1.055	ug/l	95
12) 1,1-Dichloroethene	2.28	96	2206	0.918	ug/l	89
14) Allyl chloride	2.59	41	6029	0.960	ug/l	90
15) Acrylonitrile	2.94	53	10186	4.507	ug/l	95
16) Acetone	2.32	43	12572	5.465	ug/l	100
17) Carbon Disulfide	2.48	76	10402	1.127	ug/l #	94
18) Methyl Acetate	2.62	43	6349	0.991	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	9549	0.969	ug/l #	88
20) Methylene Chloride	2.70	84	4965	1.395	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	2816	1.010	ug/l #	80
22) Diisopropyl ether	3.58	45	11605m	0.939	ug/l	
23) Vinyl Acetate	3.53	43	45166	4.394	ug/l	98
24) 1,1-Dichloroethane	3.44	63	5184	0.850	ug/l #	94
25) 2-Butanone	4.27	43	15337	4.652	ug/l	95
26) 2,2-Dichloropropane	4.22	77	4835	0.999	ug/l	95
27) cis-1,2-Dichloroethene	4.22	96	3529	1.070	ug/l	94
28) Bromochloromethane	4.56	49	2945	0.966	ug/l #	96
29) Tetrahydrofuran	4.65	42	9016	4.212	ug/l	95
30) Chloroform	4.67	83	5931	1.054	ug/l	92
31) Cyclohexane	4.99	56	11212	1.549	ug/l #	44
32) 1,1,1-Trichloroethane	4.92	97	4144	0.918	ug/l #	54
36) 1,1-Dichloropropene	5.14	75	4718	1.081	ug/l #	83
37) Ethyl Acetate	4.39	43	5013	0.843	ug/l #	87
38) Carbon Tetrachloride	5.14	117	3486	0.973	ug/l #	82
39) Methylcyclohexane	6.41	83	5172	1.005	ug/l	89
40) Benzene	5.39	78	11695	0.905	ug/l #	89
41) Methacrylonitrile	4.55	41	2627	0.795	ug/l #	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 1,2-Dichloroethane	5.40	62	4467	0.959	ug/l	89
43) Isopropyl Acetate	5.55	43	8536	0.906	ug/l #	91
44) Trichloroethene	6.19	130	2634	0.951	ug/l	100
45) 1,2-Dichloropropane	6.43	63	3343	0.883	ug/l #	85
46) Dibromomethane	6.56	93	1889	0.869	ug/l	89
47) Bromodichloromethane	6.76	83	4208	0.973	ug/l #	98
48) Methyl methacrylate	6.62	41	4897	0.998	ug/l	88
49) 1,4-Dioxane	6.62	88	1249	15.927	ug/l #	76
51) 4-Methyl-2-Pentanone	7.46	43	27016	4.489	ug/l	96
52) Toluene	7.64	92	6492	0.872	ug/l	93
53) t-1,3-Dichloropropene	7.88	75	4869	0.942	ug/l	92
54) cis-1,3-Dichloropropene	7.27	75	5532	0.999	ug/l #	88
55) 1,1,2-Trichloroethane	8.07	97	3038	0.981	ug/l	95
56) Ethyl methacrylate	8.02	69	4564	0.866	ug/l	92
57) 1,3-Dichloropropane	8.24	76	5257	0.925	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.13	63	11225	3.968	ug/l	98
59) 2-Hexanone	8.37	43	19595	4.203	ug/l	98
60) Dibromochloromethane	8.48	129	2696	0.915	ug/l	98
61) 1,2-Dibromoethane	8.58	107	2732	0.861	ug/l	98
64) Tetrachloroethene	8.23	164	2289	0.986	ug/l #	80
65) Chlorobenzene	9.12	112	6928	0.946	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	9.21	131	2369	0.943	ug/l #	58
67) Ethyl Benzene	9.25	91	13103	0.949	ug/l	90
68) m/p-Xylenes	9.38	106	9325	1.877	ug/l	97
69) o-Xylene	9.78	106	4689	0.950	ug/l	93
70) Styrene	9.79	104	7066	0.887	ug/l	97
71) Bromoform	9.96	173	1858	0.880	ug/l #	100
73) Isopropylbenzene	10.16	105	11550	0.959	ug/l	93
74) N-amyl acetate	10.01	43	6945	0.921	ug/l	95
75) 1,1,2,2-Tetrachloroethane	10.46	83	4610	0.931	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	3844m	0.907	ug/l	
77) Bromobenzene	10.45	156	2906	1.024	ug/l	92
78) n-propylbenzene	10.59	91	14232	0.958	ug/l	92
79) 2-Chlorotoluene	10.66	91	8153	0.931	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	9826	0.968	ug/l	96
81) trans-1,4-Dichloro-2-buten	10.52	75	1722m	0.835	ug/l	
82) 4-Chlorotoluene	10.77	91	9674	0.959	ug/l	98
83) tert-Butylbenzene	11.10	119	8276	0.875	ug/l	92
84) 1,2,4-Trimethylbenzene	11.15	105	9590	0.933	ug/l	96
85) sec-Butylbenzene	11.32	105	11778	0.959	ug/l	100
86) p-Isopropyltoluene	11.48	119	9143	0.905	ug/l	87
87) 1,3-Dichlorobenzene	11.42	146	5304	1.025	ug/l	95
88) 1,4-Dichlorobenzene	11.51	146	5255m	1.009	ug/l	
89) n-Butylbenzene	11.89	91	8962	0.899	ug/l	91
90) Hexachloroethane	12.15	117	1335	0.847	ug/l	79
91) 1,2-Dichlorobenzene	11.88	146	4777	0.925	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	945	0.858	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	3281	0.971	ug/l	79
94) Hexachlorobutadiene	13.70	225	1602	1.004	ug/l	97
95) Naphthalene	13.75	128	8209	0.714	ug/l #	94

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ClientSampleId :
VSTDICC001

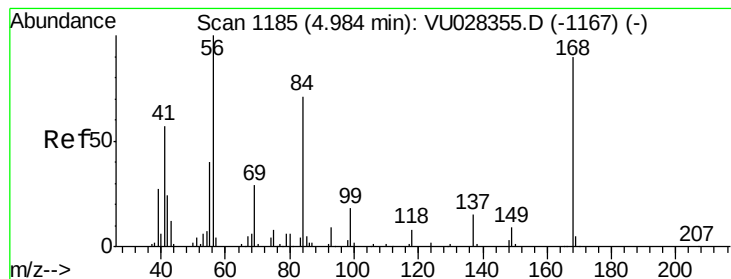
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	13.99	180	3121	0.913	ug/l	88

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 225022

Ion Ratio Lower Upper

168 100

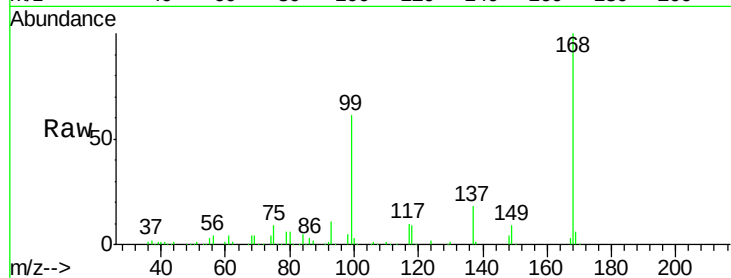
99 60.8 49.6 74.4

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

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

4.98

100000

80000

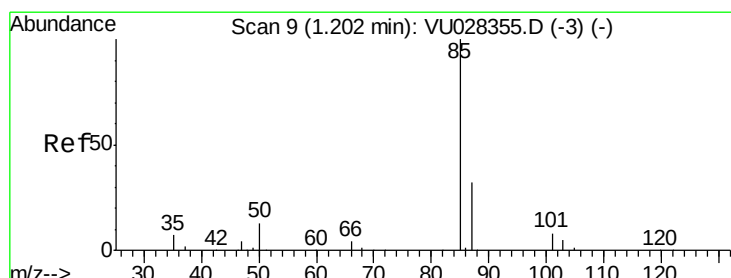
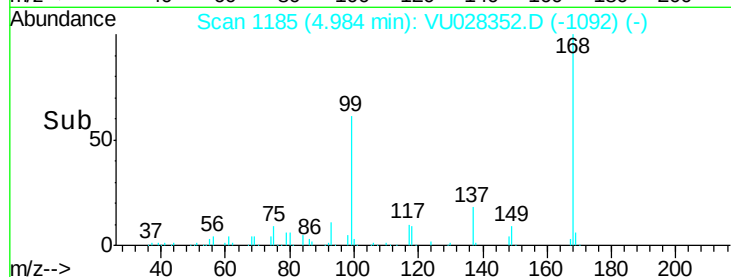
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.958 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028352.D

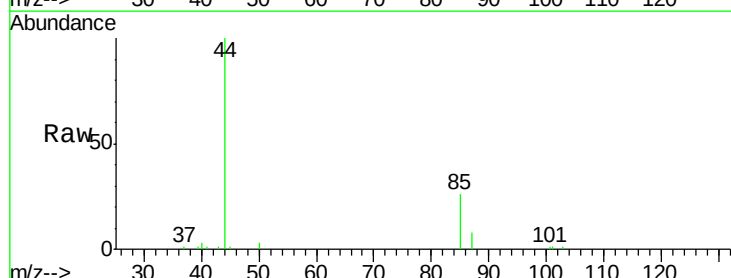
Acq: 28 Nov 2018 09:11

Tgt Ion: 85 Resp: 2893

Ion Ratio Lower Upper

85 100

87 30.1 15.9 47.7



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

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

1.21

4000

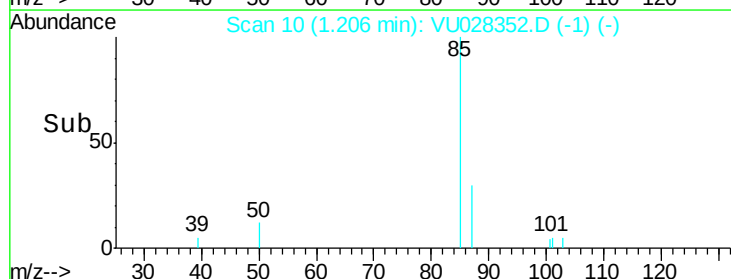
3000

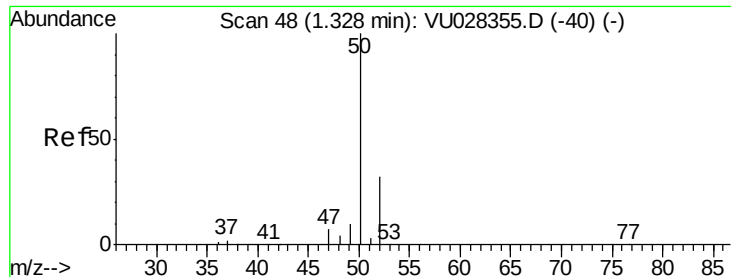
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.027 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6009

Ion Ratio Lower Upper

50 100

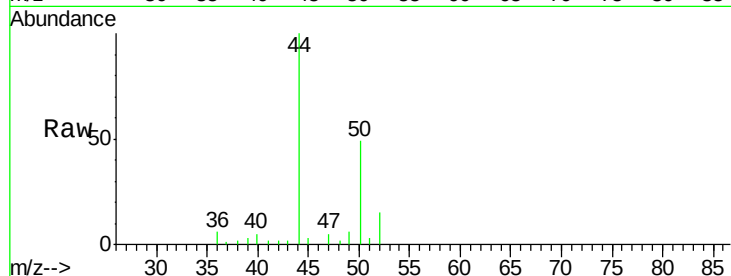
52 30.1 25.4 38.2

Manual Integrations

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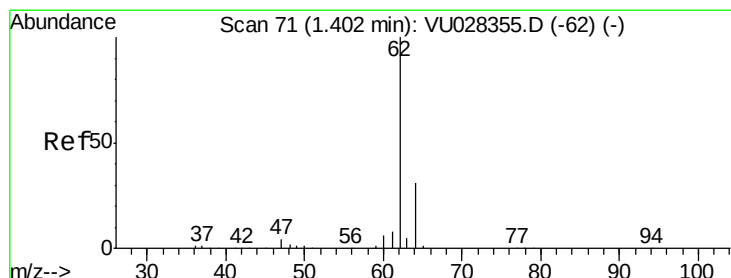
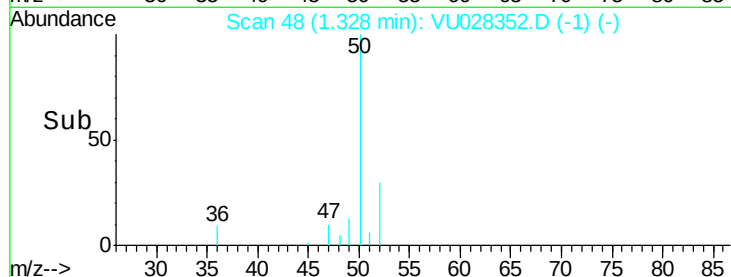
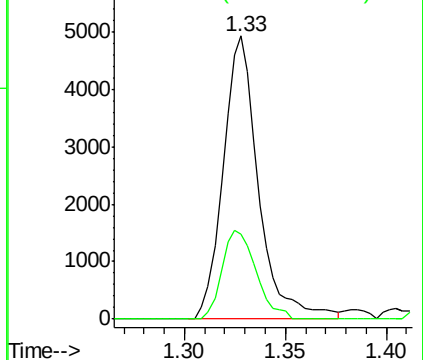
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 0.986 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028352.D

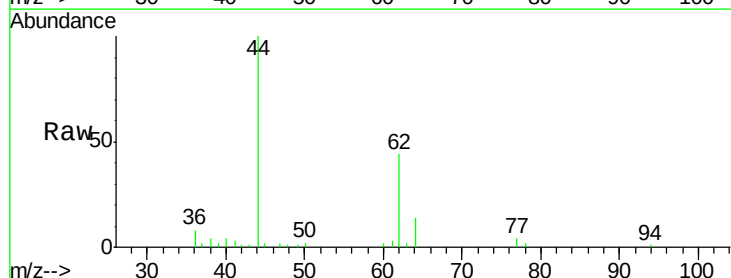
Acq: 28 Nov 2018 09:11

Tgt Ion: 62 Resp: 4035

Ion Ratio Lower Upper

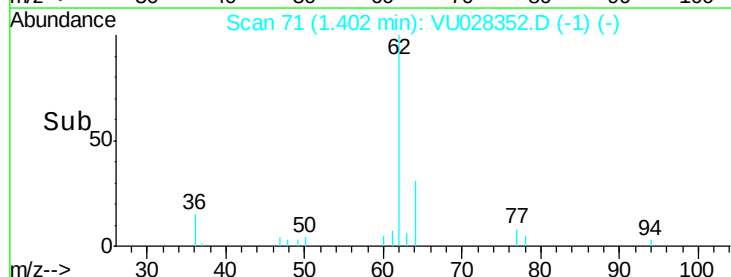
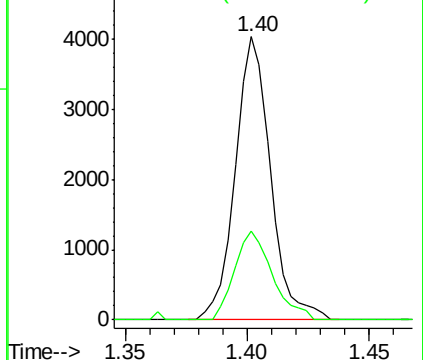
62 100

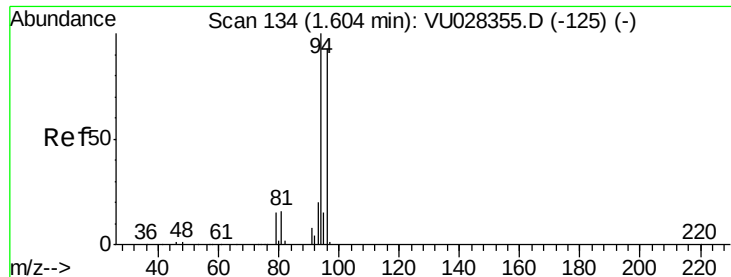
64 31.2 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 1.005 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.03 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 1592

Ion Ratio Lower Upper

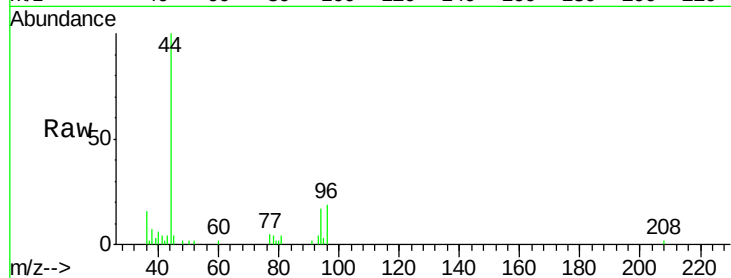
94 100

96 112.2 74.6 112.0#

Manual Integrations
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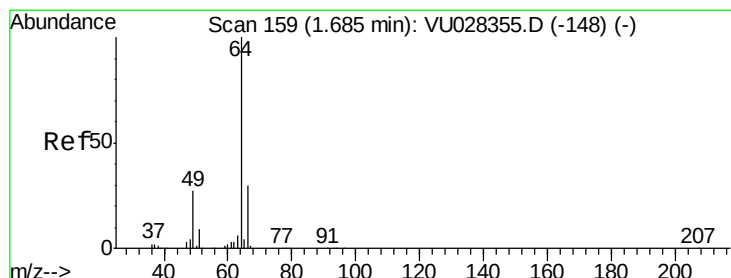
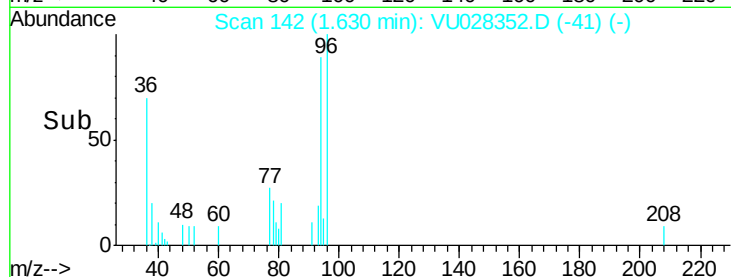
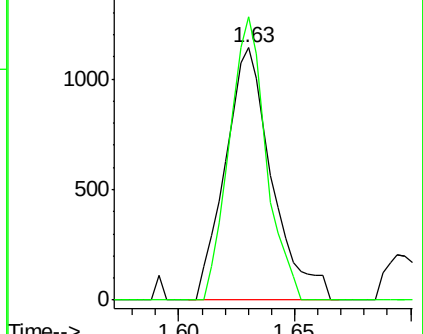
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 1.064 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.02 min

Lab File: VU028352.D

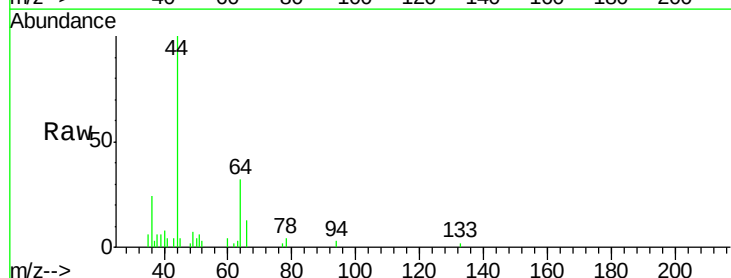
Acq: 28 Nov 2018 09:11

Tgt Ion: 64 Resp: 2506

Ion Ratio Lower Upper

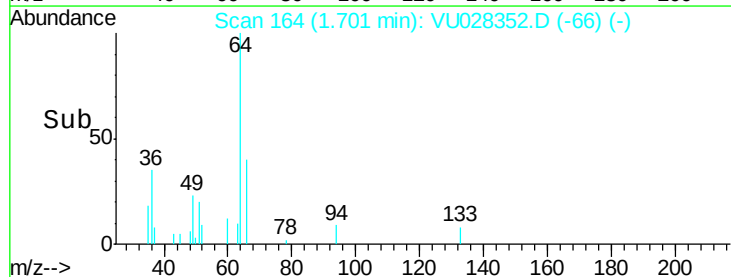
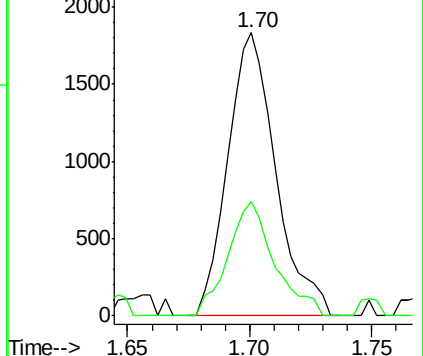
64 100

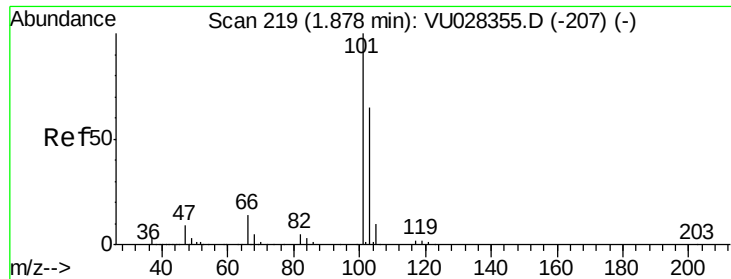
66 40.2 23.6 35.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

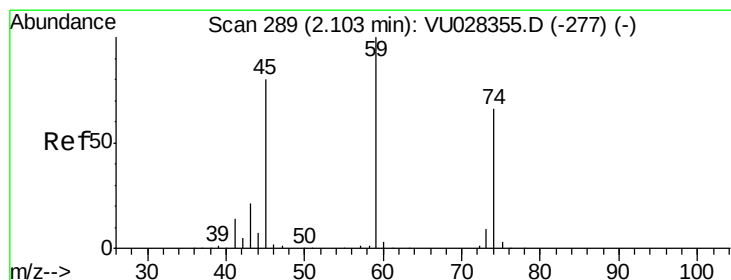
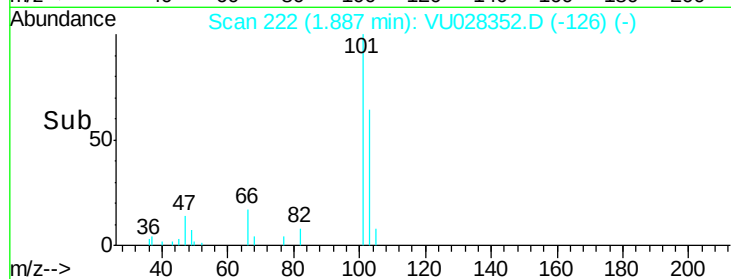
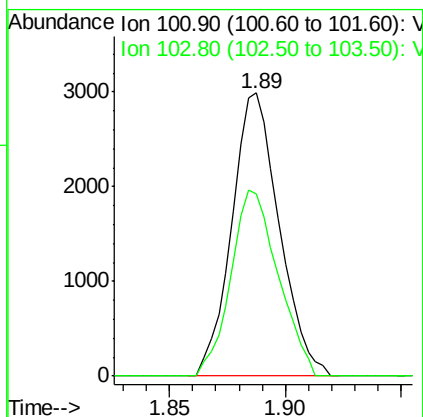
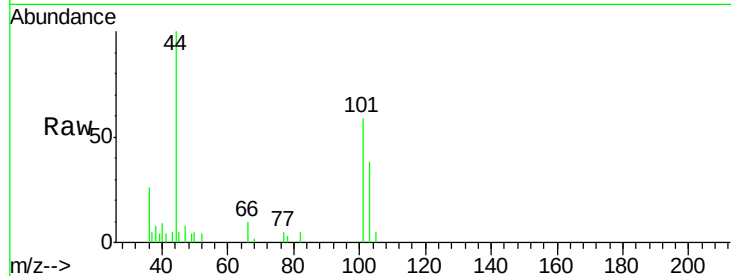
Trichlorofluoromethane
 Concen: 0.995 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

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 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.6	77.4

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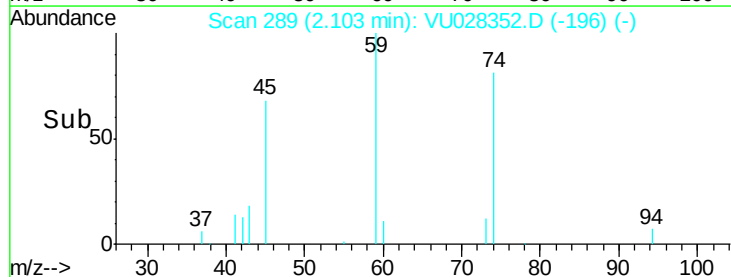
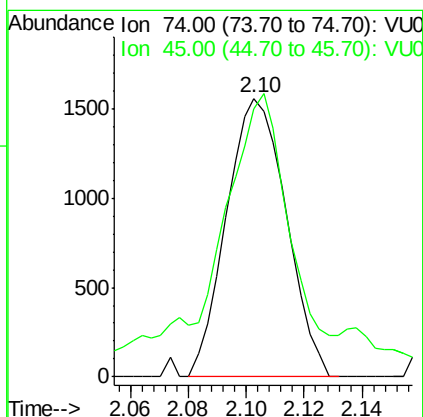
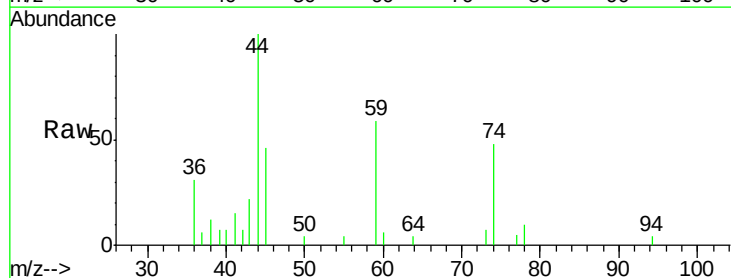
MMDadoda
 11/29/2018 1:22:37 PM

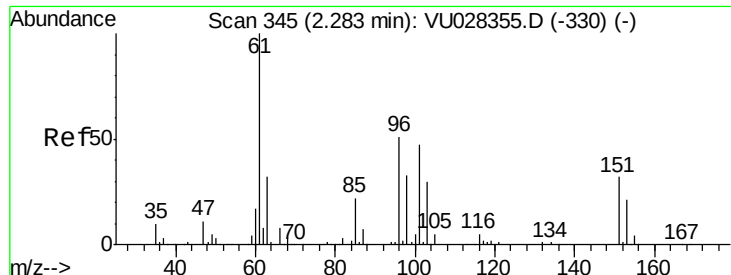


#8

Diethyl Ether
 Concen: 1.130 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.055 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

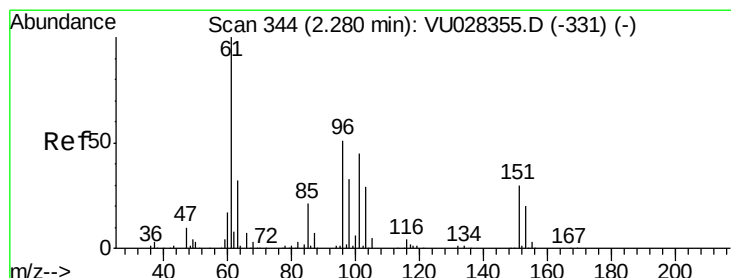
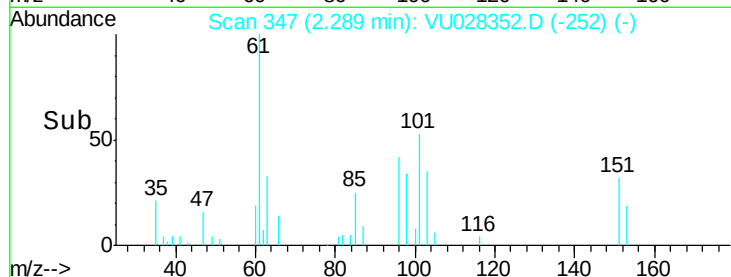
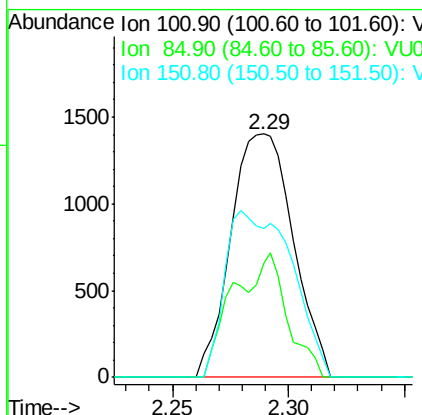
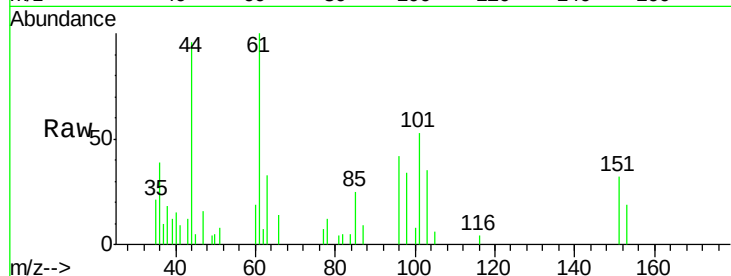
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	2614
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.2	55.8
151	73.6	55.4	83.0

Manual Integrations
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11/29/2018 1:22:37 PM



#12

1,1-Dichloroethene

Concen: 0.918 ug/l

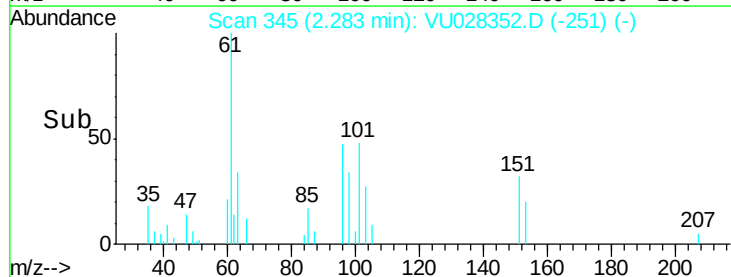
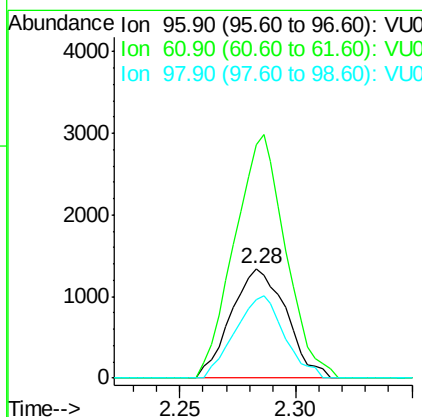
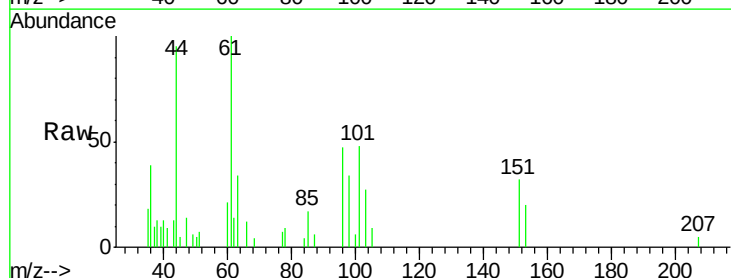
RT: 2.28 min Scan# 345

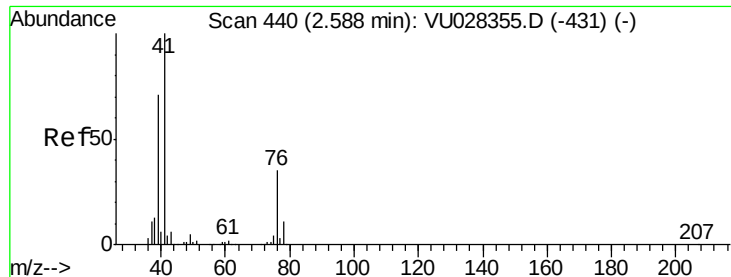
Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	96	Resp:	2206
Ion Ratio	Lower	Upper	
96	100		
61	214.1	158.1	237.1
98	72.0	51.4	77.2





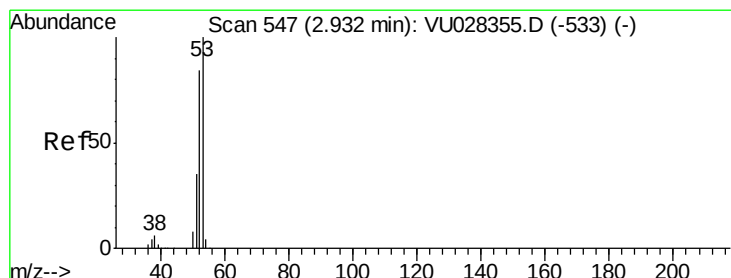
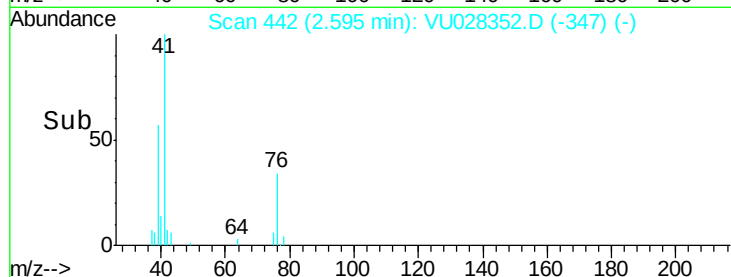
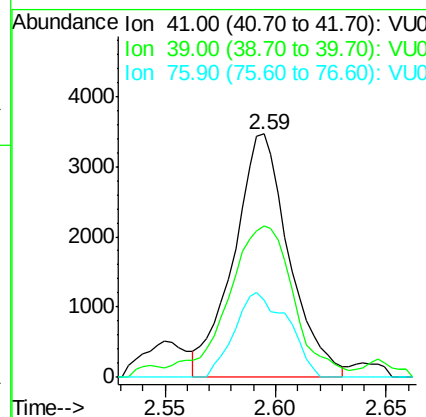
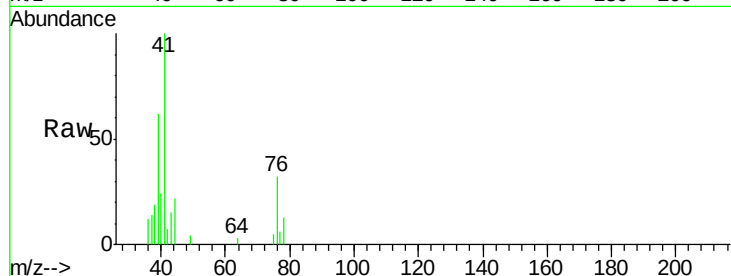
#14
Allvl chloride
Concen: 0.960 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.1	51.6	77.4
76	33.4	24.4	36.6

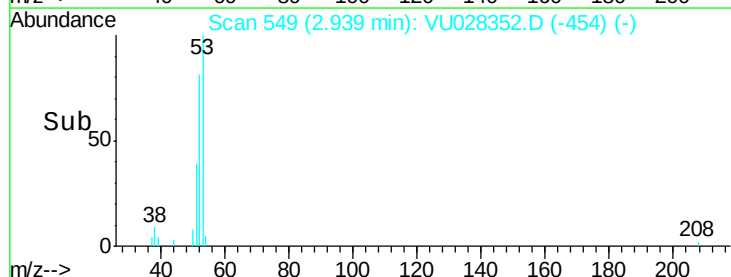
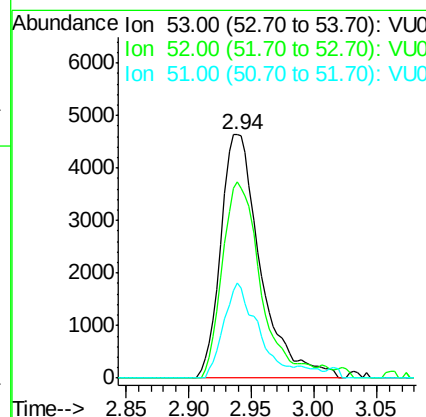
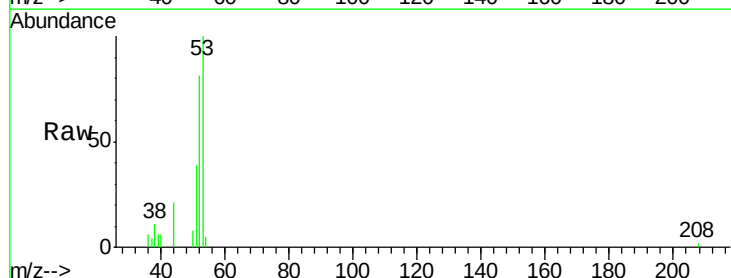
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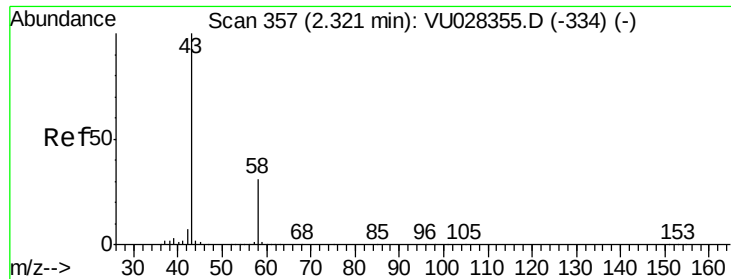
MMDadoda
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#15
Acrylonitrile
Concen: 4.507 ug/l
RT: 2.94 min Scan# 549
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
53	100		
52	77.4	65.7	98.5
51	36.4	27.8	41.6





#16

Acetone

Concen: 5.465 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 12572

Ion Ratio Lower Upper

43 100

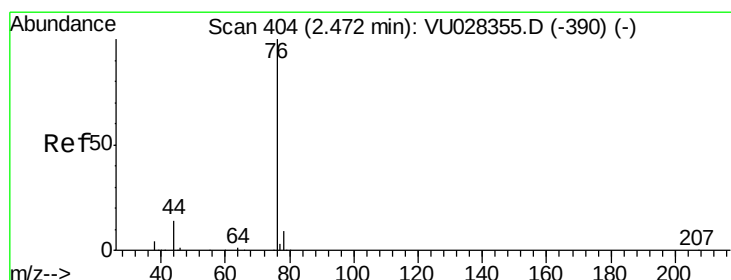
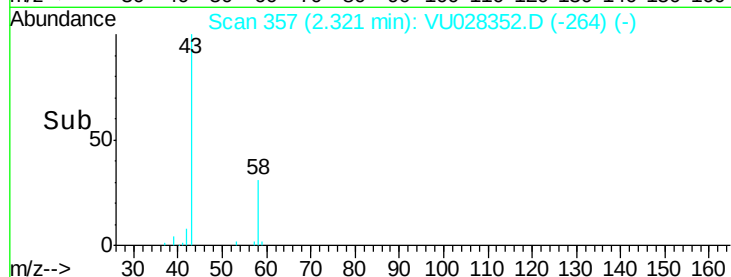
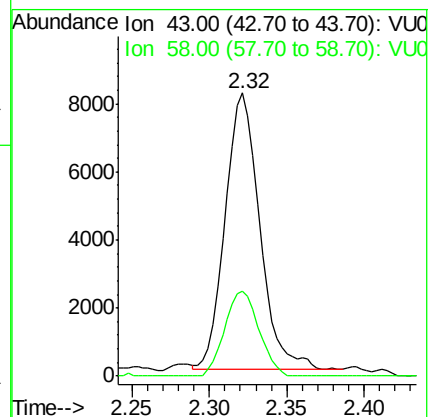
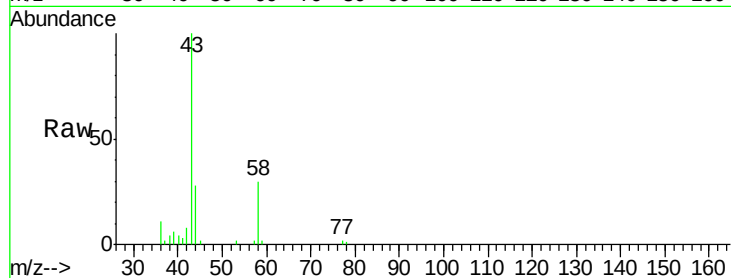
58 30.6 24.4 36.6

Manual Integrations

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#17

Carbon Disulfide

Concen: 1.127 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028352.D

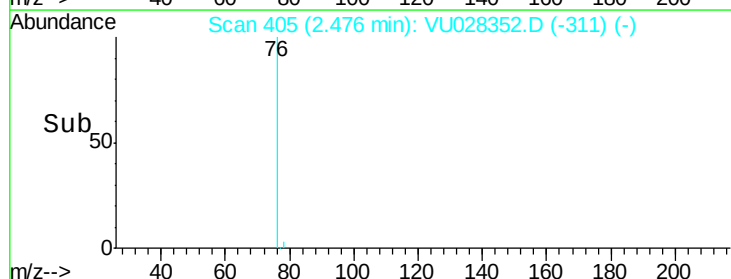
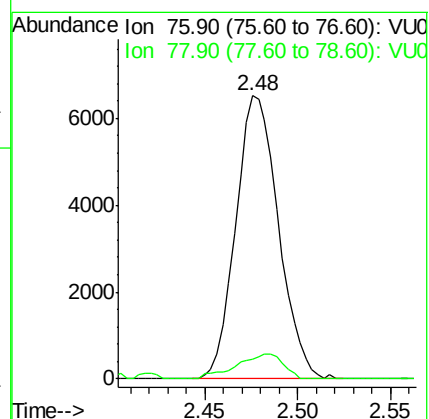
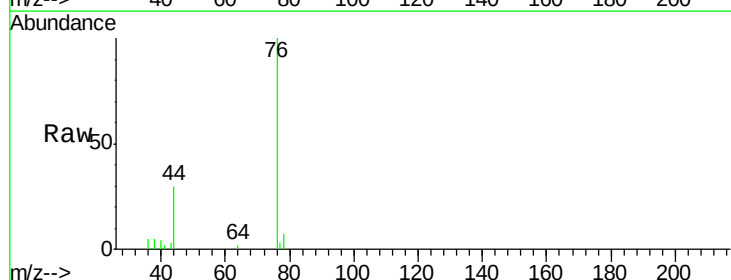
Acq: 28 Nov 2018 09:11

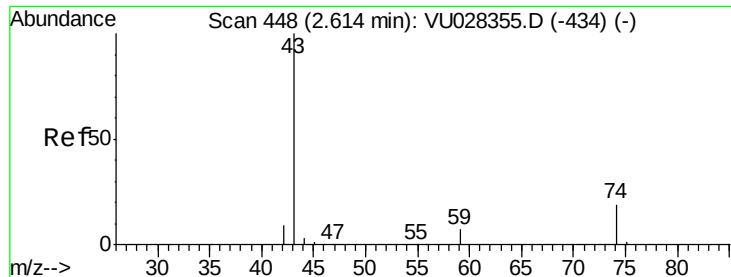
Tgt Ion: 76 Resp: 10402

Ion Ratio Lower Upper

76 100

78 7.0 7.4 11.2#





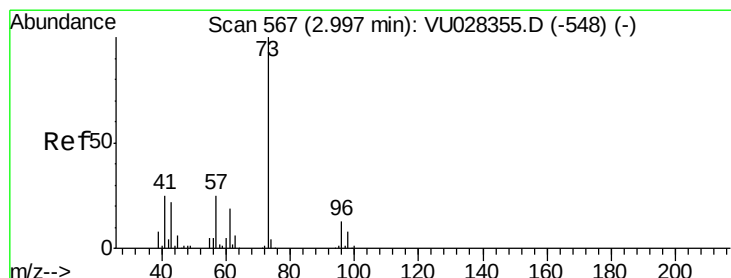
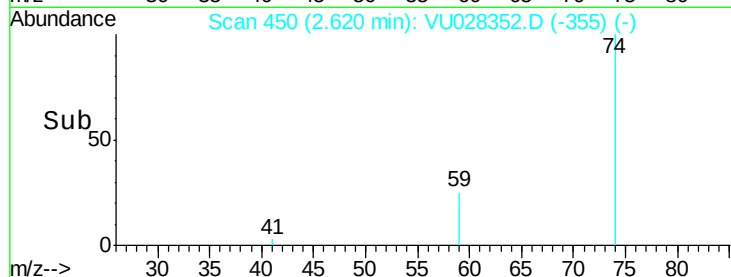
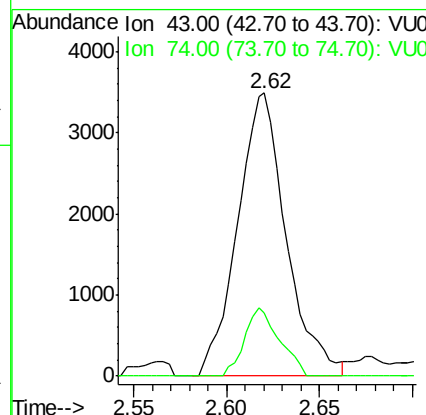
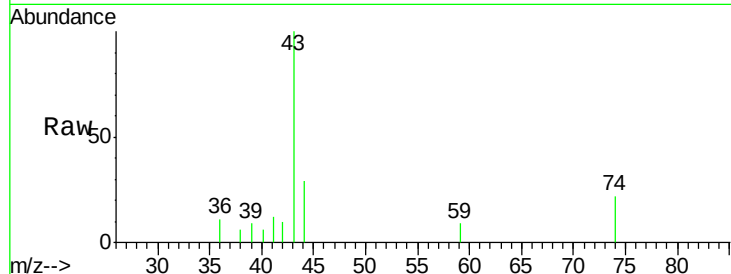
#18
Methyl Acetate
Concen: 0.991 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	43	74	Resp	Lower	Upper
6349	100	17.2		15.3	22.9

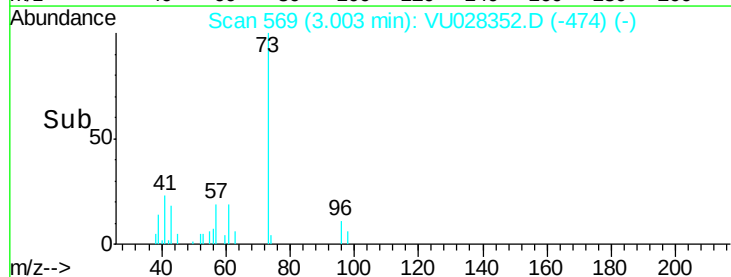
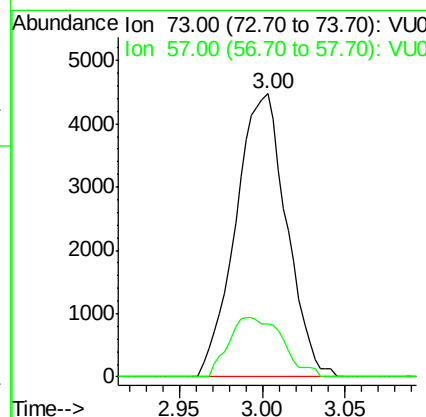
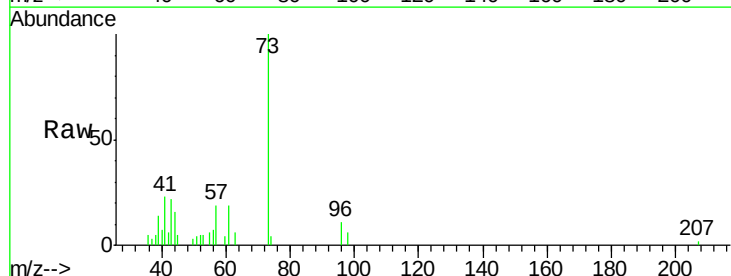
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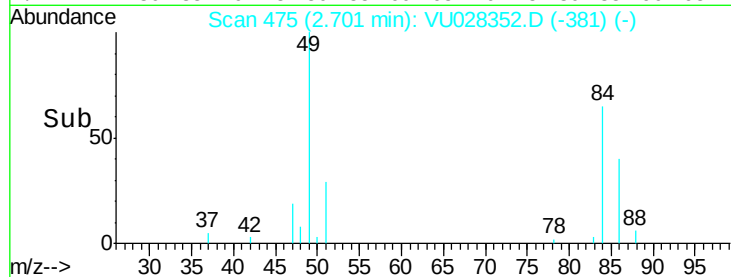
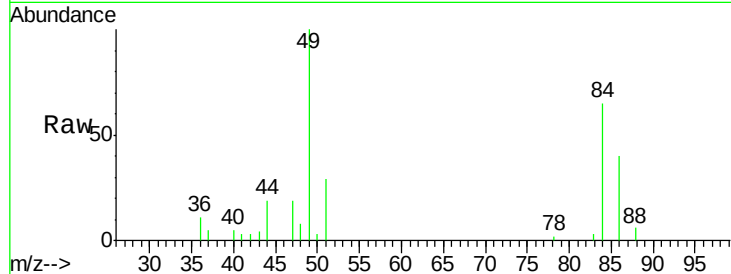
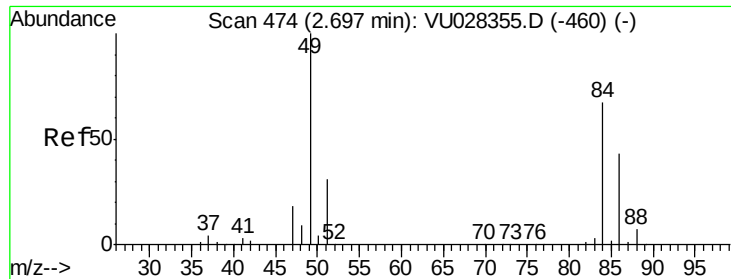
MMDadoda
11/29/2018 1:22:37 PM



#19
Methyl tert-butyl Ether
Concen: 0.969 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	73	57	Resp	Lower	Upper
9549	100	18.9		20.1	30.1#





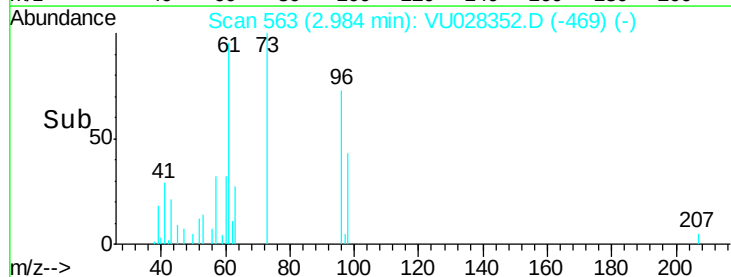
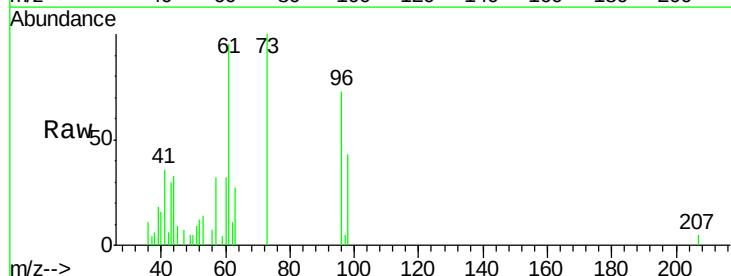
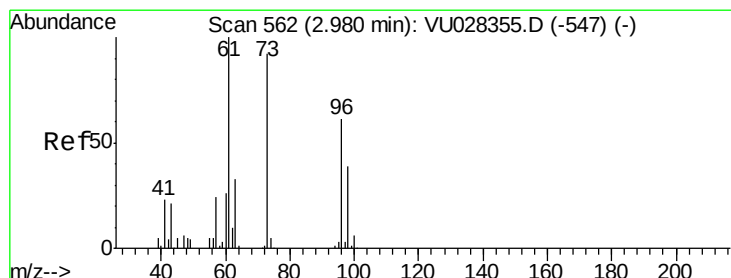
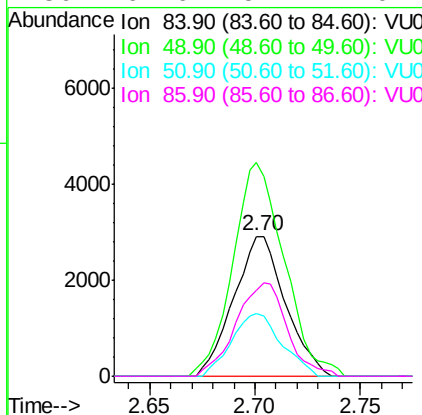
#20
Methylene Chloride
Concen: 1.395 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tot Ion:	84	Resp:	4965
Ion	Ratio	Lower	Upper
84	100		
49	152.8	120.0	180.0
51	45.0	36.9	55.3
86	61.6	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

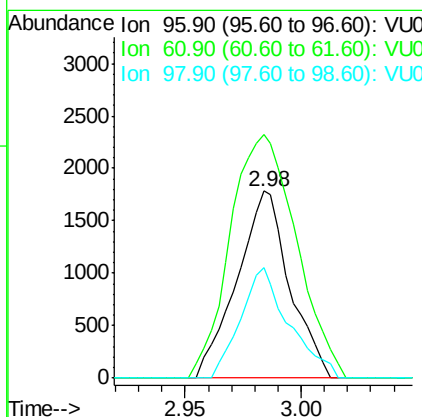
Manual Integrations
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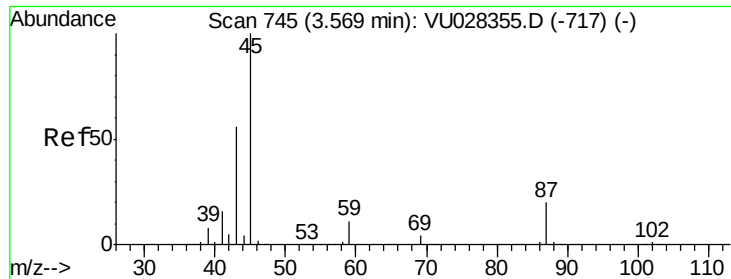
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 1.010 ug/l
RT: 2.98 min Scan# 563
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion:	96	Resp:	2816
Ion	Ratio	Lower	Upper
96	100		
61	130.1	131.1	196.7#
98	58.9	51.7	77.5





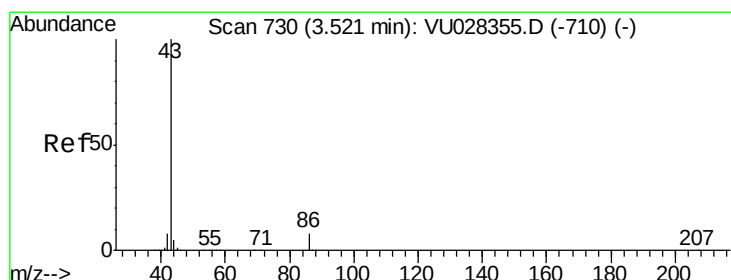
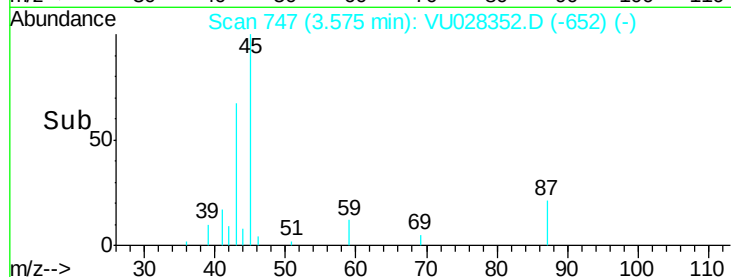
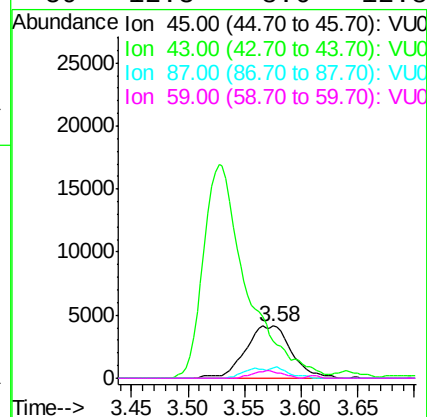
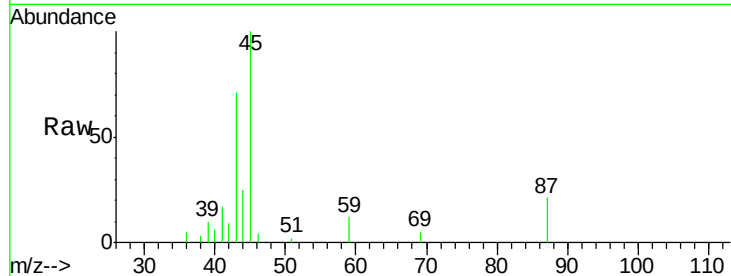
#22
Diisopropyl ether
Concen: 0.939 ug/l m
RT: 3.58 min Scan# 747
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
45	100		
43	70.8	44.8	67.2#
87	20.5	16.3	24.5
59	12.3	8.6	12.8

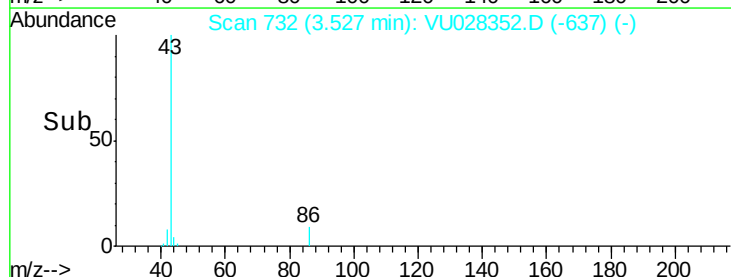
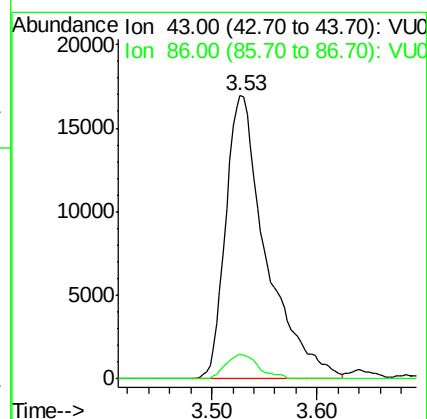
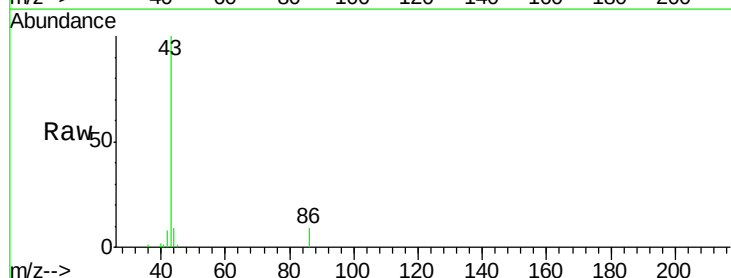
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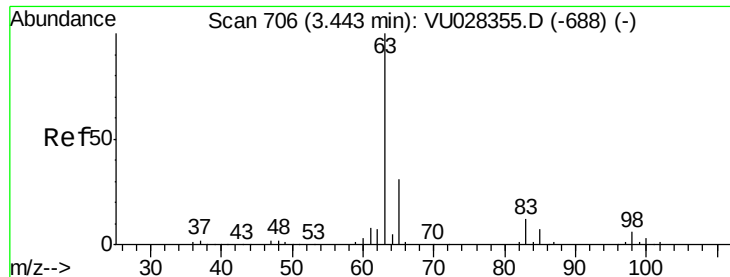
MMDadoda
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#23
Vinyl Acetate
Concen: 4.394 ug/l
RT: 3.53 min Scan# 732
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.5	9.7





#24

1,1-Dichloroethane

Concen: 0.850 ug/l

RT: 3.44 min Scan# 704

Delta R.T. -0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

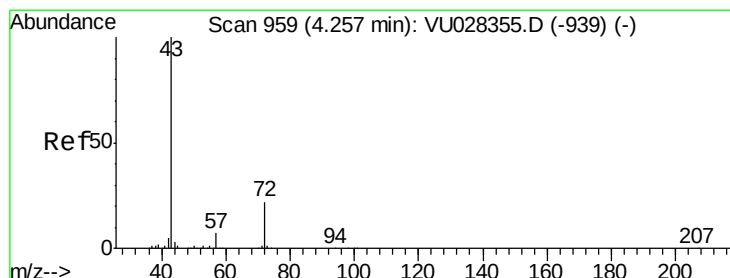
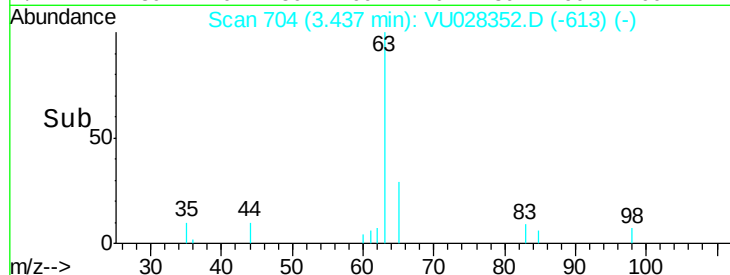
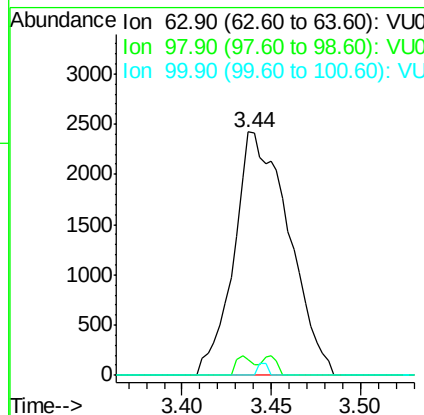
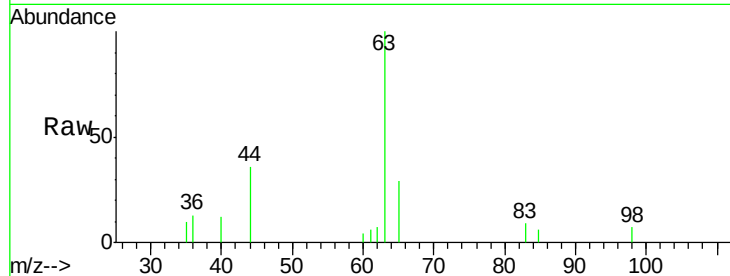
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	5184
Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.6
100	0.0	1.7	5.1#

Manual Integrations
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#25

2-Butanone

Concen: 4.652 ug/l

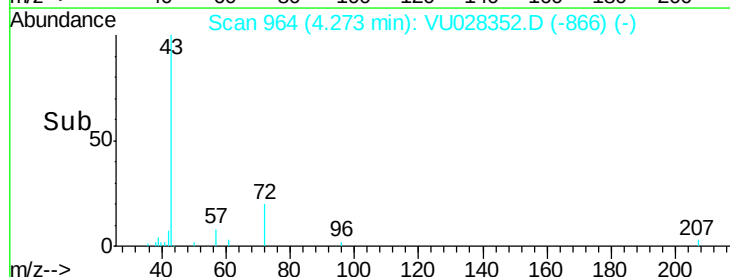
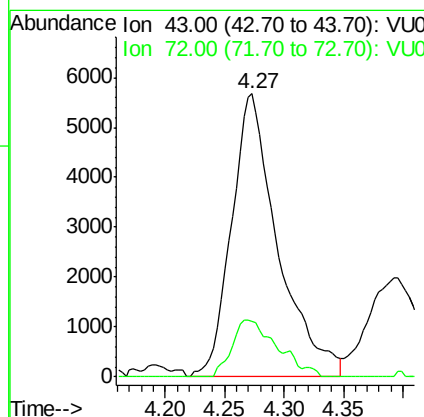
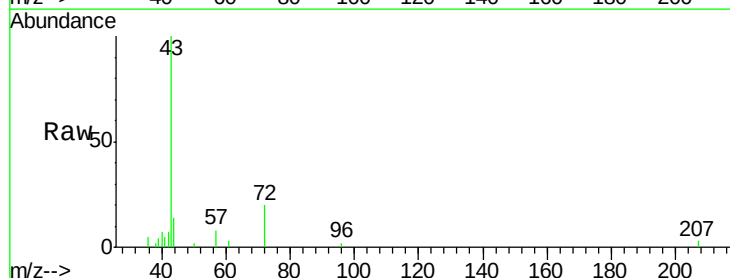
RT: 4.27 min Scan# 964

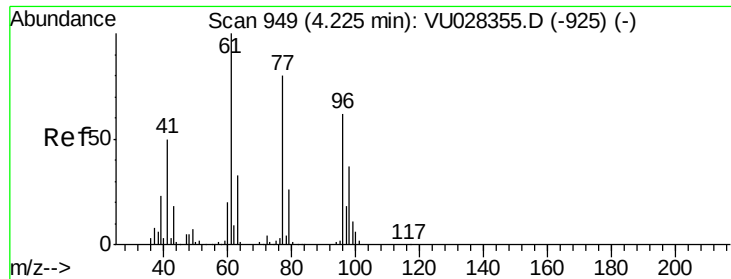
Delta R.T. 0.02 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	43	Resp:	15337
Ion	Ratio	Lower	Upper
43	100		
72	19.8	17.7	26.5





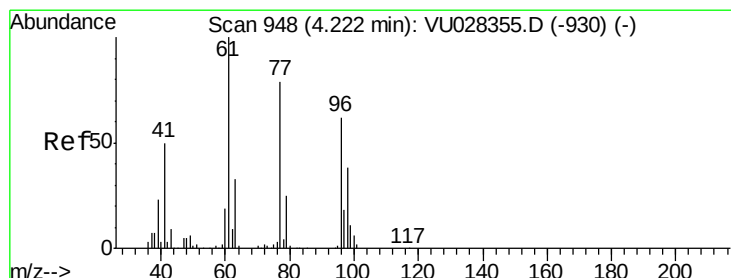
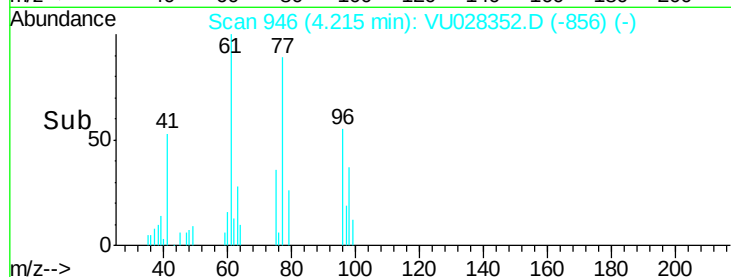
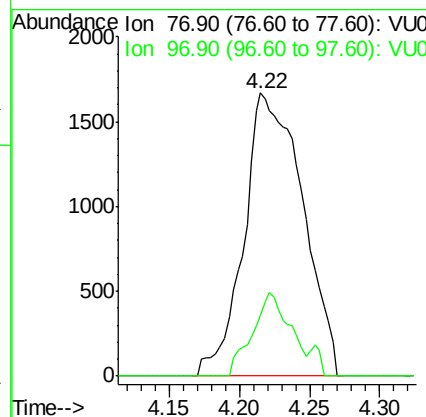
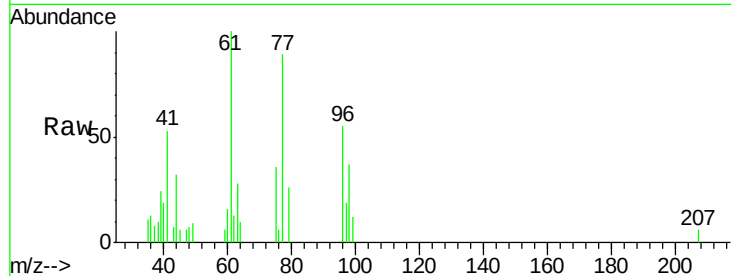
#26
 2,2-Dichloropropane
 Concen: 0.999 ug/l
 RT: 4.22 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 4835
 Ion Ratio Lower Upper
 77 100
 97 19.0 10.7 32.1

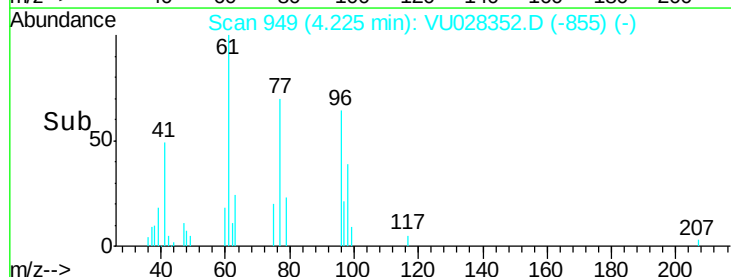
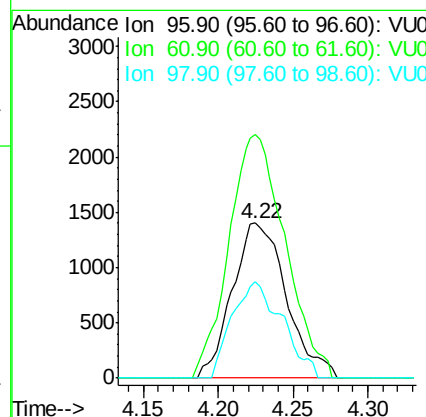
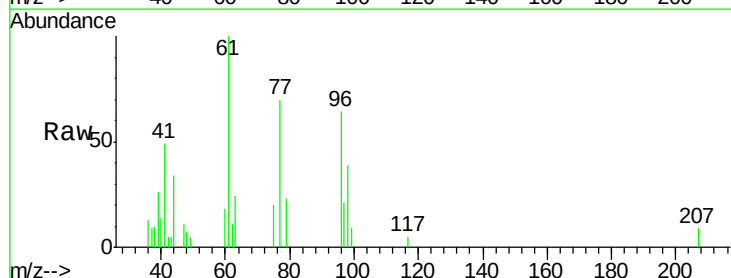
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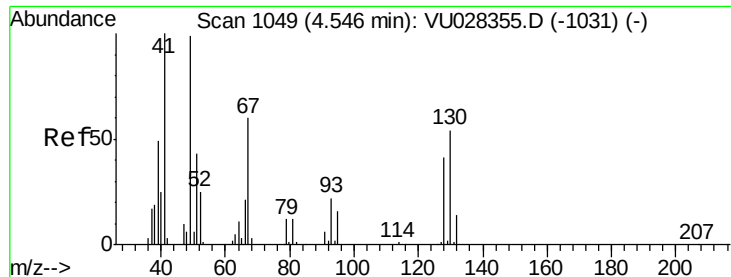
MMDadoda
 11/29/2018 1:22:37 PM



#27
 cis-1,2-Dichloroethene
 Concen: 1.070 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 96 Resp: 3529
 Ion Ratio Lower Upper
 96 100
 61 162.9 0.0 342.0
 98 57.7 0.0 126.4





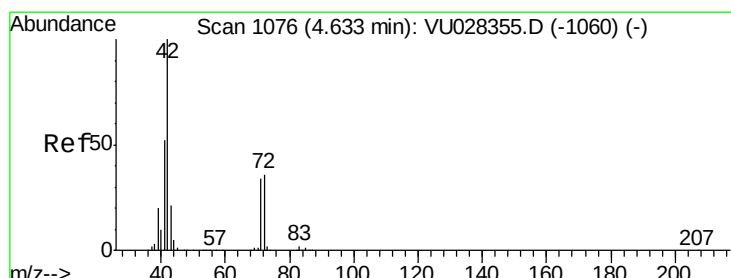
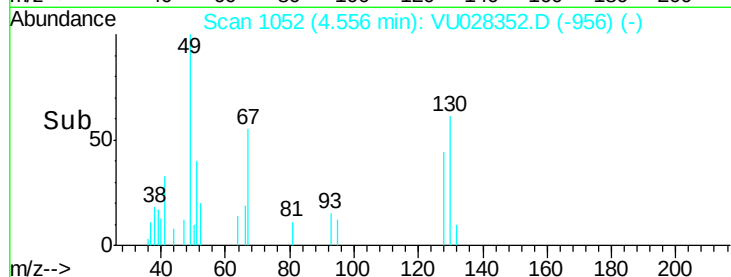
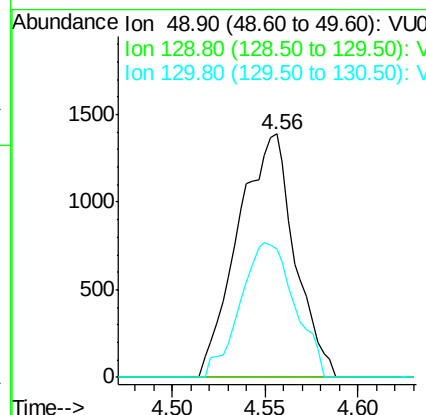
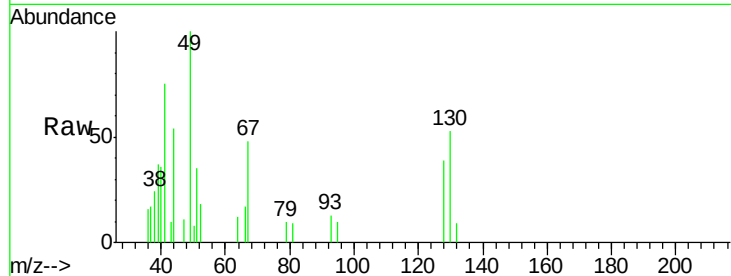
#28
Bromochloromethane
Concen: 0.966 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.6
130	53.0	44.5	66.7

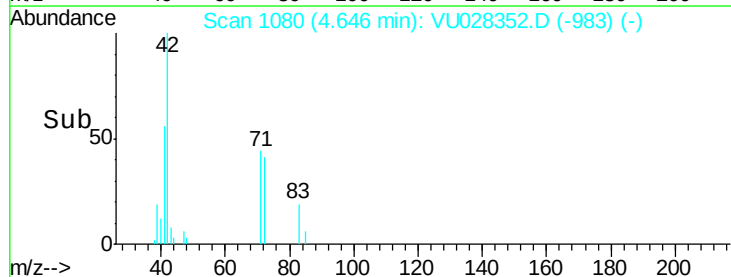
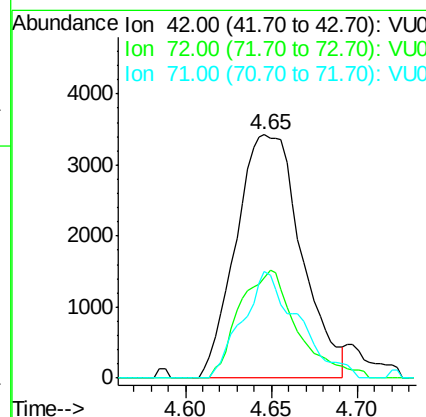
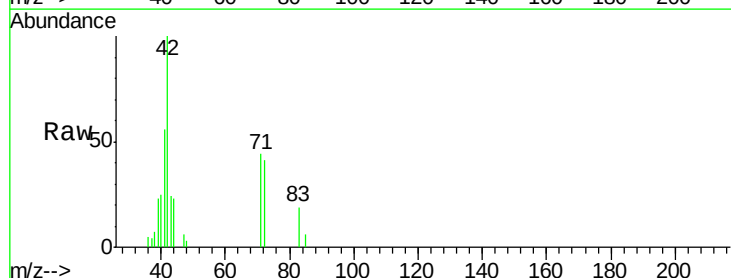
Manual Integrations
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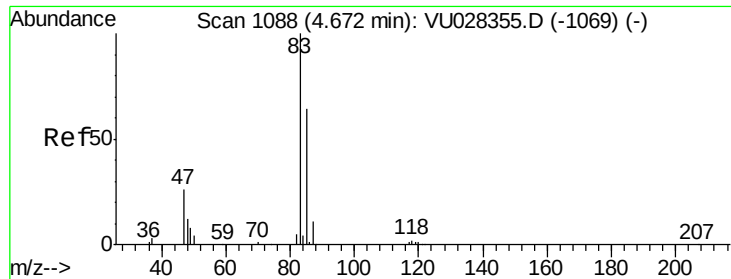
MMDadoda
11/29/2018 1:22:37 PM



#29
Tetrahydrofuran
Concen: 4.212 ug/l
RT: 4.65 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.4	29.5	44.3
71	37.5	27.7	41.5





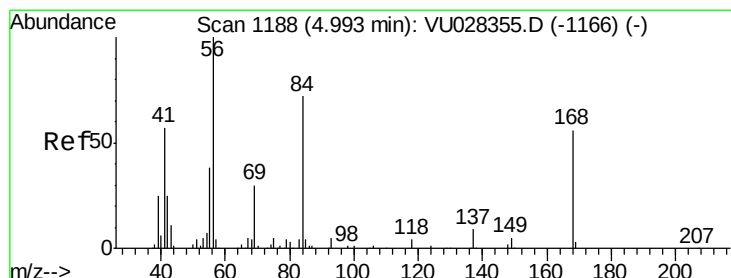
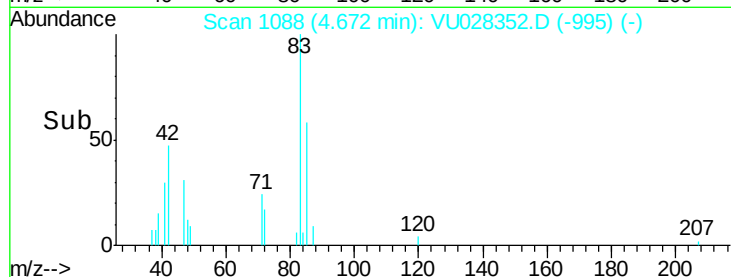
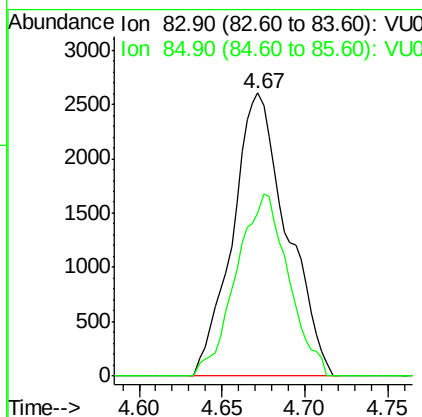
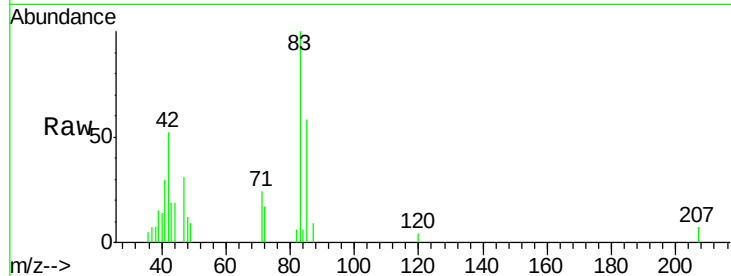
#30
Chloroform
Concen: 1.054 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	5931
Ion Ratio	100	Lower	Upper
85	57.6	51.2	76.8

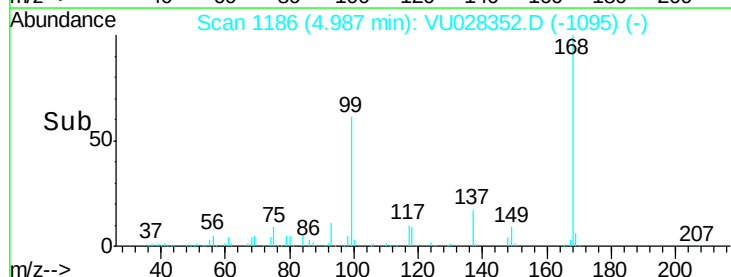
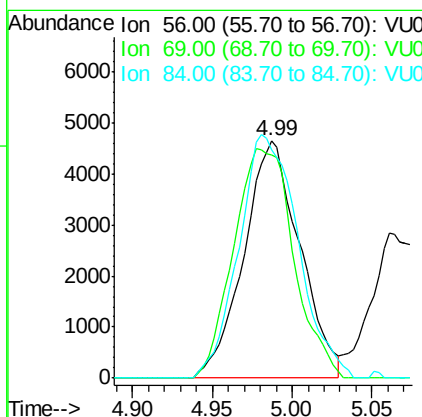
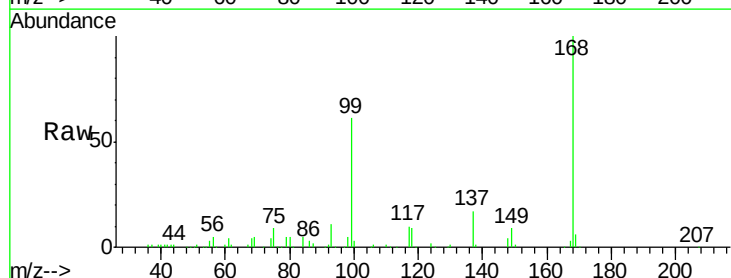
Manual Integrations
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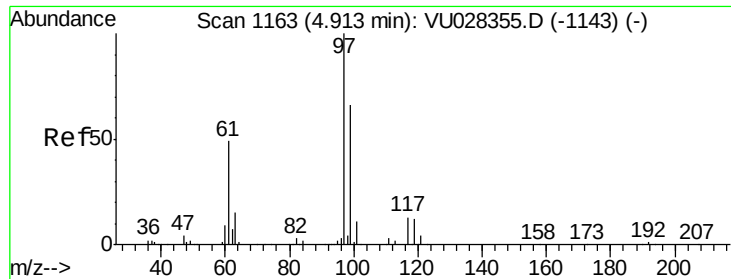
MMDadoda
11/29/2018 1:22:37 PM



#31
Cyclohexane
Concen: 1.549 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	56	Resp	11212
Ion Ratio	100	Lower	Upper
69	94.0	23.7	35.5#
84	96.2	57.3	85.9#





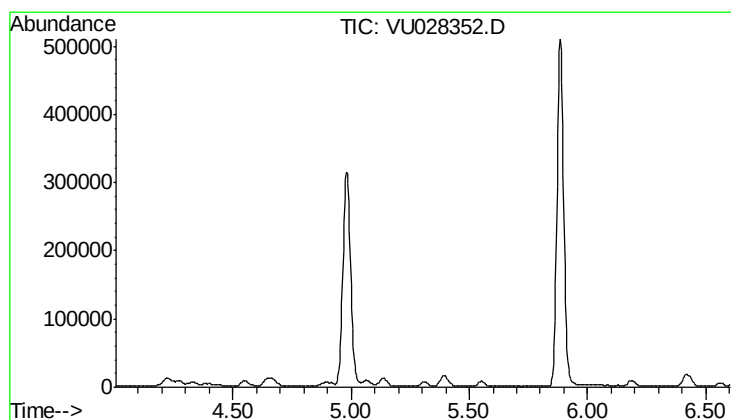
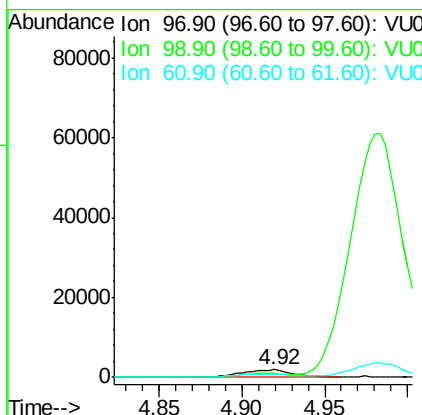
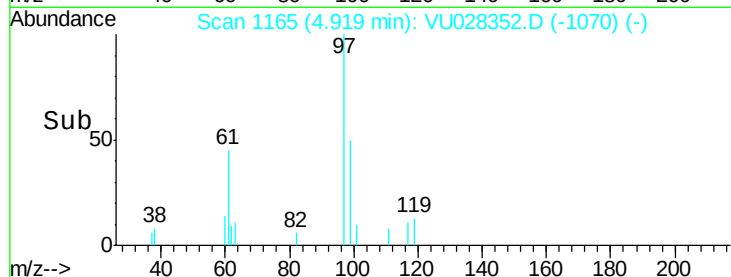
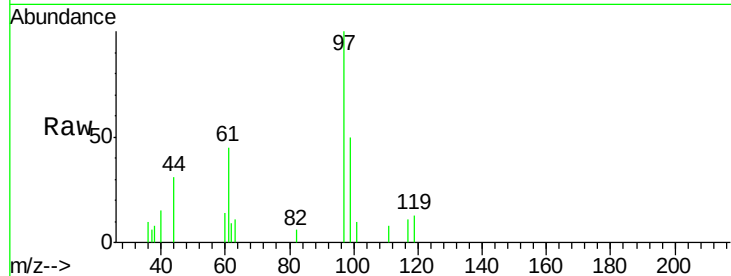
#32
 1,1,1-Trichloroethane
 Concen: 0.918 ug/l
 RT: 4.92 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	50.8	76.2#	
61	49.4	39.1	58.7	

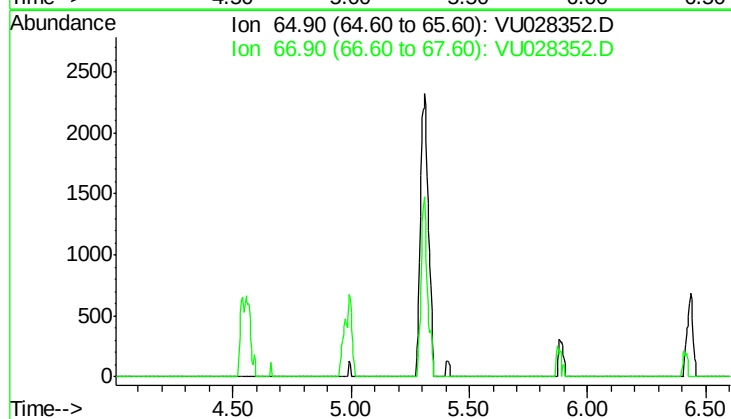
Manual Integrations
 APPROVED

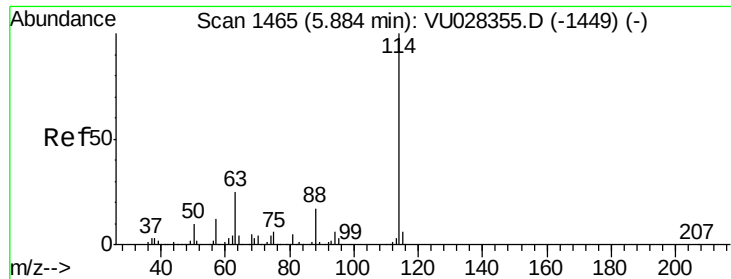
MMDadoda
 11/29/2018 1:22:37 PM



#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 5.31 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.4	





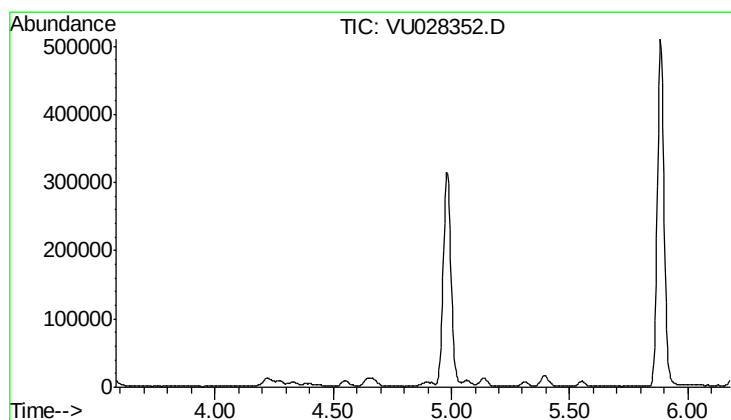
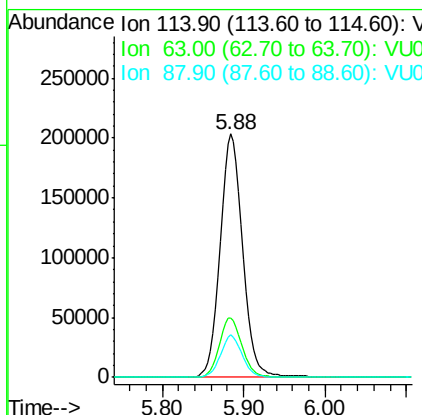
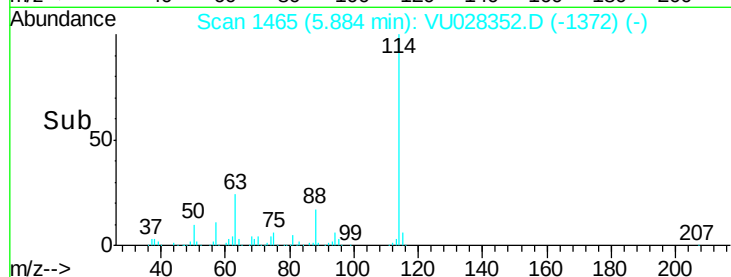
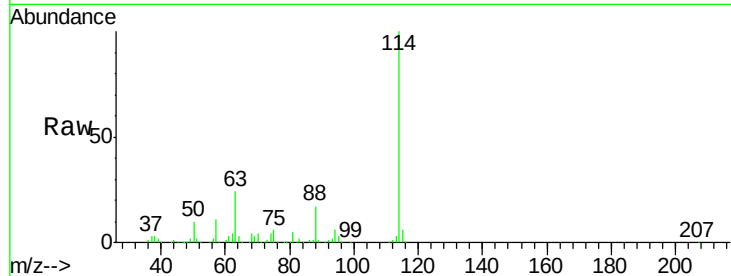
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.5	0.0	50.0
88	17.4	0.0	34.4

Manual Integrations
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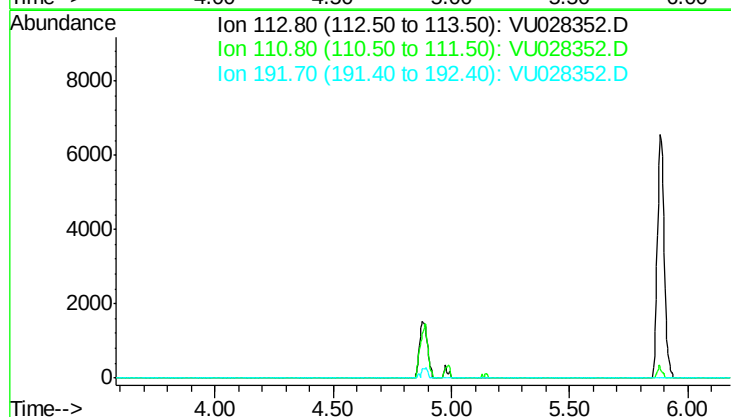
MMDadoda
 11/29/2018 1:22:37 PM

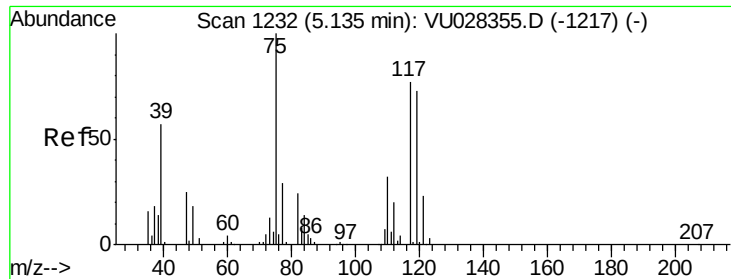


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.88 min

Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Exp Ratio
113	100
111	103.6
192	19.2





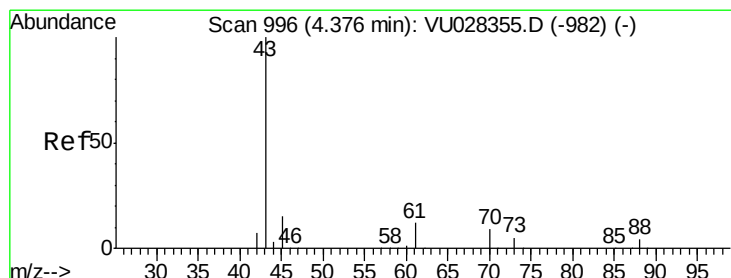
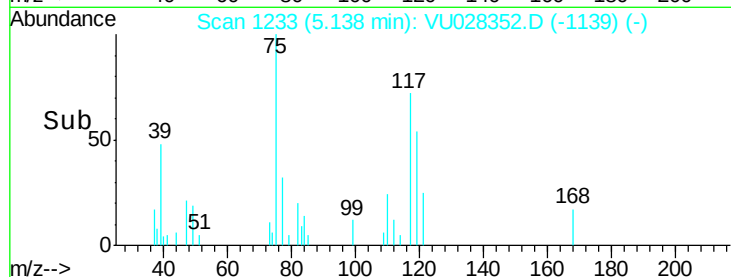
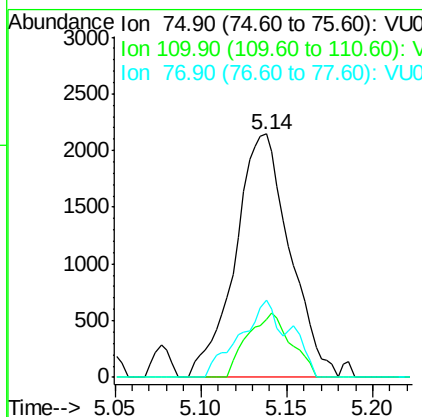
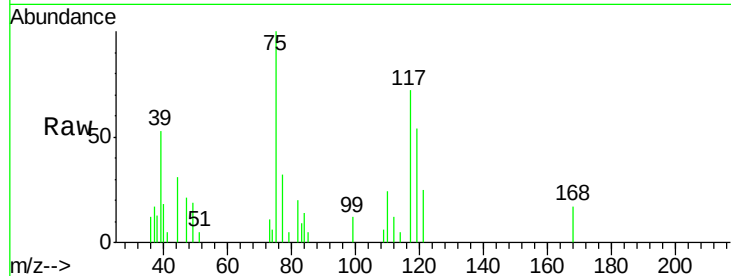
#36
 1,1-Dichloropropene
 Concen: 1.081 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	21.2	15.8	47.4
77	22.3	24.6	36.8#

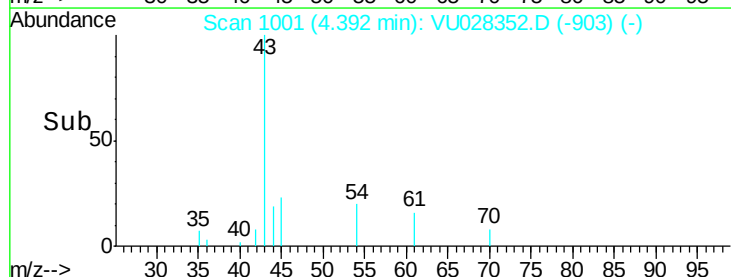
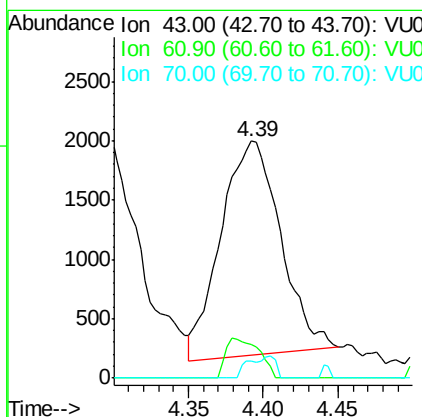
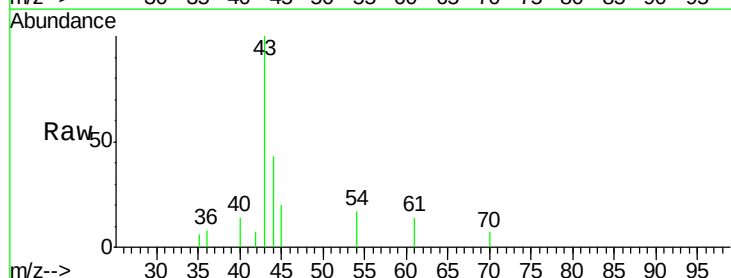
Manual Integrations
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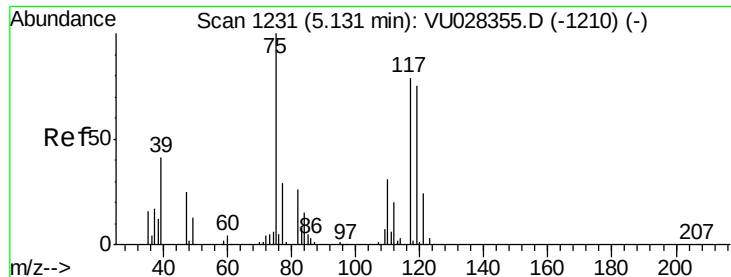
MMDadoda
 11/29/2018 1:22:37 PM



#37
 Ethyl Acetate
 Concen: 0.843 ug/l
 RT: 4.39 min Scan# 1001
 Delta R.T. 0.02 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.4	10.2	15.4
70	0.0	6.9	10.3#





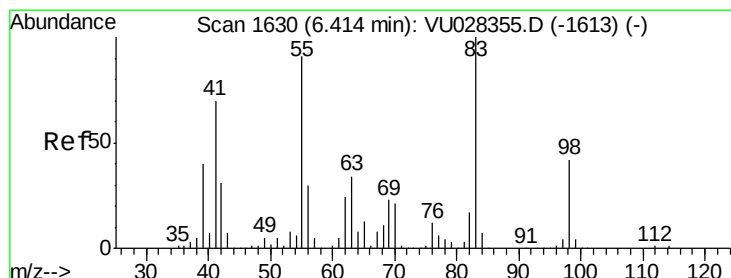
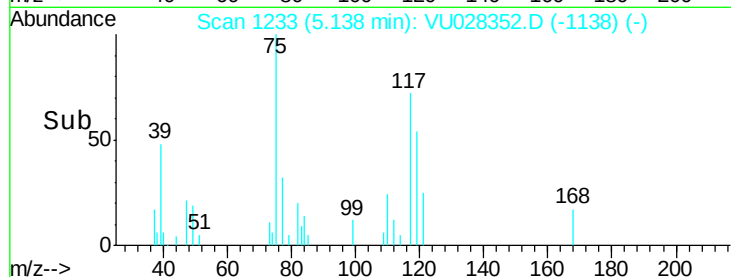
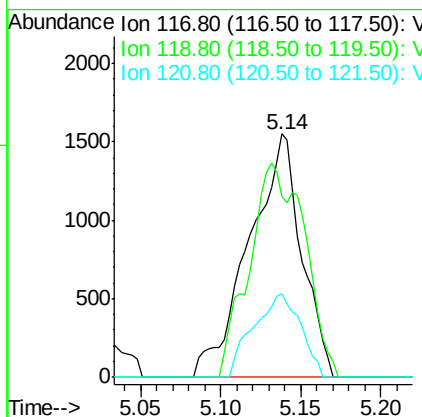
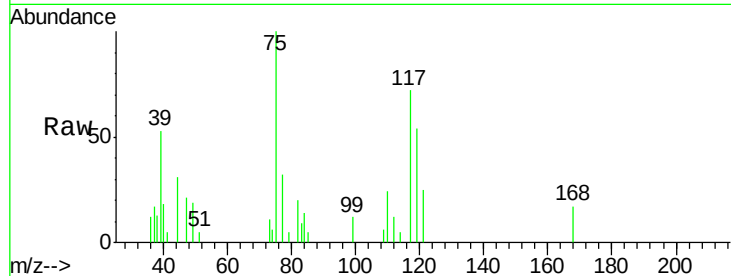
#38
Carbon Tetrachloride
Concen: 0.973 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	74.5	76.3	114.5#
121	34.2	24.7	37.1

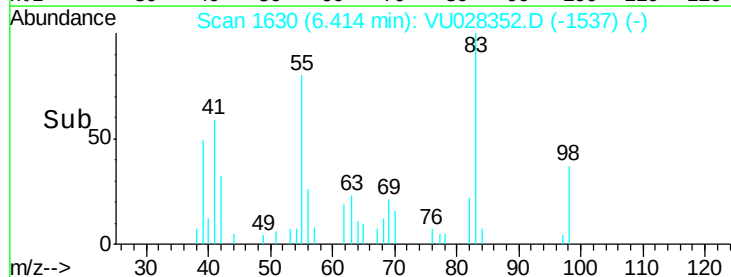
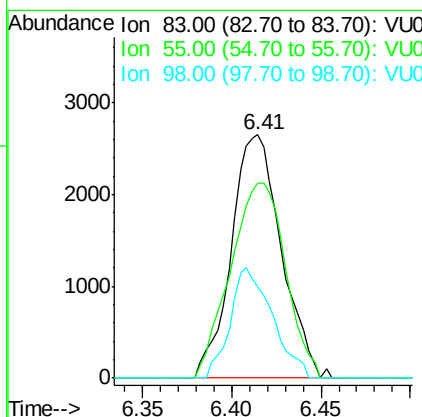
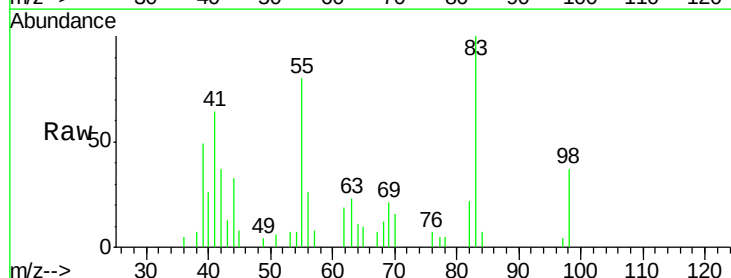
Manual Integrations
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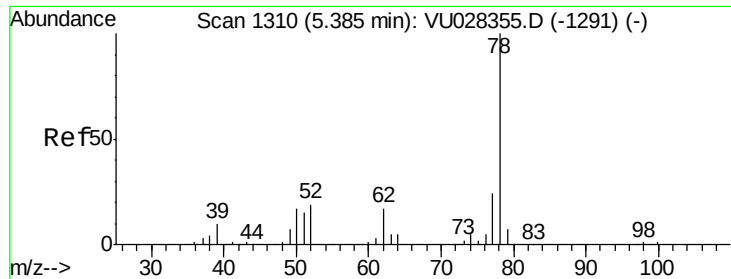
MMDadoda
11/29/2018 1:22:37 PM



#39
Methylcyclohexane
Concen: 1.005 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.2	73.1	109.7
98	37.3	33.9	50.9





#40

Benzene

Concen: 0.905 ug/l

RT: 5.39 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 11695

Ion Ratio Lower Upper

78 100

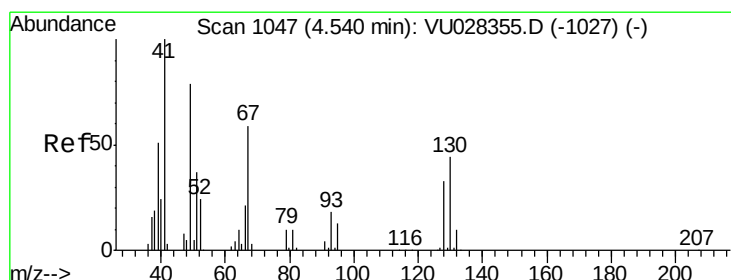
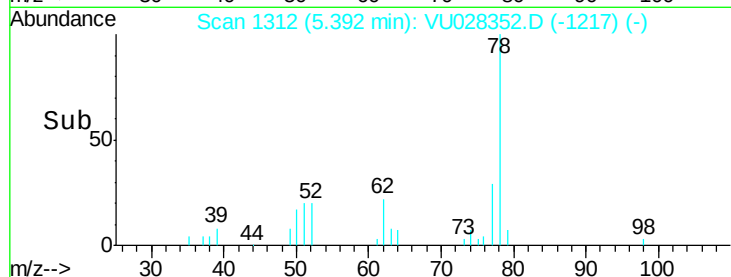
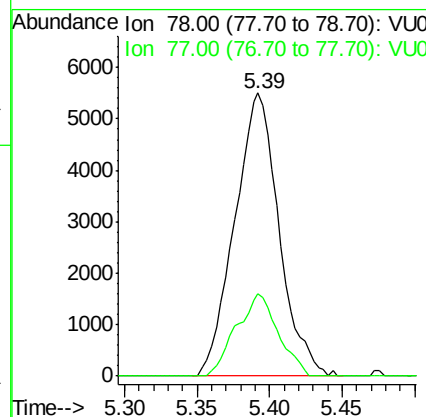
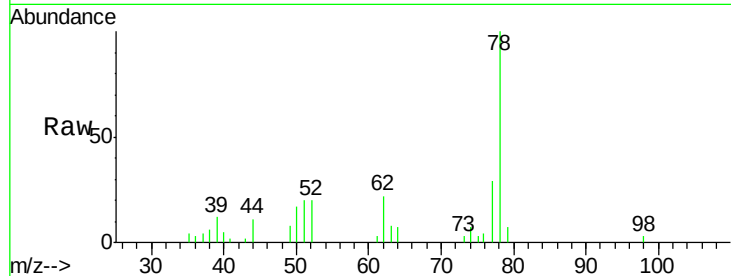
77 29.1 19.0 28.6#

Manual Integrations

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MMDadoda

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#41

Methacrylonitrile

Concen: 0.795 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion: 41 Resp: 2627

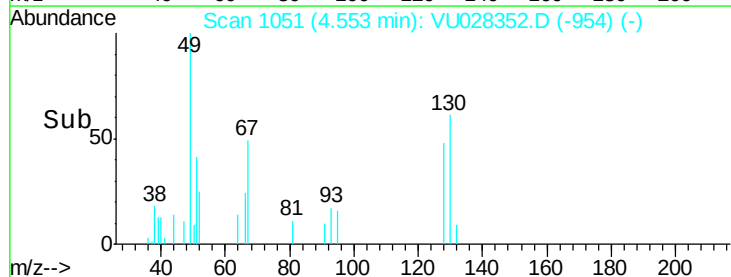
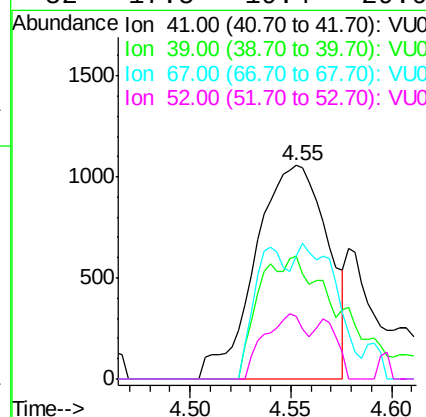
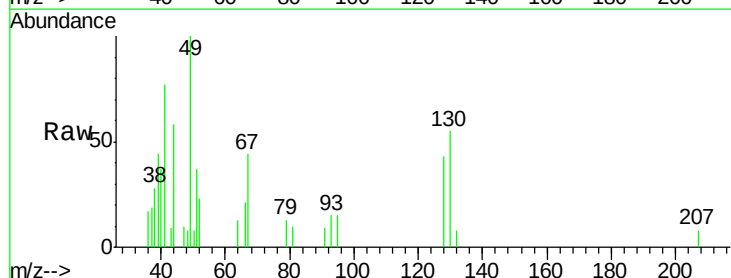
Ion Ratio Lower Upper

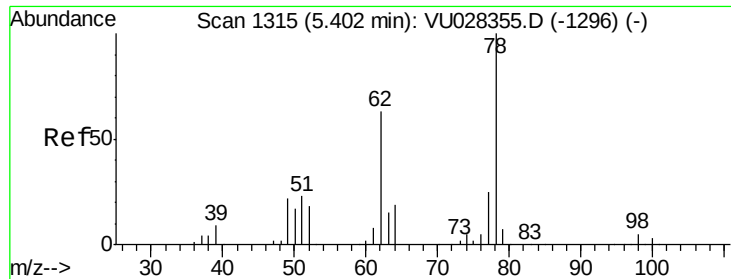
41 100

39 22.3 41.3 61.9#

67 29.4 48.6 73.0#

52 17.5 19.4 29.0#





#42

1,2-Dichloroethane

Concen: 0.959 ug/l

RT: 5.40 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 4467

Ion Ratio Lower Upper

62 100

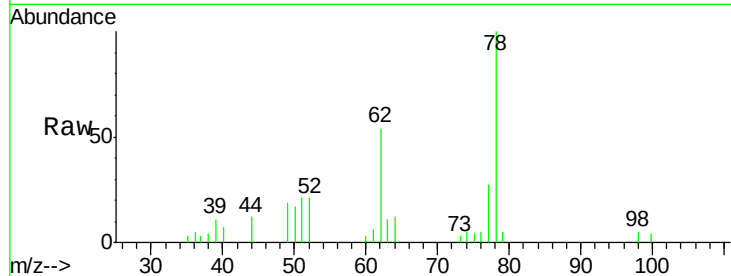
98 3.9 0.0 15.4

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

2500

2000

1500

1000

500

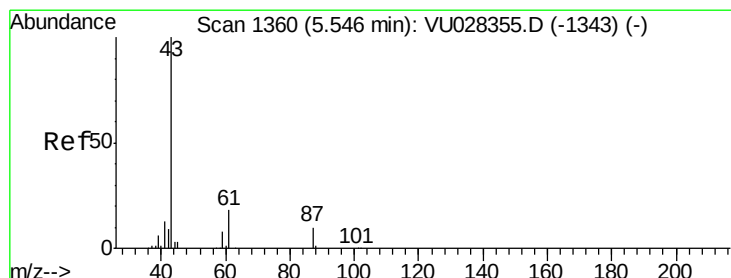
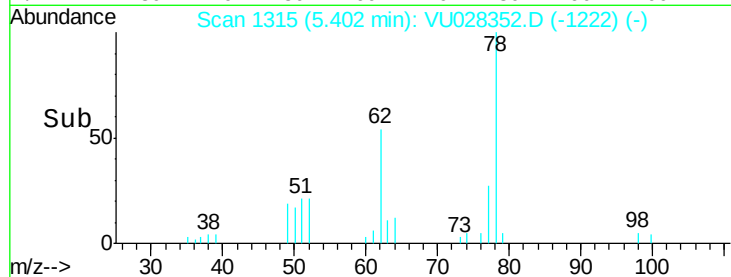
0

5.35

5.40

5.45

Time-->



#43

Isopropyl Acetate

Concen: 0.906 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

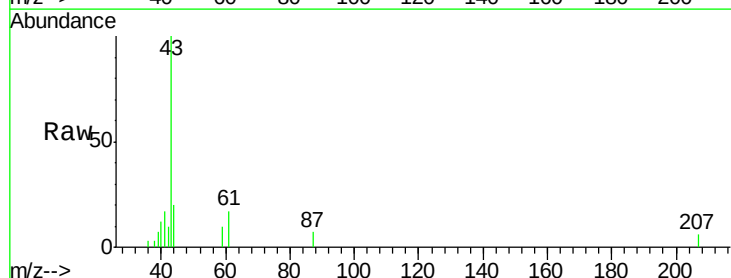
Tgt Ion: 43 Resp: 8536

Ion Ratio Lower Upper

43 100

61 14.6 14.5 21.7

87 6.8 8.4 12.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

5000

4000

3000

2000

1000

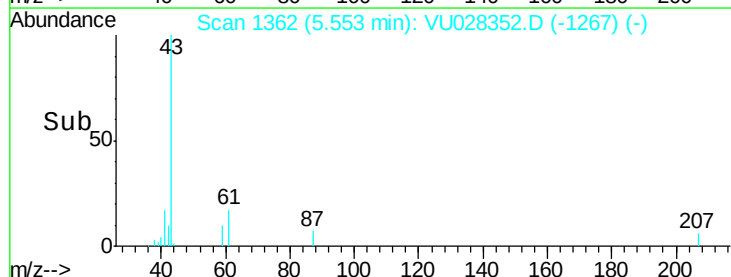
0

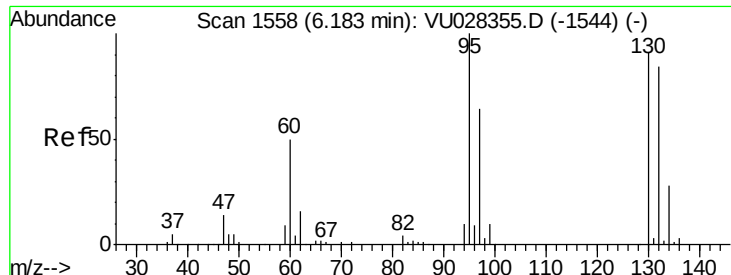
5.50

5.55

5.60

Time-->





#44

Trichloroethene

Concen: 0.951 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 2634

Ion Ratio Lower Upper

130 100

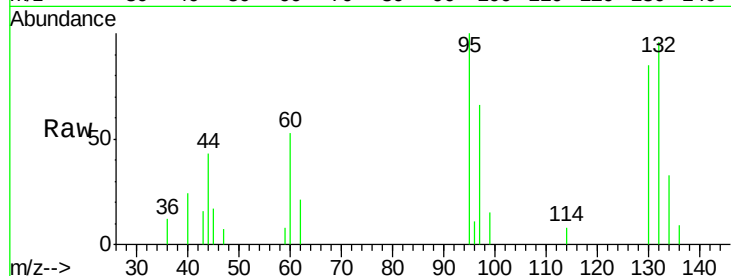
95 109.7 0.0 219.8

Manual Integrations

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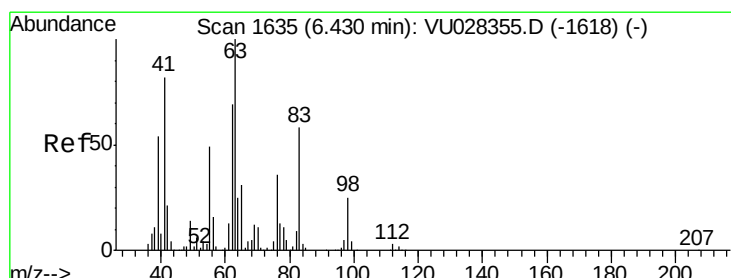
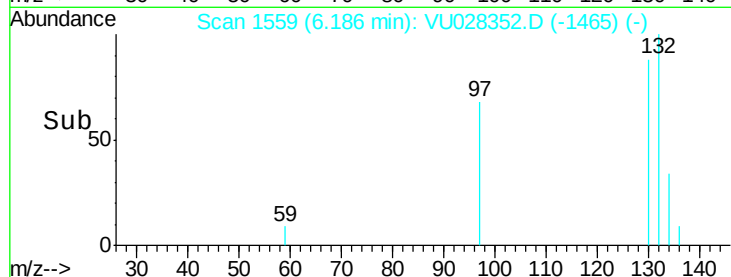
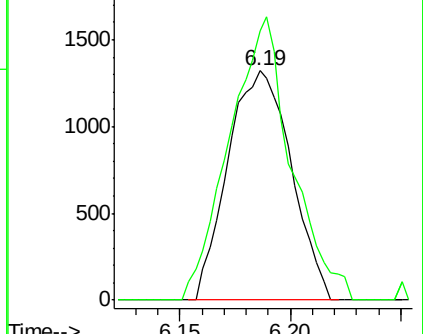
MMDadoda

11/29/2018 1:22:37 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#45

1,2-Dichloropropane

Concen: 0.883 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU028352.D

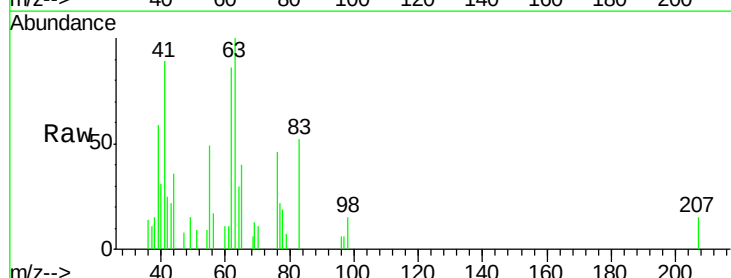
Acq: 28 Nov 2018 09:11

Tgt Ion: 63 Resp: 3343

Ion Ratio Lower Upper

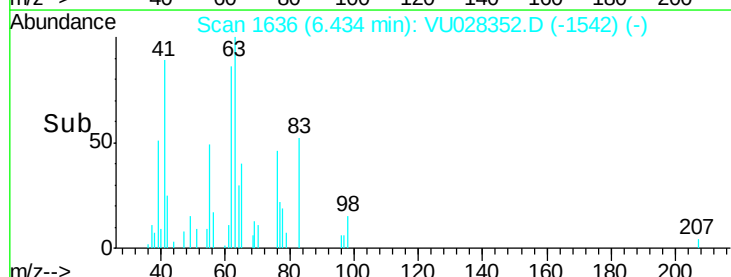
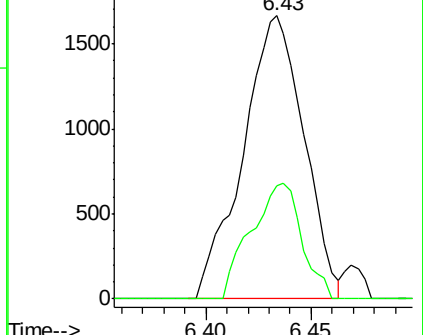
63 100

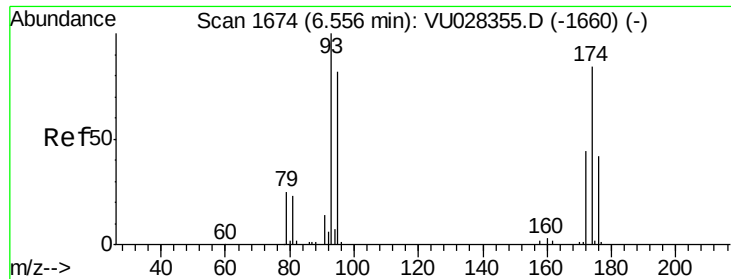
65 39.8 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0





#46

Dibromomethane

Concen: 0.869 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

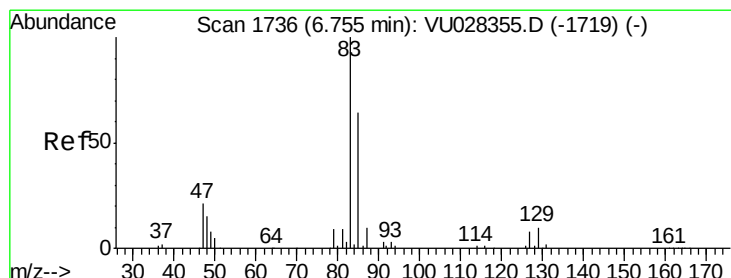
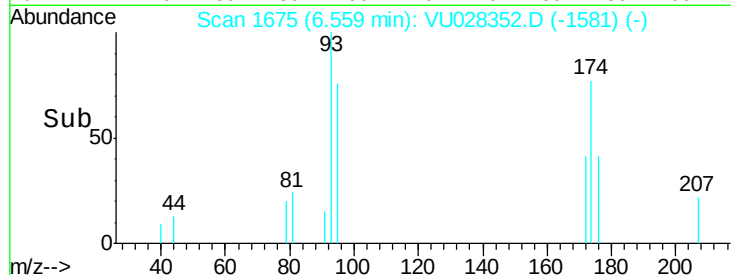
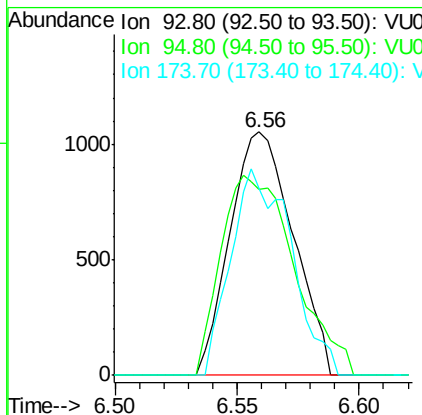
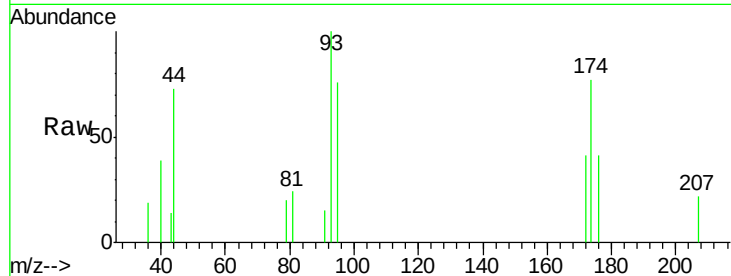
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	1889
Ion	Ratio	Lower	Upper
93	100		
95	95.8	65.1	97.7
174	81.4	69.9	104.9

Manual Integrations
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11/29/2018 1:22:37 PM



#47

Bromodichloromethane

Concen: 0.973 ug/l

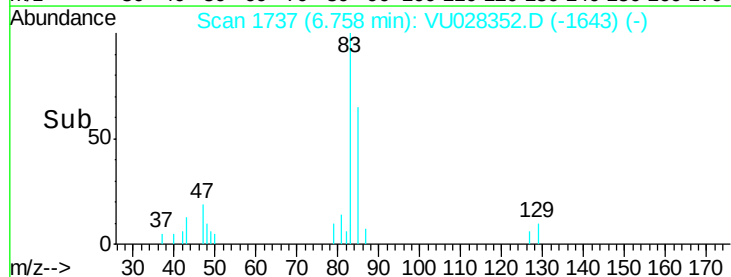
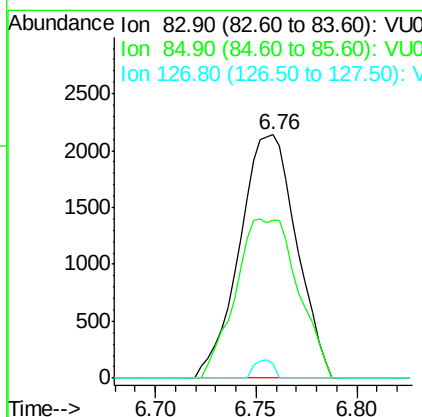
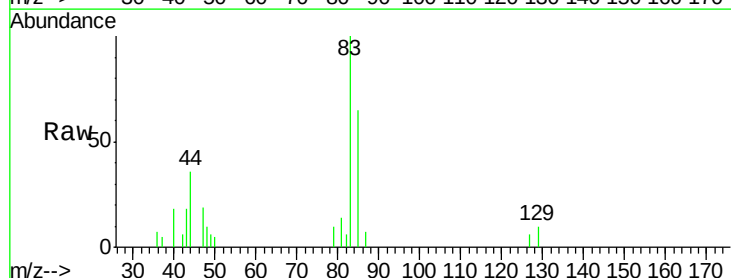
RT: 6.76 min Scan# 1737

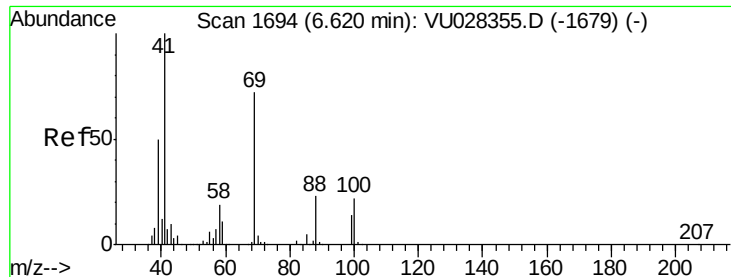
Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	83	Resp:	4208
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3
127	5.8	6.2	9.4#





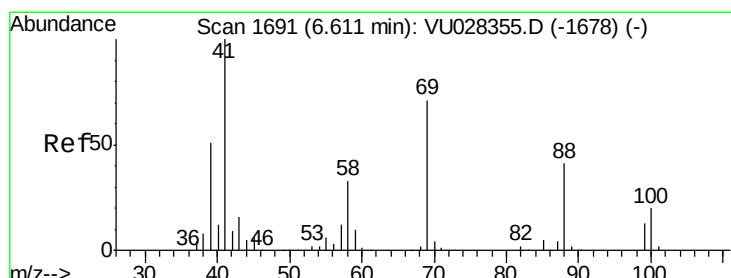
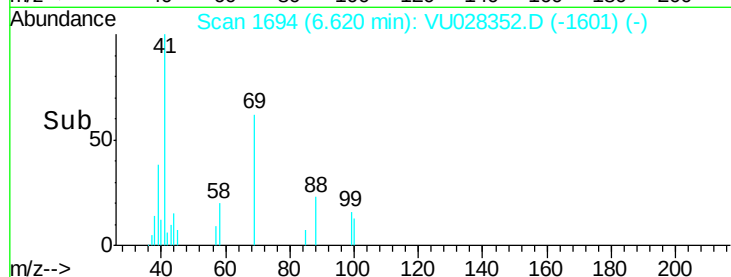
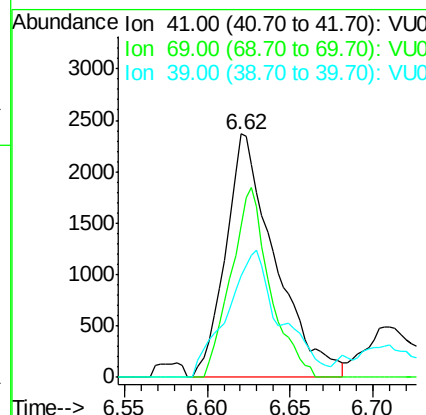
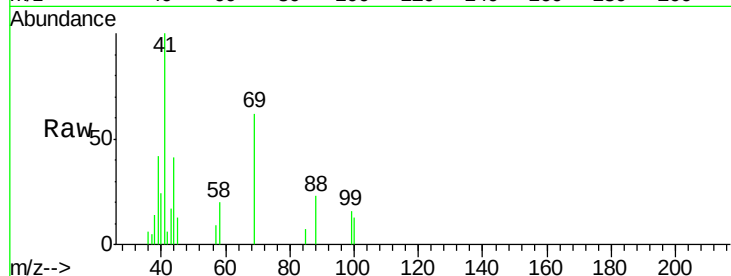
#48
Methvl methacrylate
Concen: 0.998 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	61.4	59.0	88.4
39	56.4	40.5	60.7

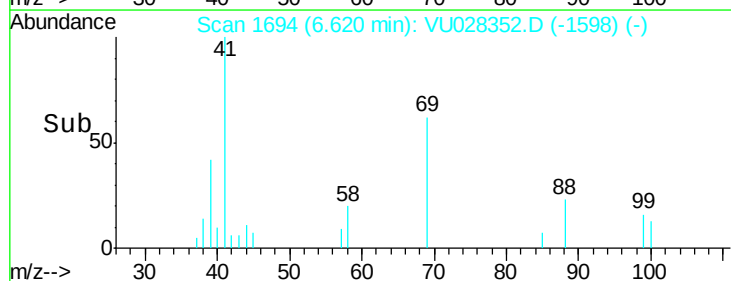
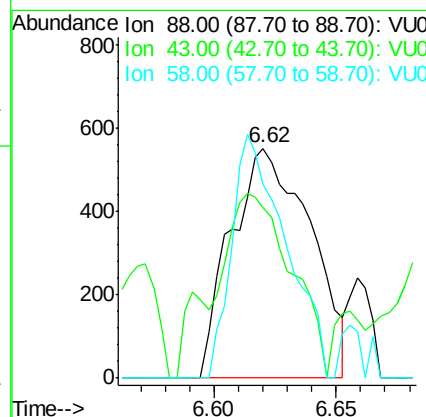
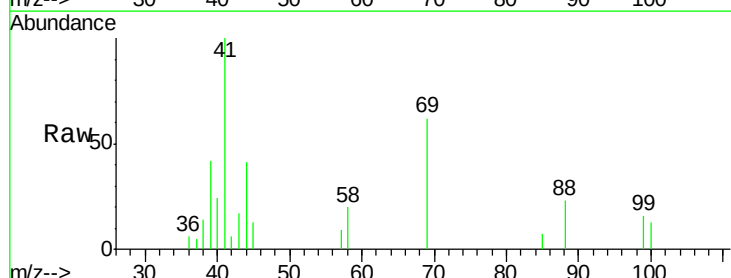
Manual Integrations
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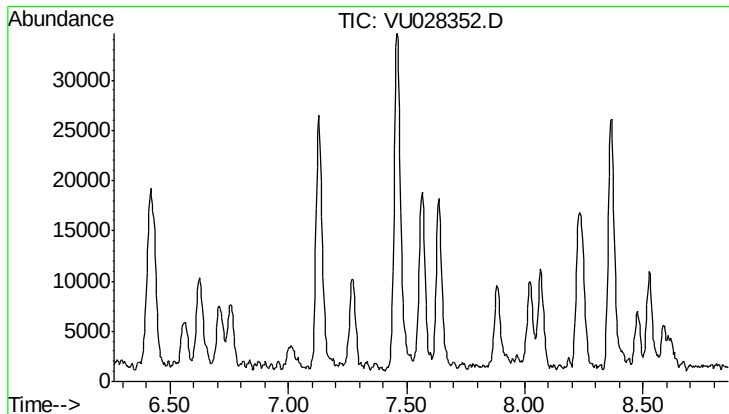
MMDadoda
11/29/2018 1:22:37 PM



#49
1,4-Dioxane
Concen: 15.927 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	66.6	32.6	48.8#
58	71.8	68.7	103.1





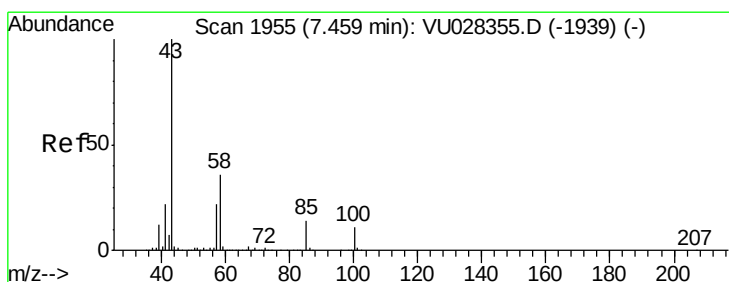
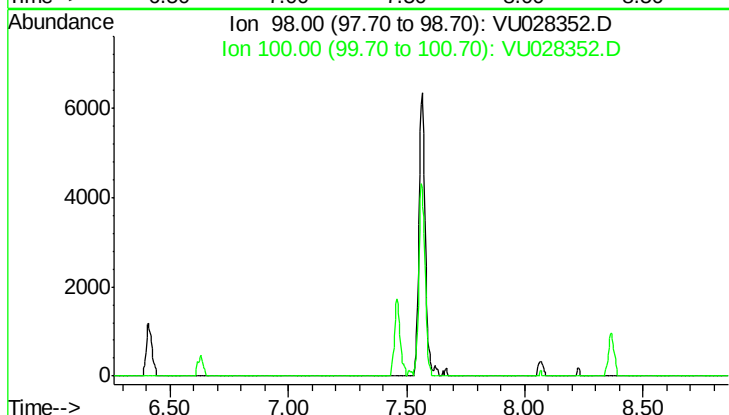
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.56 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.5

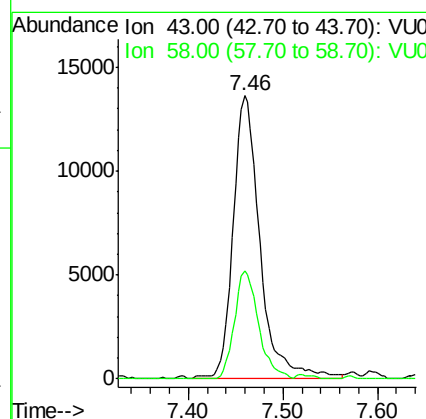
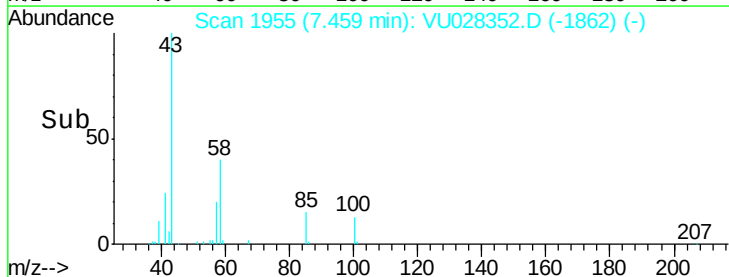
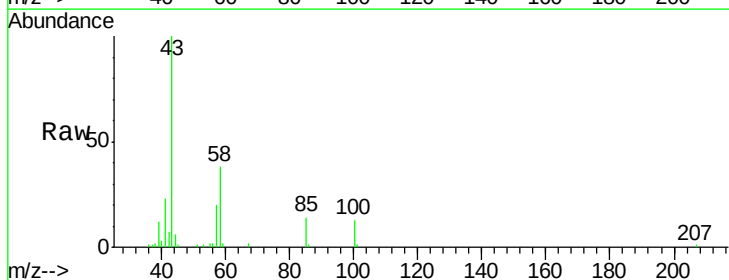
Manual Integrations
APPROVED

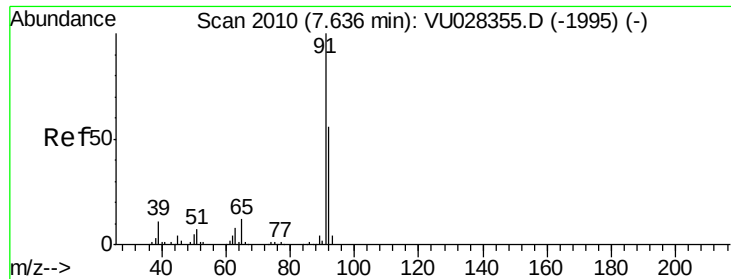
MMDadoda
11/29/2018 1:22:37 PM



#51
4-Methyl-2-Pentanone
Concen: 4.489 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion: 43 Resp: 27016
Ion Ratio Lower Upper
43 100
58 33.9 28.8 43.2





#52

Toluene

Concen: 0.872 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 6492

Ion Ratio Lower Upper

92 100

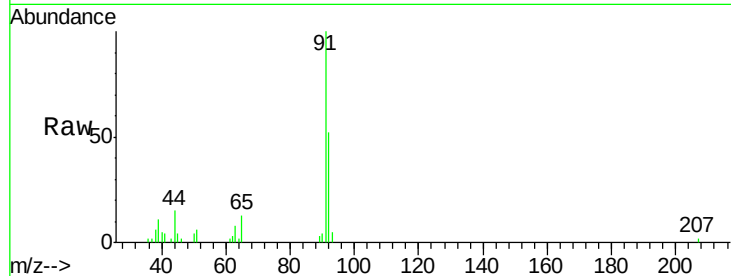
91 187.7 141.8 212.6

Manual Integrations

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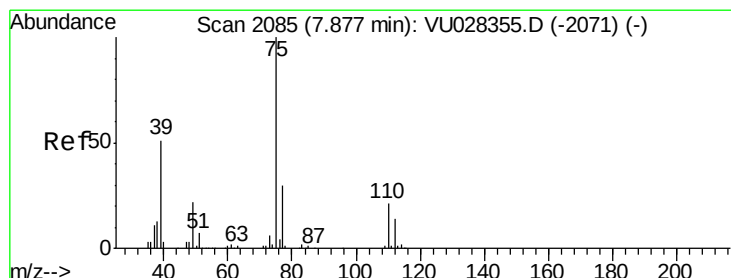
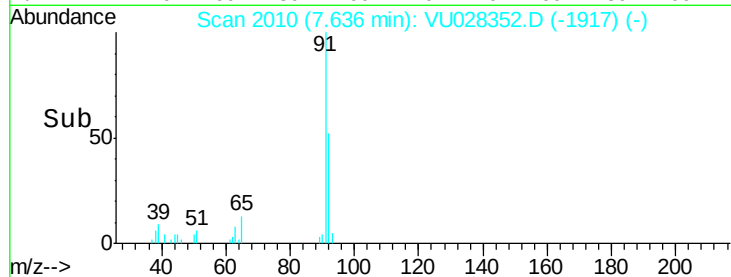
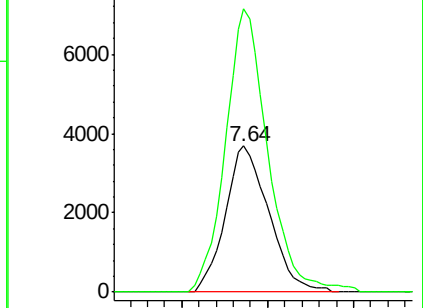
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#53

t-1,3-Dichloropropene

Concen: 0.942 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.01 min

Lab File: VU028352.D

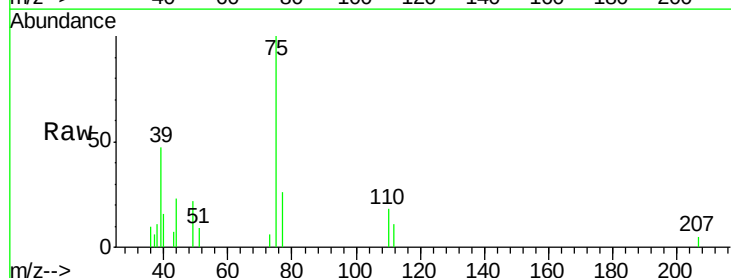
Acq: 28 Nov 2018 09:11

Tgt Ion: 75 Resp: 4869

Ion Ratio Lower Upper

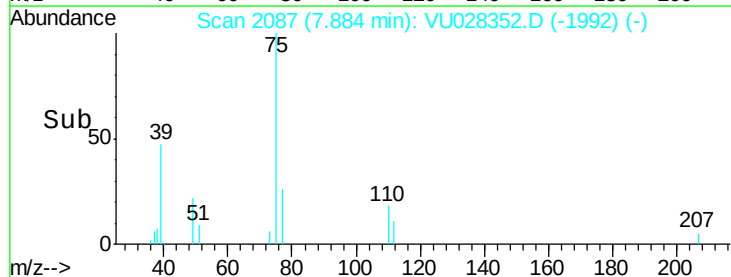
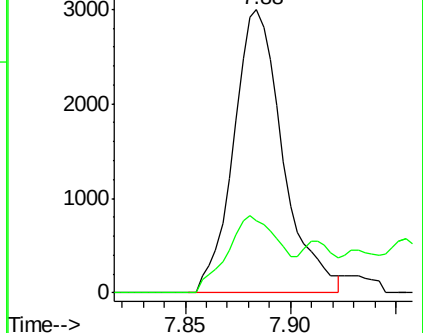
75 100

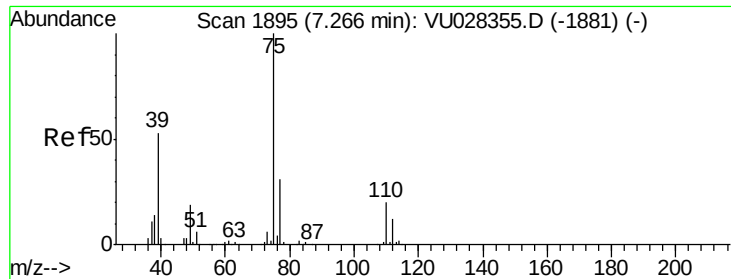
77 25.7 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0





#54

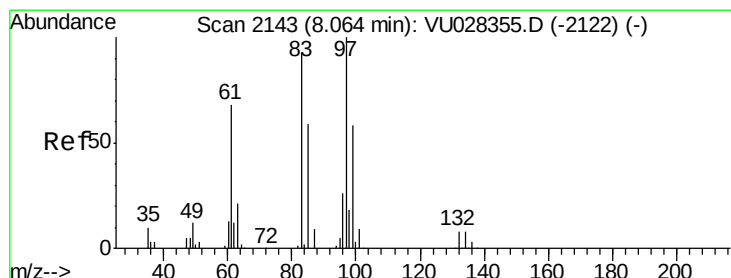
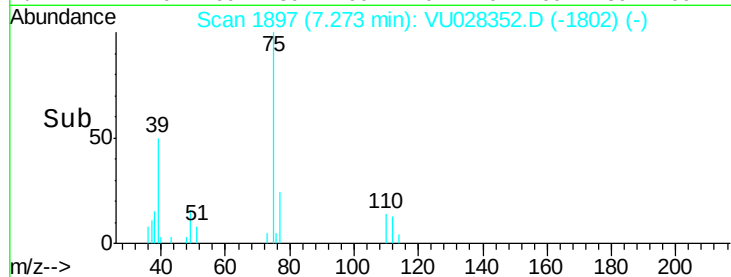
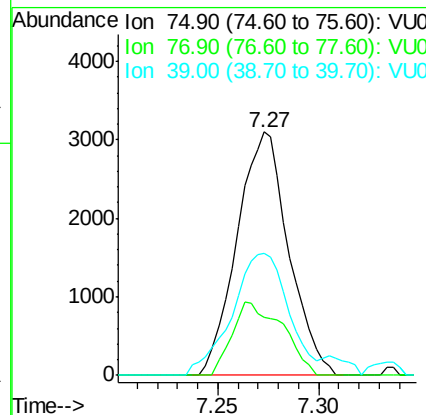
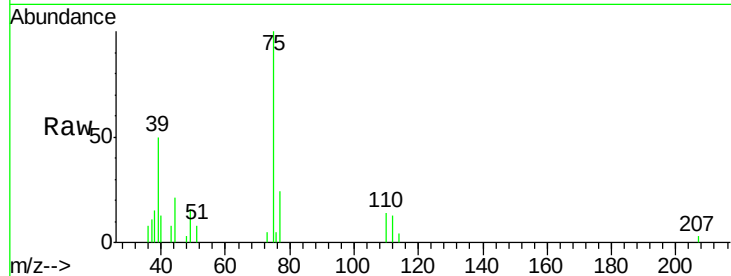
cis-1,3-Dichloropropene
 Concen: 0.999 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	23.6	24.9	37.3#
39	45.8	42.6	64.0

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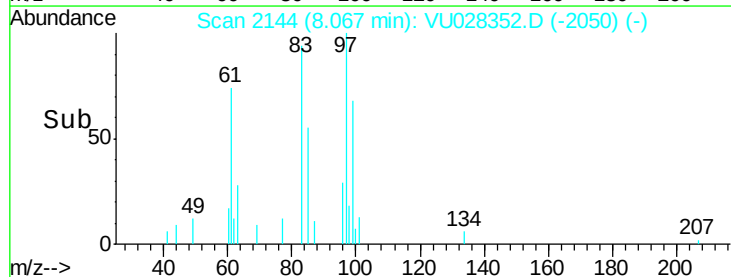
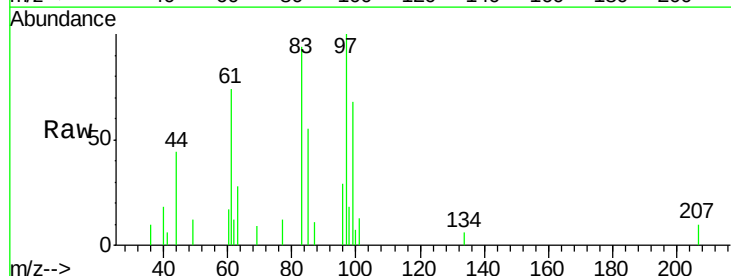
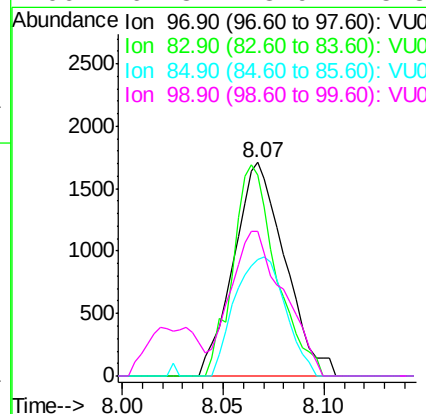
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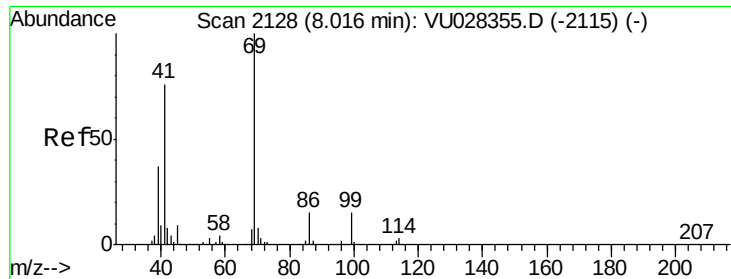


#55

1,1,2-Trichloroethane
 Concen: 0.981 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.9	74.3	111.5
85	54.9	47.2	70.8
99	67.8	48.9	73.3





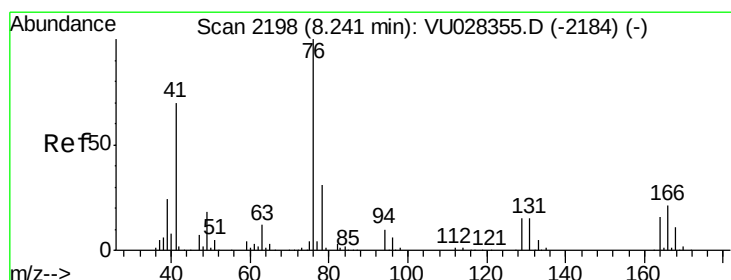
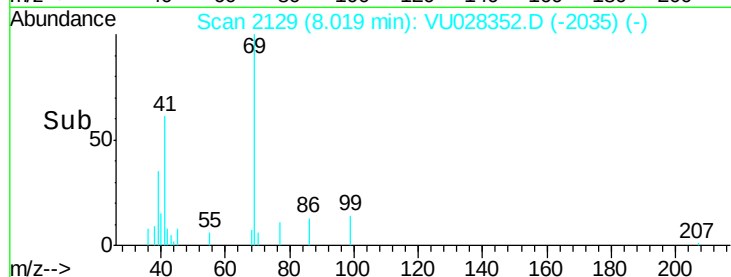
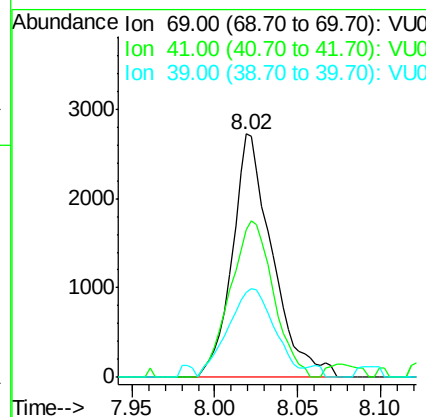
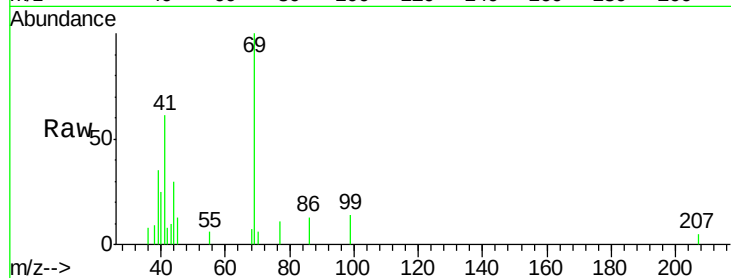
#56
Ethyl methacrylate
Concen: 0.866 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	69.3	60.0	90.0
39	42.7	29.0	43.6

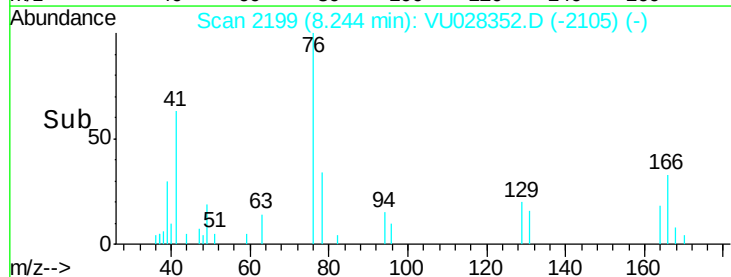
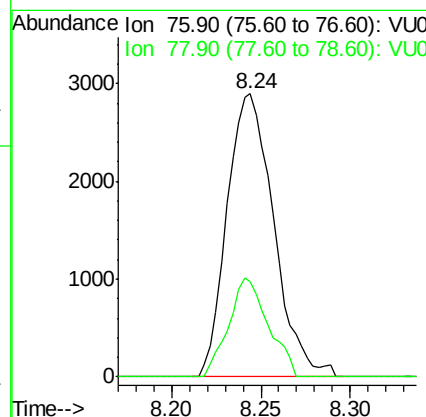
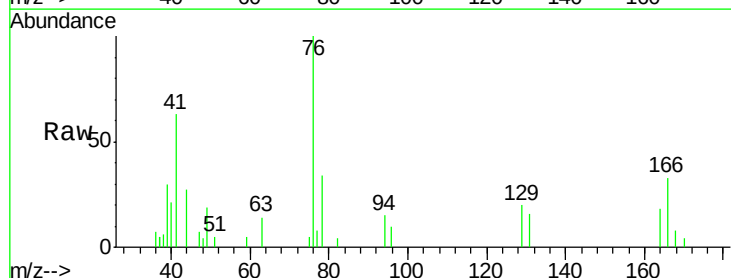
Manual Integrations
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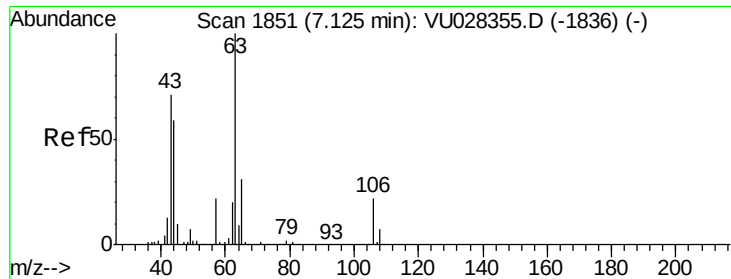
MMDadoda
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#57
1,3-Dichloropropane
Concen: 0.925 ug/l
RT: 8.24 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
76	100		
78	29.7	25.4	38.0





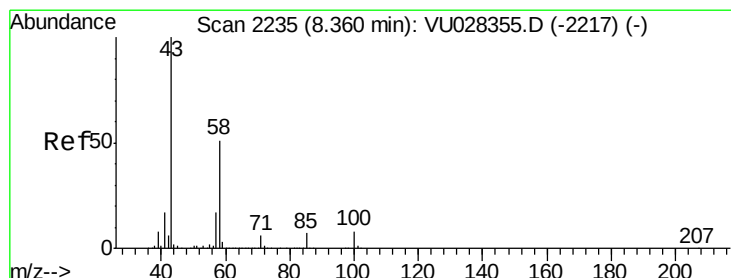
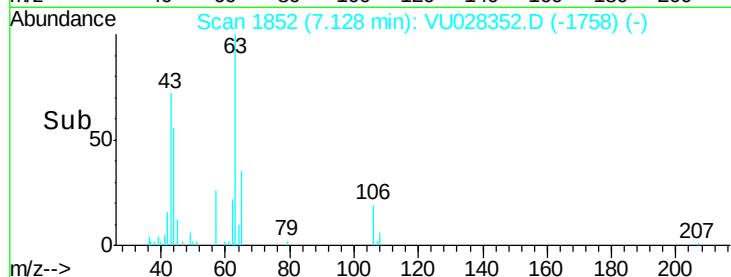
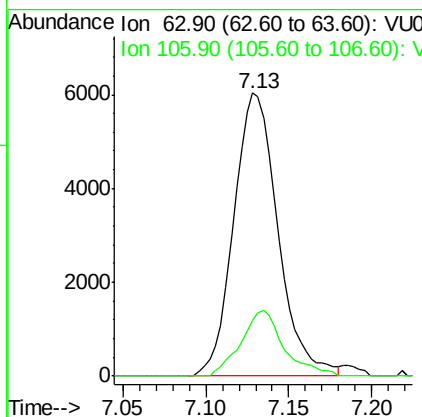
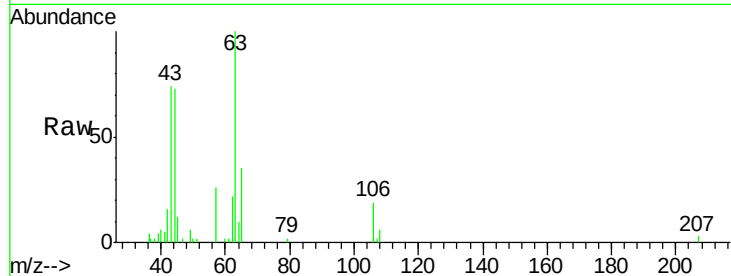
#58
 2-Chloroethyl Vinyl ether
 Concen: 3.968 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 11225
 Ion Ratio Lower Upper
 63 100
 106 22.4 17.3 25.9

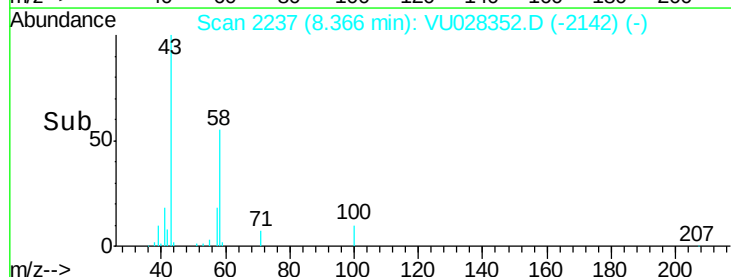
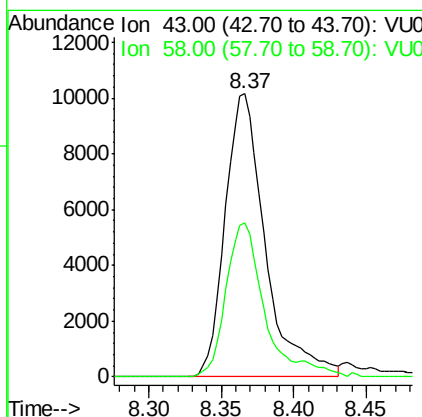
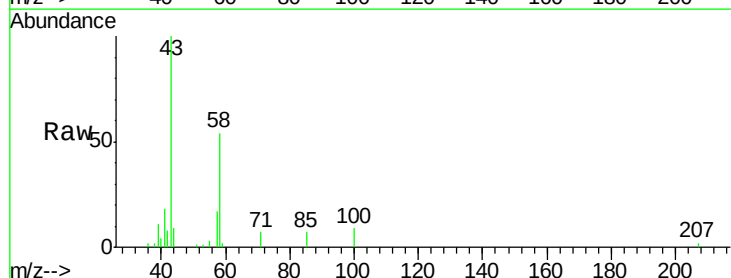
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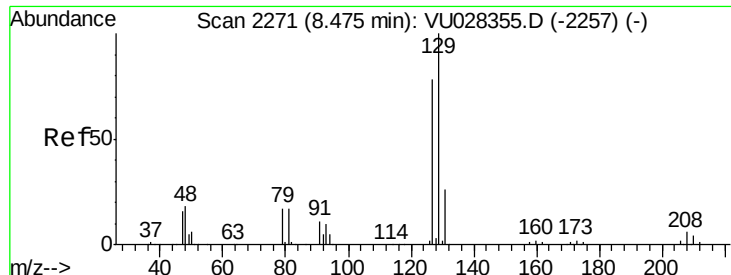
MMDadoda
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#59
 2-Hexanone
 Concen: 4.203 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 43 Resp: 19595
 Ion Ratio Lower Upper
 43 100
 58 52.1 25.5 76.5





#60

Dibromochloromethane

Concen: 0.915 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 2696

Ion Ratio Lower Upper

129 100

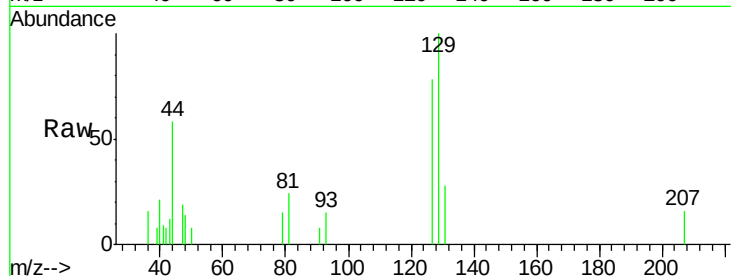
127 76.4 38.9 116.7

Manual Integrations

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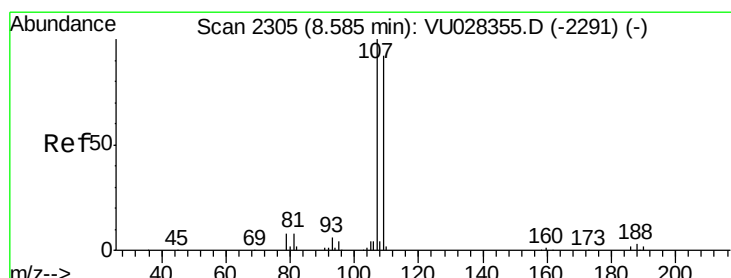
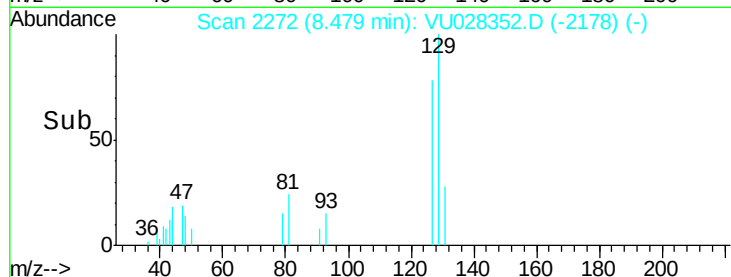
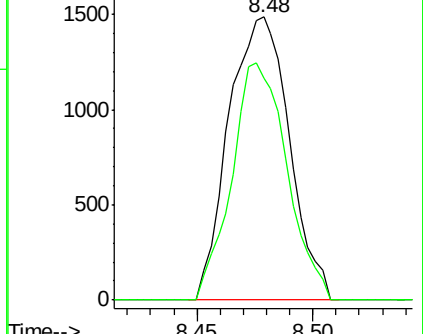
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.861 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028352.D

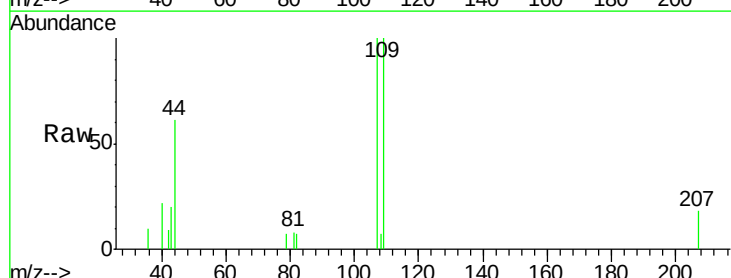
Acq: 28 Nov 2018 09:11

Tgt Ion:107 Resp: 2732

Ion Ratio Lower Upper

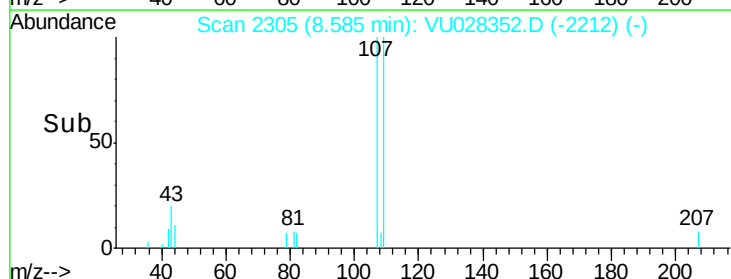
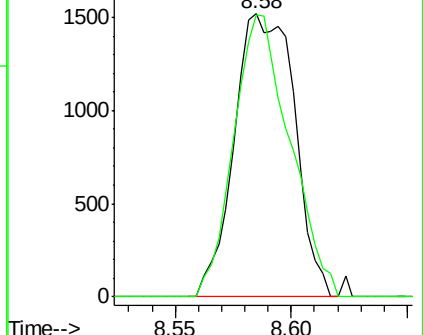
107 100

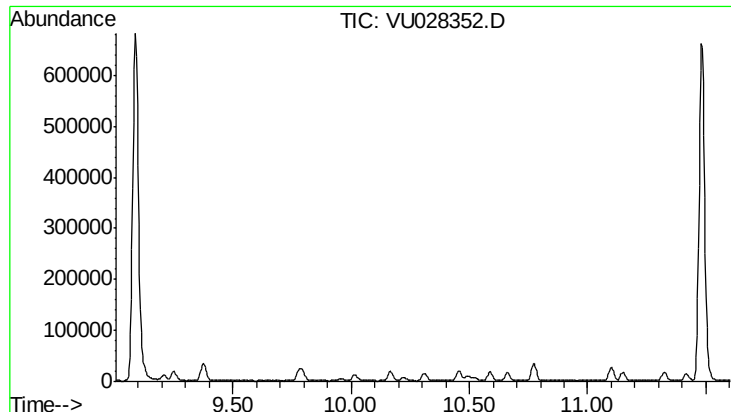
109 93.4 73.2 109.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 10.30 min

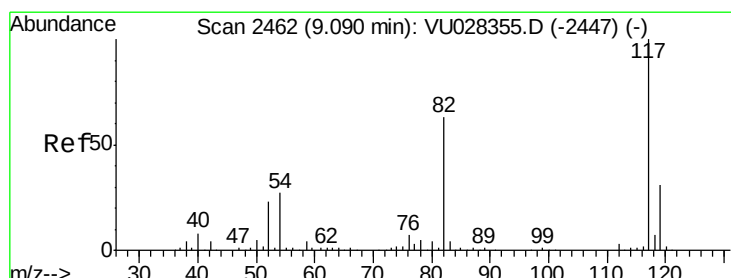
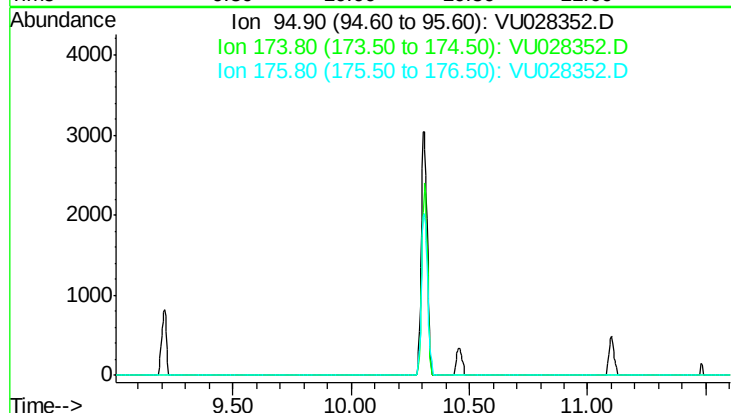
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

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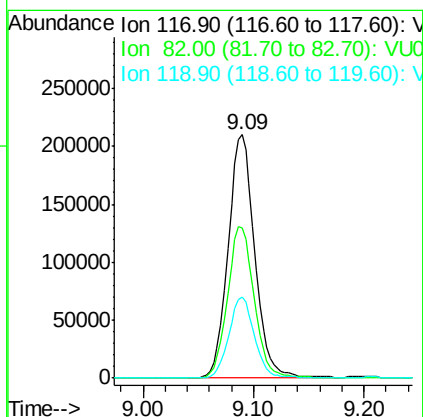
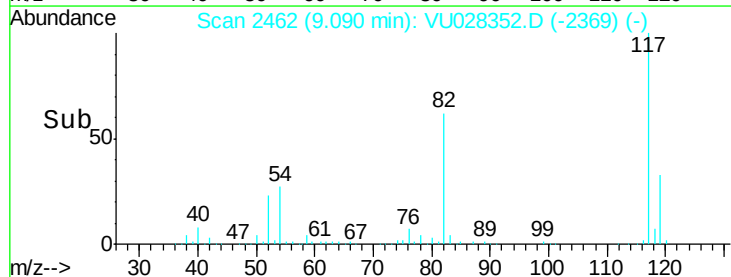
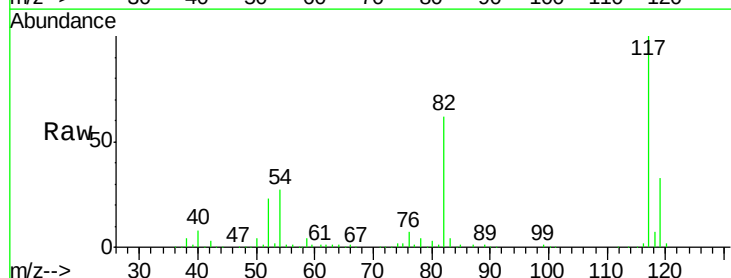
MMDadoda
11/29/2018 1:22:37 PM

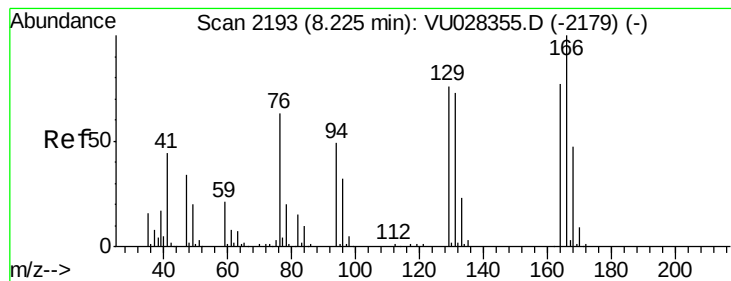
Tot Ion	95
Sig	Exp Ratio
95	100
174	72.7
176	70.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	117	Resp	352877
Ion	Ratio	Lower	Upper
117	100		
82	61.8	50.3	75.5
119	33.2	24.8	37.2





#64

Tetrachloroethene

Concen: 0.986 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 2289

Ion Ratio Lower Upper

164 100

166 158.6 104.0 156.0#

129 123.0 79.2 118.8#

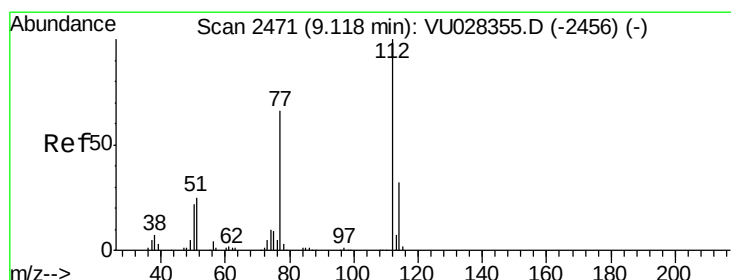
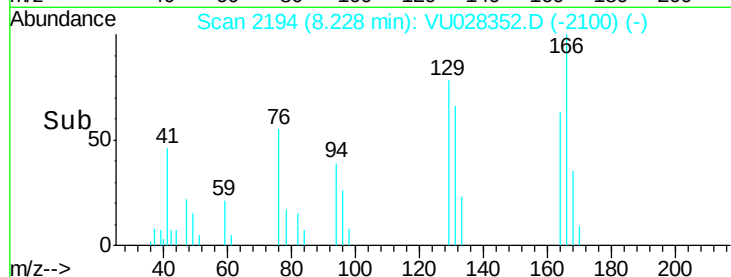
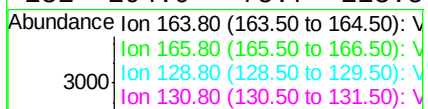
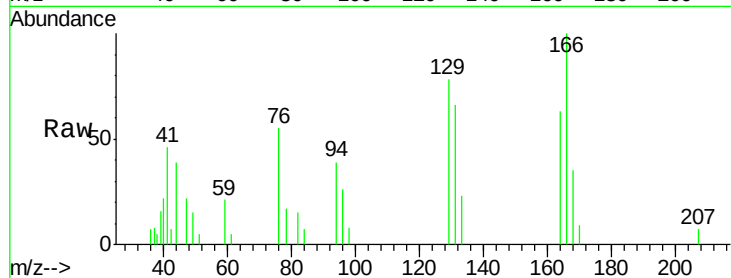
131 104.9 75.7 113.5

Manual Integrations

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#65

Chlorobenzene

Concen: 0.946 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028352.D

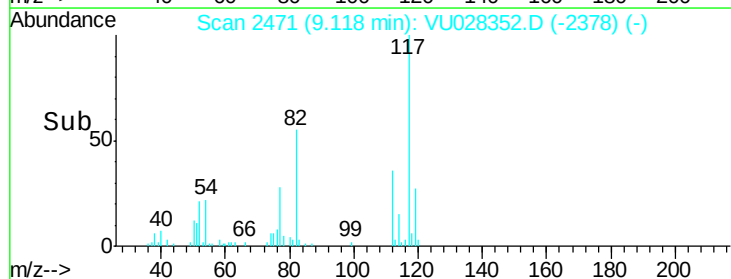
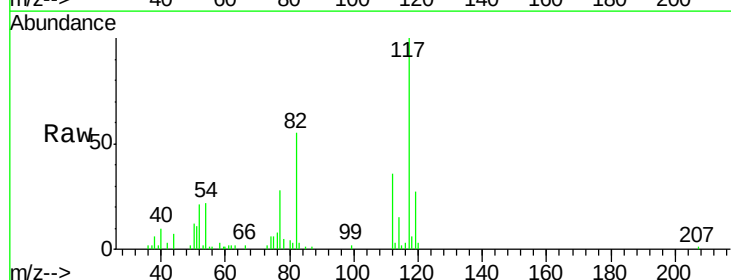
Acq: 28 Nov 2018 09:11

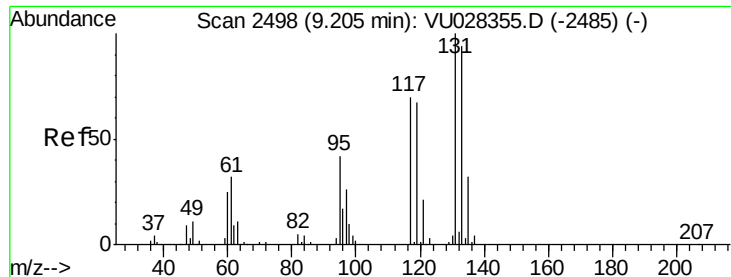
Tgt Ion:112 Resp: 6928

Ion Ratio Lower Upper

112 100

114 42.8 25.7 38.5#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.943 ug/l

RT: 9.21 min Scan# 2498

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

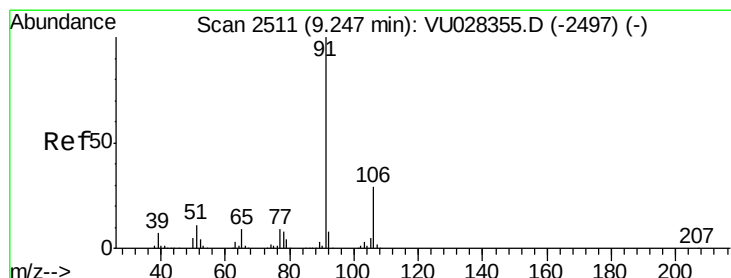
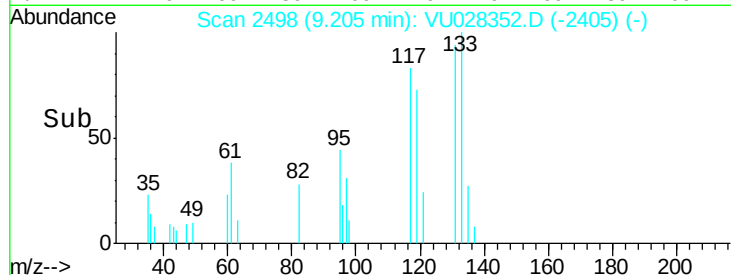
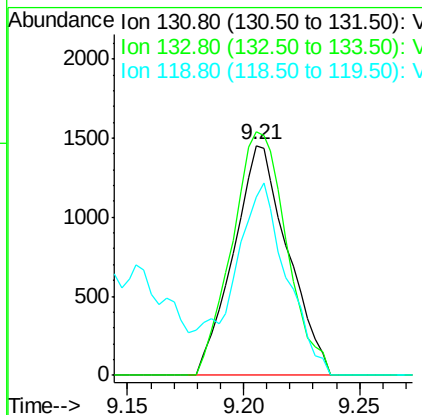
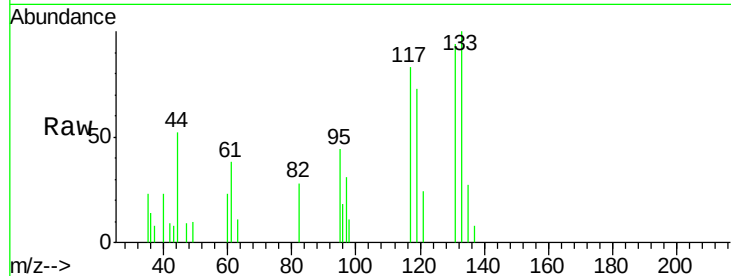
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	106.4	47.3	141.8
119	0.0	34.1	102.2#

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#67

Ethyl Benzene

Concen: 0.949 ug/l

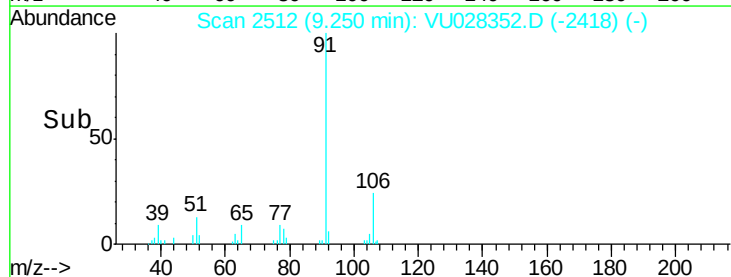
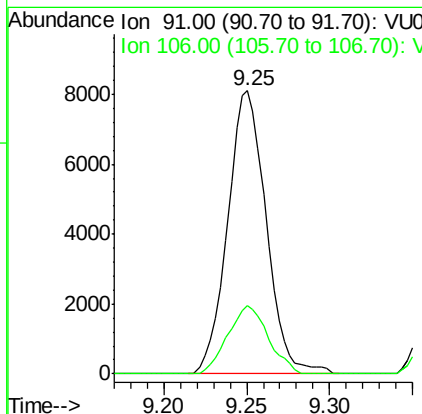
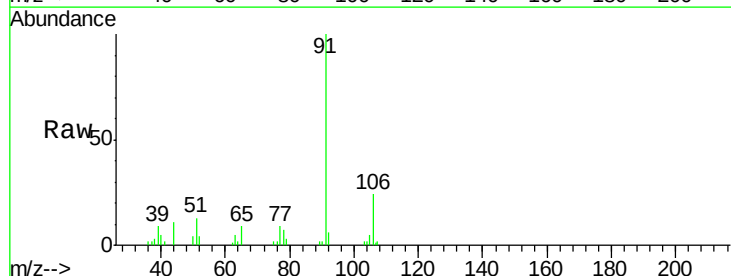
RT: 9.25 min Scan# 2512

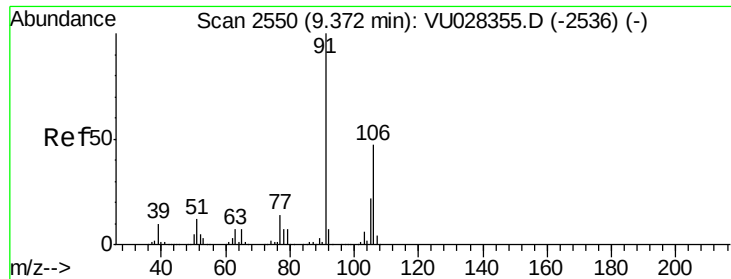
Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	24.0	23.3	34.9





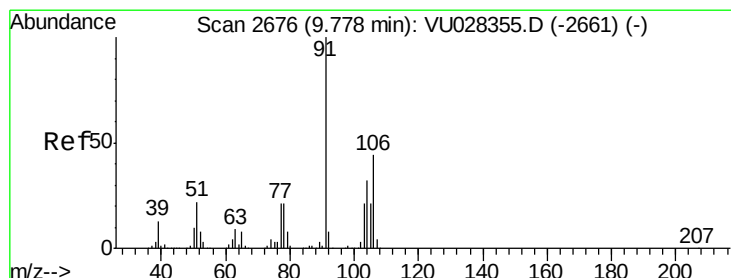
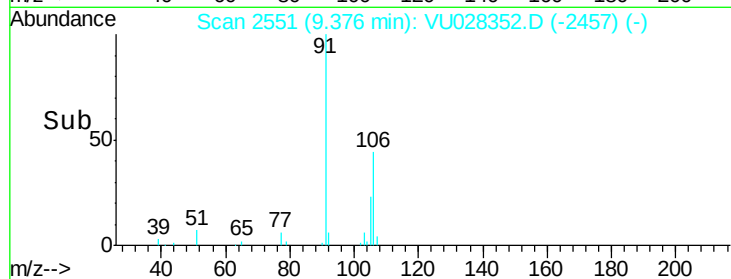
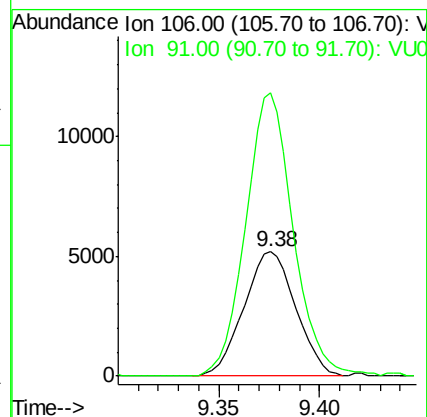
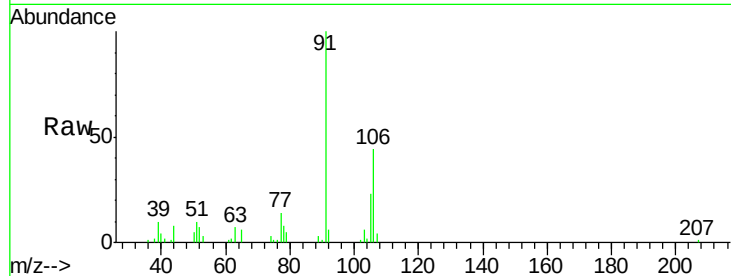
#68
m/p-Xylenes
Concen: 1.877 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 9325
Ion Ratio Lower Upper
106 100
91 208.9 171.0 256.6

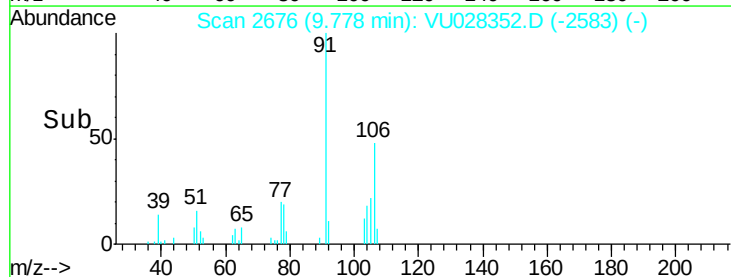
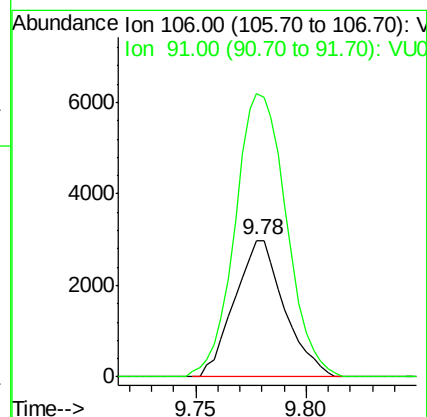
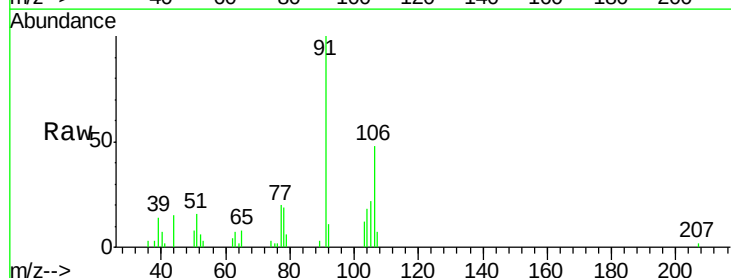
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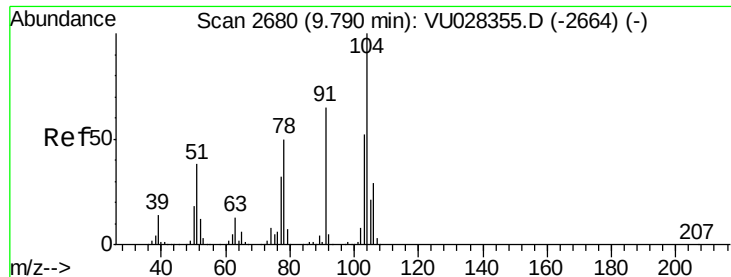
MMDadoda
11/29/2018 1:22:37 PM



#69
o-Xylene
Concen: 0.950 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion:106 Resp: 4689
Ion Ratio Lower Upper
106 100
91 213.9 112.7 338.0





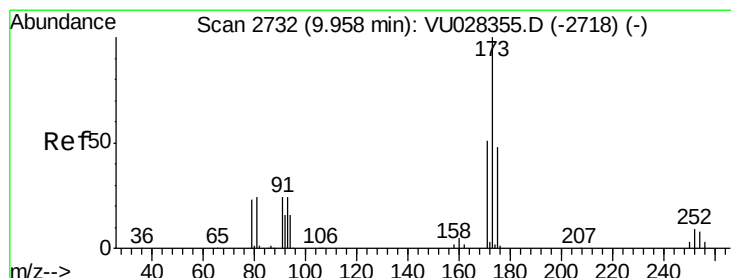
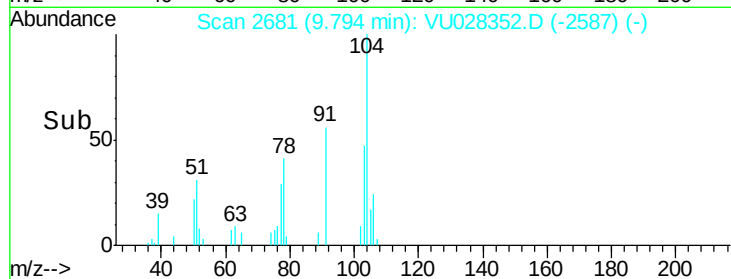
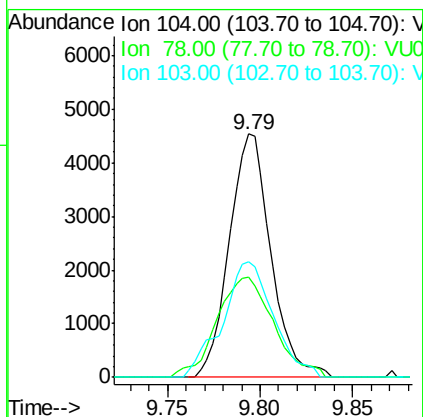
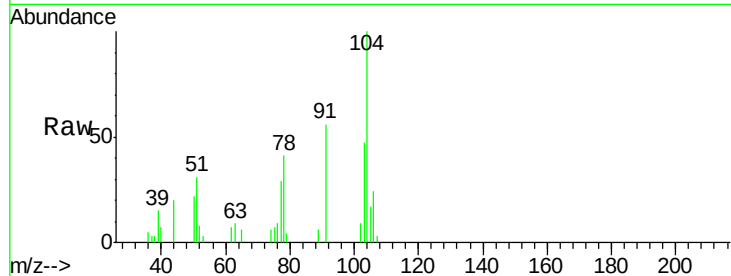
#70
Stvrene
Concen: 0.887 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	56.3	43.3	64.9
103	58.0	44.8	67.2

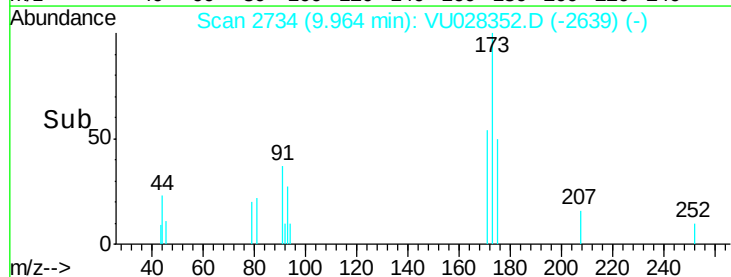
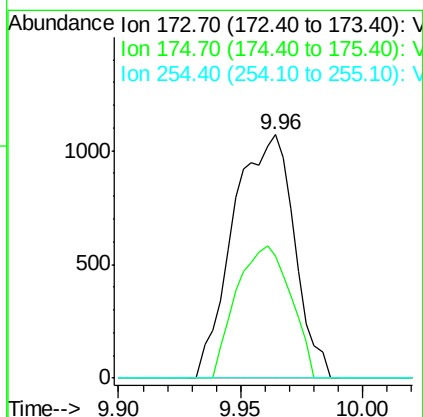
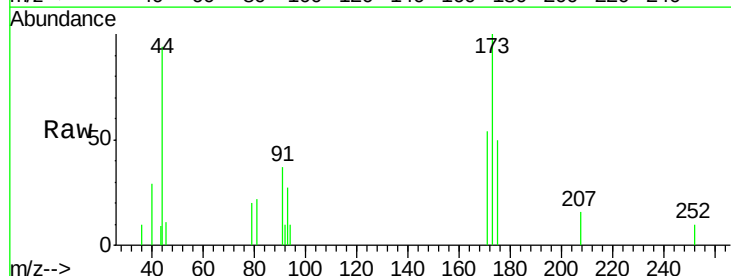
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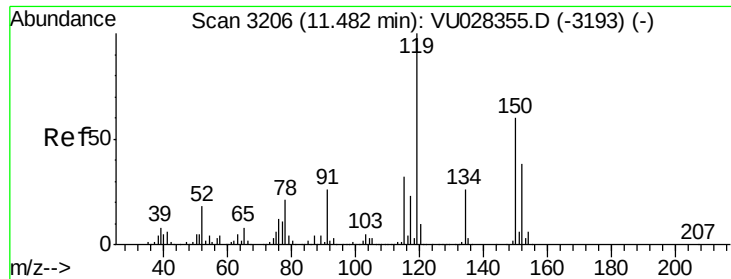
MMDadoda
11/29/2018 1:22:37 PM



#71
Bromoform
Concen: 0.880 ug/l
RT: 9.96 min Scan# 2734
Delta R.T. 0.01 min
Lab File: VU028352.D
Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.4
254	0.0	0.0	0.0





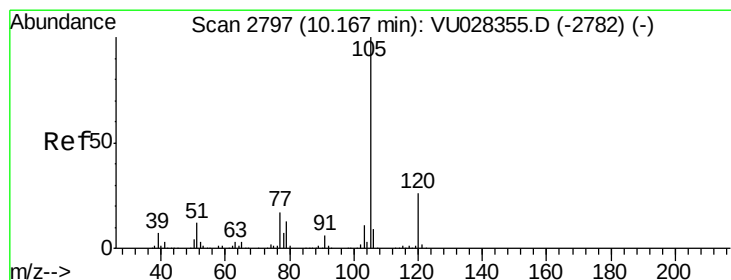
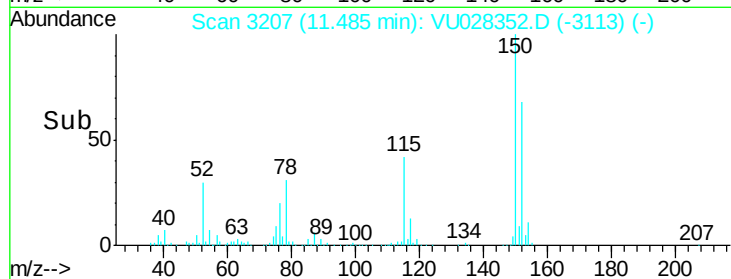
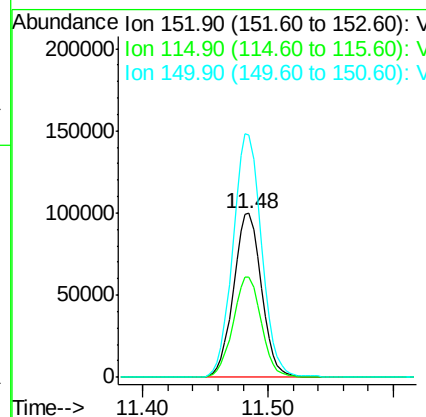
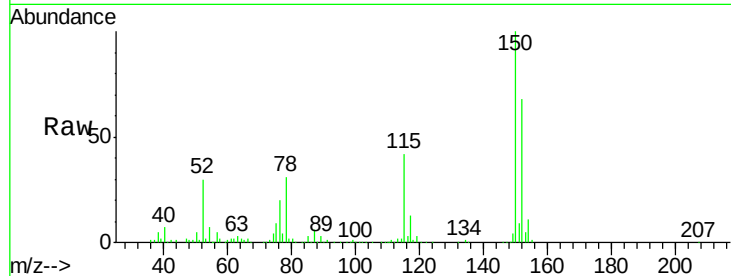
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
152	100	154801		
115	61.8	45.0	134.8	
150	152.0	0.0	349.2	

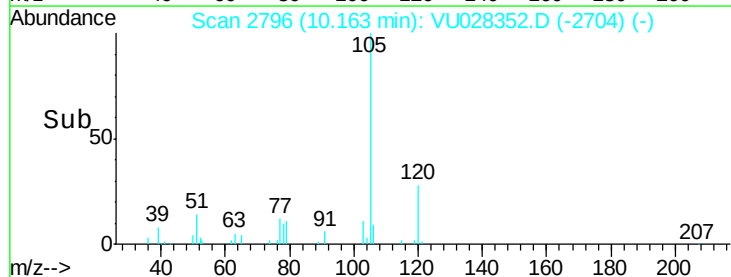
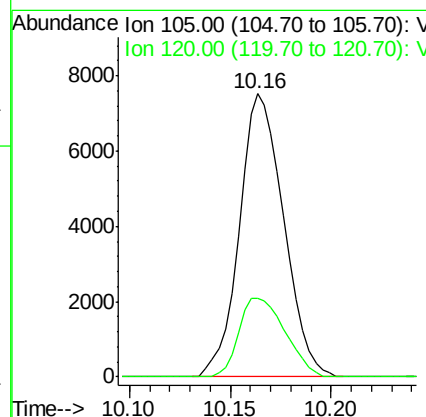
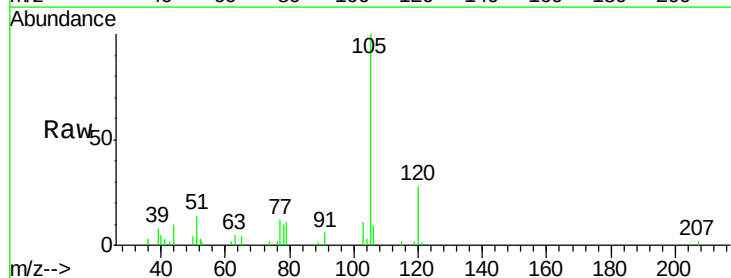
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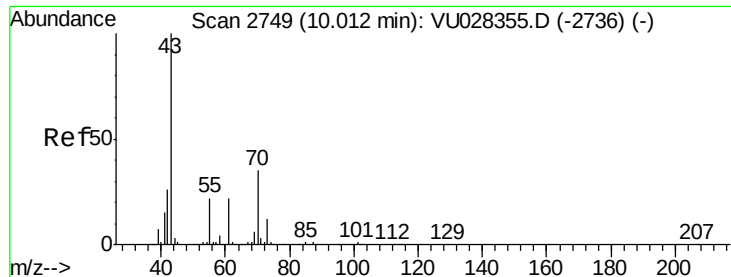
MMDadoda
 11/29/2018 1:22:37 PM



#73
 Isopropylbenzene
 Concen: 0.959 ug/l
 RT: 10.16 min Scan# 2796
 Delta R.T. -0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	11550		
120	29.1	12.8	38.3	





#74

N-amvl acetate

Concen: 0.921 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

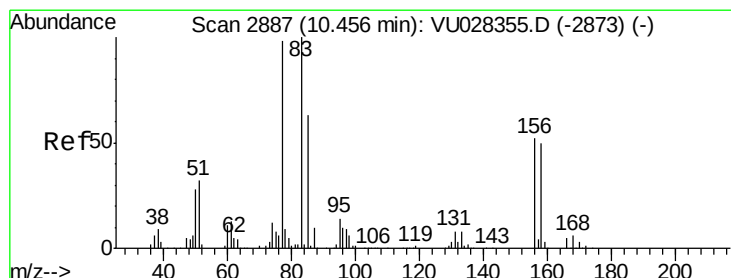
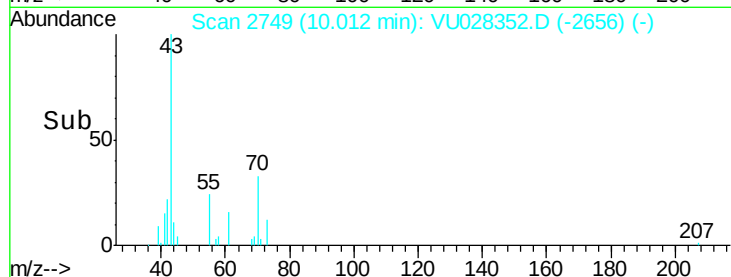
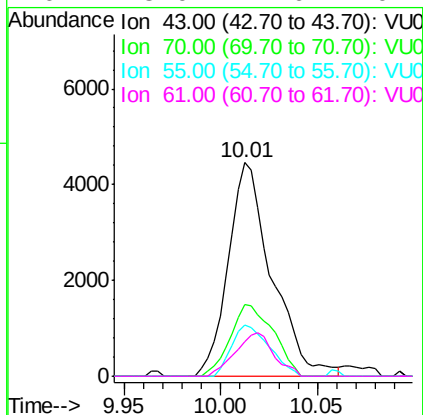
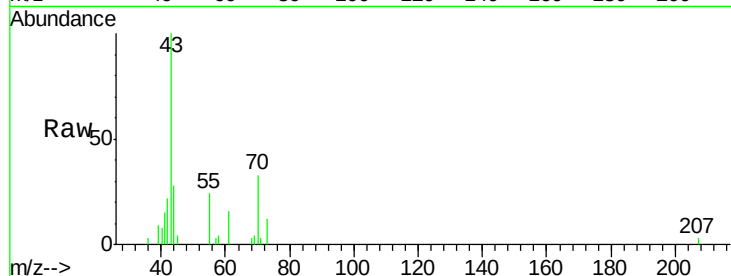
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6945
Ion	Ratio	Lower	Upper
43	100		
70	33.2	28.4	42.6
55	20.8	18.0	27.0
61	18.0	17.6	26.4

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 0.931 ug/l

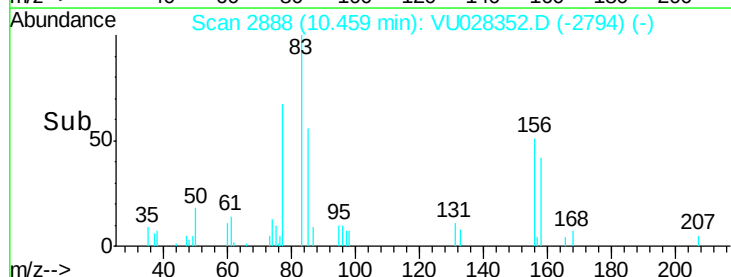
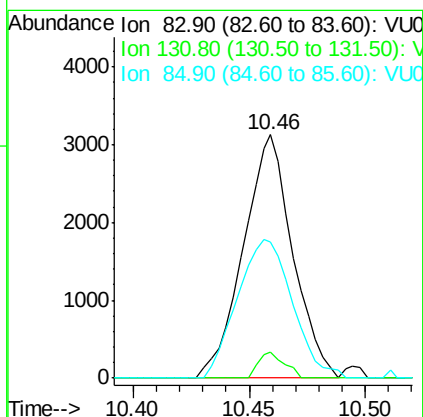
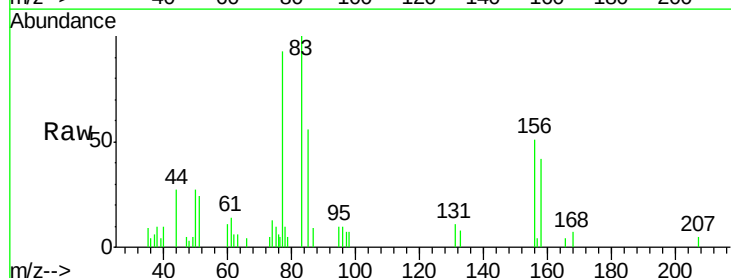
RT: 10.46 min Scan# 2888

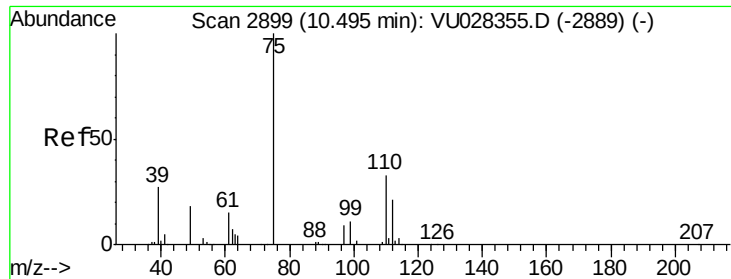
Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	83	Resp:	4610
Ion	Ratio	Lower	Upper
83	100		
131	5.7	4.0	12.2
85	63.6	31.8	95.4





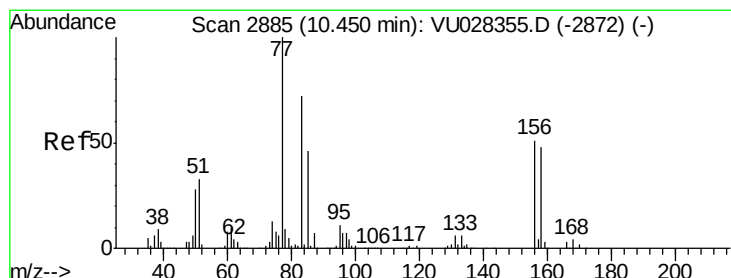
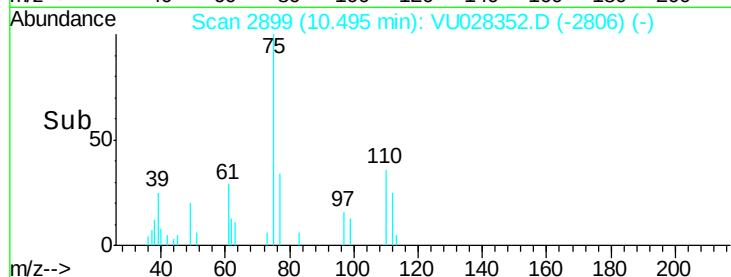
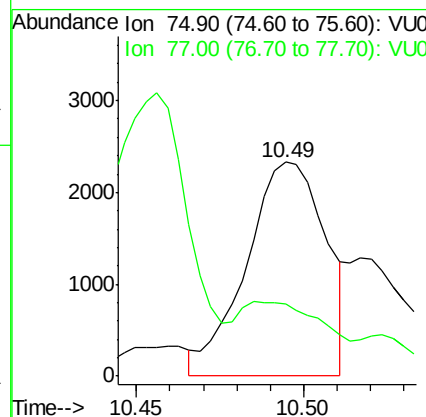
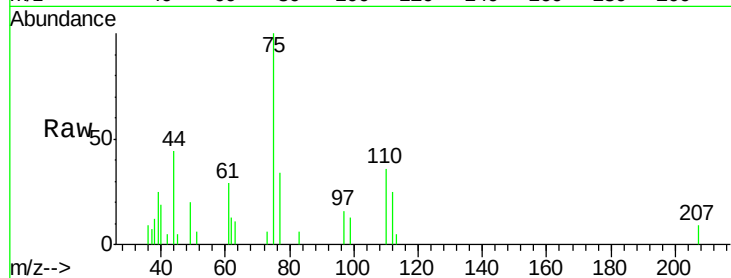
#76
 1,2,3-Trichloropropane
 Concen: 0.907 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 3844
 Ion Ratio Lower Upper
 75 100
 77 19.5 22.4 67.0#

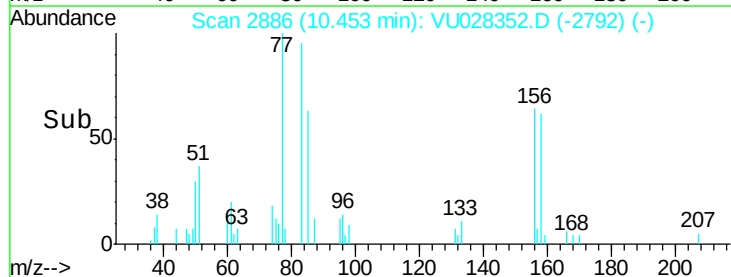
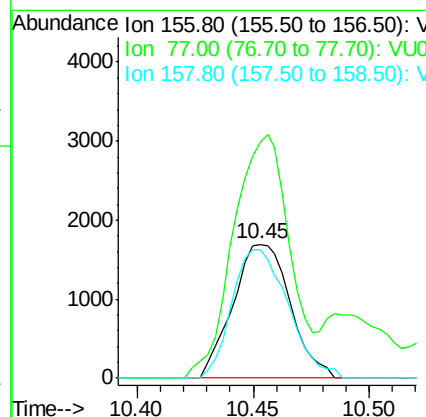
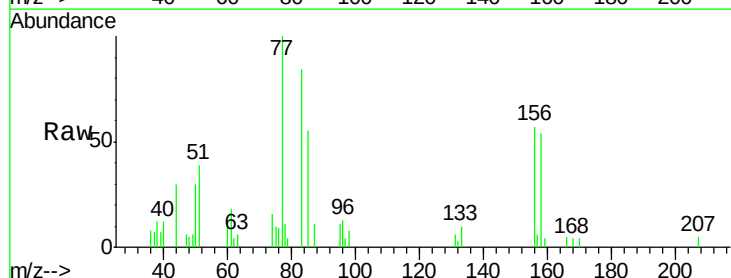
Manual Integrations
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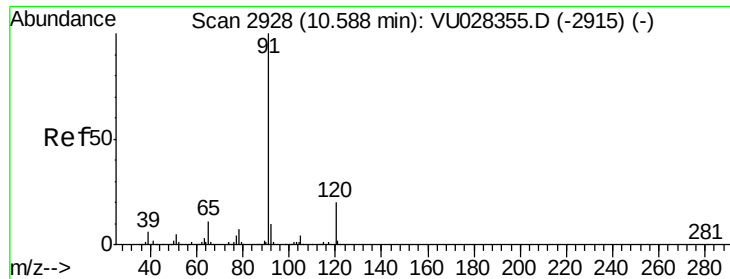
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 11/29/2018 1:22:37 PM



#77
 Bromobenzene
 Concen: 1.024 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 156 Resp: 2906
 Ion Ratio Lower Upper
 156 100
 77 177.6 97.0 290.9
 158 94.0 46.8 140.4





#78

n-propylbenzene

Concen: 0.958 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 14232

Ion Ratio Lower Upper

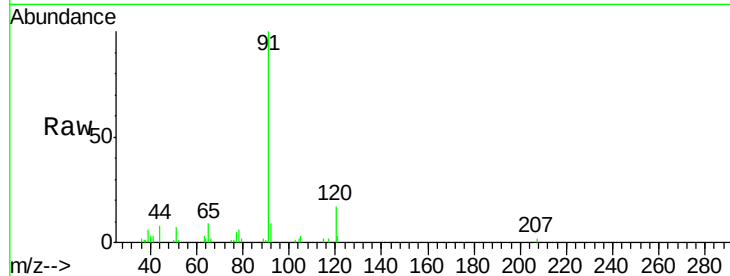
91 100

120 16.9 10.3 30.8

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Abundance Ion 91.00 (90.70 to 91.70): VU028355.D (-2915) (-)

Ion 120.00 (119.70 to 120.70): VU028355.D (-2915) (-)

10000

8000

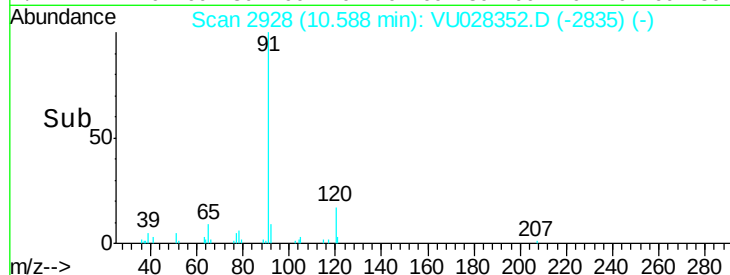
6000

4000

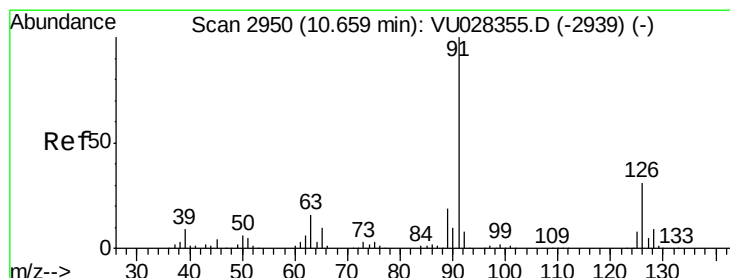
2000

0

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 0.931 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU028352.D

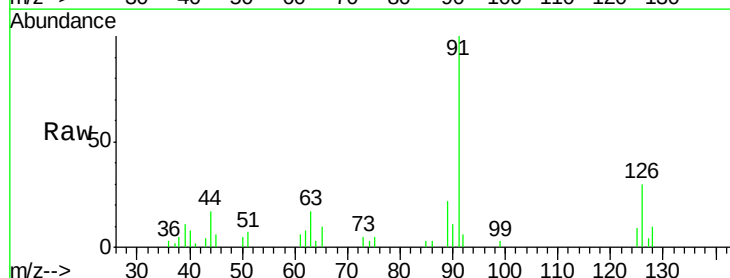
Acq: 28 Nov 2018 09:11

Tgt Ion: 91 Resp: 8153

Ion Ratio Lower Upper

91 100

126 33.0 15.4 46.1



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

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

10000

8000

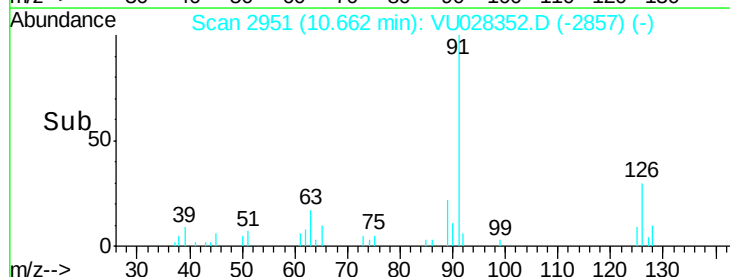
6000

4000

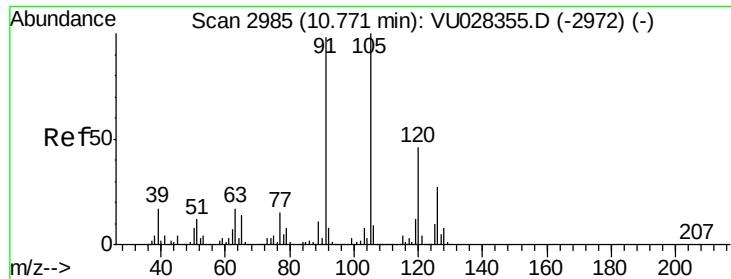
2000

0

Time-->



Time-->



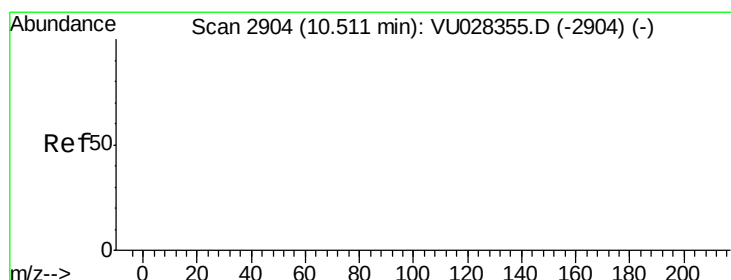
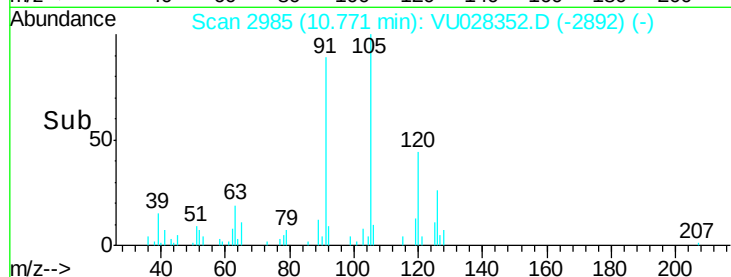
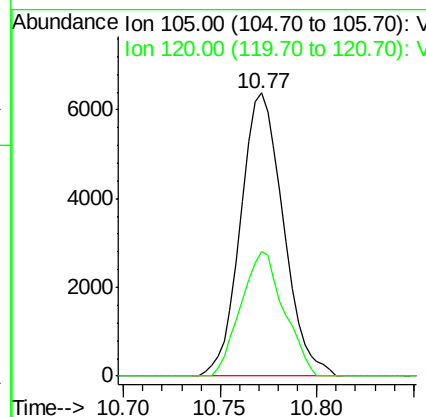
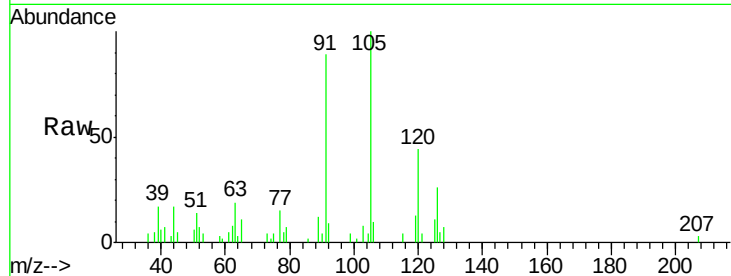
#80
 1,3,5-Trimethylbenzene
 Concen: 0.968 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 9826
 Ion Ratio Lower Upper
 105 100
 120 44.1 23.4 70.0

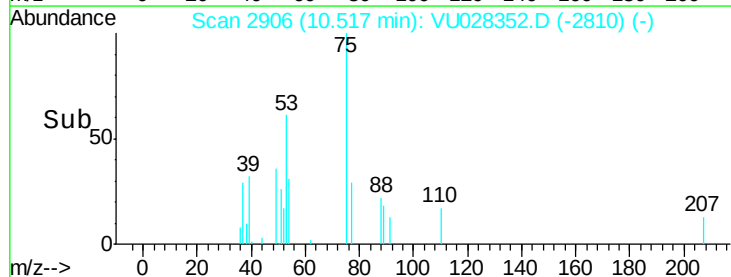
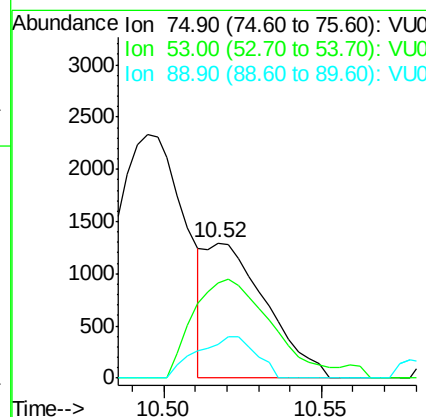
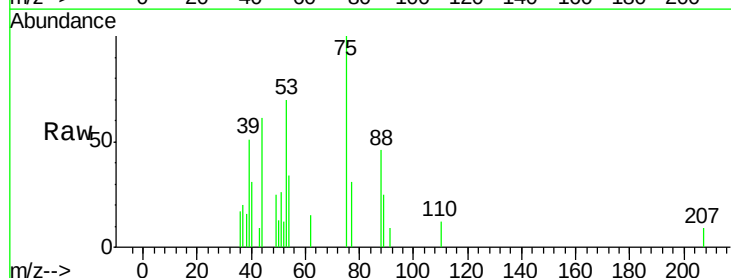
Manual Integrations
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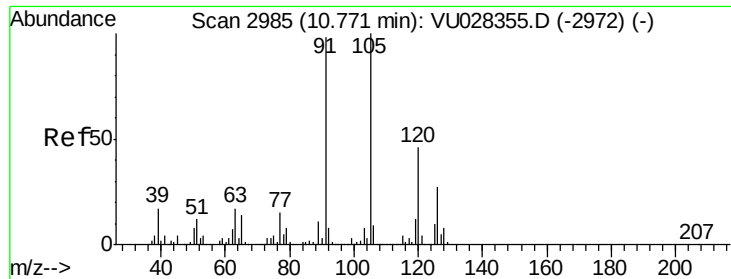
MMDadoda
 11/29/2018 1:22:37 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.835 ug/l m
 RT: 10.52 min Scan# 2906
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion: 75 Resp: 1722
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.959 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 9674

Ion Ratio Lower Upper

91 100

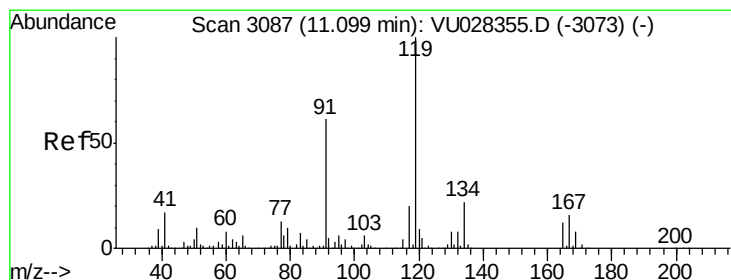
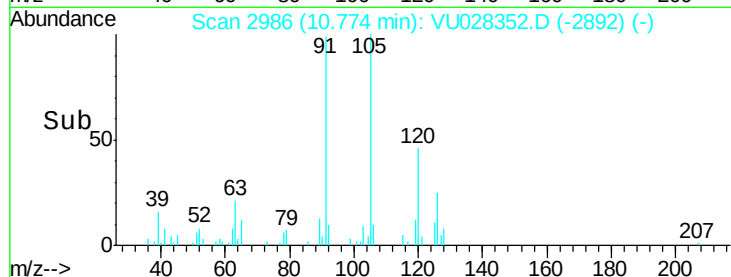
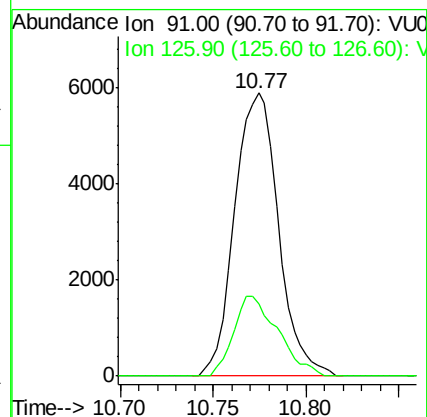
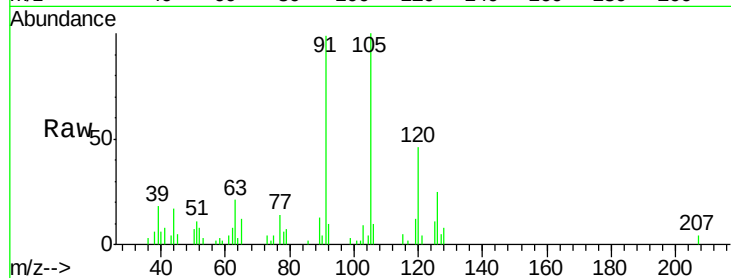
126 28.5 13.9 41.6

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#83

tert-Butylbenzene

Concen: 0.875 ug/l

RT: 11.10 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

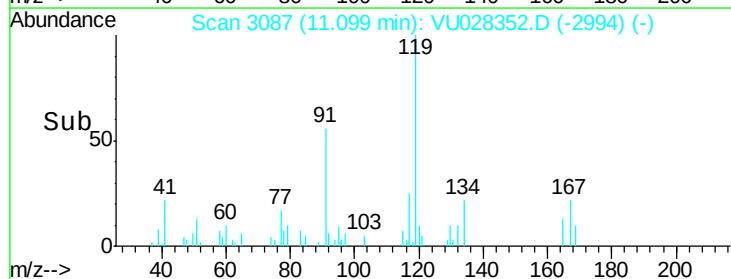
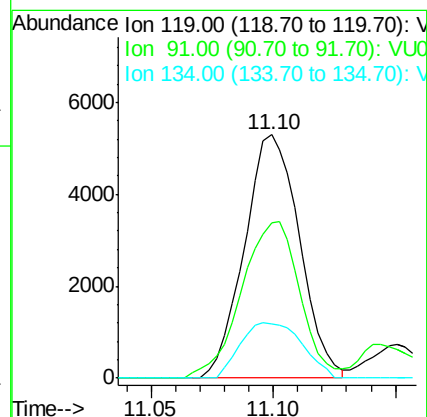
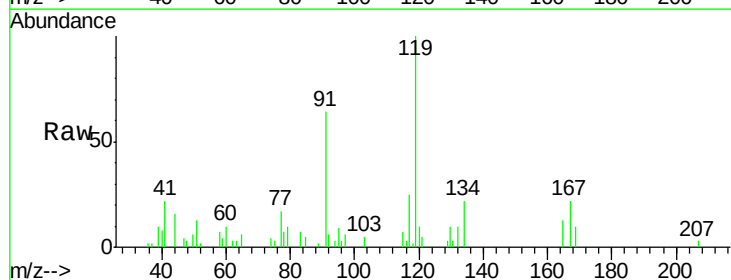
Tgt Ion: 119 Resp: 8276

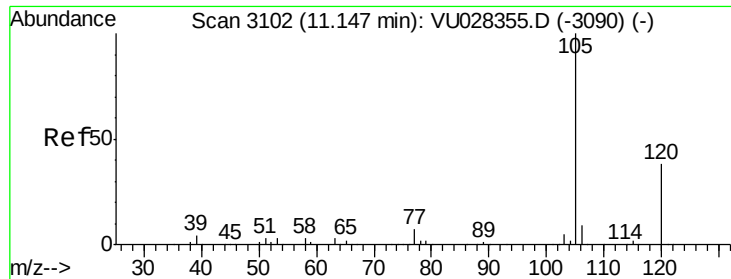
Ion Ratio Lower Upper

119 100

91 68.3 30.8 92.4

134 25.4 11.1 33.1





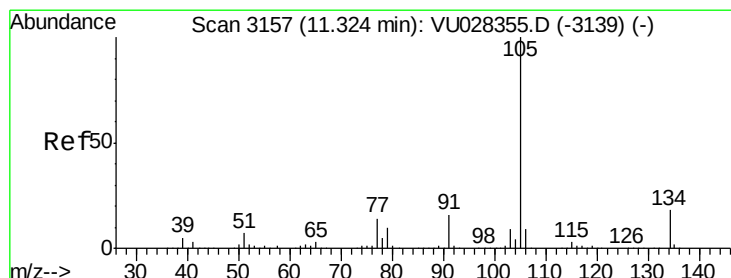
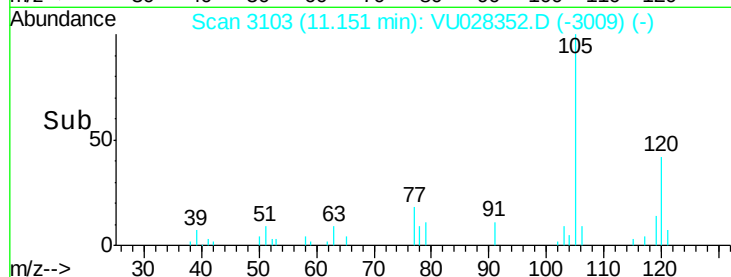
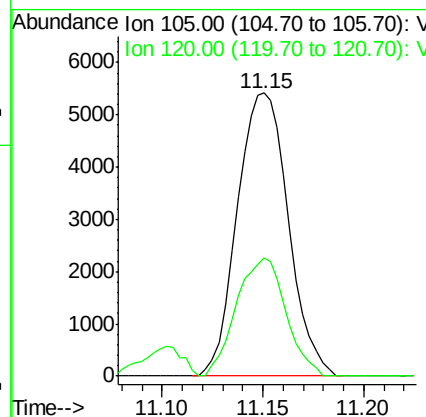
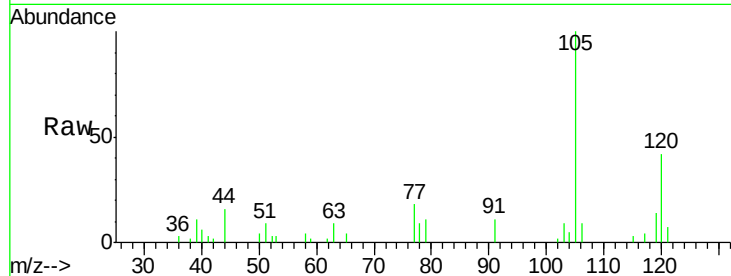
#84
 1,2,4-Trimethylbenzene
 Concen: 0.933 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 9590
 Ion Ratio Lower Upper
 105 100
 120 40.4 21.4 64.3

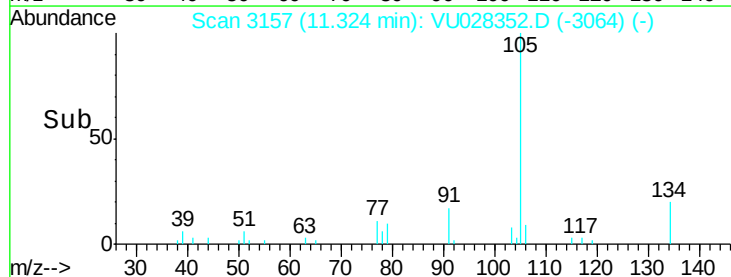
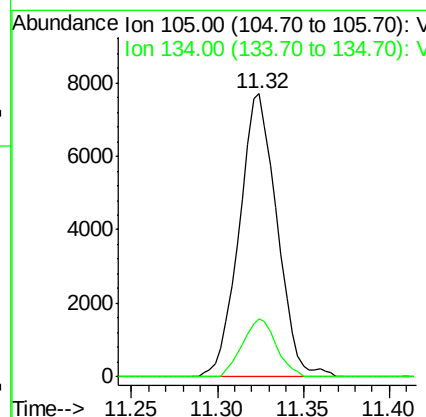
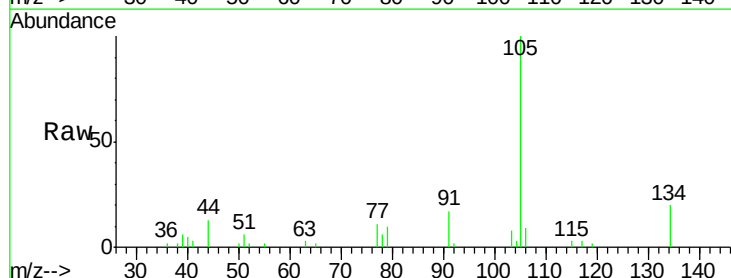
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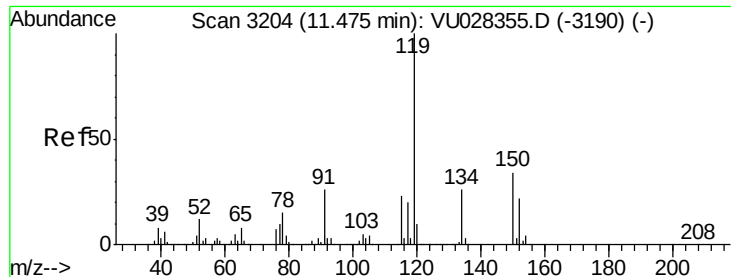
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#85
 sec-Butylbenzene
 Concen: 0.959 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:105 Resp: 11778
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.3 27.7





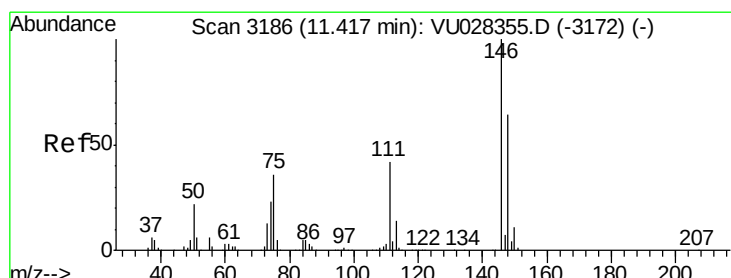
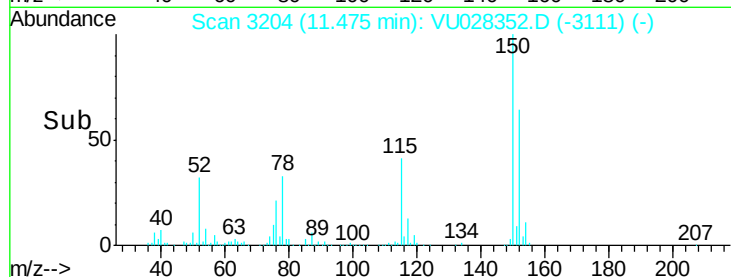
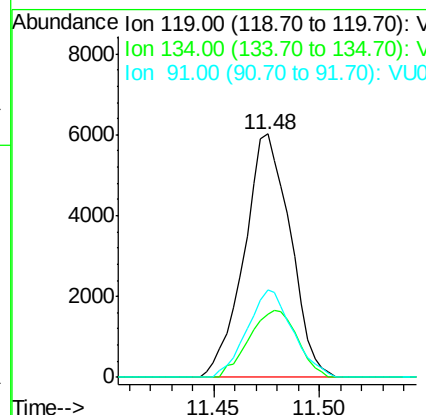
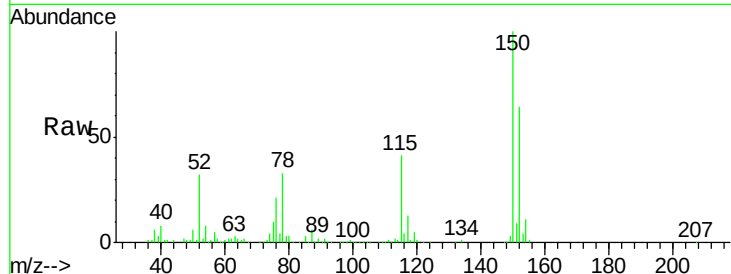
#86
 p-Isopropyltoluene
 Concen: 0.905 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.8	12.8	38.3
91	35.6	13.1	39.1

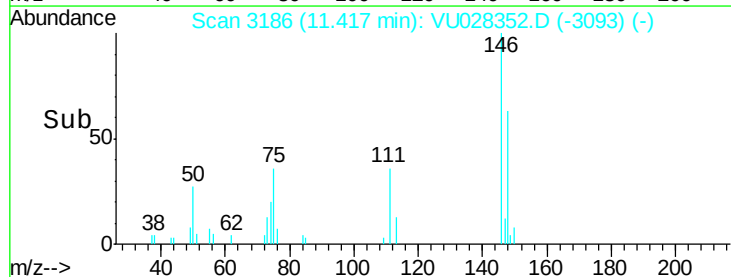
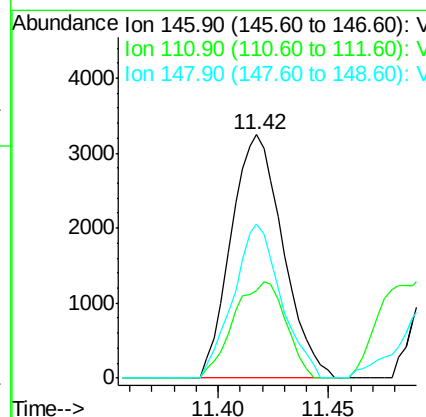
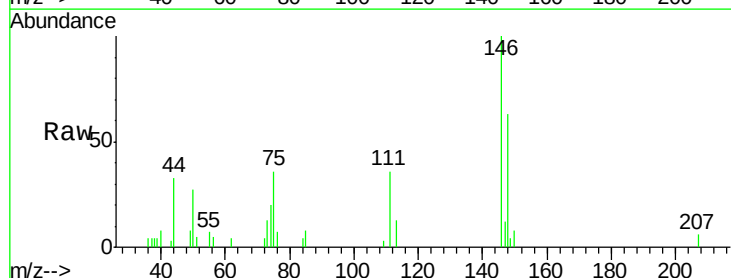
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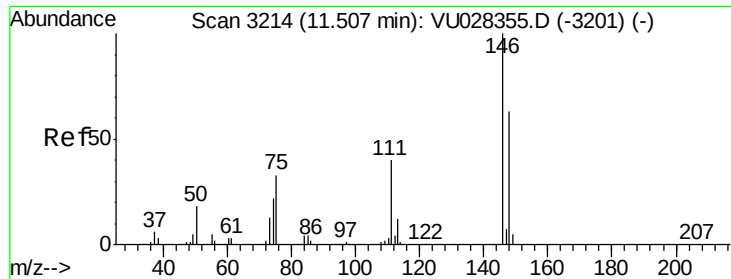
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#87
 1,3-Dichlorobenzene
 Concen: 1.025 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.4
148	58.0	31.8	95.3





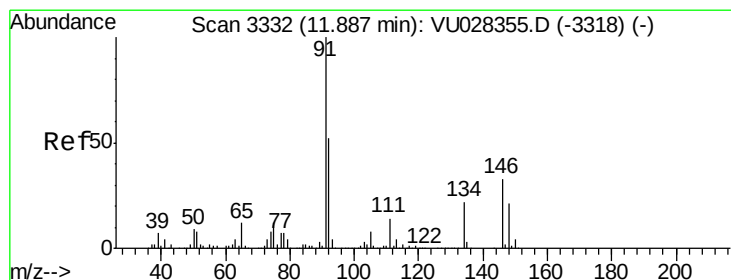
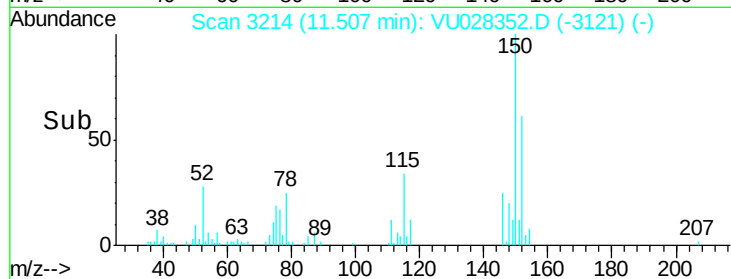
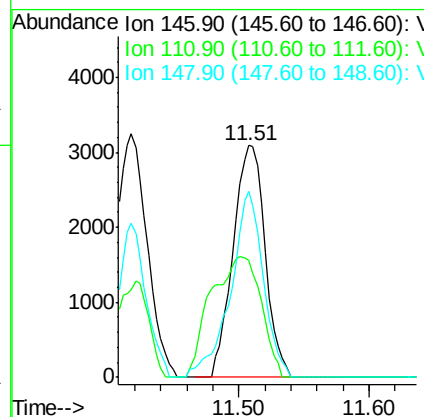
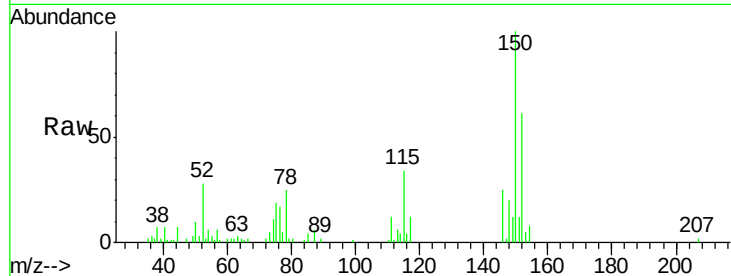
#88
 1,4-Dichlorobenzene
 Concen: 1.009 ug/l m
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.9
148	58.5	31.1	93.5

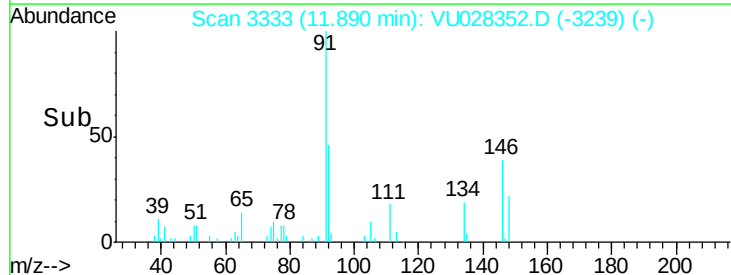
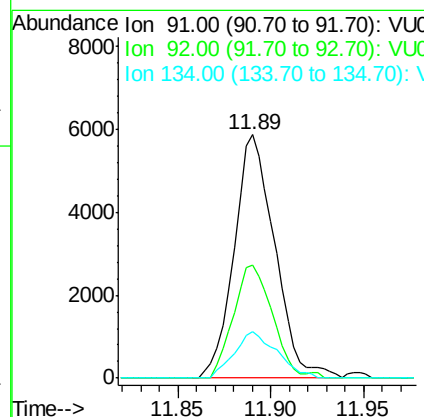
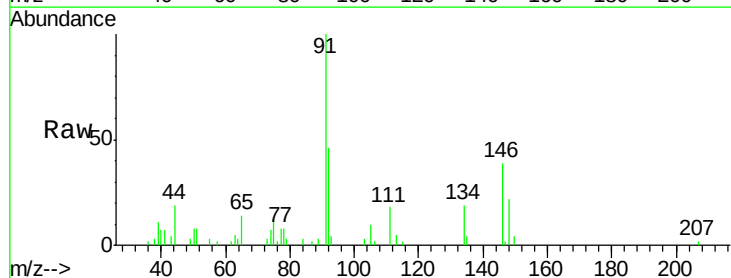
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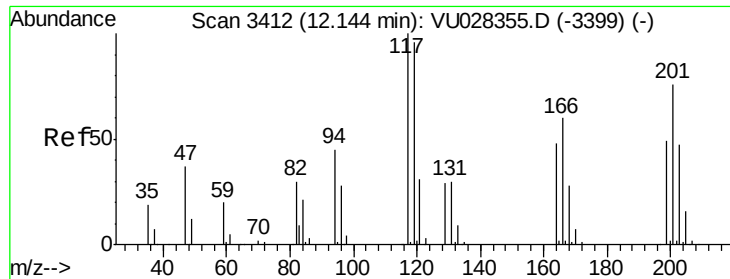
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#89
 n-Butylbenzene
 Concen: 0.899 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.9	26.2	78.5
134	20.2	11.1	33.1





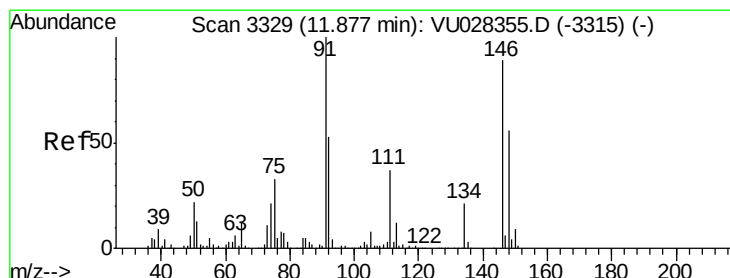
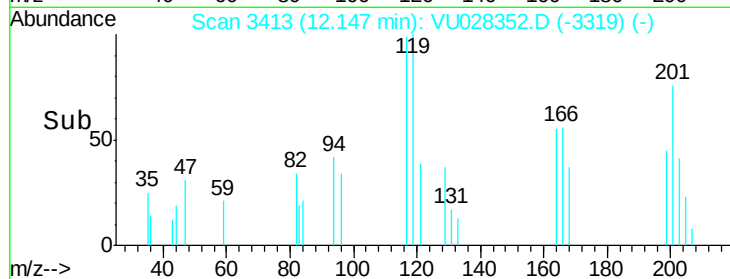
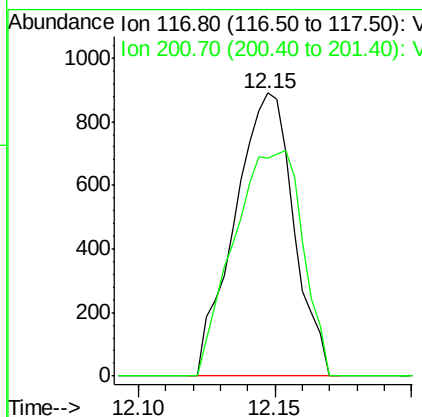
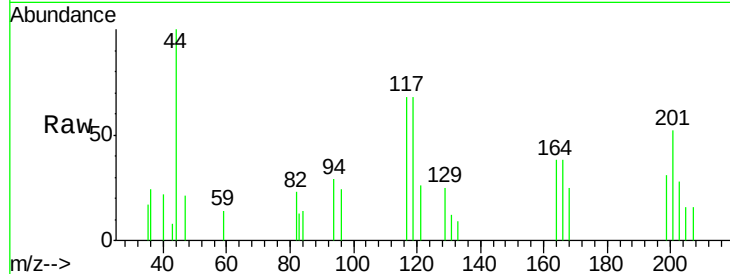
#90
 Hexachloroethane
 Concen: 0.847 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:117 Resp: 1335
 Ion Ratio Lower Upper
 117 100
 201 93.0 37.7 113.1

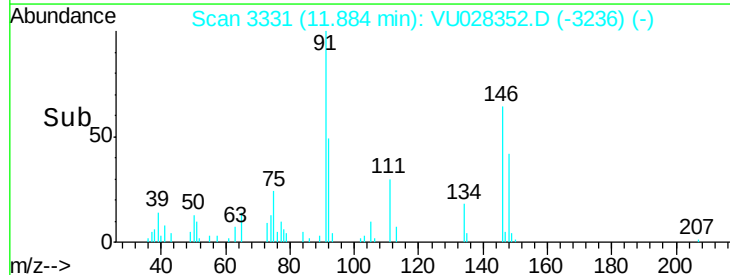
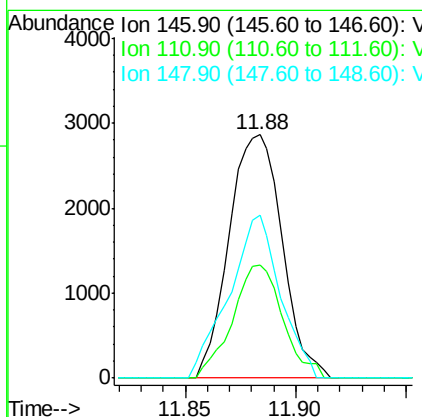
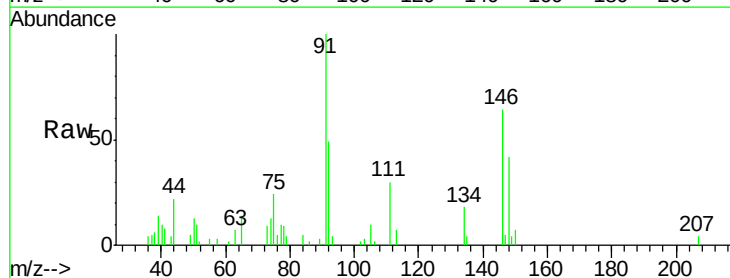
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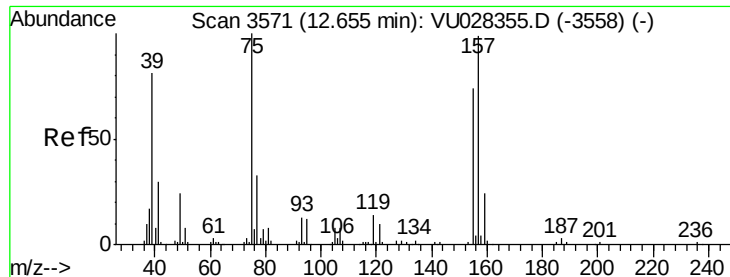
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#91
 1,2-Dichlorobenzene
 Concen: 0.925 ug/l
 RT: 11.88 min Scan# 3331
 Delta R.T. 0.01 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Tgt Ion:146 Resp: 4777
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.4 64.3
 148 64.3 32.2 96.6





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.858 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

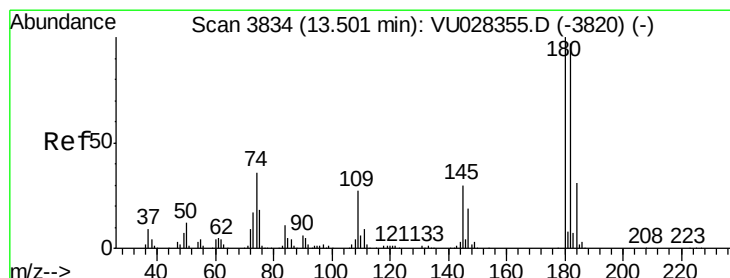
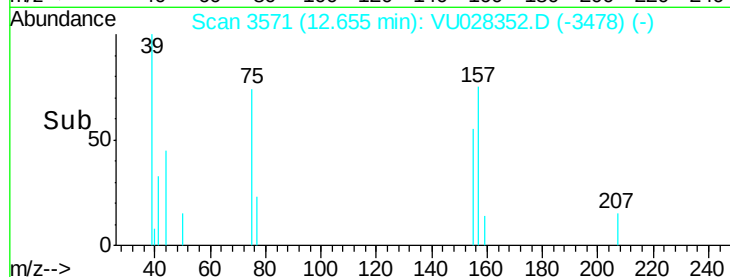
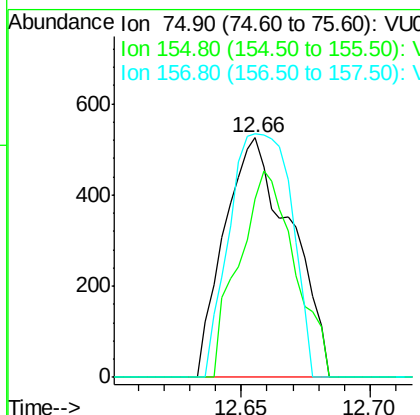
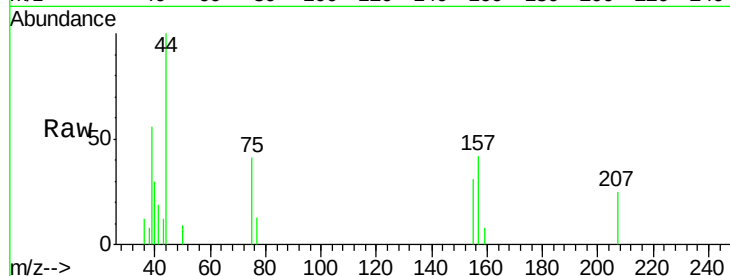
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	945
Ion	Ratio	Lower	Upper
75	100		
155	72.3	36.9	110.7
157	95.2	47.5	142.5

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#93

1,2,4-Trichlorobenzene

Concen: 0.971 ug/l

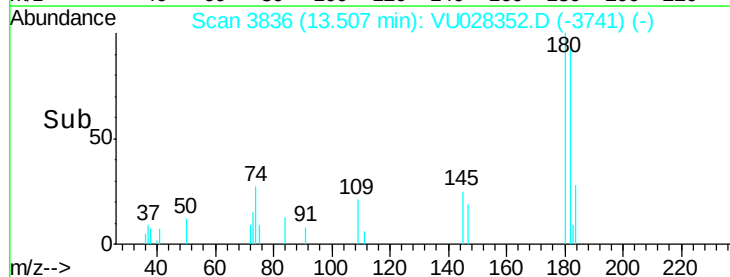
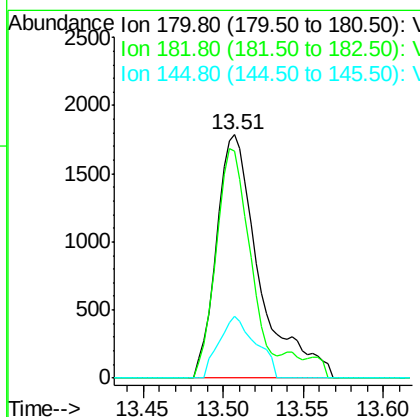
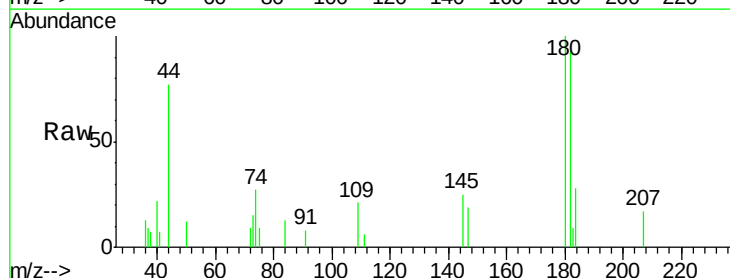
RT: 13.51 min Scan# 3836

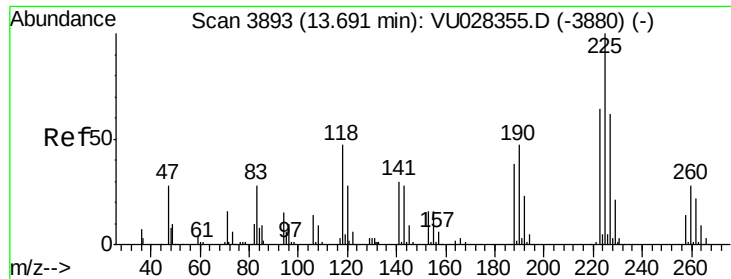
Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	180	Resp:	3281
Ion	Ratio	Lower	Upper
180	100		
182	74.9	48.3	144.9
145	21.6	15.2	45.5





#94

Hexachlorobutadiene

Concen: 1.004 ug/l

RT: 13.70 min Scan# 3895

Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Instrument :

MSVOA_U

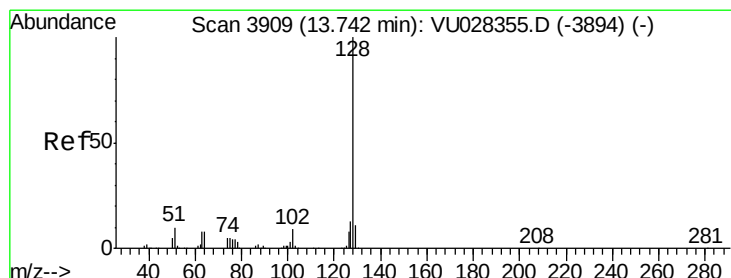
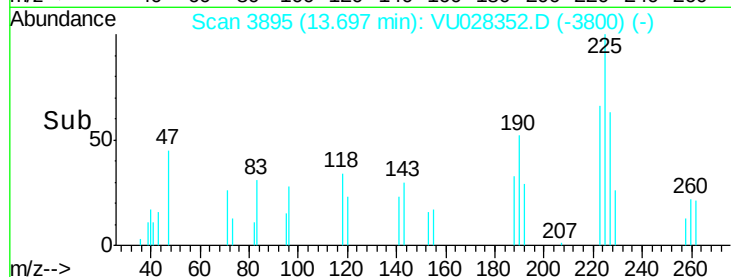
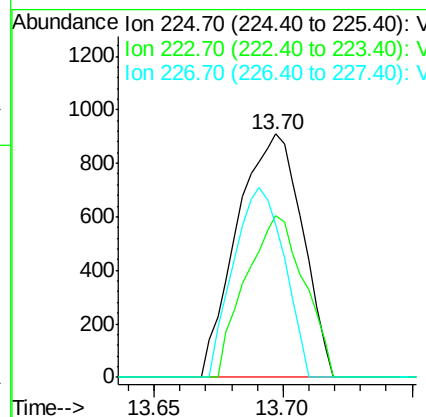
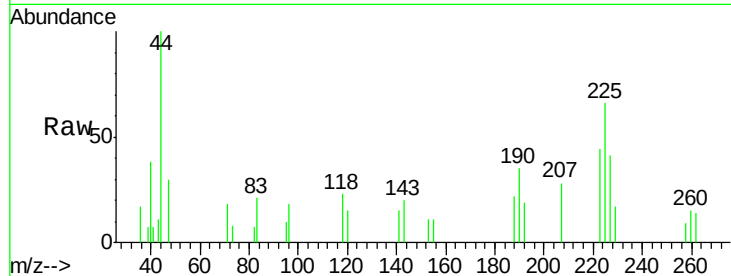
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	1602
Ion Ratio	Lower	Upper	
225	100		
223	59.7	31.6	94.7
227	60.5	30.8	92.4

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#95

Naphthalene

Concen: 0.714 ug/l

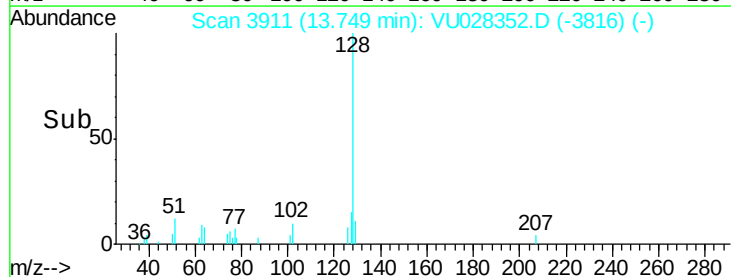
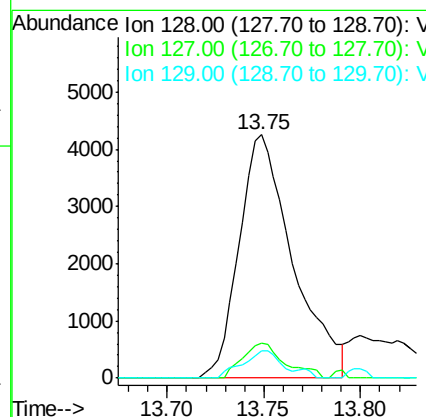
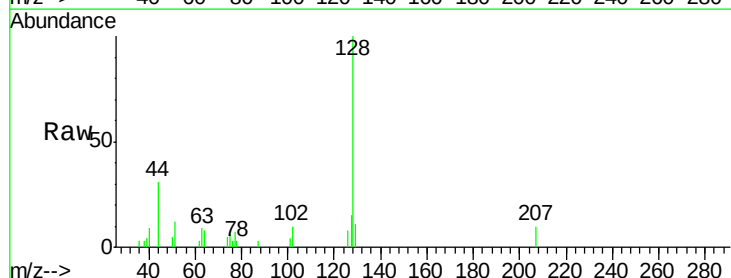
RT: 13.75 min Scan# 3911

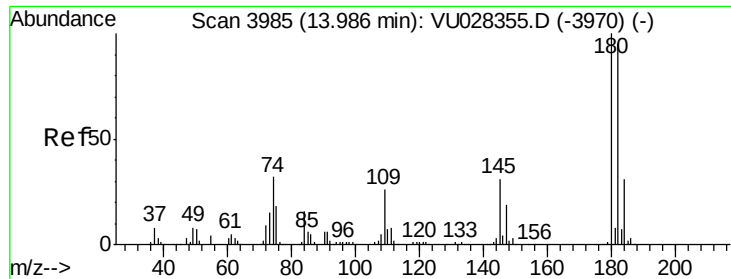
Delta R.T. 0.01 min

Lab File: VU028352.D

Acq: 28 Nov 2018 09:11

Tgt Ion:	128	Resp:	8209
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.6	15.8
129	7.8	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.913 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU028352.D
 Acq: 28 Nov 2018 09:11

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	3121
Ion Ratio	Lower	Upper	
180	100		
182	85.3	47.7	143.1
145	21.8	15.7	47.1

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