

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011519\
 Data File : VU029176.D
 Acq On : 15 Jan 2019 11:29
 Operator : JC/SP
 Sample : VU0115MBS01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/16/2019 9:41:59 AM

Quant Time: Jan 16 05:43:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119990	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	196505	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87883	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	79498	53.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.18%	
35) Dibromofluoromethane	4.88	113	67827	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	7.56	98	261456	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	10.30	95	90554	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22886	19.233	ug/l	99
3) Chloromethane	1.33	50	34186	17.546	ug/l	97
4) Vinyl Chloride	1.40	62	33750	19.246	ug/l	100
5) Bromomethane	1.62	94	20115	20.520	ug/l	99
6) Chloroethane	1.69	64	20649	19.769	ug/l	99
7) Trichlorofluoromethane	1.88	101	38252	20.019	ug/l	97
8) Diethyl Ether	2.10	74	17891	19.489	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23270	18.201	ug/l	99
10) Methyl Iodide	2.41	142	24597	20.461	ug/l	97
11) Tert butyl alcohol	2.83	59	39810	105.587	ug/l	100
12) 1,1-Dichloroethene	2.28	96	22884	18.389	ug/l	99
13) Acrolein	2.19	56	28269	99.850	ug/l	97
14) Allyl chloride	2.59	41	42315	18.532	ug/l	91
15) Acrylonitrile	2.93	53	98548	106.539	ug/l	99
16) Acetone	2.32	43	90247	96.580	ug/l	97
17) Carbon Disulfide	2.48	76	73741	17.532	ug/l	98
18) Methyl Acetate	2.61	43	48947	22.528	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	90095	20.592	ug/l	98
20) Methylene Chloride	2.70	84	30795	19.411	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27664	19.133	ug/l	98
22) Diisopropyl ether	3.57	45	94686	20.982	ug/l	97
23) Vinyl Acetate	3.52	43	379739	102.931	ug/l	100
24) 1,1-Dichloroethane	3.45	63	54859	21.058	ug/l	98
25) 2-Butanone	4.26	43	135142	107.079	ug/l	100
26) 2,2-Dichloropropane	4.22	77	43893	20.852	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	32112	20.307	ug/l	98
28) Bromochloromethane	4.55	49	24659	22.106	ug/l	97
29) Tetrahydrofuran	4.63	42	84509	110.401	ug/l	99
30) Chloroform	4.67	83	51832	20.889	ug/l	99
31) Cyclohexane	4.99	56	49096	19.274	ug/l	92
32) 1,1,1-Trichloroethane	4.91	97	42675	20.814	ug/l	100
36) 1,1-Dichloropropene	5.13	75	37470	19.077	ug/l	99
37) Ethyl Acetate	4.38	43	44595	20.684	ug/l	98
38) Carbon Tetrachloride	5.13	117	33963	20.732	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	45502	18.844	ug/l	98
40) Benzene	5.39	78	123859	20.216	ug/l	98
41) Methacrylonitrile	4.54	41	24719	21.419	ug/l	99
42) 1,2-Dichloroethane	5.40	62	39442	21.424	ug/l	99
43) Isopropyl Acetate	5.55	43	71540	21.631	ug/l	99
44) Trichloroethene	6.18	130	29757	19.602	ug/l	98
45) 1,2-Dichloropropane	6.43	63	33771	20.873	ug/l	98
46) Dibromomethane	6.56	93	21290	20.584	ug/l	99
47) Bromodichloromethane	6.76	83	40464	21.249	ug/l	98
48) Methyl methacrylate	6.62	41	34871	21.654	ug/l	98
49) 1,4-Dioxane	6.61	88	16498	432.295	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	242809	107.878	ug/l	99
52) Toluene	7.64	92	76614	20.541	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	45669	19.964	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	50700	20.511	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	32459	21.723	ug/l	94
56) Ethyl methacrylate	8.02	69	46664	20.271	ug/l	99
57) 1,3-Dichloropropane	8.24	76	53201	20.808	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	92100	90.974	ug/l	99
59) 2-Hexanone	8.36	43	188187	106.514	ug/l	99
60) Dibromochloromethane	8.48	129	30173	20.383	ug/l	98
61) 1,2-Dibromoethane	8.58	107	32754	20.212	ug/l	98
64) Tetrachloroethene	8.22	164	26957	20.601	ug/l	99
65) Chlorobenzene	9.12	112	81279	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27756	21.005	ug/l	99
67) Ethyl Benzene	9.25	91	136919	20.141	ug/l	98
68) m/p-Xylenes	9.37	106	106402	40.282	ug/l	98
69) o-Xylene	9.78	106	51774	20.343	ug/l	98
70) Styrene	9.79	104	83447	20.000	ug/l	99
71) Bromoform	9.95	173	23937	20.344	ug/l #	99
73) Isopropylbenzene	10.16	105	135762	20.871	ug/l	100
74) N-amyl acetate	10.01	43	59253	21.139	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	54153	20.772	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	46110m	21.414	ug/l	
77) Bromobenzene	10.45	156	35100	20.706	ug/l	99
78) n-propylbenzene	10.58	91	160110	20.886	ug/l	99
79) 2-Chlorotoluene	10.66	91	94856	20.398	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	112545	20.719	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14080m	16.864	ug/l	
82) 4-Chlorotoluene	10.77	91	106972	20.061	ug/l	100
83) tert-Butylbenzene	11.10	119	110488	20.637	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	113287	20.889	ug/l	100
85) sec-Butylbenzene	11.32	105	138857	21.445	ug/l	100
86) p-Isopropyltoluene	11.47	119	115179	20.875	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	61214	19.687	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	62073	19.340	ug/l	99
89) n-Butylbenzene	11.89	91	104095	21.138	ug/l	99
90) Hexachloroethane	12.14	117	18416	19.840	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	62285	19.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10916	21.770	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	38960	19.488	ug/l	98
94) Hexachlorobutadiene	13.69	225	19450	21.270	ug/l	98
95) Naphthalene	13.74	128	127841	18.798	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	40905	20.343	ug/l	99

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

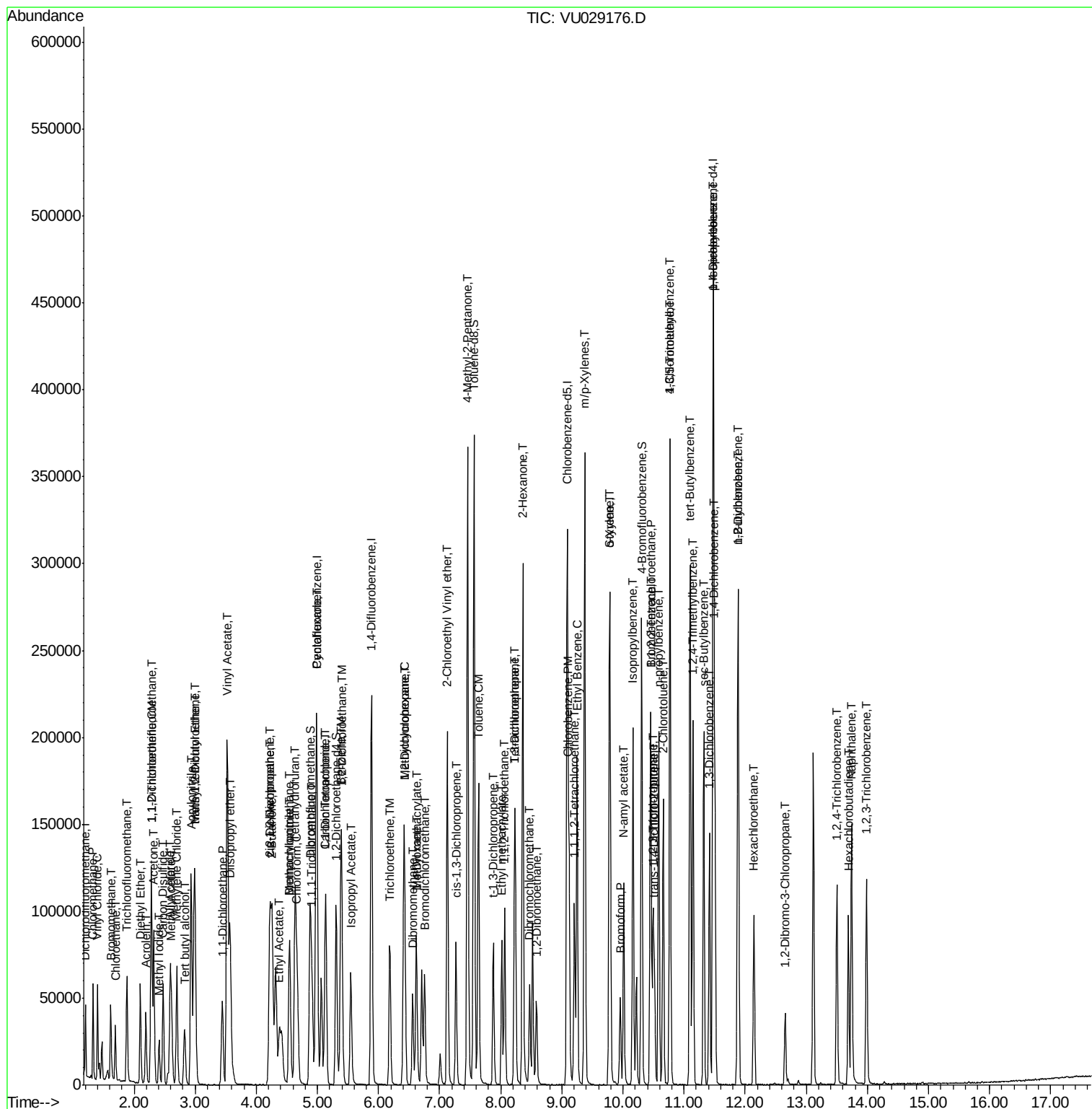
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU011519\
Data File : VU029176.D
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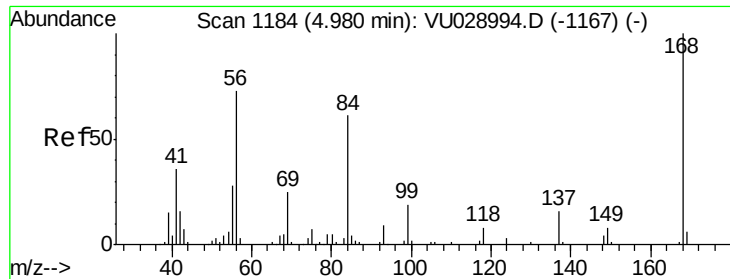
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion:168 Resp: 119990

Ion Ratio Lower Upper

168 100

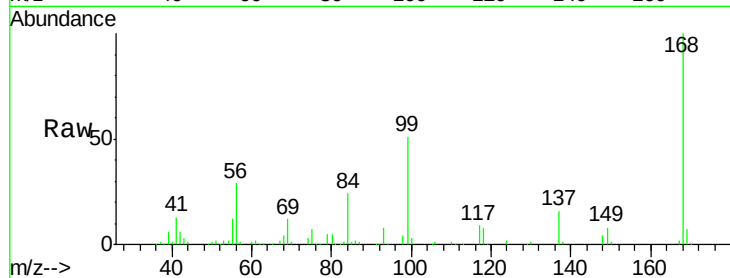
99 50.4 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

50000

40000

30000

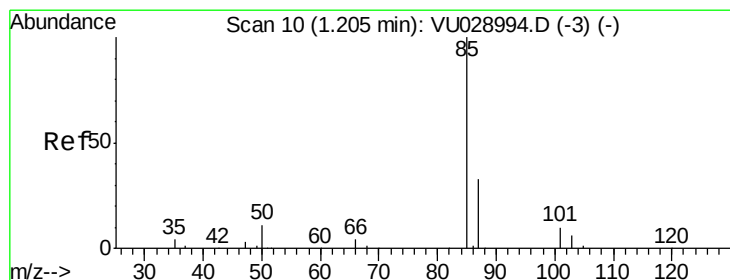
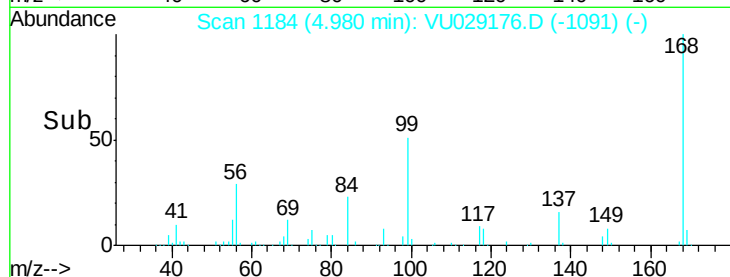
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.233 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029176.D

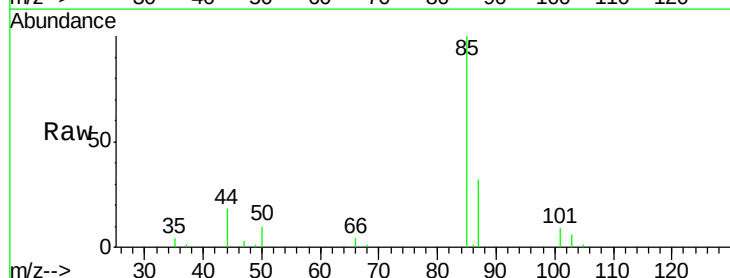
Acq: 15 Jan 2019 11:29

Tgt Ion: 85 Resp: 22886

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

25000

20000

15000

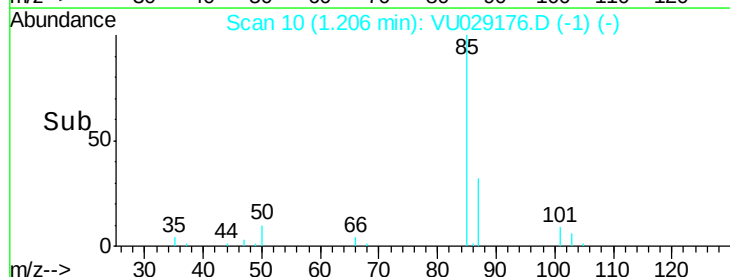
10000

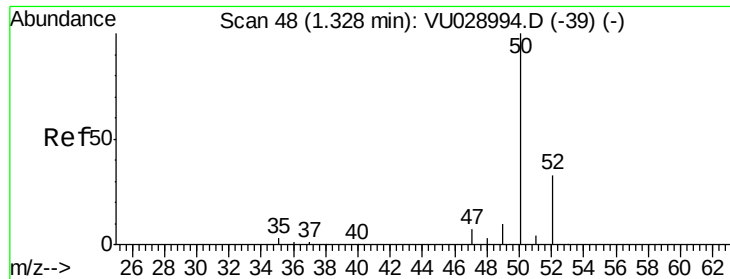
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.546 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tot Ion: 50 Resp: 34186

Ion Ratio Lower Upper

50 100

52 34.3 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

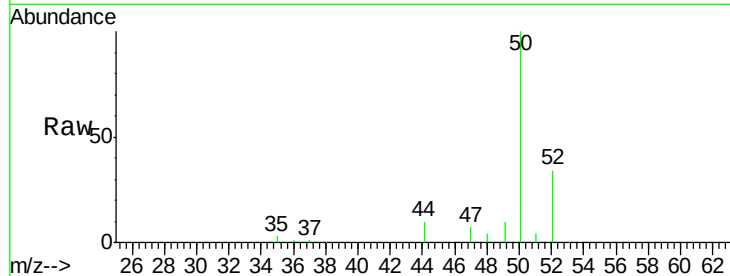
VU0115MBS01

Manual Integrations

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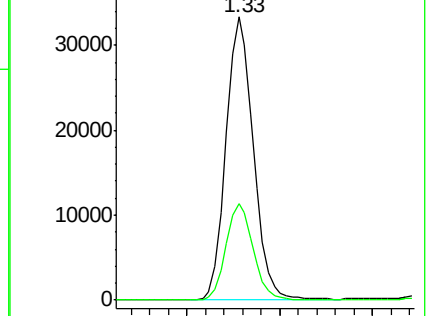
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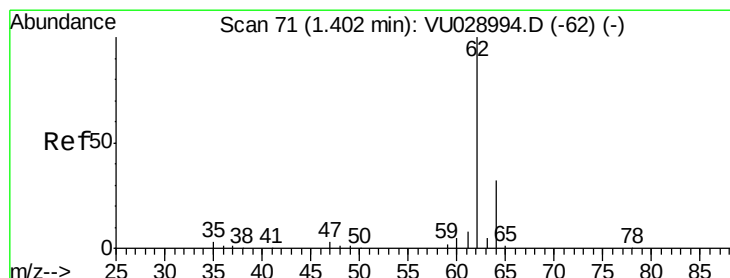
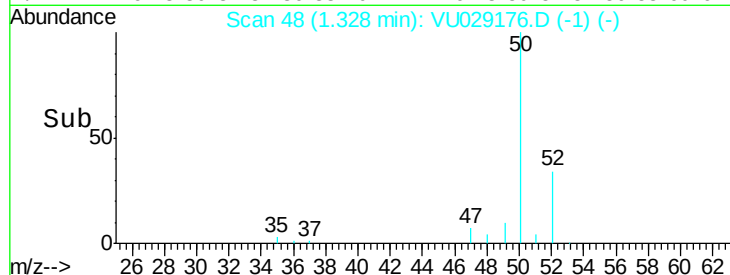


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 19.246 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029176.D

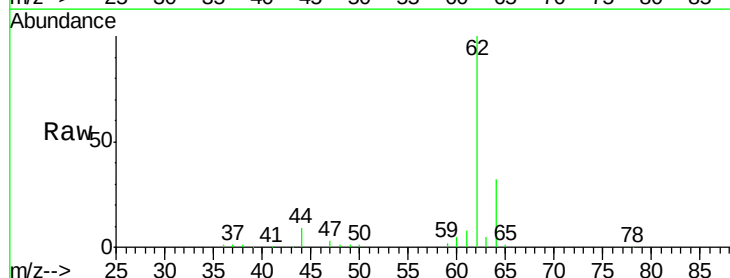
Acq: 15 Jan 2019 11:29

Tgt Ion: 62 Resp: 33750

Ion Ratio Lower Upper

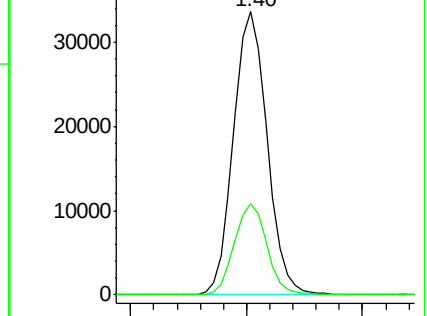
62 100

64 32.3 25.9 38.9

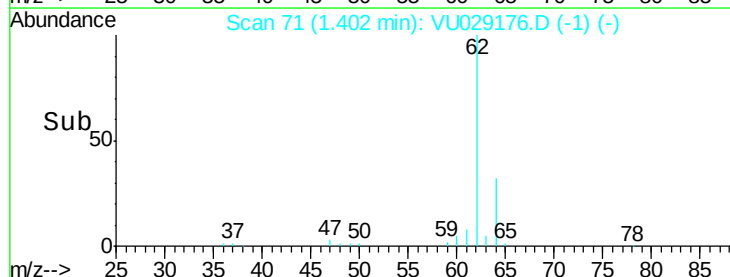


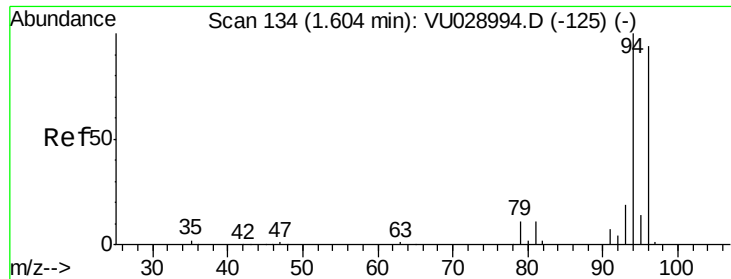
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 20.520 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.01 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 94 Resp: 20115

Ion Ratio Lower Upper

94 100

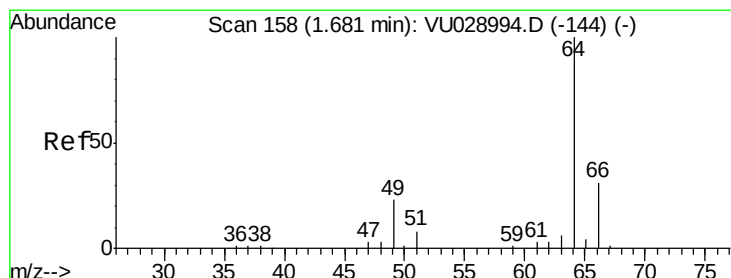
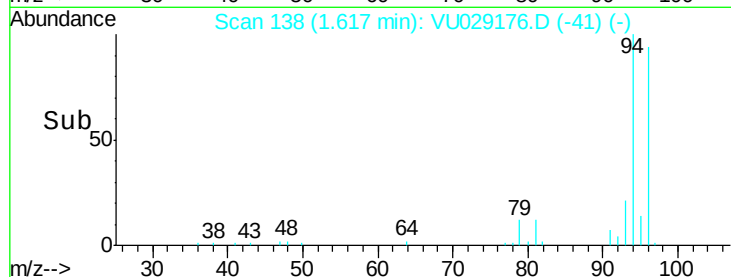
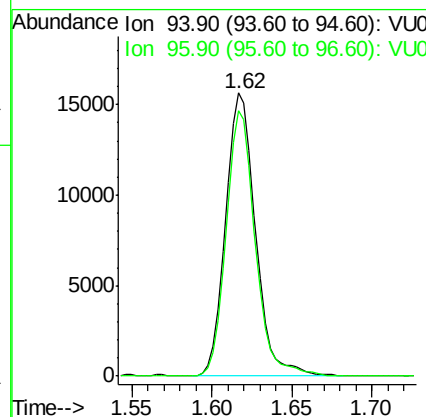
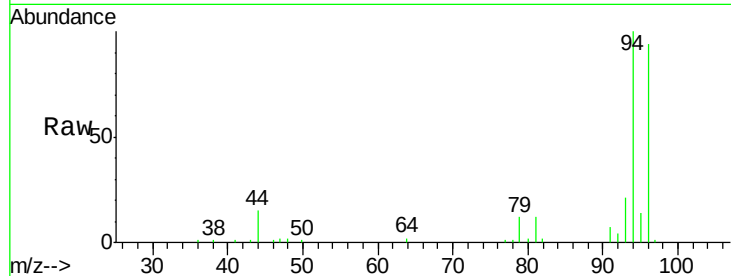
96 93.7 75.5 113.3

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 19.769 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029176.D

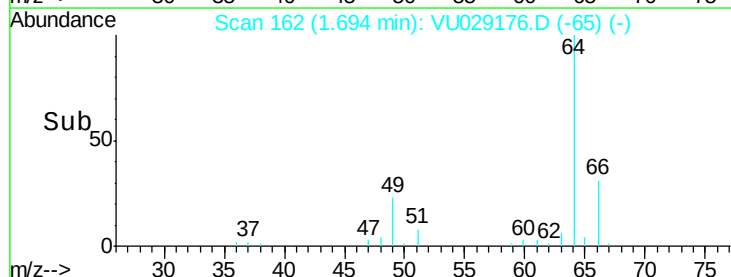
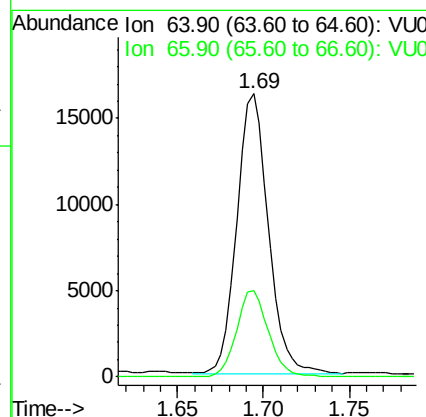
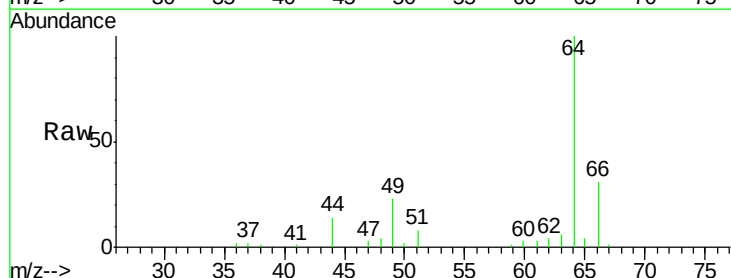
Acq: 15 Jan 2019 11:29

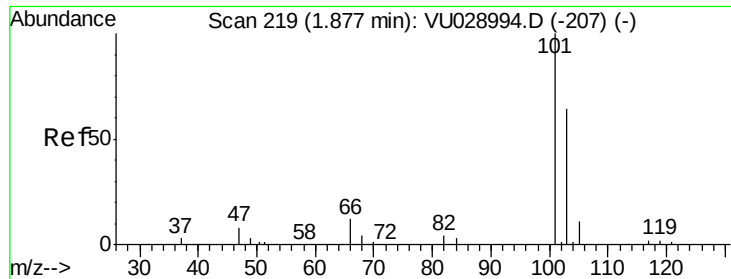
Tgt Ion: 64 Resp: 20649

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8





#7

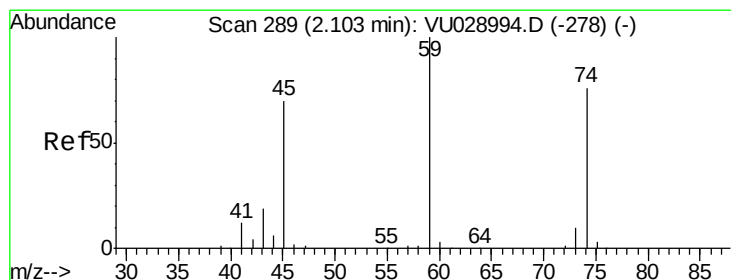
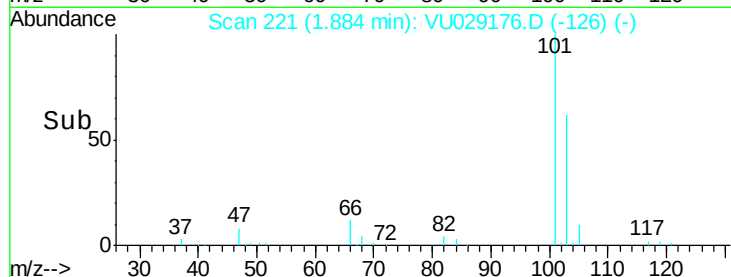
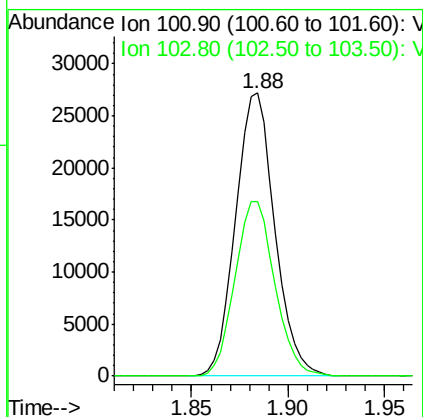
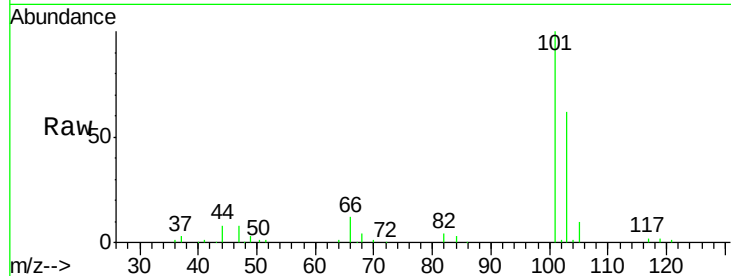
Trichlorofluoromethane
Concen: 20.019 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:101 Resp: 38252
Ion Ratio Lower Upper
101 100
103 61.8 51.5 77.3

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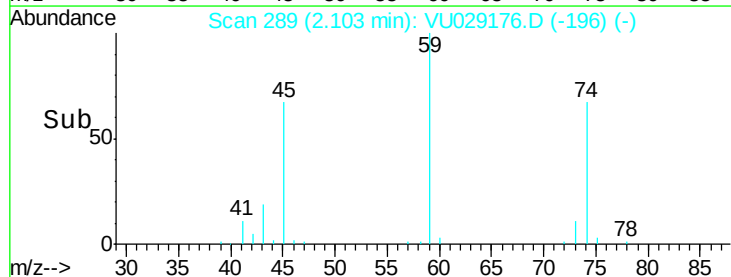
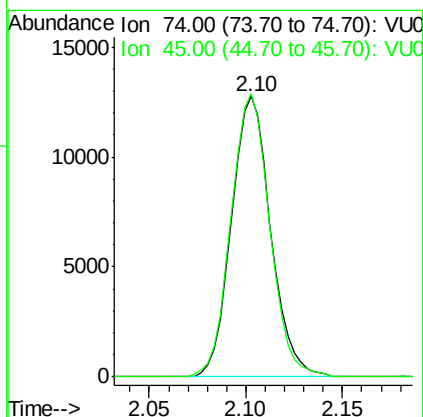
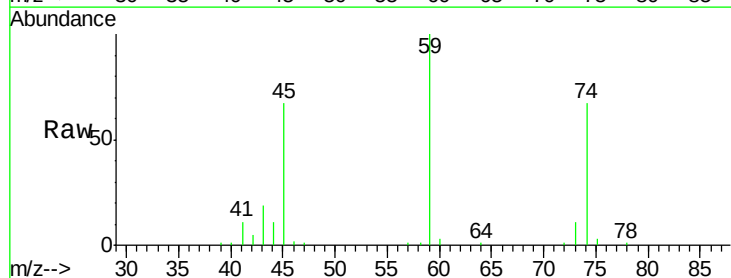
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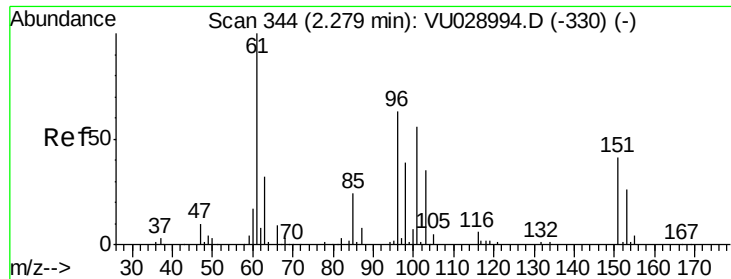


#8

Diethyl Ether
Concen: 19.489 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 74 Resp: 17891
Ion Ratio Lower Upper
74 100
45 100.0 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.201 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

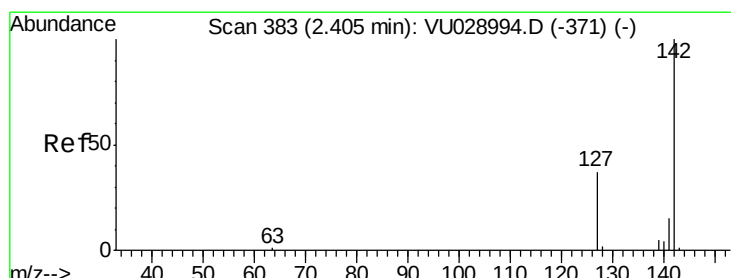
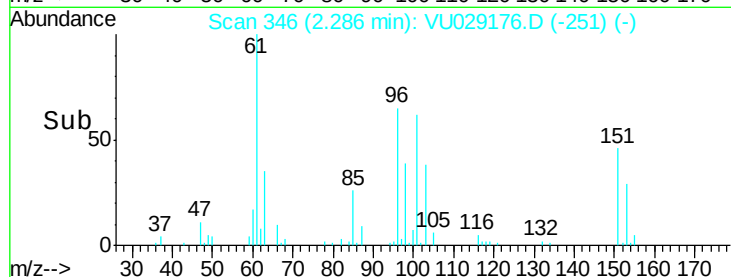
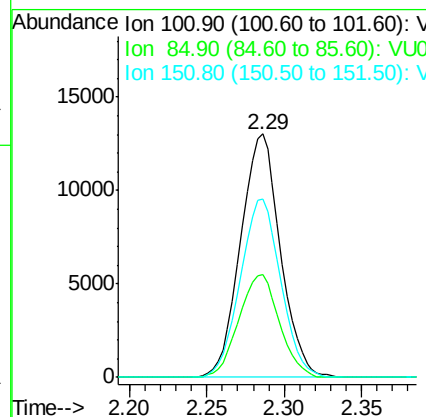
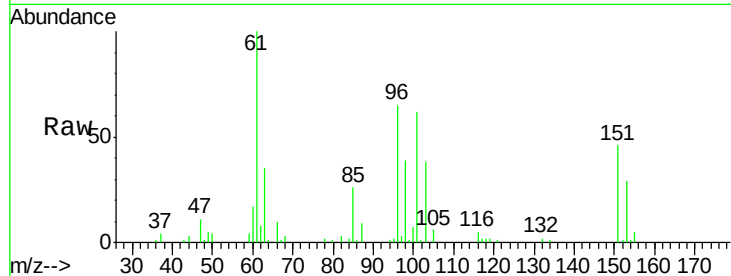
ClientSampleId :

VU0115MBS01

Tot Ion:	101	Resp:	23270
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.1	52.7
151	74.5	60.2	90.2

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#10

Methyl Iodide

Concen: 20.461 ug/l

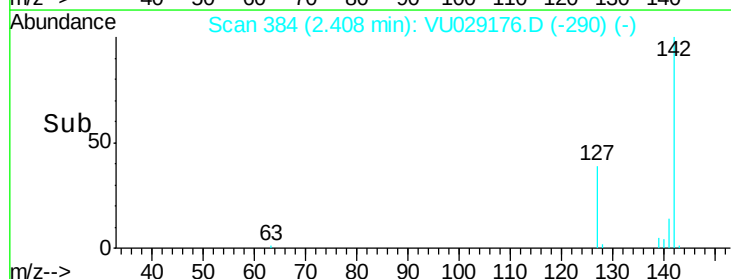
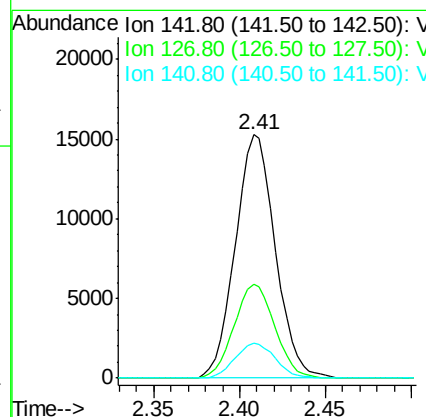
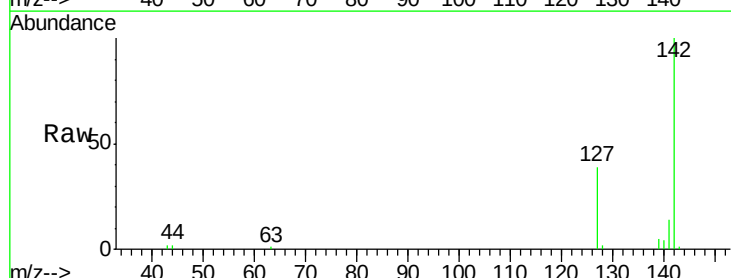
RT: 2.41 min Scan# 384

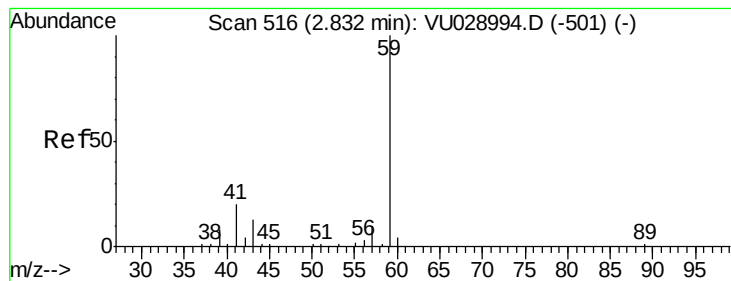
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	142	Resp:	24597
Ion Ratio	Lower	Upper	
142	100		
127	39.4	29.8	44.6
141	14.4	11.5	17.3





#11

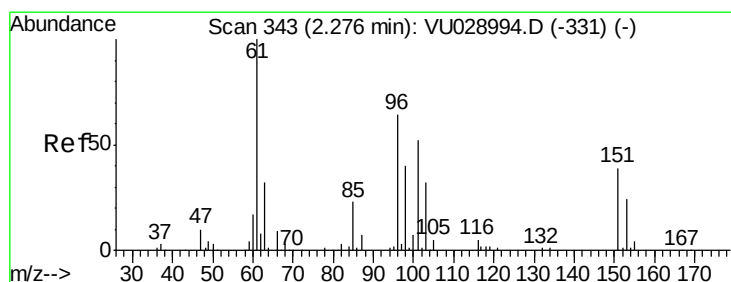
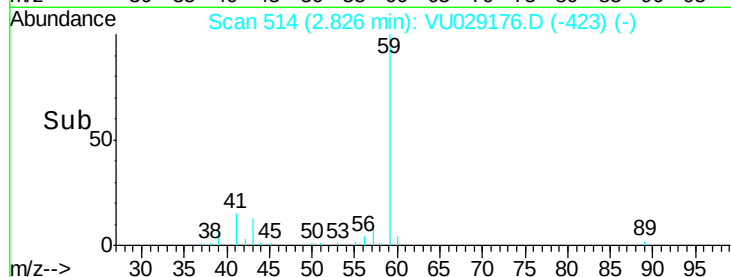
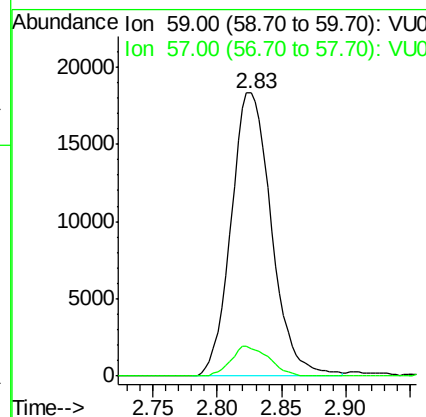
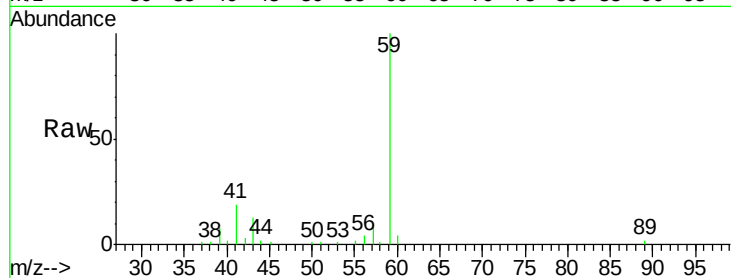
Tert butyl alcohol
 Concen: 105.587 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39810		
57	9.8		7.9	11.9

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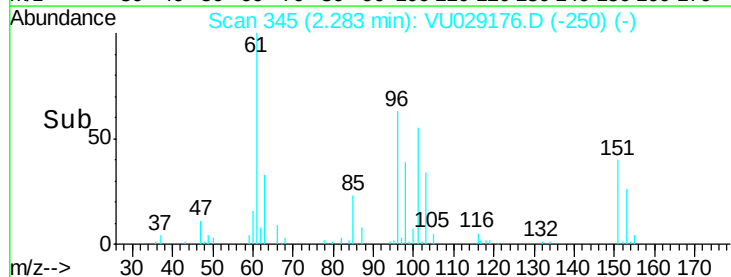
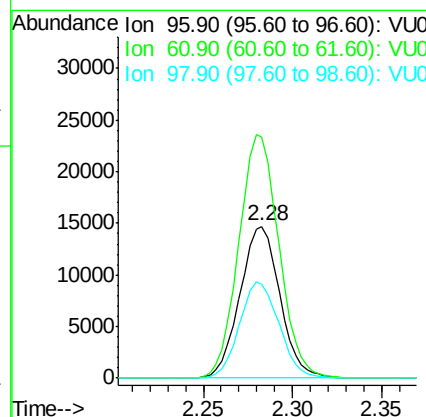
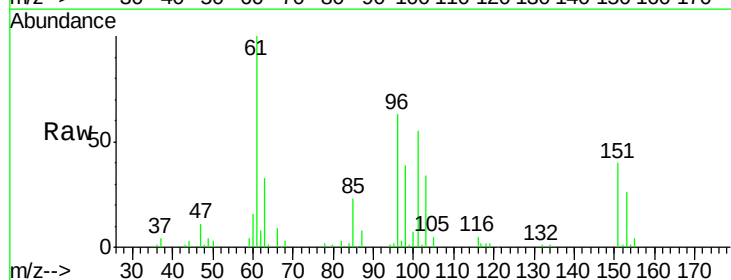
MMDadoda
 1/16/2019 9:41:59 AM

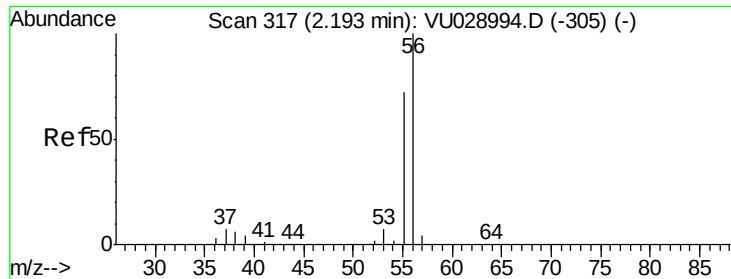


#12

1,1-Dichloroethene
 Concen: 18.389 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22884		
61	159.2		125.4	188.0
98	62.0		49.7	74.5





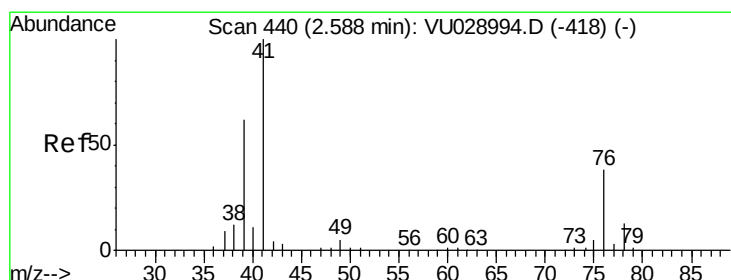
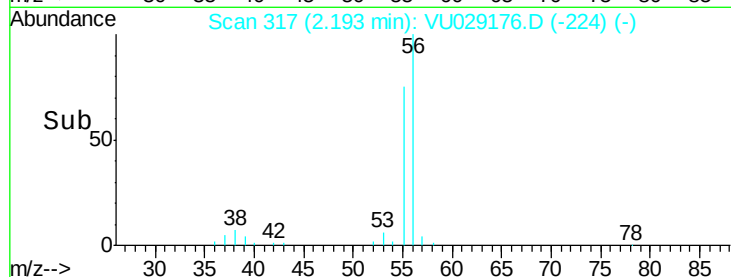
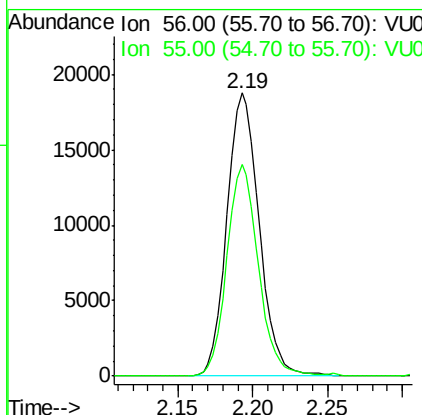
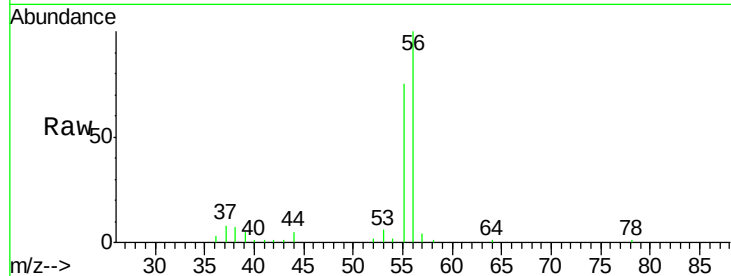
#13
Acrolein
Concen: 99.850 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	56	55	Resp	28269	Lower	Upper
Ion Ratio	100	72.8				
					56.5	84.7

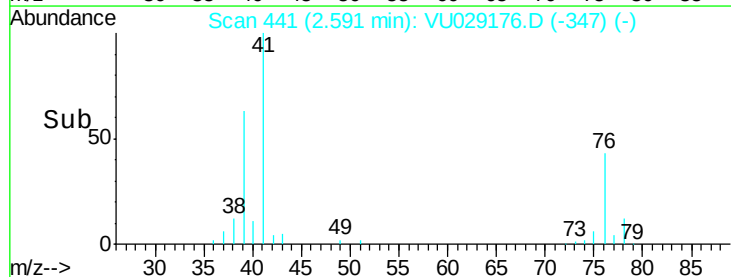
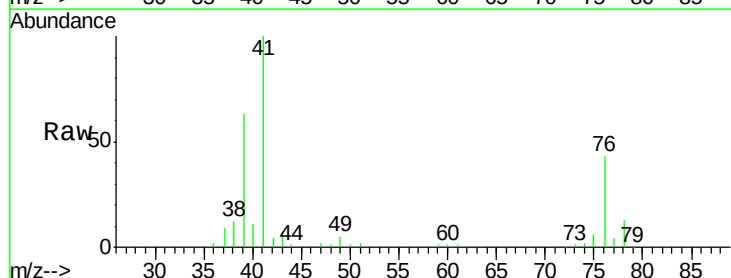
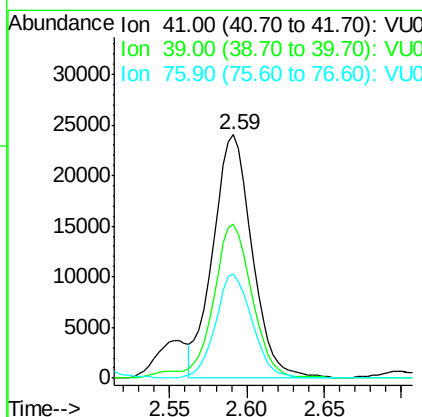
Manual Integrations
APPROVED

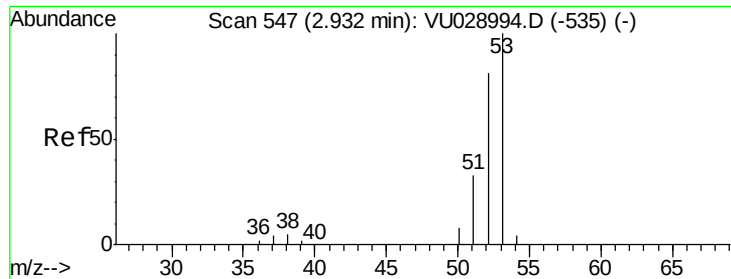
MMDadoda
1/16/2019 9:41:59 AM



#14
Allyl chloride
Concen: 18.532 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	41	39	76	Resp	42315	Lower	Upper
Ion Ratio	100	63.4	39.8				
						45.0	67.6
						28.1	42.1





#15

Acrylonitrile

Concen: 106.539 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

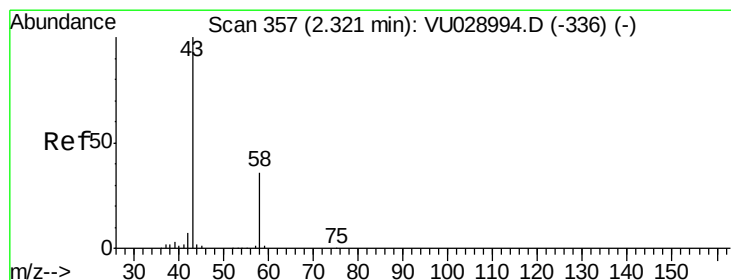
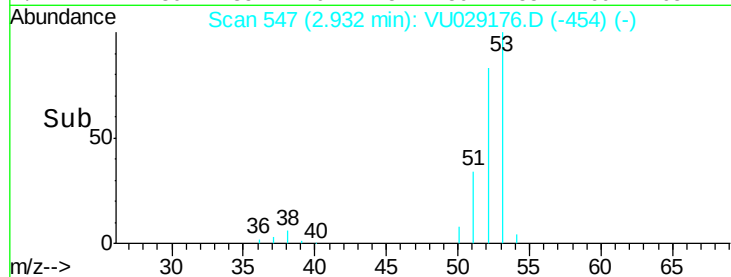
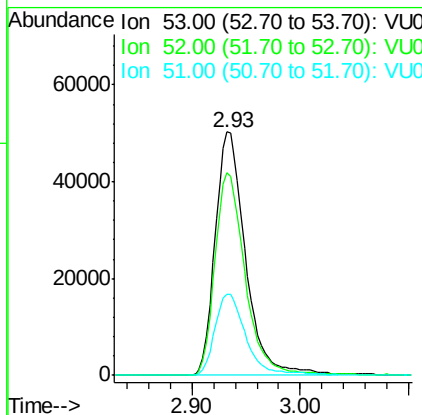
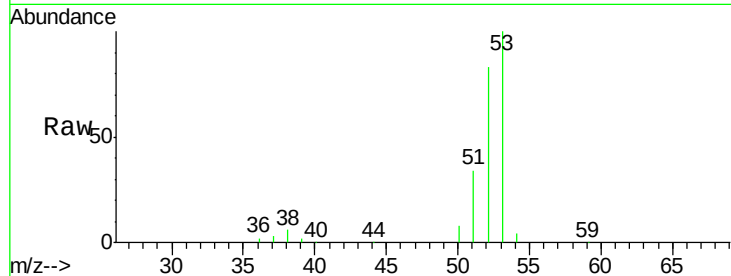
ClientSampleId :

VU0115MBS01

Tot Ion:	53	Resp:	98548
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.8	97.2
51	34.4	27.3	40.9

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#16

Acetone

Concen: 96.580 ug/l

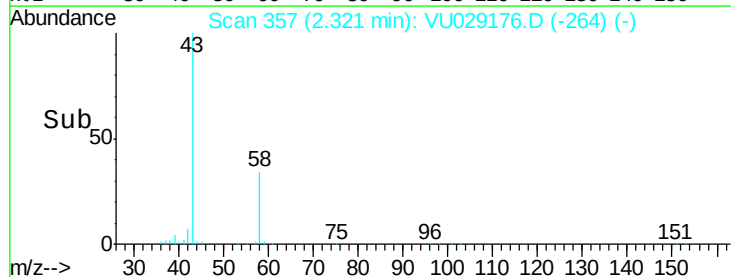
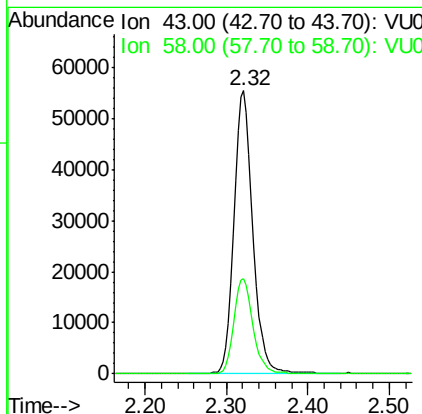
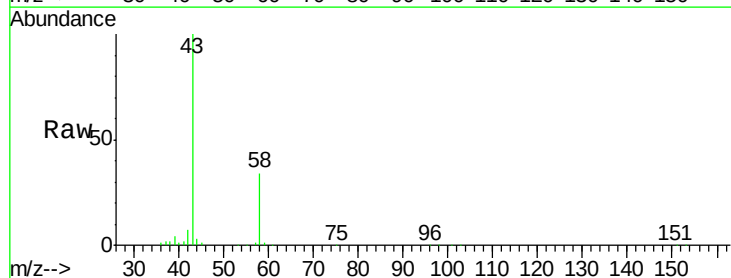
RT: 2.32 min Scan# 357

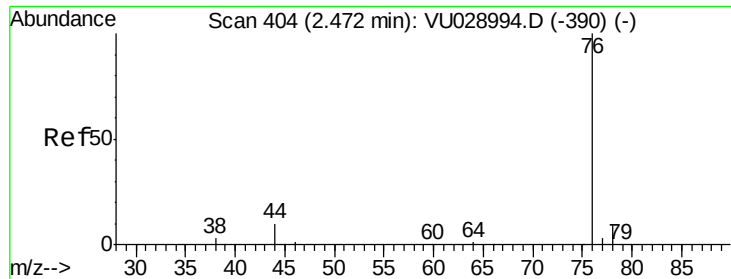
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	43	Resp:	90247
Ion	Ratio	Lower	Upper
43	100		
58	33.7	28.6	42.8





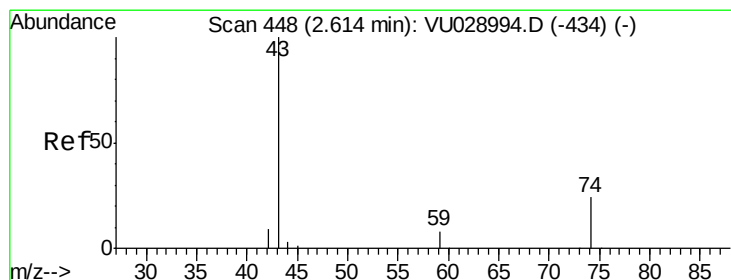
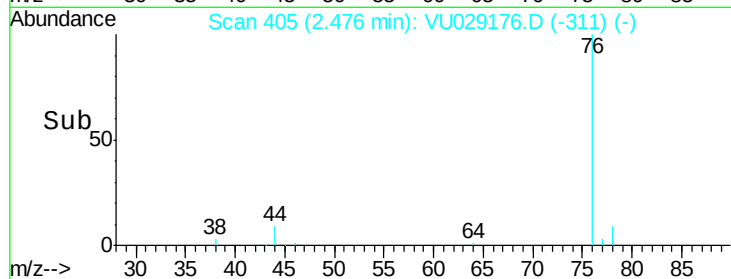
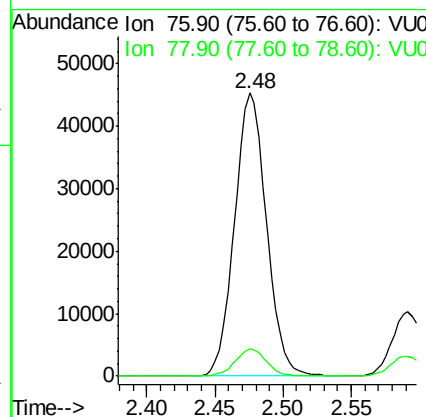
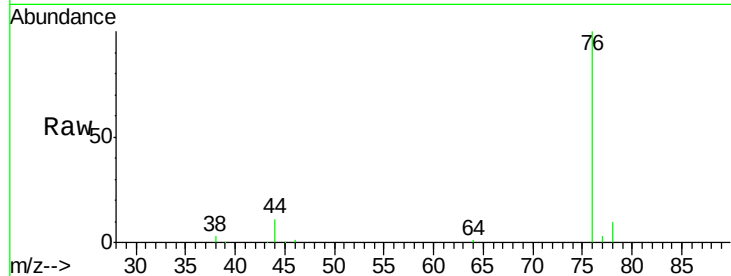
#17
Carbon Disulfide
Concen: 17.532 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.2	10.8

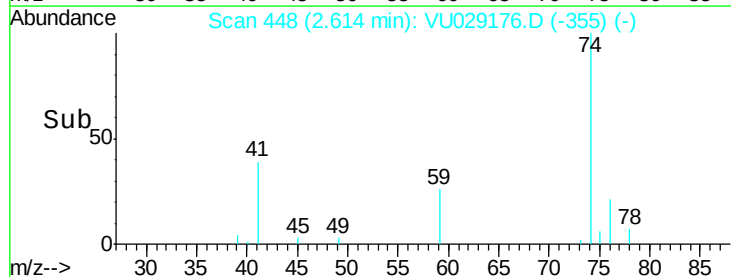
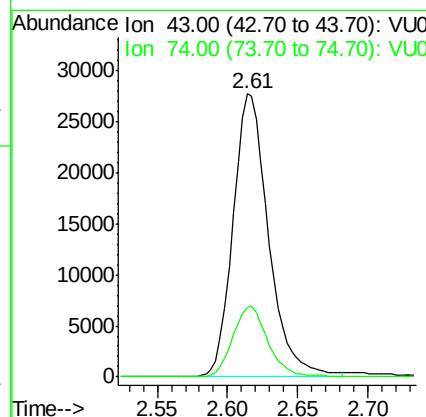
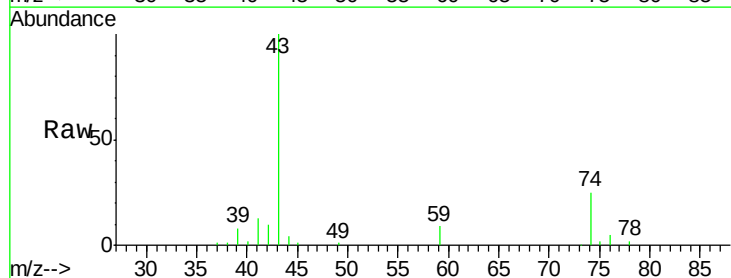
Manual Integrations
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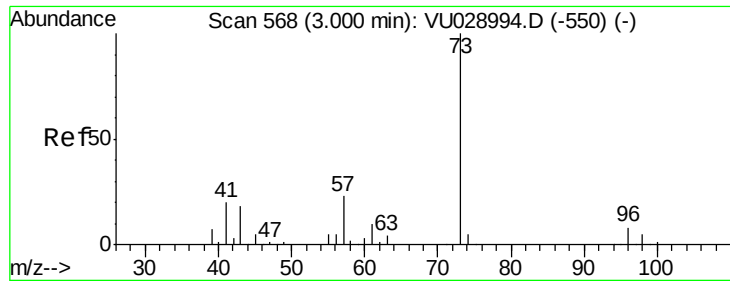
MMDadoda
1/16/2019 9:41:59 AM



#18
Methyl Acetate
Concen: 22.528 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.5	29.3





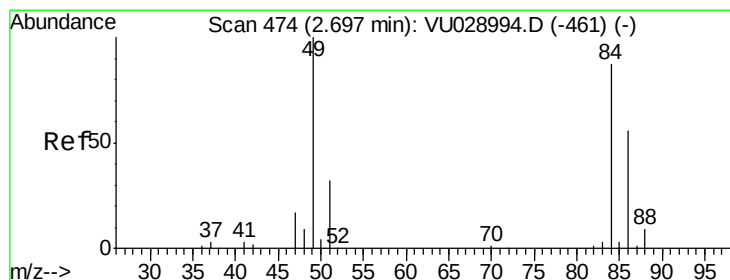
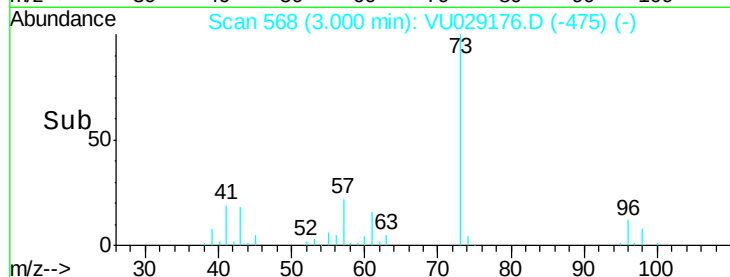
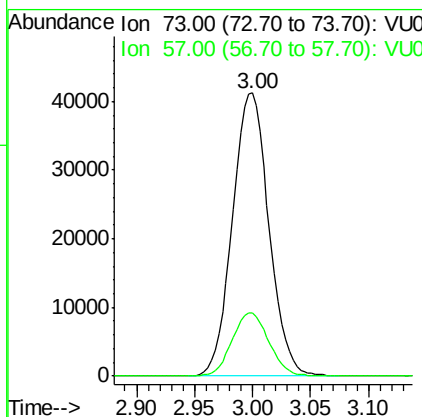
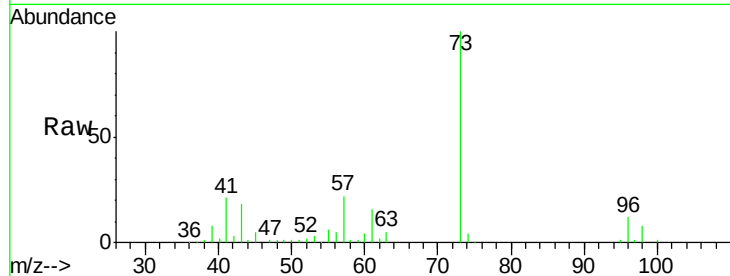
#19
Methyl tert-butyl Ether
Concen: 20.592 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 73 Resp: 90095
Ion Ratio Lower Upper
73 100
57 22.1 18.6 28.0

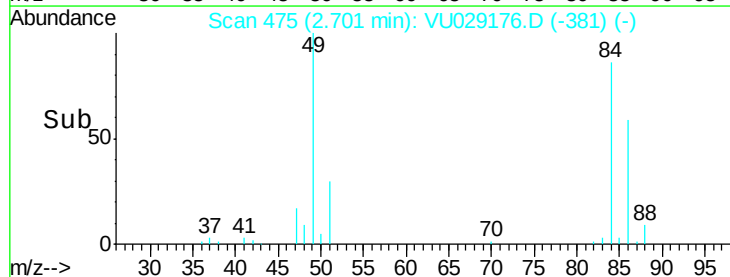
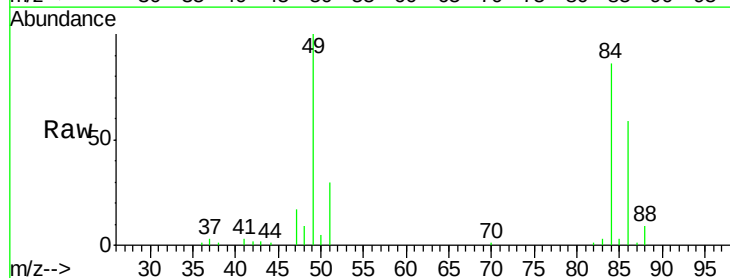
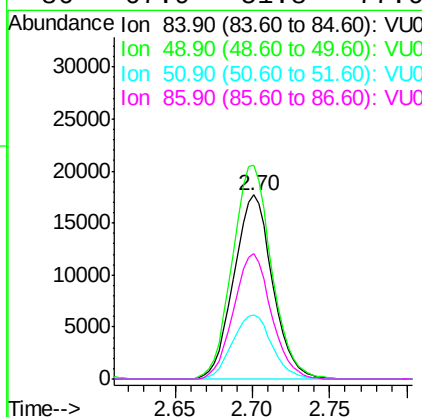
Manual Integrations
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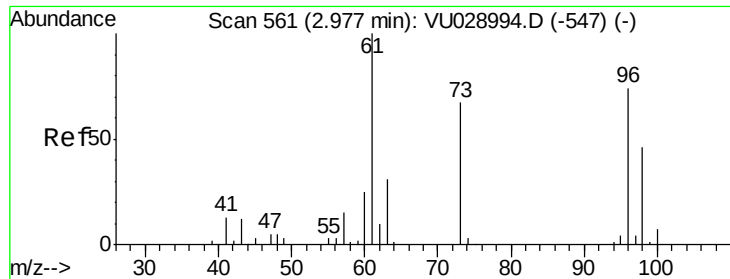
MMDadoda
1/16/2019 9:41:59 AM



#20
Methylene Chloride
Concen: 19.411 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 84 Resp: 30795
Ion Ratio Lower Upper
84 100
49 115.9 91.9 137.9
51 34.7 29.2 43.8
86 67.9 51.8 77.6





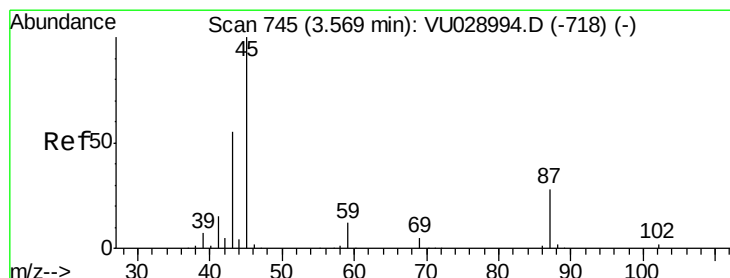
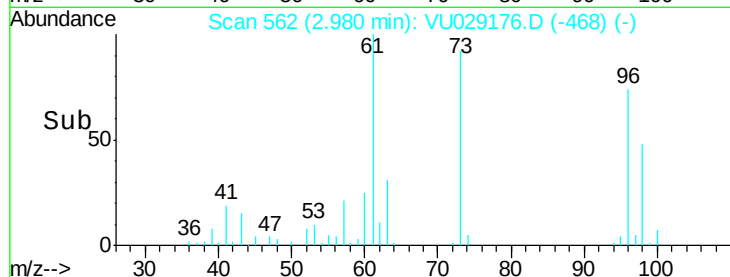
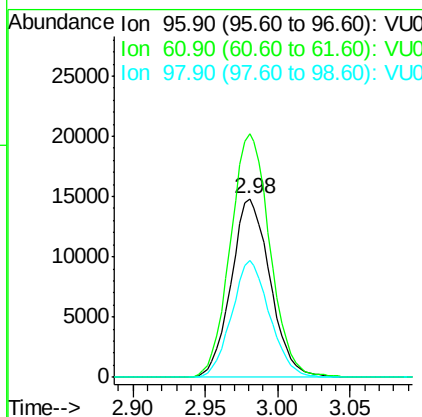
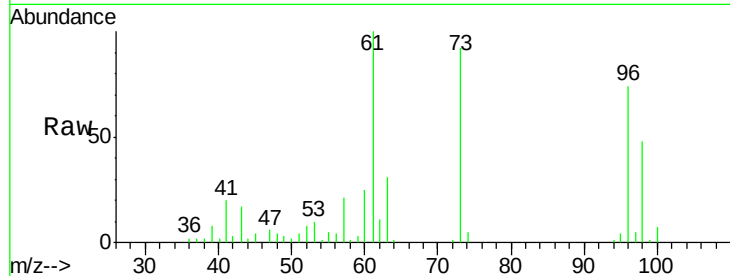
#21
trans-1,2-Dichloroethene
Concen: 19.133 ug/l
RT: 2.98 min Scan# 562
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	107.7	161.5
98	65.5	49.2	73.8

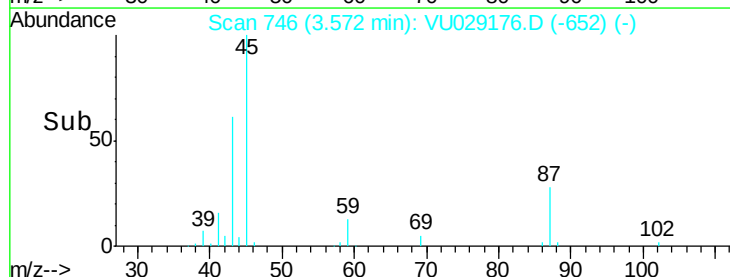
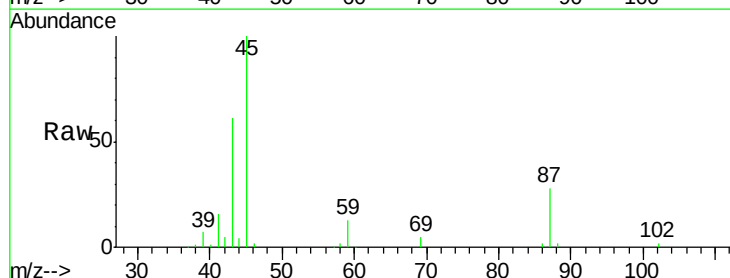
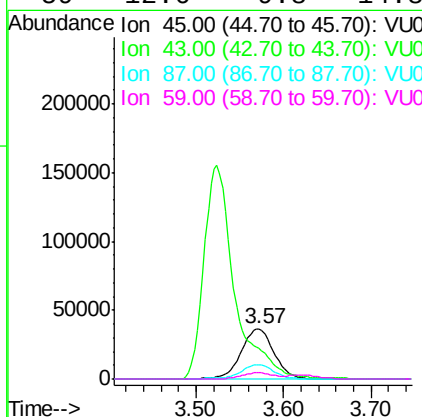
Manual Integrations
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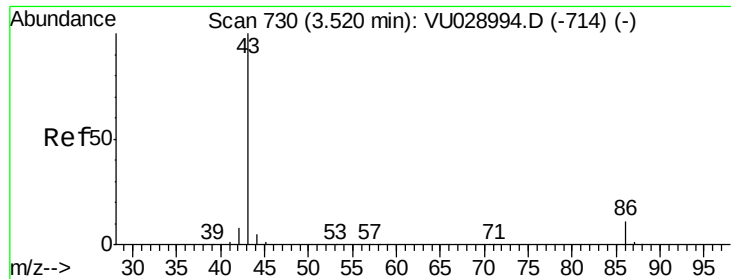
MMDadoda
1/16/2019 9:41:59 AM



#22
Diisopropyl ether
Concen: 20.982 ug/l
RT: 3.57 min Scan# 746
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	44.7	67.1
87	28.3	22.2	33.2
59	12.6	9.8	14.8





#23

Vinyl Acetate

Concen: 102.931 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 43 Resp: 379739

Ion Ratio Lower Upper

43 100

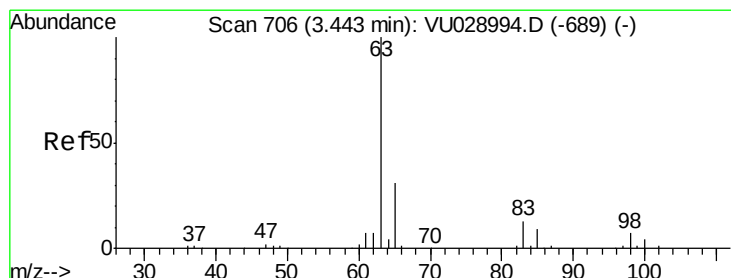
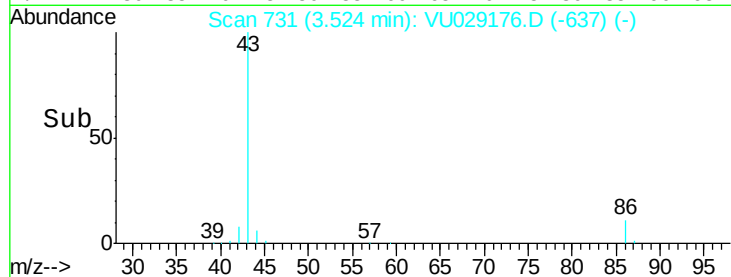
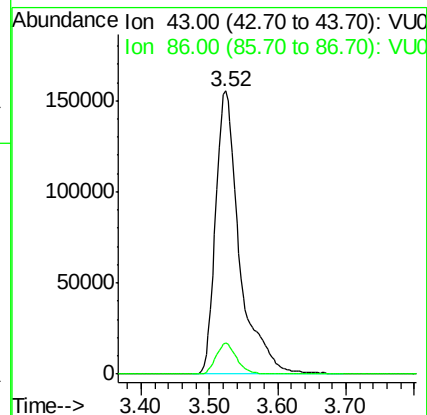
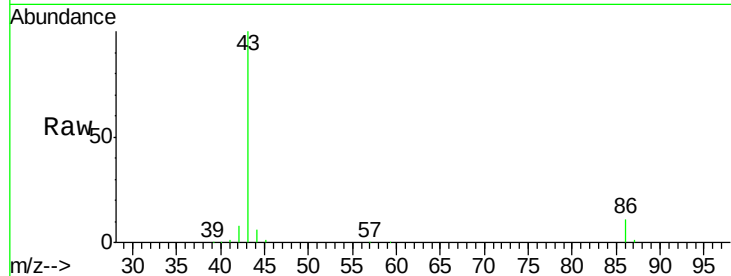
86 10.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.058 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

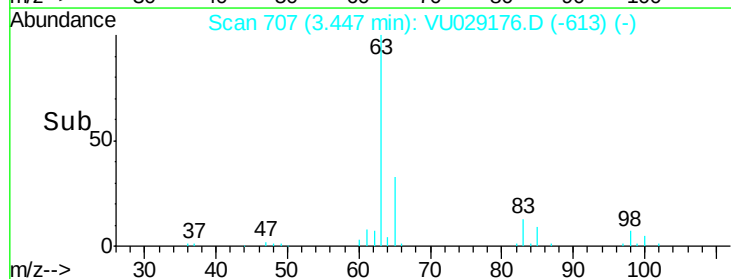
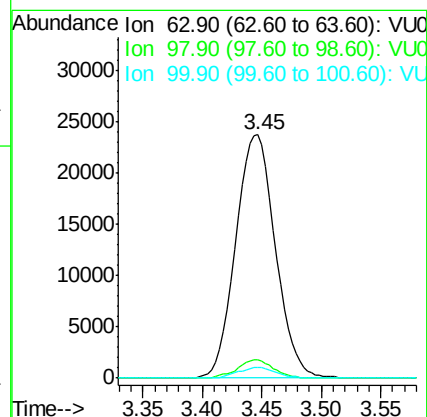
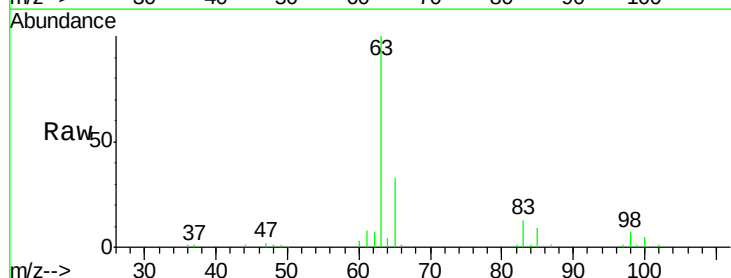
Tgt Ion: 63 Resp: 54859

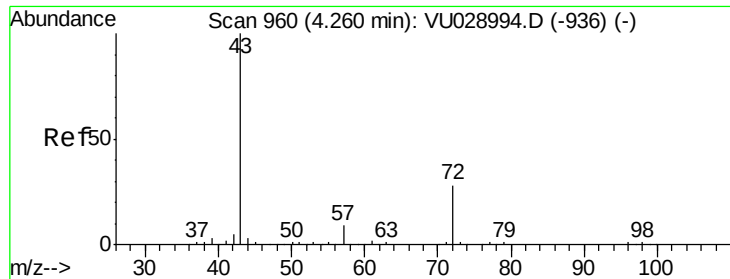
Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.1

100 4.6 2.0 5.8





#25

2-Butanone

Concen: 107.079 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 43 Resp: 135142

Ion Ratio Lower Upper

43 100

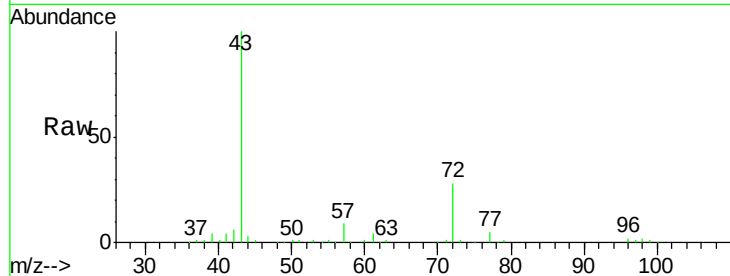
72 28.3 22.6 33.8

Manual Integrations

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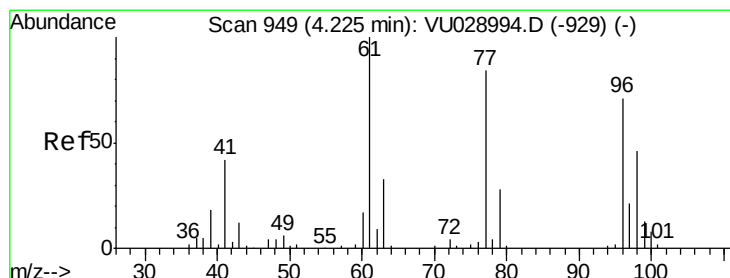
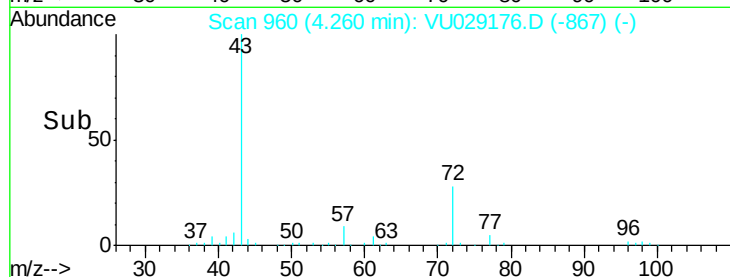
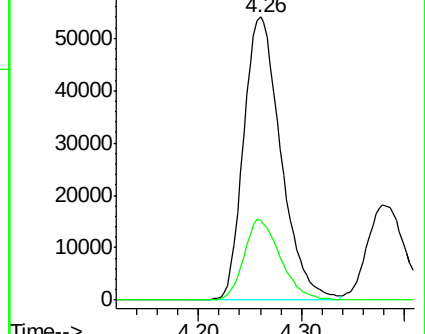
MMDadoda

1/16/2019 9:41:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.852 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029176.D

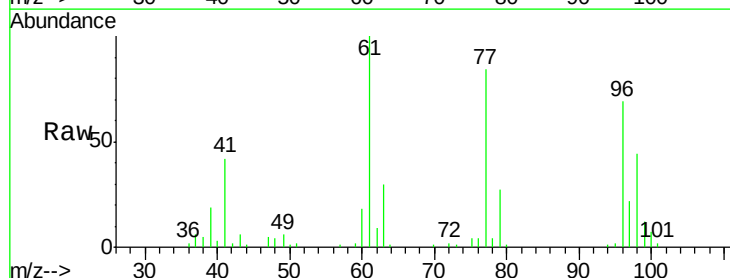
Acq: 15 Jan 2019 11:29

Tgt Ion: 77 Resp: 43893

Ion Ratio Lower Upper

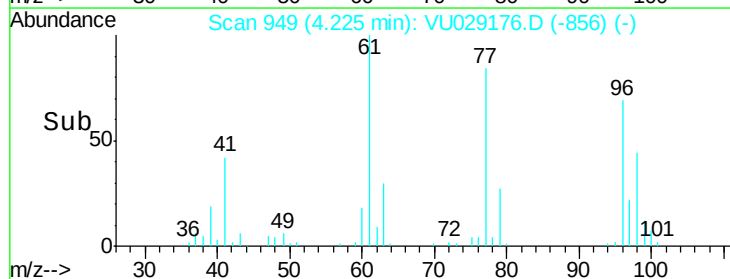
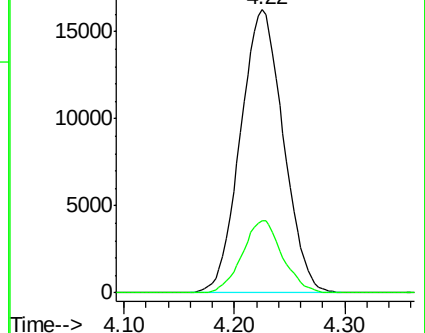
77 100

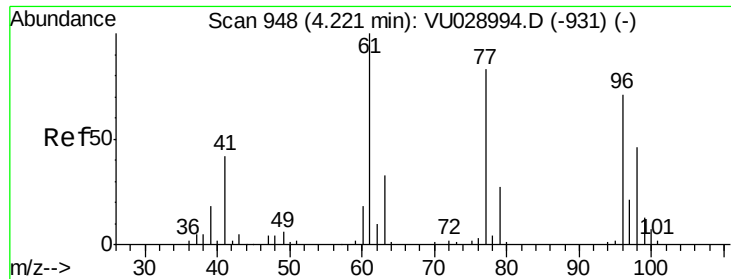
97 23.7 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

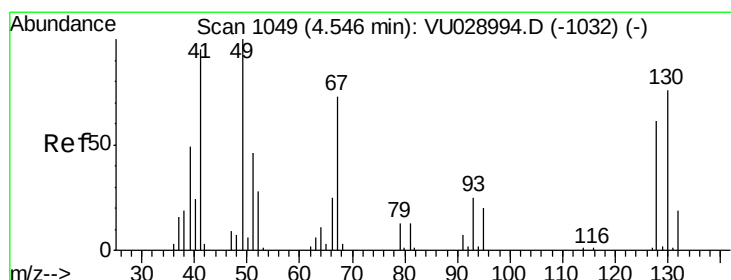
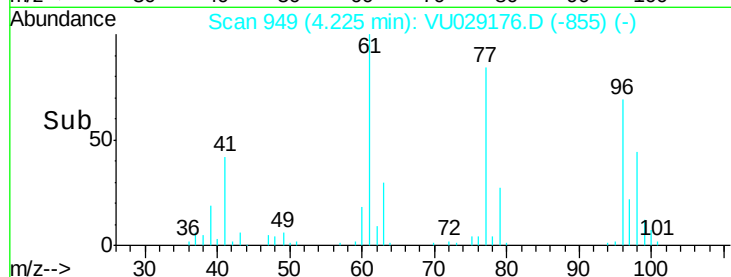
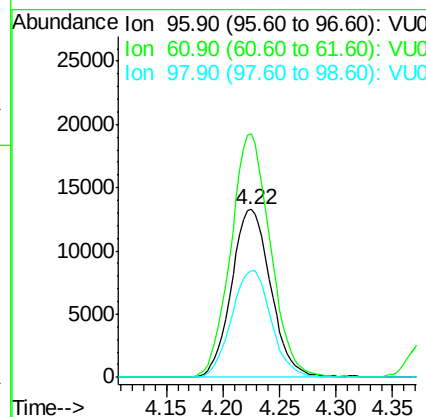
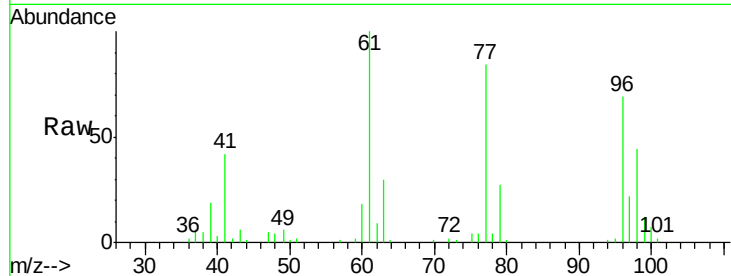
cis-1,2-Dichloroethene
Concen: 20.307 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	285.6
98	63.8	0.0	130.2

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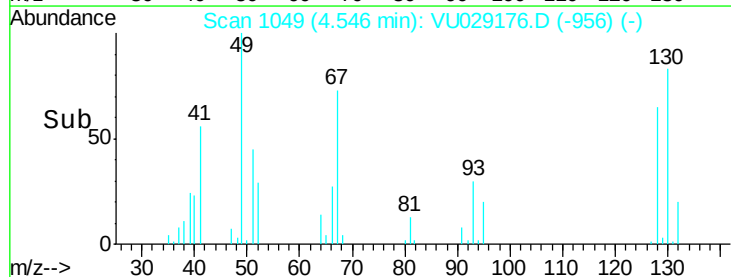
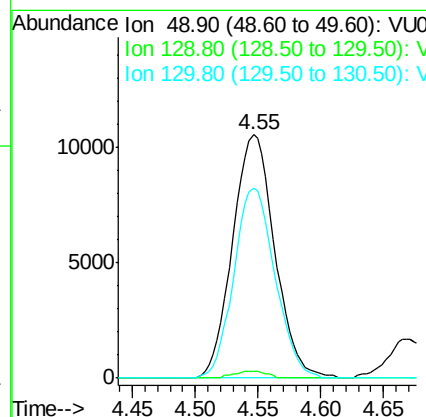
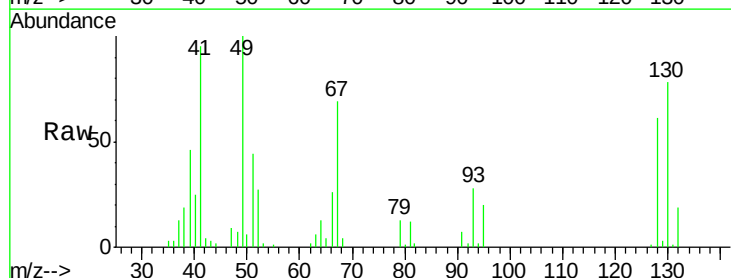
MMDadoda
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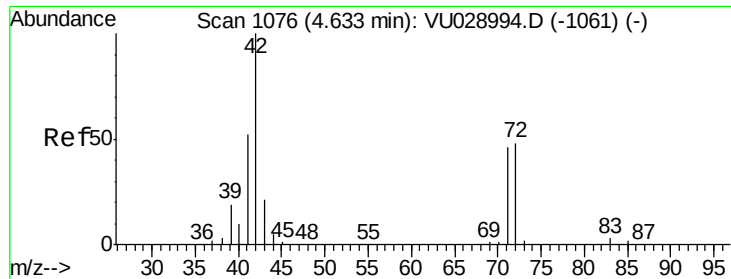


#28

Bromochloromethane
Concen: 22.106 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.4
130	76.3	62.9	94.3





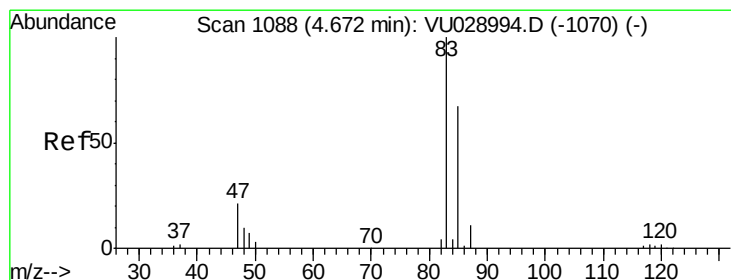
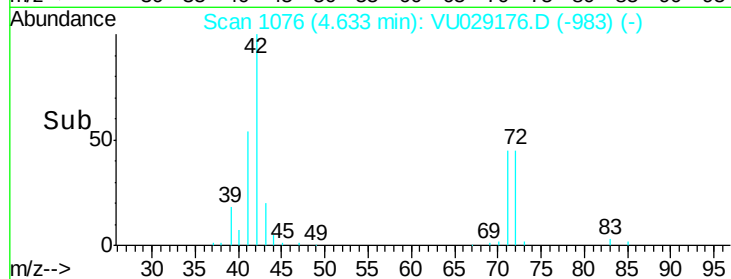
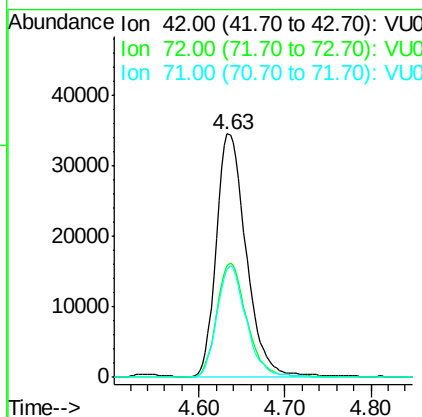
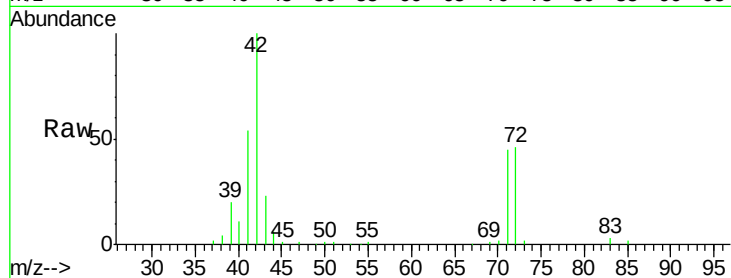
#29
Tetrahydrofuran
Concen: 110.401 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.3	57.5
71	44.2	36.1	54.1

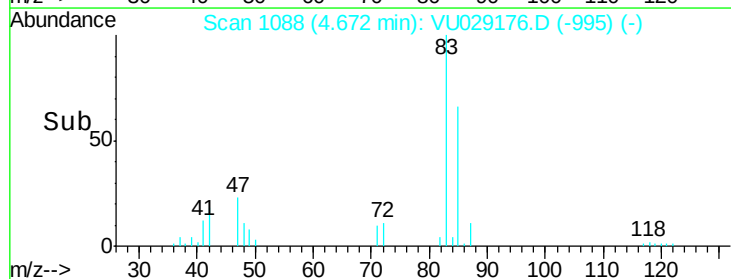
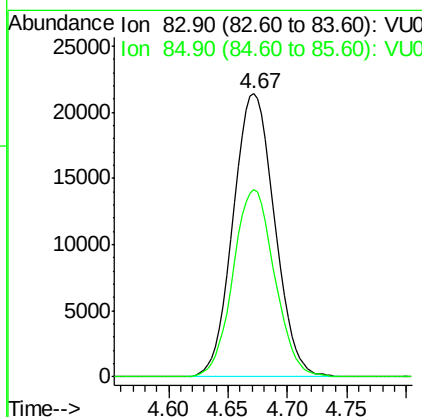
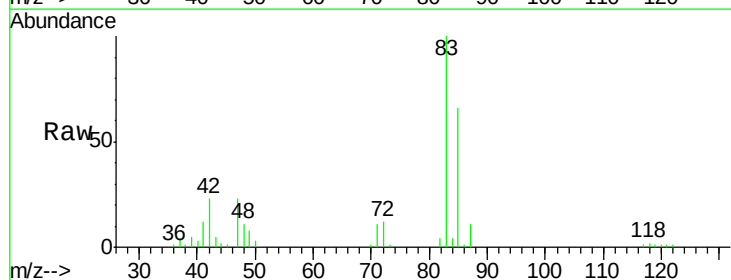
Manual Integrations
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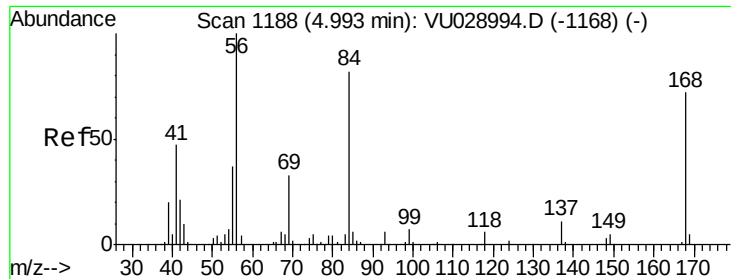
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1/16/2019 9:41:59 AM



#30
Chloroform
Concen: 20.889 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.4	80.0





#31

Cyclohexane

Concen: 19.274 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

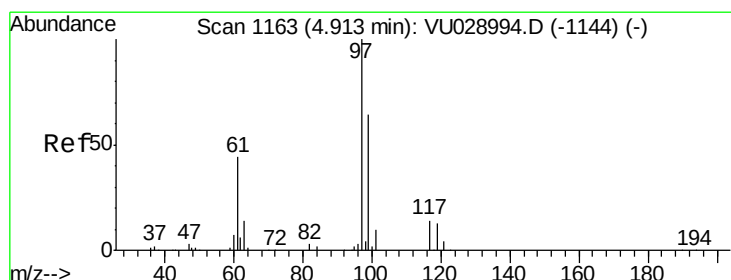
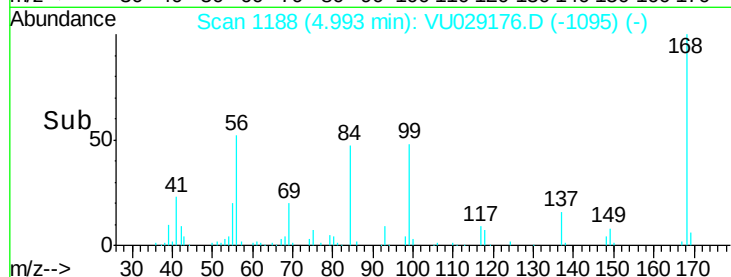
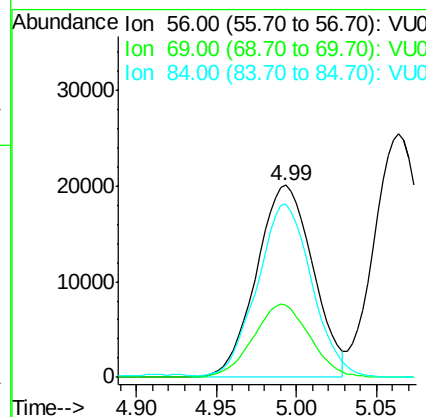
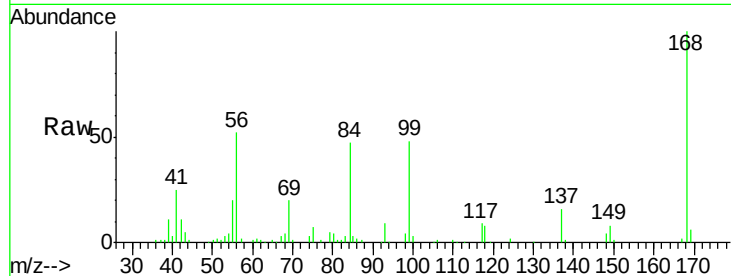
ClientSampleId :

VU0115MBS01

Tot Ion:	56	Resp:	49096
Ion Ratio	Lower	Upper	
56	100		
69	37.8	26.7	40.1
84	89.0	65.7	98.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.814 ug/l

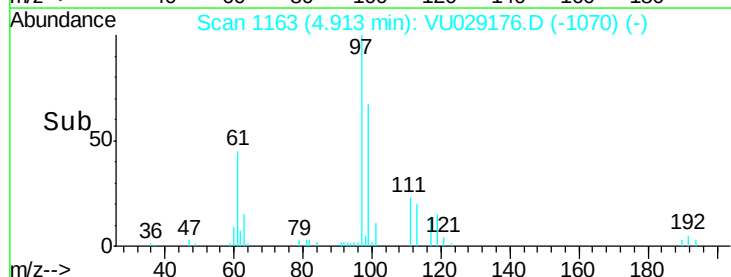
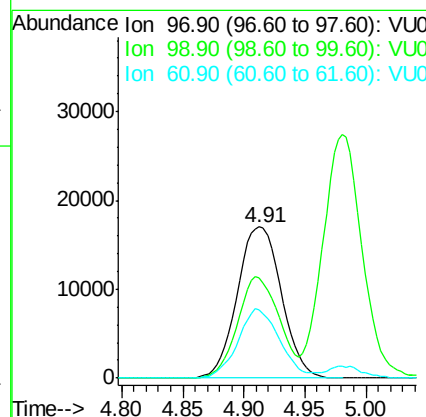
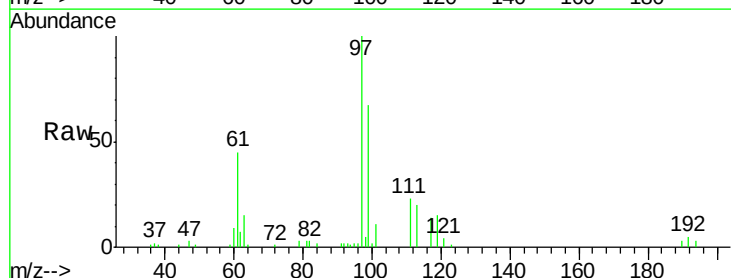
RT: 4.91 min Scan# 1163

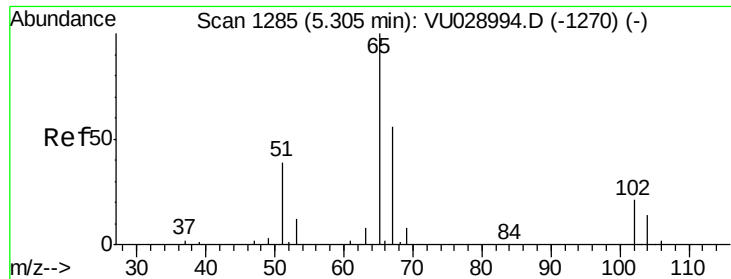
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	97	Resp:	42675
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.4
61	43.3	34.4	51.6





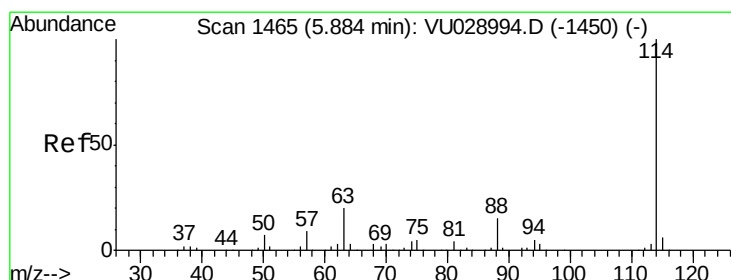
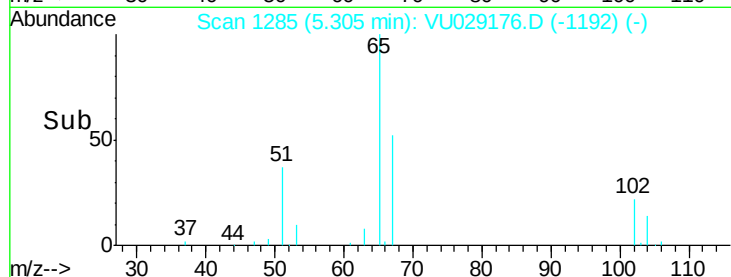
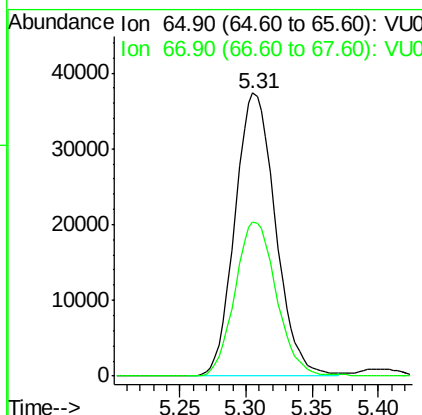
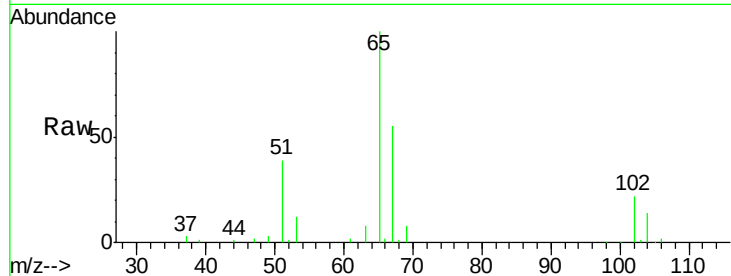
#33
 1,2-Dichloroethane-d4
 Concen: 53.595 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	111.0

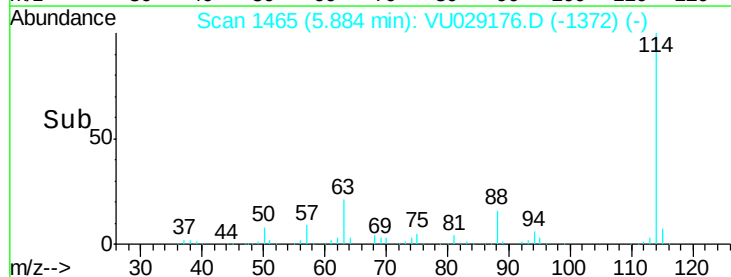
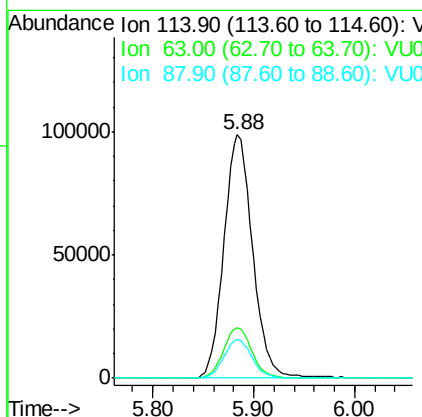
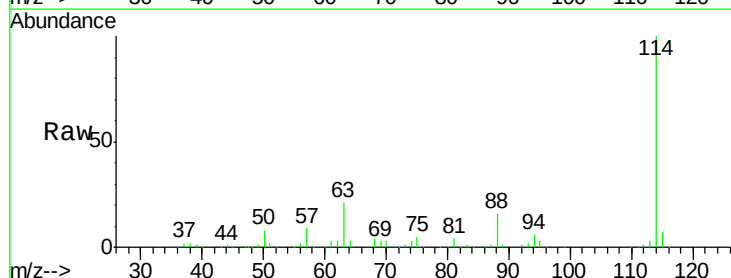
Manual Integrations
 APPROVED

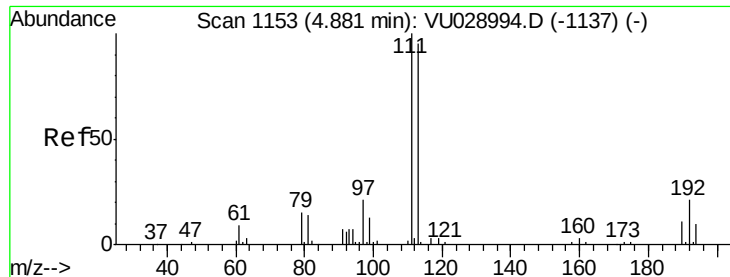
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 1/16/2019 9:41:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.2
88	16.0	0.0	30.4





#35

Dibromofluoromethane

Concen: 53.248 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

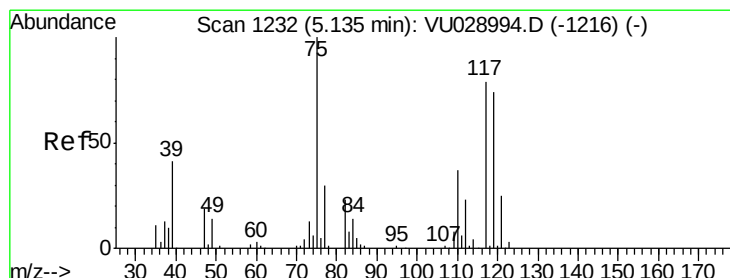
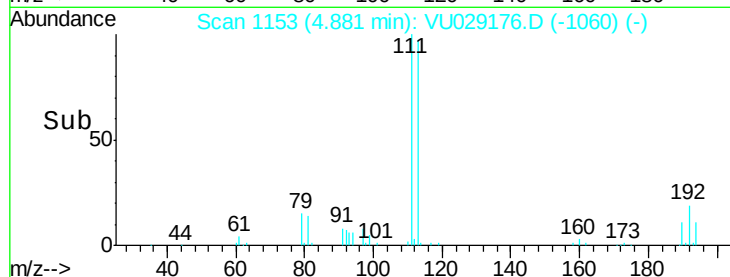
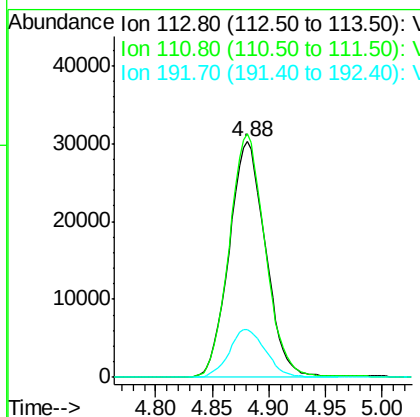
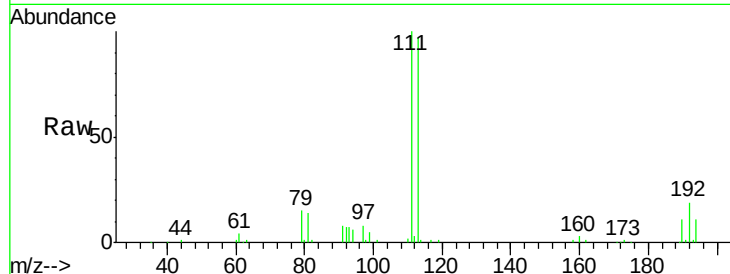
ClientSampleId :

VU0115MBS01

Tot Ion:	113	Resp:	67827
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	20.3	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 19.077 ug/l

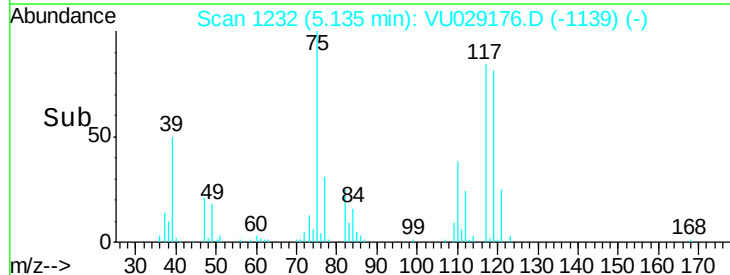
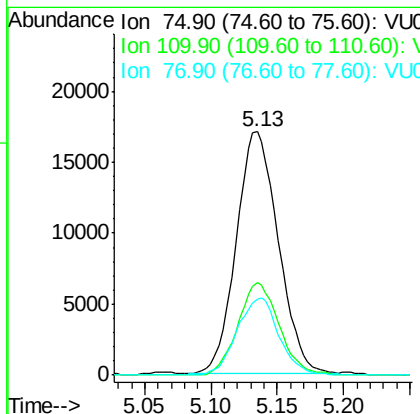
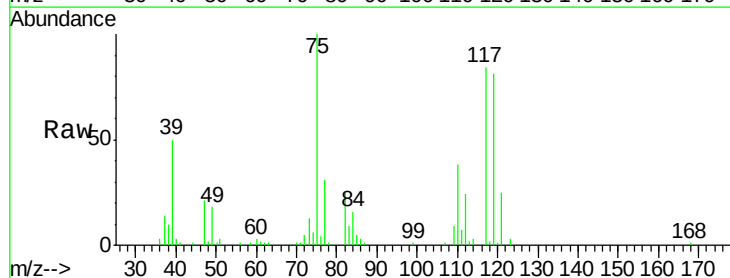
RT: 5.13 min Scan# 1232

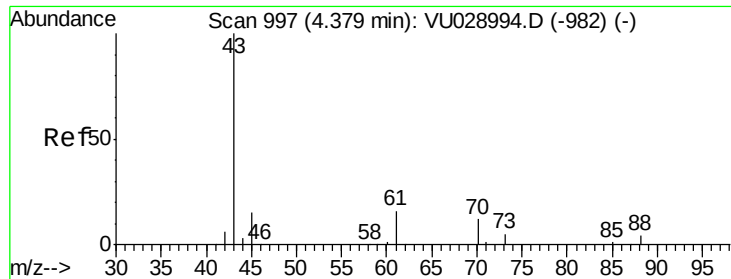
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	75	Resp:	37470
Ion	Ratio	Lower	Upper
75	100		
110	37.4	18.4	55.4
77	31.8	25.1	37.7





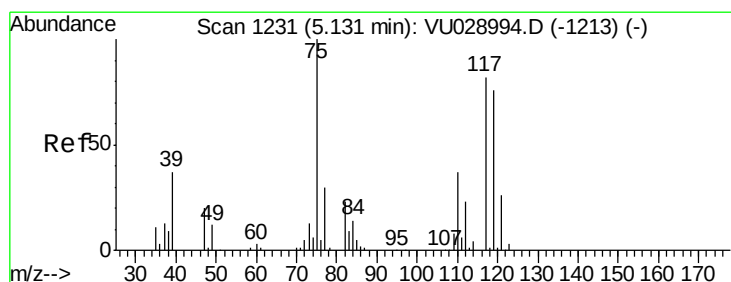
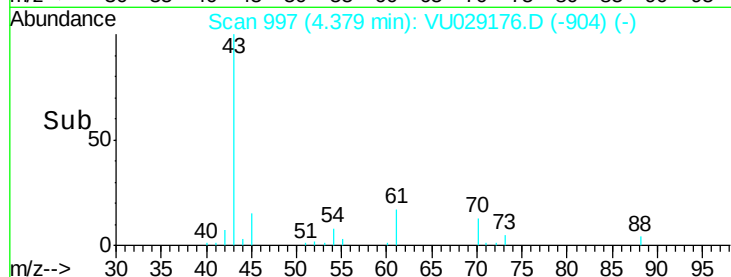
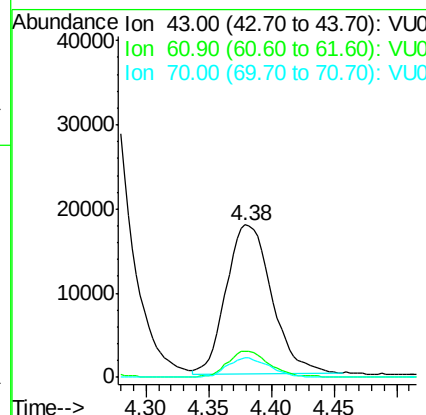
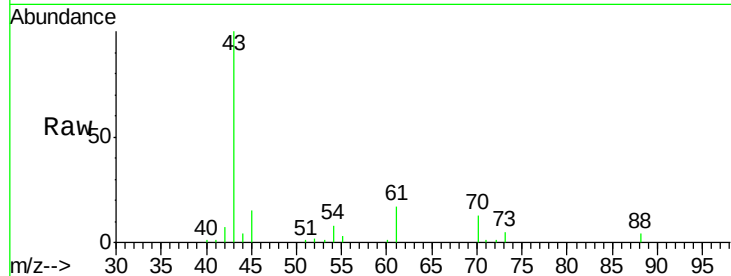
#37
Ethyl Acetate
Concen: 20.684 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.6	18.8
70	12.0	9.3	13.9

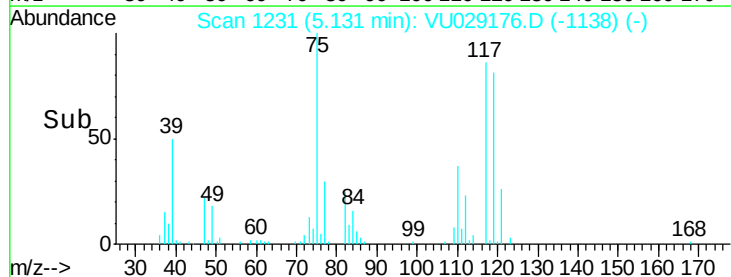
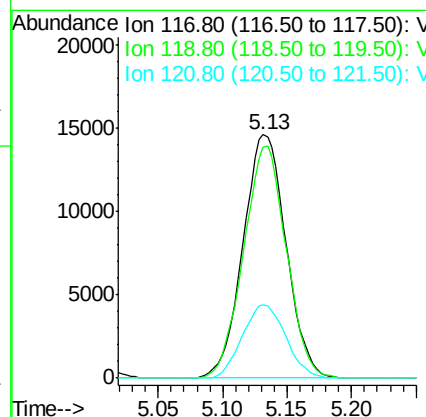
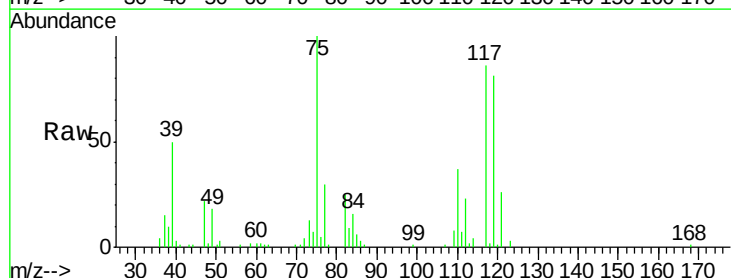
Manual Integrations
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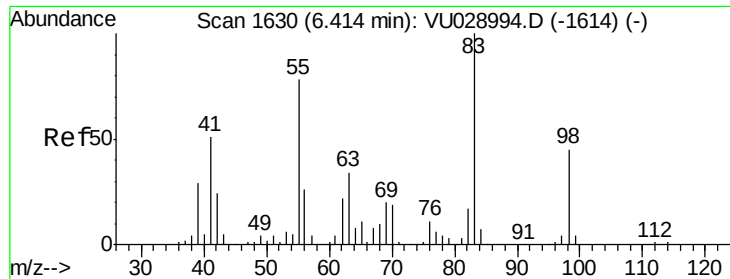
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#38
Carbon Tetrachloride
Concen: 20.732 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	74.6	111.8
121	30.2	25.0	37.6





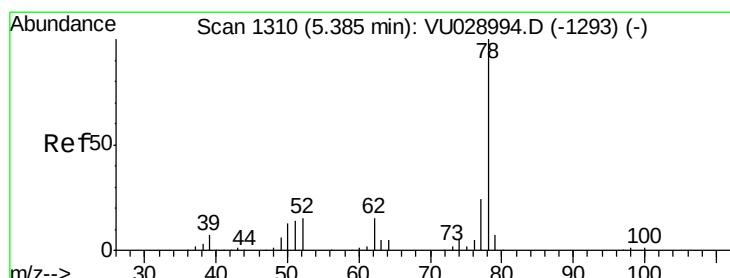
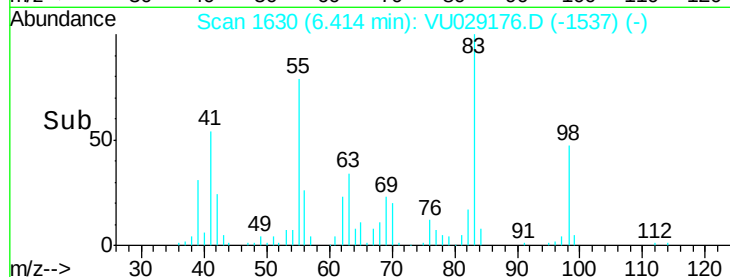
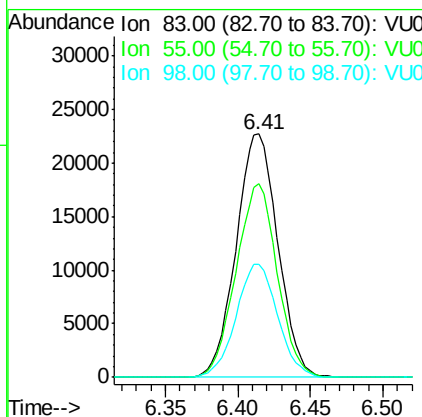
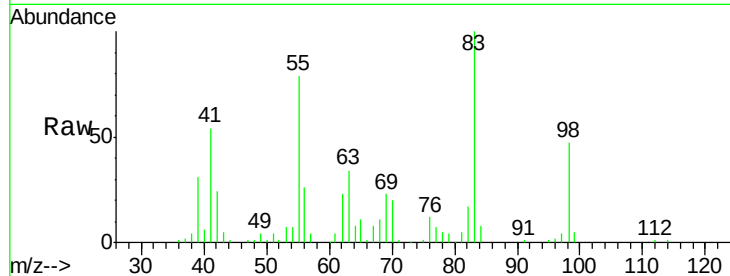
#39
Methylvlcyclohexane
Concen: 18.844 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	83.00	Resp	45502
Ion	Ratio	Lower	Upper
83	100		
55	79.5	62.4	93.6
98	46.6	36.2	54.2

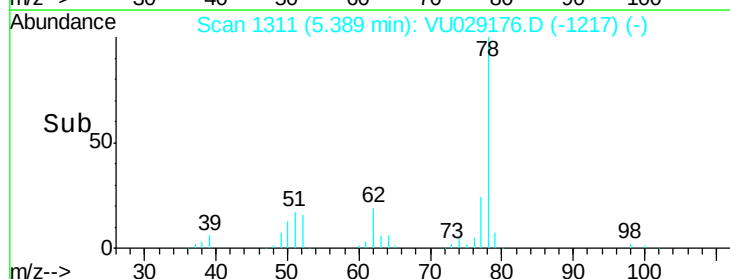
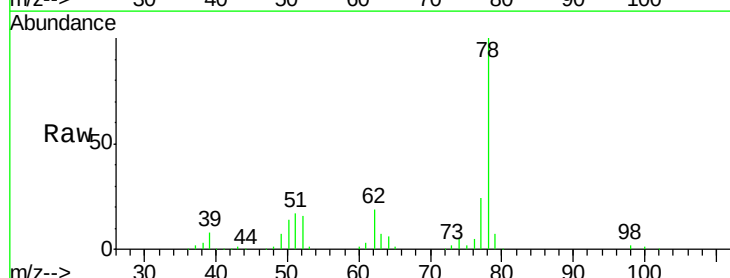
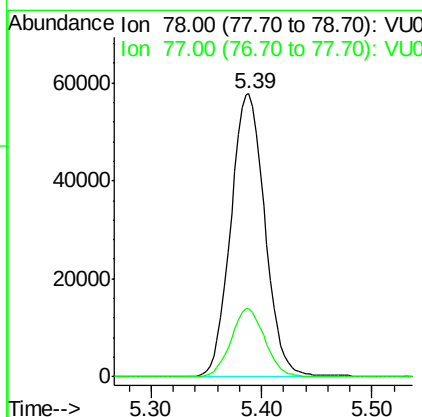
Manual Integrations
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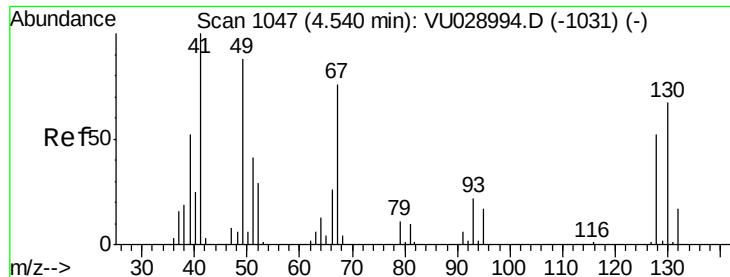
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#40
Benzene
Concen: 20.216 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	78.00	Resp	123859
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3





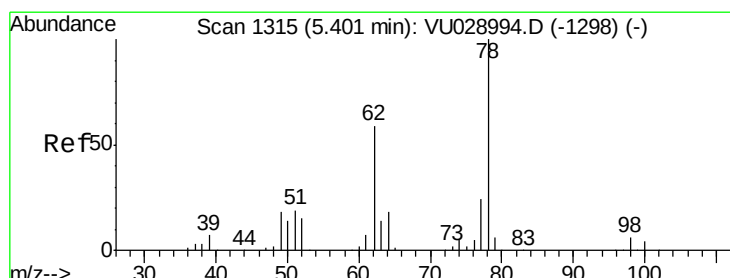
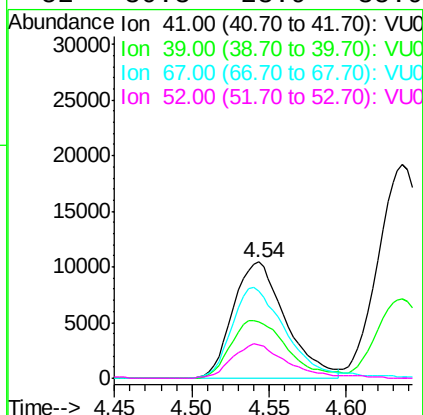
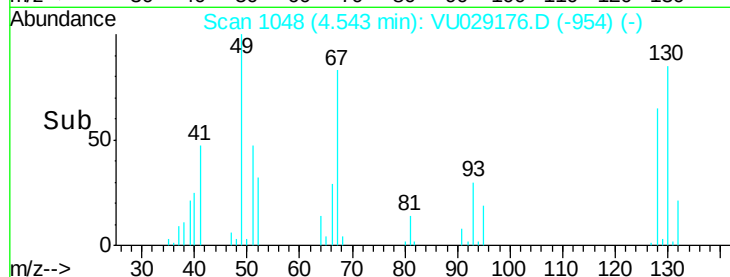
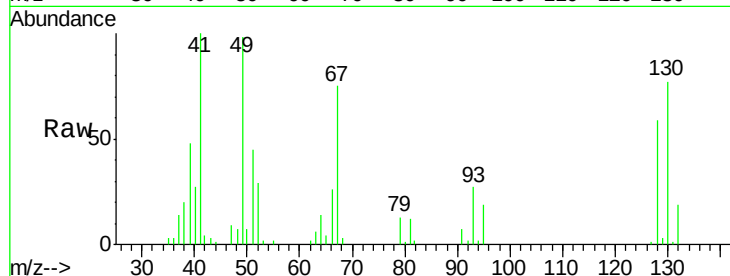
#41
Methacrylonitrile
Concen: 21.419 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ion	Ratio	Lower	Upper
24719	41	100		
	39	53.3	42.3	63.5
	67	81.6	64.4	96.6
	52	30.3	23.9	35.9

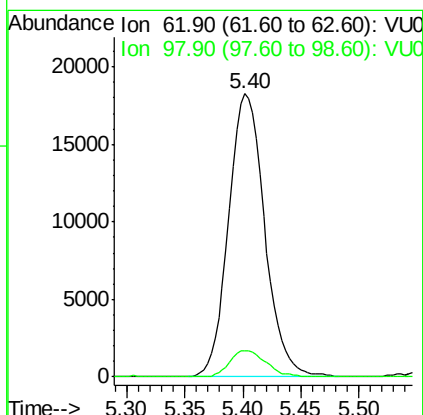
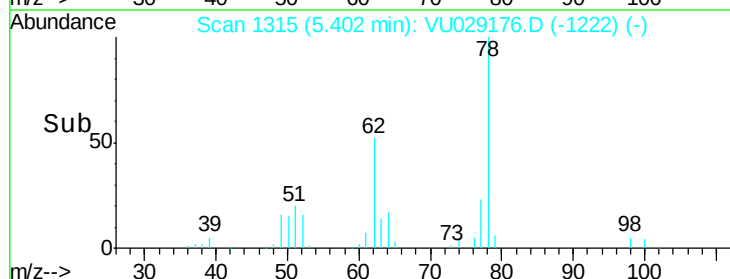
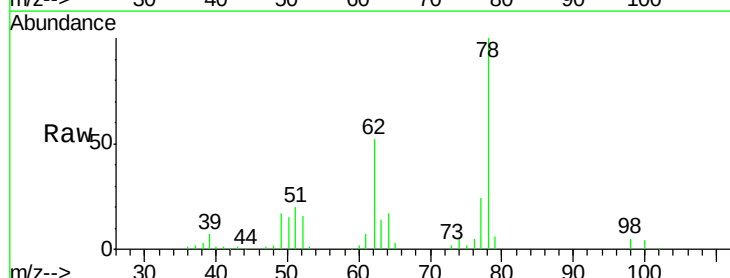
Manual Integrations
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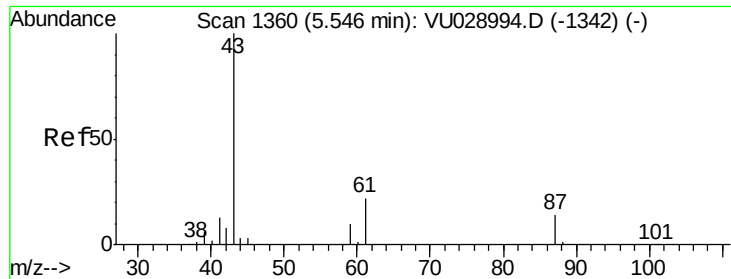
MMDadoda
1/16/2019 9:41:59 AM



#42
1,2-Dichloroethane
Concen: 21.424 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
39442	62	100		
	98	9.3	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.631 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

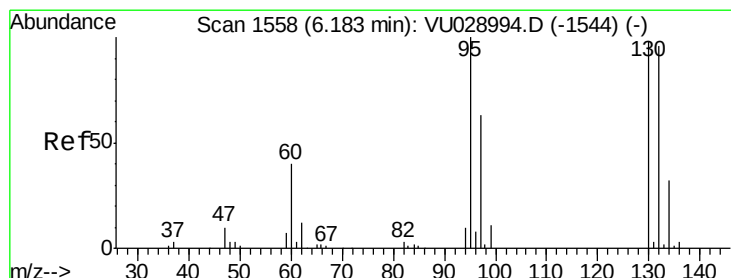
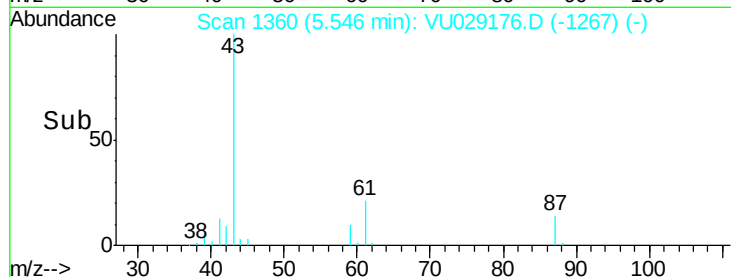
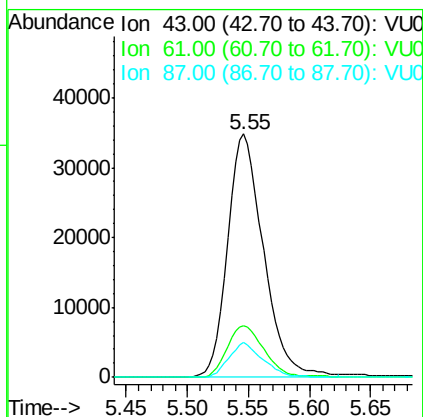
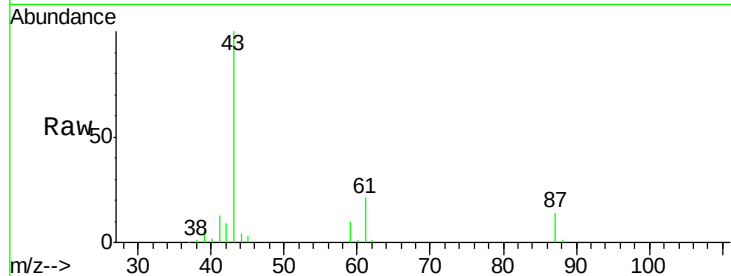
ClientSampleId :

VU0115MBS01

Tot Ion:	43	Resp:	71540
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	13.7	11.3	16.9

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#44

Trichloroethene

Concen: 19.602 ug/l

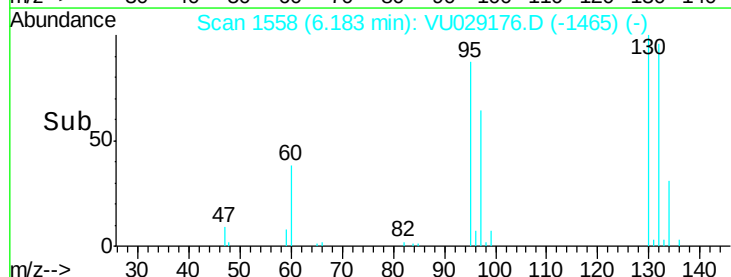
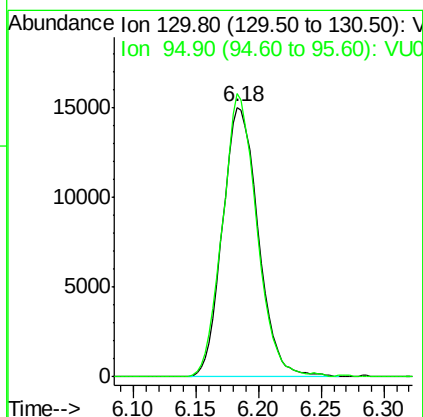
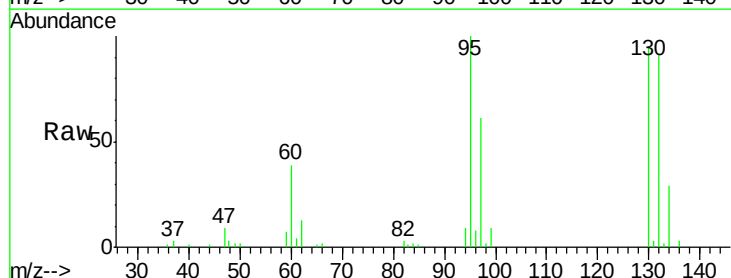
RT: 6.18 min Scan# 1558

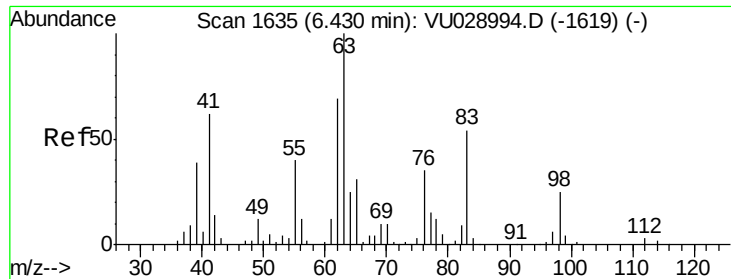
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	130	Resp:	29757
Ion	Ratio	Lower	Upper
130	100		
95	105.0	0.0	205.0





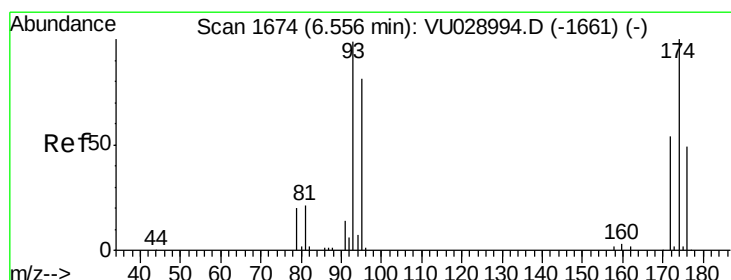
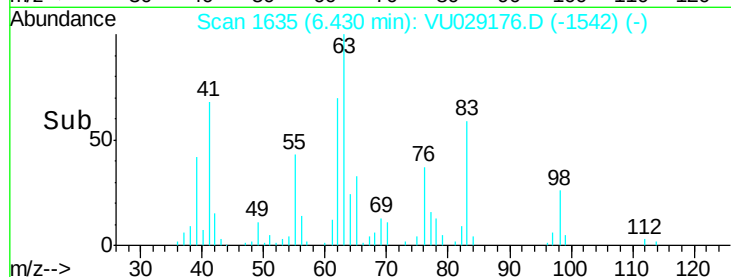
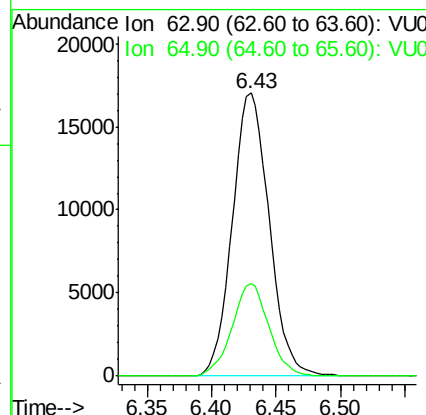
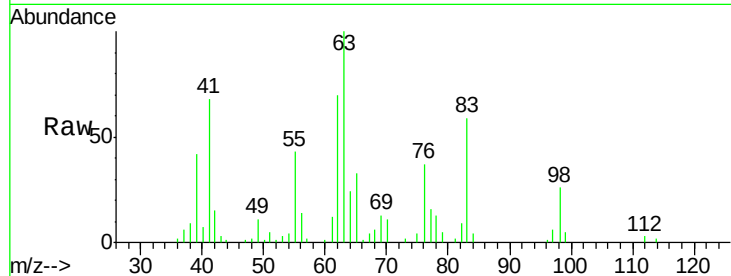
#45
 1,2-Dichloropropane
 Concen: 20.873 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion: 63 Resp: 33771
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.1 37.7

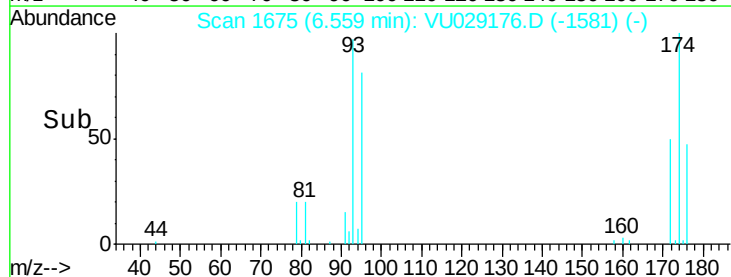
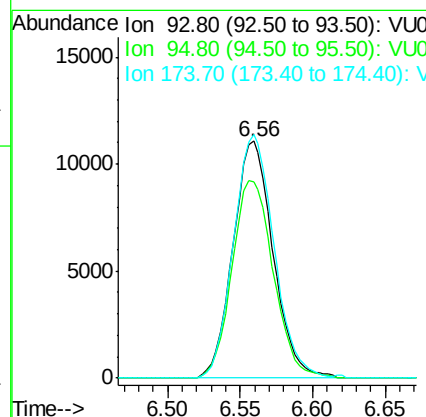
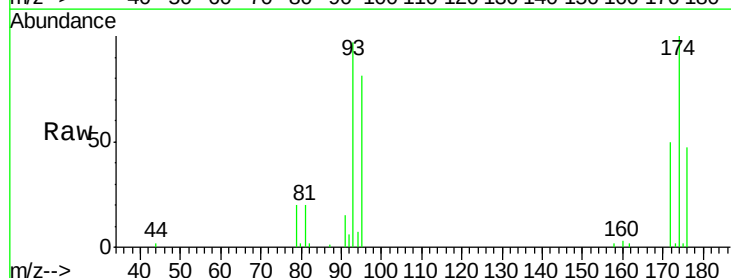
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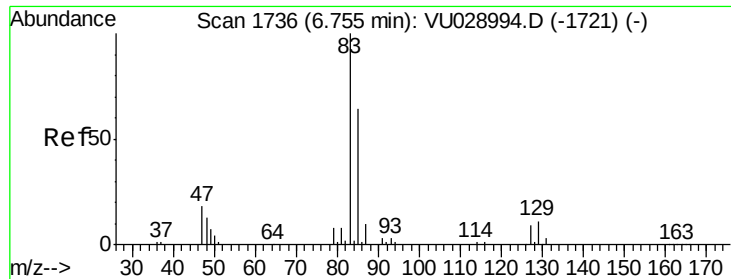
MMDadoda
 1/16/2019 9:41:59 AM



#46
 Dibromomethane
 Concen: 20.584 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion: 93 Resp: 21290
 Ion Ratio Lower Upper
 93 100
 95 85.8 67.2 100.8
 174 103.9 82.6 123.8





#47

Bromodichloromethane

Concen: 21.249 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

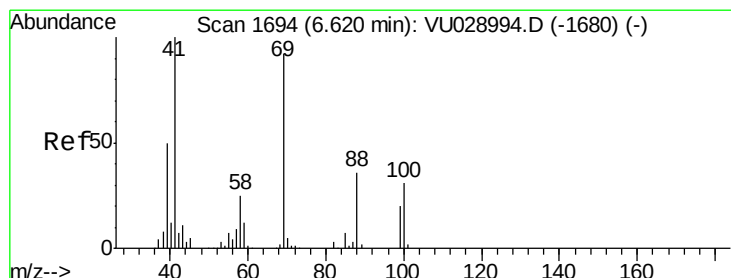
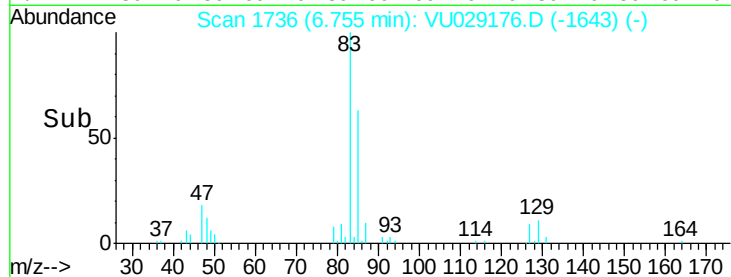
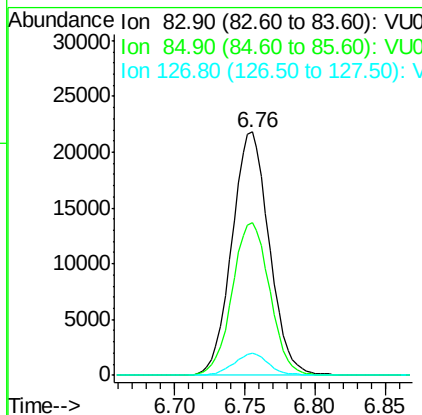
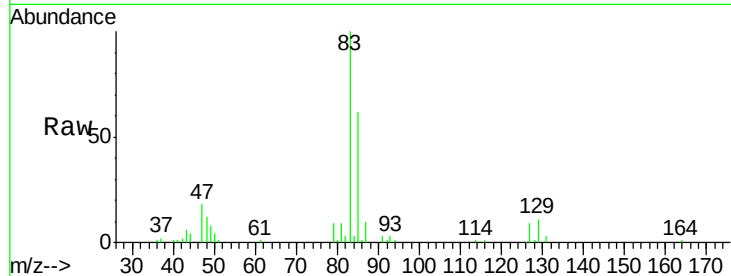
ClientSampleId :

VU0115MBS01

Tot Ion:	83	Resp:	40464
Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2
127	9.1	7.0	10.4

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1/16/2019 9:41:59 AM



#48

Methyl methacrylate

Concen: 21.654 ug/l

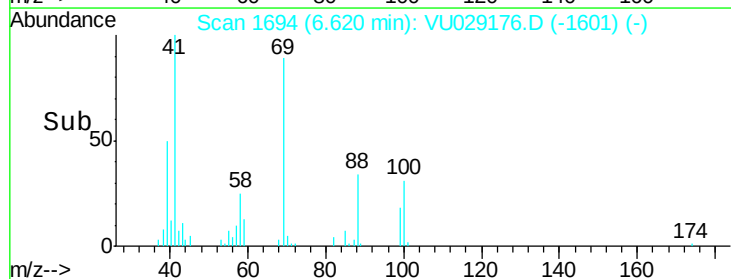
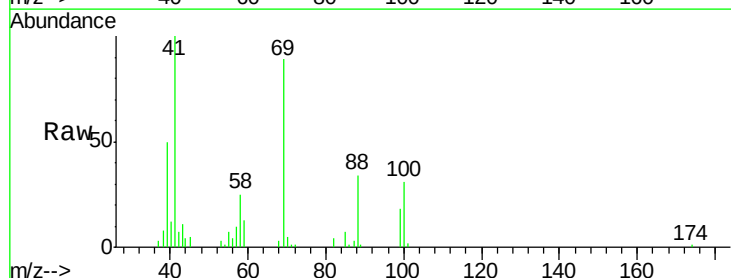
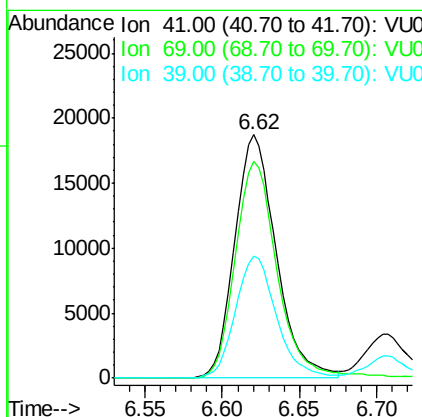
RT: 6.62 min Scan# 1694

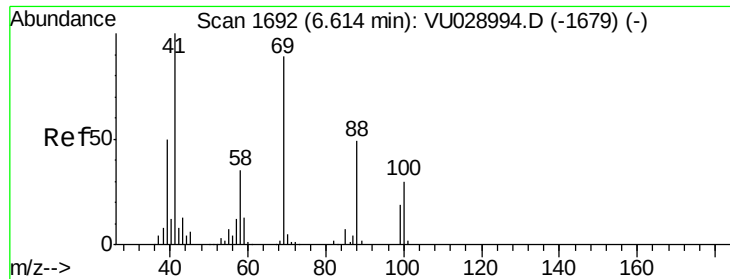
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	41	Resp:	34871
Ion	Ratio	Lower	Upper
41	100		
69	89.4	73.6	110.4
39	49.5	39.6	59.4





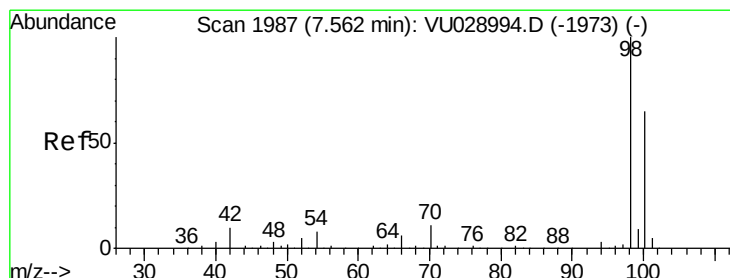
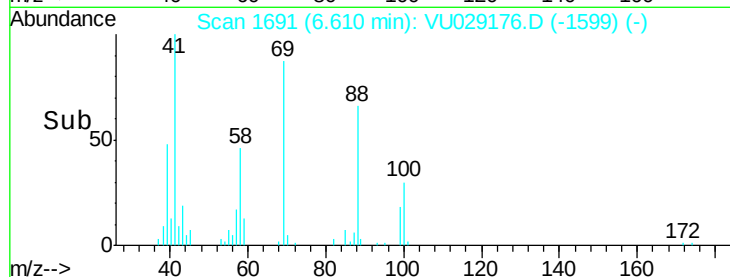
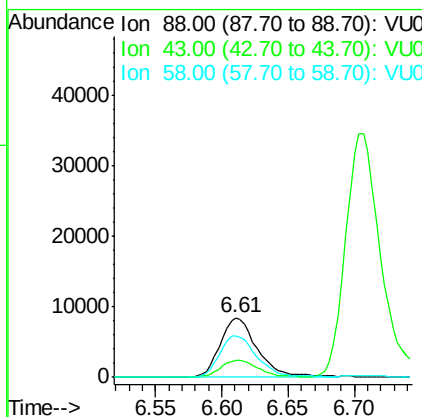
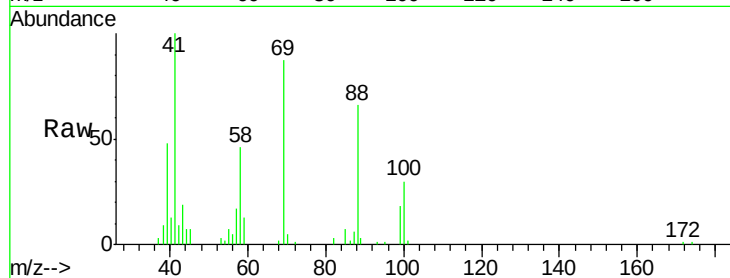
#49
1,4-Dioxane
Concen: 432.295 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	23.0	34.4
58	70.3	57.9	86.9

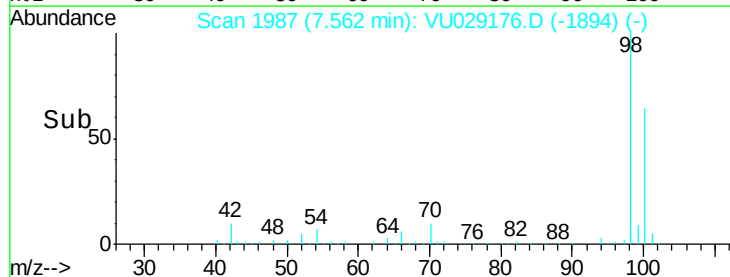
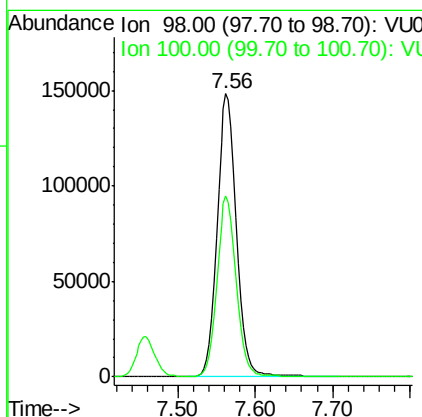
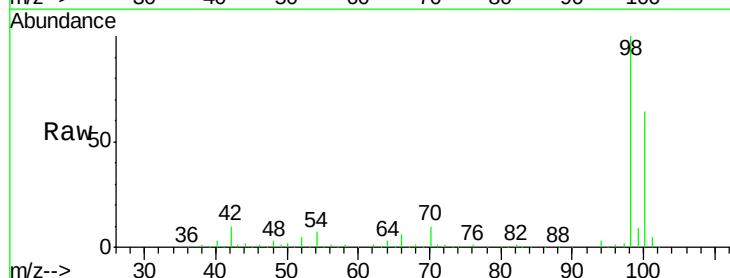
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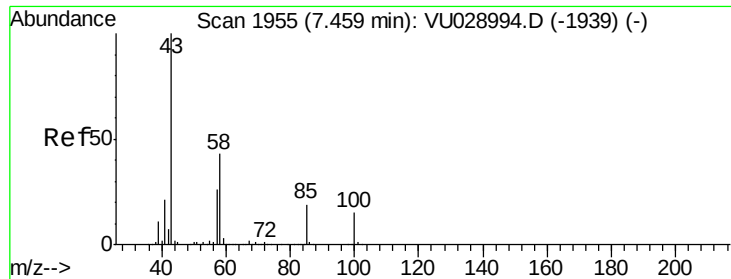
MMDadoda
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#50
Toluene-d8
Concen: 51.992 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.6	77.4





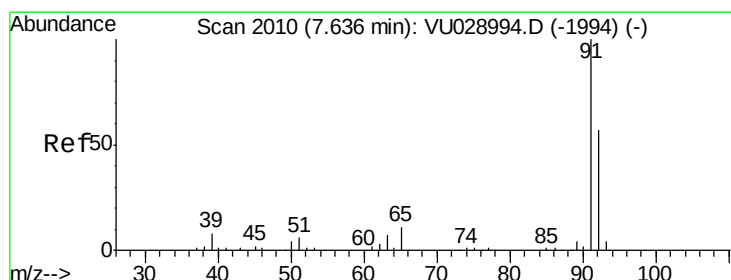
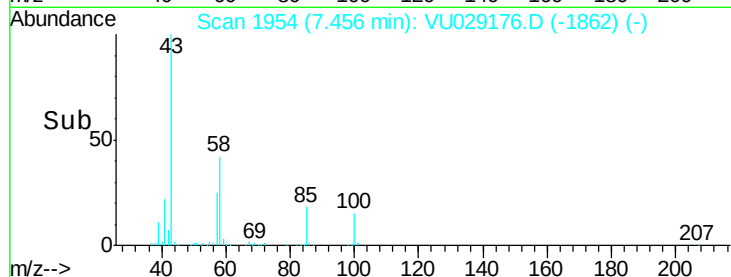
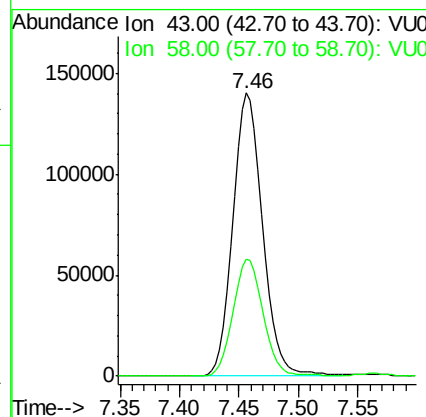
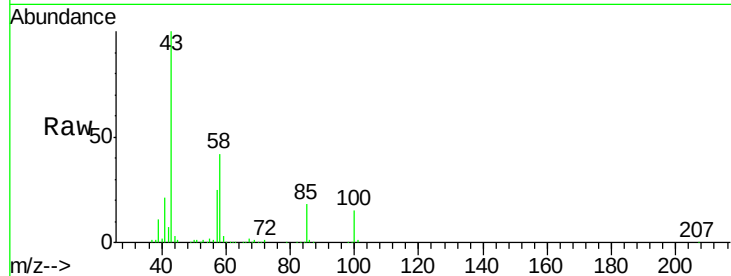
#51
4-Methyl-2-Pentanone
Concen: 107.878 ug/l
RT: 7.46 min Scan# 1954
Delta R.T. -0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 43 Resp: 242809
Ion Ratio Lower Upper
43 100
58 41.8 33.9 50.9

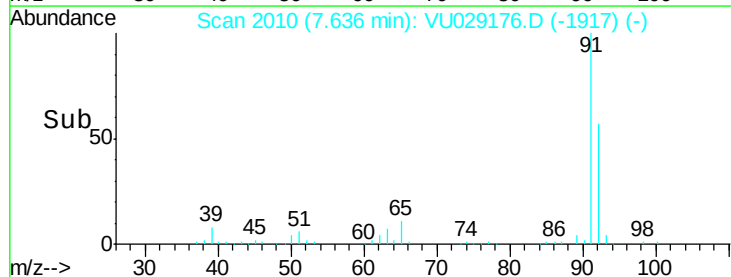
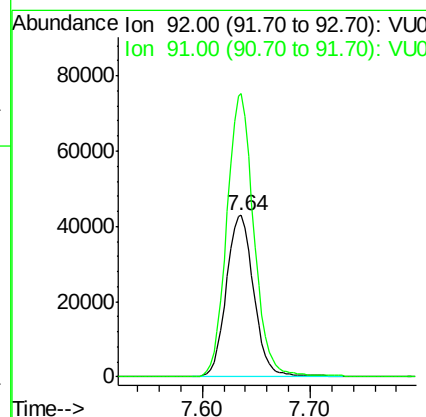
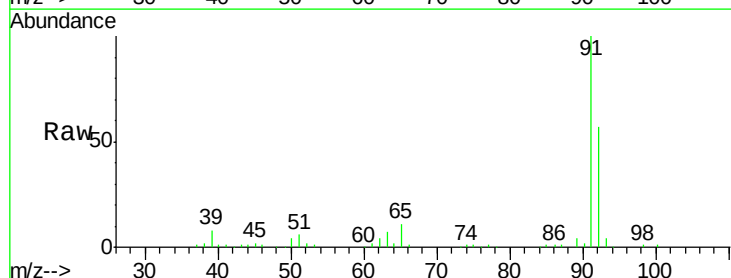
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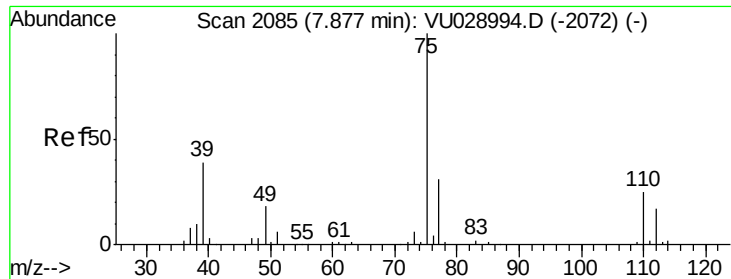
MMDadoda
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#52
Toluene
Concen: 20.541 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 92 Resp: 76614
Ion Ratio Lower Upper
92 100
91 171.8 139.8 209.8





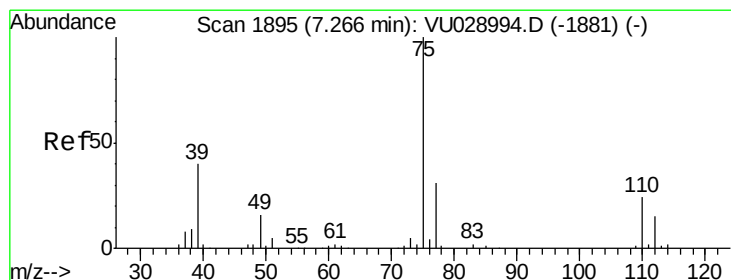
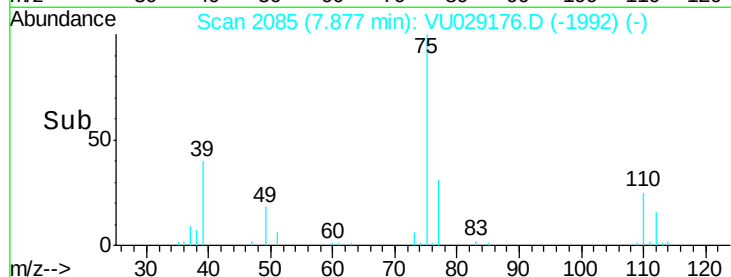
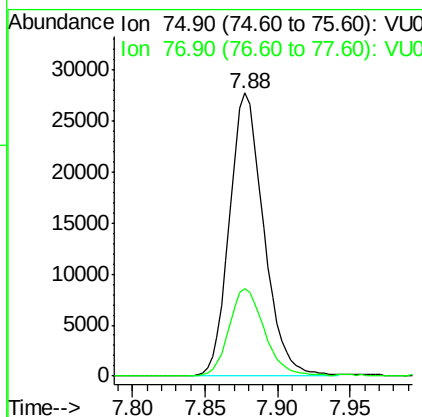
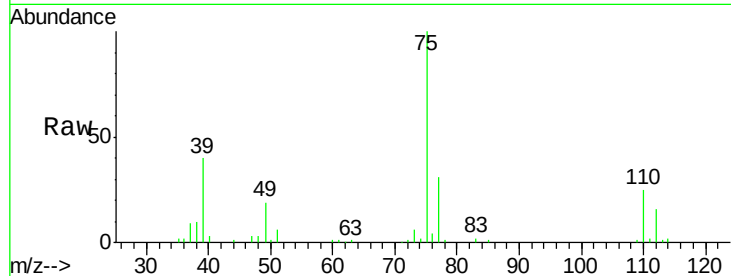
#53
t-1,3-Dichloropropene
Concen: 19.964 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion: 75 Resp: 45669
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.4

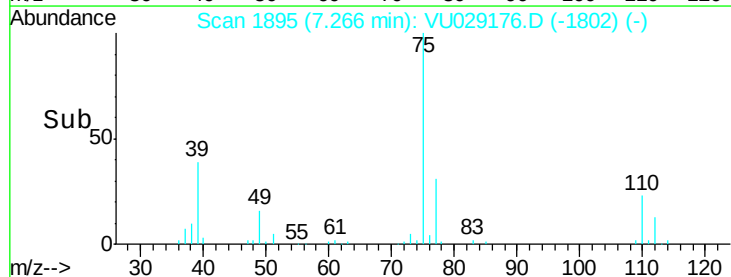
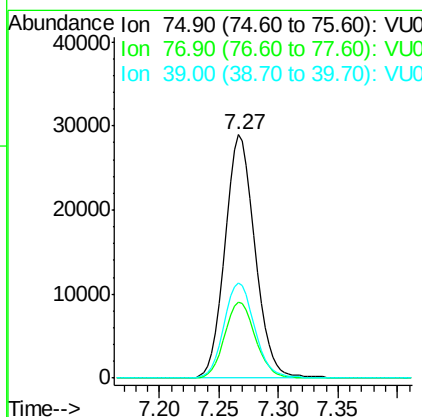
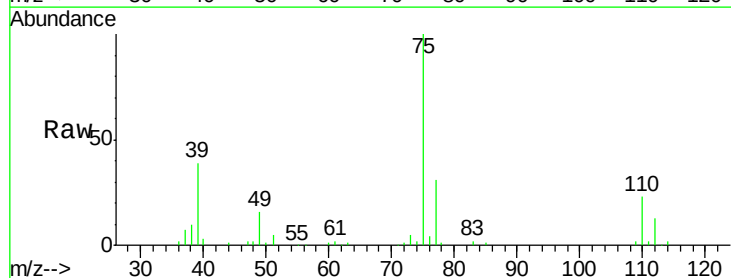
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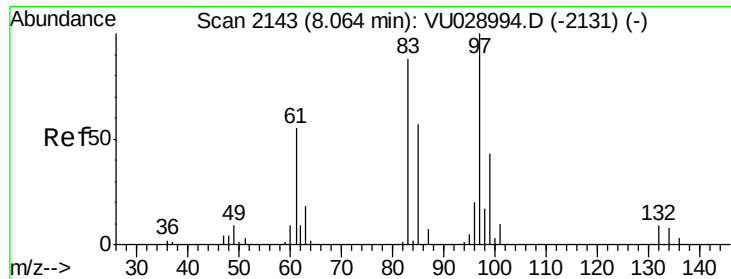
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.511 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion: 75 Resp: 50700
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.6
39 39.2 32.2 48.4





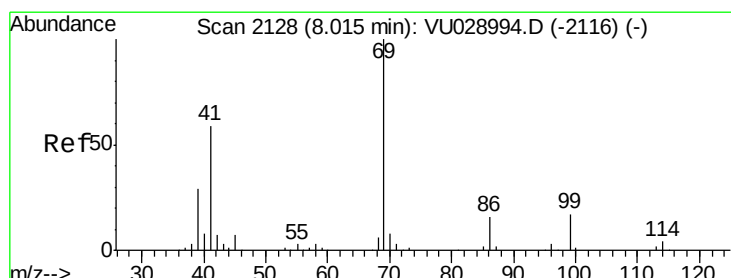
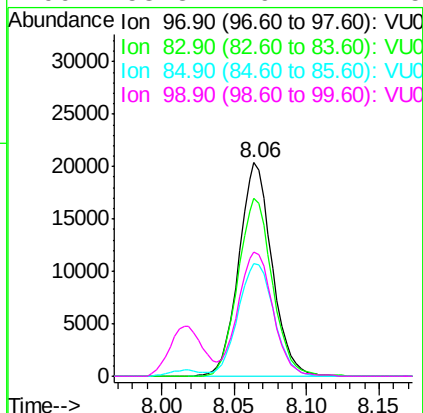
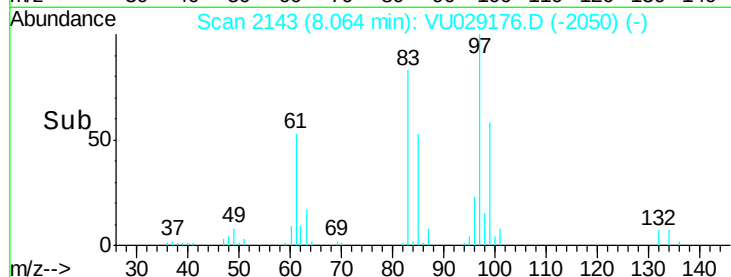
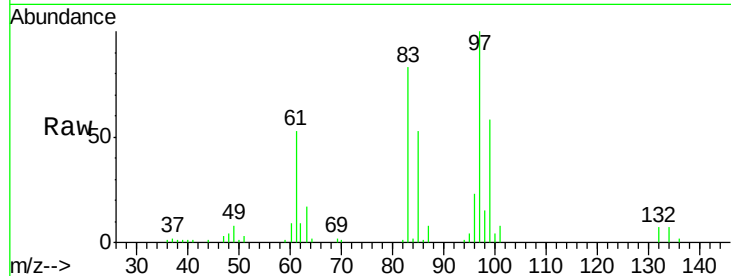
#55
 1,1,2-Trichloroethane
 Concen: 21.723 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion:	97	Resp:	32459
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.8	104.8
85	52.5	47.3	70.9
99	58.3	49.7	74.5

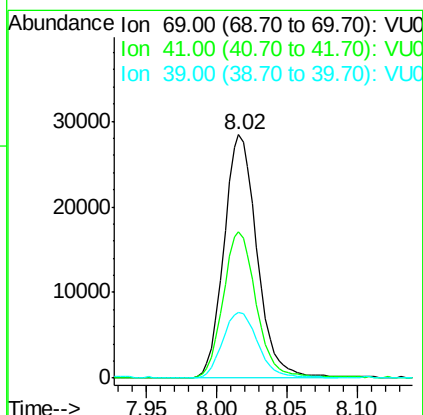
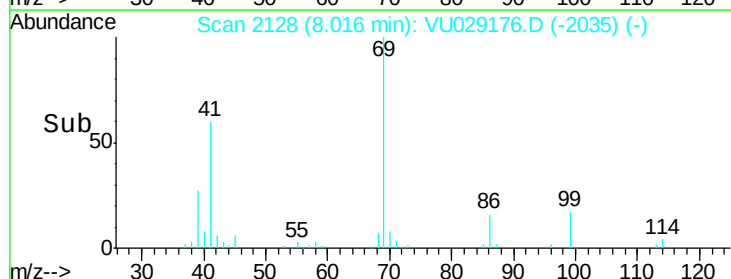
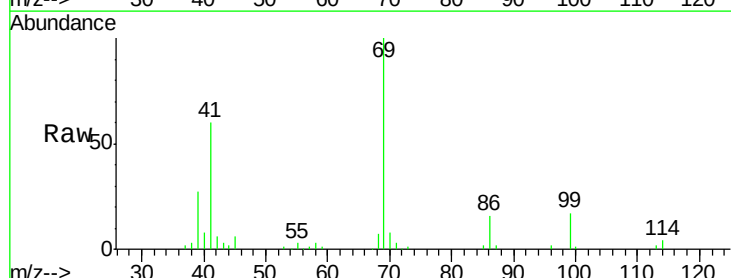
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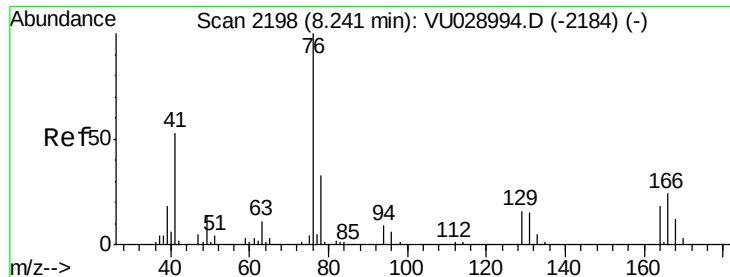
MMDadoda
 1/16/2019 9:41:59 AM



#56
 Ethyl methacrylate
 Concen: 20.271 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion:	69	Resp:	46664
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.5	71.3
39	29.0	22.5	33.7





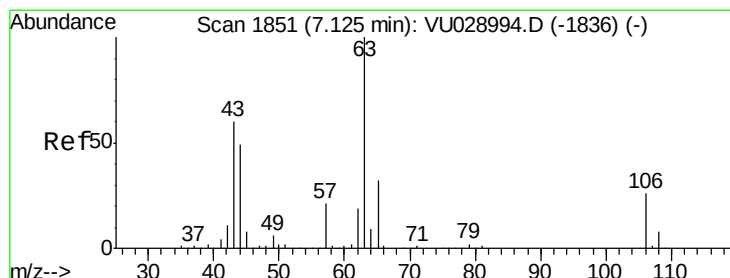
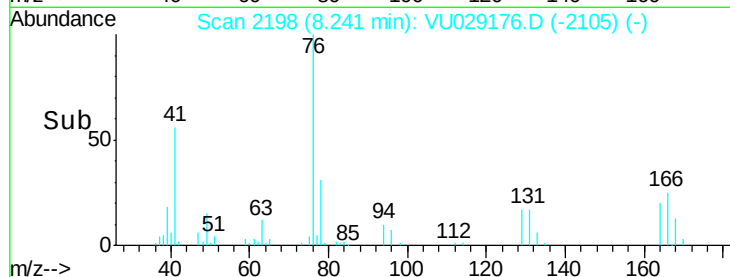
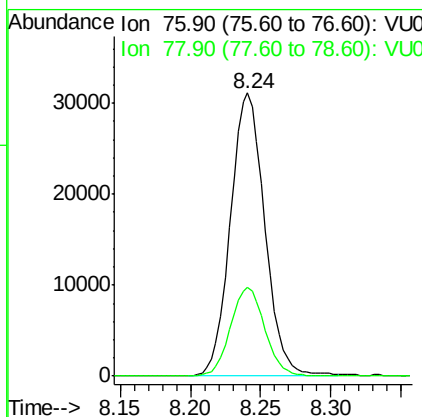
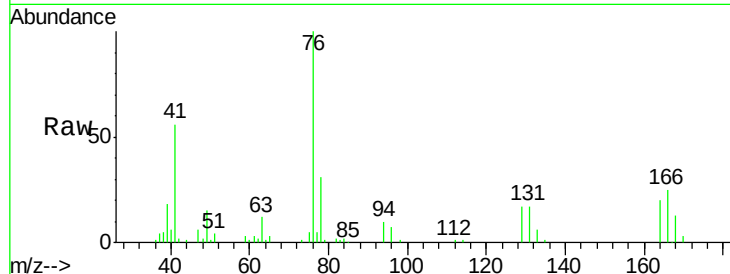
#57
 1,3-Dichloropropane
 Concen: 20.808 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.1	26.0	39.0

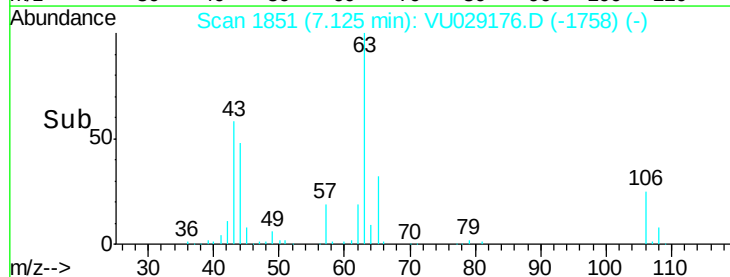
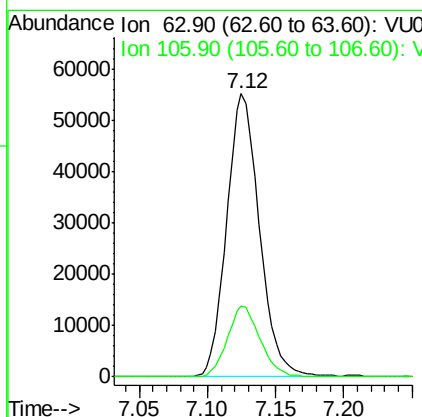
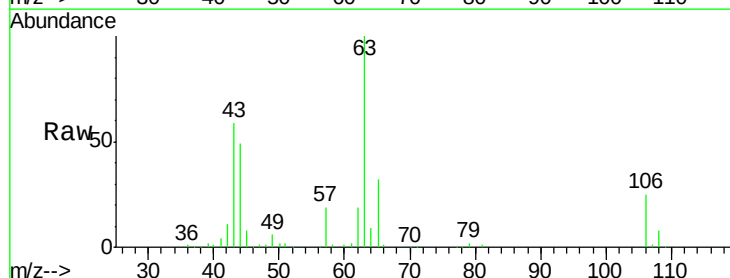
Manual Integrations
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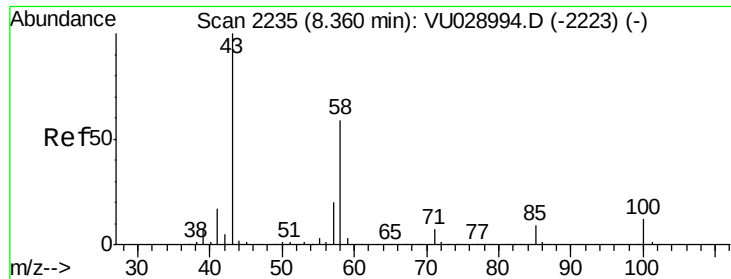
MMDadoda
 1/16/2019 9:41:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.974 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.6	31.0





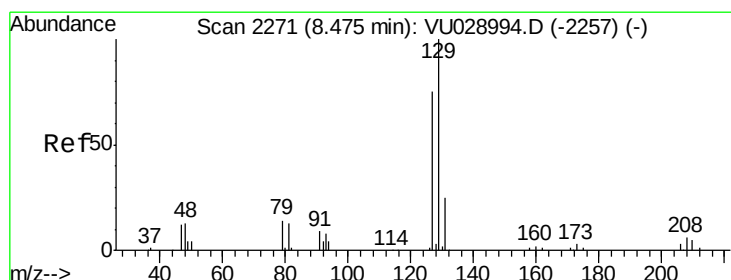
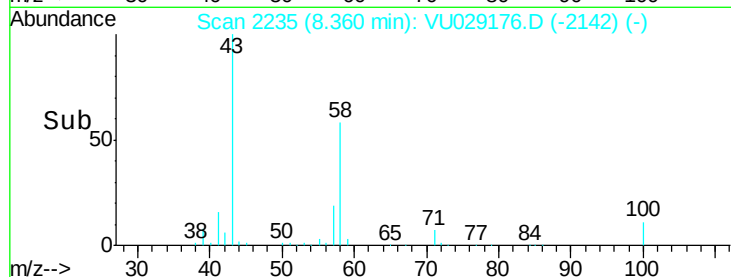
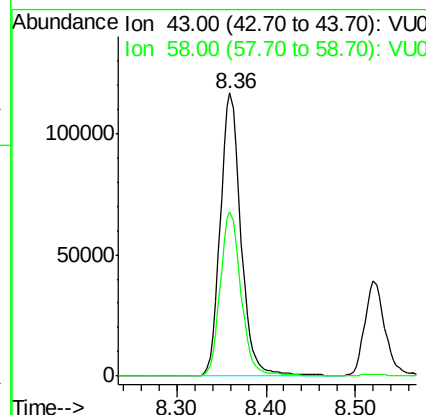
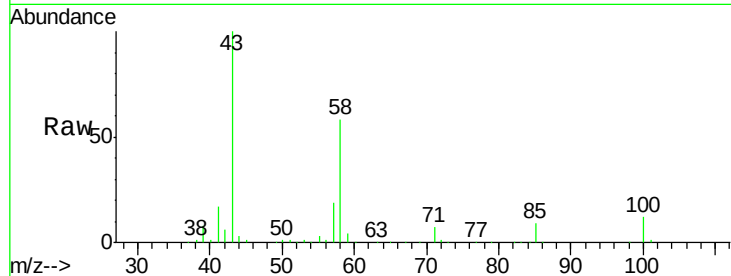
#59
2-Hexanone
Concen: 106.514 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.6	29.8	89.4

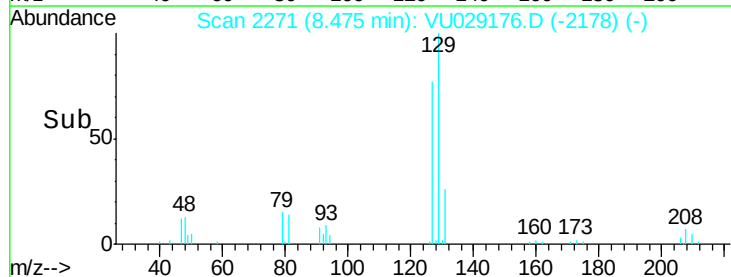
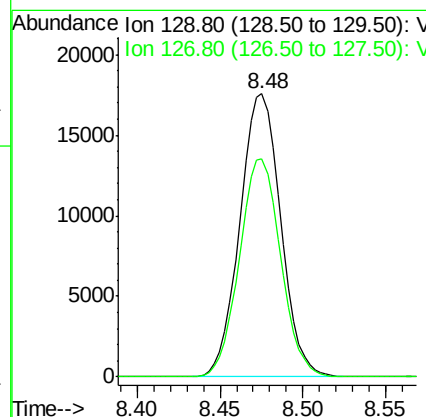
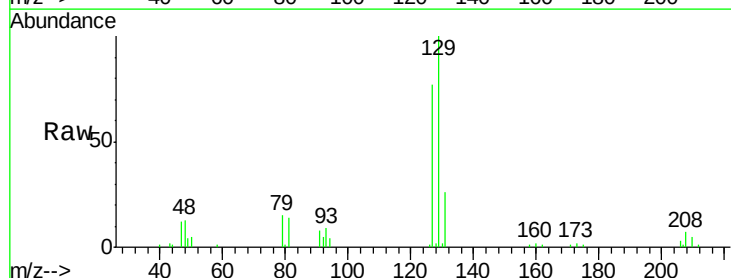
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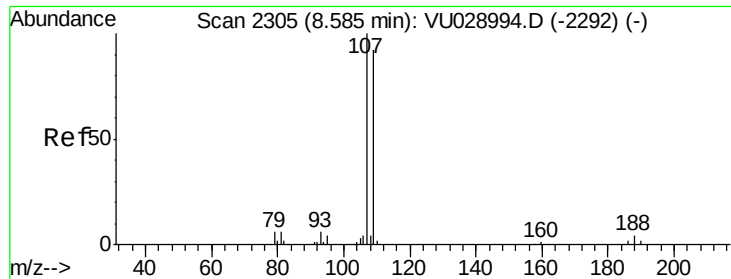
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#60
Dibromochloromethane
Concen: 20.383 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.0	114.0





#61

1,2-Dibromoethane

Concen: 20.212 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion:107 Resp: 32754

Ion Ratio Lower Upper

107 100

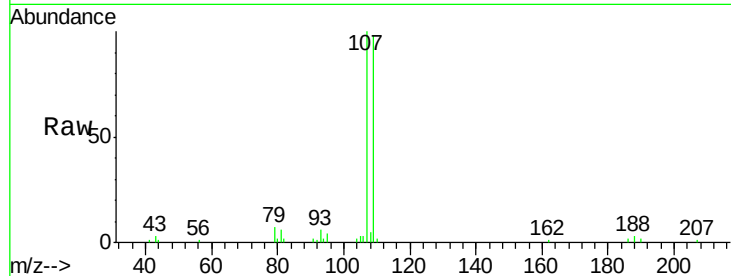
109 96.1 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.58

20000

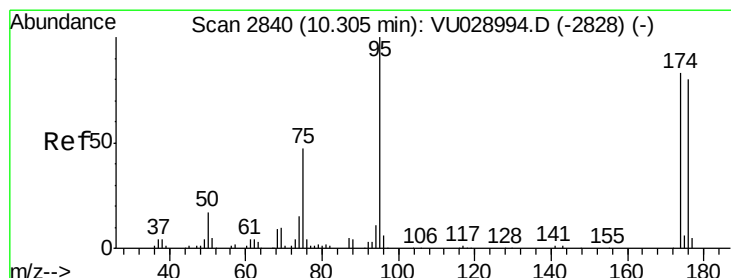
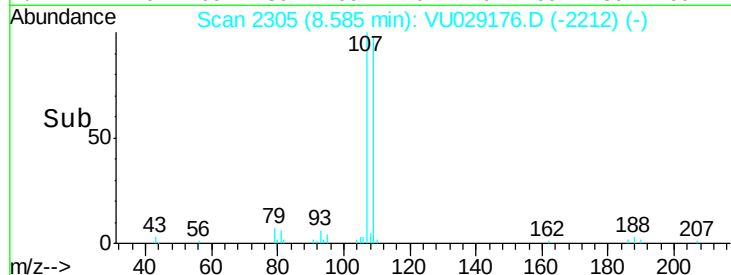
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#62

4-Bromofluorobenzene

Concen: 50.106 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

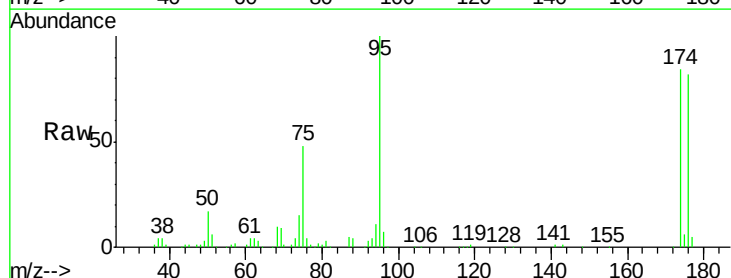
Tgt Ion: 95 Resp: 90554

Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.6

176 81.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.30

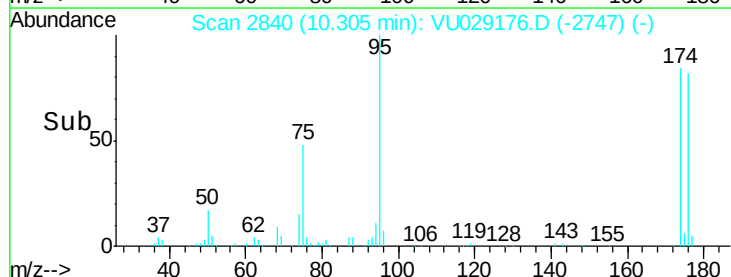
60000

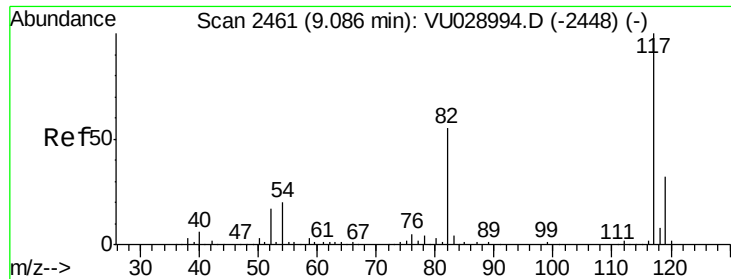
40000

20000

0

Time--> 10.25 10.30 10.35 10.40





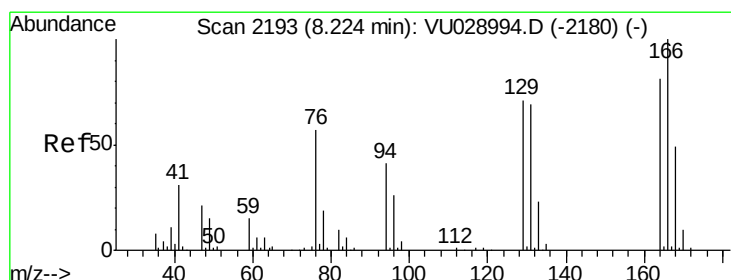
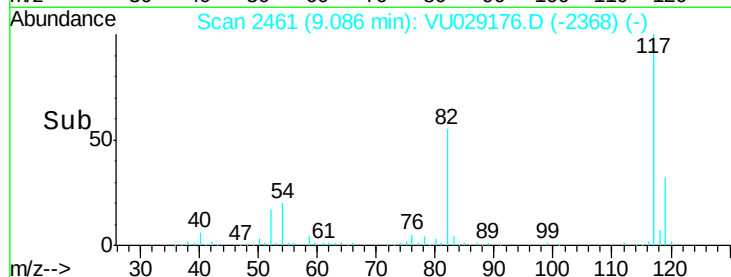
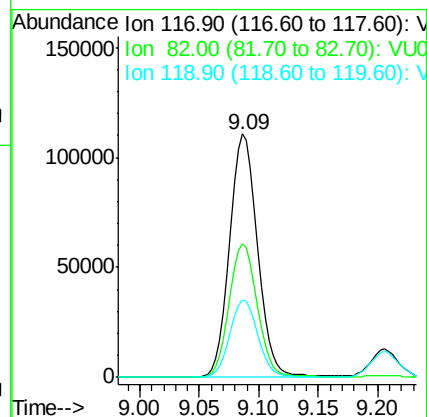
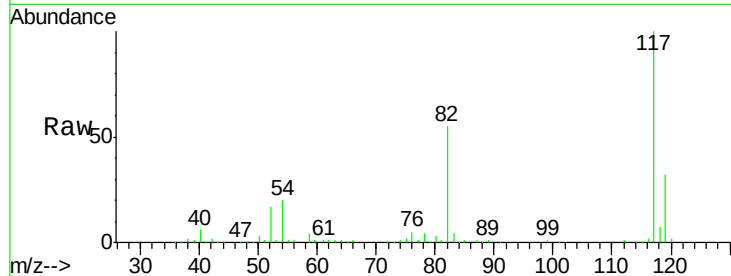
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampled :
VU0115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	181654		
82	55.1	43.9	65.9	
119	31.7	26.0	39.0	

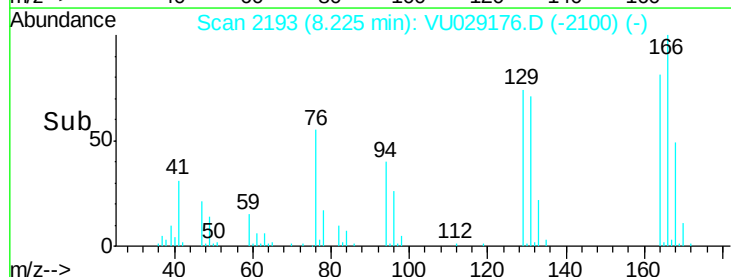
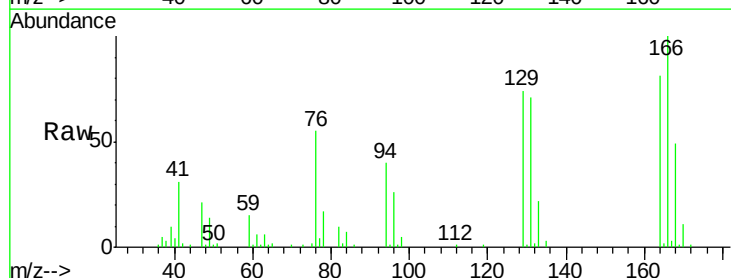
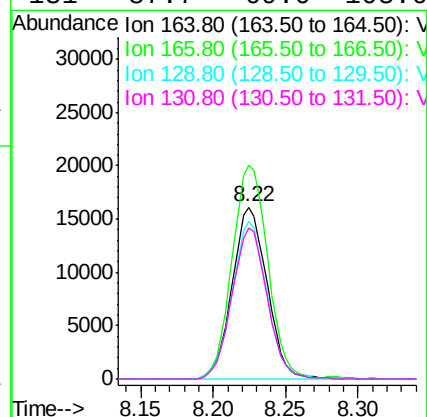
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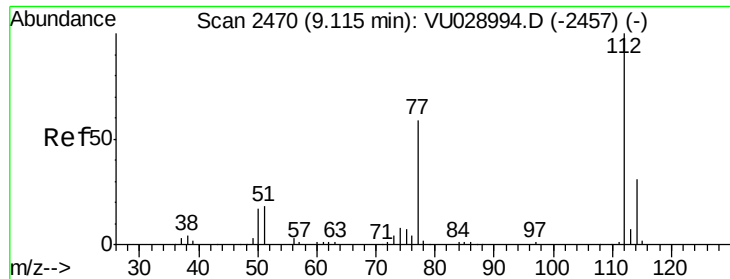
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#64
Tetrachloroethene
Concen: 20.601 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26957		
166	124.2	99.4	149.0	
129	91.3	70.5	105.7	
131	87.7	69.0	103.6	





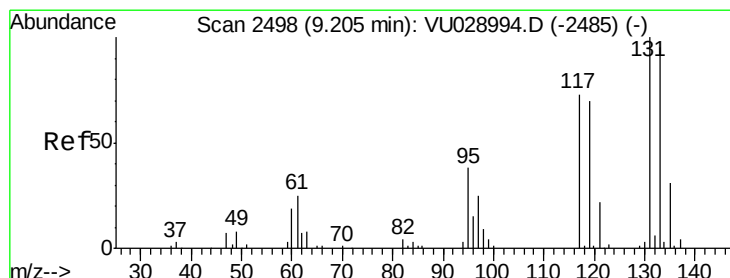
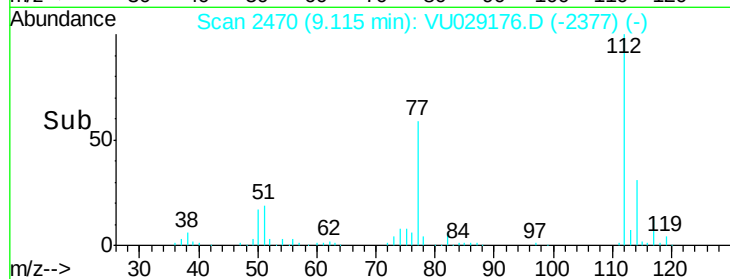
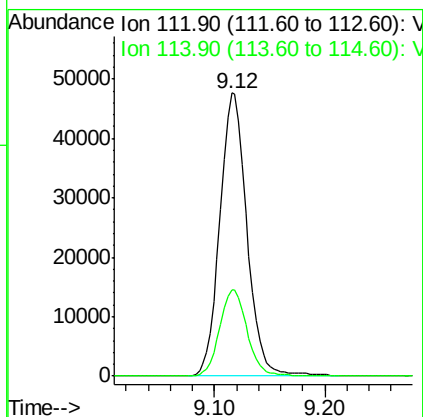
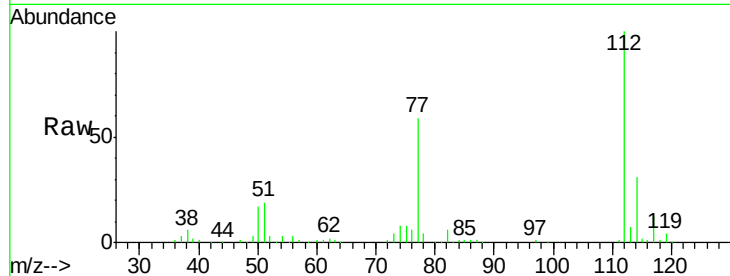
#65
Chlorobenzene
Concen: 19.961 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion:112 Resp: 81279
Ion Ratio Lower Upper
112 100
114 30.5 25.0 37.6

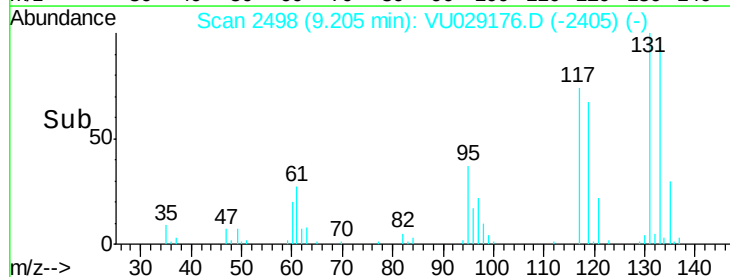
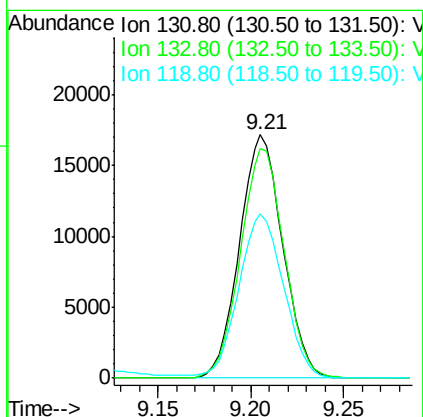
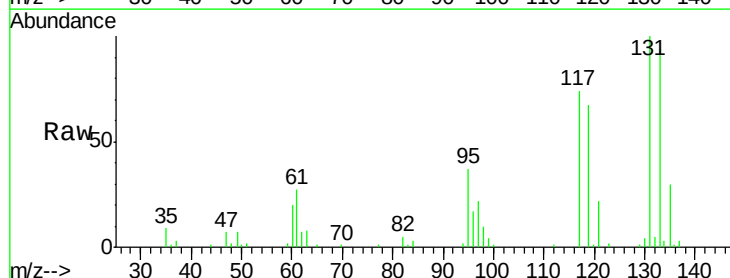
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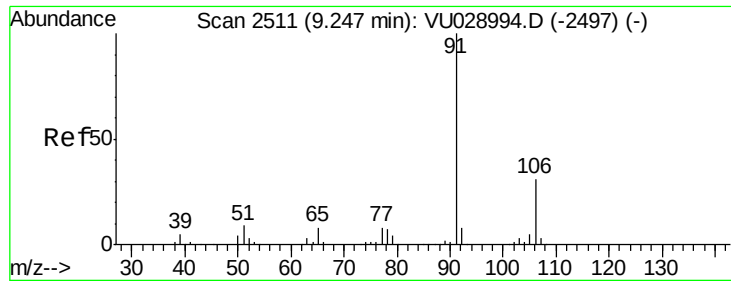
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.005 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:131 Resp: 27756
Ion Ratio Lower Upper
131 100
133 95.5 48.2 144.6
119 70.0 35.4 106.3





#67

Ethyl Benzene

Concen: 20.141 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 91 Resp: 136919

Ion Ratio Lower Upper

91 100

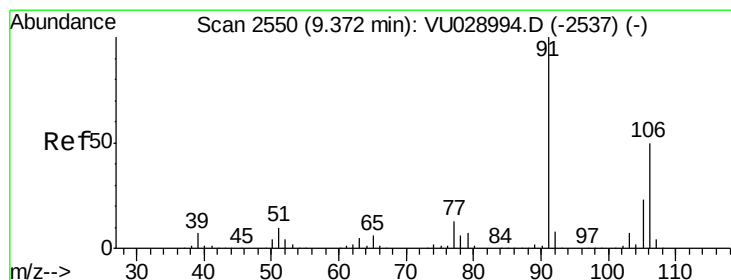
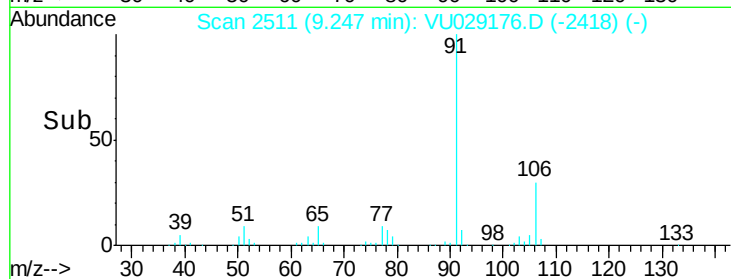
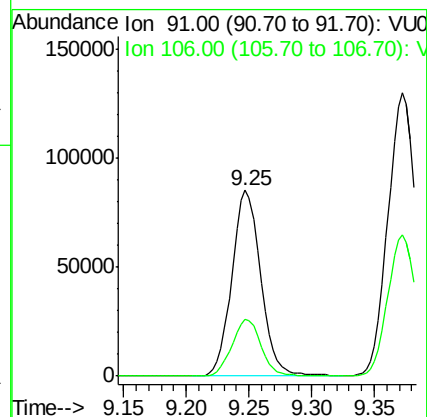
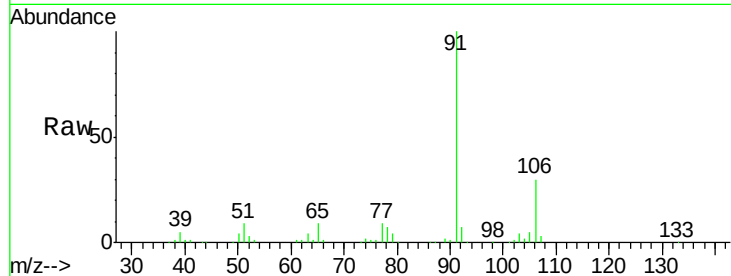
106 30.3 25.0 37.4

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#68

m/p-Xylenes

Concen: 40.282 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029176.D

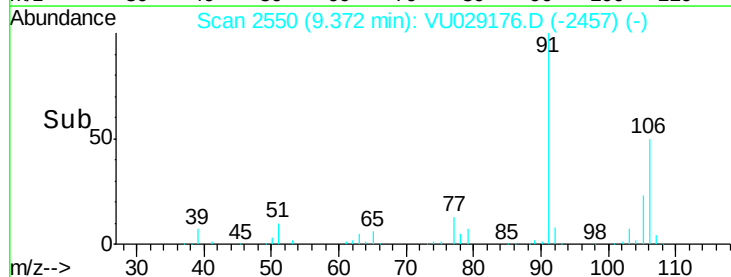
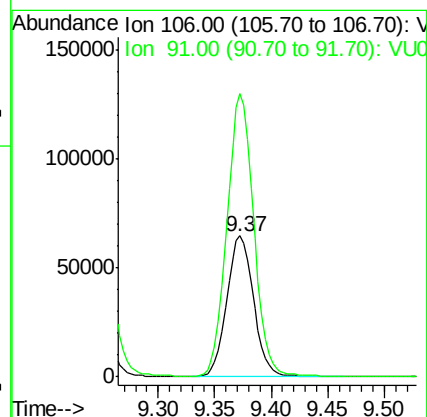
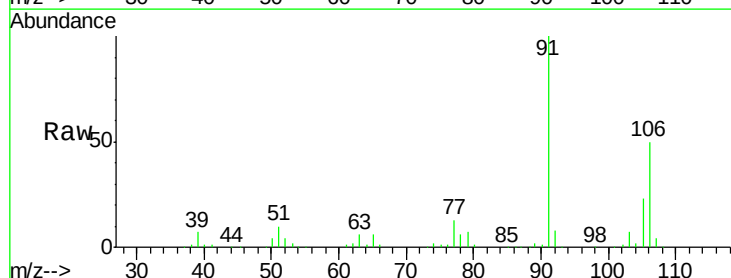
Acq: 15 Jan 2019 11:29

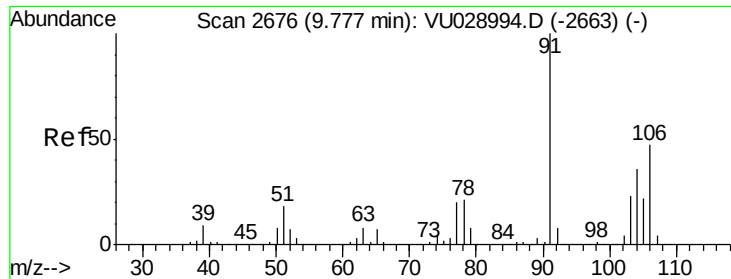
Tgt Ion: 106 Resp: 106402

Ion Ratio Lower Upper

106 100

91 199.1 161.7 242.5





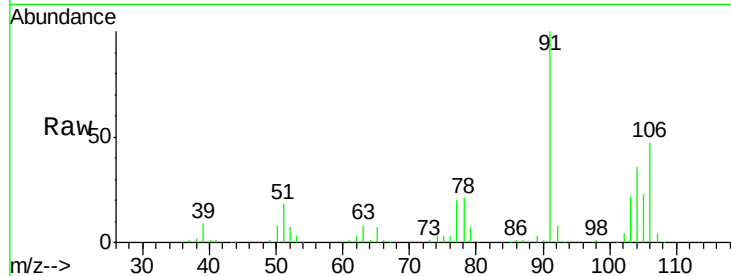
#69
o-Xylene
Concen: 20.343 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

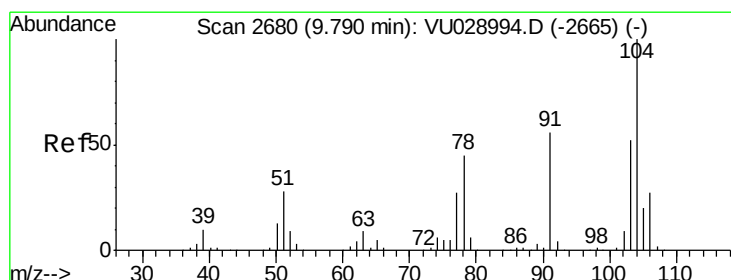
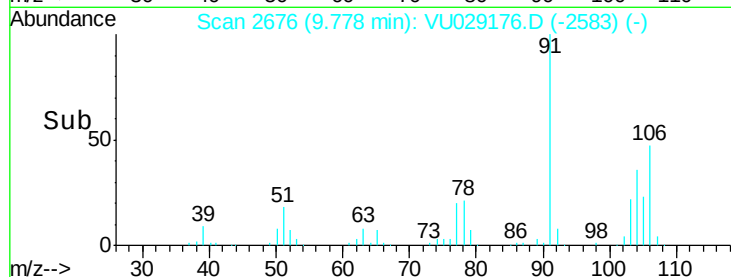
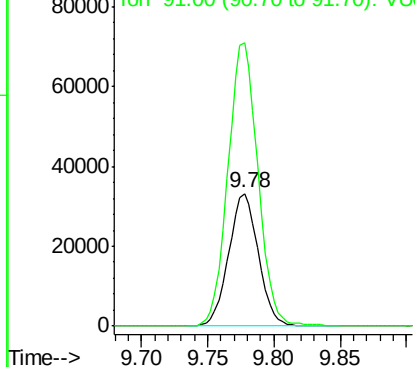
Tot Ion:106 Resp: 51774
Ion Ratio Lower Upper
106 100
91 215.9 106.1 318.3

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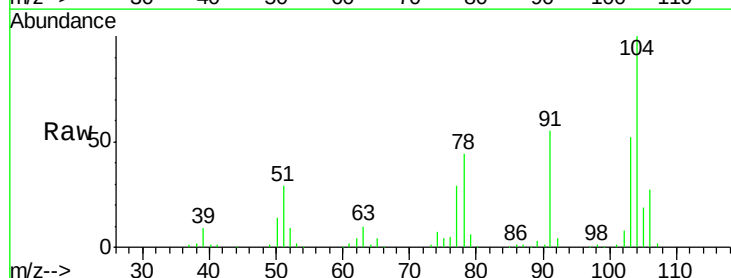


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

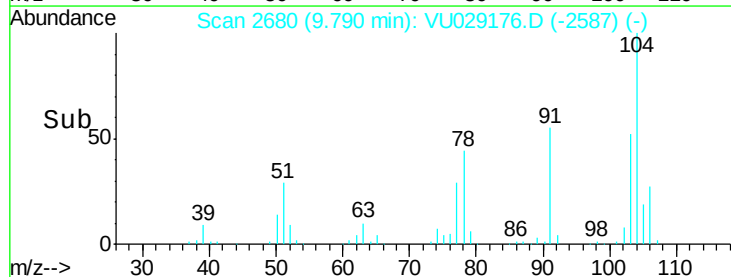
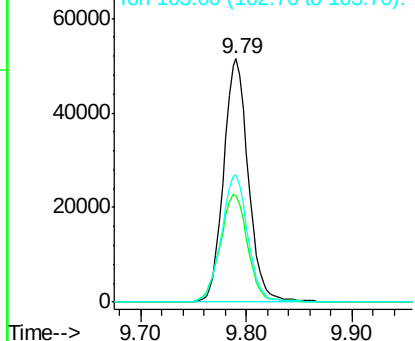


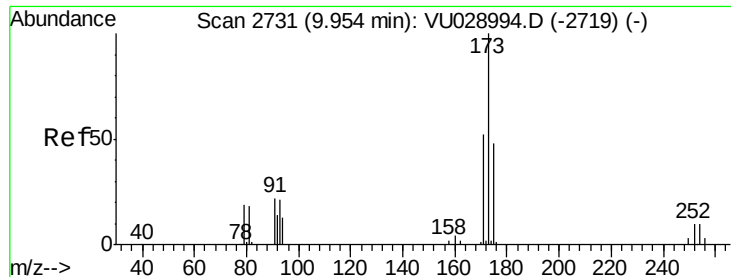
#70
Styrene
Concen: 20.000 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion:104 Resp: 83447
Ion Ratio Lower Upper
104 100
78 49.3 38.6 58.0
103 56.3 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.344 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

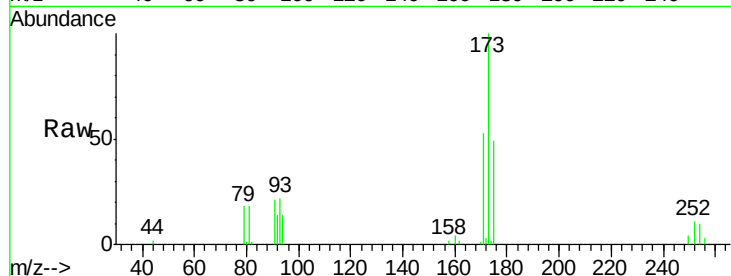
ClientSampleId :

VU0115MBS01

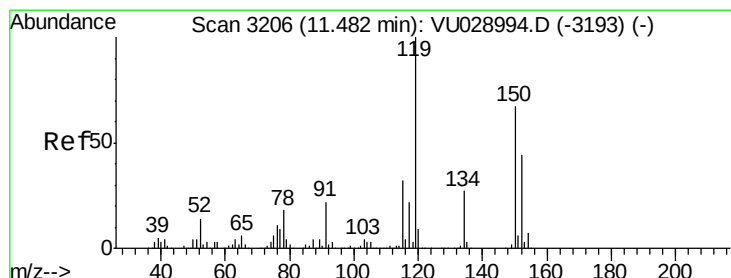
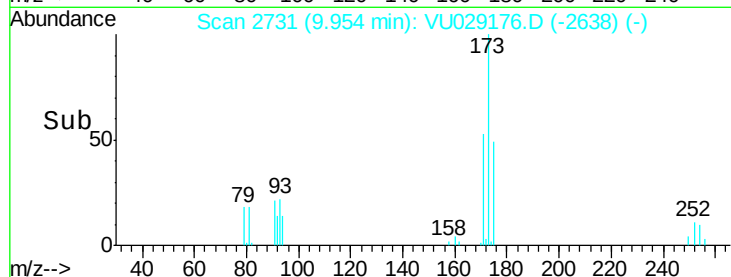
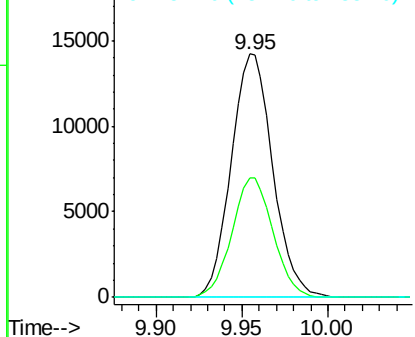
Tot Ion:	173	Resp:	23937
Ion Ratio	Lower	Upper	
173	100		
175	48.4	23.8	71.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

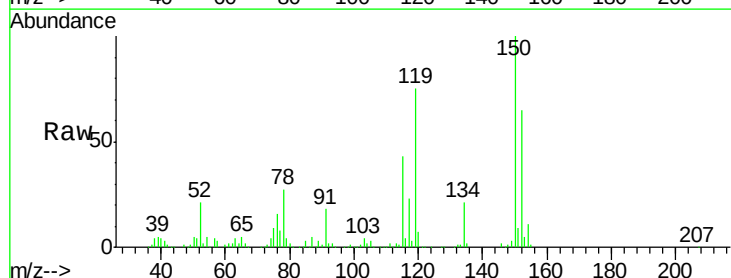
RT: 11.48 min Scan# 3205

Delta R.T. -0.00 min

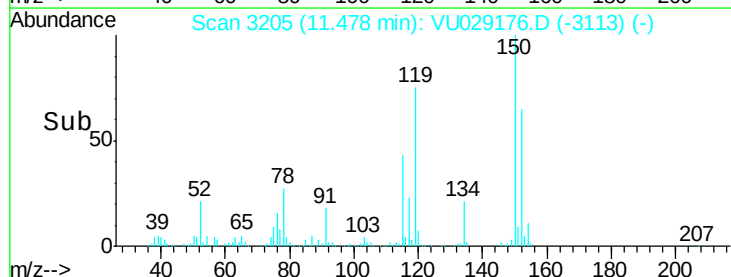
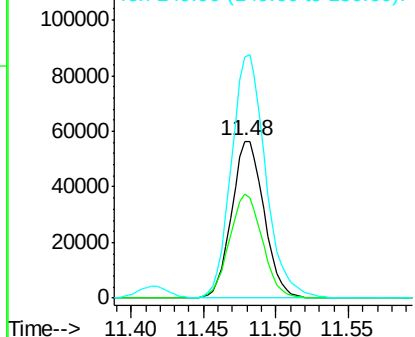
Lab File: VU029176.D

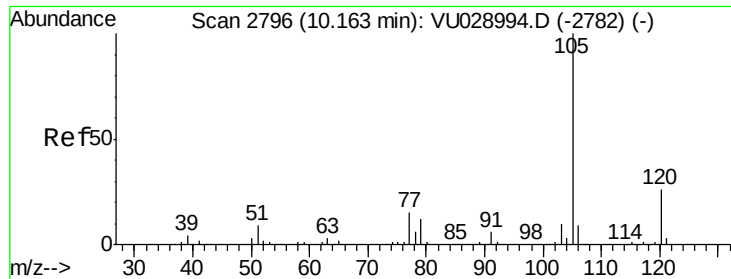
Acq: 15 Jan 2019 11:29

Tgt Ion:	152	Resp:	87883
Ion Ratio	Lower	Upper	
152	100		
115	67.2	40.1	120.3
150	162.6	0.0	345.2



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





#73

Isopropylbenzene

Concen: 20.871 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 105 Resp: 135762

Ion Ratio Lower Upper

105 100

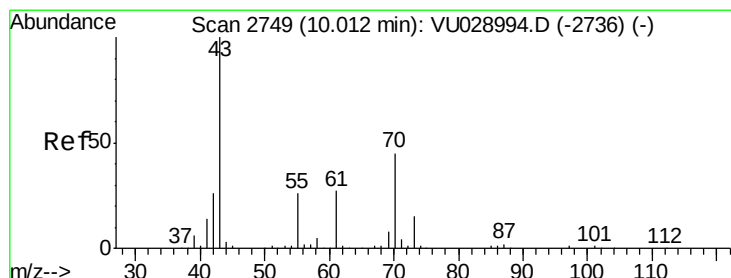
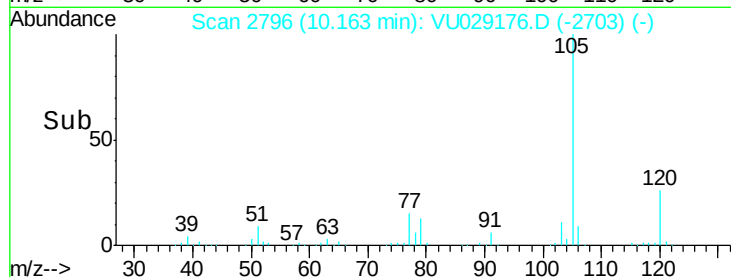
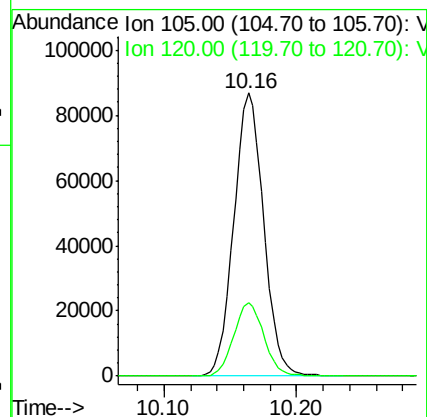
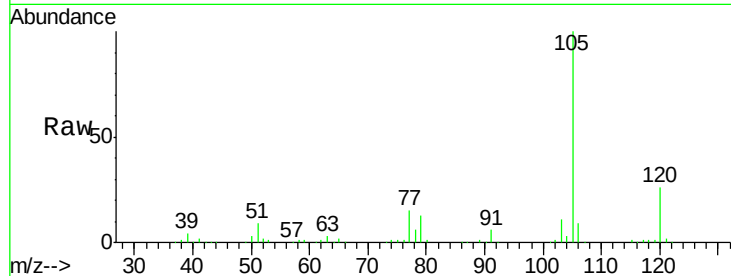
120 26.2 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.139 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion: 43 Resp: 59253

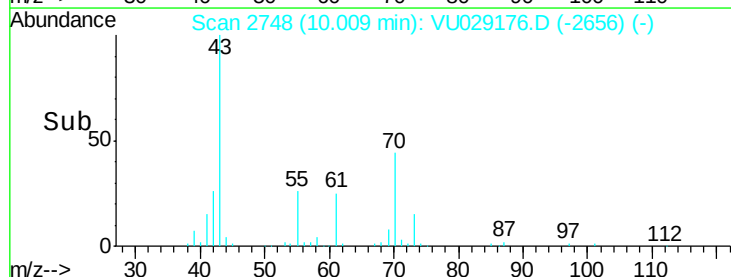
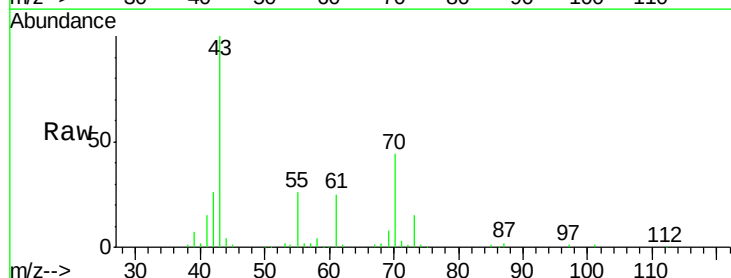
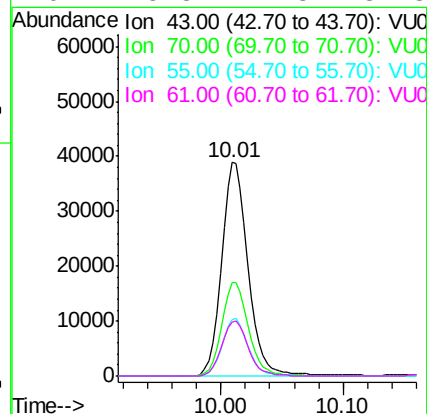
Ion Ratio Lower Upper

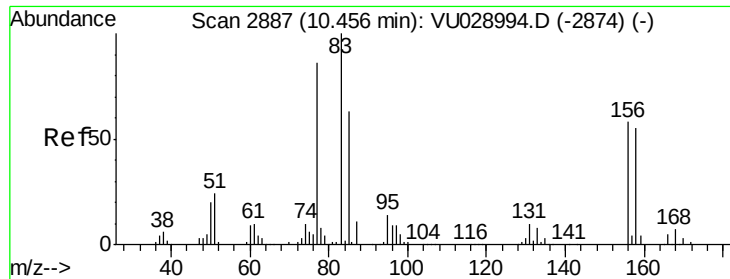
43 100

70 44.1 36.3 54.5

55 26.2 20.5 30.7

61 25.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.772 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

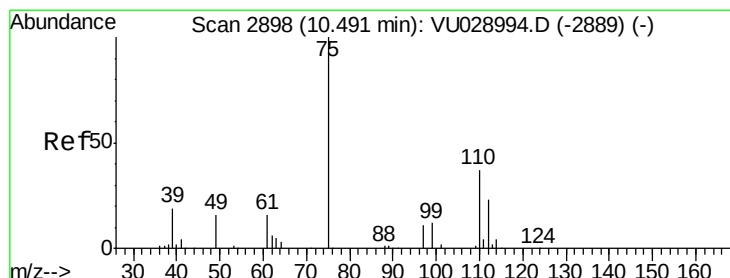
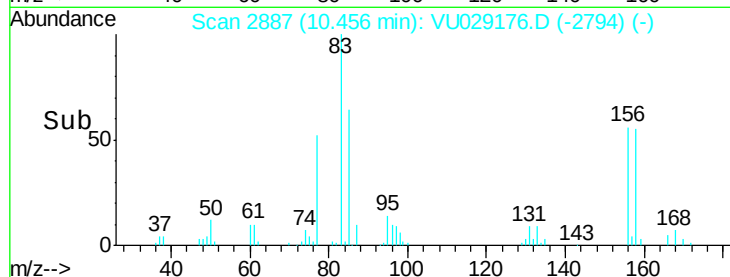
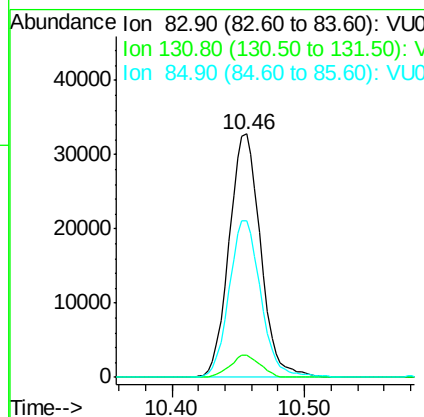
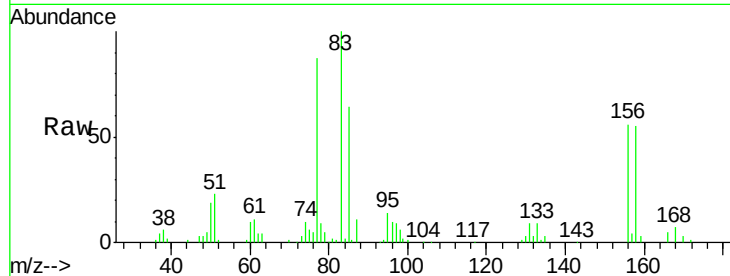
ClientSampleId :

VU0115MBS01

Tot Ion:	83	Resp:	54153
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.1
85	64.9	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 21.414 ug/l m

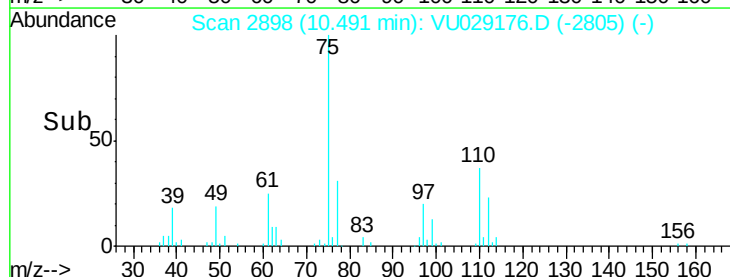
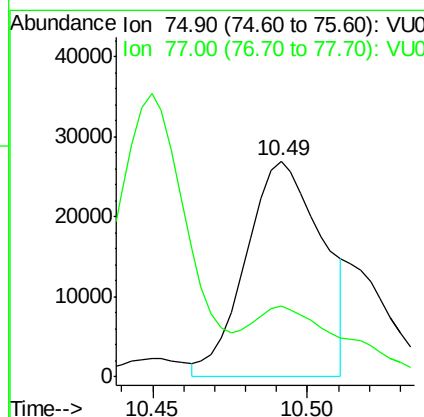
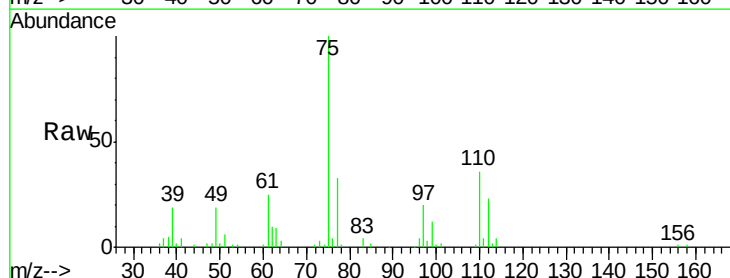
RT: 10.49 min Scan# 2898

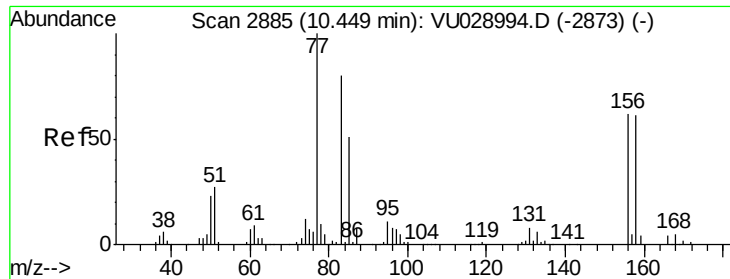
Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Tgt Ion:	75	Resp:	46110
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.9	62.8





#77

Bromobenzene

Concen: 20.706 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion:156 Resp: 35100

Ion Ratio Lower Upper

156 100

77 159.7 79.0 237.2

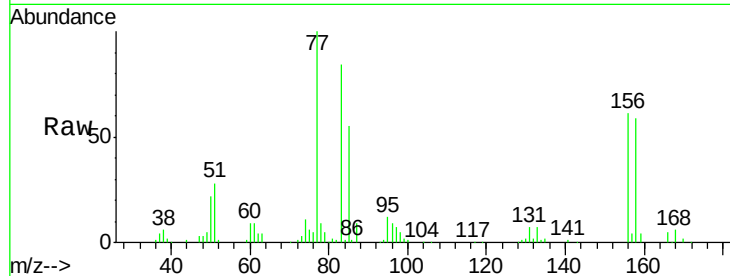
158 97.2 48.9 146.6

Manual Integrations

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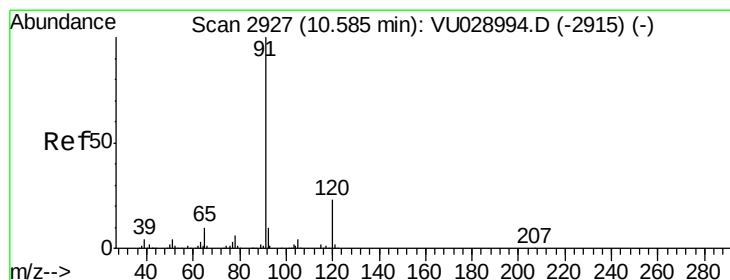
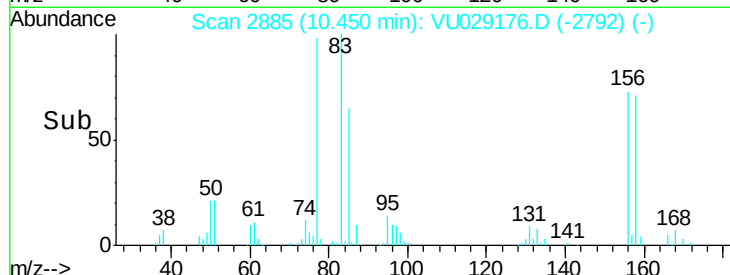
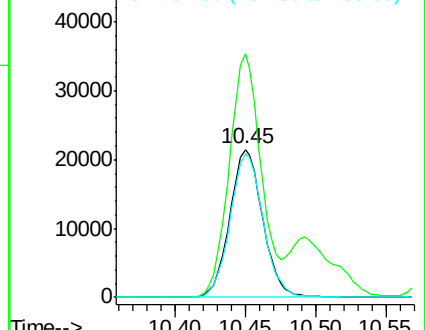
1/16/2019 9:41:59 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.886 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029176.D

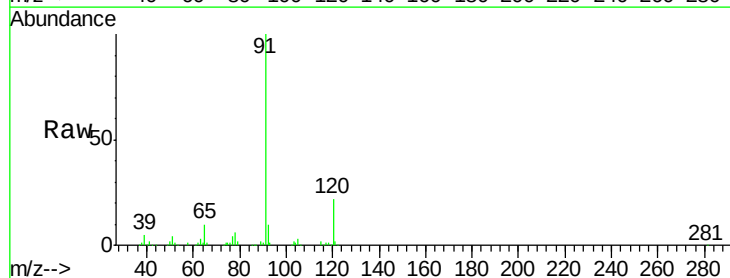
Acq: 15 Jan 2019 11:29

Tgt Ion: 91 Resp: 160110

Ion Ratio Lower Upper

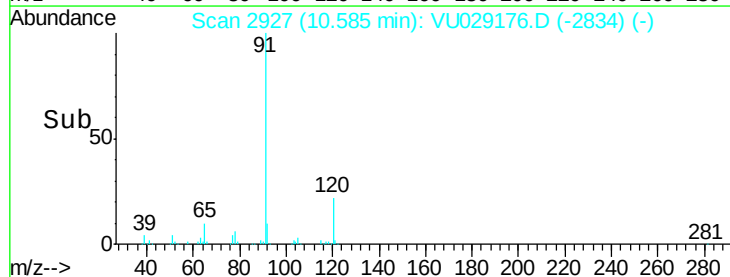
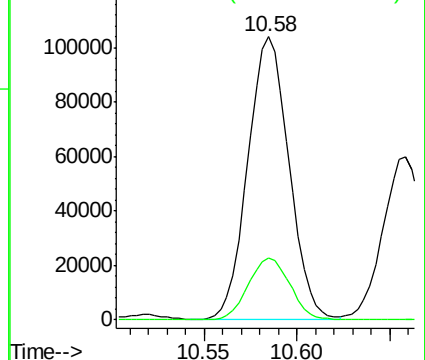
91 100

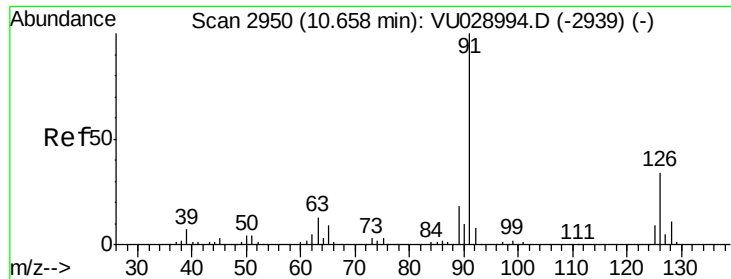
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.398 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 91 Resp: 94856

Ion Ratio Lower Upper

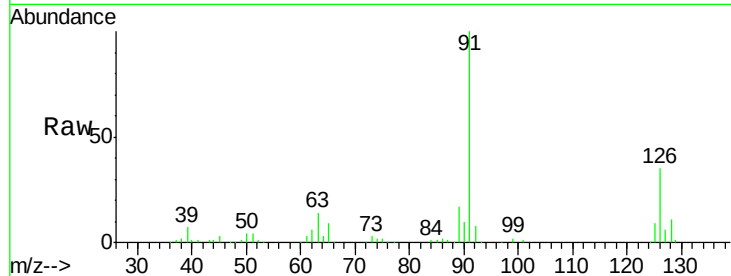
91 100

126 34.6 16.8 50.4

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Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2939) (-)

120000

100000

80000

60000

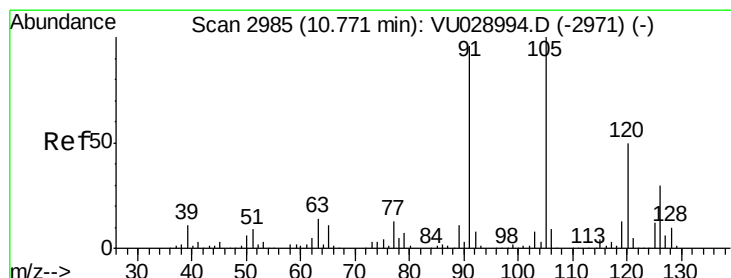
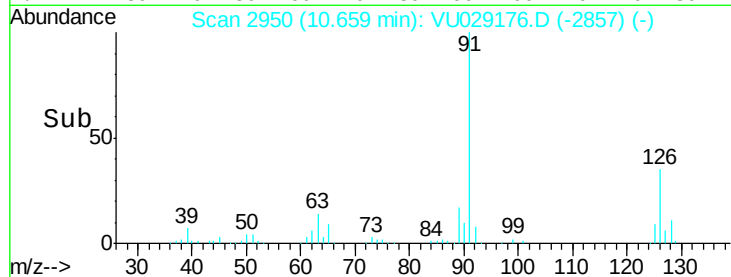
40000

20000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.719 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029176.D

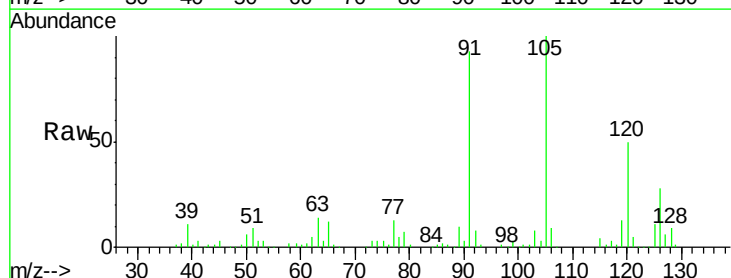
Acq: 15 Jan 2019 11:29

Tgt Ion: 105 Resp: 112545

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028994.D (-2971) (-)

Ion 120.00 (119.70 to 120.70): VU028994.D (-2971) (-)

80000

60000

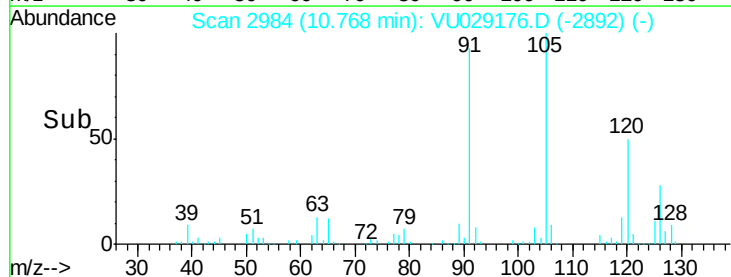
40000

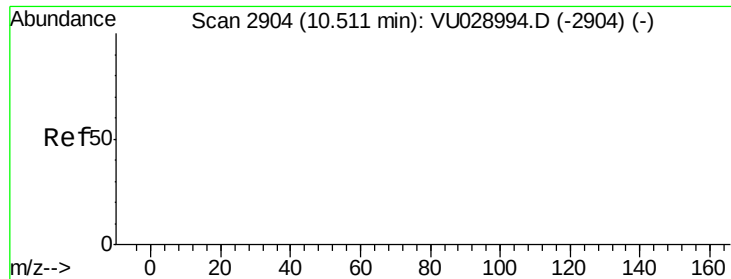
20000

0

10.70 10.75 10.80 10.85

Time-->





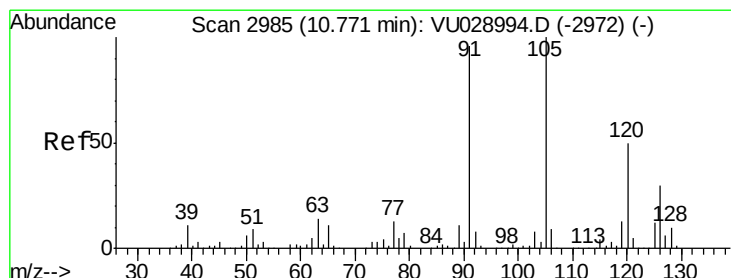
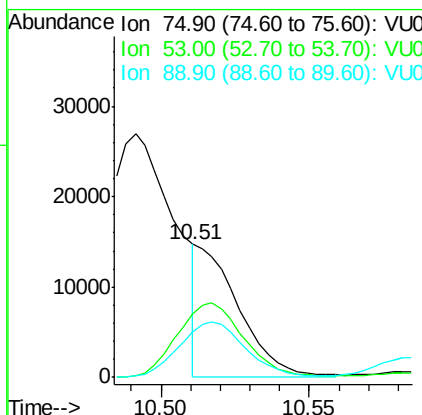
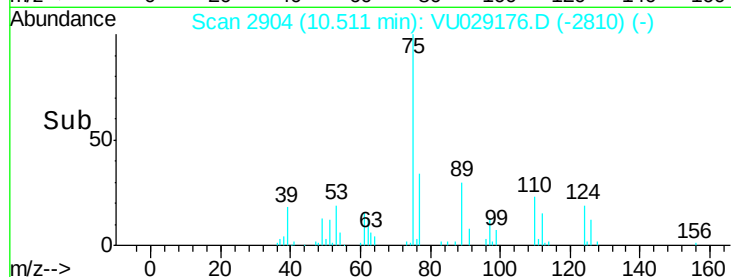
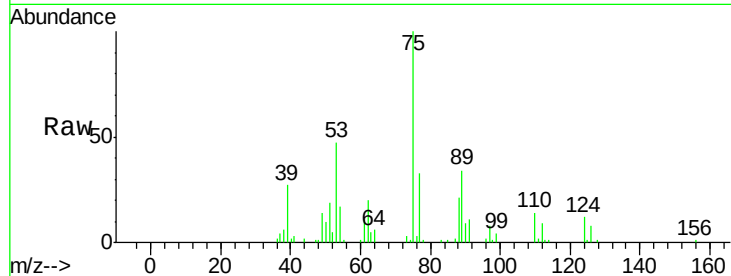
#81
trans-1,4-Dichloro-2-butene
Concen: 16.864 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

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

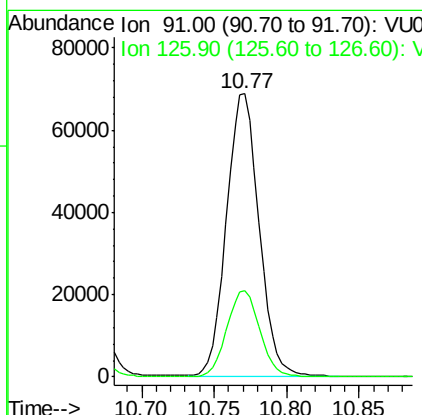
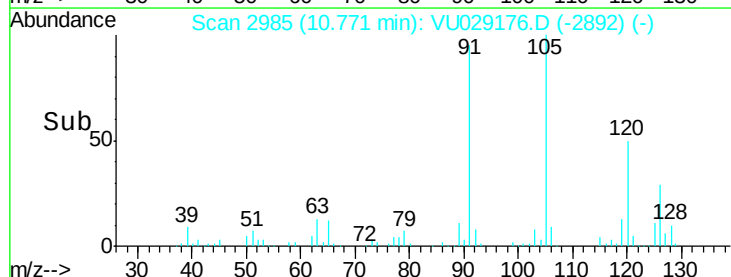
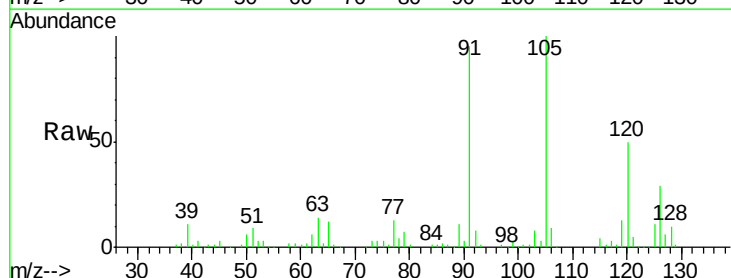
Manual Integrations
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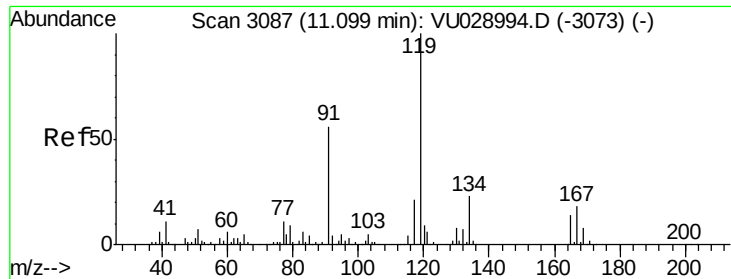
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.061 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.5	46.5





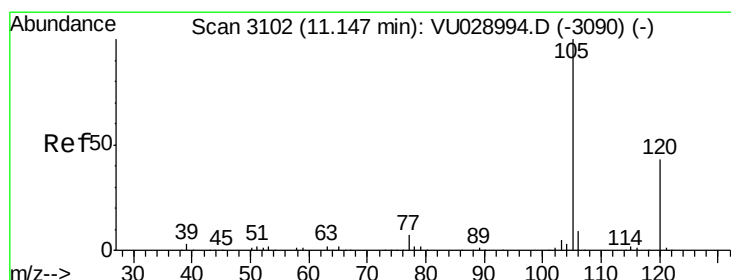
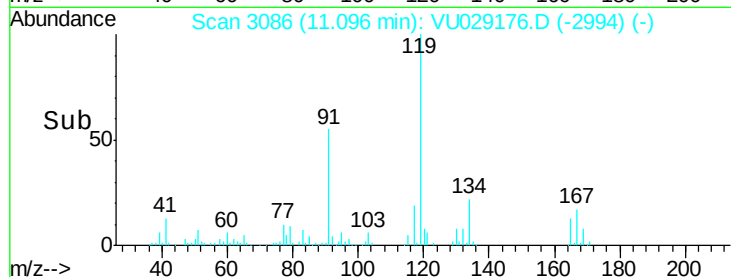
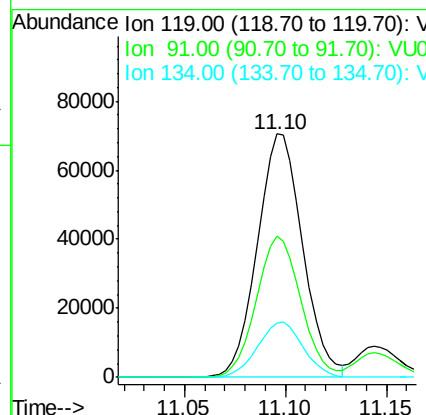
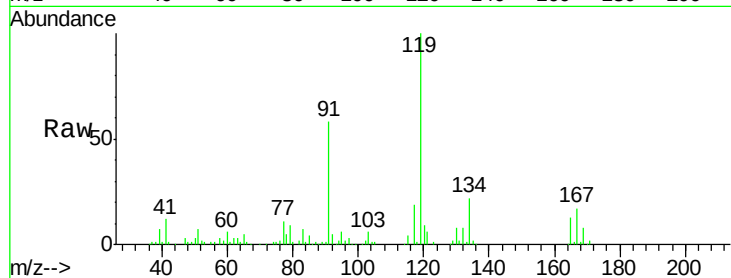
#83
 tert-Butylbenzene
 Concen: 20.637 ug/l
 RT: 11.10 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	110488		
91	56.8	28.2	84.6	
134	22.8	11.3	33.8	

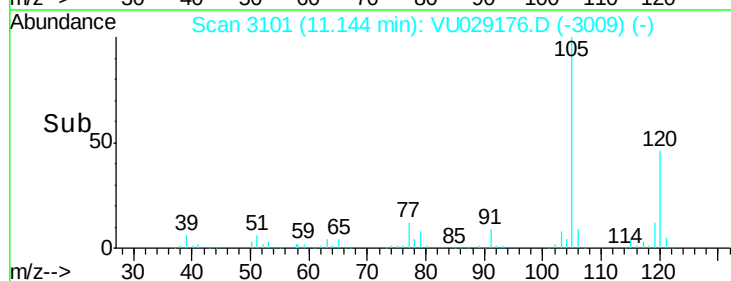
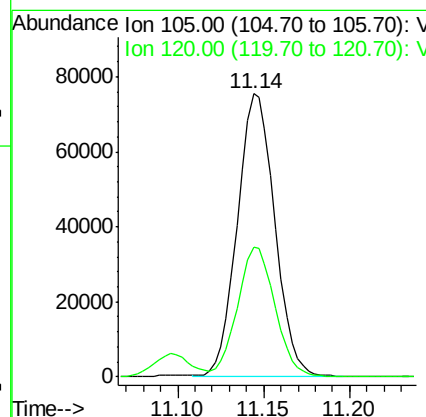
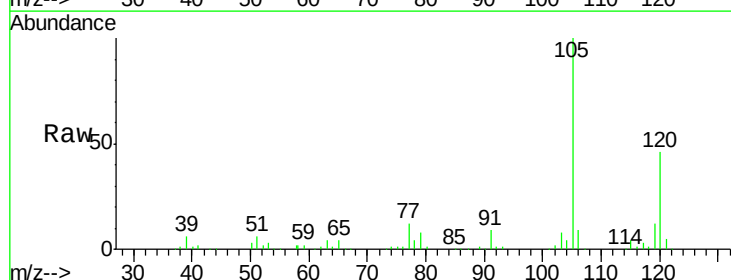
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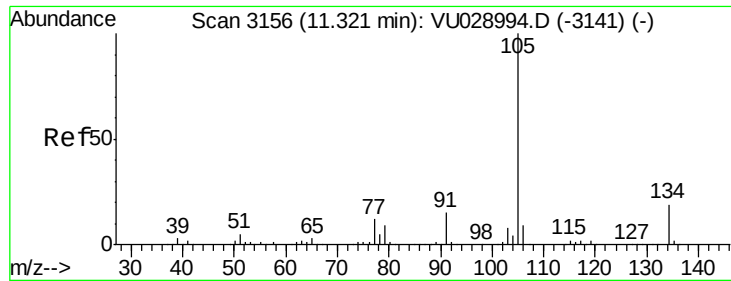
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.889 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	113287		
120	46.4	23.1	69.3	





#85

sec-Butylbenzene

Concen: 21.445 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion:105 Resp: 138857

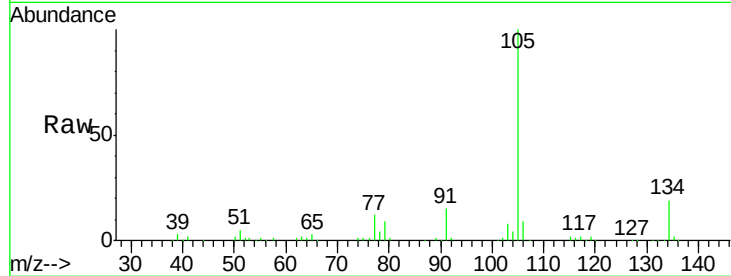
Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1

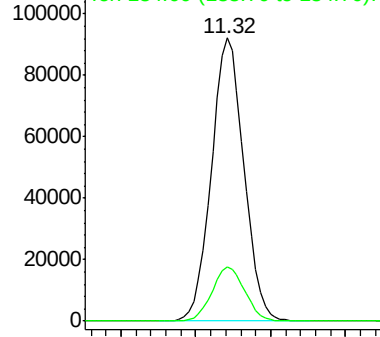
Manual Integrations
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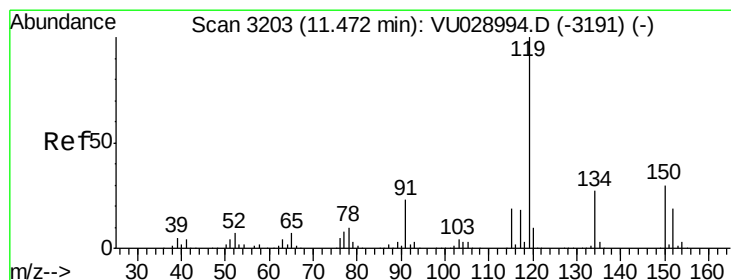
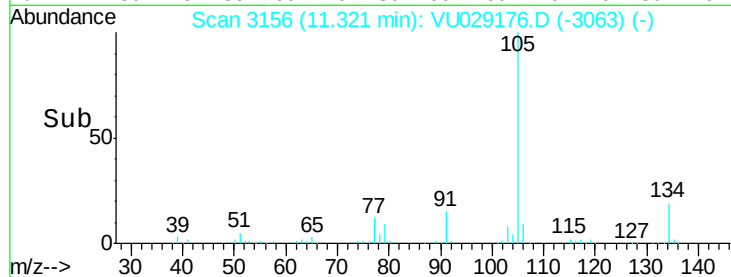


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time--> 11.25 11.30 11.35 11.40



#86

p-Isopropyltoluene

Concen: 20.875 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

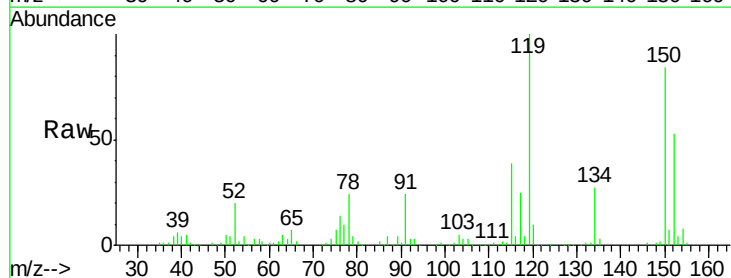
Tgt Ion:119 Resp: 115179

Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

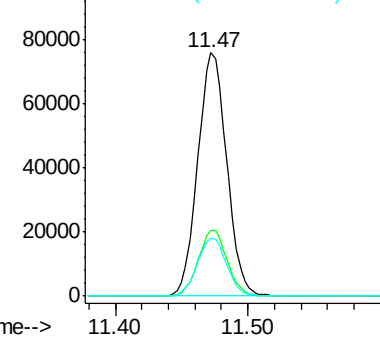
91 24.2 11.3 33.8



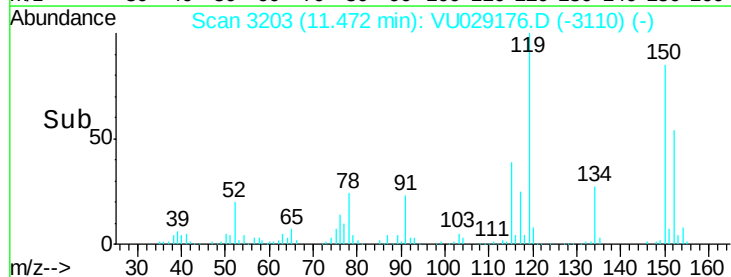
Abundance Ion 119.00 (118.70 to 119.70): V

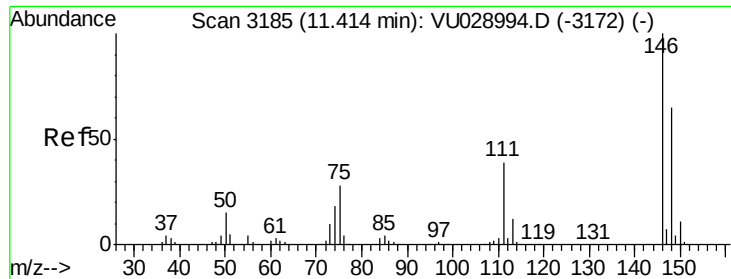
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time--> 11.40 11.50





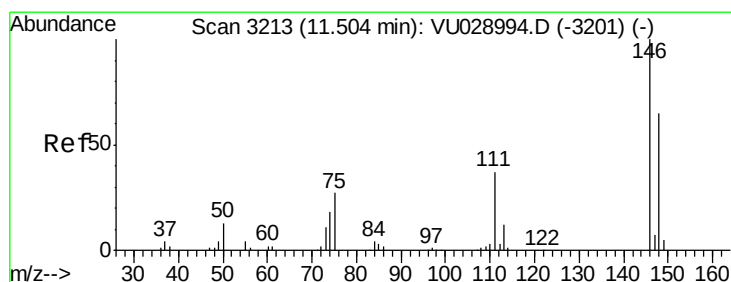
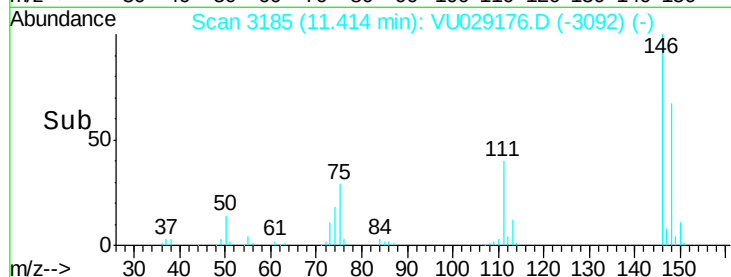
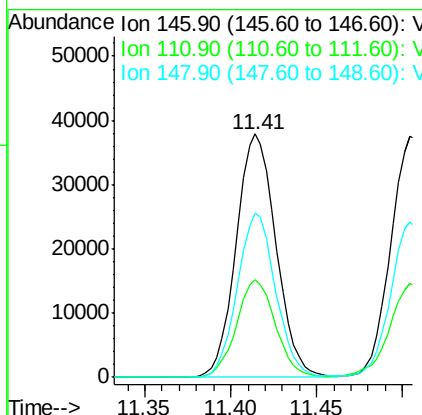
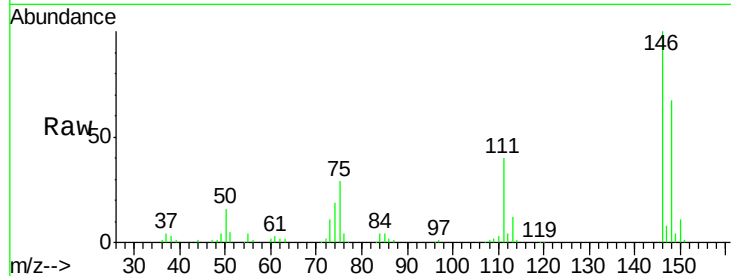
#87
 1,3-Dichlorobenzene
 Concen: 19.687 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.3	57.8
148	64.8	32.5	97.5

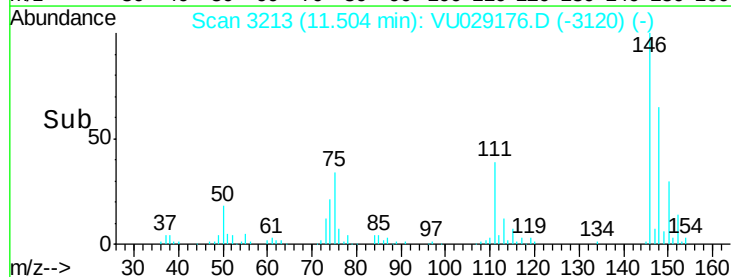
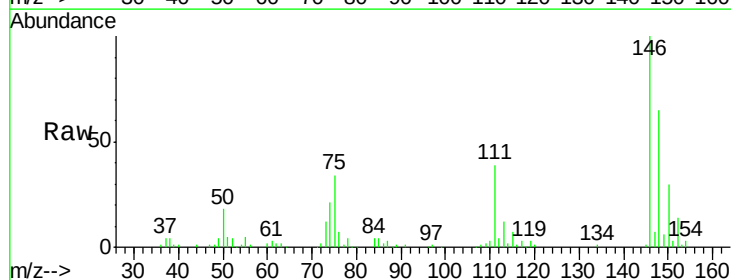
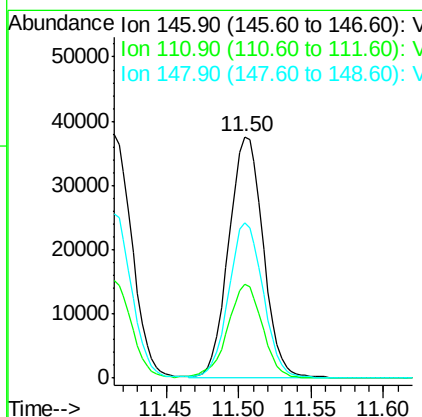
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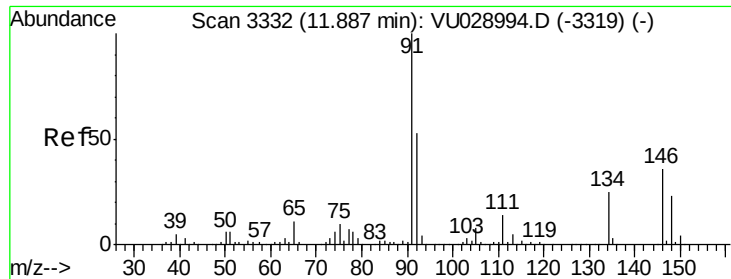
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#88
 1,4-Dichlorobenzene
 Concen: 19.340 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.3
148	64.4	32.6	98.0





#89

n-Butylbenzene

Concen: 21.138 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

Instrument :

MSVOA_U

ClientSampleId :

VU0115MBS01

Tot Ion: 91 Resp: 104095
Ion Ratio Lower Upper

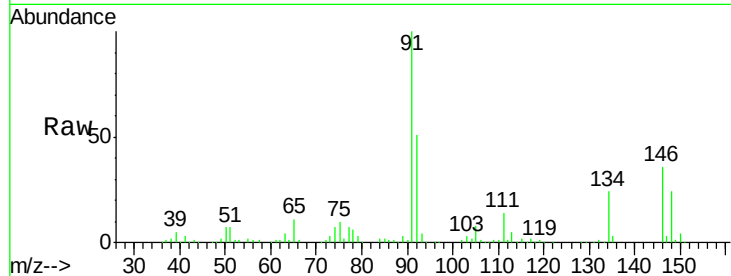
91 100

92 51.5 26.2 78.5

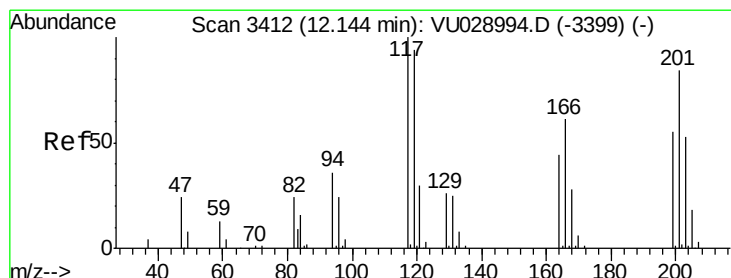
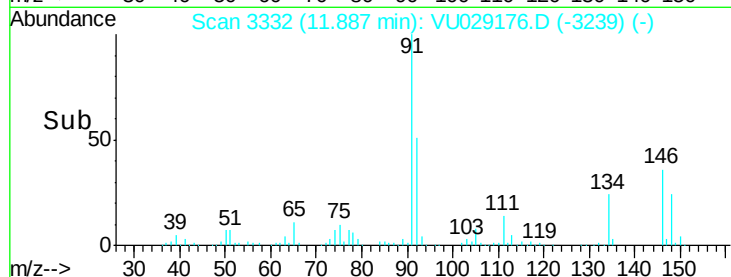
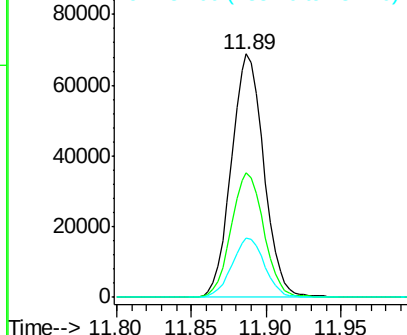
134 24.3 12.6 37.6

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Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.840 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

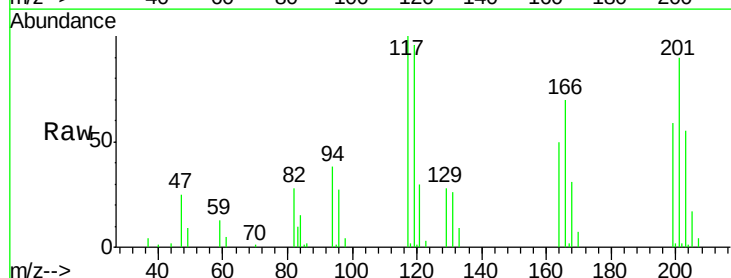
Lab File: VU029176.D

Acq: 15 Jan 2019 11:29

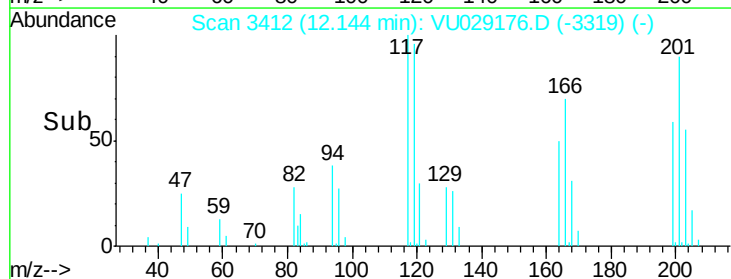
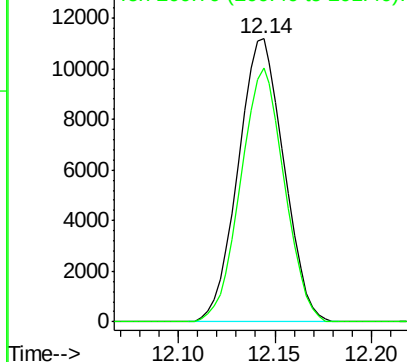
Tgt Ion: 117 Resp: 18416
Ion Ratio Lower Upper

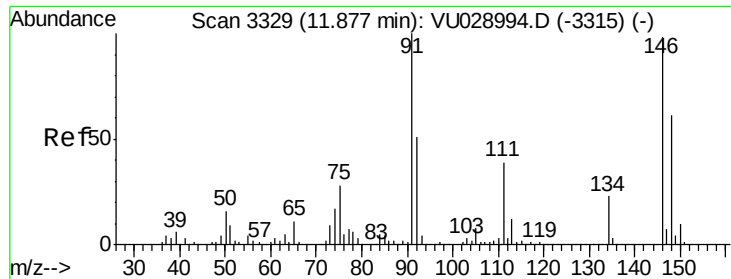
117 100

201 85.6 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





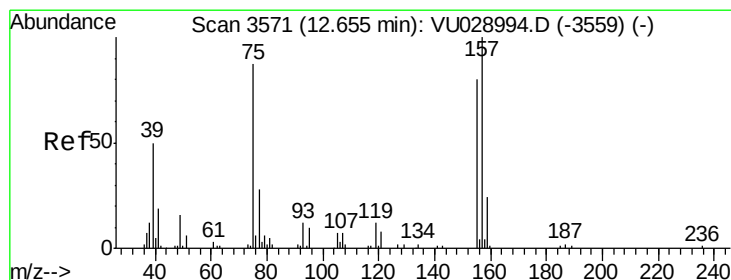
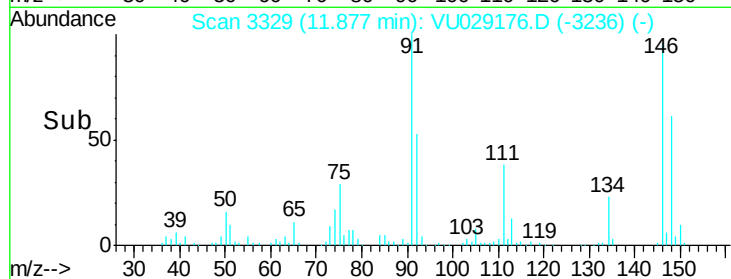
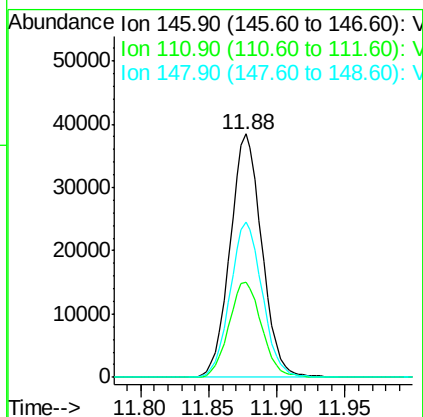
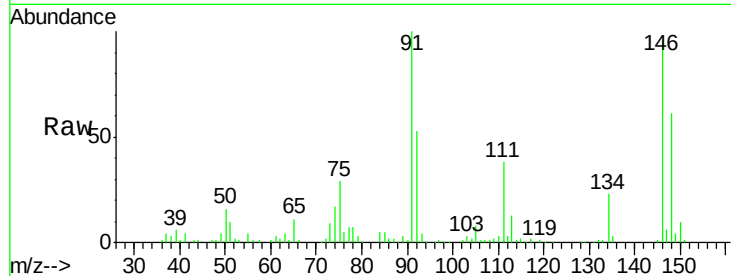
#91
 1,2-Dichlorobenzene
 Concen: 19.888 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.3	31.6	94.8

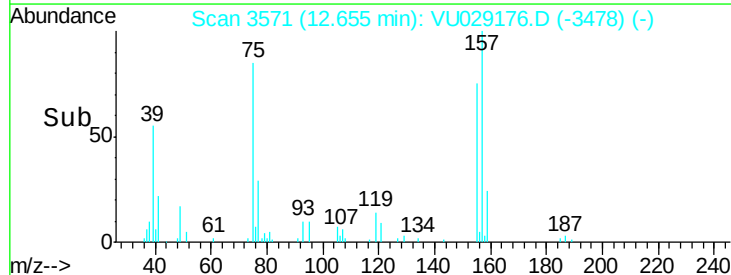
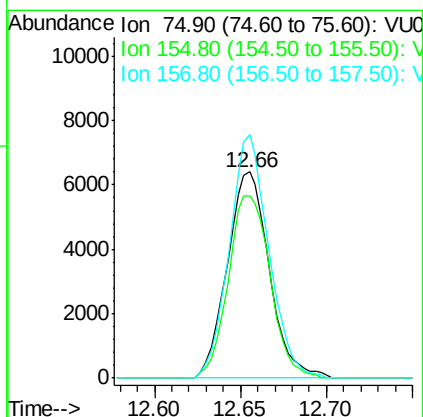
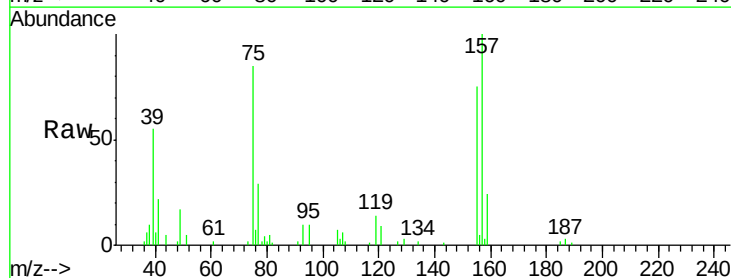
Manual Integrations
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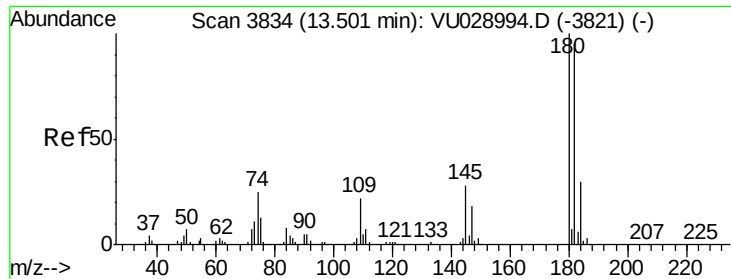
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.770 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	46.3	138.8
157	110.8	57.4	172.0





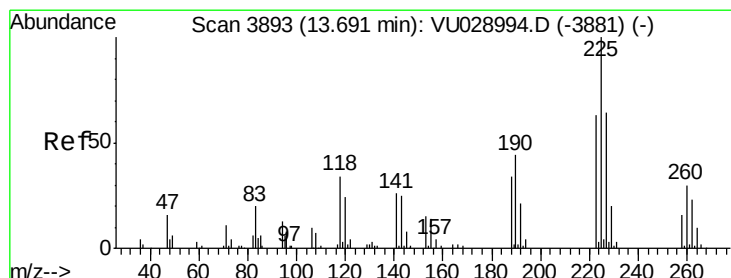
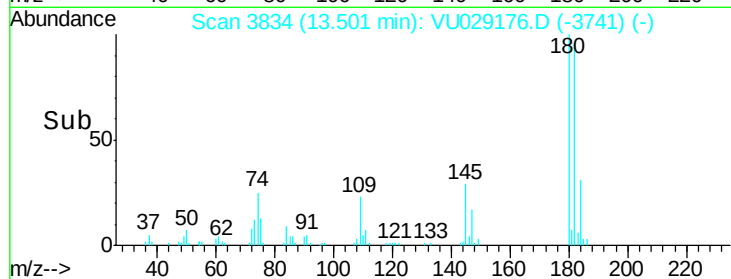
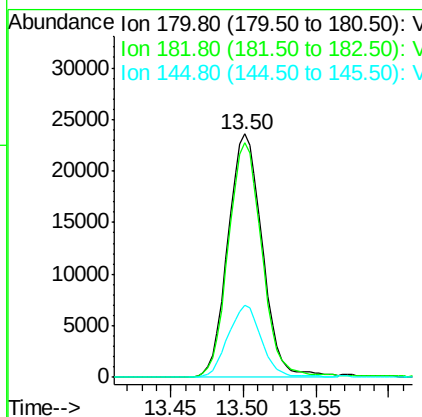
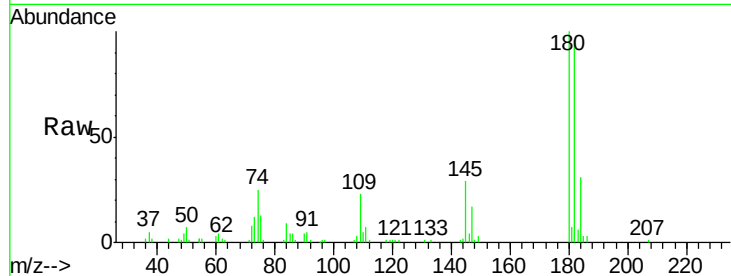
#93
 1,2,4-Trichlorobenzene
 Concen: 19.488 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0115MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38960		
182	93.5	47.5	142.6	
145	28.5	14.0	42.0	

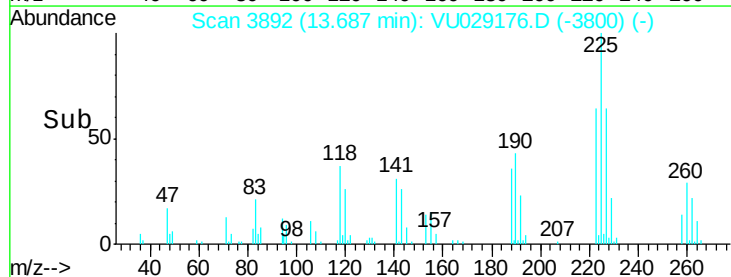
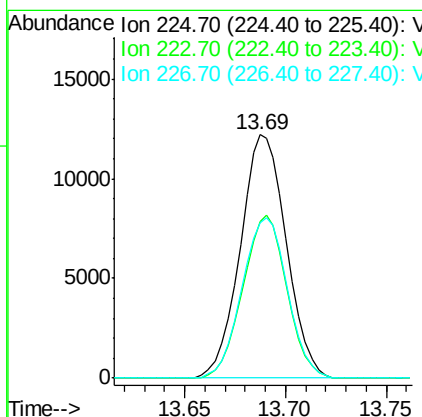
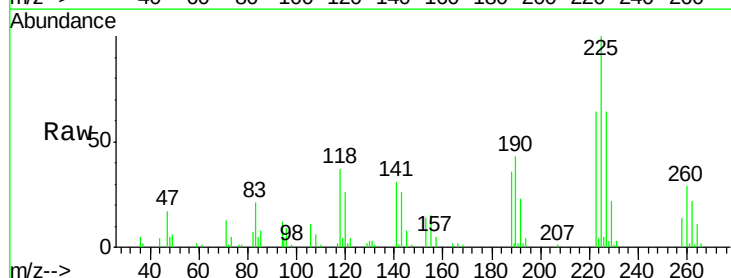
Manual Integrations
 APPROVED

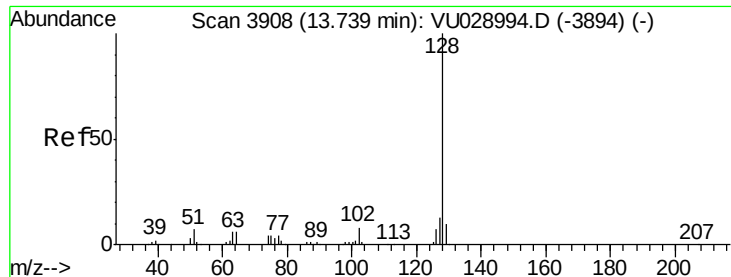
MMDadoda
 1/16/2019 9:41:59 AM



#94
 Hexachlorobutadiene
 Concen: 21.270 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU029176.D
 Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19450		
223	64.1	31.4	94.0	
227	65.1	31.9	95.5	





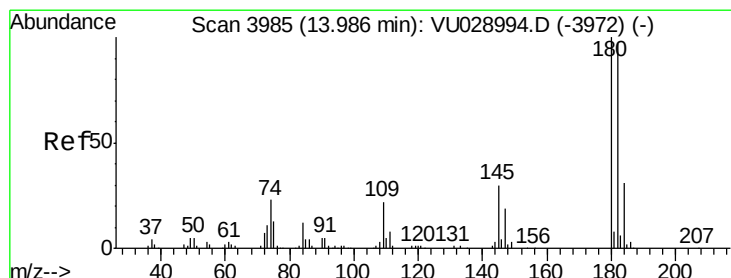
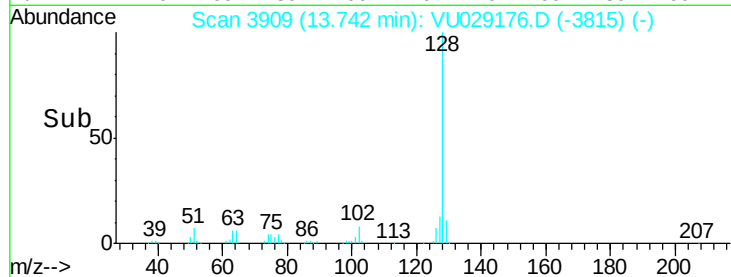
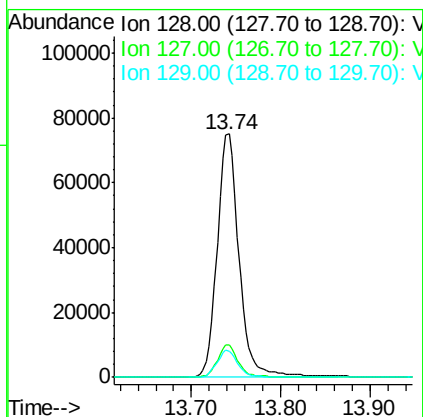
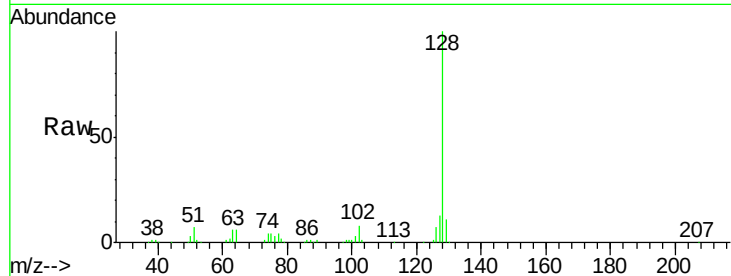
#95
Naphthalene
Concen: 18.798 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Instrument :
MSVOA_U
ClientSampleId :
VU0115MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2019 9:41:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.343 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029176.D
Acq: 15 Jan 2019 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.3
145	29.5	14.8	44.4

