

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029154.D
 Acq On : 14 Jan 2019 10:34
 Operator : JC/SP
 Sample : VU0114WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:35 AM

Quant Time: Jan 14 23:08:20 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	122673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	194683	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89646	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	76050	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	4.88	113	64157	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	7.56	98	251998	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	10.30	95	88241	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	22657	18.624	ug/l	97
3) Chloromethane	1.33	50	33014	16.535	ug/l	98
4) Vinyl Chloride	1.40	62	33128	18.478	ug/l	96
5) Bromomethane	1.62	94	20027	19.899	ug/l	96
6) Chloroethane	1.69	64	20344	19.051	ug/l	99
7) Trichlorofluoromethane	1.88	101	37523	19.208	ug/l	97
8) Diethyl Ether	2.10	74	17549	18.698	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25752	19.701	ug/l	99
10) Methyl Iodide	2.41	142	22710	18.478	ug/l	99
11) Tert butyl alcohol	2.82	59	37578	97.487	ug/l	99
12) 1,1-Dichloroethene	2.28	96	24306	19.104	ug/l	98
13) Acrolein	2.19	56	26009	89.858	ug/l	99
14) Allyl chloride	2.59	41	42064	18.019	ug/l	92
15) Acrylonitrile	2.93	53	91930	97.210	ug/l	98
16) Acetone	2.32	43	97330	101.882	ug/l	100
17) Carbon Disulfide	2.48	76	76581	17.818	ug/l	99
18) Methyl Acetate	2.61	43	45822	20.629	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	86314	19.296	ug/l	99
20) Methylene Chloride	2.70	84	30876	19.036	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	27336	18.493	ug/l	94
22) Diisopropyl ether	3.57	45	92223	19.989	ug/l	96
23) Vinyl Acetate	3.52	43	372534	98.769	ug/l	99
24) 1,1-Dichloroethane	3.44	63	53242	19.990	ug/l	99
25) 2-Butanone	4.26	43	131359	101.805	ug/l	99
26) 2,2-Dichloropropane	4.22	77	43945	20.420	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	31958	19.767	ug/l	99
28) Bromochloromethane	4.55	49	24865	21.803	ug/l	99
29) Tetrahydrofuran	4.63	42	77537	99.078	ug/l	99
30) Chloroform	4.67	83	51705	20.382	ug/l	98
31) Cyclohexane	4.99	56	49893	19.152	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	41924	20.001	ug/l	98
36) 1,1-Dichloropropene	5.13	75	38753	19.915	ug/l	98
37) Ethyl Acetate	4.38	43	41423	19.393	ug/l	99
38) Carbon Tetrachloride	5.13	117	34391	21.190	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	47805	19.983	ug/l	98
40) Benzene	5.39	78	122037	20.105	ug/l	98
41) Methacrylonitrile	4.54	41	24087	21.067	ug/l	99
42) 1,2-Dichloroethane	5.40	62	38283	20.989	ug/l	99
43) Isopropyl Acetate	5.55	43	67138	20.490	ug/l	99
44) Trichloroethene	6.18	130	30923	20.561	ug/l	95
45) 1,2-Dichloropropane	6.43	63	32944	20.552	ug/l	99
46) Dibromomethane	6.56	93	20995	20.489	ug/l	98
47) Bromodichloromethane	6.76	83	39744	21.066	ug/l	99
48) Methyl methacrylate	6.62	41	33835	21.207	ug/l	99
49) 1,4-Dioxane	6.61	88	16413	434.093	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	225809	101.264	ug/l	100
52) Toluene	7.63	92	73482	19.886	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	45768	20.194	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	50144	20.476	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	31175	21.059	ug/l	97
56) Ethyl methacrylate	8.02	69	45579	19.985	ug/l	99
57) 1,3-Dichloropropane	8.24	76	51755	20.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	95029	94.746	ug/l	99
59) 2-Hexanone	8.36	43	175942	100.515	ug/l	100
60) Dibromochloromethane	8.47	129	30592	20.859	ug/l	98
61) 1,2-Dibromoethane	8.58	107	33254	20.712	ug/l	99
64) Tetrachloroethene	8.22	164	26581	20.345	ug/l	98
65) Chlorobenzene	9.12	112	80689	19.848	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	27652	20.959	ug/l	100
67) Ethyl Benzene	9.25	91	137613	20.275	ug/l	99
68) m/p-Xylenes	9.37	106	107783	40.870	ug/l	98
69) o-Xylene	9.78	106	51836	20.399	ug/l	100
70) Styrene	9.79	104	83880	20.136	ug/l	99
71) Bromoform	9.95	173	24138	20.548	ug/l #	100
73) Isopropylbenzene	10.16	105	136608	20.588	ug/l	99
74) N-amyl acetate	10.01	43	56448	19.742	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	53150	19.986	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	45216m	20.586	ug/l	
77) Bromobenzene	10.45	156	34283	19.826	ug/l	99
78) n-propylbenzene	10.58	91	162940	20.837	ug/l	99
79) 2-Chlorotoluene	10.66	91	94867	19.999	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	112937	20.382	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	14743m	17.311	ug/l	
82) 4-Chlorotoluene	10.77	91	107848	19.828	ug/l	99
83) tert-Butylbenzene	11.10	119	111151	20.352	ug/l	99
84) 1,2,4-Trimethylbenzene	11.14	105	114943	20.777	ug/l	100
85) sec-Butylbenzene	11.32	105	139058	21.053	ug/l	100
86) p-Isopropyltoluene	11.47	119	118207	21.002	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	62298	19.642	ug/l	98
88) 1,4-Dichlorobenzene	11.50	146	63941	19.530	ug/l	99
89) n-Butylbenzene	11.89	91	106953	21.291	ug/l	99
90) Hexachloroethane	12.14	117	19412	20.502	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	63341	19.827	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	10485	20.499	ug/l	98

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ClientSampleId :
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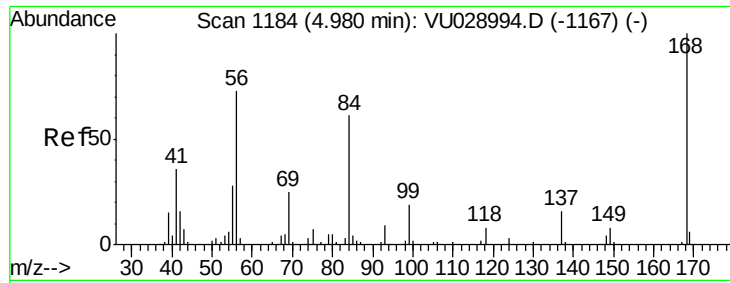
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	39989	19.609	ug/l	99
94) Hexachlorobutadiene	13.69	225	20806	22.306	ug/l	99
95) Naphthalene	13.74	128	125944	18.155	ug/l	99
96) 1,2,3-Trichlorobenzene	13.98	180	40838	19.926	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion:168 Resp: 122673

Ion Ratio Lower Upper

168 100

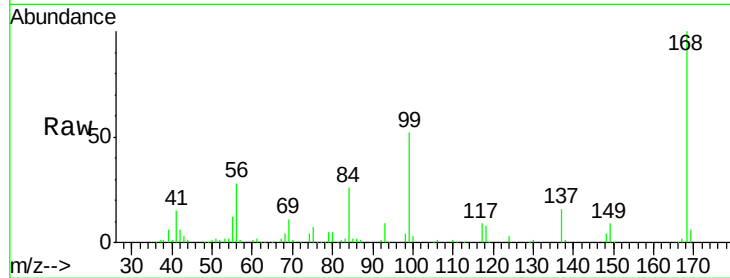
99 51.8 42.0 63.0

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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

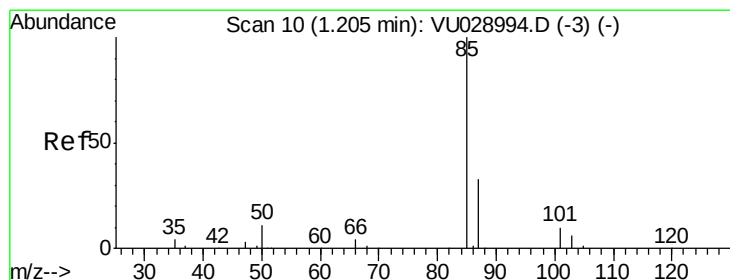
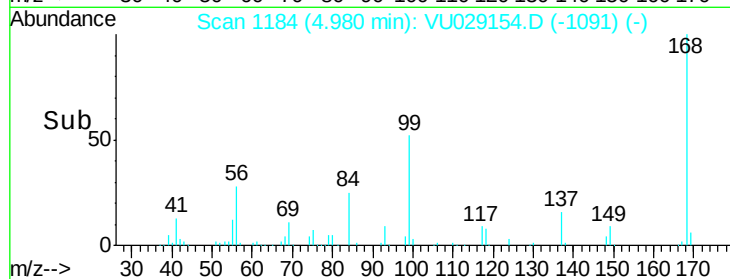
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.624 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029154.D

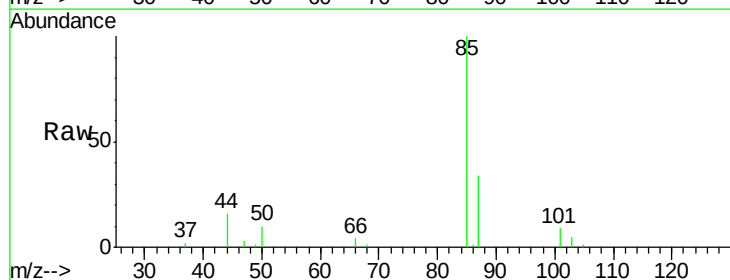
Acq: 14 Jan 2019 10:34

Tgt Ion: 85 Resp: 22657

Ion Ratio Lower Upper

85 100

87 33.9 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

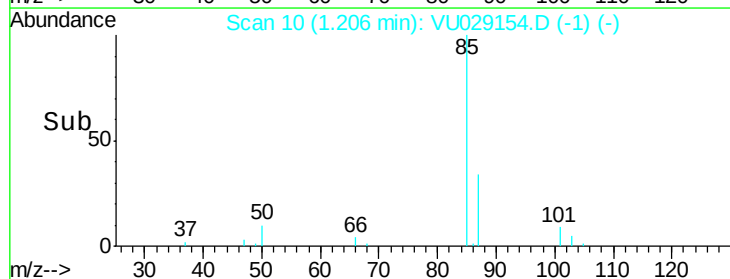
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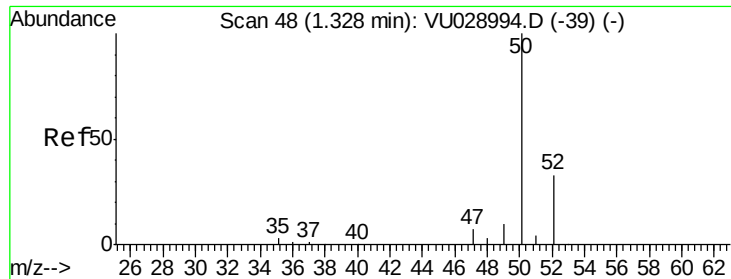
5000

0

1.20 1.25

Time-->





#3

Chloromethane

Concen: 16.535 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion: 50 Resp: 33014

Ion Ratio Lower Upper

50 100

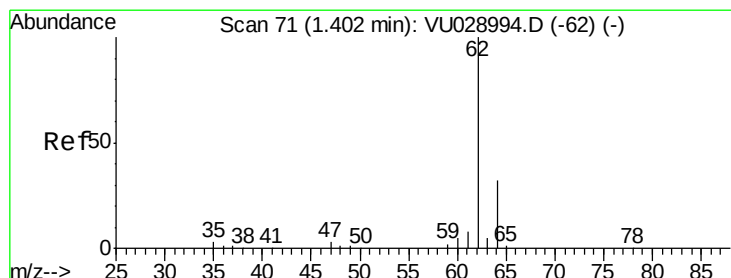
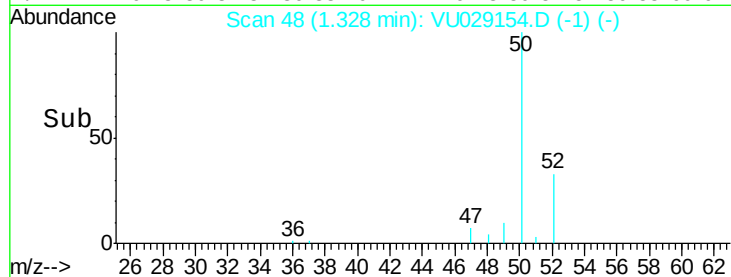
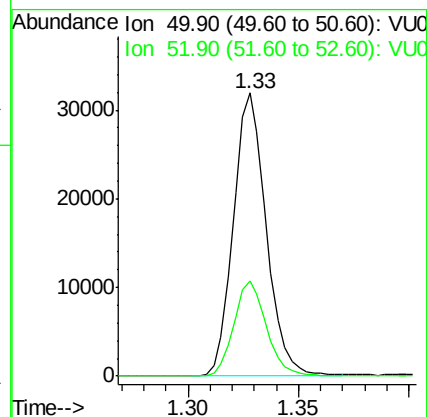
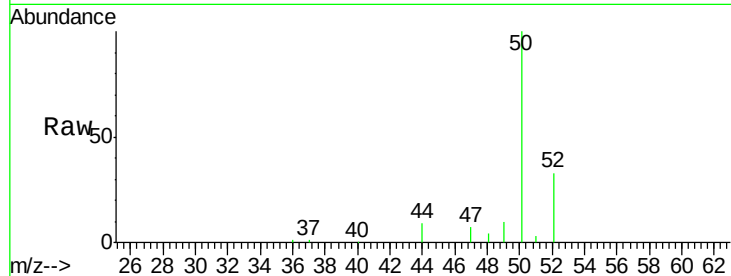
52 33.5 26.1 39.1

Manual Integrations

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1/15/2019 11:29:35 AM



#4

Vinyl Chloride

Concen: 18.478 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029154.D

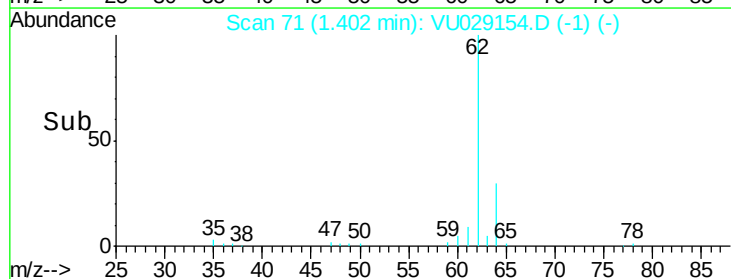
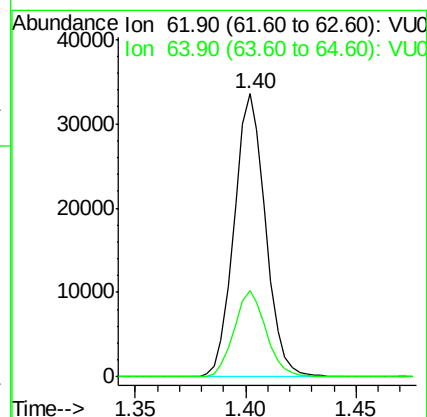
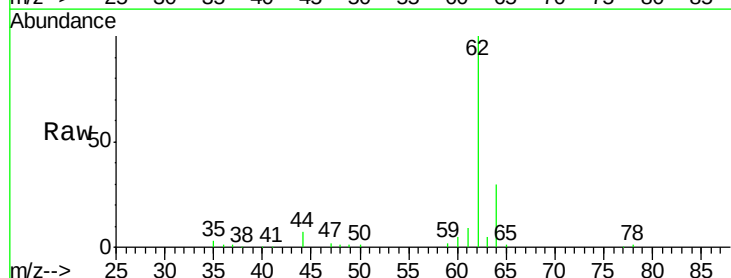
Acq: 14 Jan 2019 10:34

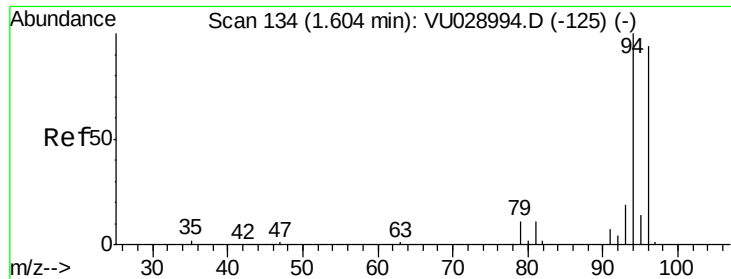
Tgt Ion: 62 Resp: 33128

Ion Ratio Lower Upper

62 100

64 30.3 25.9 38.9





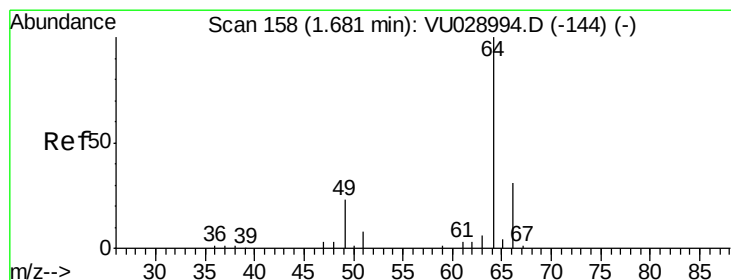
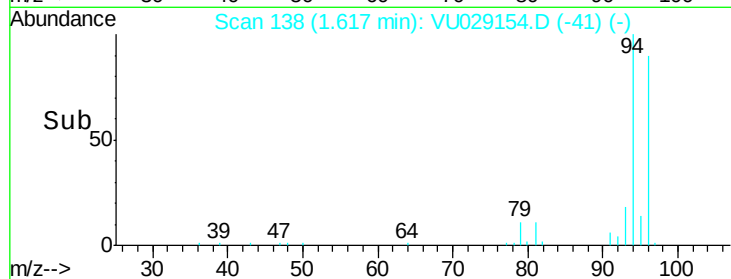
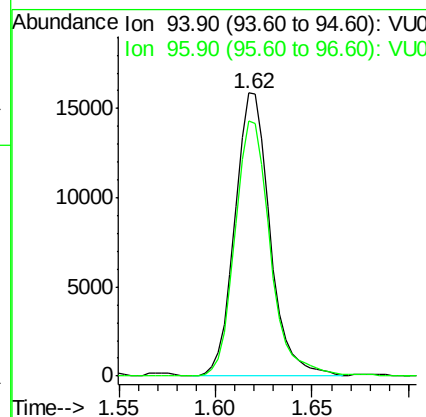
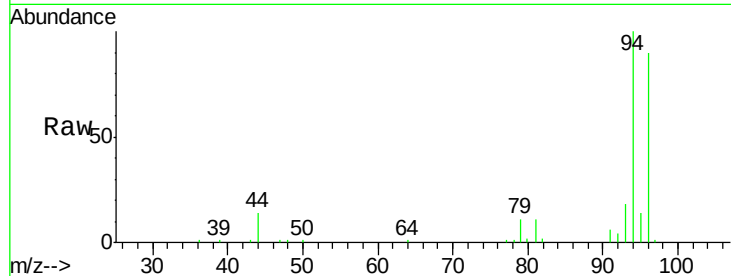
#5
Bromomethane
Concen: 19.899 ug/l
RT: 1.62 min Scan# 138
Delta R.T. 0.01 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion: 94 Resp: 20027
Ion Ratio Lower Upper
94 100
96 90.2 75.5 113.3

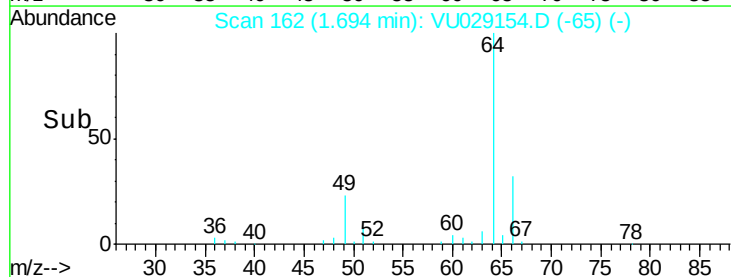
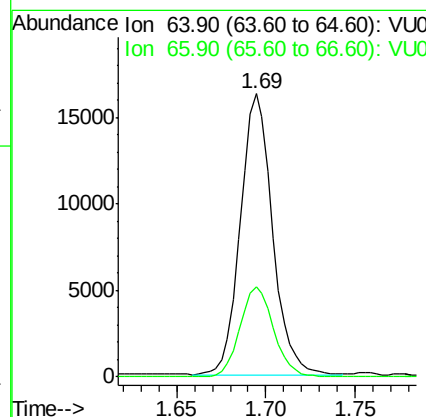
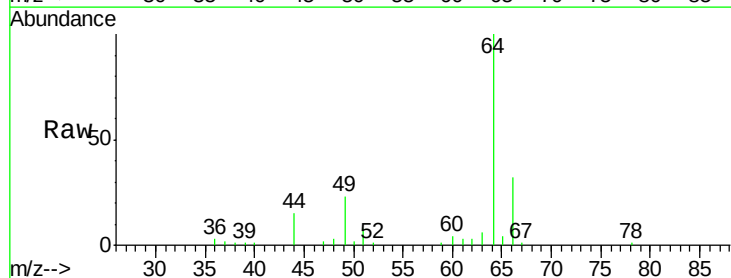
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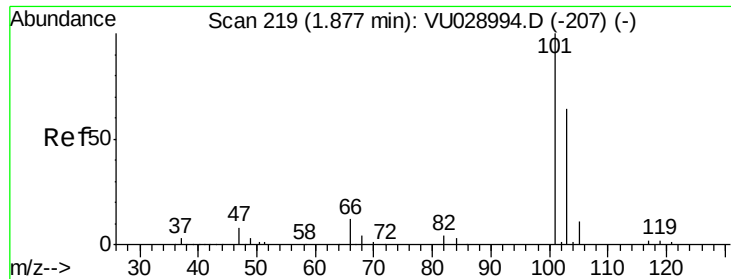
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1/15/2019 11:29:35 AM



#6
Chloroethane
Concen: 19.051 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.01 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 64 Resp: 20344
Ion Ratio Lower Upper
64 100
66 32.2 25.2 37.8





#7

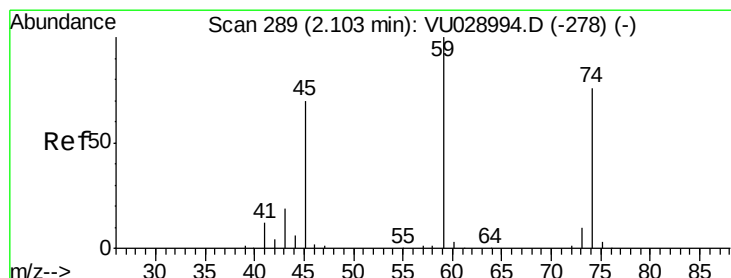
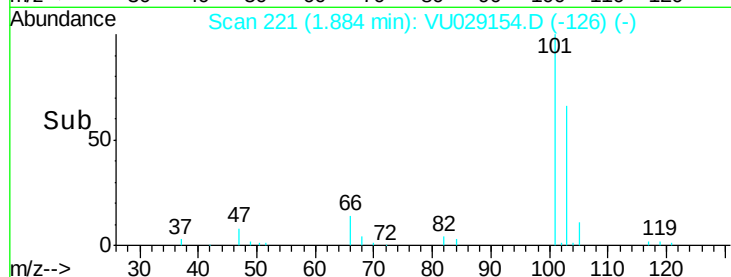
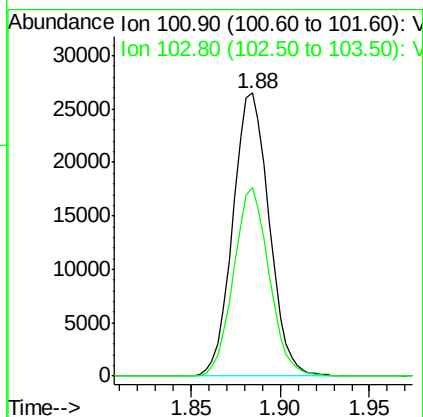
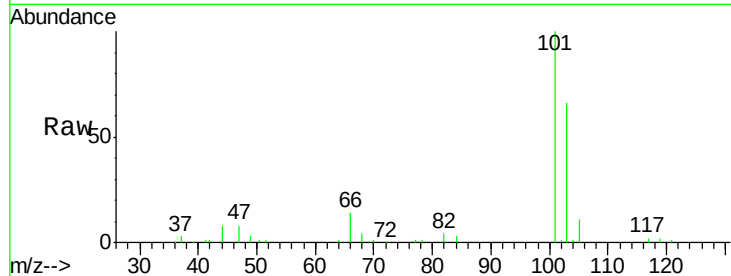
Trichlorofluoromethane
Concen: 19.208 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion:101 Resp: 37523
Ion Ratio Lower Upper
101 100
103 66.5 51.5 77.3

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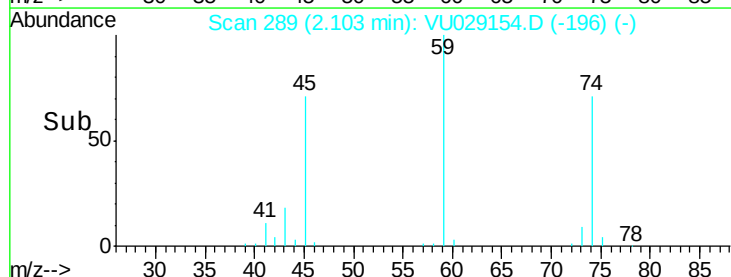
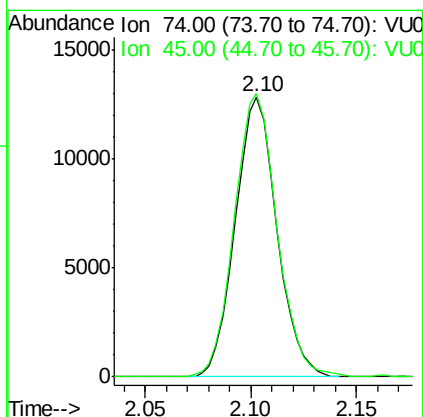
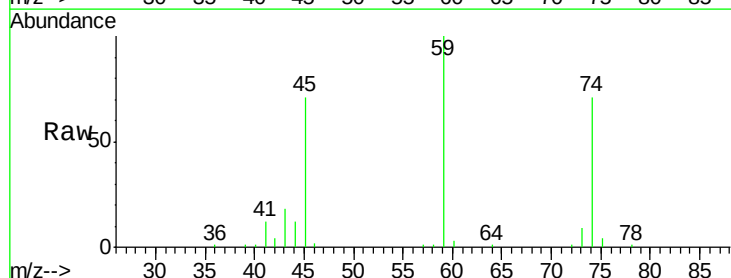
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1/15/2019 11:29:35 AM

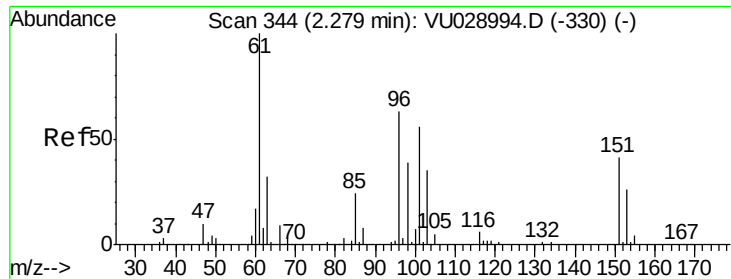


#8

Diethyl Ether
Concen: 18.698 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 74 Resp: 17549
Ion Ratio Lower Upper
74 100
45 103.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.701 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

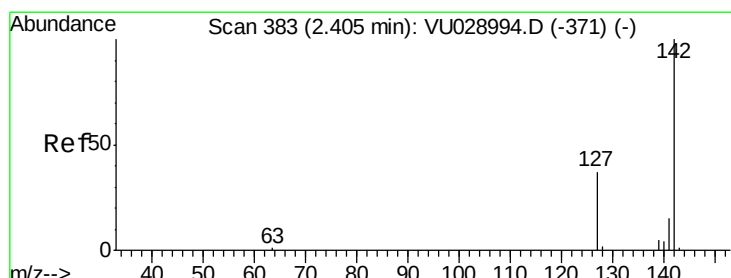
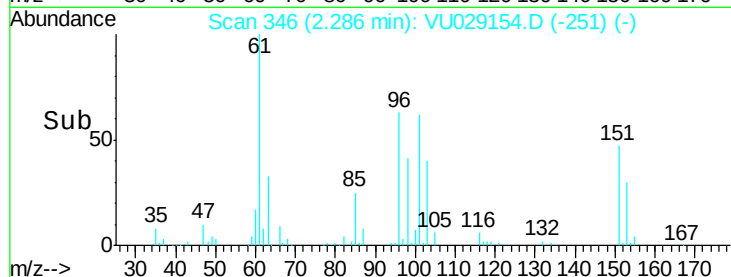
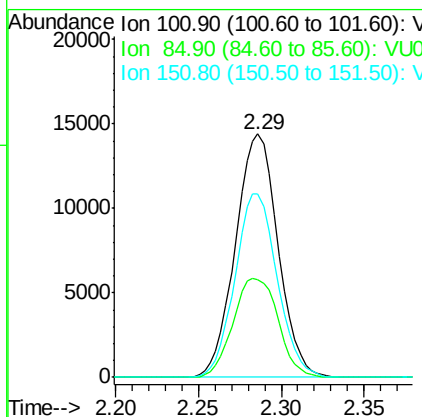
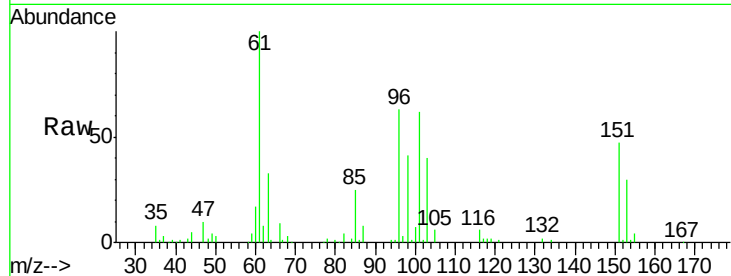
ClientSampleId :

VU0114WBS01

Tot Ion:	101	Resp:	25752
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.1	52.7
151	75.0	60.2	90.2

Manual Integrations
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1/15/2019 11:29:35 AM



#10

Methyl Iodide

Concen: 18.478 ug/l

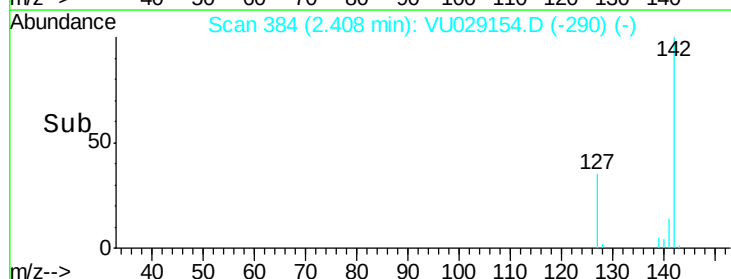
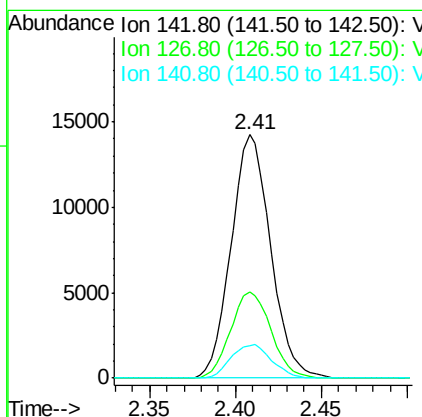
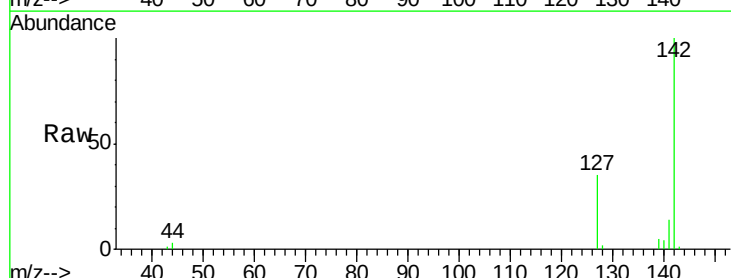
RT: 2.41 min Scan# 384

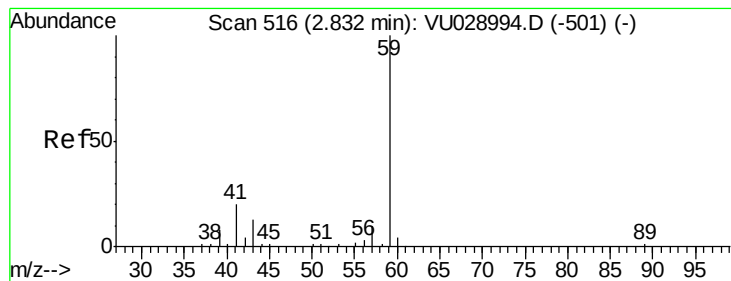
Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion:	142	Resp:	22710
Ion Ratio	Lower	Upper	
142	100		
127	36.2	29.8	44.6
141	14.1	11.5	17.3





#11

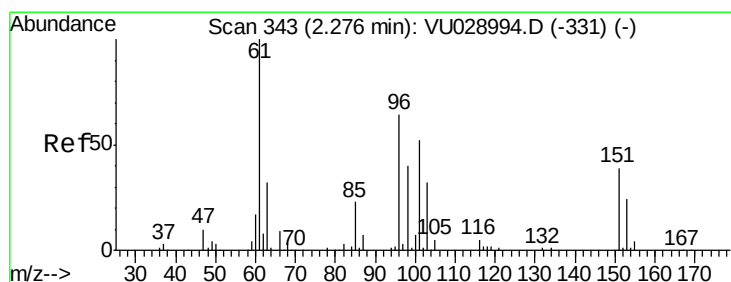
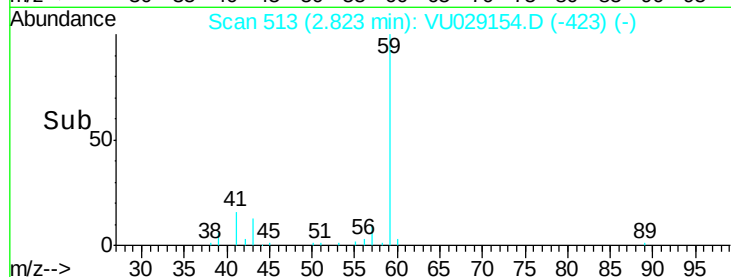
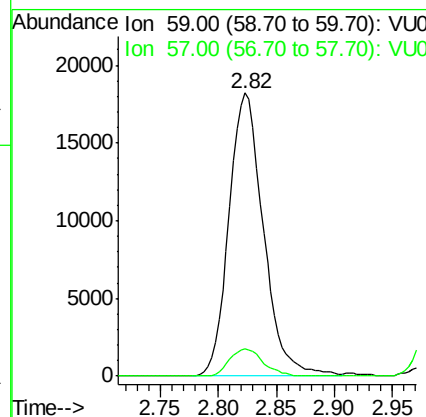
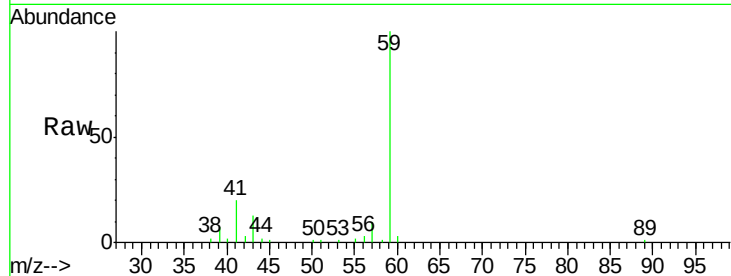
Tert butyl alcohol
 Concen: 97.487 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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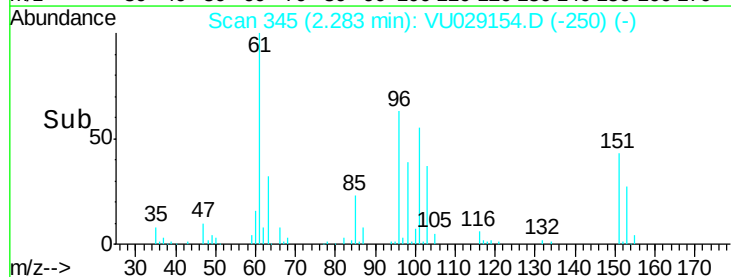
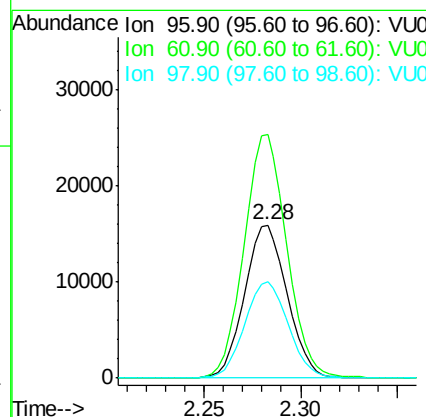
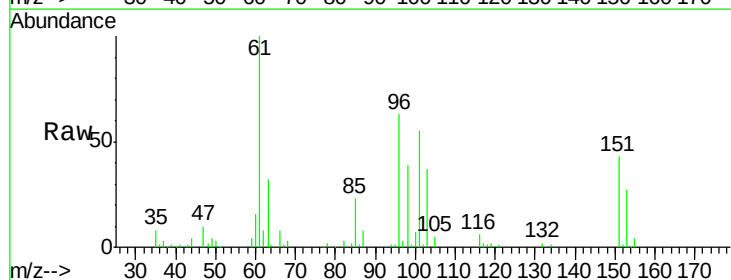
MMDadoda
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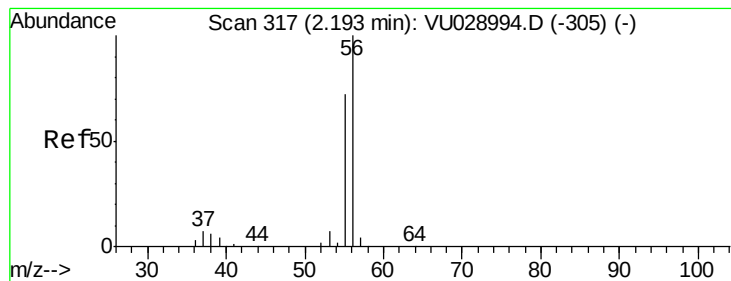


#12

1,1-Dichloroethene
 Concen: 19.104 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.3	125.4	188.0
98	62.7	49.7	74.5





#13

Acrolein

Concen: 89.858 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

VU0114WBS01

Tot Ion: 56 Resp: 26009

Ion Ratio Lower Upper

56 100

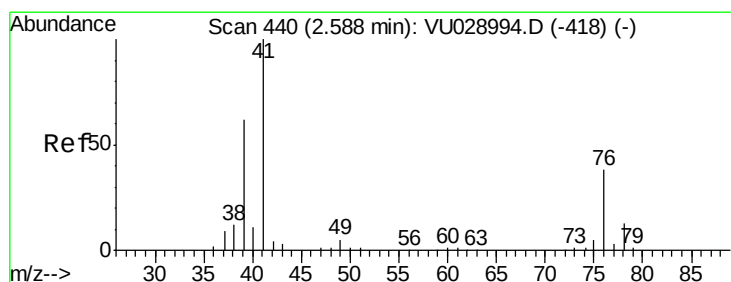
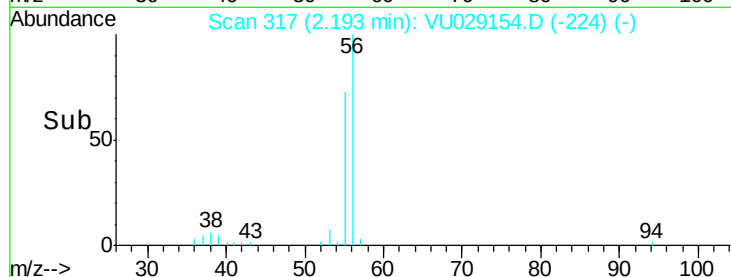
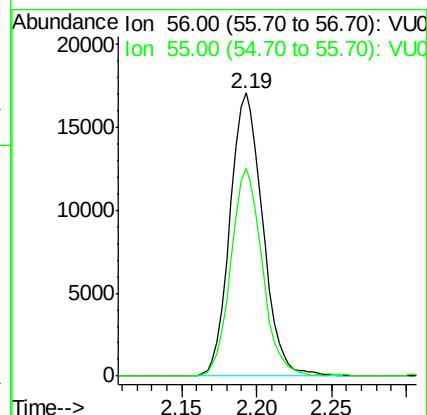
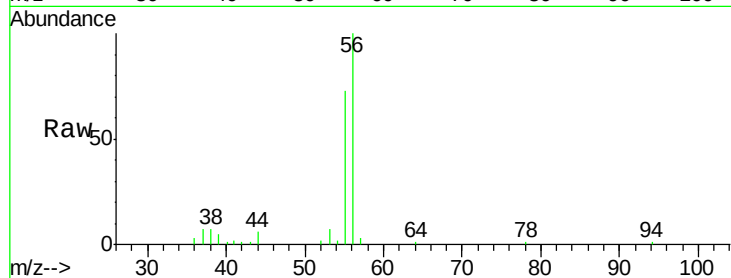
55 70.2 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.019 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

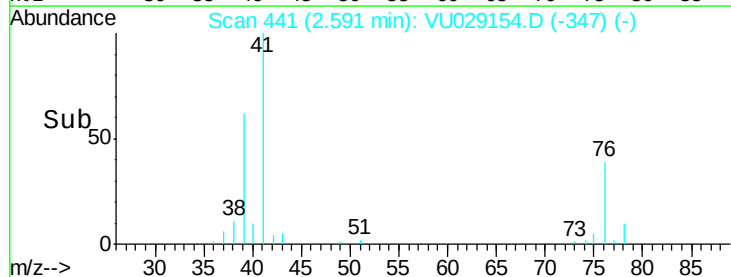
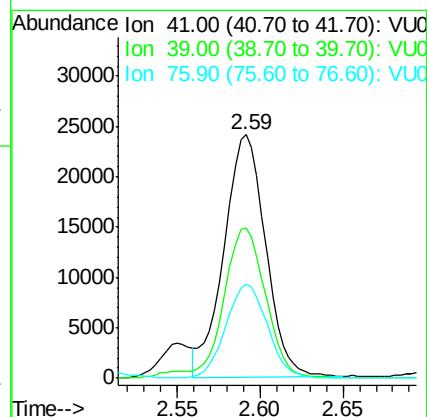
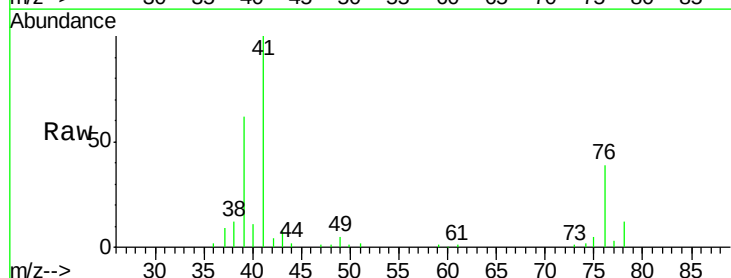
Tgt Ion: 41 Resp: 42064

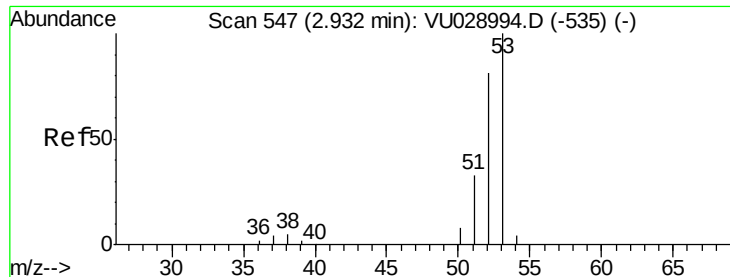
Ion Ratio Lower Upper

41 100

39 63.6 45.0 67.6

76 38.6 28.1 42.1





#15

Acrylonitrile

Concen: 97.210 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

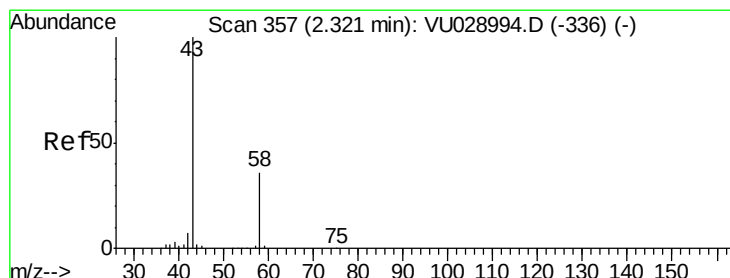
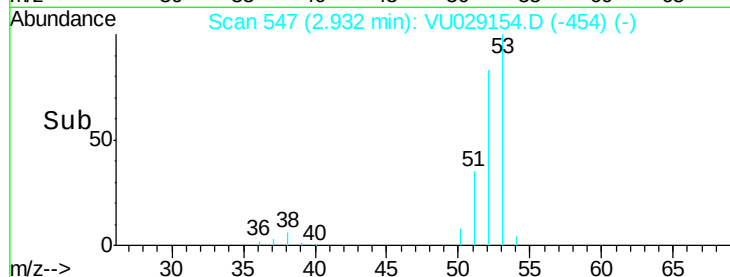
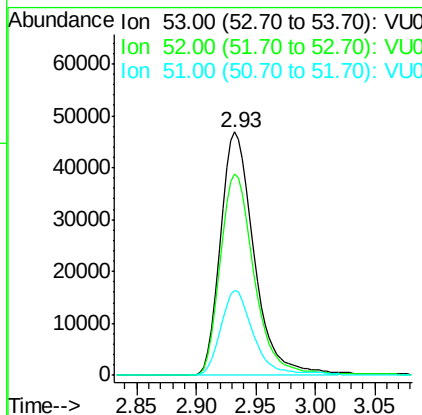
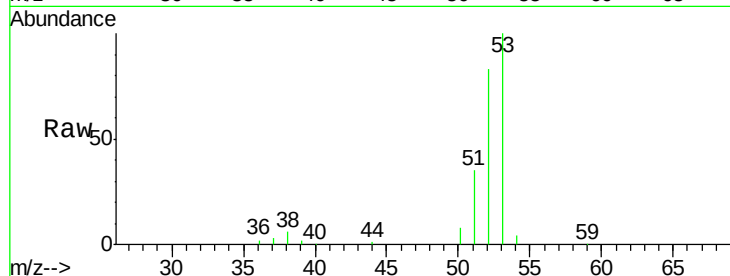
ClientSampleId :

VU0114WBS01

Tot Ion:	53	Resp:	91930
Ion	Ratio	Lower	Upper
53	100		
52	83.3	64.8	97.2
51	34.5	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 101.882 ug/l

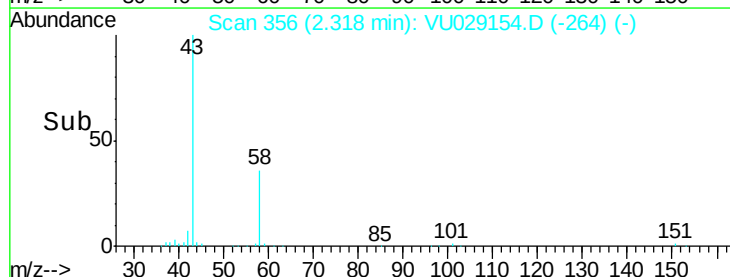
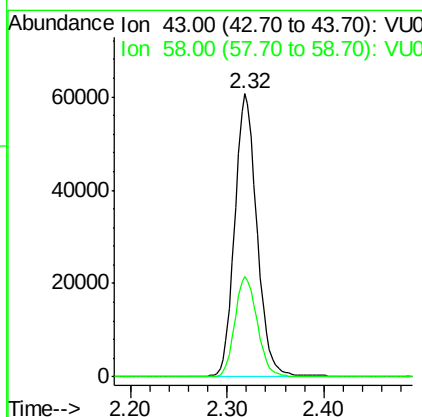
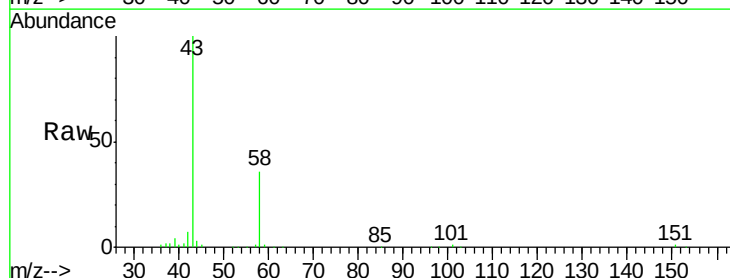
RT: 2.32 min Scan# 356

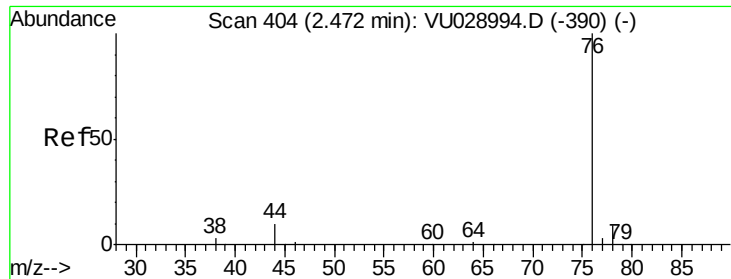
Delta R.T. -0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion:	43	Resp:	97330
Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.6	42.8





#17

Carbon Disulfide

Concen: 17.818 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion: 76 Resp: 76581

Ion Ratio Lower Upper

76 100

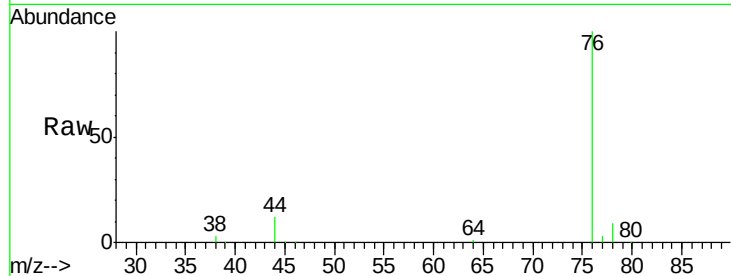
78 9.4 7.2 10.8

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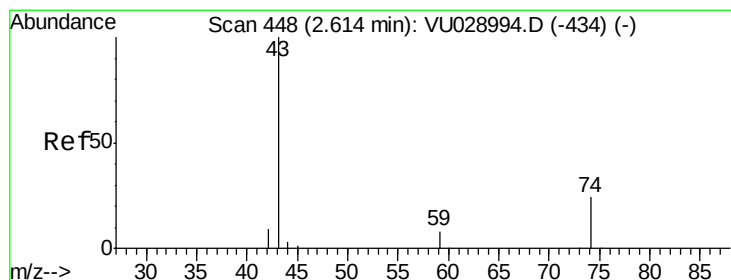
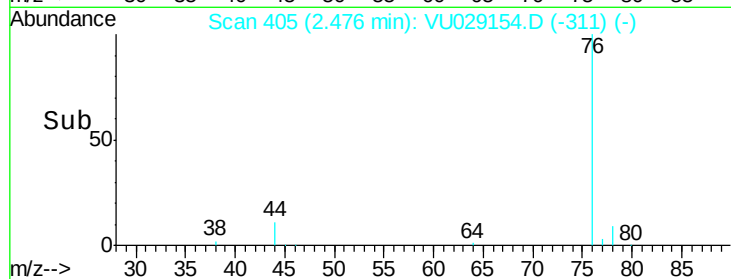
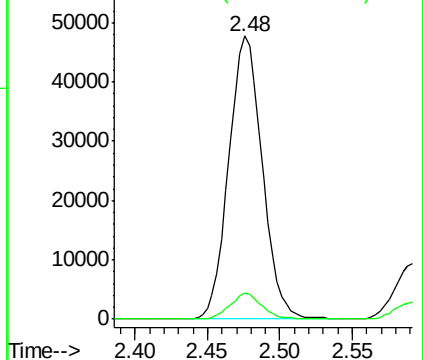
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 20.629 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029154.D

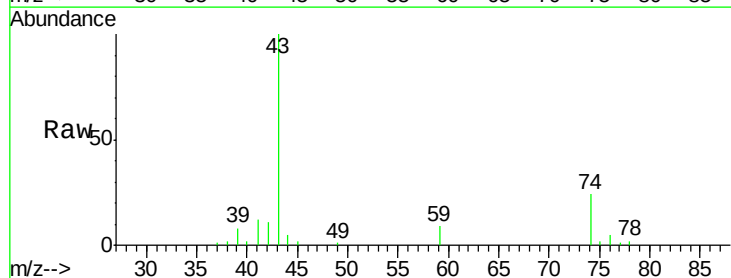
Acq: 14 Jan 2019 10:34

Tgt Ion: 43 Resp: 45822

Ion Ratio Lower Upper

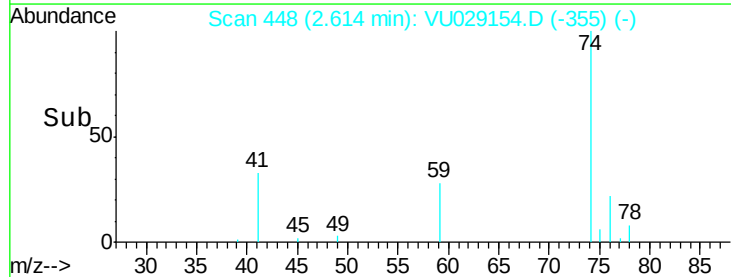
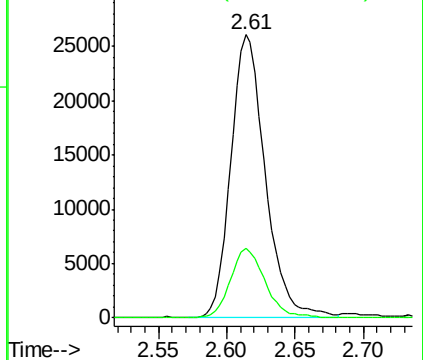
43 100

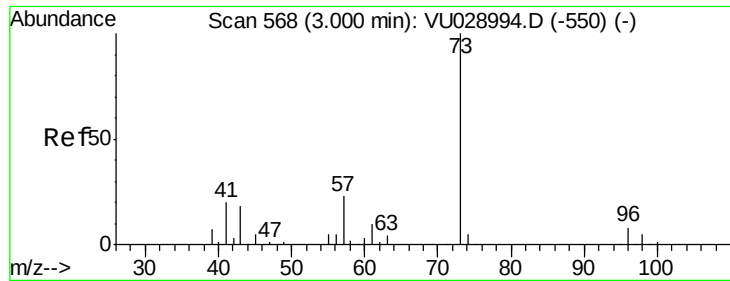
74 24.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





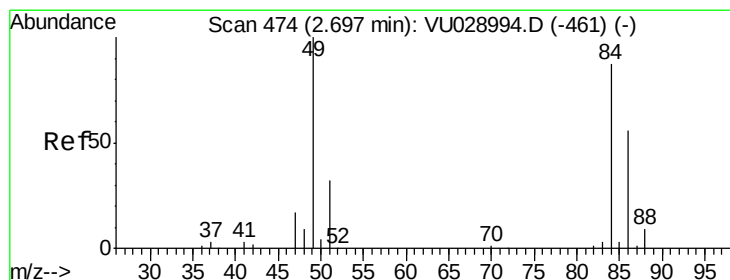
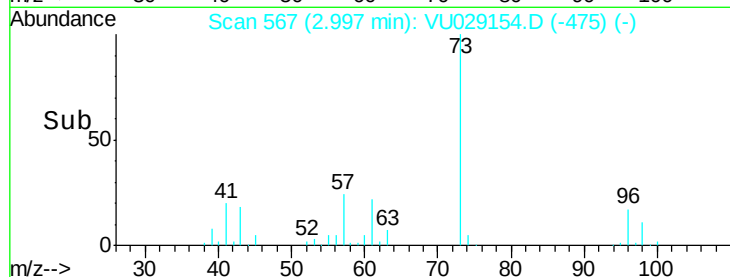
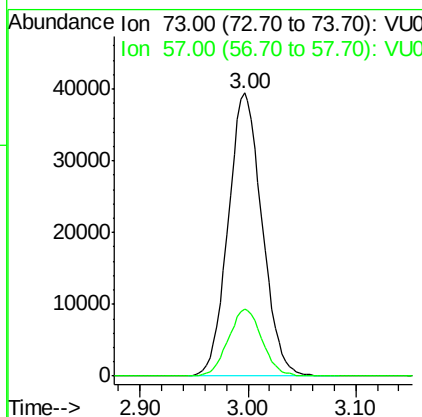
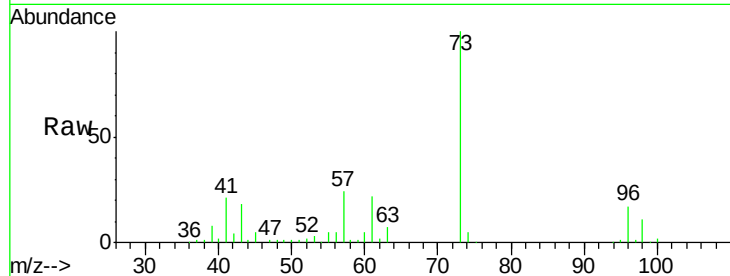
#19
Methyl tert-butyl Ether
Concen: 19.296 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion: 73 Resp: 86314
Ion Ratio Lower Upper
73 100
57 23.6 18.6 28.0

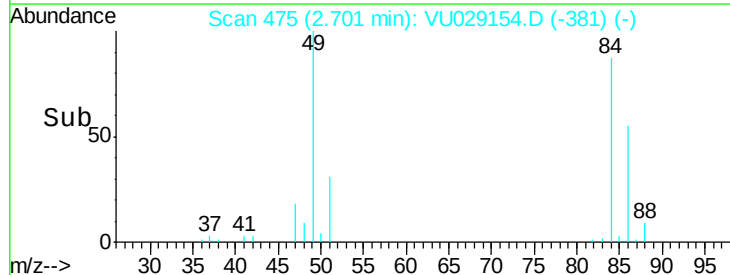
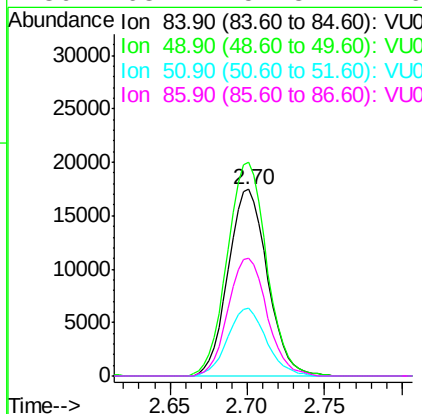
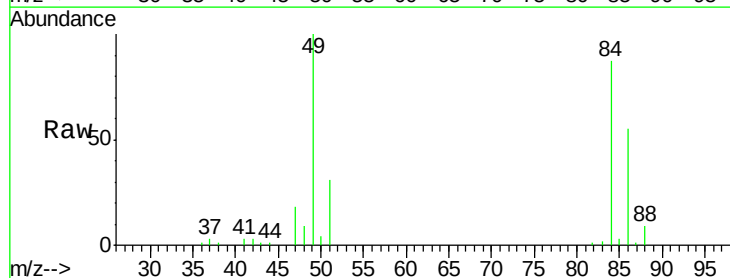
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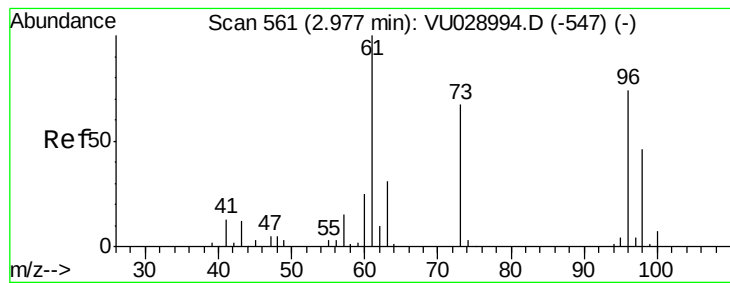
MMDadoda
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#20
Methylene Chloride
Concen: 19.036 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 84 Resp: 30876
Ion Ratio Lower Upper
84 100
49 114.3 91.9 137.9
51 36.0 29.2 43.8
86 63.2 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 18.493 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampled :

VU0114WBS01

Tot Ion: 96 Resp: 27336

Ion Ratio Lower Upper

96 100

61 140.8 107.7 161.5

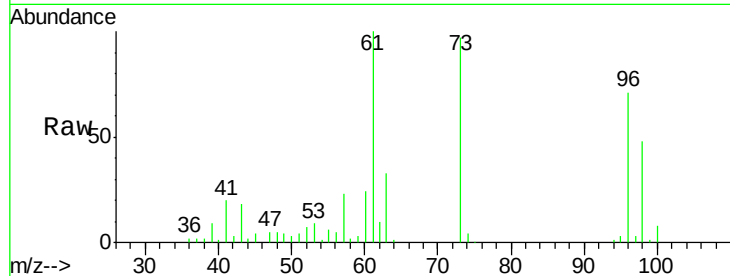
98 66.9 49.2 73.8

Manual Integrations

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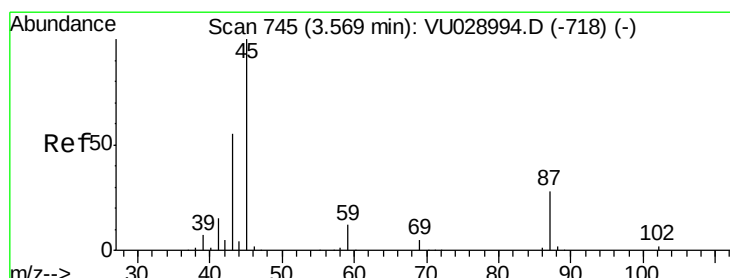
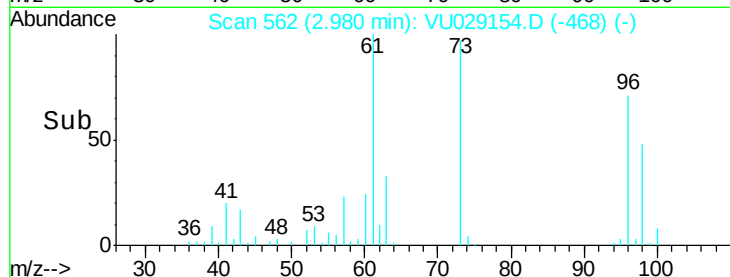
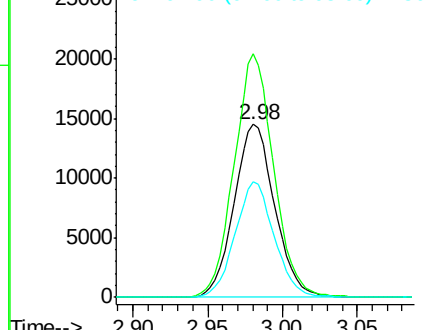
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Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.989 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion: 45 Resp: 92223

Ion Ratio Lower Upper

45 100

43 60.8 44.7 67.1

87 28.4 22.2 33.2

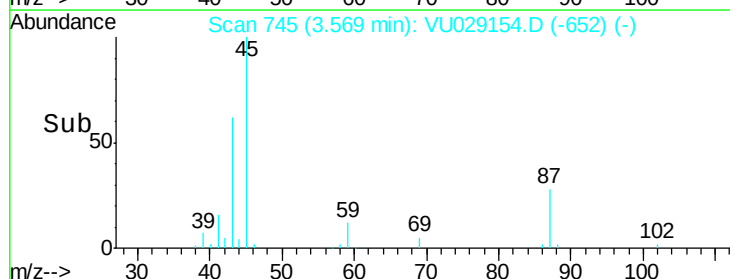
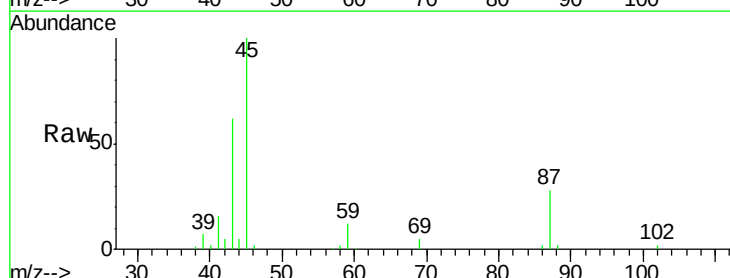
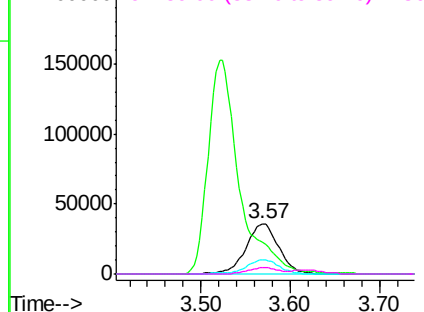
59 11.8 9.8 14.8

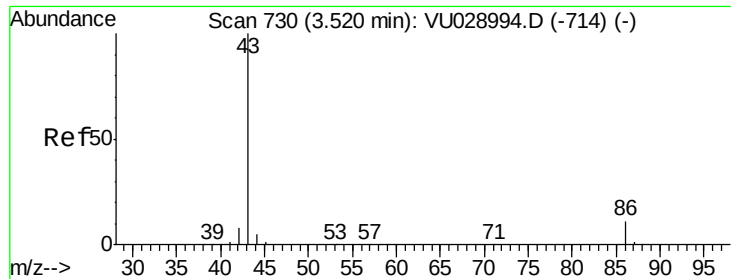
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 98.769 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tot Ion: 43 Resp: 372534

Ion Ratio Lower Upper

43 100

86 10.5 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

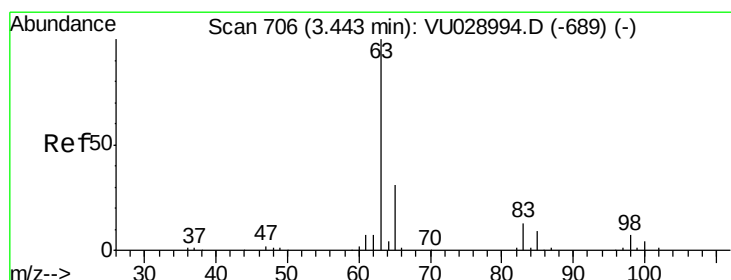
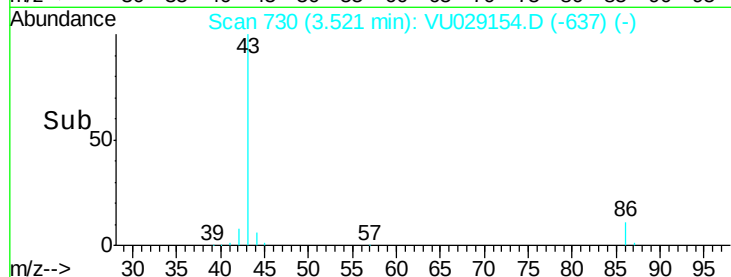
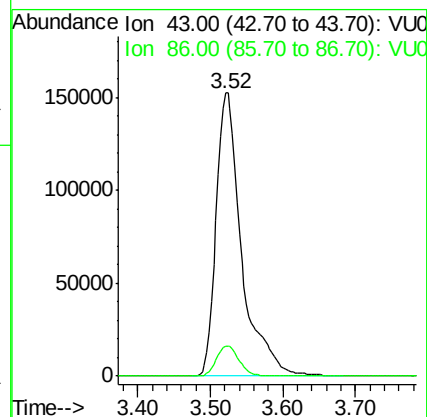
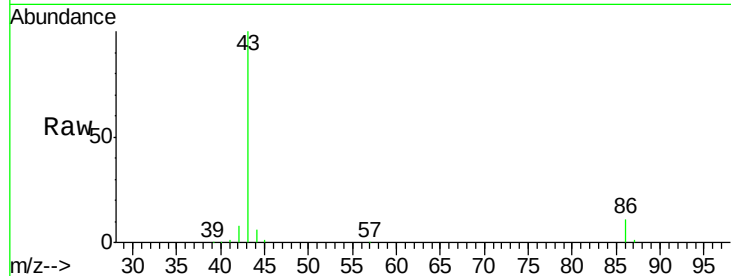
VU0114WBS01

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#24

1,1-Dichloroethane

Concen: 19.990 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

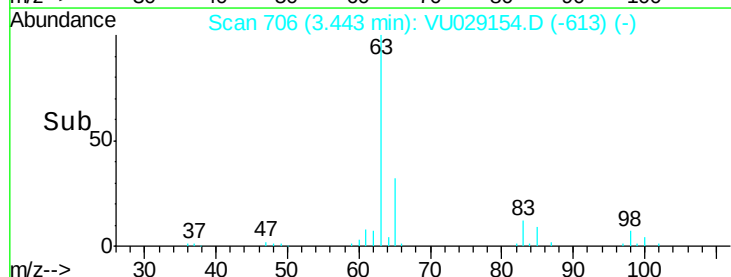
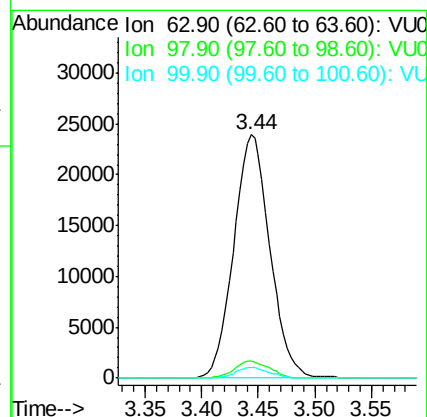
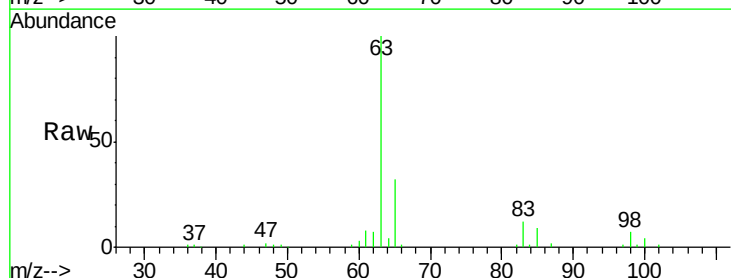
Tgt Ion: 63 Resp: 53242

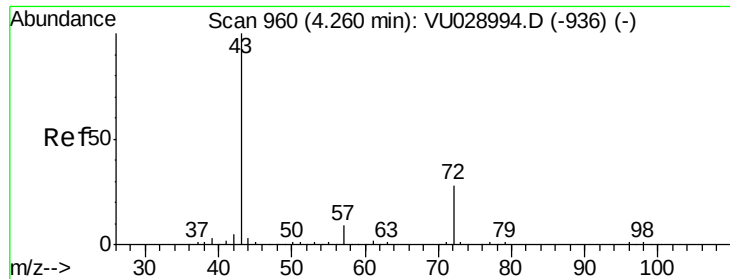
Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.4 2.0 5.8





#25

2-Butanone

Concen: 101.805 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion: 43 Resp: 131359

Ion Ratio Lower Upper

43 100

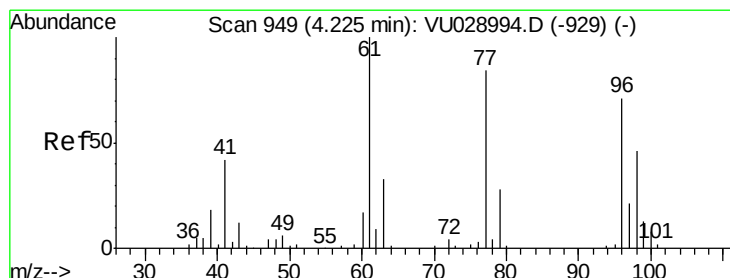
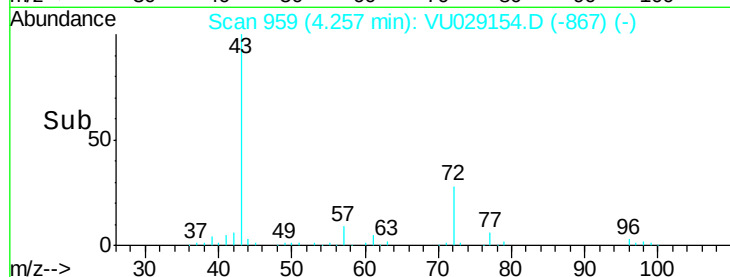
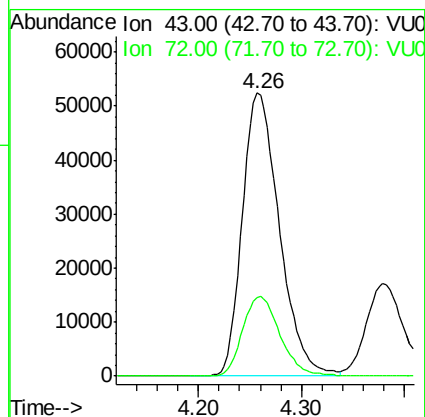
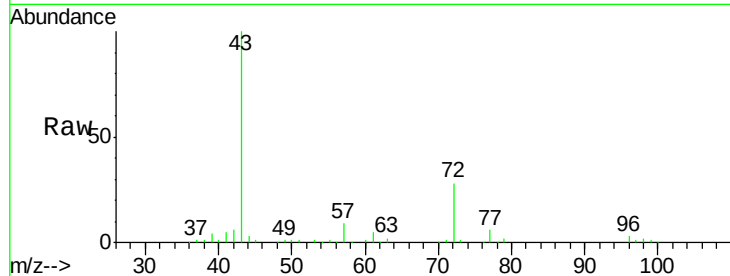
72 27.9 22.6 33.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.420 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029154.D

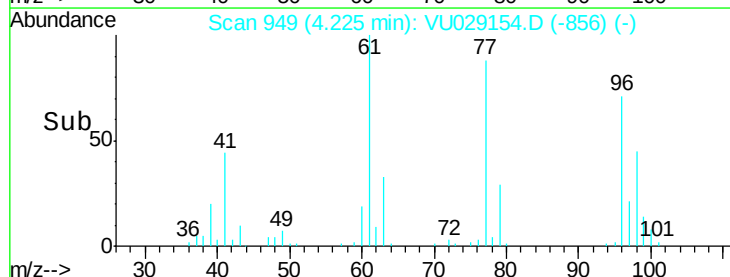
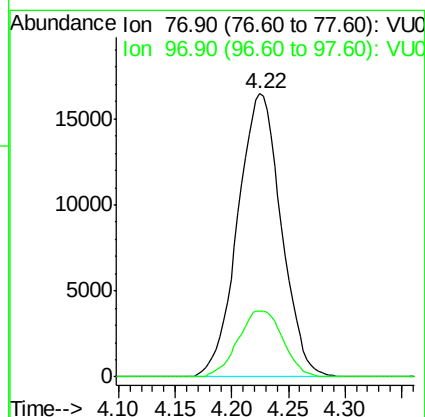
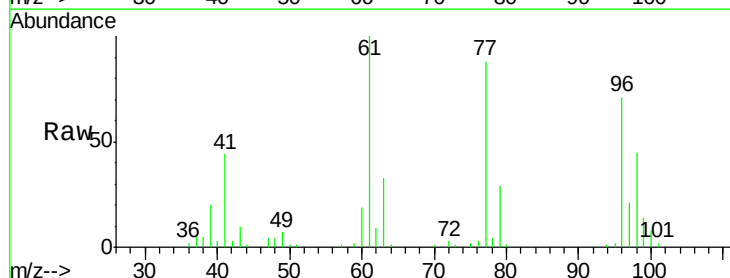
Acq: 14 Jan 2019 10:34

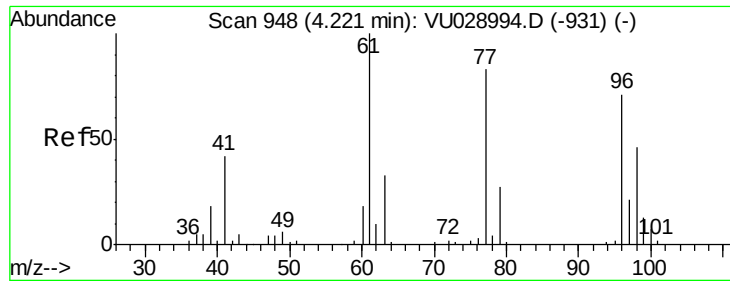
Tgt Ion: 77 Resp: 43945

Ion Ratio Lower Upper

77 100

97 24.0 12.0 36.1





#27

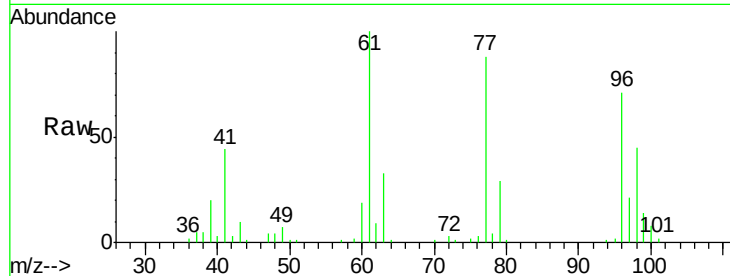
cis-1,2-Dichloroethene
Concen: 19.767 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampled :
VU0114WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31958		
61	144.2	0.0	285.6	
98	63.8	0.0	130.2	

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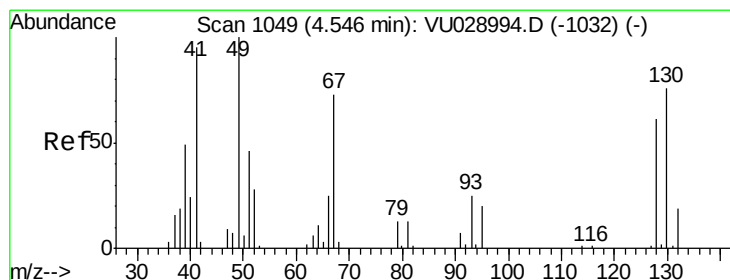
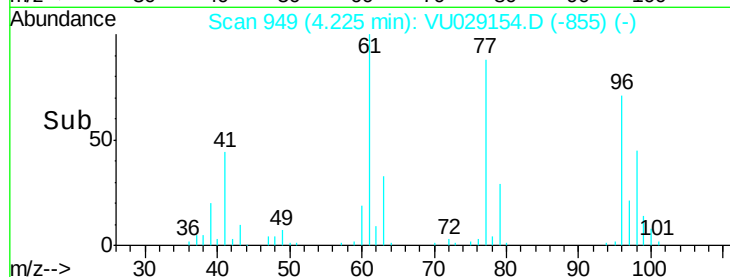
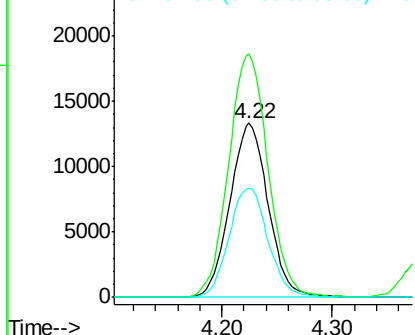


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

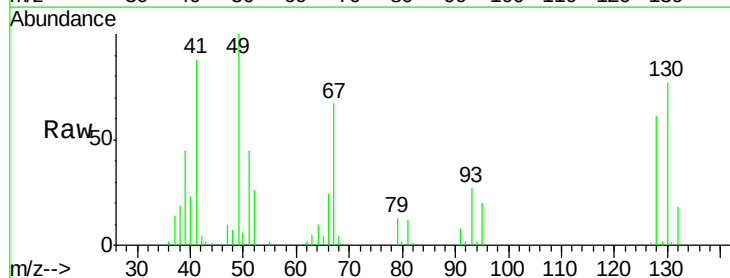
Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane
Concen: 21.803 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24865		
129	1.3	0.0	3.4	
130	77.8	62.9	94.3	

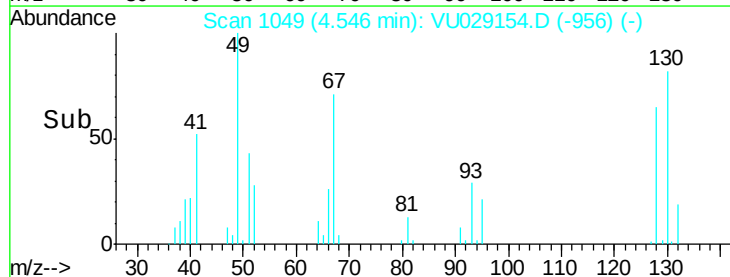
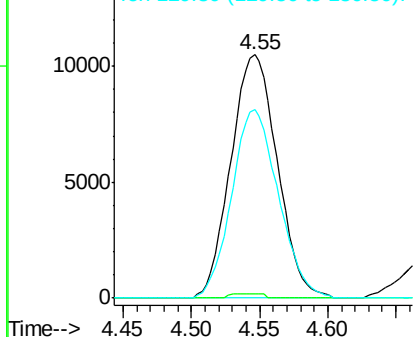


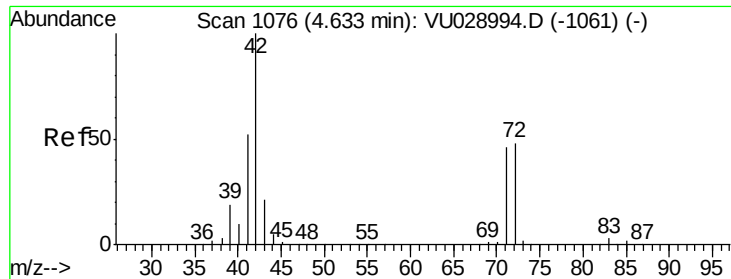
Abundance

Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





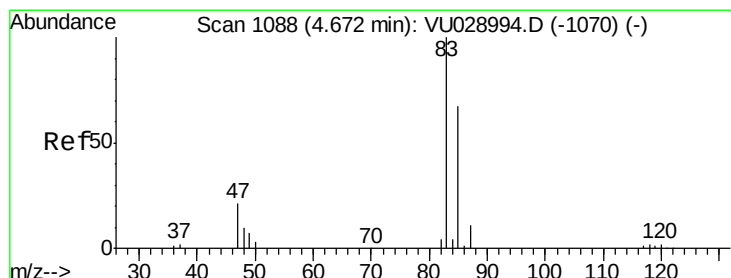
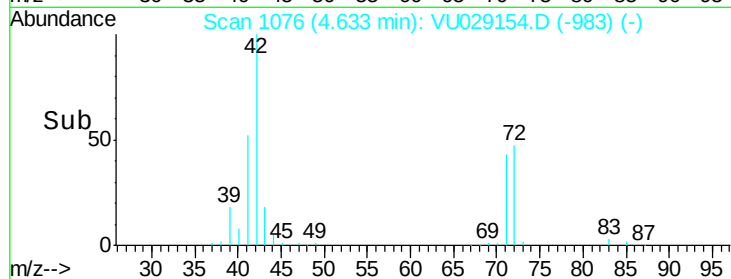
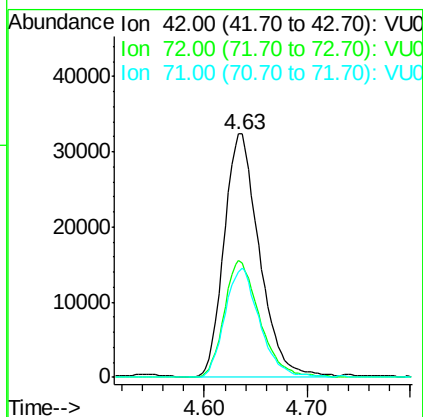
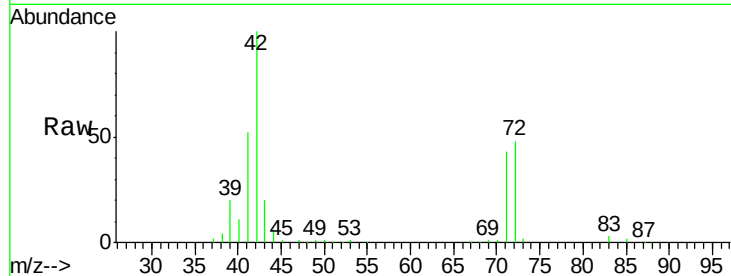
#29
Tetrahydrofuran
Concen: 99.078 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	38.3	57.5
71	44.0	36.1	54.1

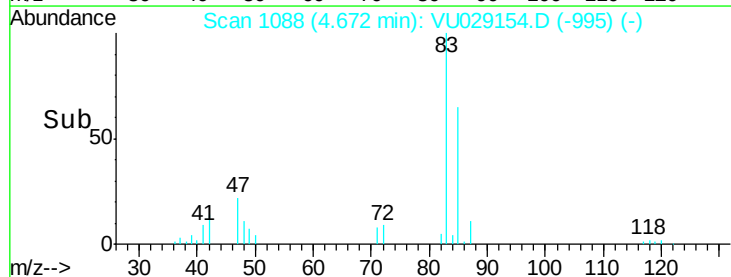
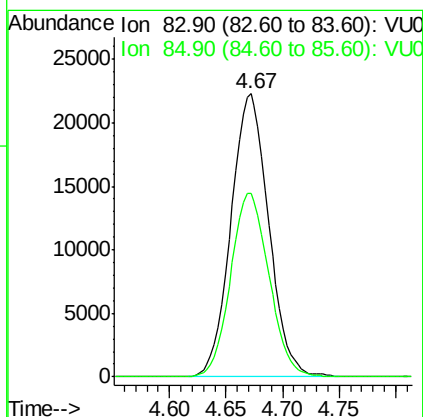
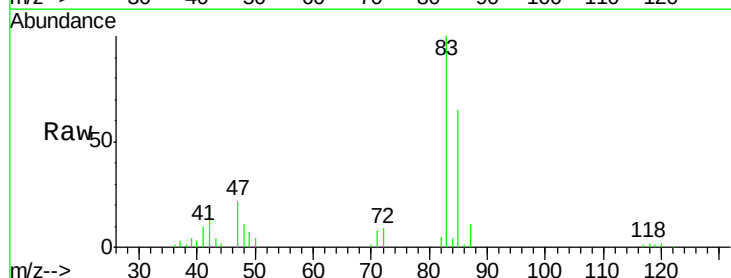
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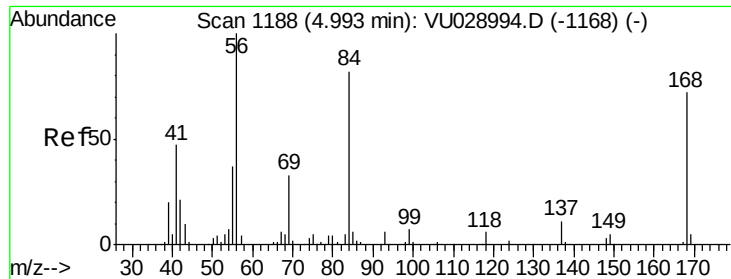
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#30
Chloroform
Concen: 20.382 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.0





#31

Cyclohexane

Concen: 19.152 ug/l

RT: 4.99 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

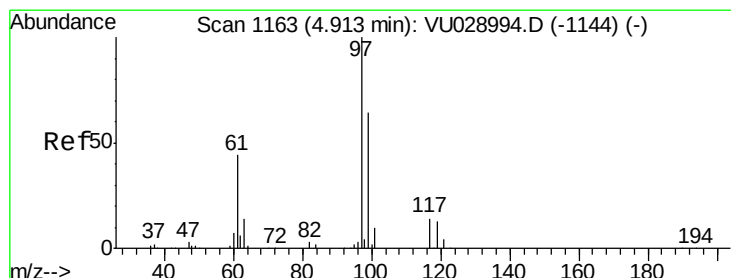
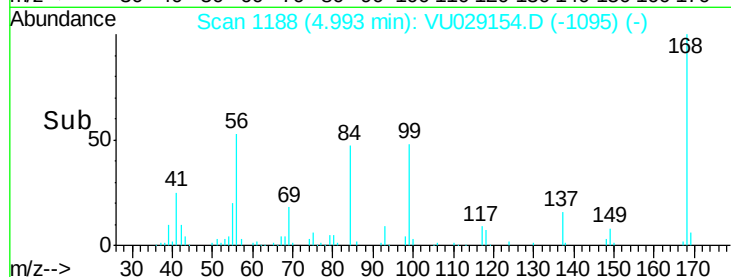
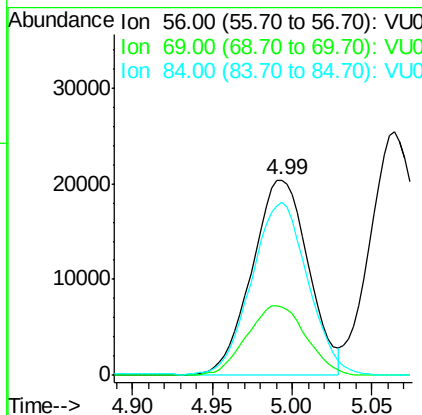
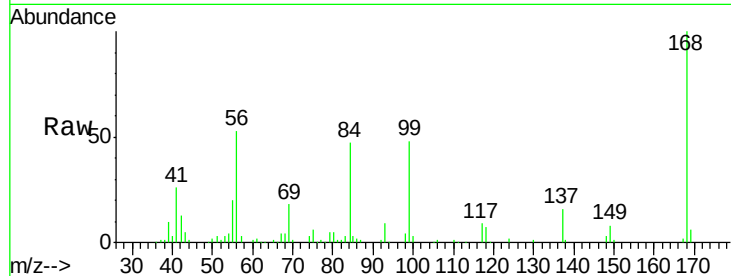
ClientSampleId :

VU0114WBS01

Tot Ion:	56	Resp:	49893
Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.7	40.1
84	88.1	65.7	98.5

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#32

1,1,1-Trichloroethane

Concen: 20.001 ug/l

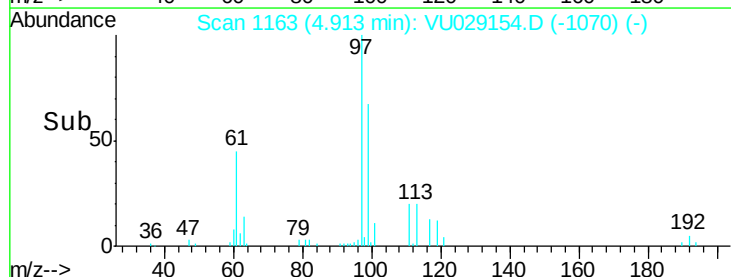
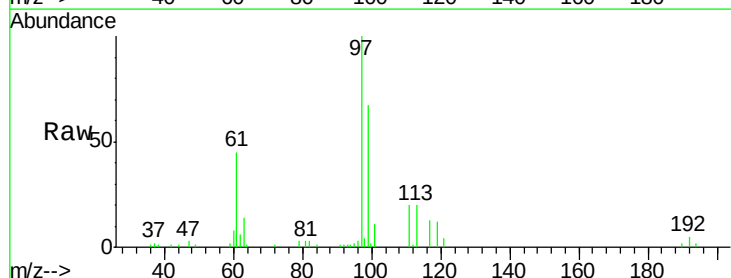
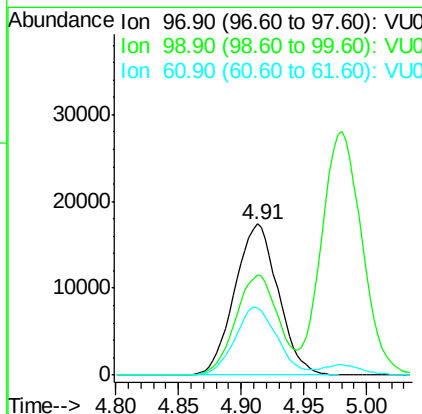
RT: 4.91 min Scan# 1163

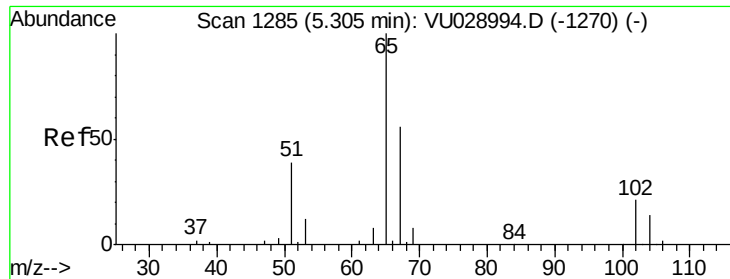
Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion:	97	Resp:	41924
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.0	76.4
61	43.6	34.4	51.6





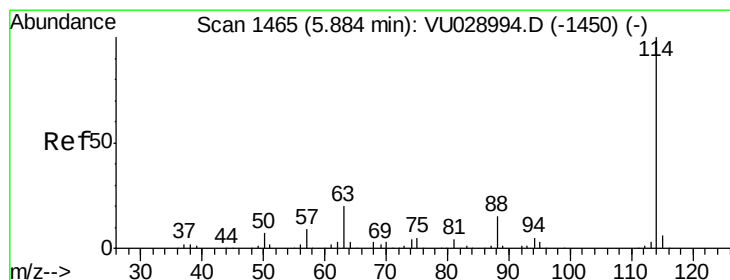
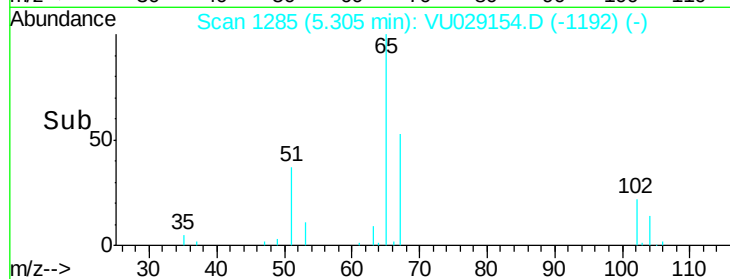
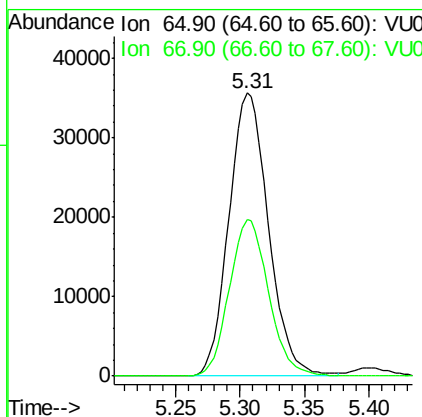
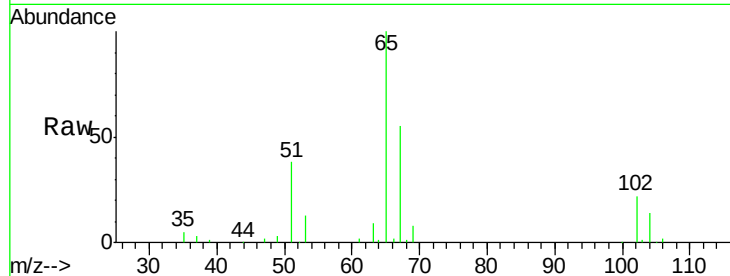
#33
 1,2-Dichloroethane-d4
 Concen: 50.149 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	76050		
67	54.8	0.0	111.0	

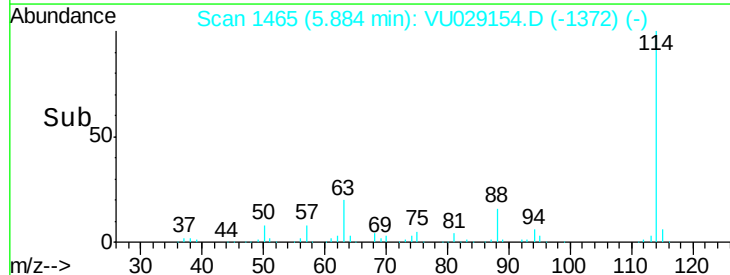
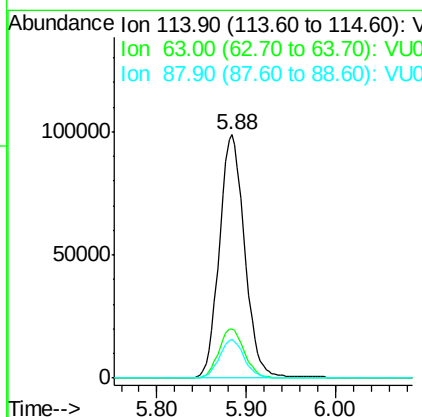
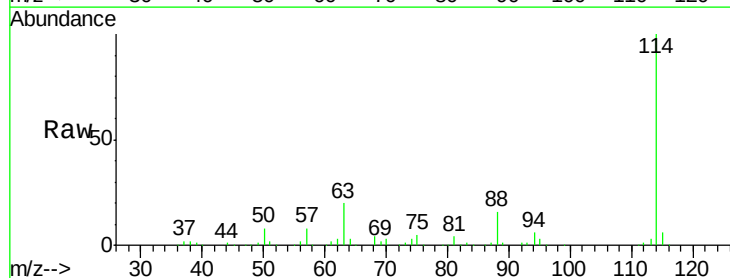
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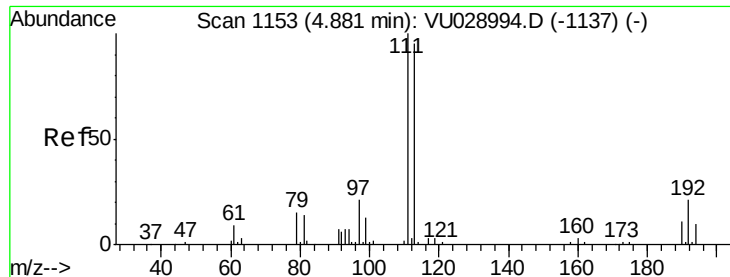
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	194683		
63	20.4	0.0	40.2	
88	15.9	0.0	30.4	





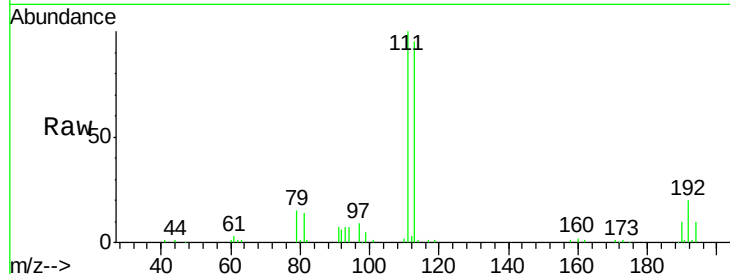
#35
 Dibromofluoromethane
 Concen: 50.838 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

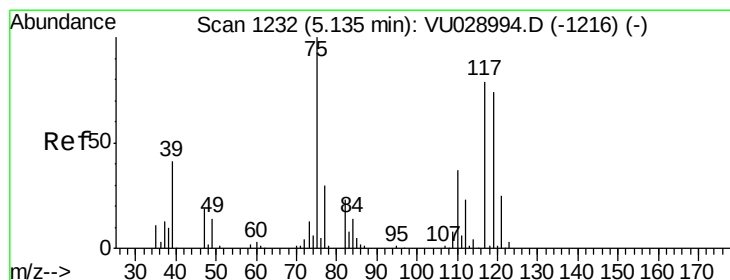
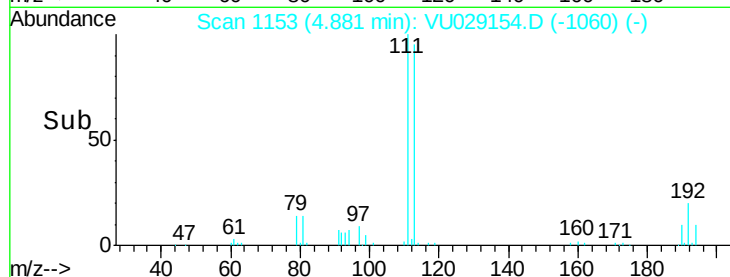
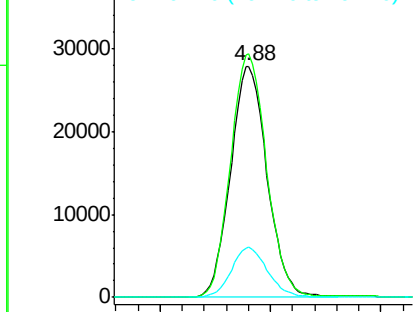
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.2
192	21.3	16.8	25.2

Manual Integrations
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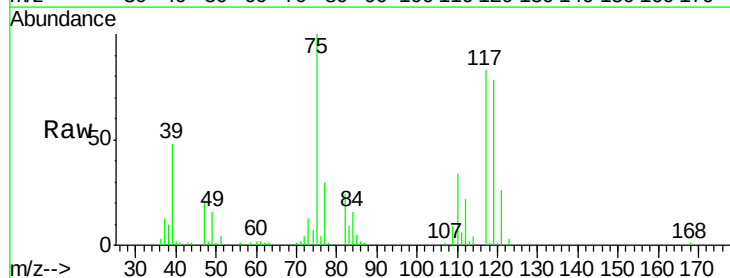


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

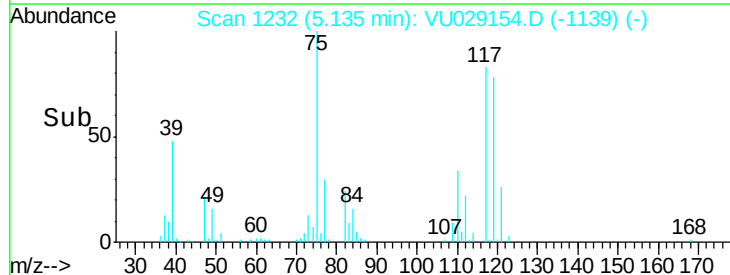
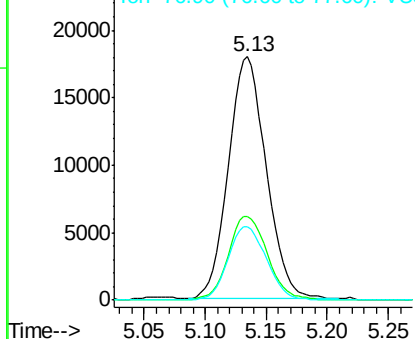


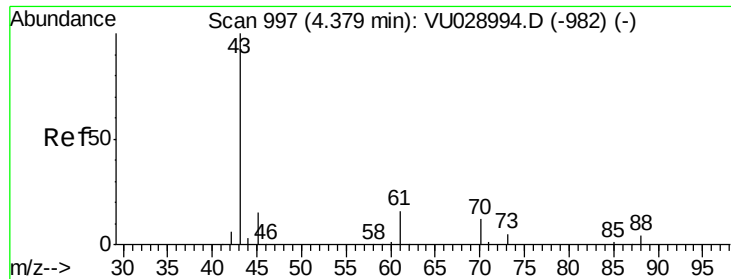
#36
 1,1-Dichloropropene
 Concen: 19.915 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.4	55.4
77	30.7	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





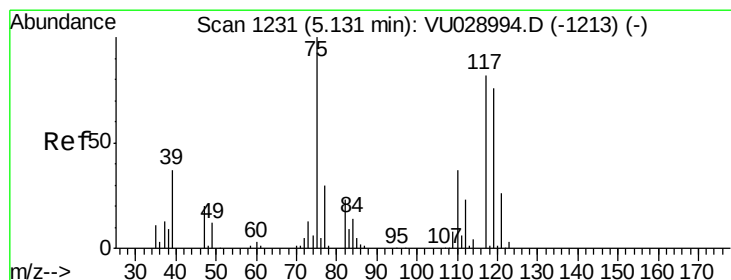
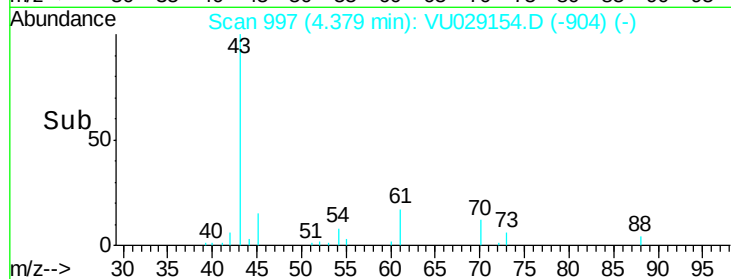
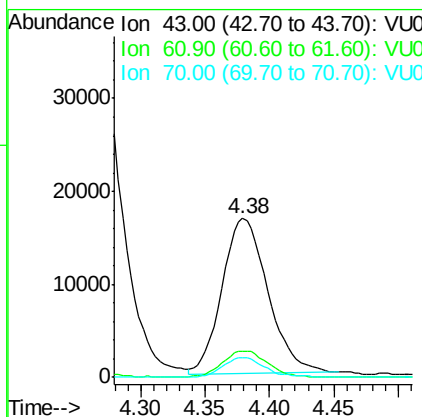
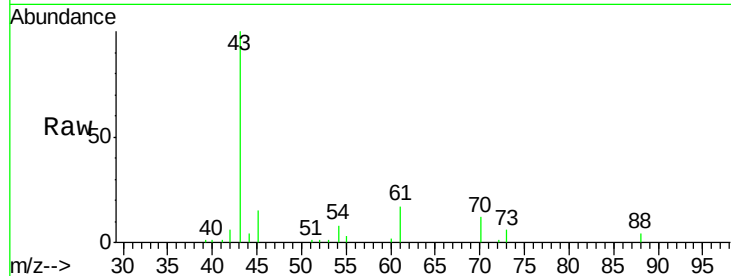
#37
Ethyl Acetate
Concen: 19.393 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.6	18.8
70	11.6	9.3	13.9

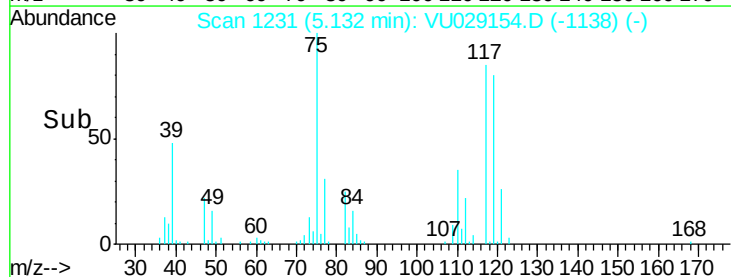
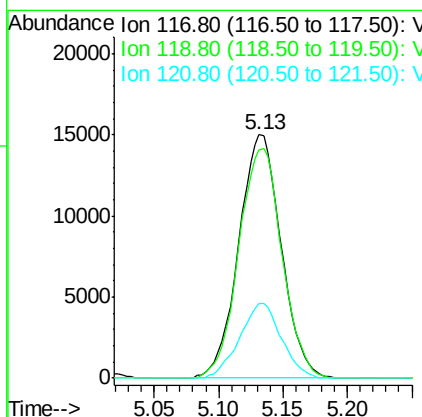
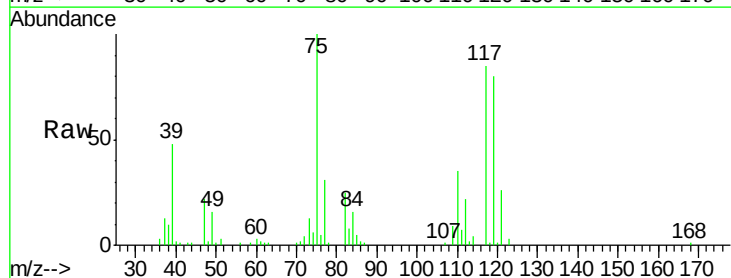
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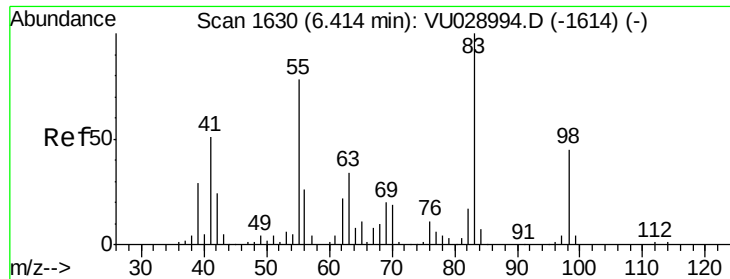
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#38
Carbon Tetrachloride
Concen: 21.190 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	74.6	111.8
121	30.7	25.0	37.6





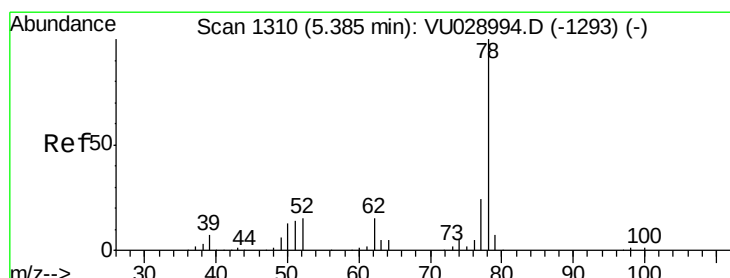
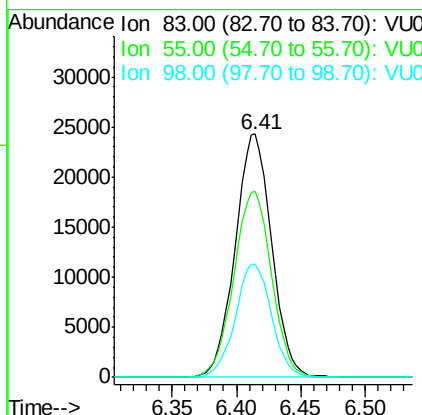
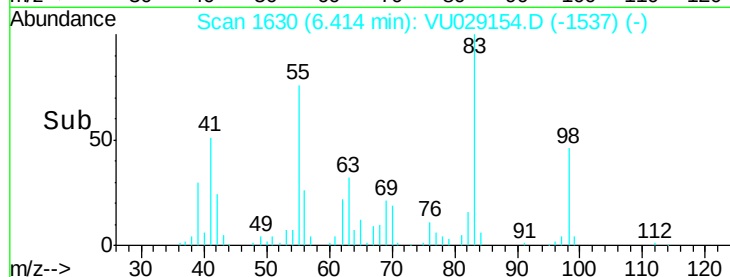
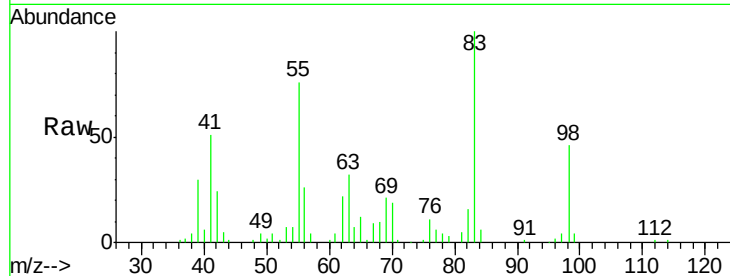
#39
Methylvlcyclohexane
Concen: 19.983 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	83.00	Resp	47805
Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.4	93.6
98	46.3	36.2	54.2

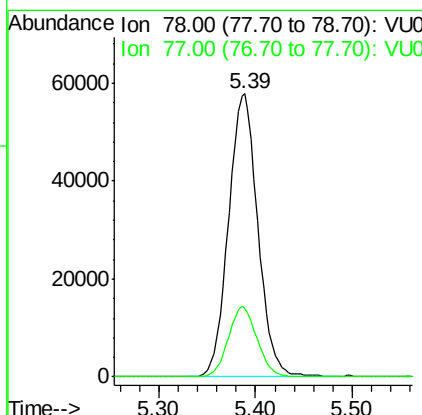
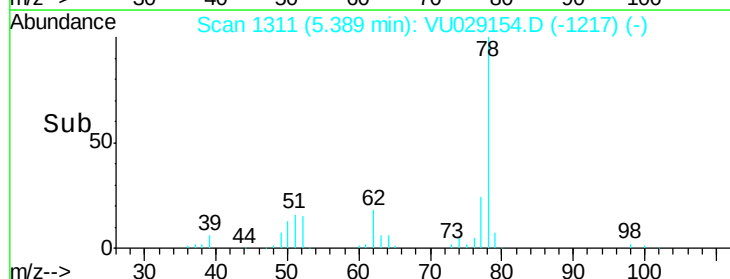
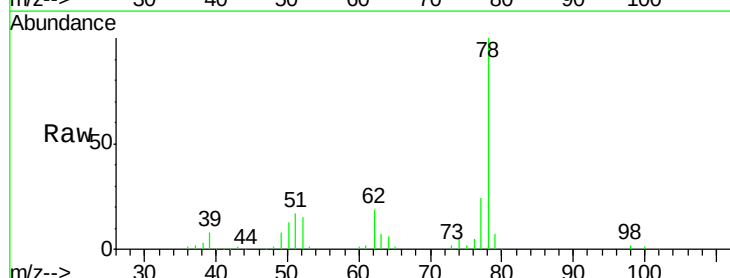
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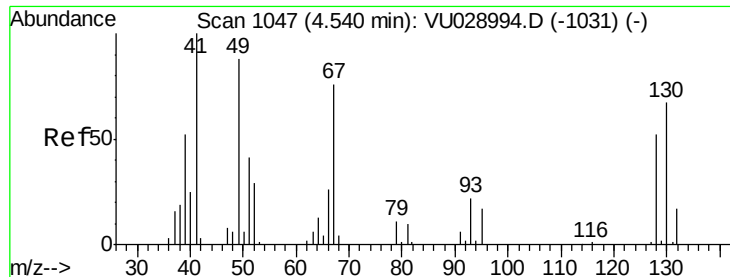
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#40
Benzene
Concen: 20.105 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	78.00	Resp	122037
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.9	28.3





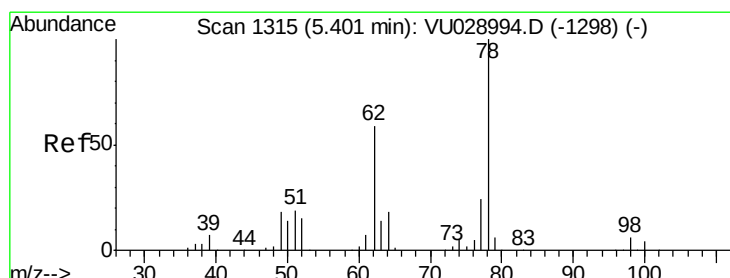
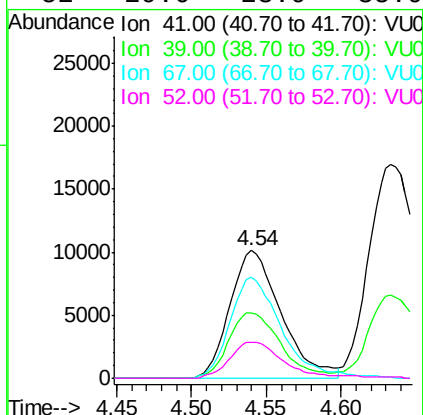
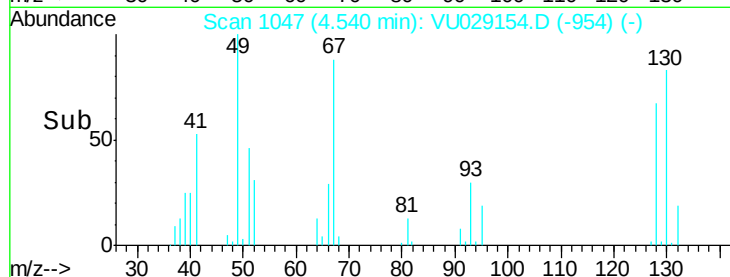
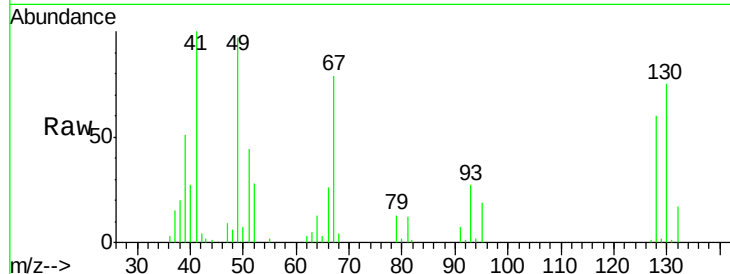
#41
Methacrylonitrile
Concen: 21.067 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.9	42.3	63.5	
67	79.9	64.4	96.6	
52	29.0	23.9	35.9	

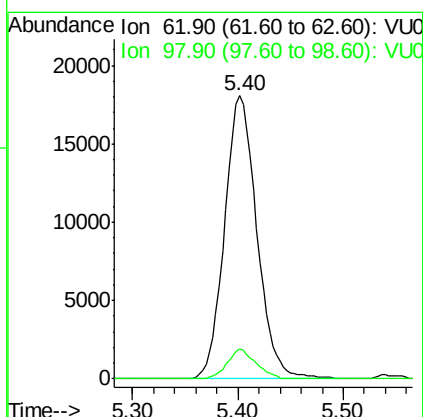
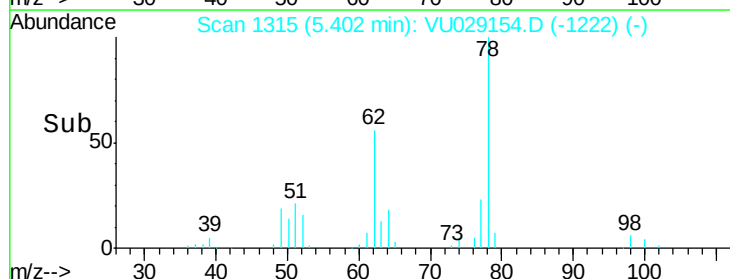
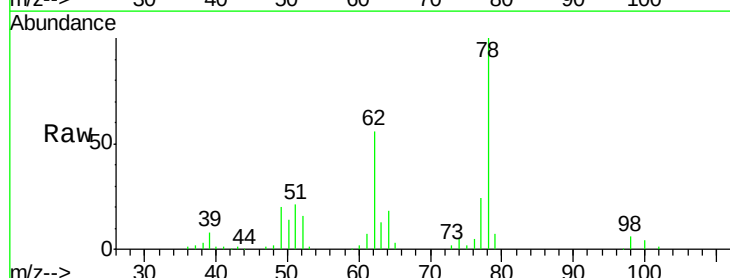
Manual Integrations
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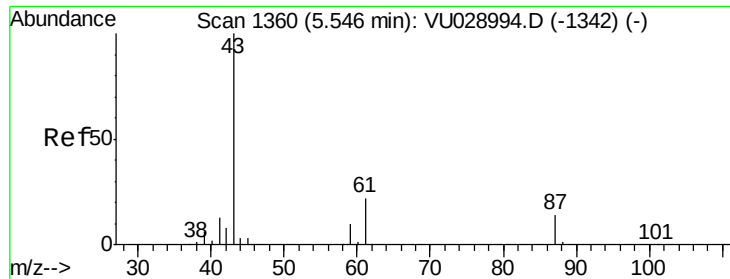
MMDadoda
1/15/2019 11:29:35 AM



#42
1,2-Dichloroethane
Concen: 20.989 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

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





#43

Isopropyl Acetate

Concen: 20.490 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

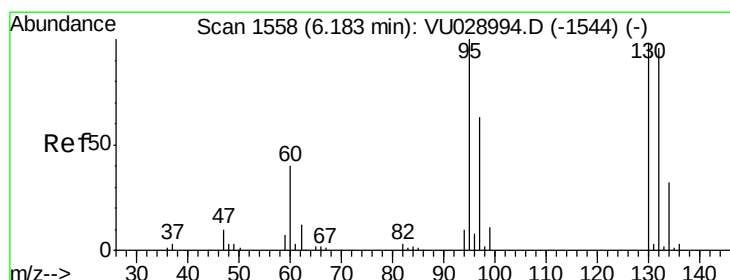
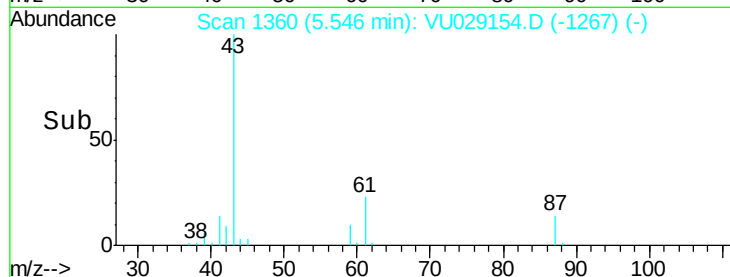
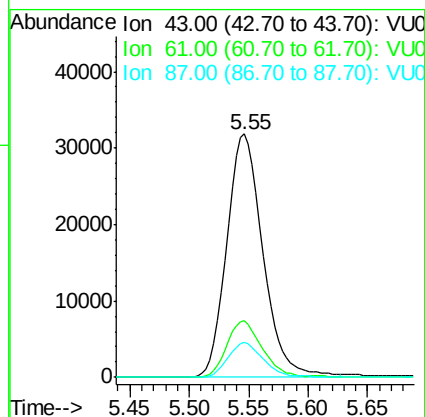
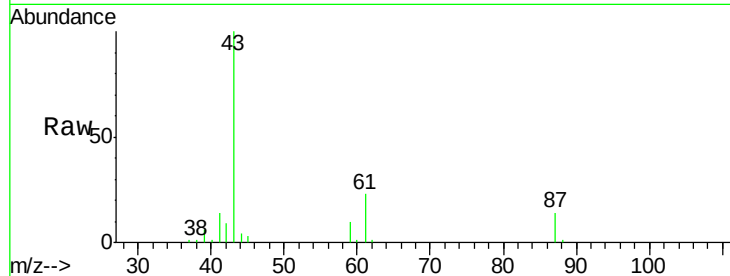
ClientSampleId :

VU0114WBS01

Tot Ion:	43	Resp:	67138
Ion	Ratio	Lower	Upper
43	100		
61	22.5	17.8	26.6
87	13.8	11.3	16.9

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#44

Trichloroethene

Concen: 20.561 ug/l

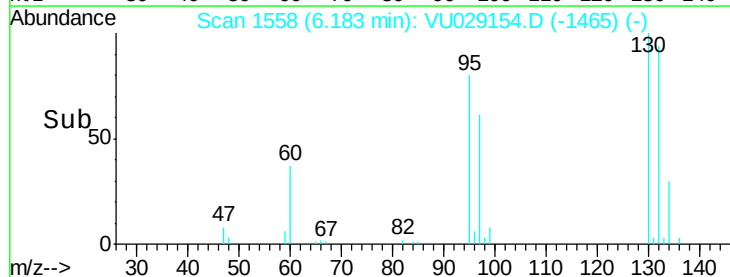
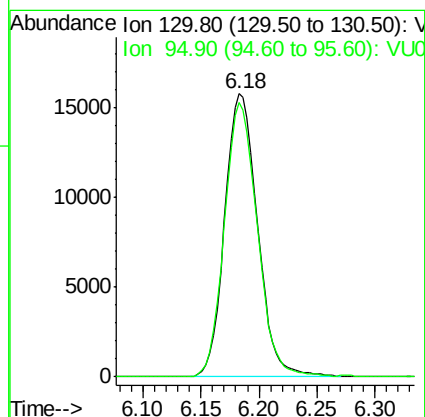
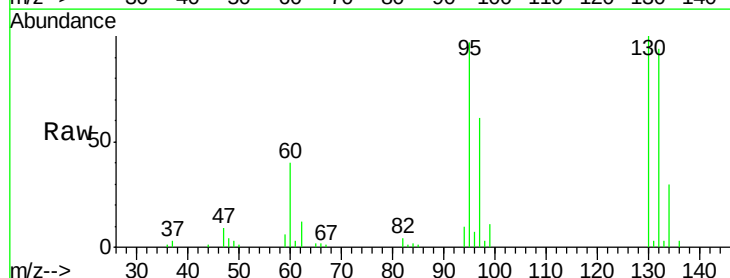
RT: 6.18 min Scan# 1558

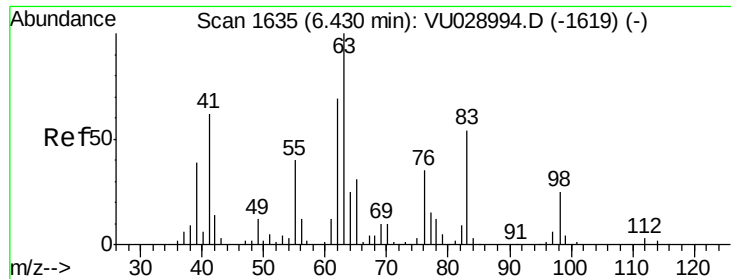
Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion:	130	Resp:	30923
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	205.0





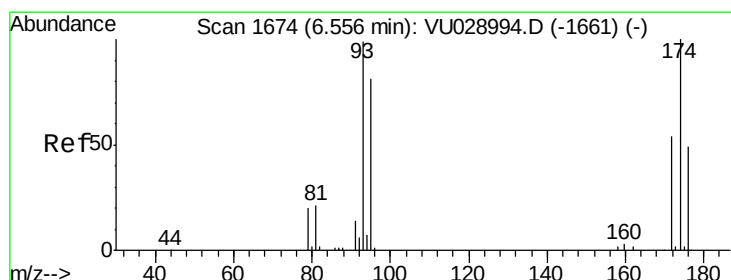
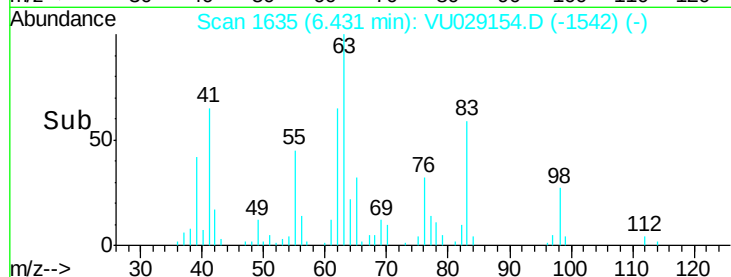
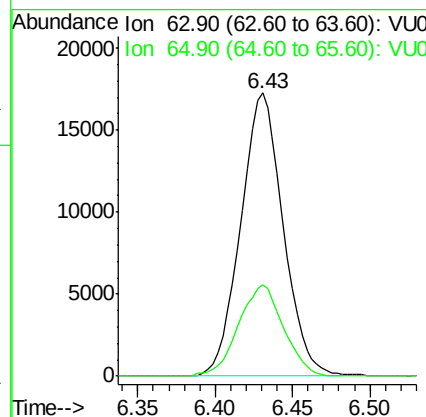
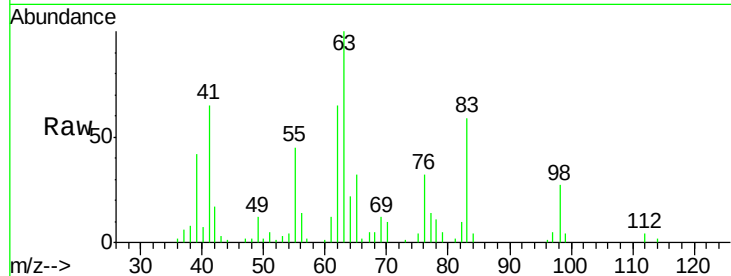
#45
 1,2-Dichloropropane
 Concen: 20.552 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion: 63 Resp: 32944
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.1 37.7

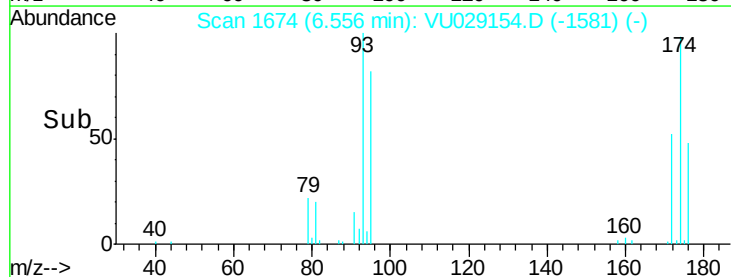
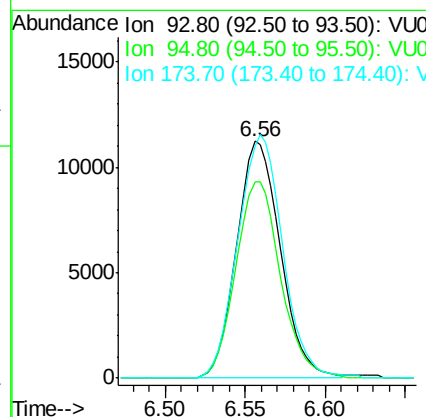
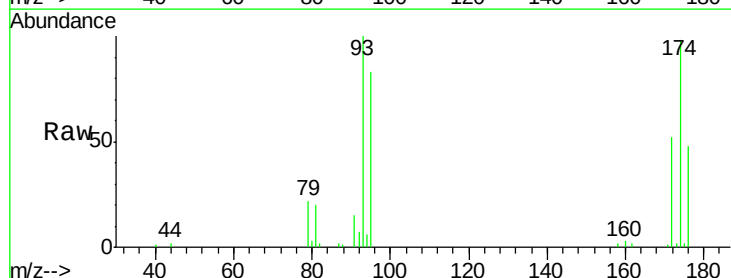
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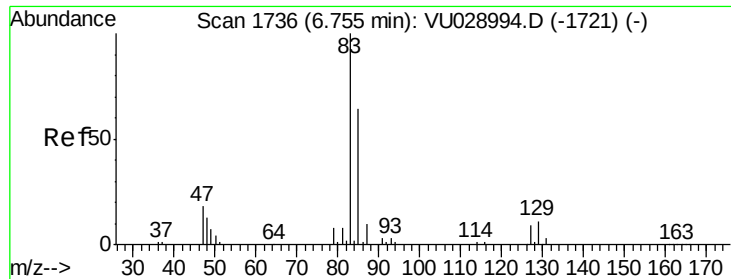
MMDadoda
 1/15/2019 11:29:35 AM



#46
 Dibromomethane
 Concen: 20.489 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion: 93 Resp: 20995
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.2 100.8
 174 105.7 82.6 123.8





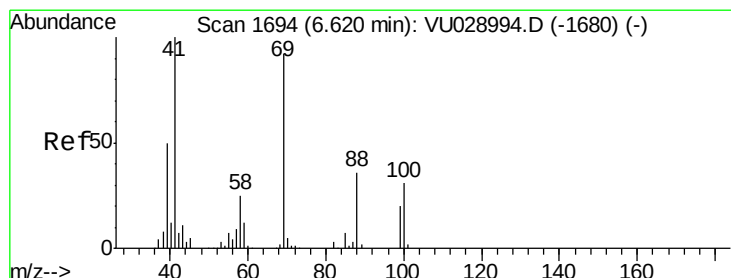
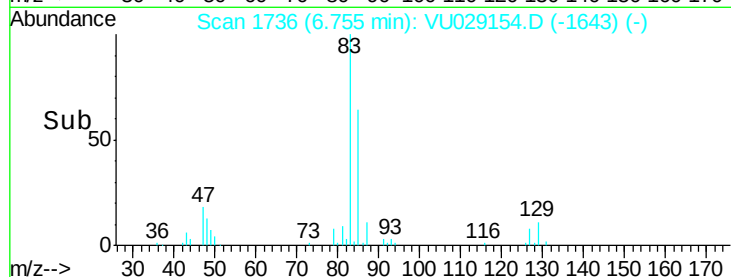
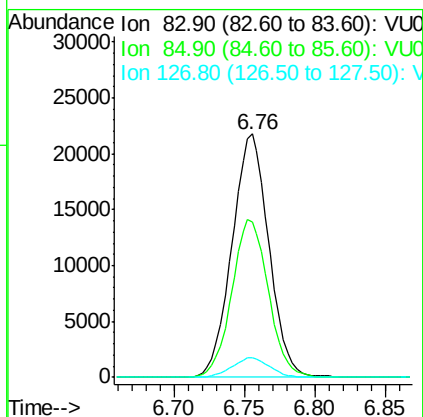
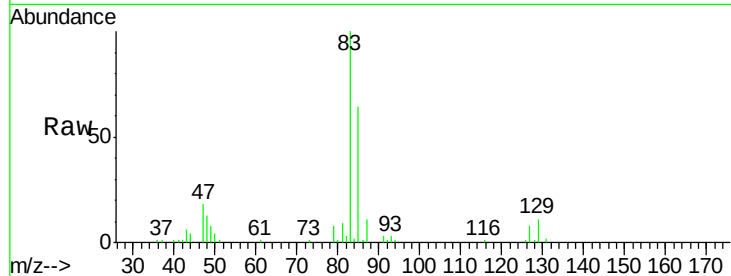
#47
Bromodichloromethane
Concen: 21.066 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	83	Resp	39744
Ion Ratio	100	Lower	Upper
83	100		
85	63.8	51.4	77.2
127	8.2	7.0	10.4

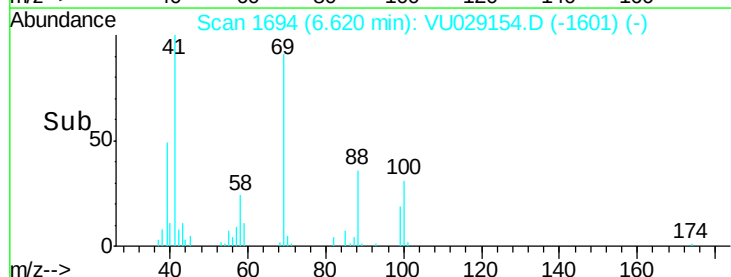
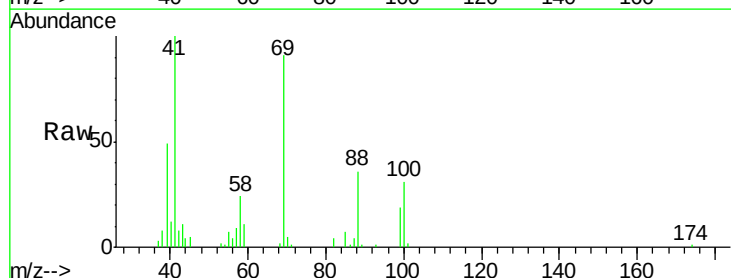
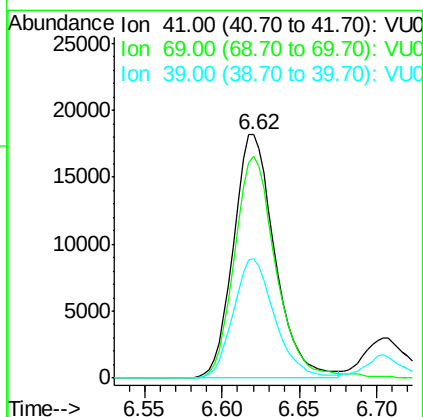
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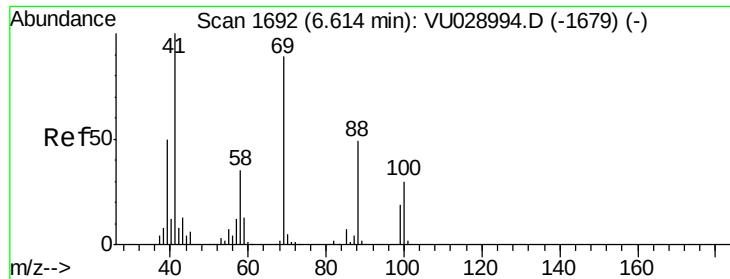
MMDadoda
1/15/2019 11:29:35 AM



#48
Methyl methacrylate
Concen: 21.207 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	41	Resp	33835
Ion Ratio	100	Lower	Upper
41	100		
69	90.4	73.6	110.4
39	48.8	39.6	59.4





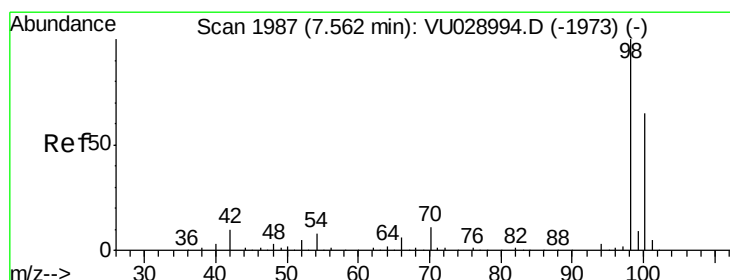
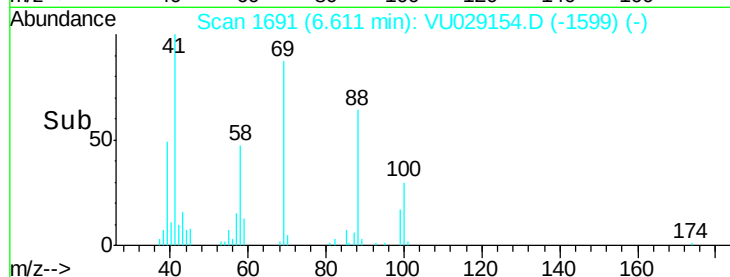
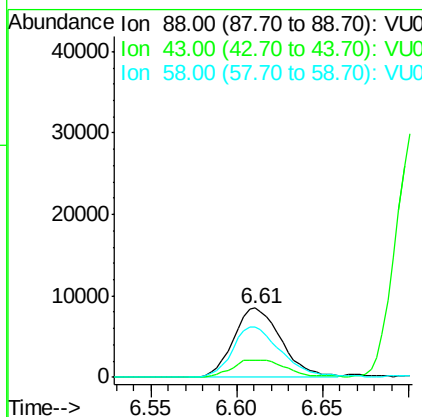
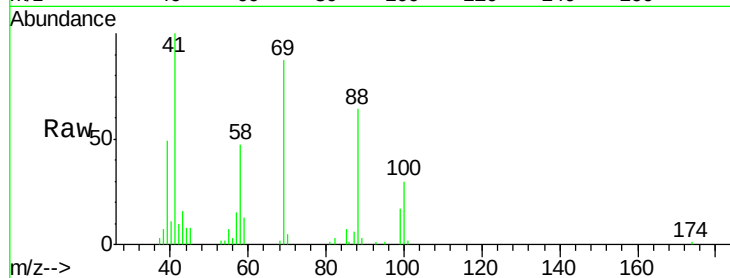
#49
1,4-Dioxane
Concen: 434.093 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.0	34.4
58	74.6	57.9	86.9

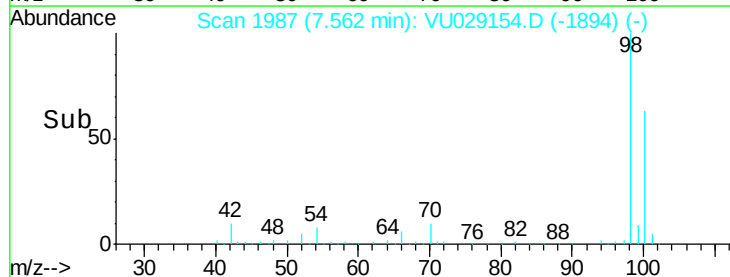
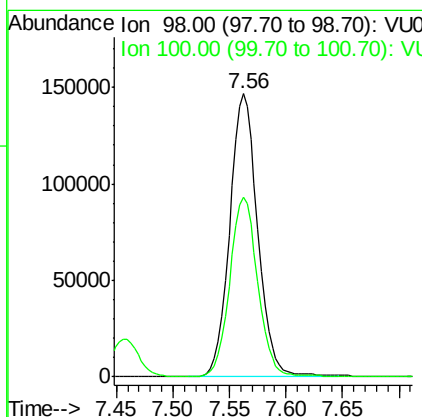
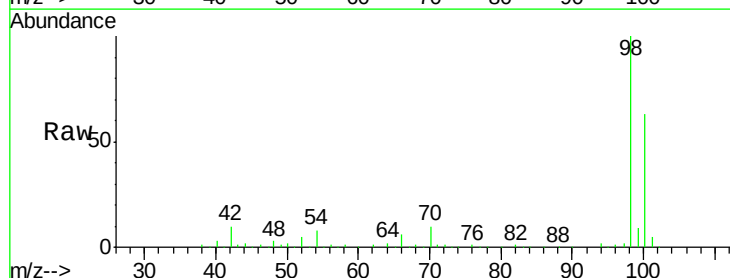
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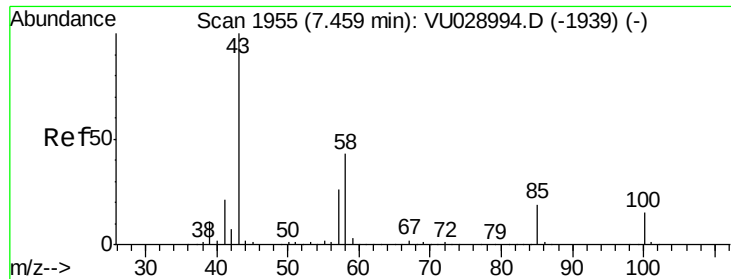
MMDadoda
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#50
Toluene-d8
Concen: 50.580 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 101.264 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion: 43 Resp: 225809

Ion Ratio Lower Upper

43 100

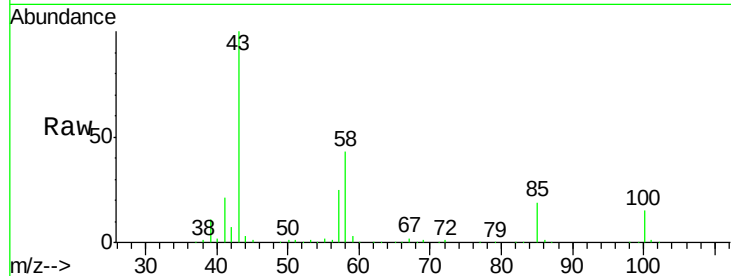
58 42.2 33.9 50.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

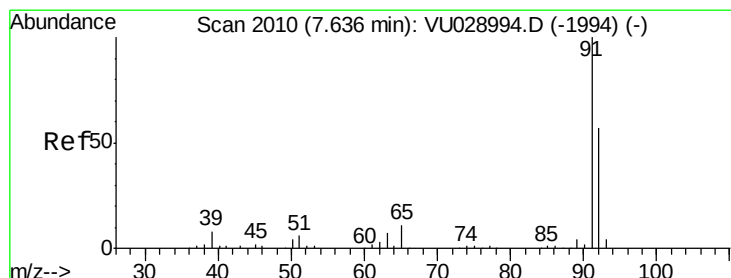
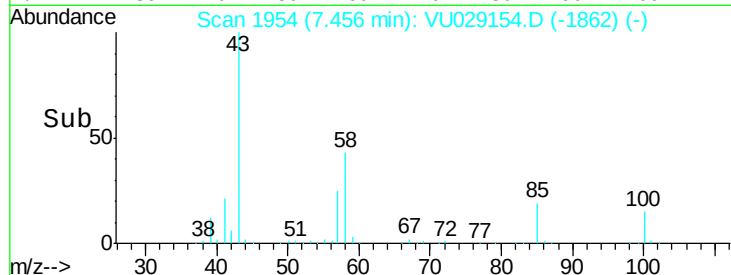
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.886 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029154.D

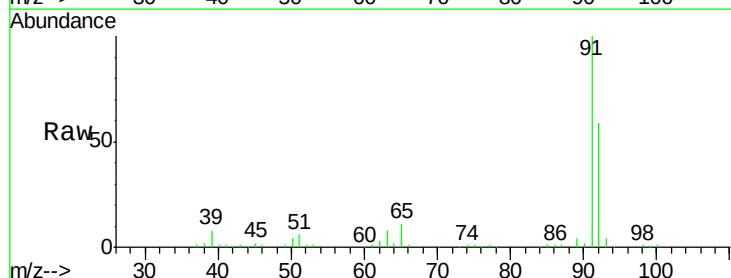
Acq: 14 Jan 2019 10:34

Tgt Ion: 92 Resp: 73482

Ion Ratio Lower Upper

92 100

91 178.2 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.63

80000

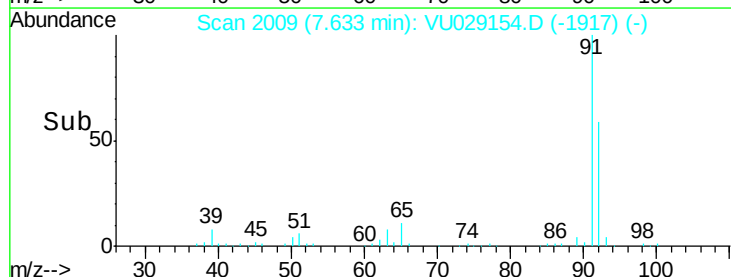
60000

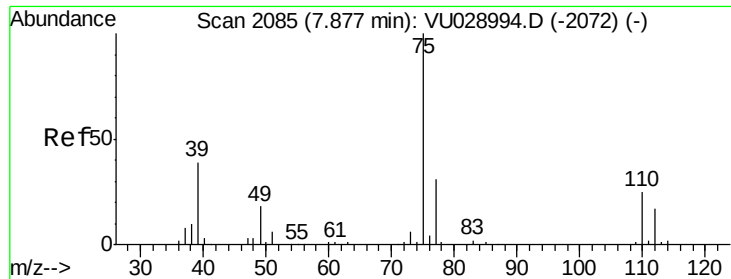
40000

20000

0

Time-->





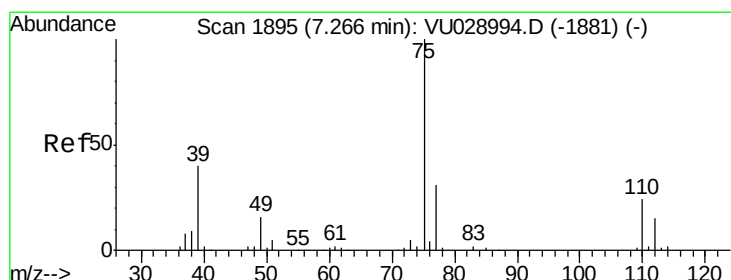
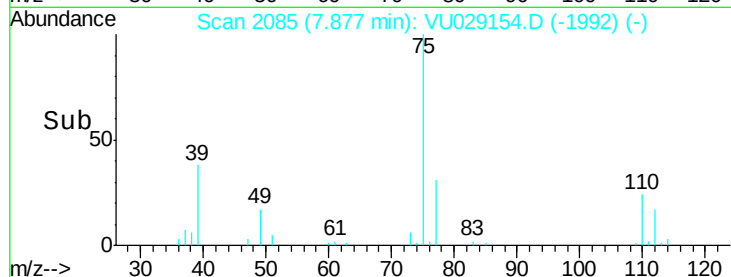
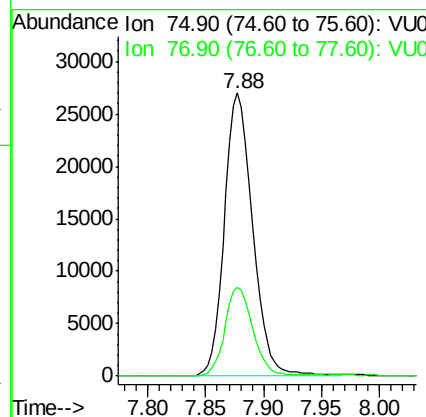
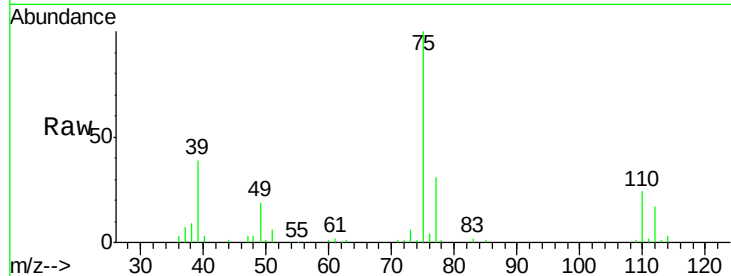
#53
 t-1,3-Dichloropropene
 Concen: 20.194 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion: 75 Resp: 45768
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4

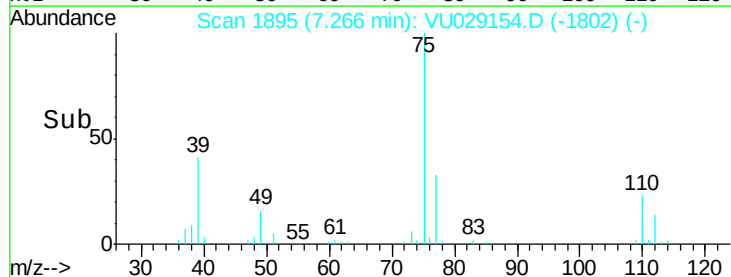
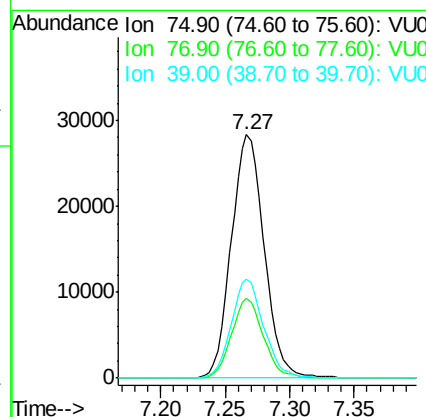
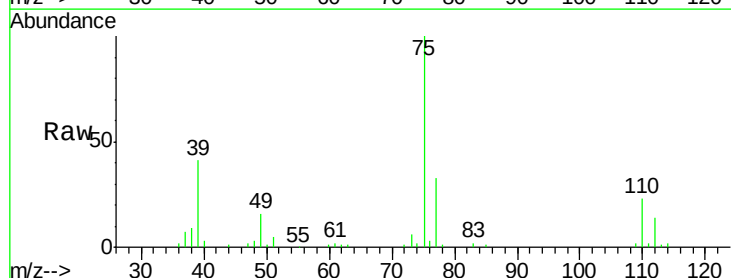
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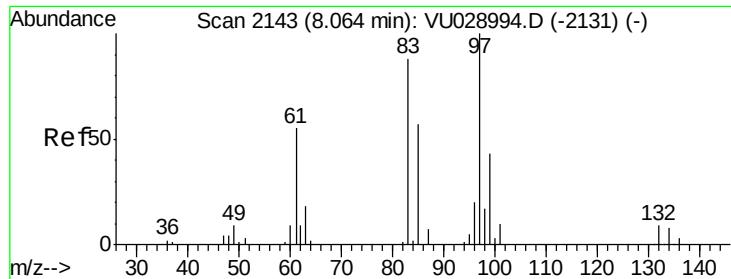
MMDadoda
 1/15/2019 11:29:35 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.476 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion: 75 Resp: 50144
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.0 37.6
 39 40.7 32.2 48.4





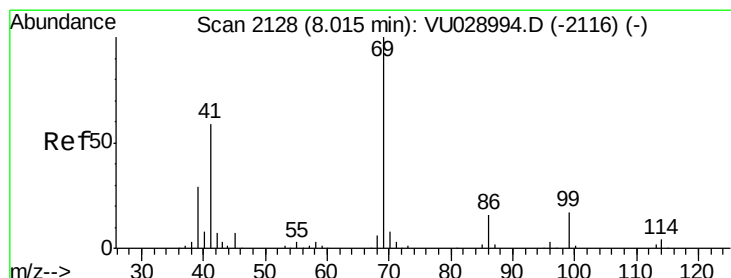
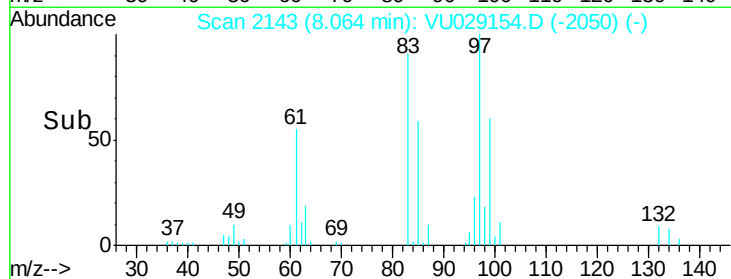
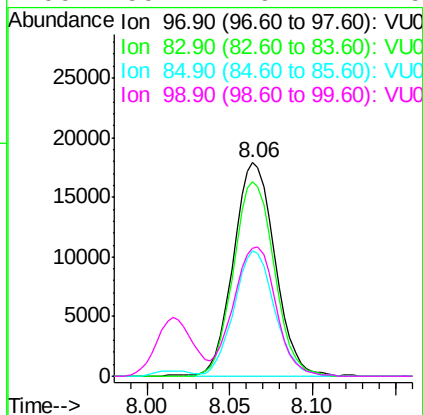
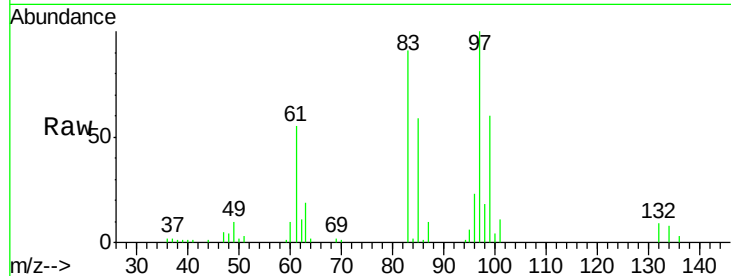
#55
 1,1,2-Trichloroethane
 Concen: 21.059 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion:	97	Resp:	31175
Ion	Ratio	Lower	Upper
97	100		
83	91.3	69.8	104.8
85	58.8	47.3	70.9
99	59.7	49.7	74.5

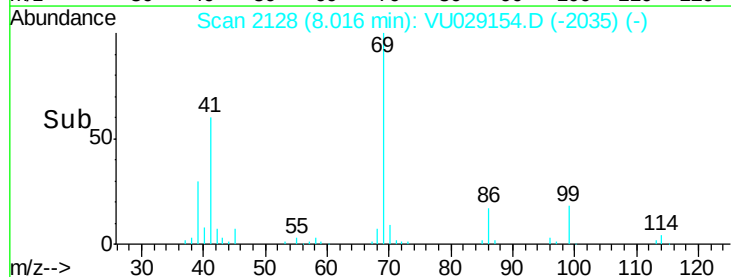
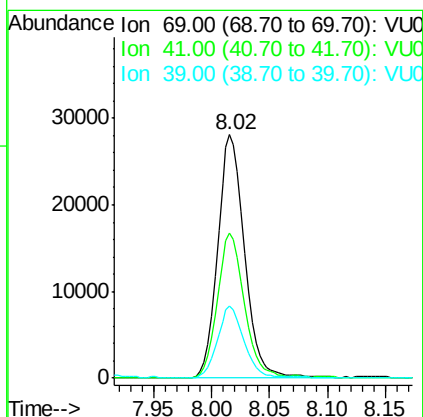
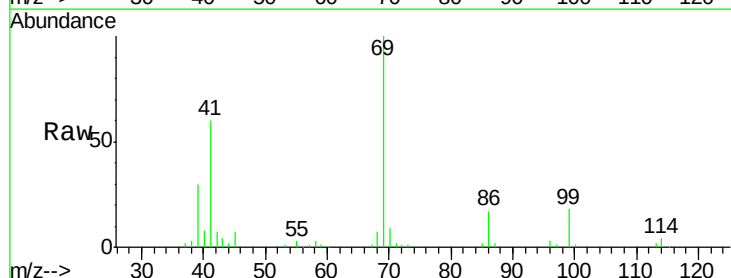
Manual Integrations
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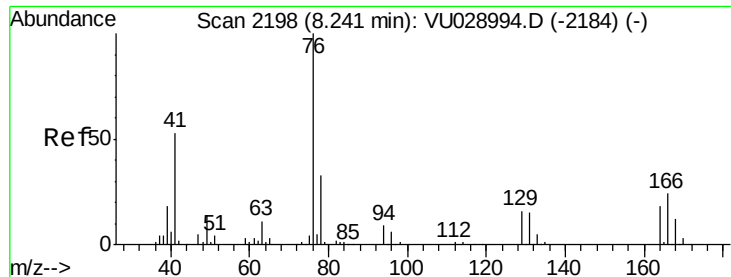
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#56
 Ethyl methacrylate
 Concen: 19.985 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion:	69	Resp:	45579
Ion	Ratio	Lower	Upper
69	100		
41	59.7	47.5	71.3
39	29.1	22.5	33.7





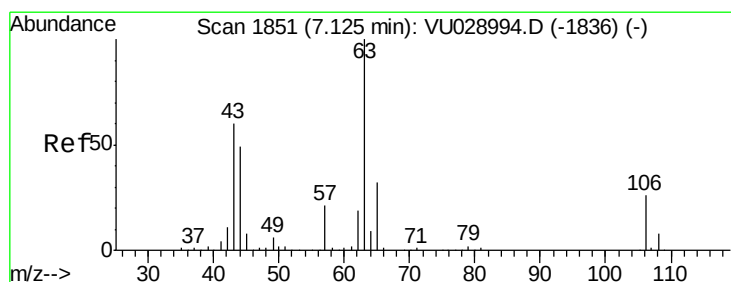
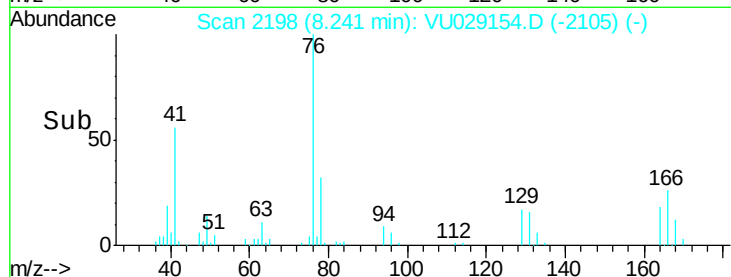
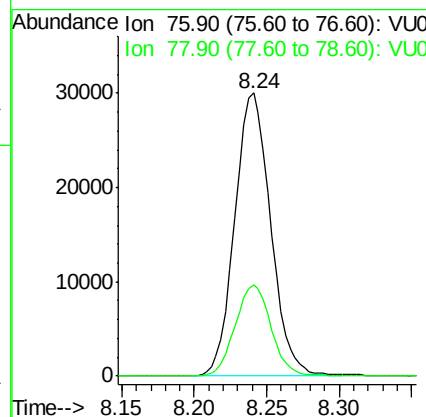
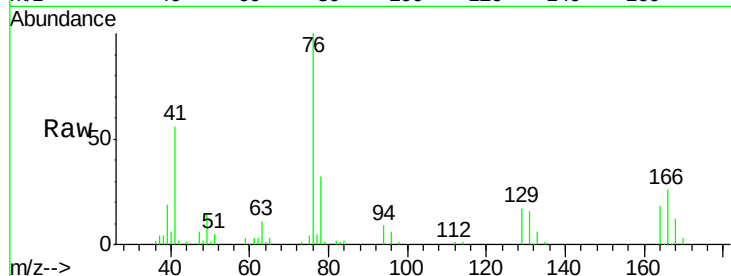
#57
 1,3-Dichloropropane
 Concen: 20.432 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion: 76 Resp: 51755
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0

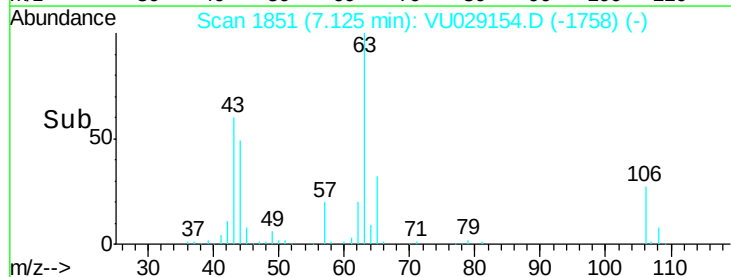
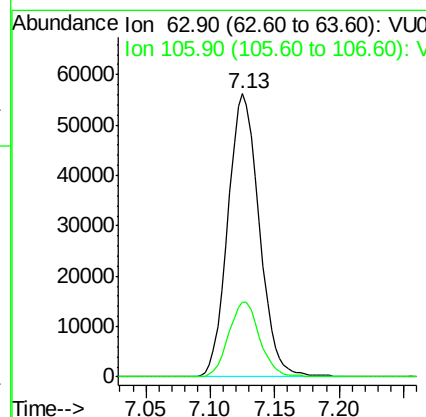
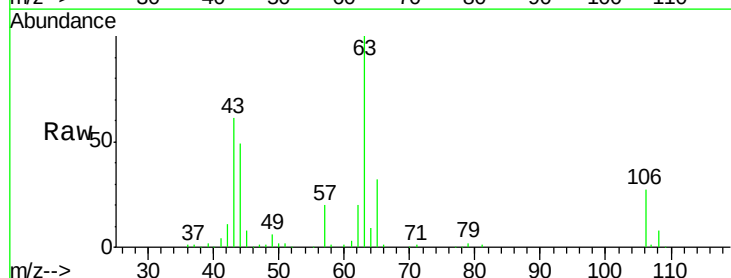
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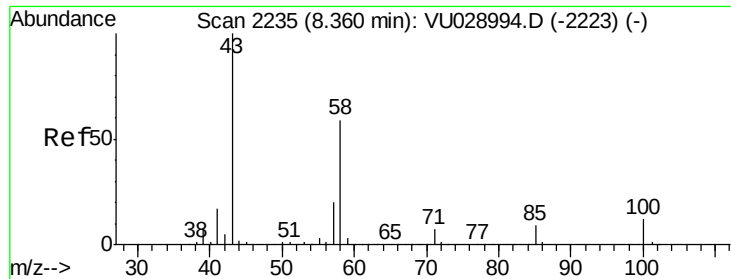
MMDadoda
 1/15/2019 11:29:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.746 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion: 63 Resp: 95029
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.6 31.0





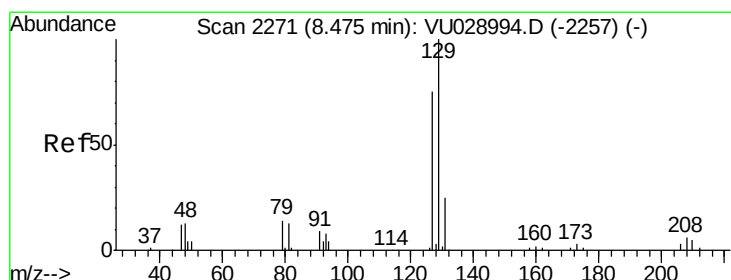
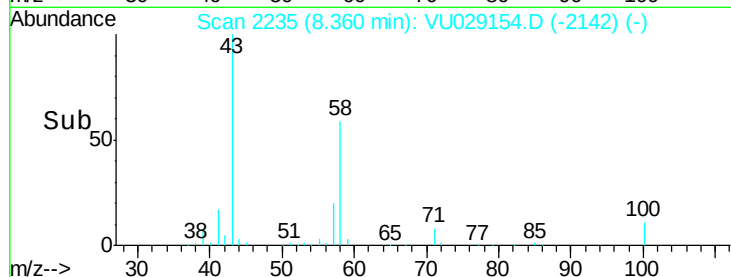
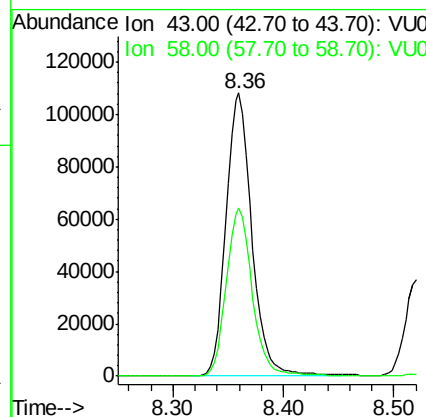
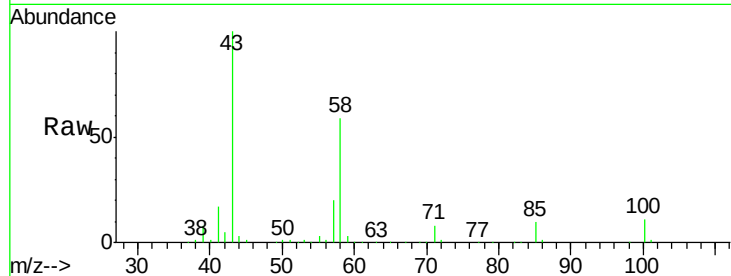
#59
2-Hexanone
Concen: 100.515 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion: 43 Resp: 175942
Ion Ratio Lower Upper
43 100
58 59.8 29.8 89.4

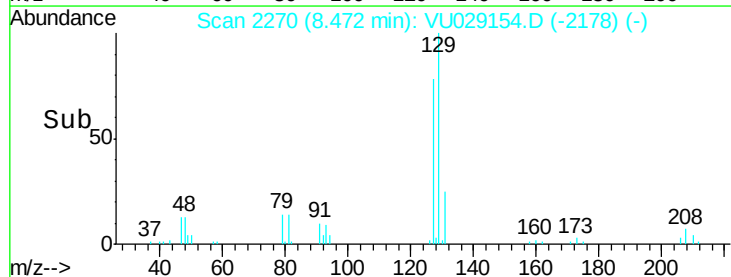
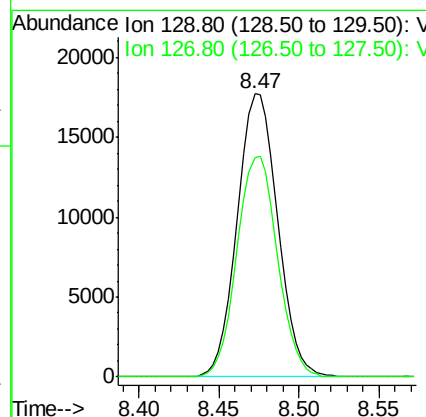
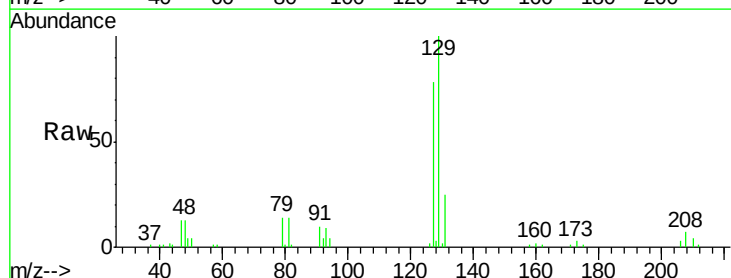
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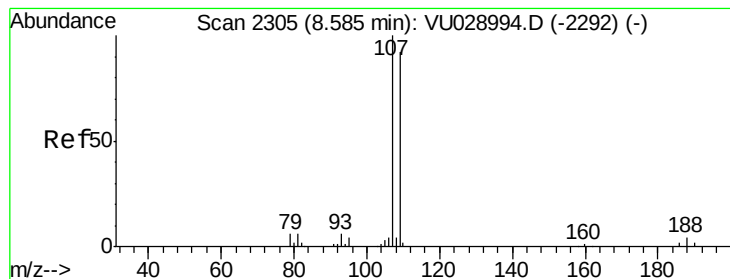
MMDadoda
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#60
Dibromochloromethane
Concen: 20.859 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 129 Resp: 30592
Ion Ratio Lower Upper
129 100
127 77.8 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.712 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion:107 Resp: 33254

Ion Ratio Lower Upper

107 100

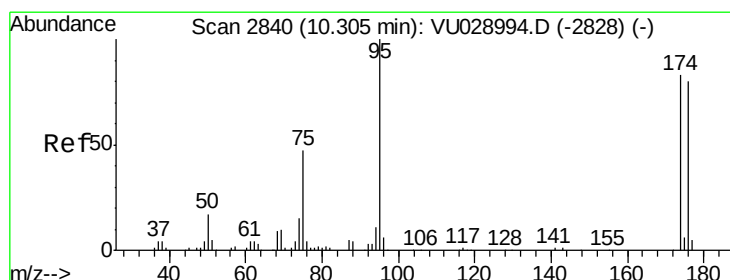
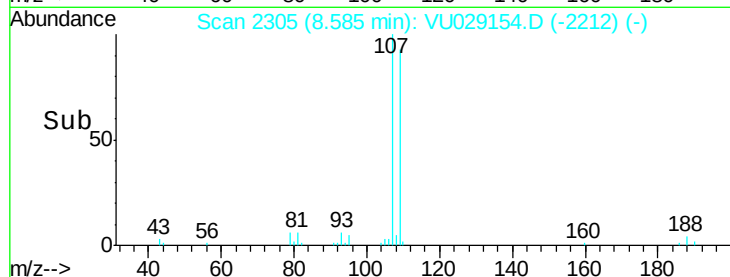
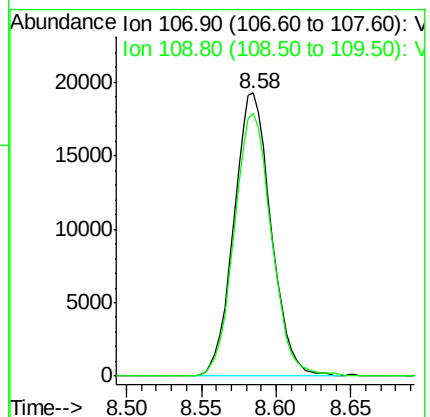
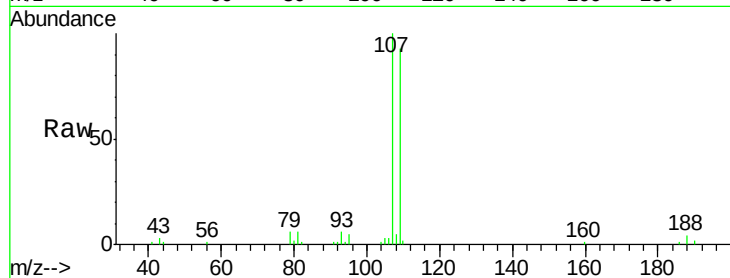
109 93.5 75.5 113.3

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 49.283 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

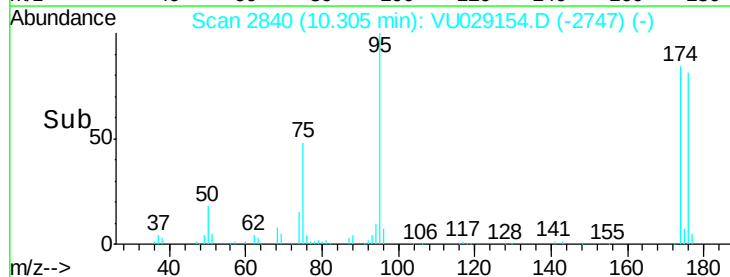
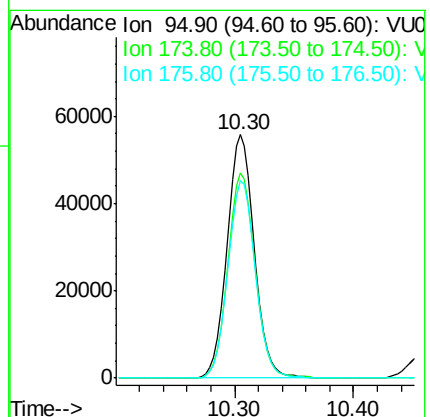
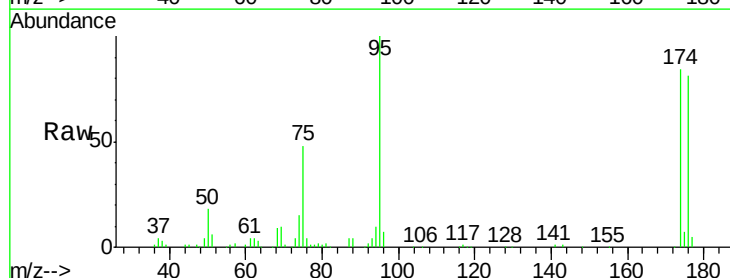
Tgt Ion: 95 Resp: 88241

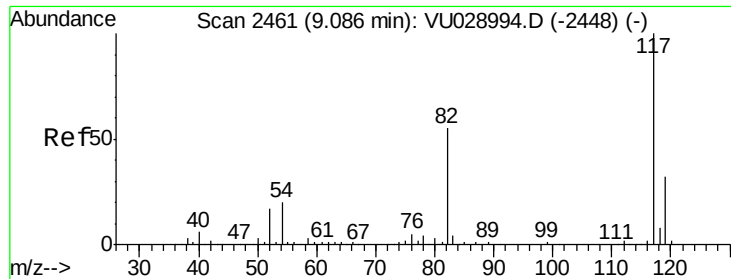
Ion Ratio Lower Upper

95 100

174 84.7 0.0 170.6

176 82.0 0.0 165.0





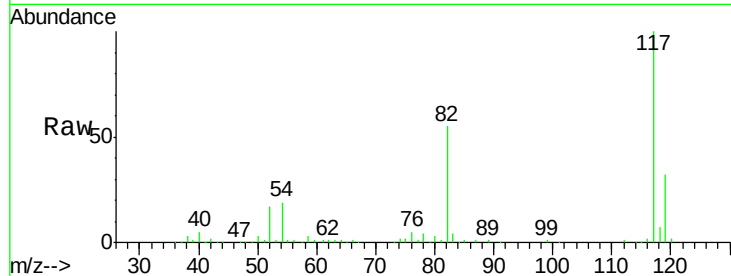
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	43.9	65.9
119	32.3	26.0	39.0

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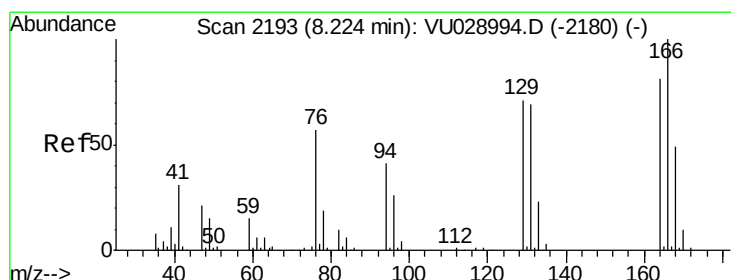
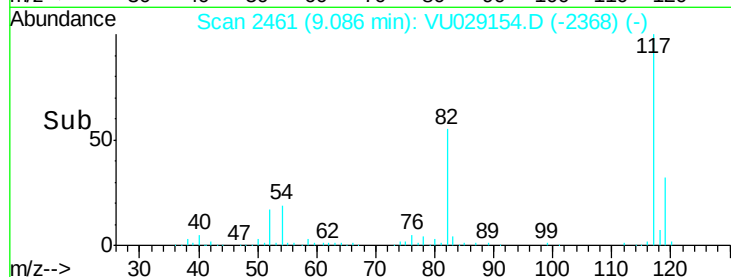
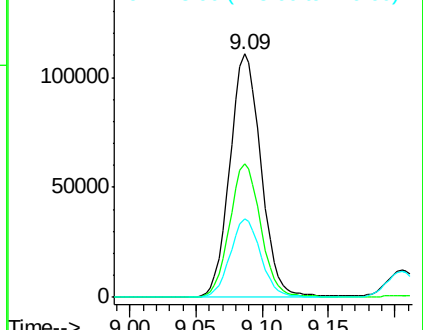


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.345 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	99.4	149.0
129	90.6	70.5	105.7
131	87.9	69.0	103.6

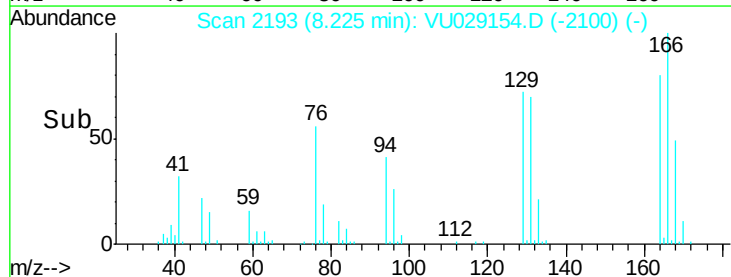
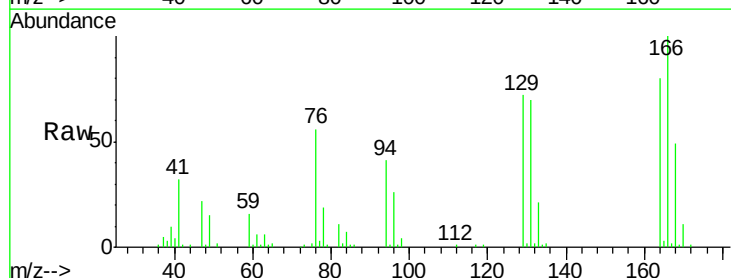
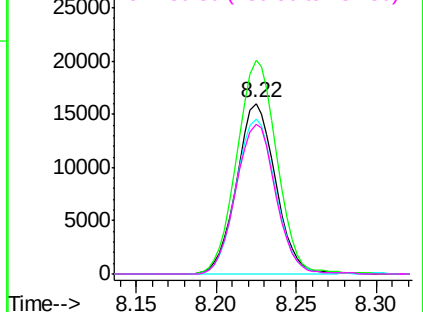
Abundance

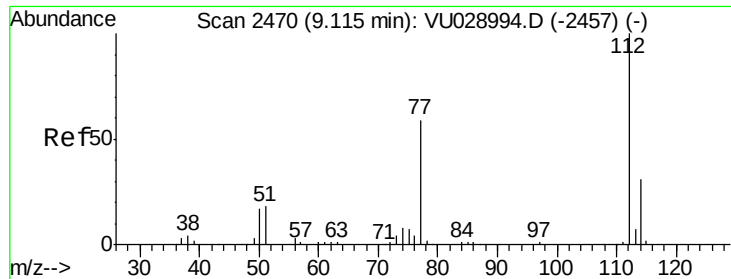
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





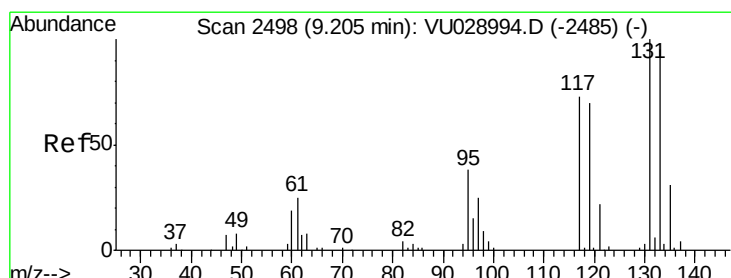
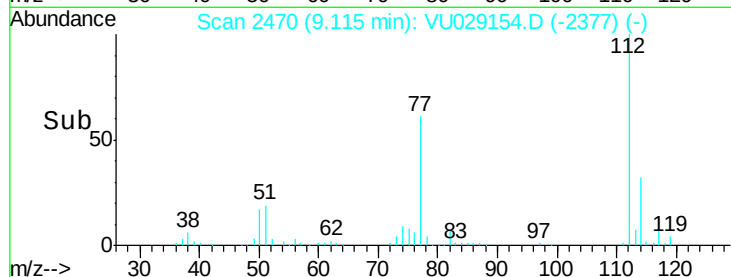
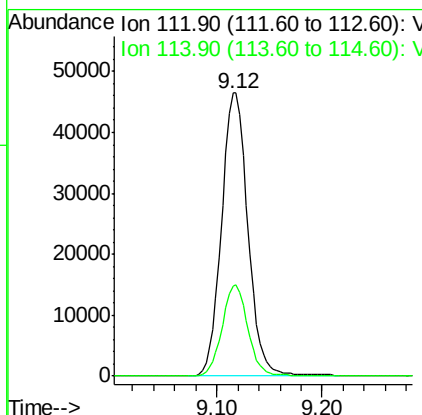
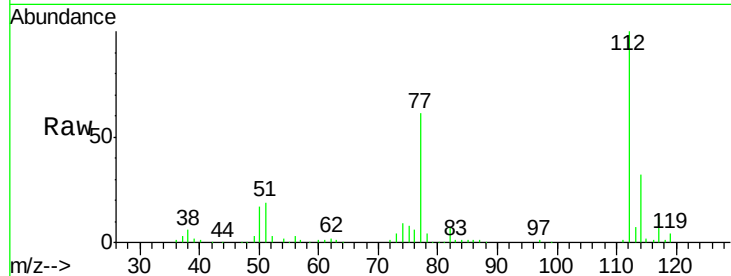
#65
Chlorobenzene
Concen: 19.848 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion:112 Resp: 80689
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

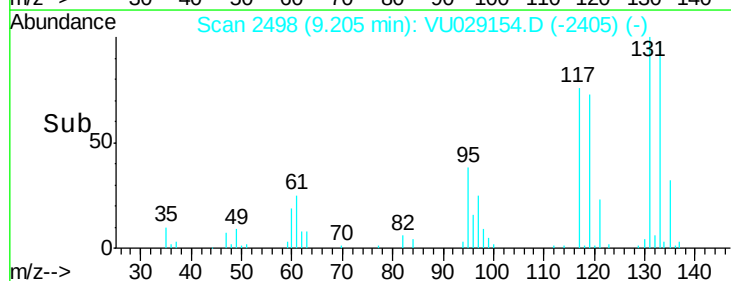
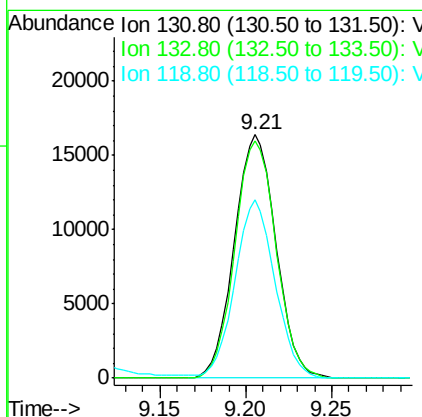
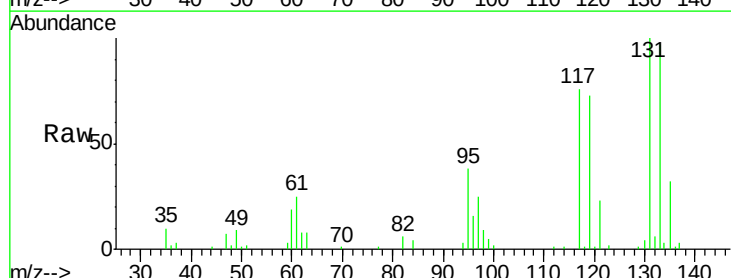
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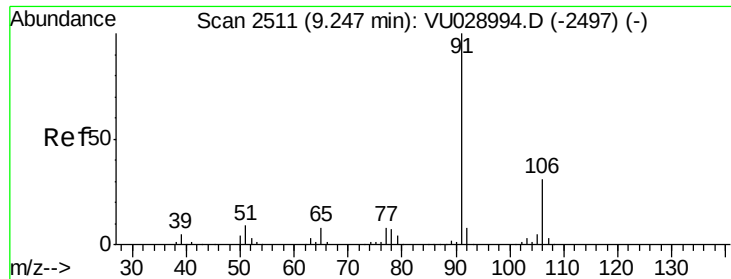
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.959 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion:131 Resp: 27652
Ion Ratio Lower Upper
131 100
133 96.5 48.2 144.6
119 70.5 35.4 106.3





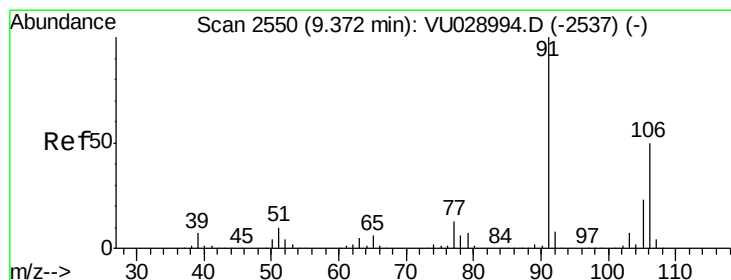
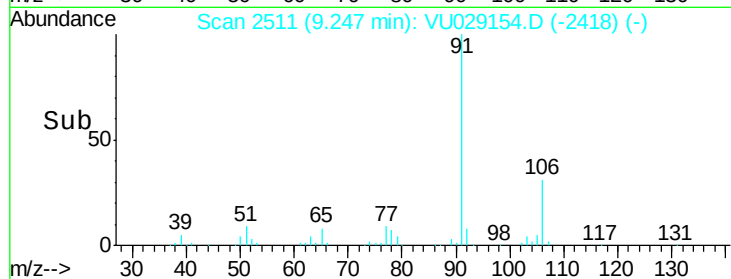
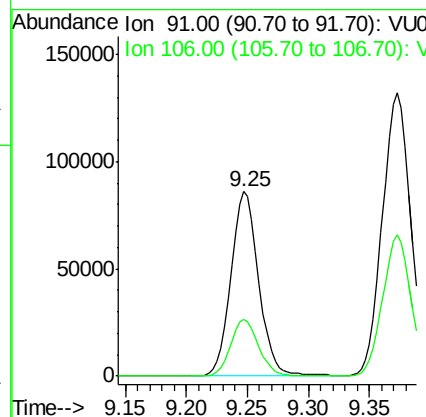
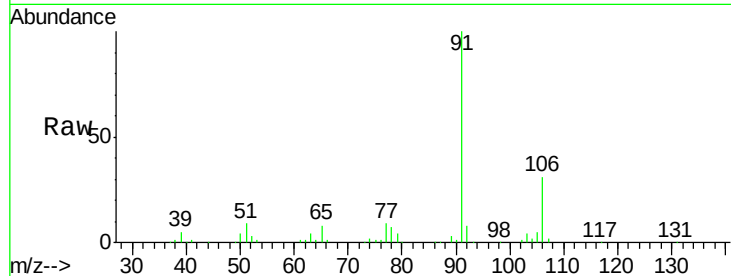
#67
Ethyl Benzene
Concen: 20.275 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampled :
VU0114WBS01

Tot Ion: 91 Resp: 137613
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

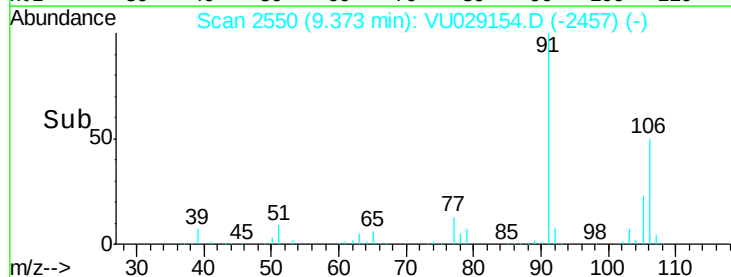
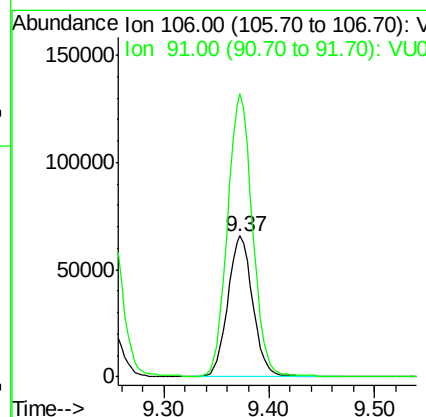
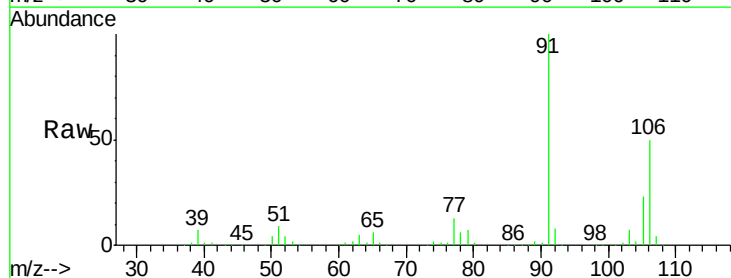
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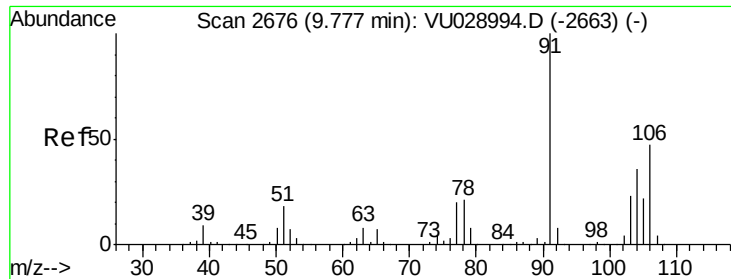
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#68
m/p-Xylenes
Concen: 40.870 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 106 Resp: 107783
Ion Ratio Lower Upper
106 100
91 199.0 161.7 242.5





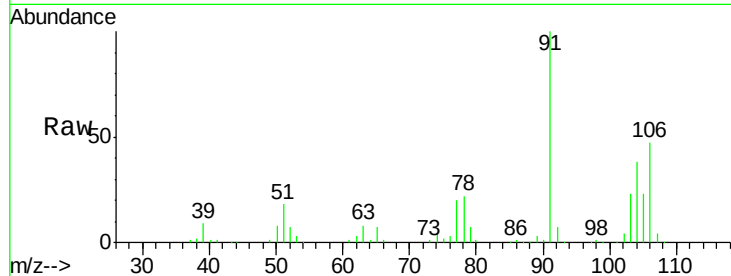
#69
o-Xylene
Concen: 20.399 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

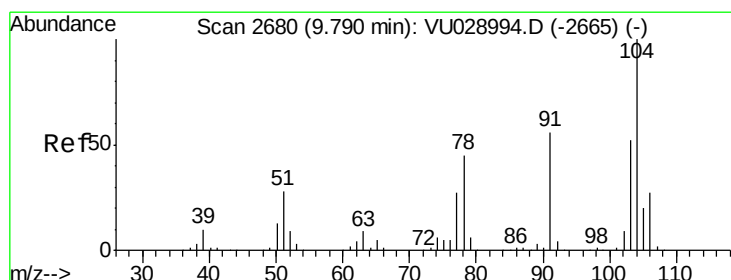
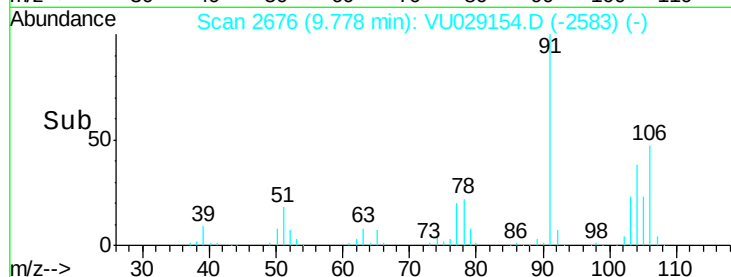
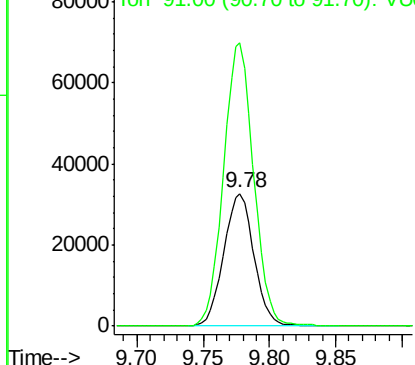
Tot Ion:106 Resp: 51836
Ion Ratio Lower Upper
106 100
91 211.9 106.1 318.3

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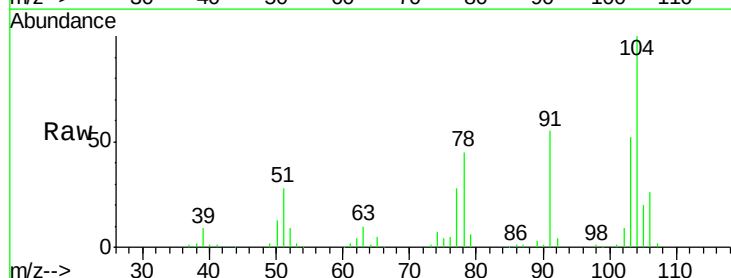


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

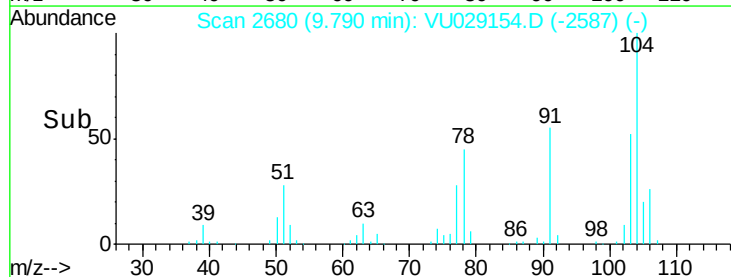
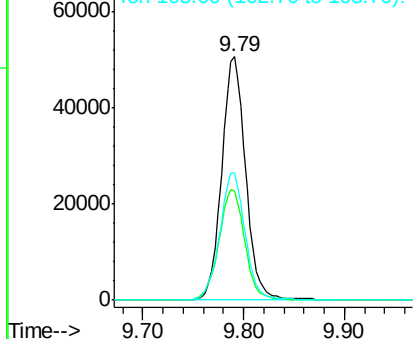


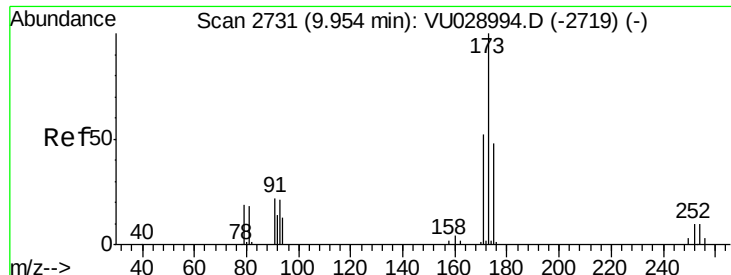
#70
Styrene
Concen: 20.136 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion:104 Resp: 83880
Ion Ratio Lower Upper
104 100
78 49.1 38.6 58.0
103 55.7 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: 20.548 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion:173 Resp: 24138

Ion Ratio Lower Upper

173 100

175 47.3 23.8 71.2

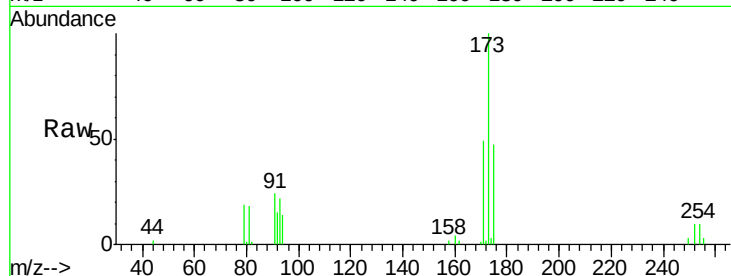
254 0.0 0.0 0.0

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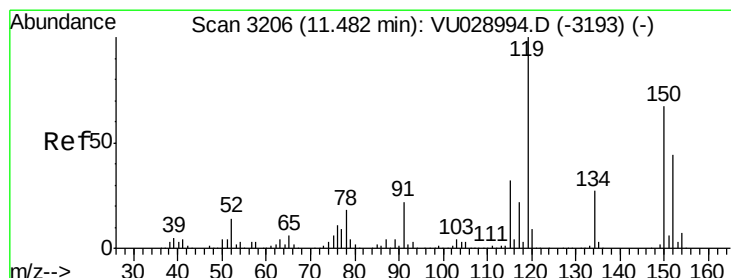
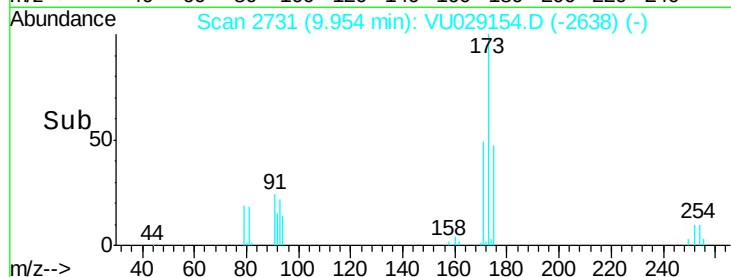
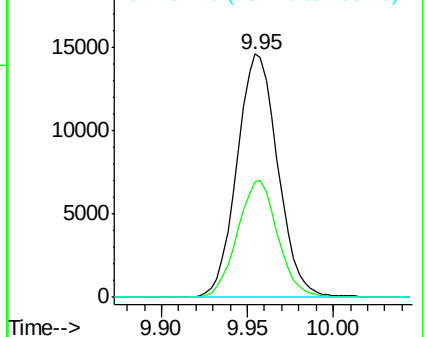
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

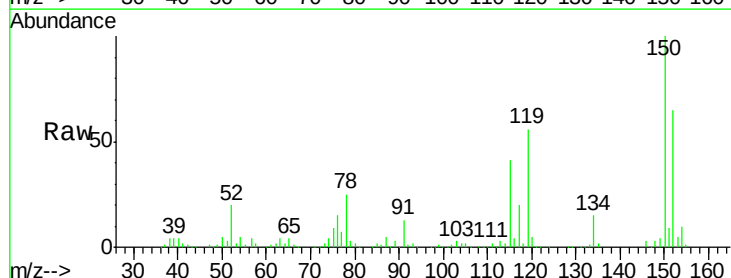
Tgt Ion:152 Resp: 89646

Ion Ratio Lower Upper

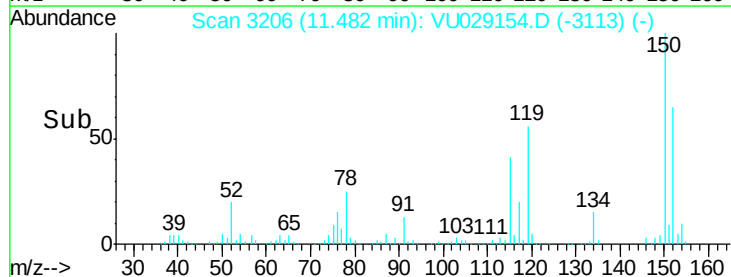
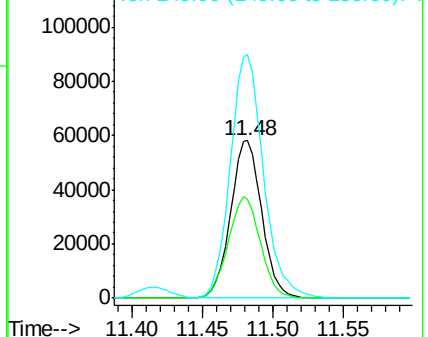
152 100

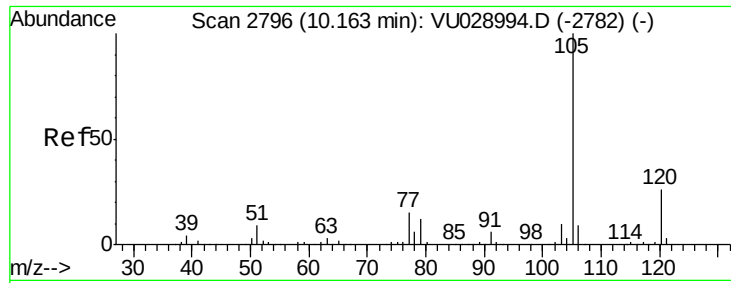
115 66.7 40.1 120.3

150 164.8 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





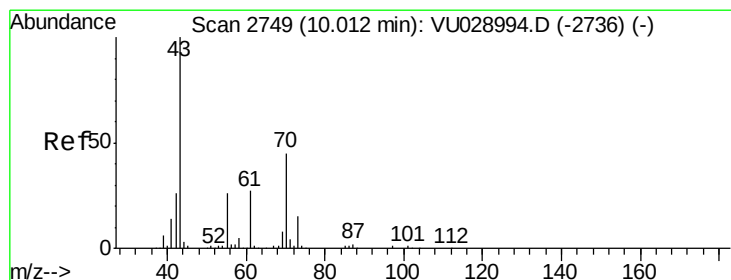
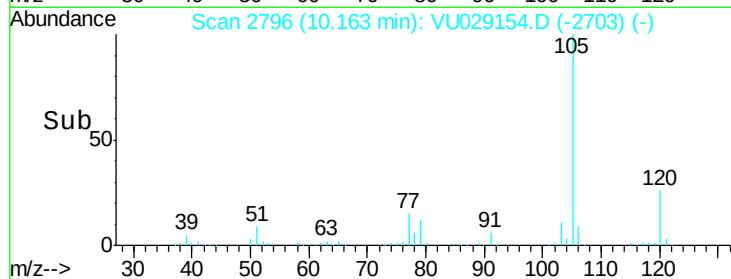
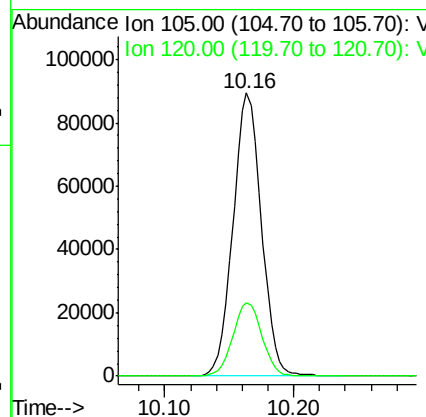
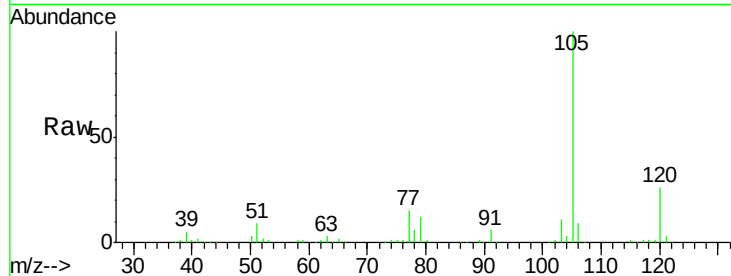
#73
Isopropylbenzene
Concen: 20.588 ug/l
RT: 10.16 min Scan# 2796
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion:105 Resp: 136608
Ion Ratio Lower Upper
105 100
120 26.6 13.2 39.5

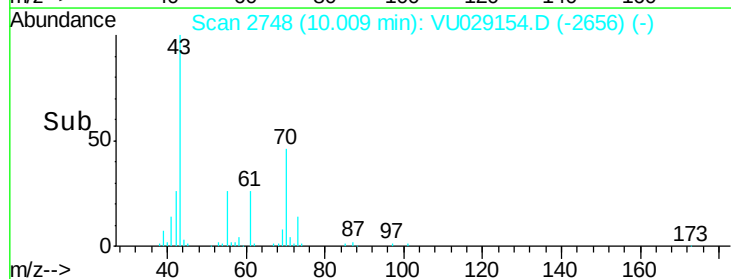
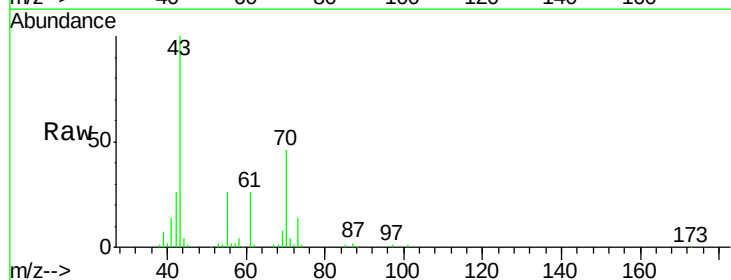
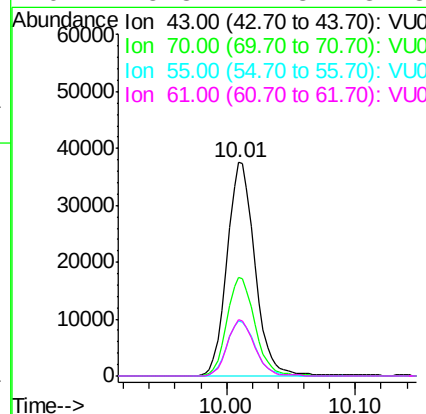
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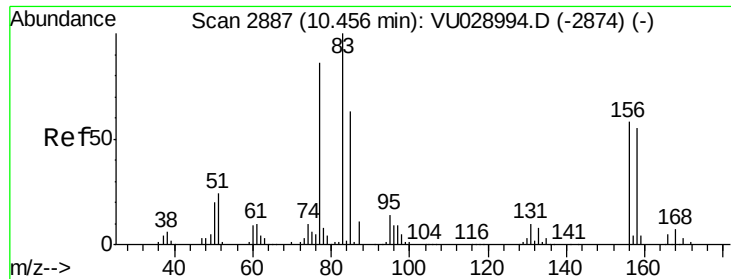
MMDadoda
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#74
N-ethyl acetate
Concen: 19.742 ug/l
RT: 10.01 min Scan# 2748
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 43 Resp: 56448
Ion Ratio Lower Upper
43 100
70 46.3 36.3 54.5
55 26.0 20.5 30.7
61 25.8 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.986 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

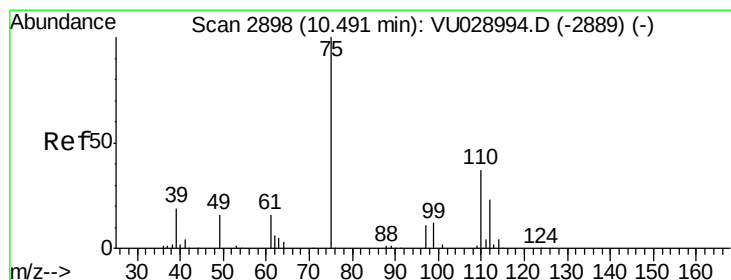
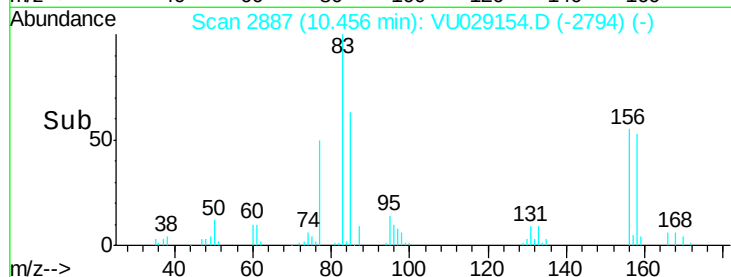
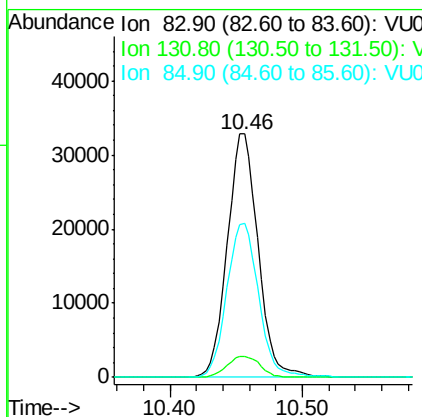
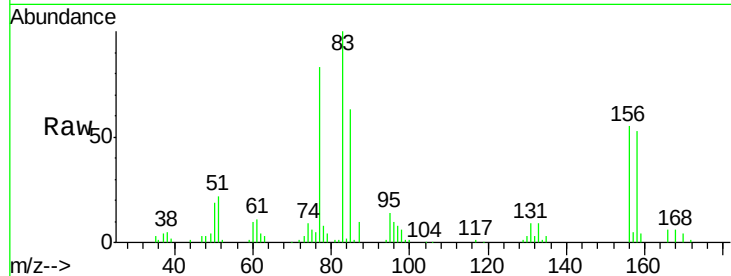
ClientSampleId :

VU0114WBS01

Tot Ion:	83	Resp:	53150
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	65.5	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.586 ug/l m

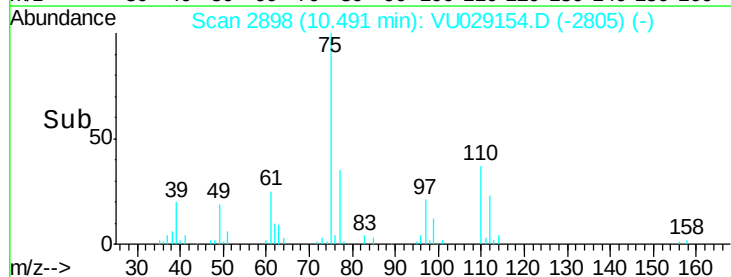
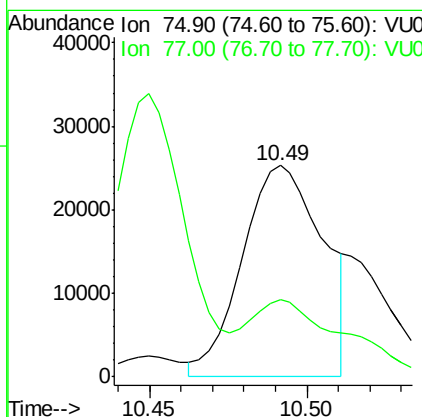
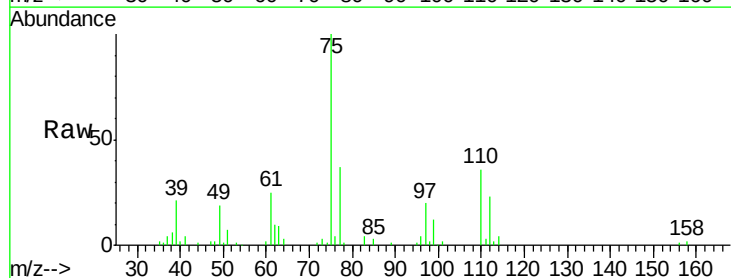
RT: 10.49 min Scan# 2898

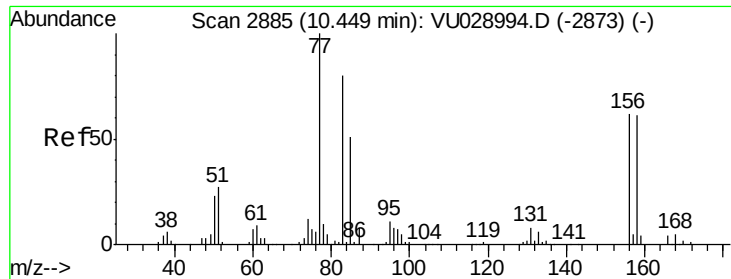
Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Tgt Ion:	75	Resp:	45216
Ion Ratio	Lower	Upper	
75	100		
77	44.2	20.9	62.8





#77

Bromobenzene

Concen: 19.826 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion:156 Resp: 34283

Ion Ratio Lower Upper

156 100

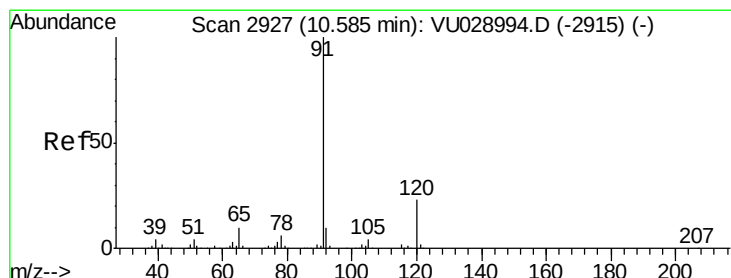
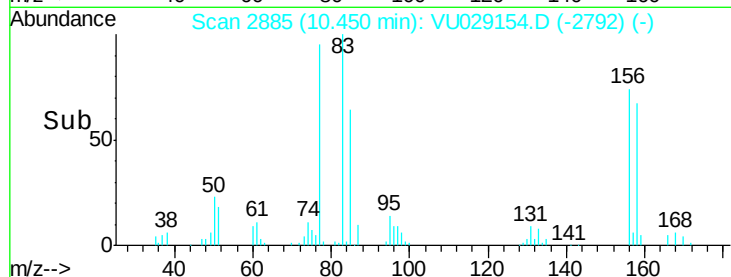
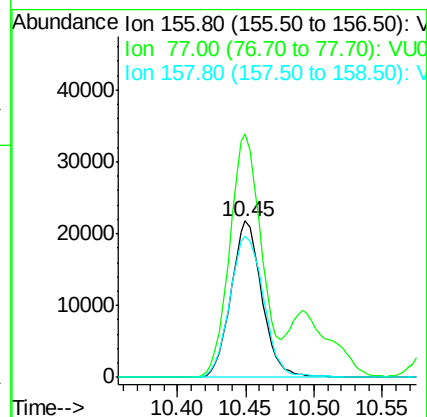
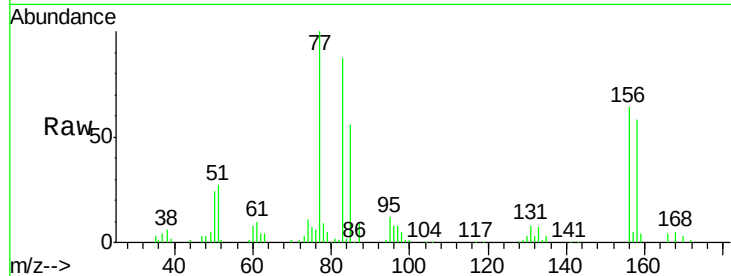
77 159.5 79.0 237.2

158 99.0 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.837 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029154.D

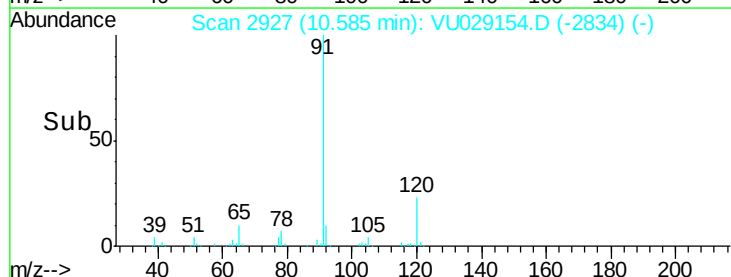
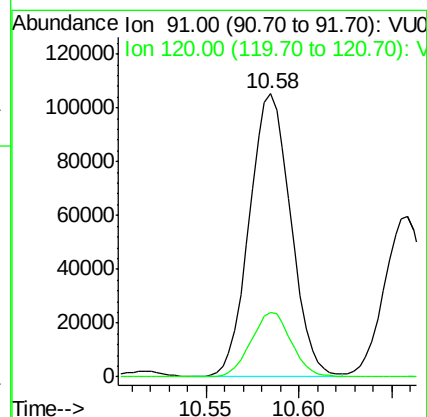
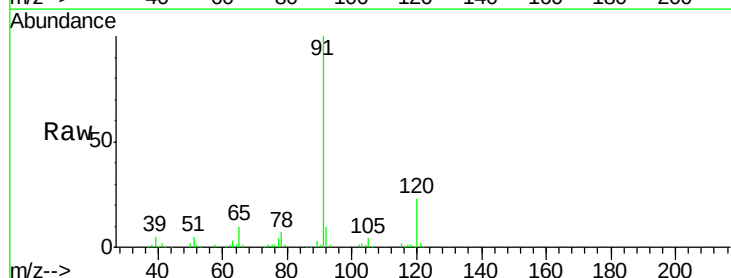
Acq: 14 Jan 2019 10:34

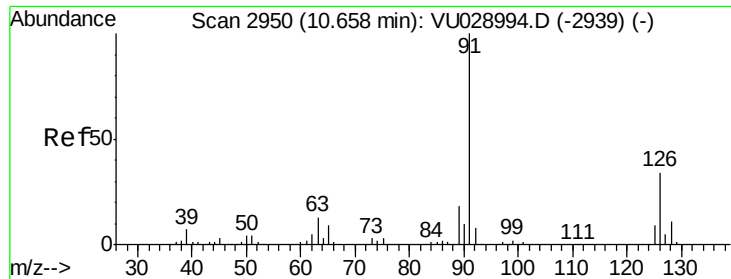
Tgt Ion: 91 Resp: 162940

Ion Ratio Lower Upper

91 100

120 22.3 11.3 33.9





#79

2-Chlorotoluene

Concen: 19.999 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029154.D

Acq: 14 Jan 2019 10:34

Instrument :

MSVOA_U

ClientSampleId :

VU0114WBS01

Tot Ion: 91 Resp: 94867

Ion Ratio Lower Upper

91 100

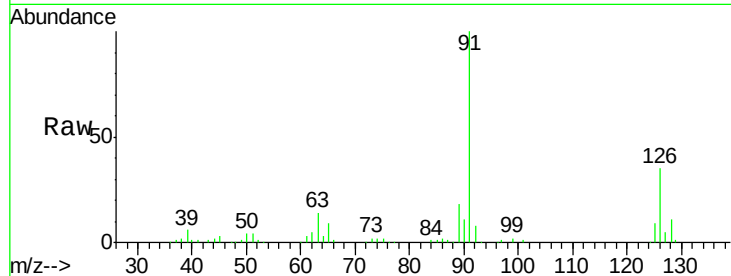
126 34.7 16.8 50.4

Manual Integrations

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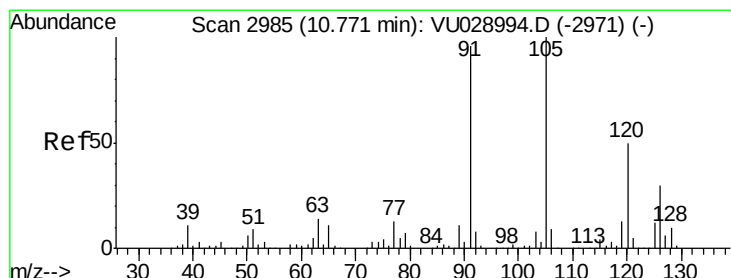
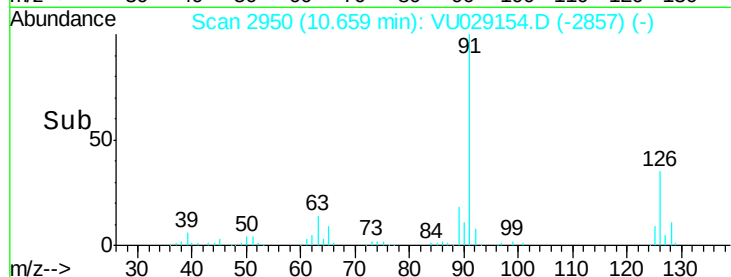
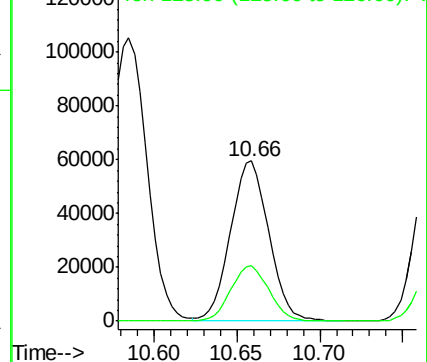
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.382 ug/l

RT: 10.77 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU029154.D

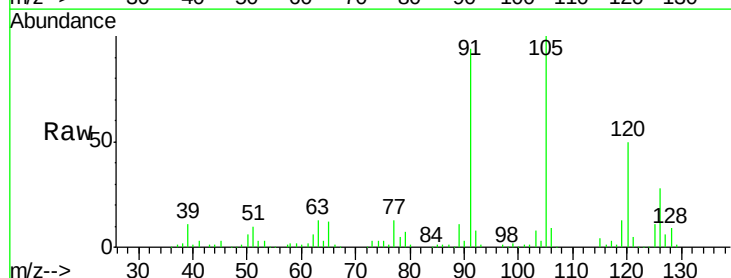
Acq: 14 Jan 2019 10:34

Tgt Ion: 105 Resp: 112937

Ion Ratio Lower Upper

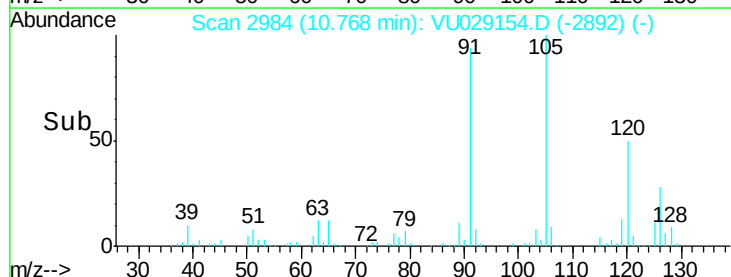
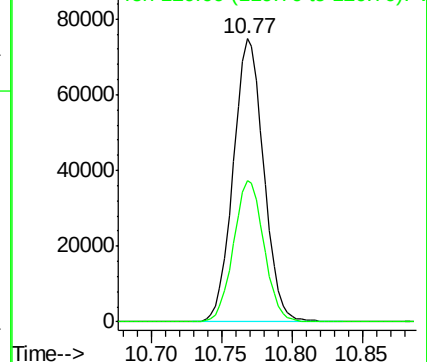
105 100

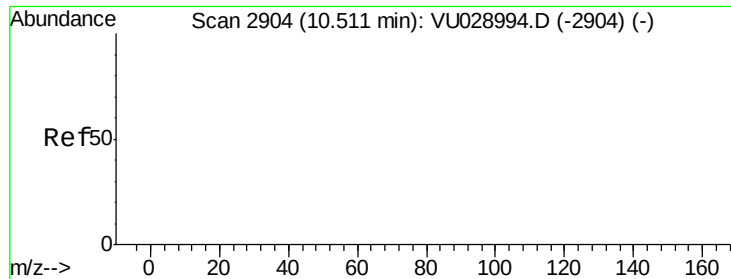
120 49.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





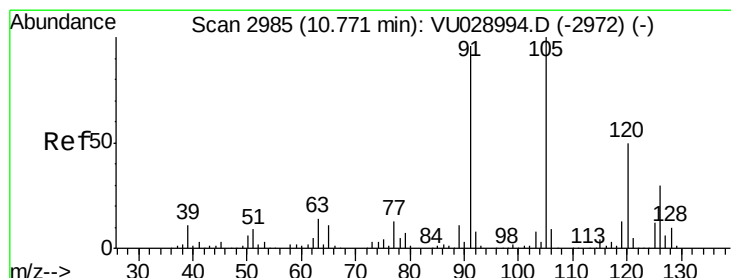
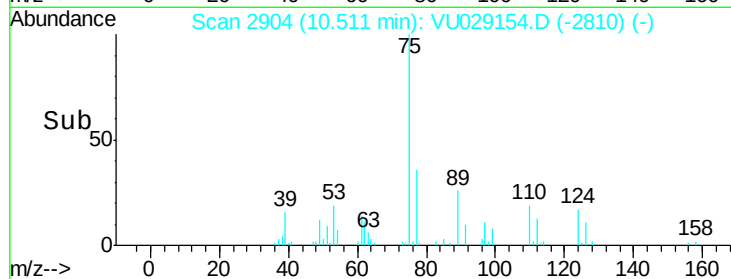
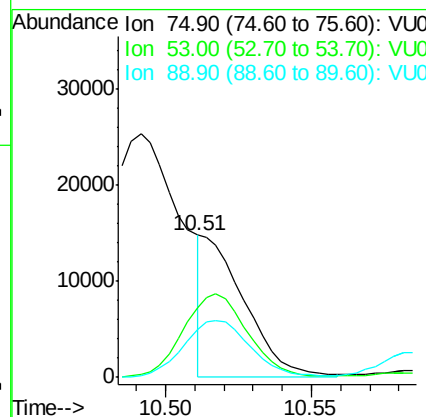
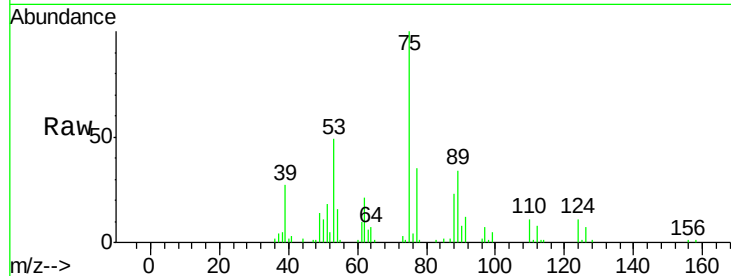
#81
trans-1,4-Dichloro-2-butene
Concen: 17.311 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion: 75 Resp: 14743
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

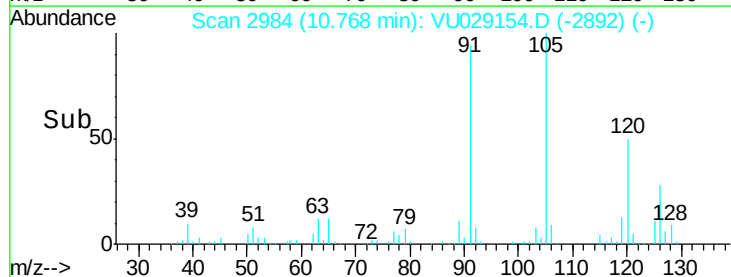
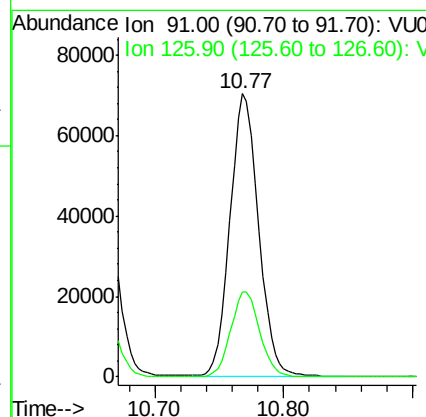
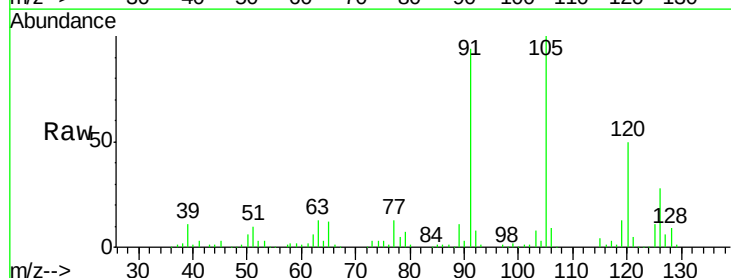
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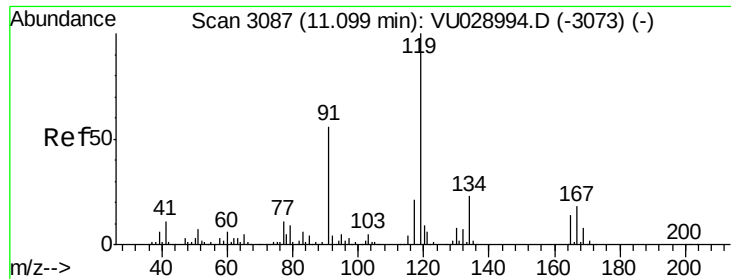
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.828 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion: 91 Resp: 107848
Ion Ratio Lower Upper
91 100
126 30.4 15.5 46.5





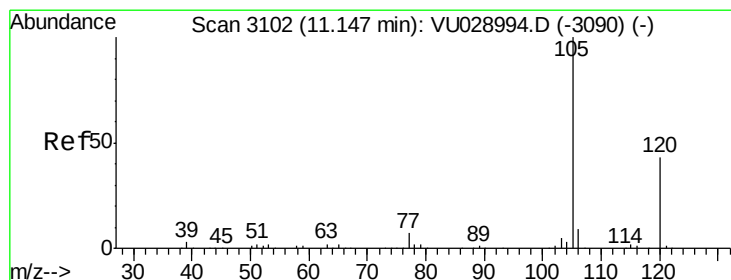
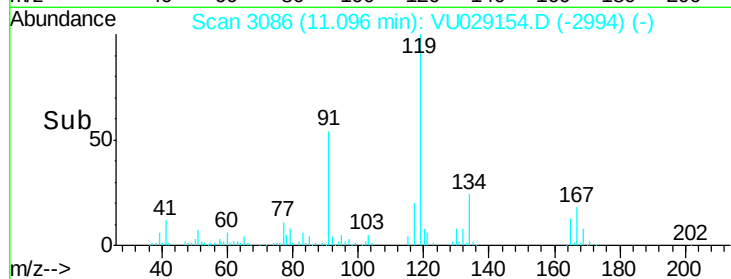
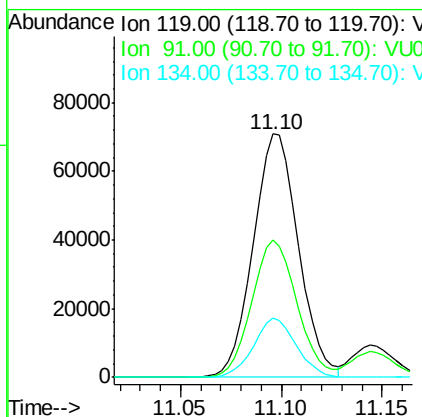
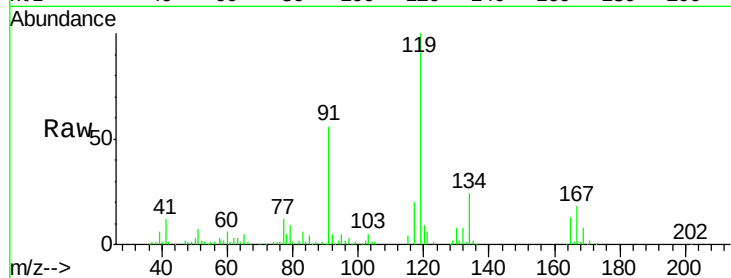
#83
 tert-Butylbenzene
 Concen: 20.352 ug/l
 RT: 11.10 min Scan# 3086
 Delta R.T. -0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	111151		
91	56.0	28.2	84.6	
134	22.9	11.3	33.8	

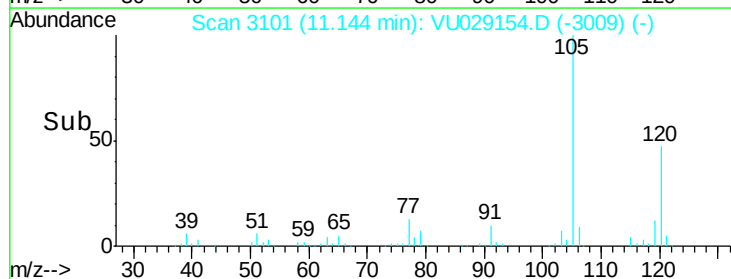
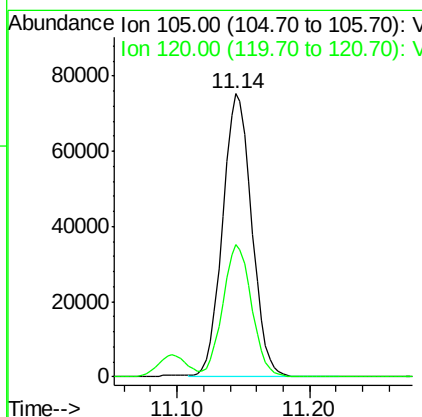
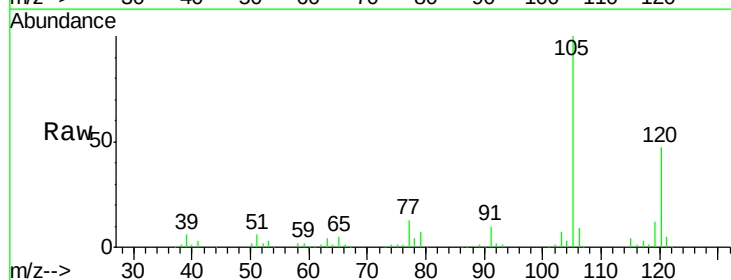
Manual Integrations
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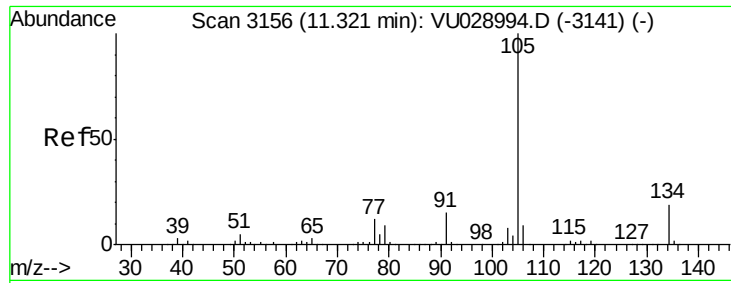
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.777 ug/l
 RT: 11.14 min Scan# 3101
 Delta R.T. -0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	114943		
120	46.1	23.1	69.3	





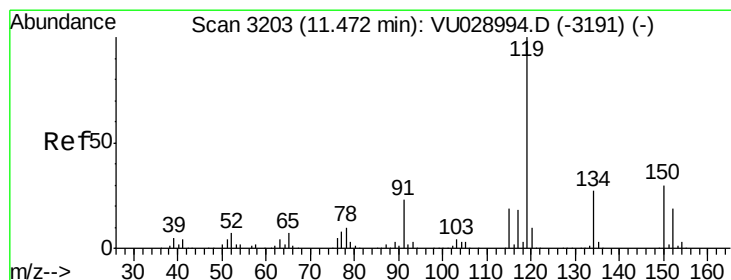
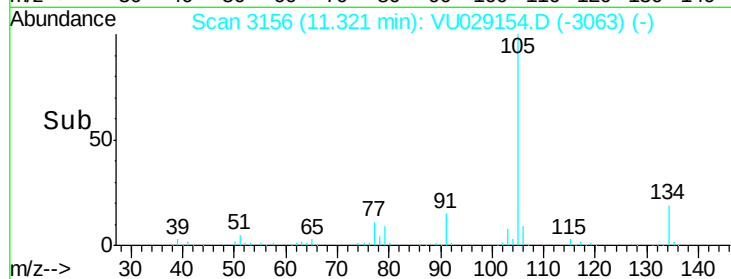
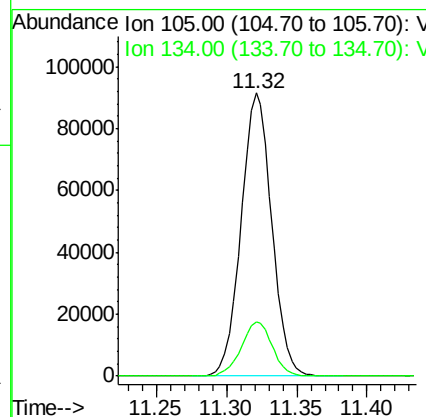
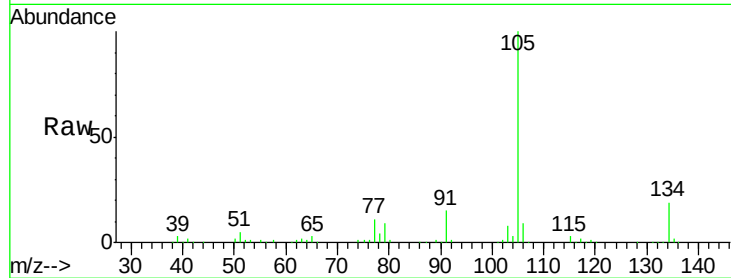
#85
 sec-Butylbenzene
 Concen: 21.053 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

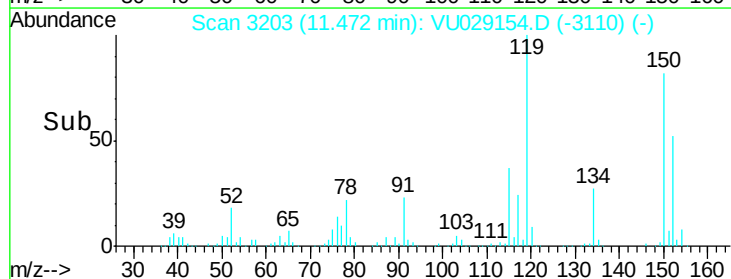
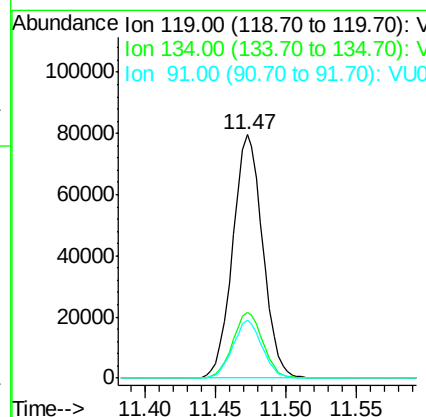
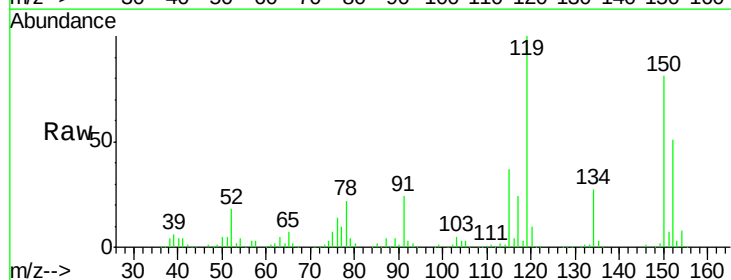
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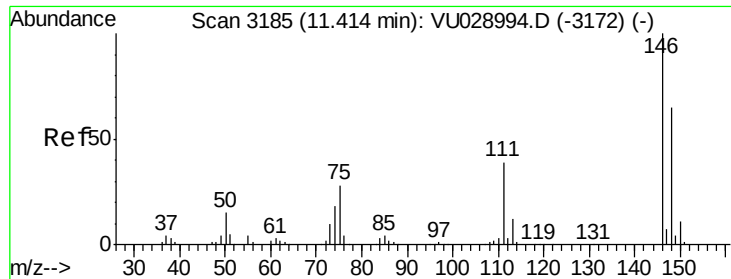
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#86
 p-Isopropyltoluene
 Concen: 21.002 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.4
91	23.4	11.3	33.8





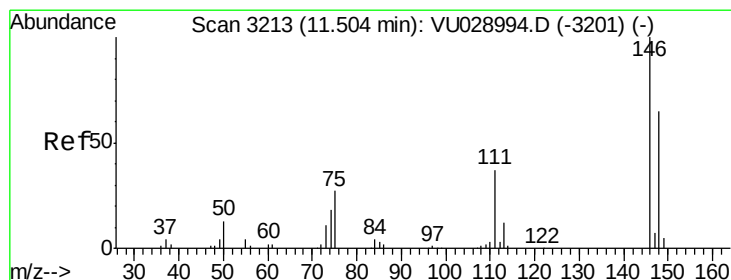
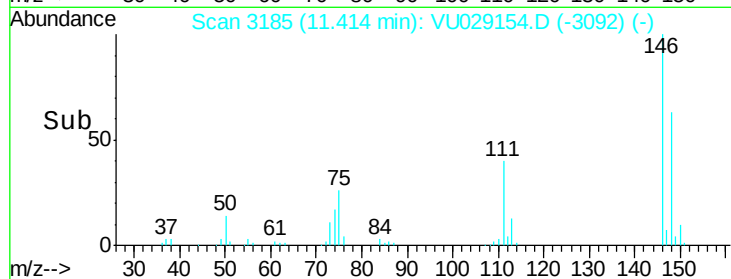
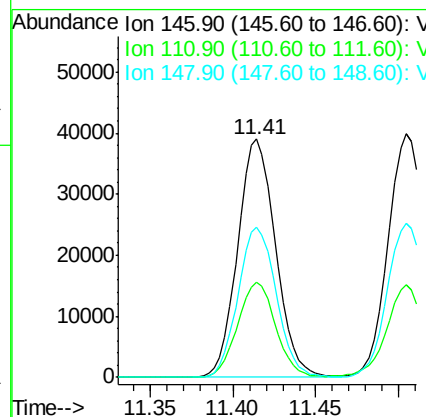
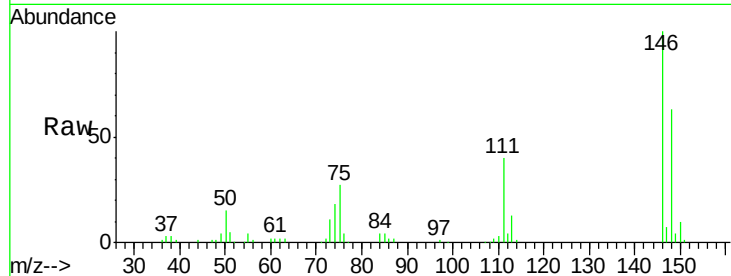
#87
 1,3-Dichlorobenzene
 Concen: 19.642 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.8
148	63.3	32.5	97.5

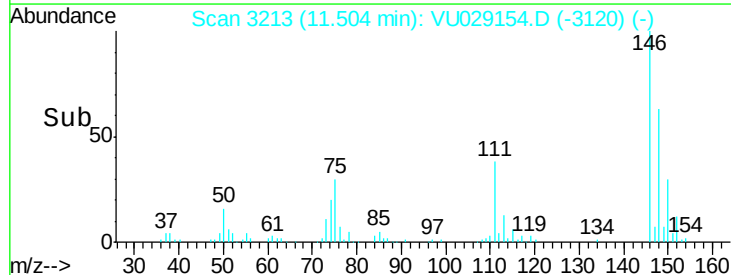
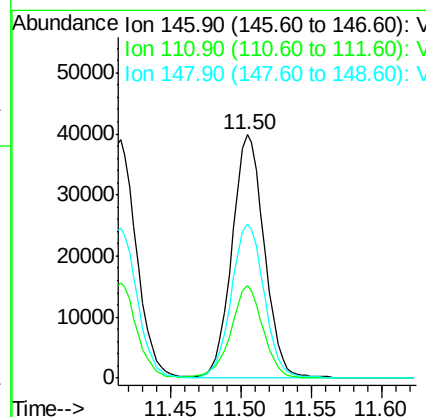
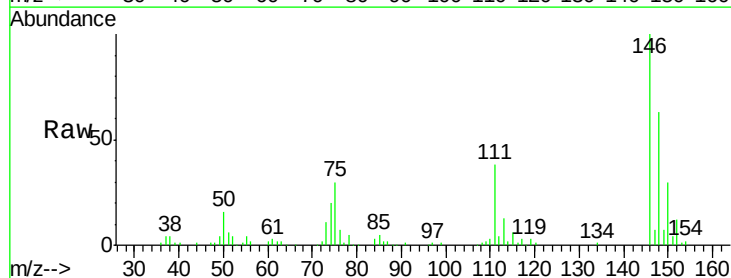
Manual Integrations
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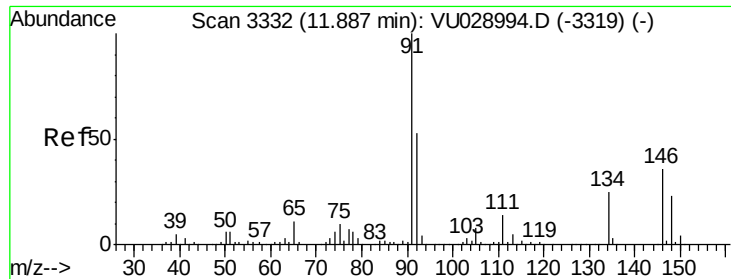
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#88
 1,4-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	64.2	32.6	98.0





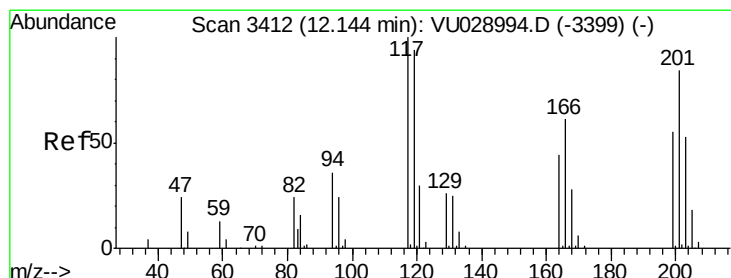
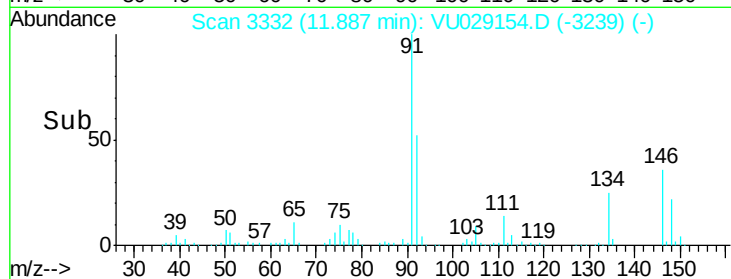
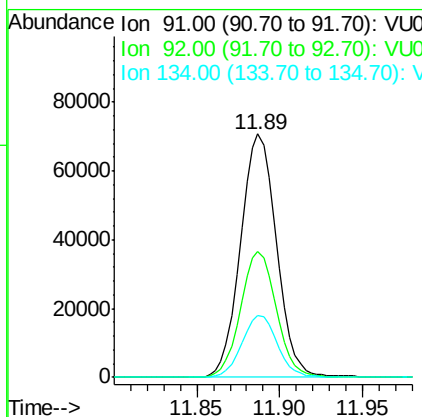
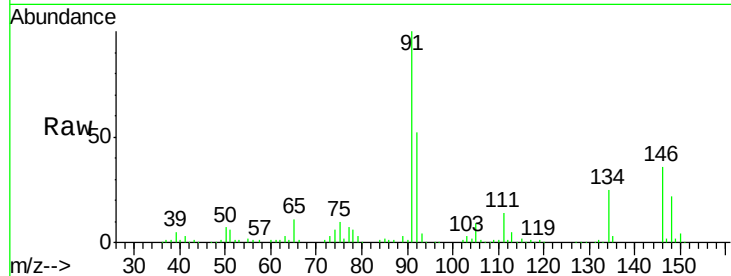
#89
n-Butylbenzene
Concen: 21.291 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.5
134	25.0	12.6	37.6

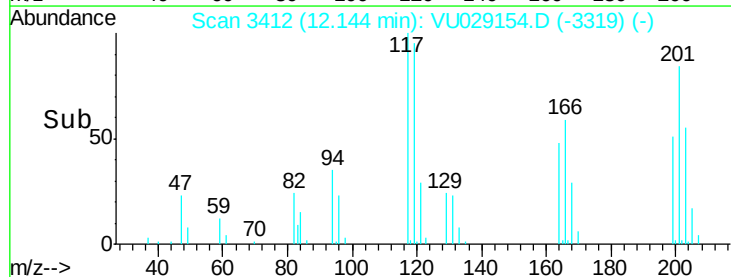
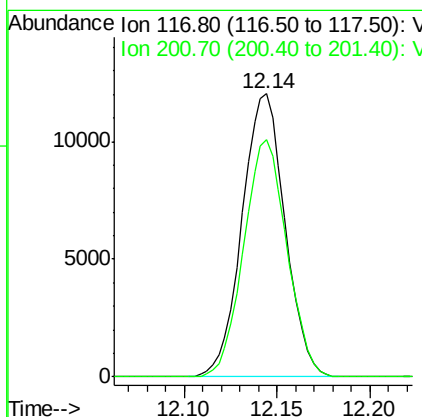
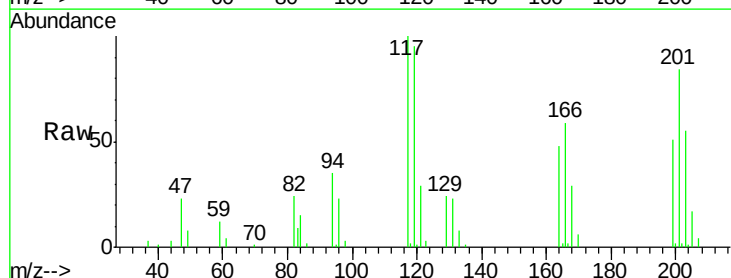
Manual Integrations
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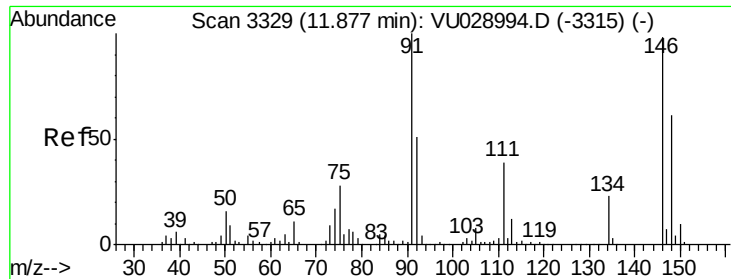
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#90
Hexachloroethane
Concen: 20.502 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	42.4	127.3





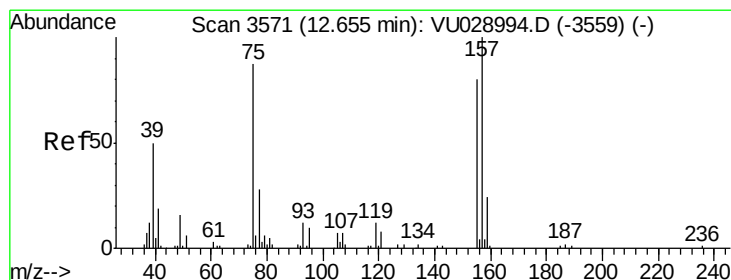
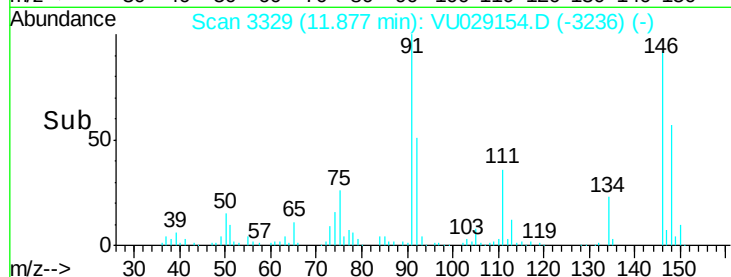
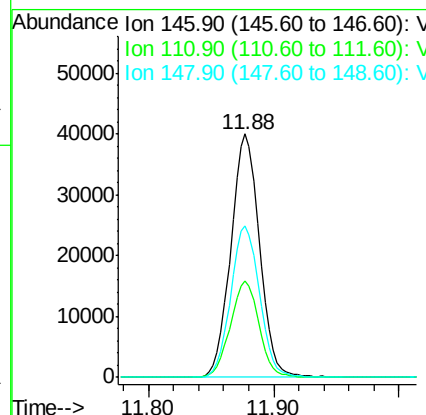
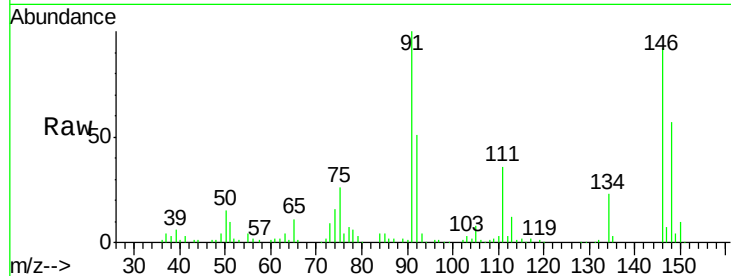
#91
 1,2-Dichlorobenzene
 Concen: 19.827 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.0	59.9
148	62.9	31.6	94.8

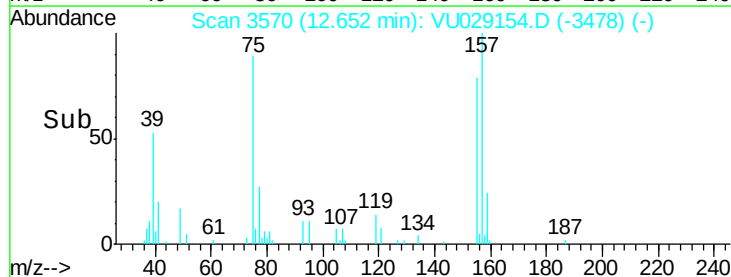
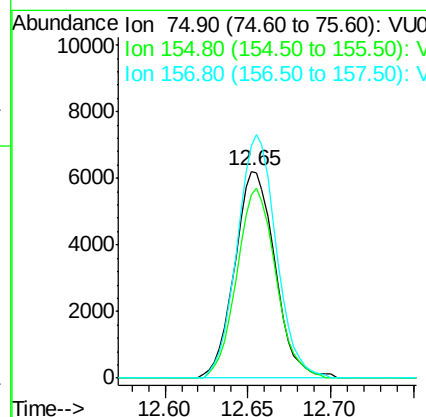
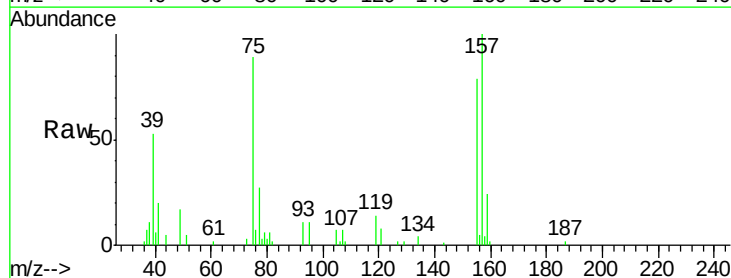
Manual Integrations
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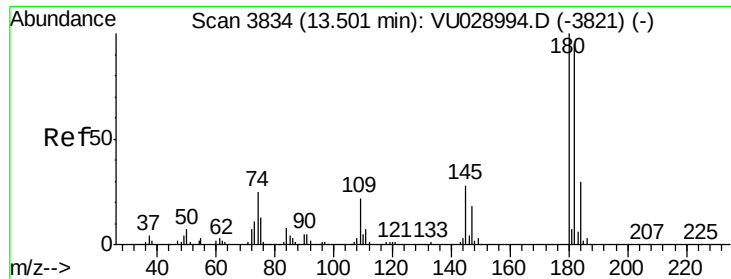
MMDadoda
 1/15/2019 11:29:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.499 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.9	46.3	138.8
157	114.1	57.4	172.0





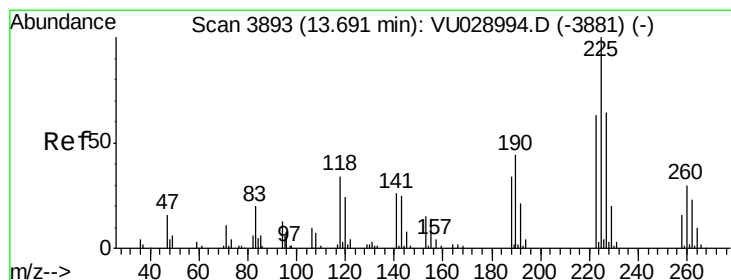
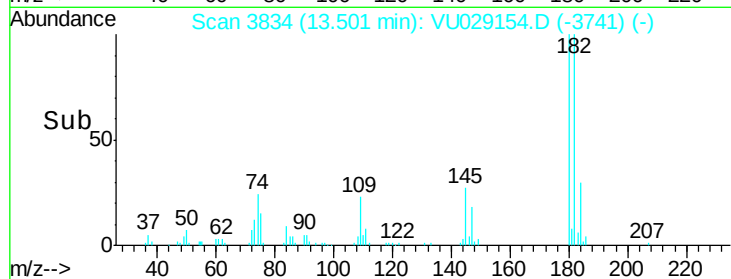
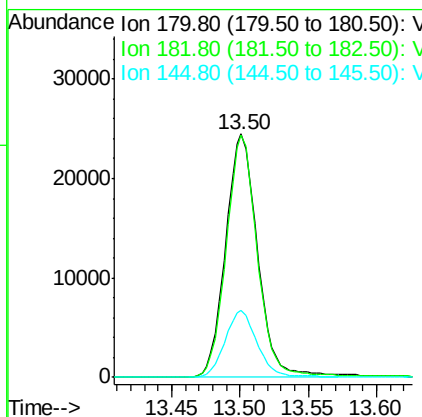
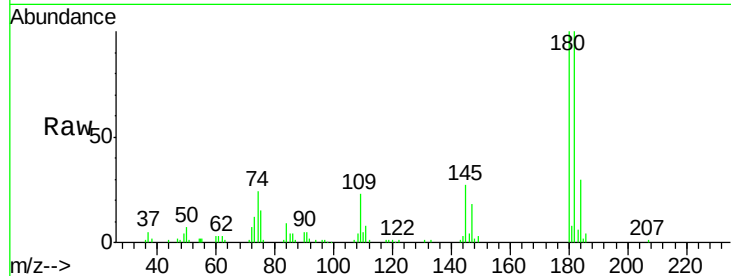
#93
 1,2,4-Trichlorobenzene
 Concen: 19.609 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0114WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	27.4	14.0	42.0

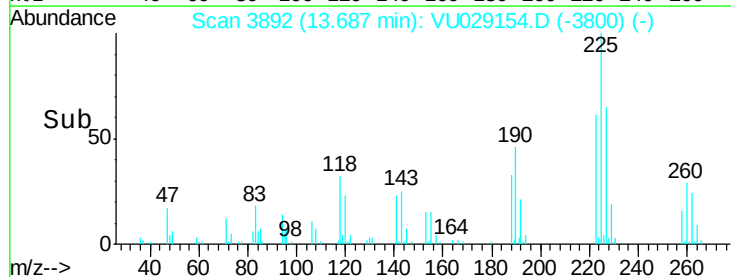
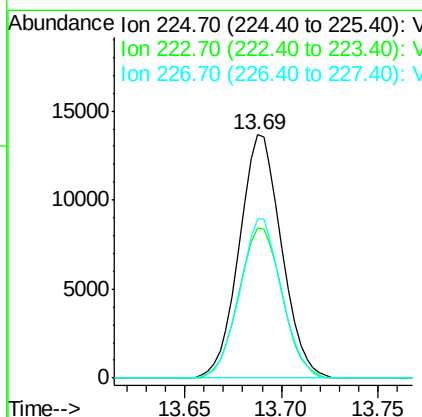
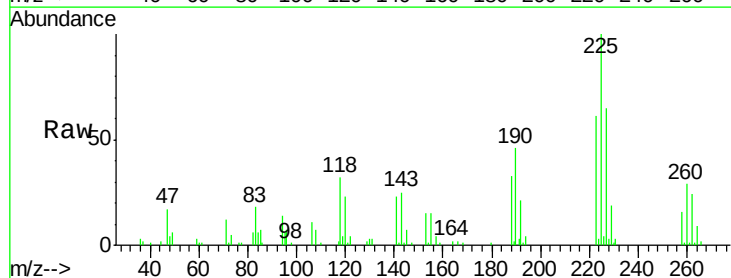
Manual Integrations
 APPROVED

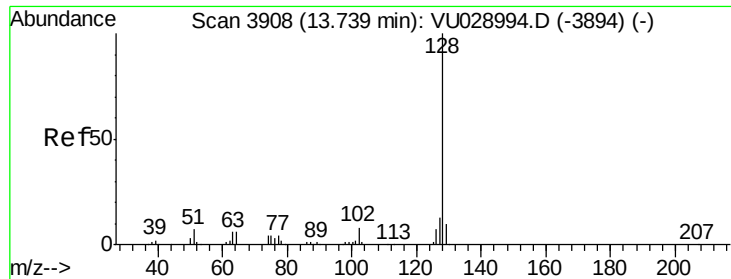
MMDadoda
 1/15/2019 11:29:35 AM



#94
 Hexachlorobutadiene
 Concen: 22.306 ug/l
 RT: 13.69 min Scan# 3892
 Delta R.T. -0.00 min
 Lab File: VU029154.D
 Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	64.7	31.9	95.5





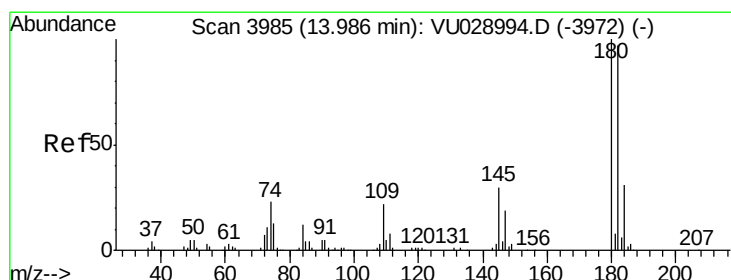
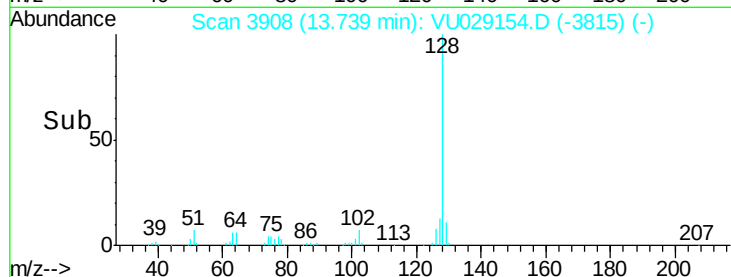
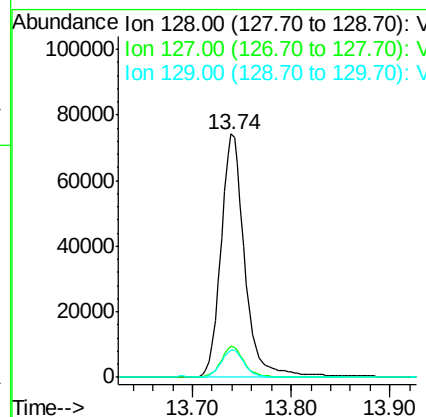
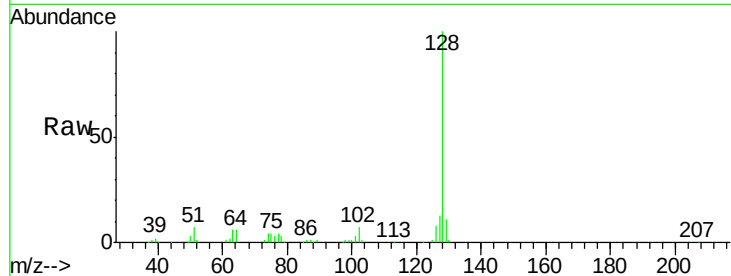
#95
Naphthalene
Concen: 18.155 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Instrument :
MSVOA_U
ClientSampleId :
VU0114WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/15/2019 11:29:35 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.926 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029154.D
Acq: 14 Jan 2019 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.1	144.3
145	30.6	14.8	44.4

