

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011219\
 Data File : VU029146.D
 Acq On : 11 Jan 2019 17:05
 Operator : JC/SP
 Sample : VU0112WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/14/2019 10:59:06 AM

Quant Time: Jan 11 23:55:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	174642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	282628	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	266883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	130564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	119111	55.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.34%	
35) Dibromofluoromethane	4.88	113	98302	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	7.56	98	380023	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	10.30	95	129916	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	34256	19.779	ug/l	96
3) Chloromethane	1.33	50	48968	17.257	ug/l	99
4) Vinyl Chloride	1.40	62	49108	19.241	ug/l	98
5) Bromomethane	1.62	94	27628	19.182	ug/l	99
6) Chloroethane	1.69	64	30231	19.885	ug/l	97
7) Trichlorofluoromethane	1.88	101	55208	19.851	ug/l	99
8) Diethyl Ether	2.10	74	26353	19.723	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37483	20.143	ug/l	98
10) Methyl Iodide	2.41	142	29835	17.051	ug/l	97
11) Tert butyl alcohol	2.83	59	50857	92.675	ug/l	99
12) 1,1-Dichloroethene	2.28	96	34913	19.275	ug/l	98
13) Acrolein	2.19	56	38824	94.218	ug/l	100
14) Allyl chloride	2.59	41	60251	18.129	ug/l	90
15) Acrylonitrile	2.94	53	139339	103.497	ug/l	99
16) Acetone	2.32	43	132983	97.779	ug/l	99
17) Carbon Disulfide	2.48	76	110544	18.075	ug/l	99
18) Methyl Acetate	2.61	43	68623	21.700	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	126833	19.917	ug/l	100
20) Methylene Chloride	2.70	84	44890	19.440	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	40446	19.220	ug/l	99
22) Diisopropyl ether	3.57	45	136915	20.845	ug/l	94
23) Vinyl Acetate	3.52	43	542292	100.993	ug/l	100
24) 1,1-Dichloroethane	3.45	63	77867	20.536	ug/l	99
25) 2-Butanone	4.26	43	189582	103.206	ug/l	99
26) 2,2-Dichloropropane	4.22	77	63910	20.860	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	45922	19.952	ug/l	98
28) Bromochloromethane	4.55	49	36679	22.591	ug/l	96
29) Tetrahydrofuran	4.64	42	116292	104.380	ug/l	98
30) Chloroform	4.67	83	75867	21.007	ug/l	100
31) Cyclohexane	4.99	56	72190	19.484	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	61295	20.540	ug/l	98
36) 1,1-Dichloropropene	5.13	75	55899	19.787	ug/l	98
37) Ethyl Acetate	4.38	43	65215	21.031	ug/l	99
38) Carbon Tetrachloride	5.13	117	50006	21.223	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	65470	18.851	ug/l	99
40) Benzene	5.39	78	179273	20.344	ug/l	99
41) Methacrylonitrile	4.54	41	35302	21.268	ug/l	99
42) 1,2-Dichloroethane	5.40	62	57489	21.711	ug/l	99
43) Isopropyl Acetate	5.55	43	99895	21.001	ug/l	97
44) Trichloroethene	6.18	130	42768	19.588	ug/l	99
45) 1,2-Dichloropropane	6.43	63	48090	20.666	ug/l	100
46) Dibromomethane	6.56	93	31161	20.947	ug/l	98
47) Bromodichloromethane	6.76	83	58325	21.295	ug/l	98
48) Methyl methacrylate	6.62	41	48537	20.956	ug/l	99
49) 1,4-Dioxane	6.61	88	21755	396.339	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	341157	105.385	ug/l	98
52) Toluene	7.64	92	108293	20.187	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	65079	19.780	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	71766	20.186	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	45250	21.055	ug/l	96
56) Ethyl methacrylate	8.02	69	64580	19.505	ug/l	96
57) 1,3-Dichloropropane	8.24	76	76685	20.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	143006	98.214	ug/l	98
59) 2-Hexanone	8.36	43	265893	104.636	ug/l	98
60) Dibromochloromethane	8.48	129	43043	20.216	ug/l	96
61) 1,2-Dibromoethane	8.58	107	47795	20.506	ug/l	99
64) Tetrachloroethene	8.22	164	38010	19.771	ug/l	98
65) Chlorobenzene	9.12	112	115065	19.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	39786	20.494	ug/l	99
67) Ethyl Benzene	9.25	91	194560	19.480	ug/l	100
68) m/p-Xylenes	9.37	106	149977	38.647	ug/l	100
69) o-Xylene	9.78	106	73298	19.602	ug/l	99
70) Styrene	9.79	104	118026	19.254	ug/l	98
71) Bromoform	9.96	173	33988	19.662	ug/l #	99
73) Isopropylbenzene	10.16	105	189964	19.657	ug/l	100
74) N-amyl acetate	10.01	43	83312	20.006	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	78514	20.271	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	64520m	20.169	ug/l	
77) Bromobenzene	10.45	156	49449	19.635	ug/l	99
78) n-propylbenzene	10.58	91	226524	19.890	ug/l	99
79) 2-Chlorotoluene	10.66	91	136358	19.737	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	160214	19.852	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	20103m	16.207	ug/l	
82) 4-Chlorotoluene	10.77	91	151793	19.161	ug/l	98
83) tert-Butylbenzene	11.10	119	151719	19.074	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	158691	19.695	ug/l	100
85) sec-Butylbenzene	11.32	105	192255	19.985	ug/l	100
86) p-Isopropyltoluene	11.48	119	162407	19.812	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	86939	18.820	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	88721	18.607	ug/l	98
89) n-Butylbenzene	11.89	91	145821	19.931	ug/l	99
90) Hexachloroethane	12.14	117	26381	19.130	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	88827	19.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	15273	20.502	ug/l	95

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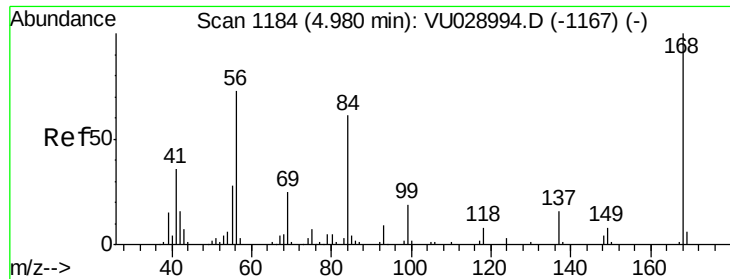
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	54692	18.414	ug/l	99
94) Hexachlorobutadiene	13.69	225	28264	20.805	ug/l	100
95) Naphthalene	13.74	128	178257	17.643	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	59612	19.969	ug/l	96

(#) = 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: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion:168 Resp: 174642

Ion Ratio Lower Upper

168 100

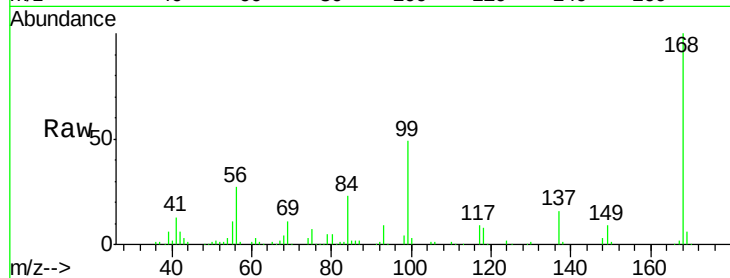
99 48.9 42.0 63.0

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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) (-)

80000

60000

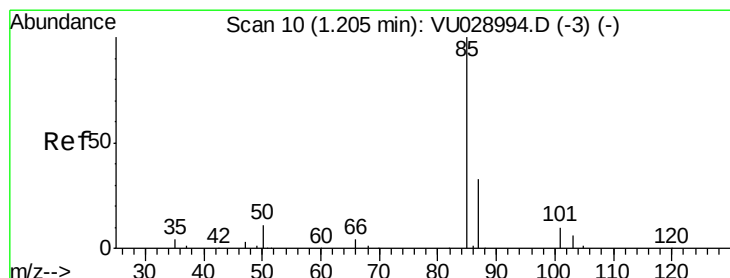
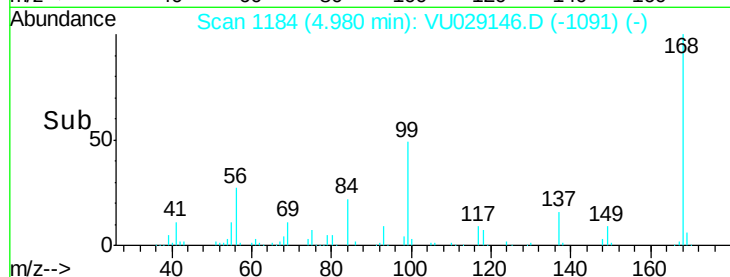
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.779 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029146.D

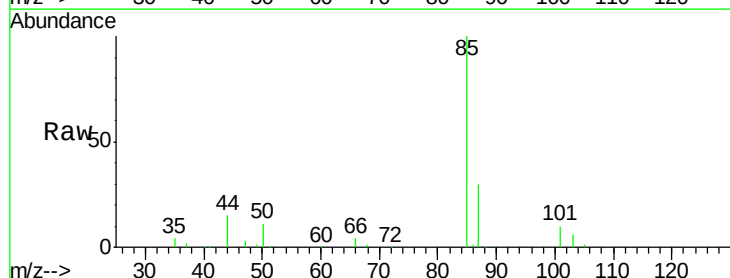
Acq: 11 Jan 2019 17:05

Tgt Ion: 85 Resp: 34256

Ion Ratio Lower Upper

85 100

87 30.4 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) (-)

40000

30000

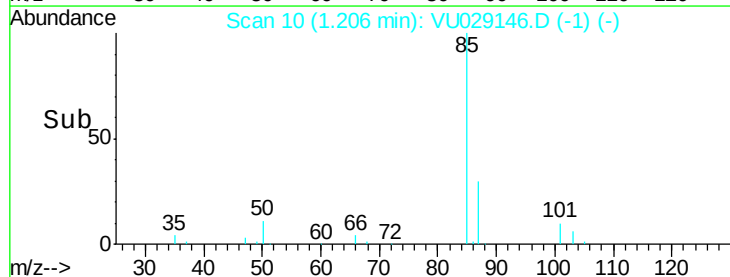
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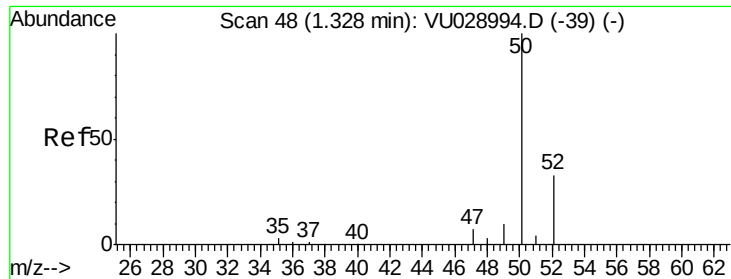
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.257 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 50 Resp: 48968

Ion Ratio Lower Upper

50 100

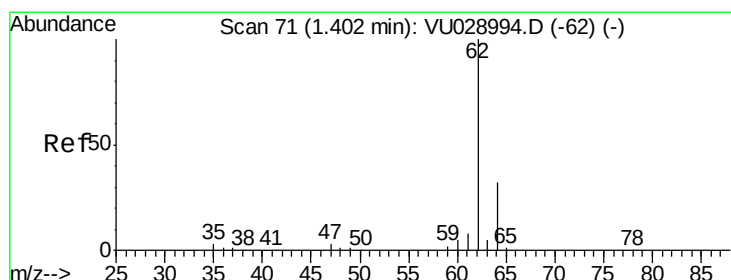
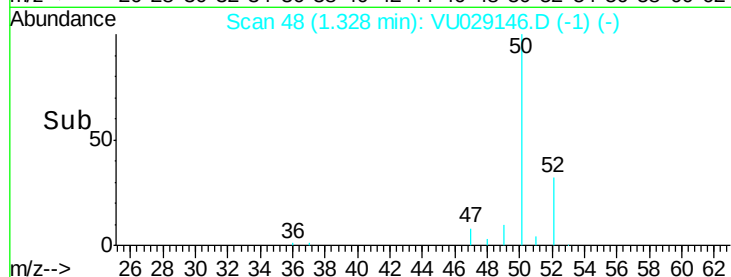
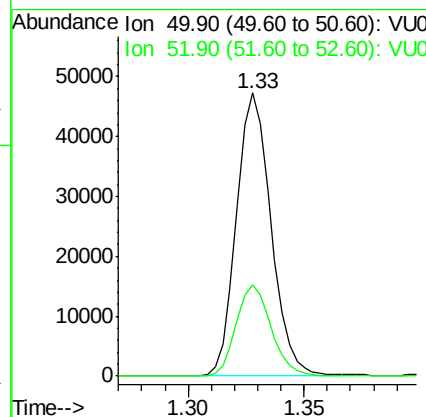
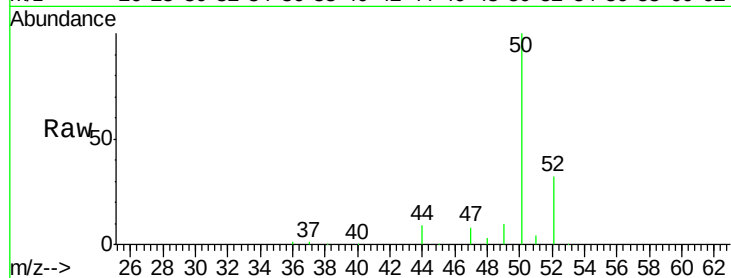
52 32.1 26.1 39.1

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#4

Vinyl Chloride

Concen: 19.241 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029146.D

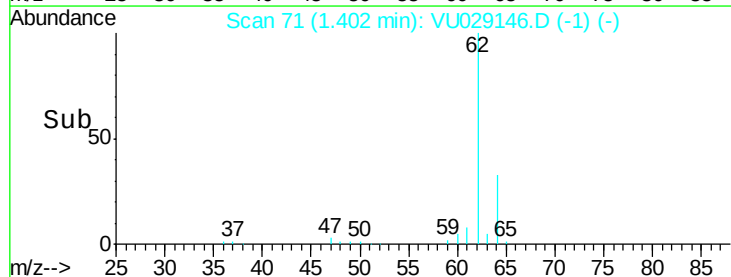
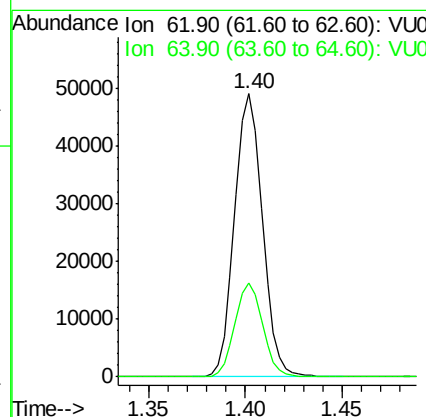
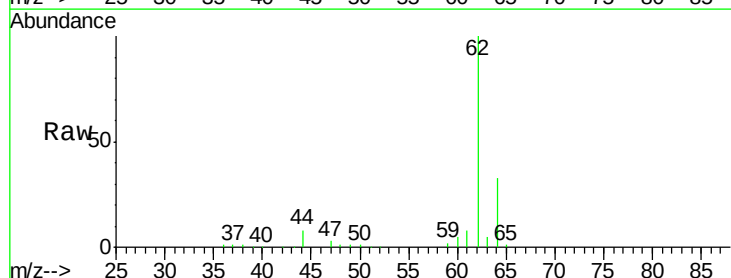
Acq: 11 Jan 2019 17:05

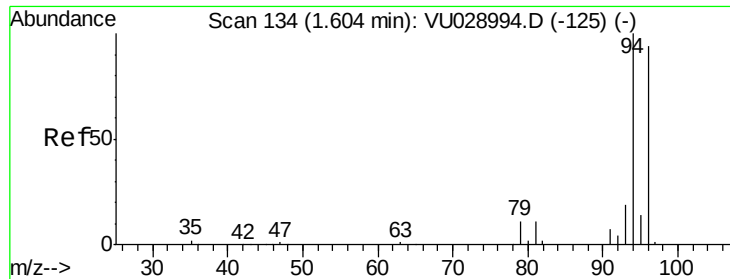
Tgt Ion: 62 Resp: 49108

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9





#5

Bromomethane

Concen: 19.182 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.02 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 94 Resp: 27628

Ion Ratio Lower Upper

94 100

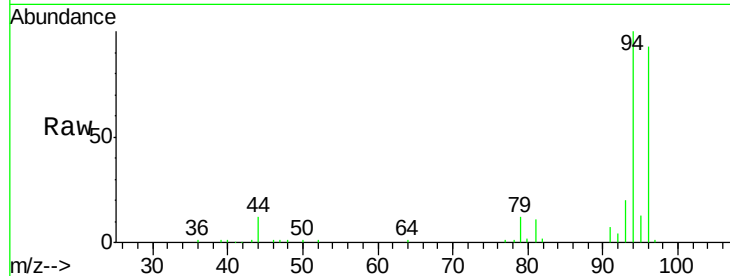
96 93.2 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

25000

20000

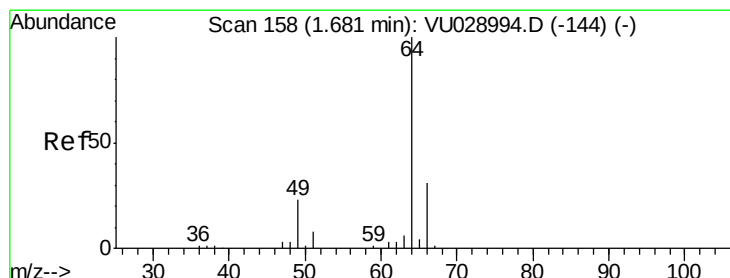
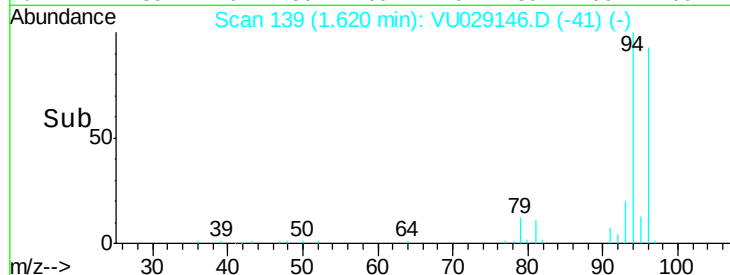
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.885 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.01 min

Lab File: VU029146.D

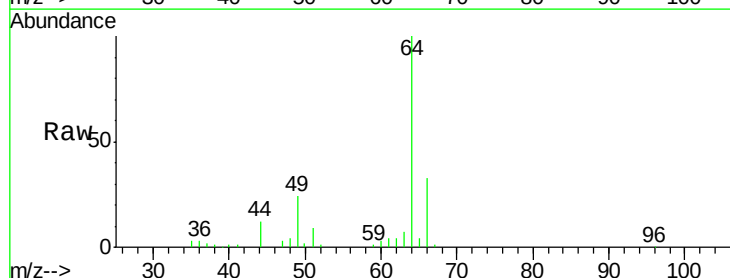
Acq: 11 Jan 2019 17:05

Tgt Ion: 64 Resp: 30231

Ion Ratio Lower Upper

64 100

66 33.1 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.69

25000

20000

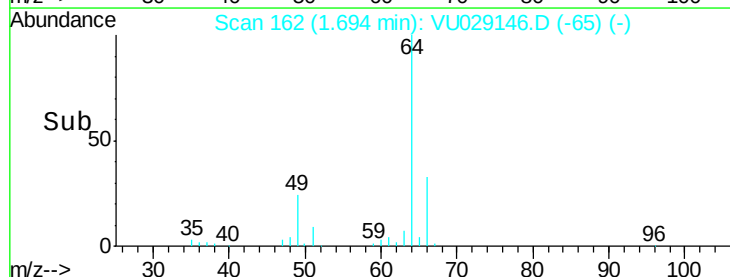
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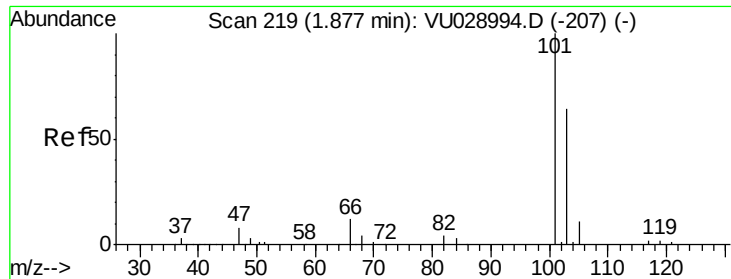
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5000

0

Time-->





#7

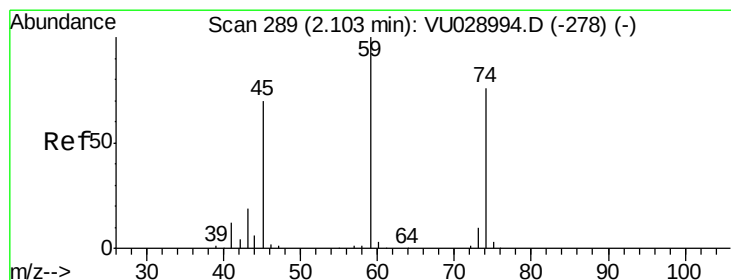
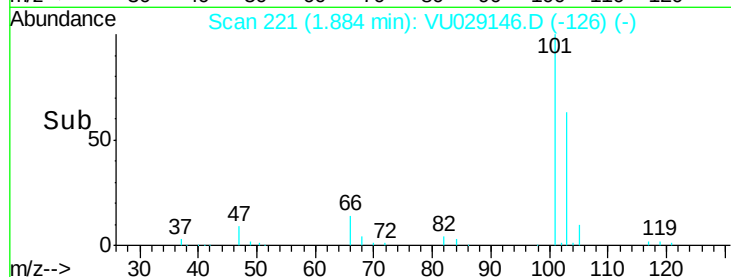
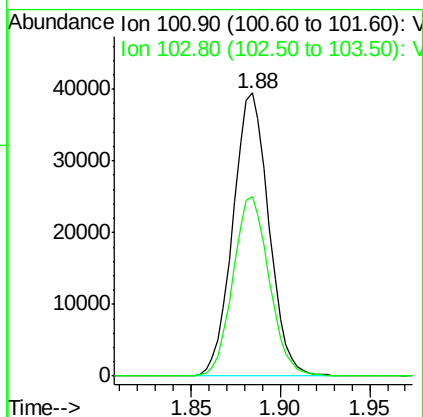
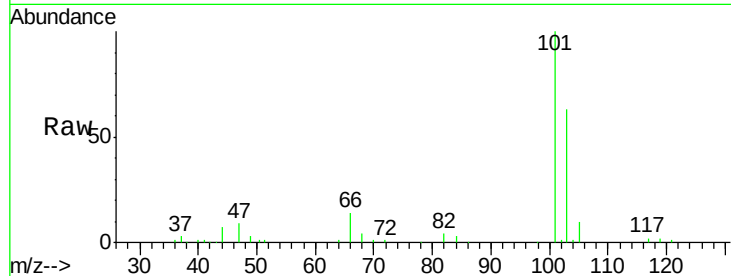
Trichlorofluoromethane
Concen: 19.851 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.01 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion:101 Resp: 55208
Ion Ratio Lower Upper
101 100
103 63.4 51.5 77.3

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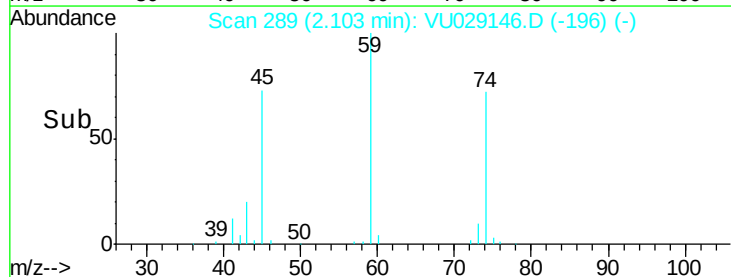
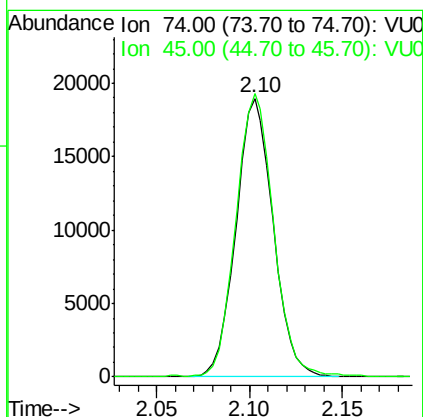
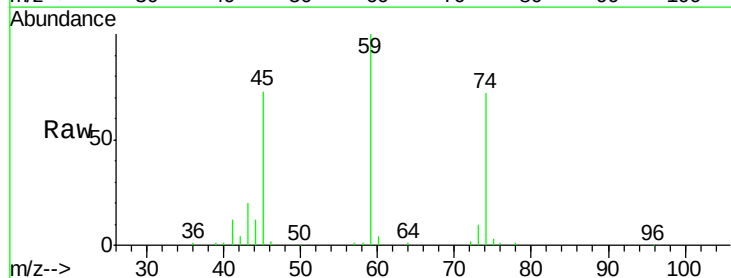
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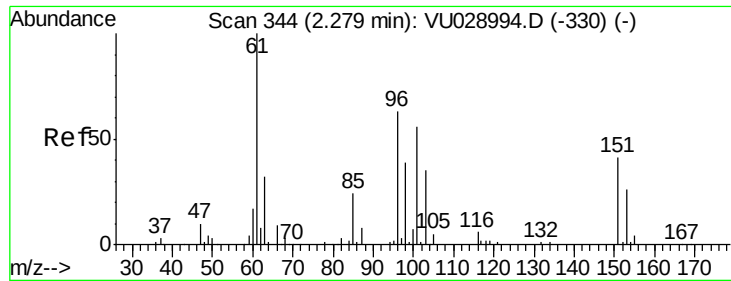


#8

Diethyl Ether
Concen: 19.723 ug/l
RT: 2.10 min Scan# 289
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 74 Resp: 26353
Ion Ratio Lower Upper
74 100
45 103.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.143 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

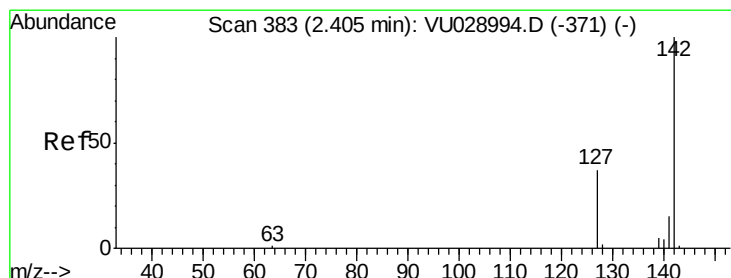
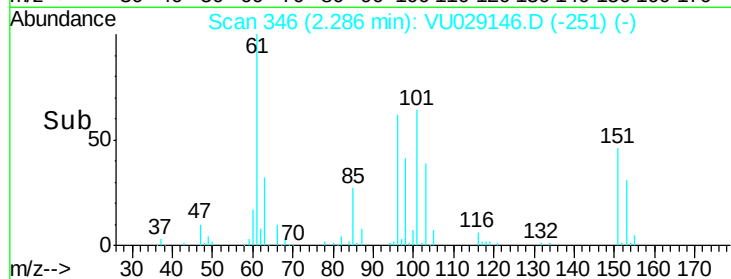
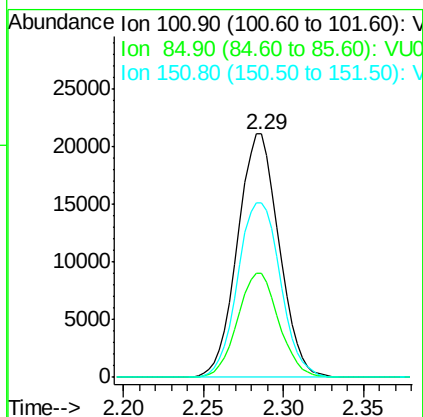
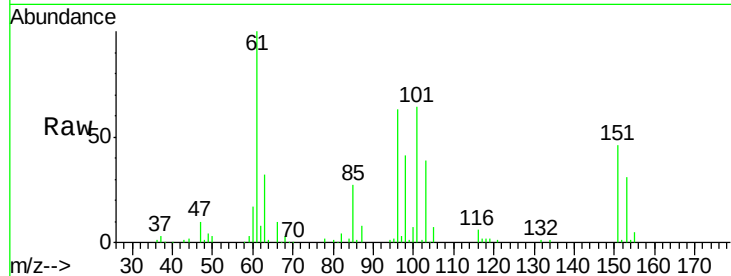
ClientSampleId :

VU0112WBSD01

Tot Ion:	101	Resp:	37483
Ion Ratio	Lower	Upper	
101	100		
85	42.5	35.1	52.7
151	73.9	60.2	90.2

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#10

Methyl Iodide

Concen: 17.051 ug/l

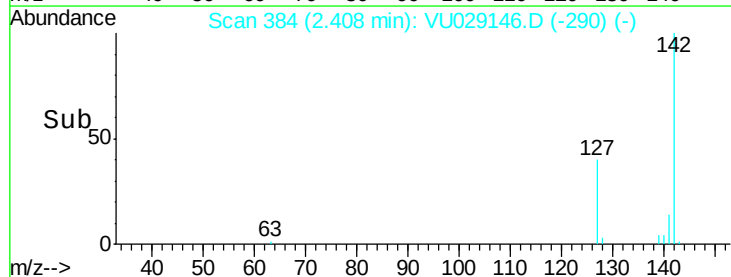
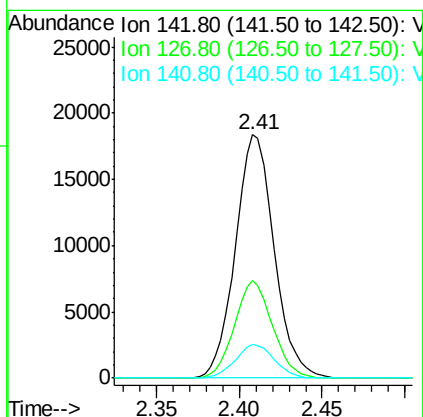
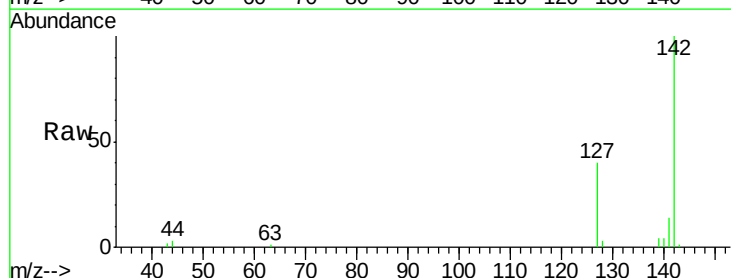
RT: 2.41 min Scan# 384

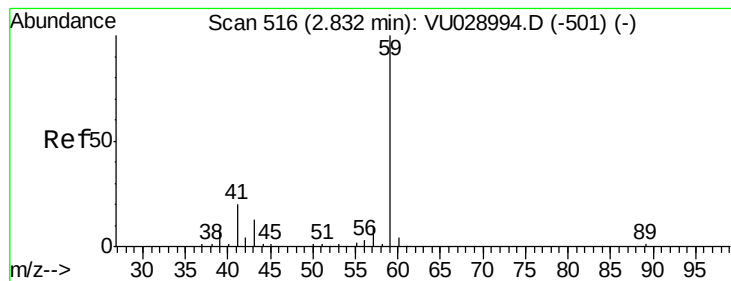
Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion:	142	Resp:	29835
Ion Ratio	Lower	Upper	
142	100		
127	39.1	29.8	44.6
141	13.8	11.5	17.3





#11

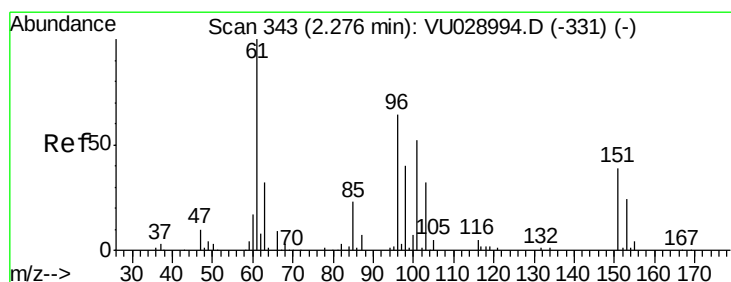
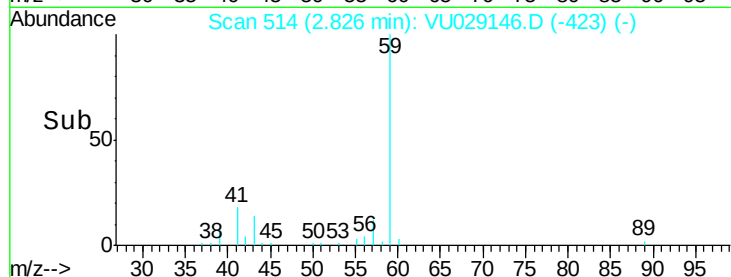
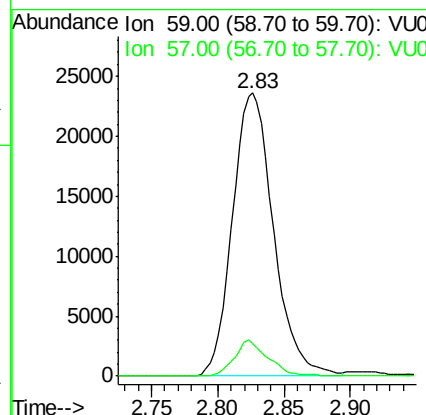
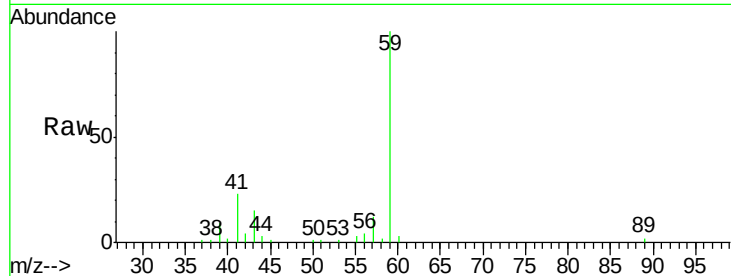
Tert butyl alcohol
Concen: 92.675 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

Manual Integrations
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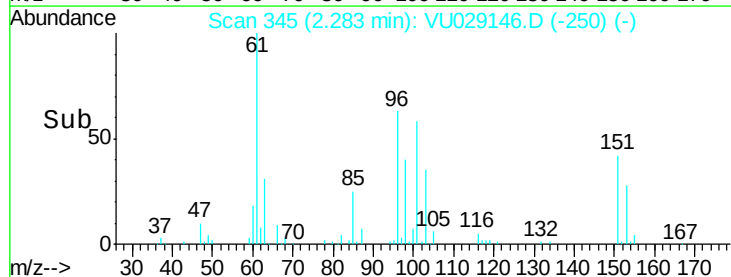
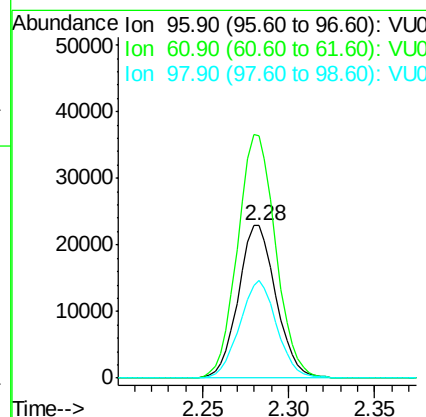
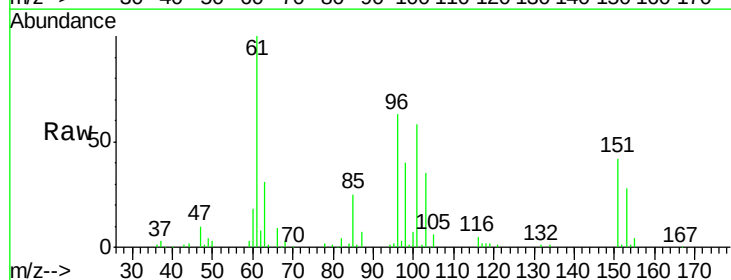
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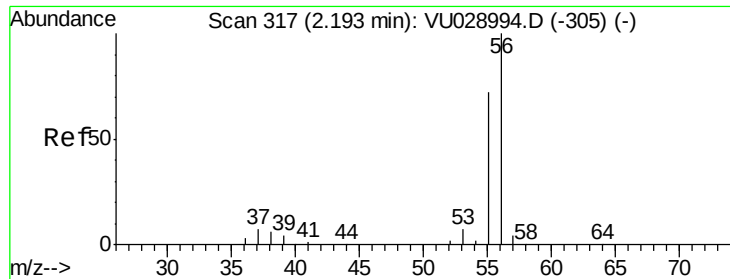


#12

1,1-Dichloroethene
Concen: 19.275 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.01 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	125.4	188.0
98	63.8	49.7	74.5





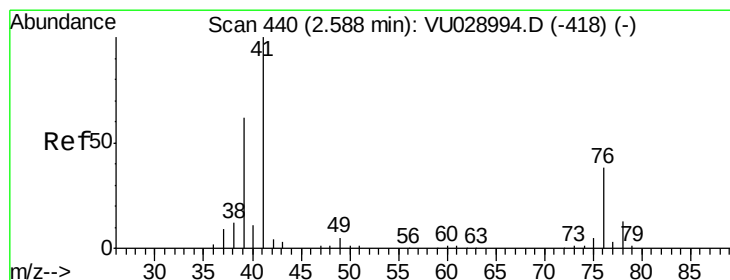
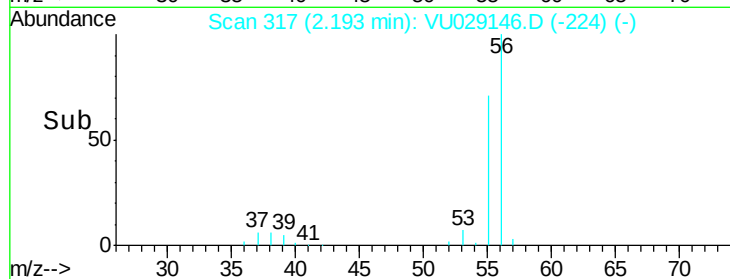
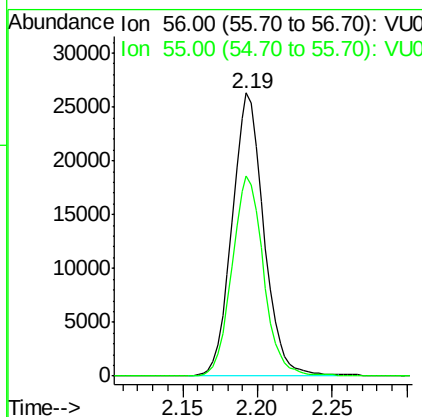
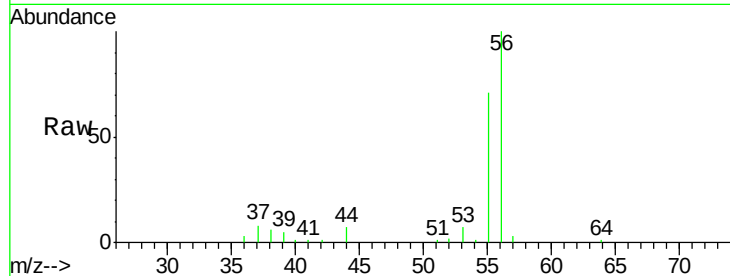
#13
Acrolein
Concen: 94.218 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	56	55	Resp	38824
Ion Ratio	100	70.3	Lower	Upper
			56.5	84.7

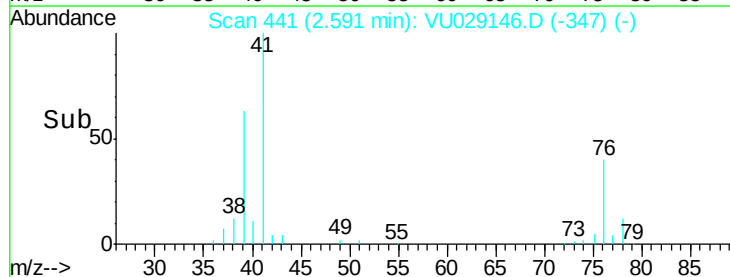
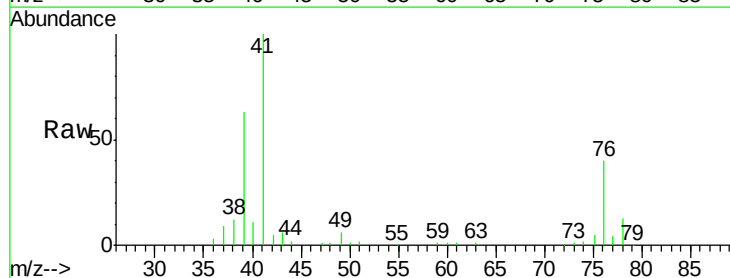
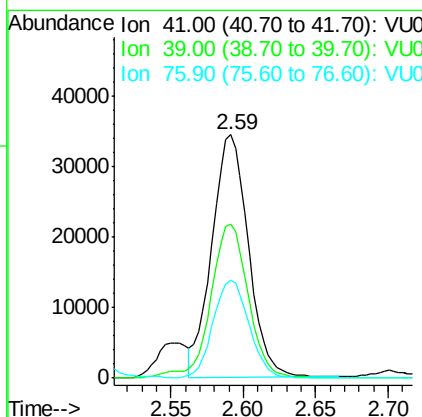
Manual Integrations
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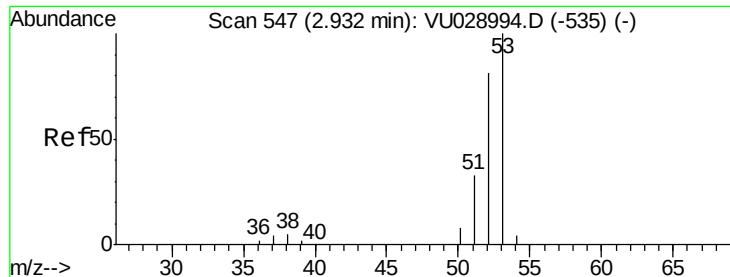
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#14
Allyl chloride
Concen: 18.129 ug/l
RT: 2.59 min Scan# 441
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	41	39	76	Resp	60251
Ion Ratio	100	64.9	39.6	Lower	Upper
				45.0	67.6
				28.1	42.1





#15

Acrylonitrile

Concen: 103.497 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

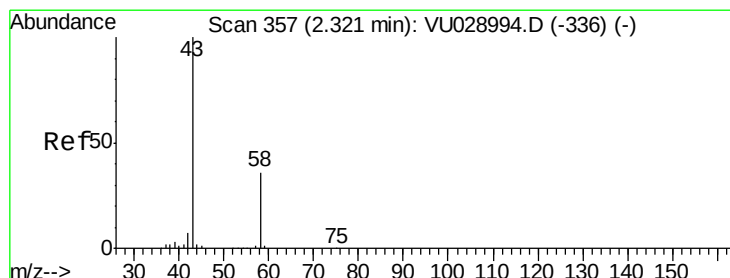
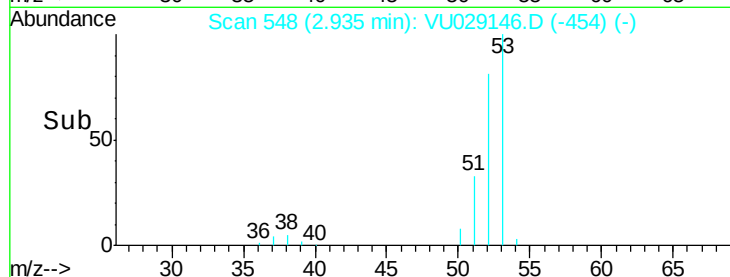
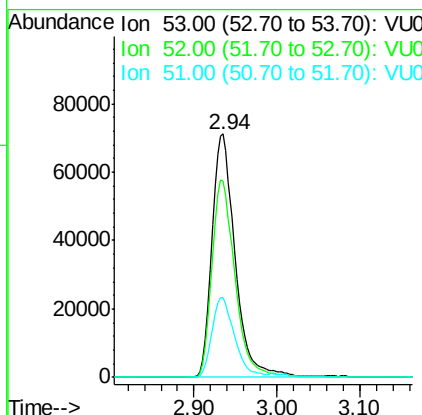
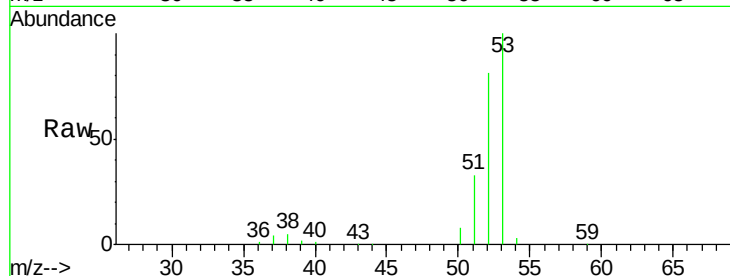
ClientSampleId :

VU0112WBSD01

Tot Ion:	53	Resp:	139339
Ion	Ratio	Lower	Upper
53	100		
52	80.7	64.8	97.2
51	32.0	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 97.779 ug/l

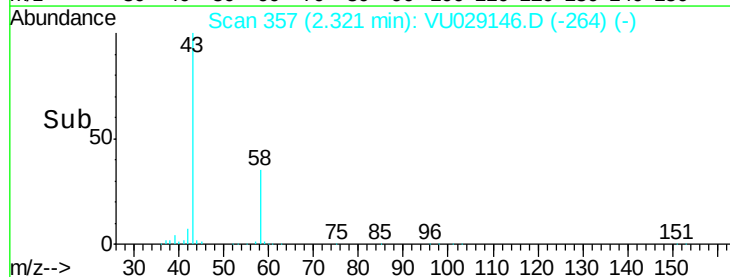
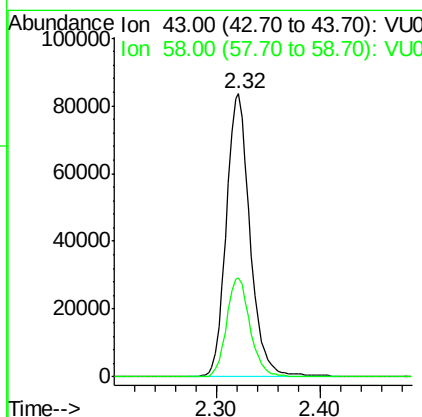
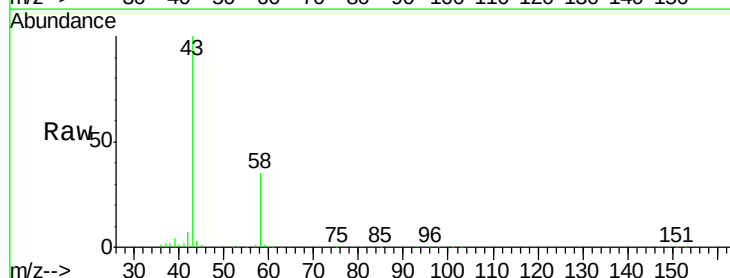
RT: 2.32 min Scan# 357

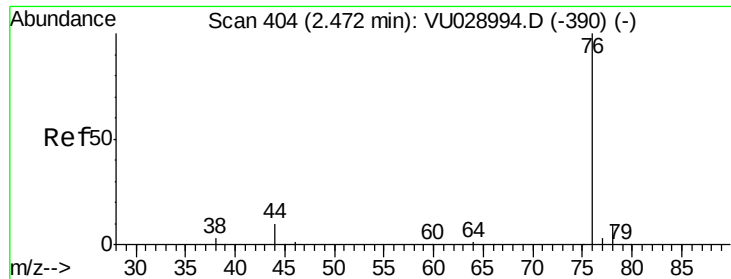
Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion:	43	Resp:	132983
Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.6	42.8





#17

Carbon Disulfide

Concen: 18.075 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 76 Resp: 110544

Ion Ratio Lower Upper

76 100

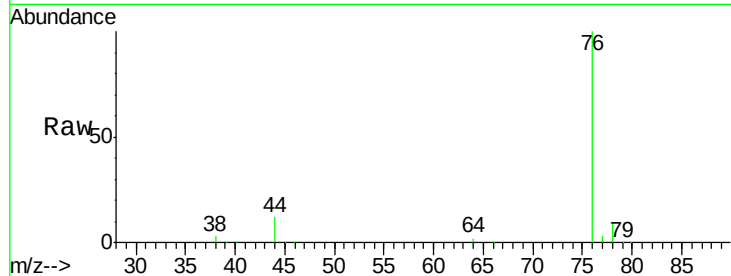
78 9.3 7.2 10.8

Manual Integrations

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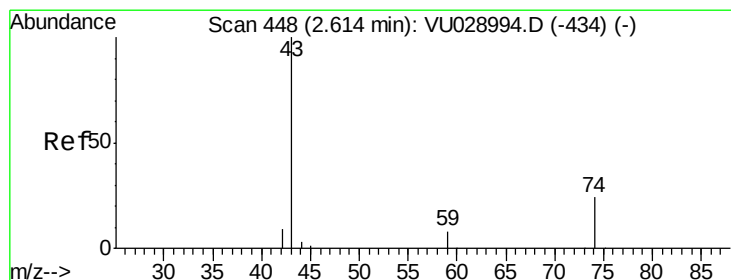
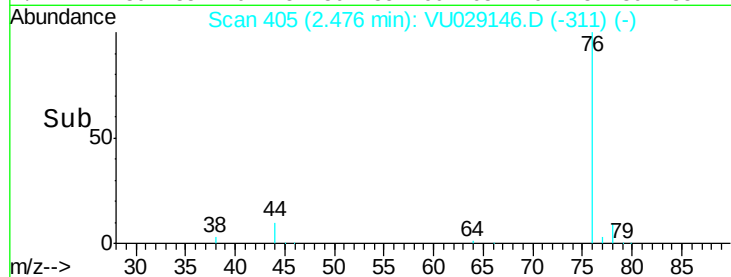
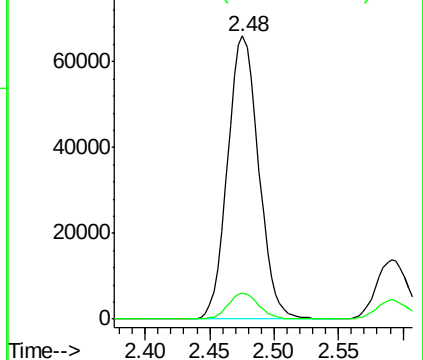
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.700 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU029146.D

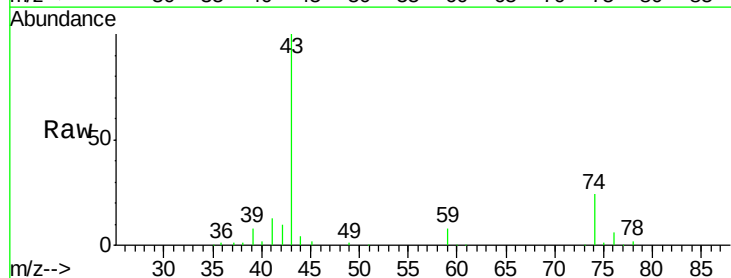
Acq: 11 Jan 2019 17:05

Tgt Ion: 43 Resp: 68623

Ion Ratio Lower Upper

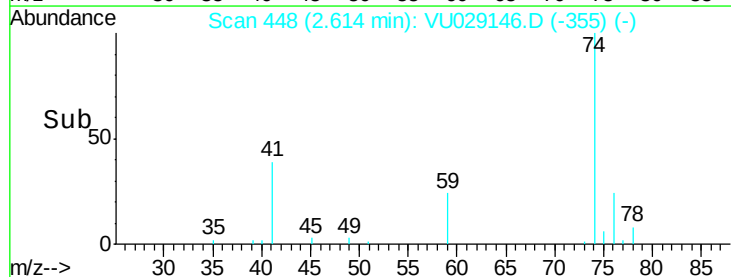
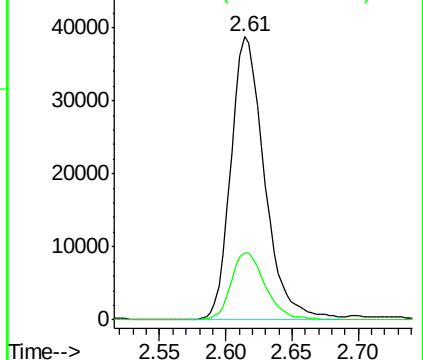
43 100

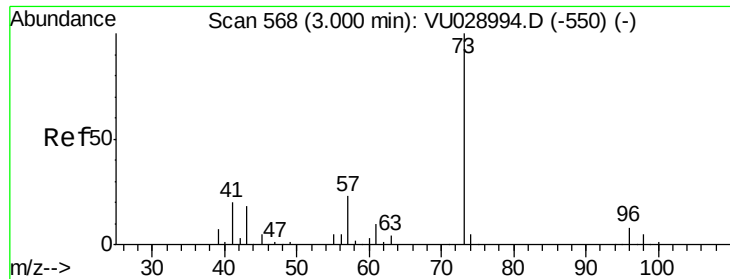
74 24.1 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





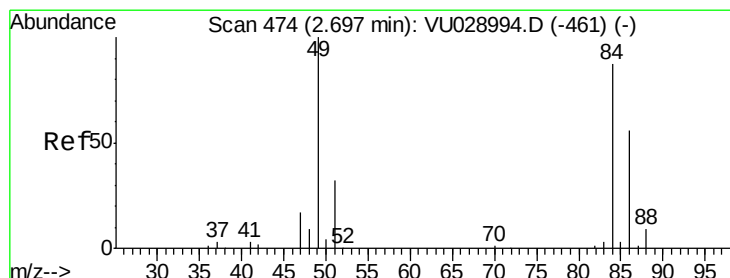
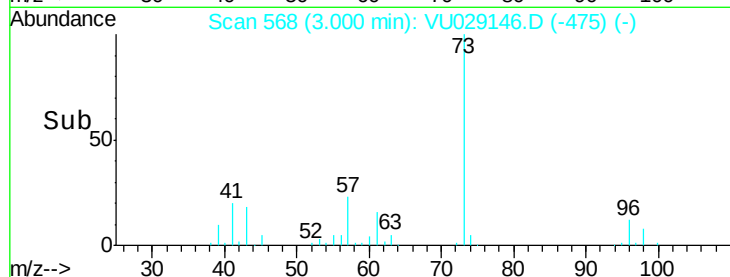
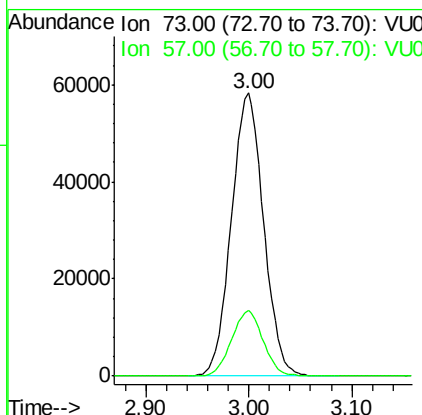
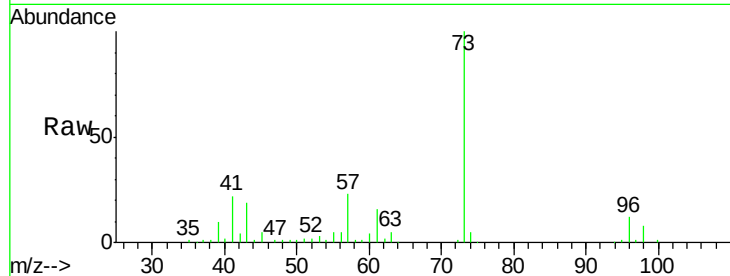
#19
Methyl tert-butyl Ether
Concen: 19.917 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion: 73 Resp: 126833
Ion Ratio Lower Upper
73 100
57 23.1 18.6 28.0

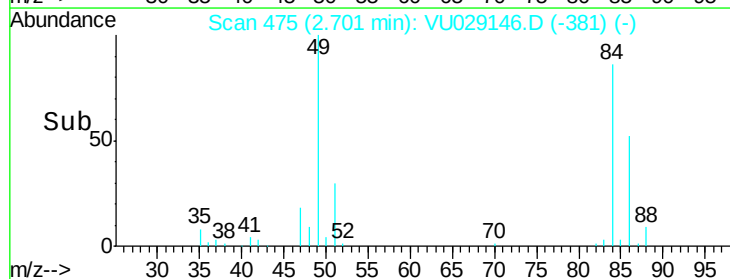
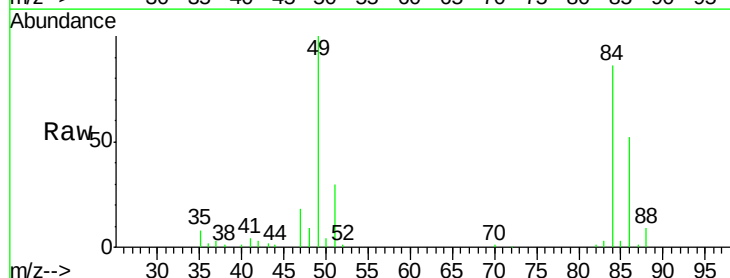
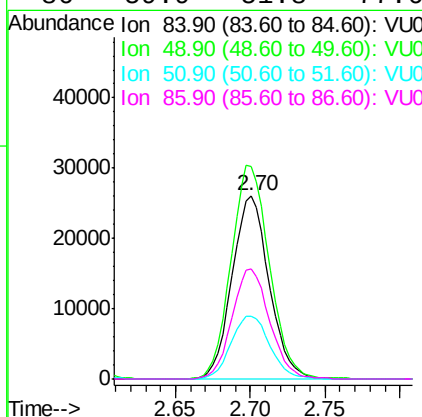
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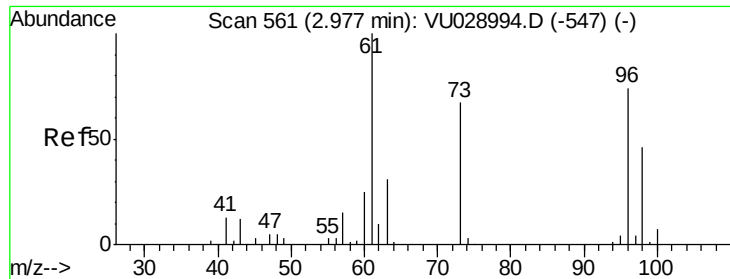
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#20
Methylene Chloride
Concen: 19.440 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 84 Resp: 44890
Ion Ratio Lower Upper
84 100
49 116.2 91.9 137.9
51 34.4 29.2 43.8
86 59.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 96 Resp: 40446

Ion Ratio Lower Upper

96 100

61 136.6 107.7 161.5

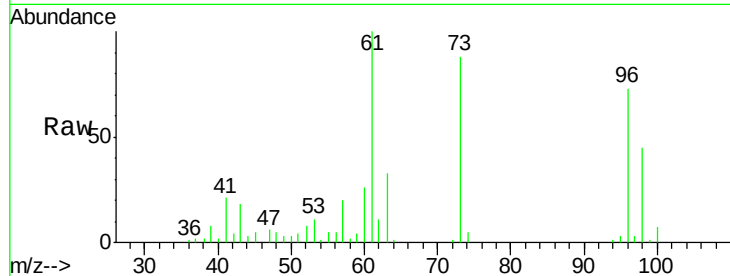
98 61.5 49.2 73.8

Manual Integrations

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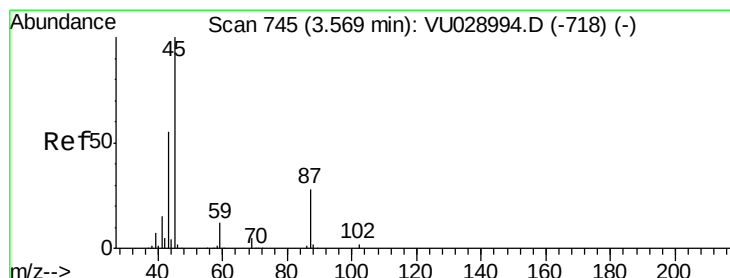
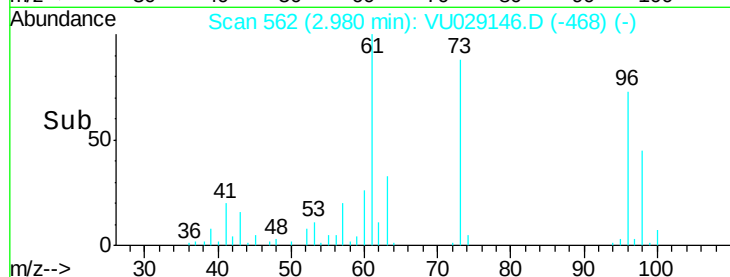
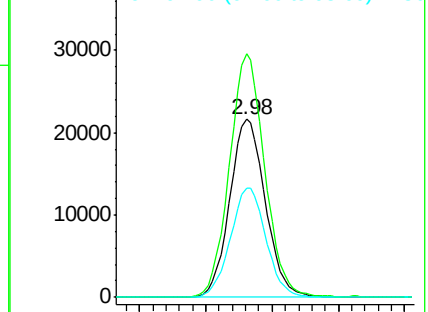


Abundance

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: 20.845 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion: 45 Resp: 136915

Ion Ratio Lower Upper

45 100

43 62.0 44.7 67.1

87 26.0 22.2 33.2

59 13.1 9.8 14.8

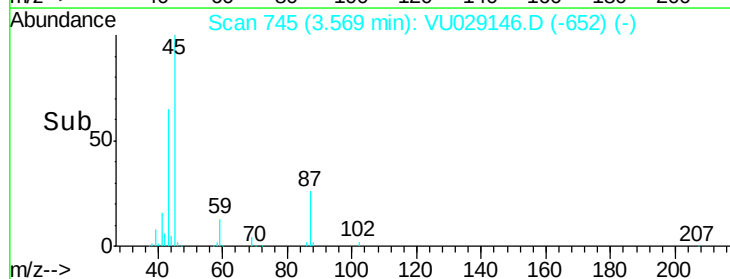
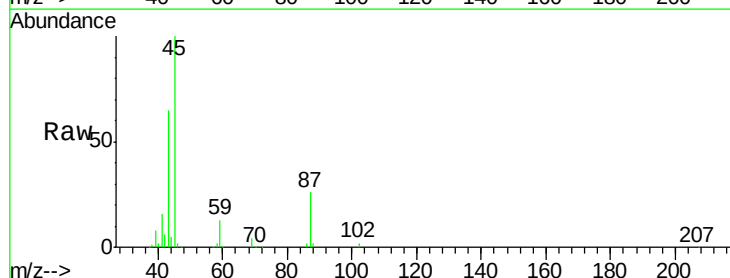
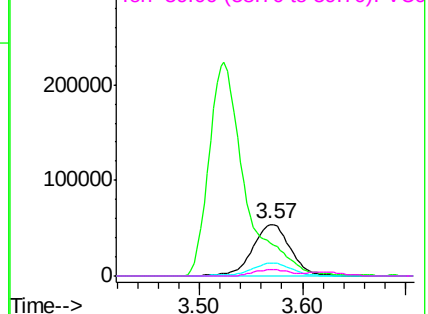
Abundance

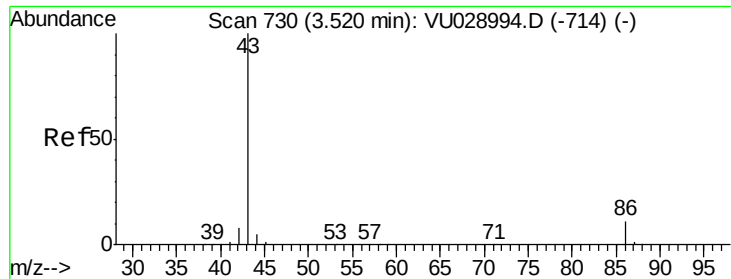
Ion 45.00 (44.70 to 45.70): VU0

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: 100.993 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tot Ion: 43 Resp: 542292

Ion Ratio Lower Upper

43 100

86 10.7 8.6 13.0

Instrument :

MSVOA_U

ClientSampleID :

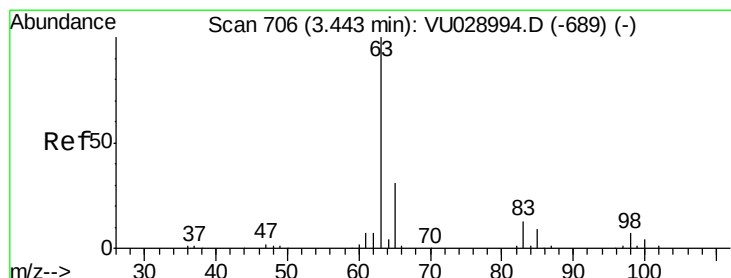
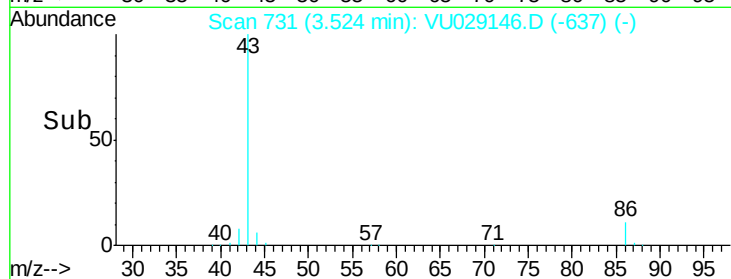
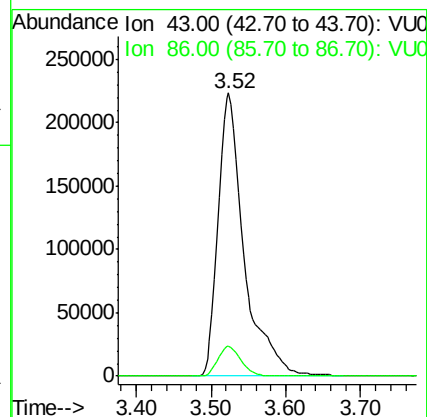
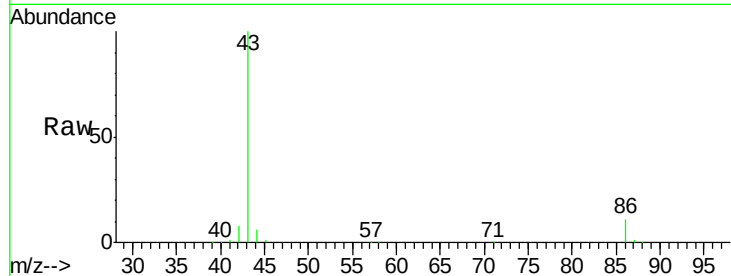
VU0112WBSD01

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#24

1,1-Dichloroethane

Concen: 20.536 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

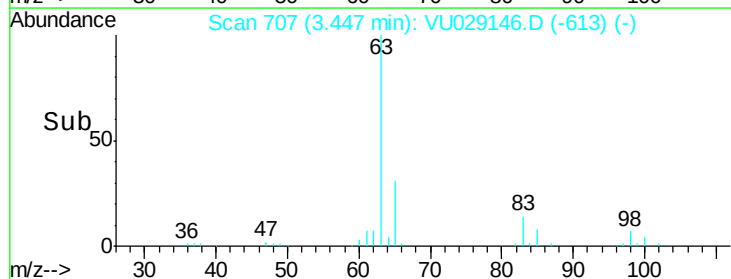
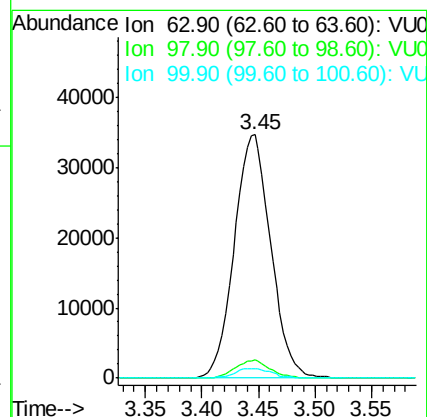
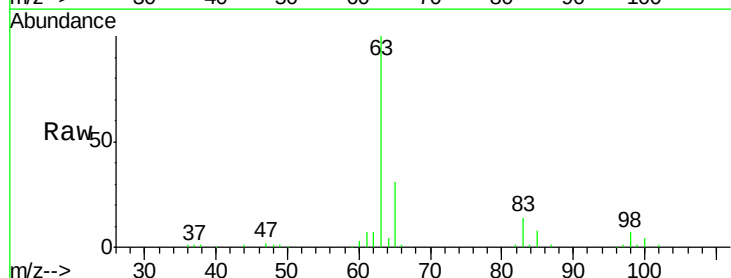
Tgt Ion: 63 Resp: 77867

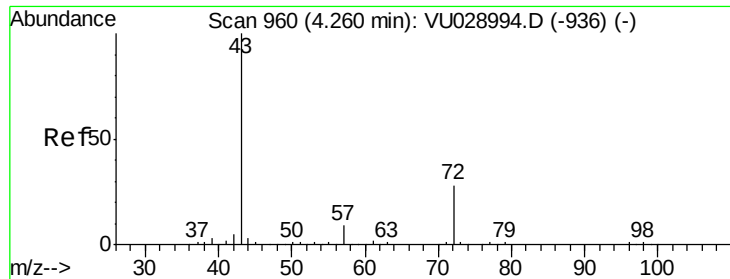
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 3.8 2.0 5.8





#25

2-Butanone

Concen: 103.206 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 43 Resp: 189582

Ion Ratio Lower Upper

43 100

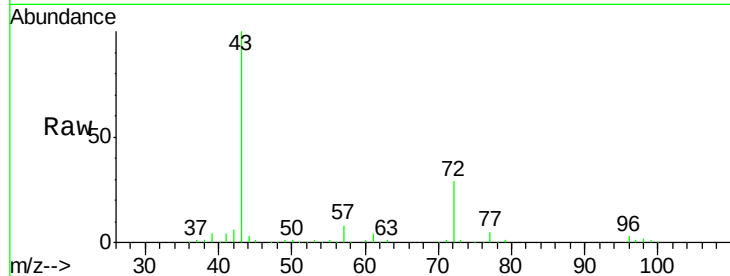
72 28.8 22.6 33.8

Manual Integrations

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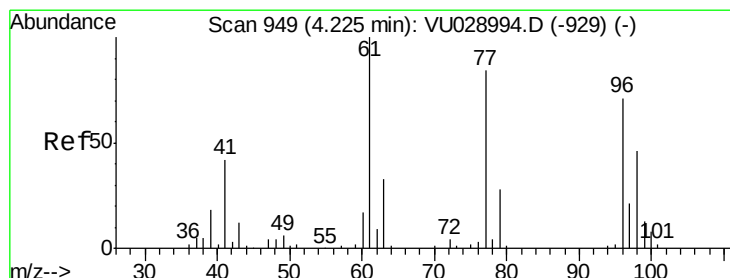
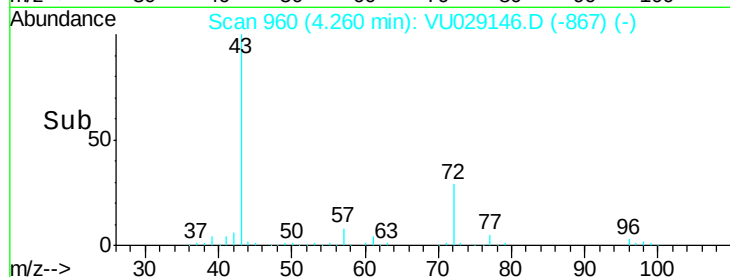
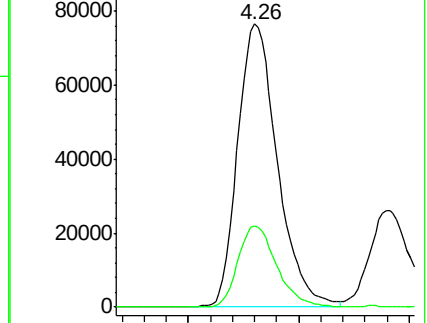
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 20.860 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029146.D

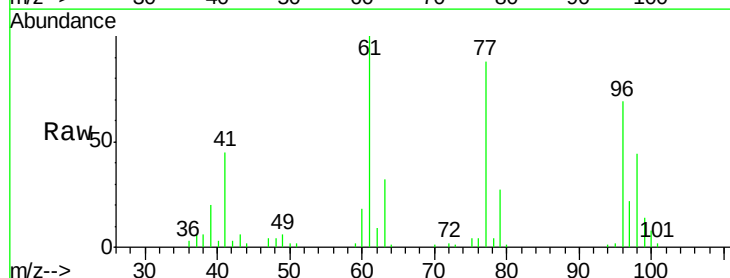
Acq: 11 Jan 2019 17:05

Tgt Ion: 77 Resp: 63910

Ion Ratio Lower Upper

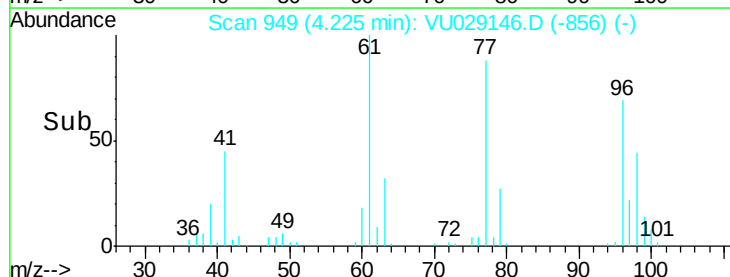
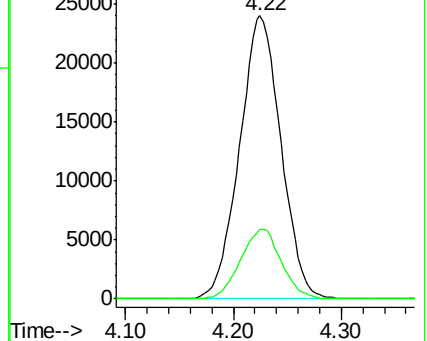
77 100

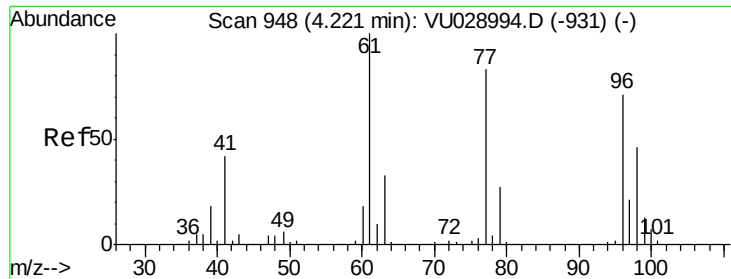
97 24.1 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

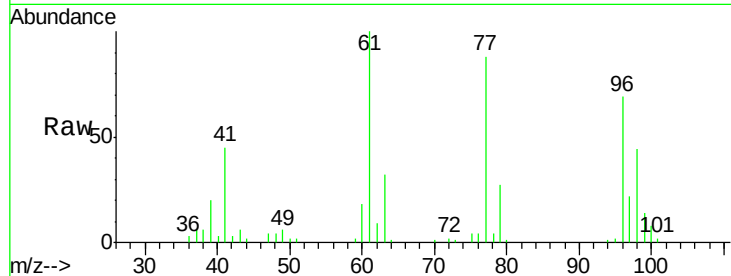
cis-1,2-Dichloroethene
Concen: 19.952 ug/l
RT: 4.22 min Scan# 949
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampled :
VU0112WBSD01

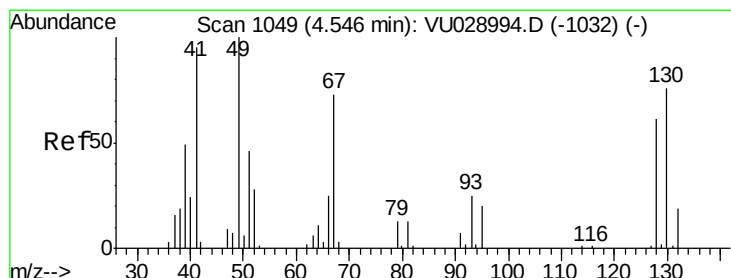
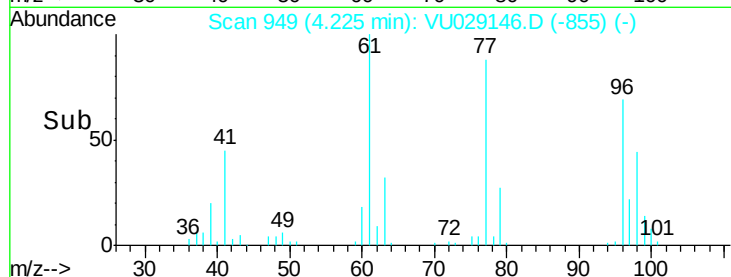
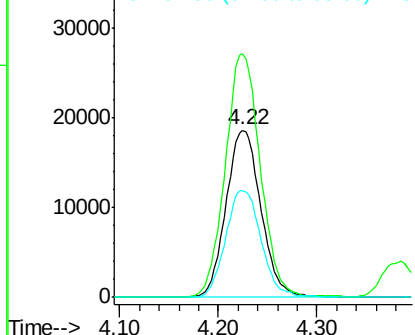
Tot Ion	Ratio	Resp	Lower	Upper
96	100	45922		
61	146.2		0.0	285.6
98	64.9		0.0	130.2

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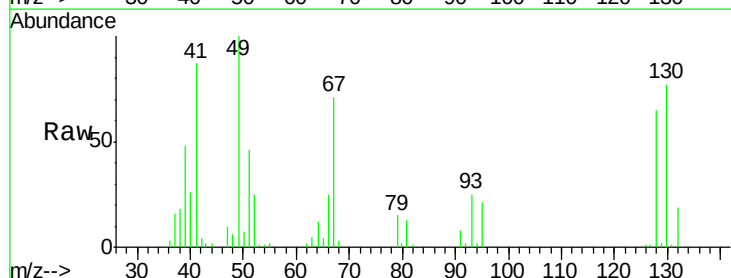
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



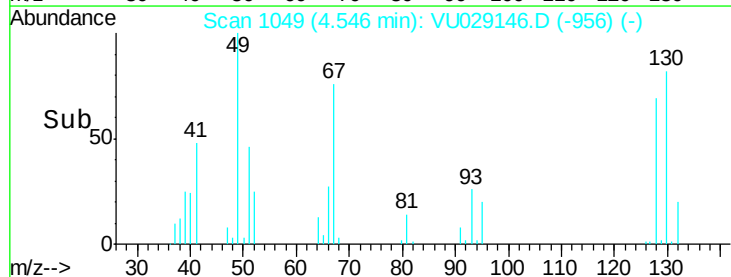
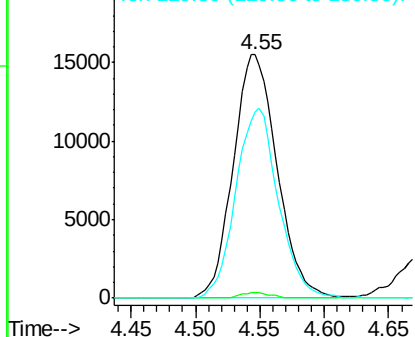
#28

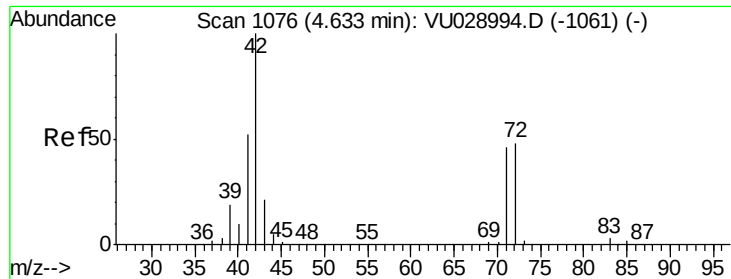
Bromochloromethane
Concen: 22.591 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36679		
129	1.5		0.0	3.4
130	75.3		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





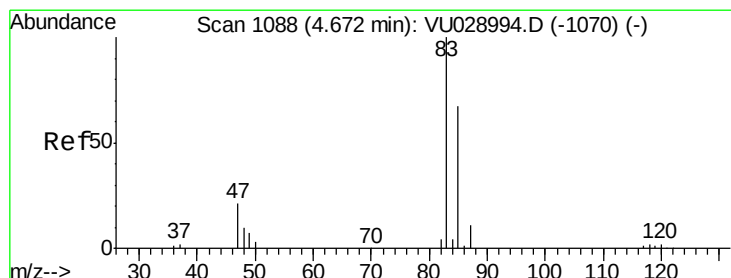
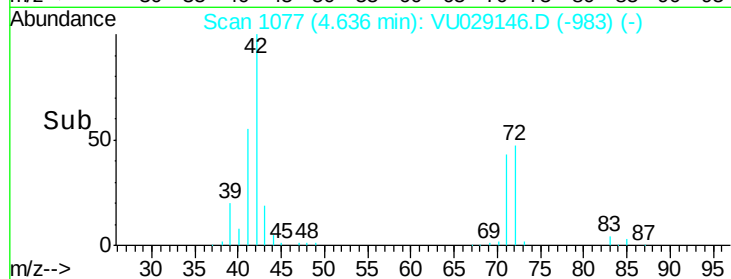
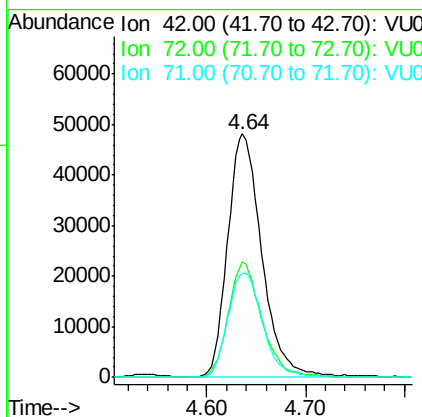
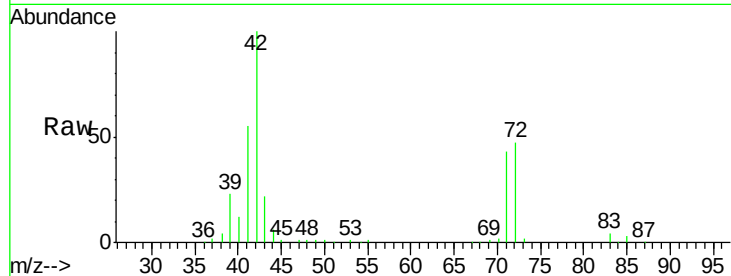
#29
Tetrahydrofuran
Concen: 104.380 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	38.3	57.5
71	44.1	36.1	54.1

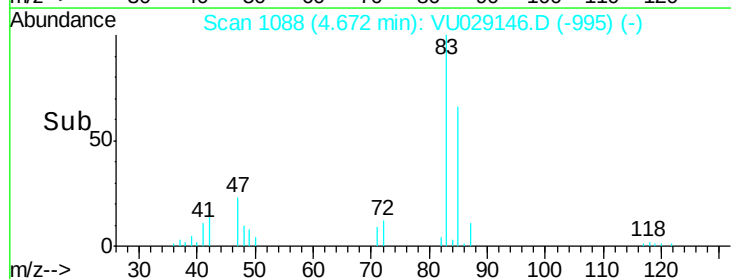
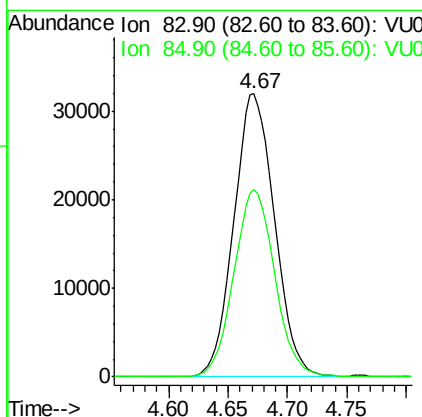
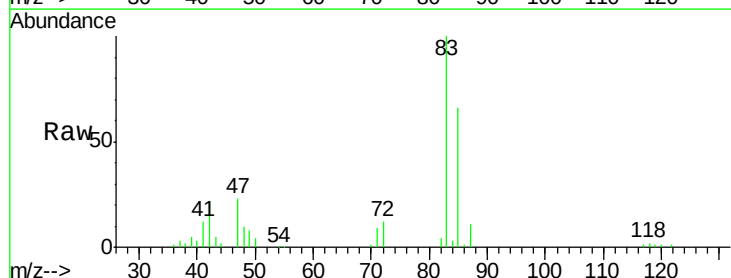
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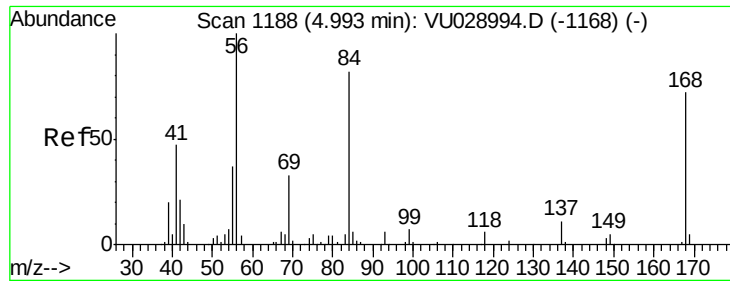
MMDadoda
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#30
Chloroform
Concen: 21.007 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.4	80.0





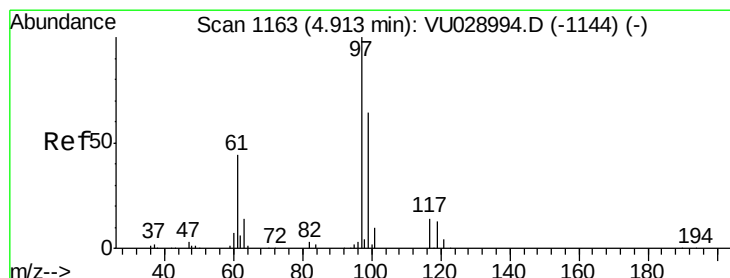
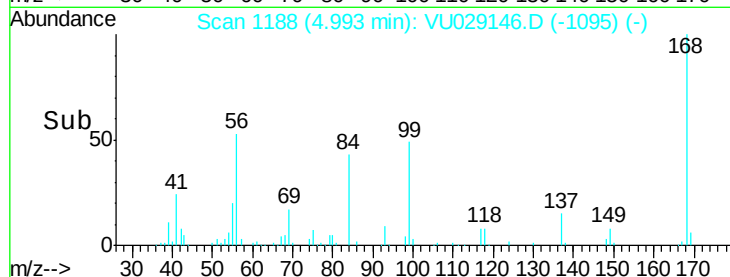
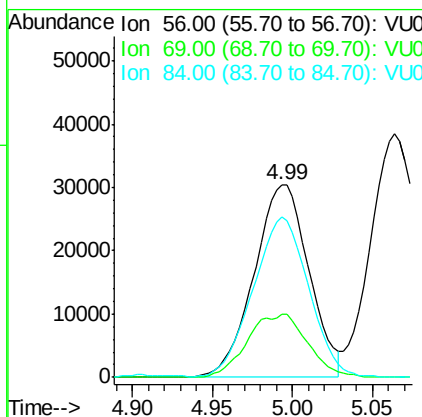
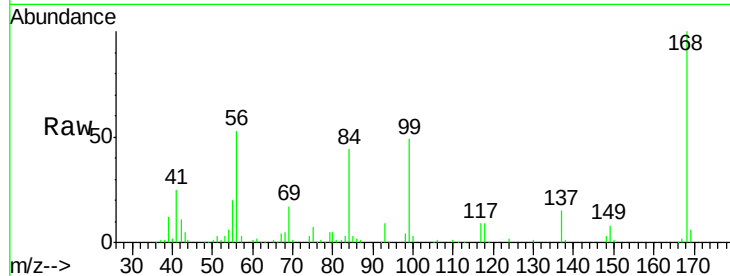
#31
Cyclohexane
Concen: 19.484 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	26.7	40.1
84	82.8	65.7	98.5

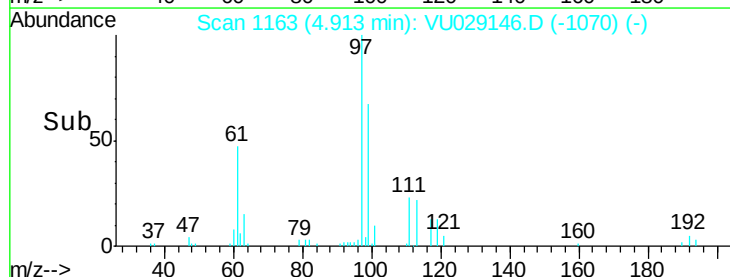
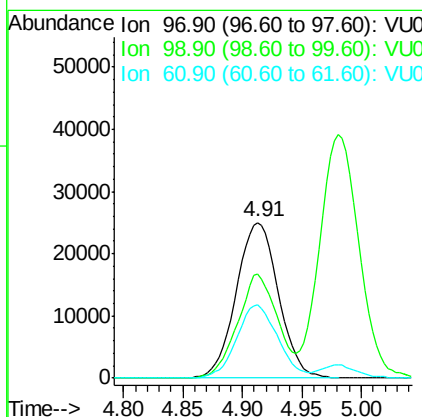
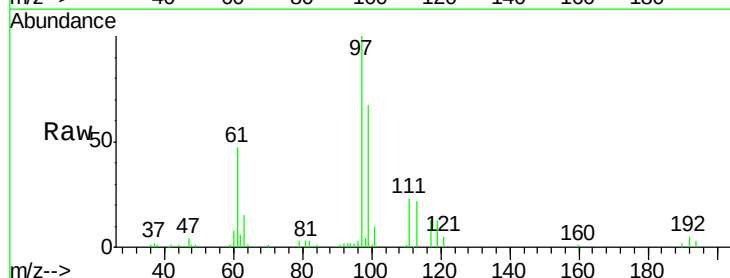
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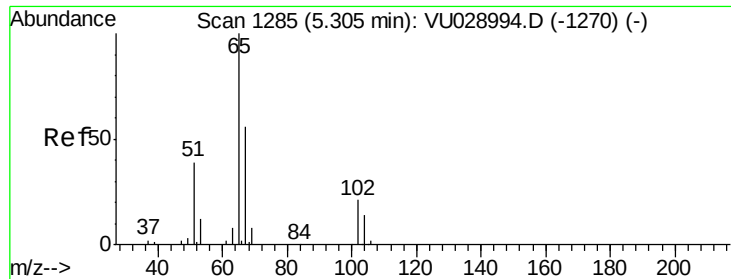
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#32
1,1,1-Trichloroethane
Concen: 20.540 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	45.9	34.4	51.6





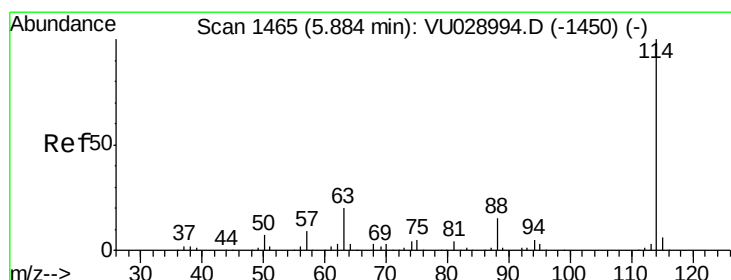
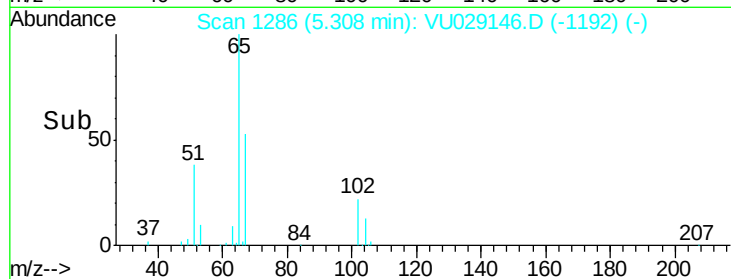
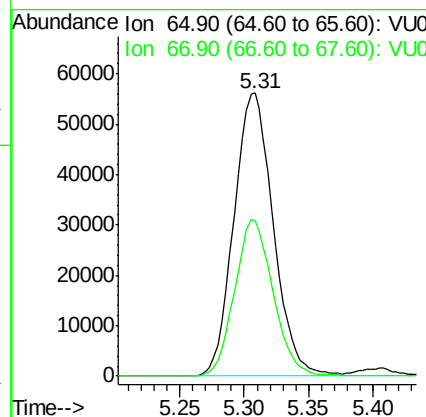
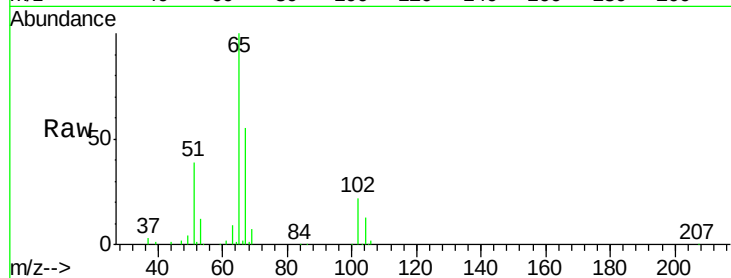
#33
 1,2-Dichloroethane-d4
 Concen: 55.172 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119111		
67	54.1	0.0	111.0	

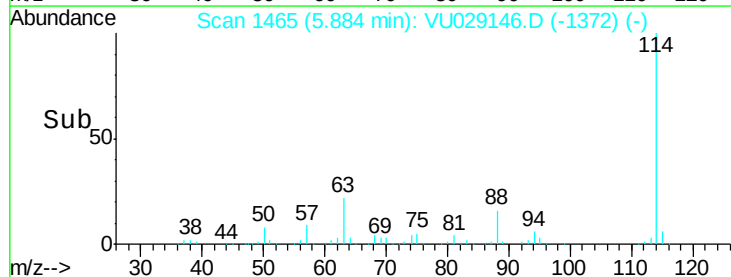
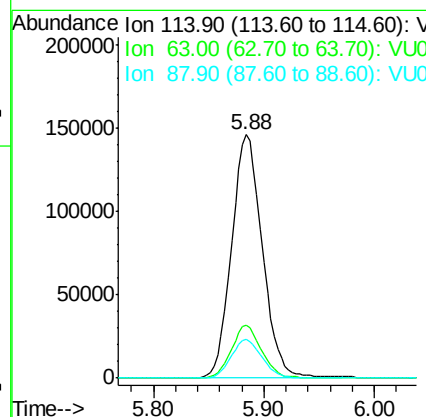
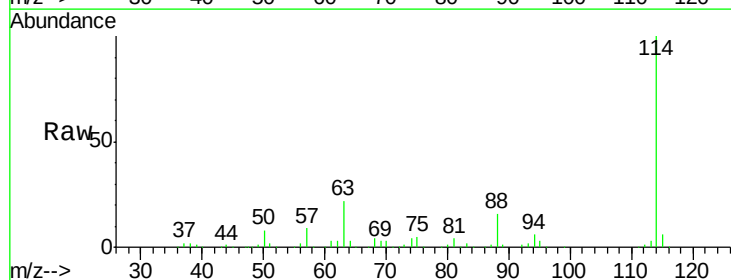
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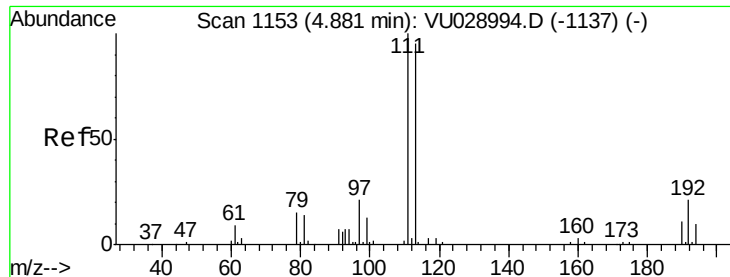
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	282628		
63	21.6	0.0	40.2	
88	15.8	0.0	30.4	





#35

Dibromofluoromethane

Concen: 53.656 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

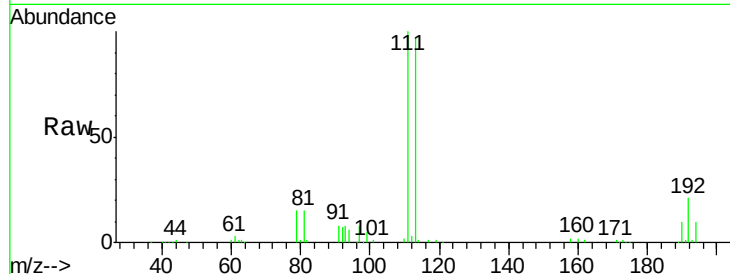
ClientSampleId :

VU0112WBSD01

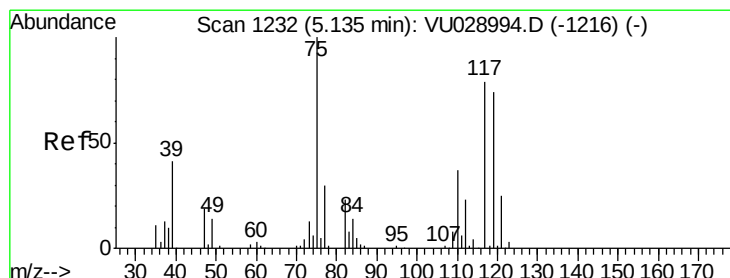
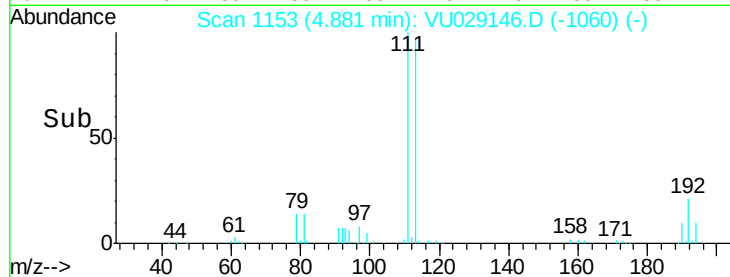
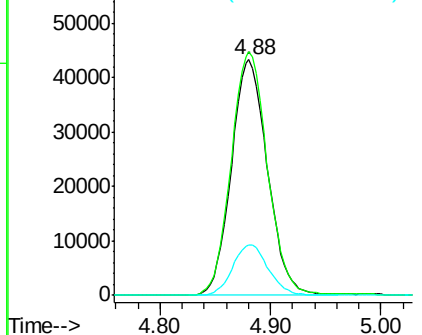
Tot Ion:	113	Resp:	98302
Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	21.1	16.8	25.2

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: 19.787 ug/l

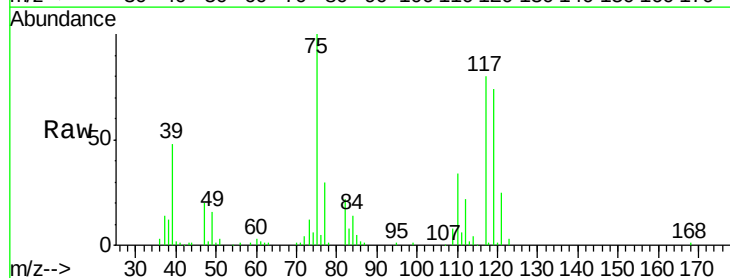
RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

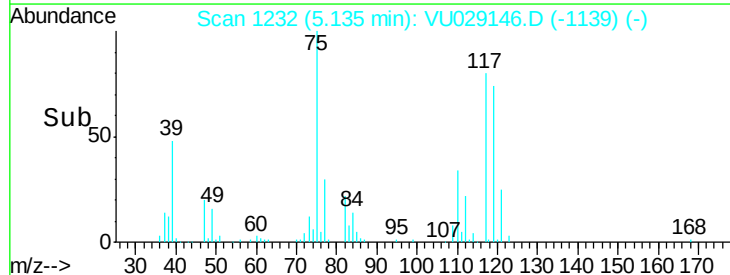
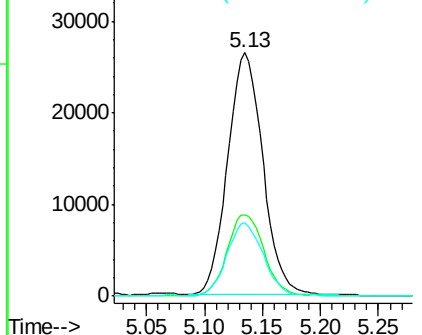
Lab File: VU029146.D

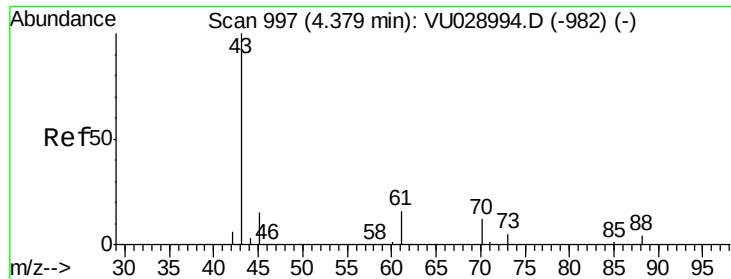
Acq: 11 Jan 2019 17:05

Tgt Ion:	75	Resp:	55899
Ion	Ratio	Lower	Upper
75	100		
110	35.2	18.4	55.4
77	31.1	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





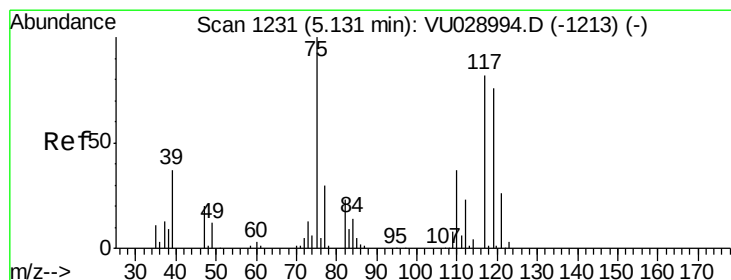
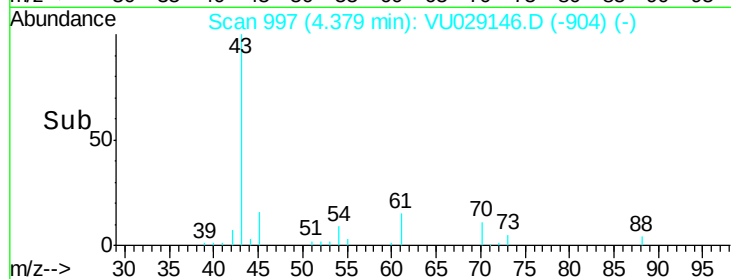
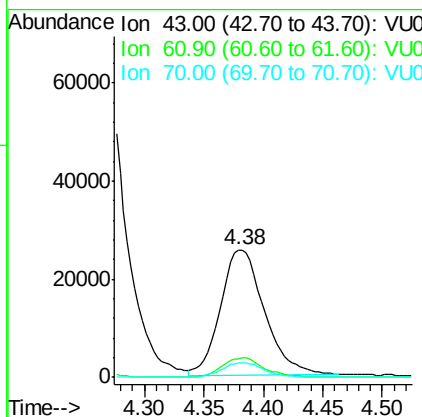
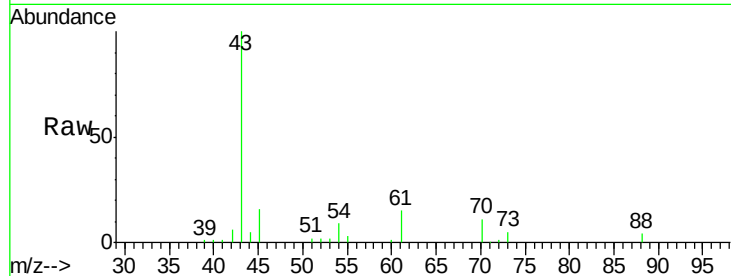
#37
Ethyl Acetate
Concen: 21.031 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	43	Resp	65215
Ion Ratio	100	Lower	Upper
43	100		
61	15.2	12.6	18.8
70	11.3	9.3	13.9

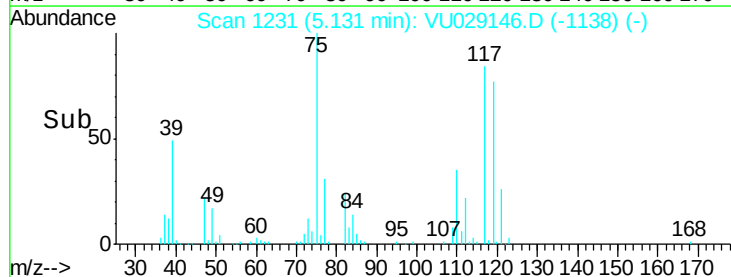
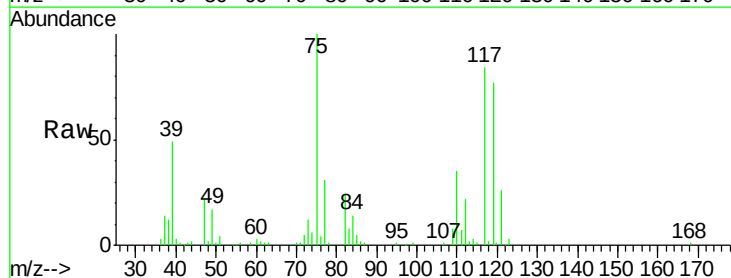
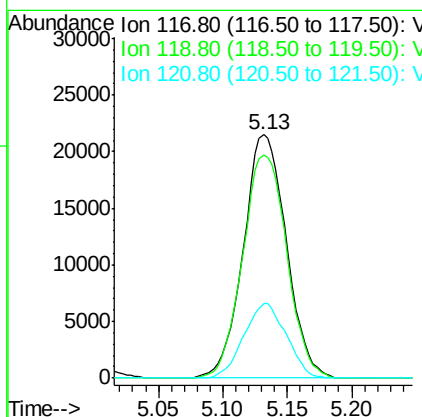
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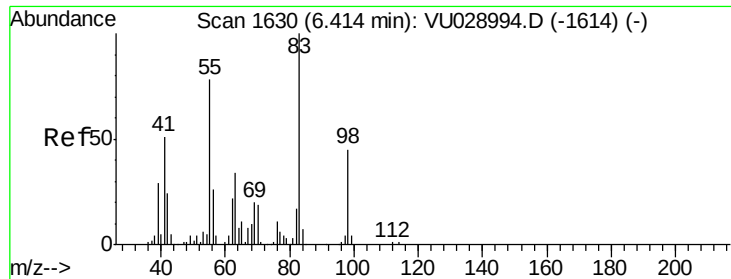
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#38
Carbon Tetrachloride
Concen: 21.223 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	117	Resp	50006
Ion Ratio	100	Lower	Upper
117	100		
119	91.5	74.6	111.8
121	30.6	25.0	37.6





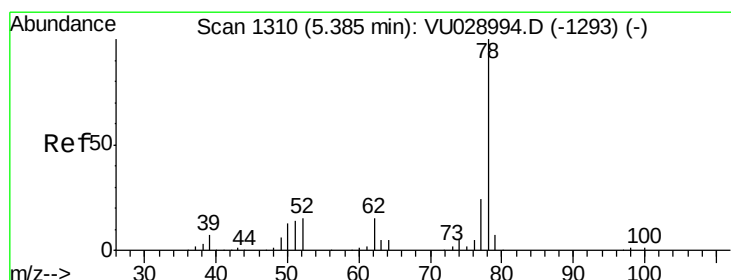
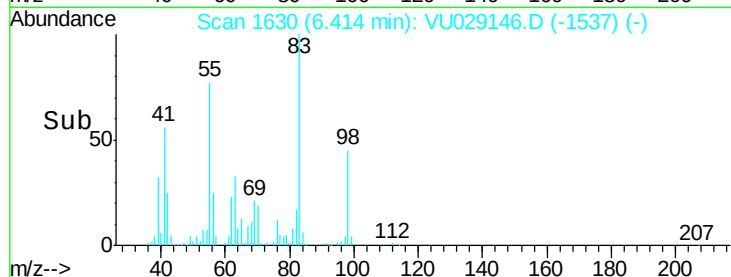
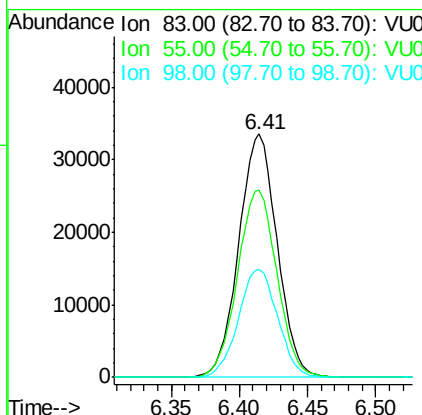
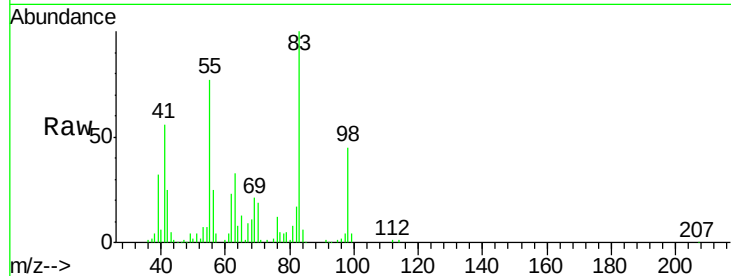
#39
Methylvlcyclohexane
Concen: 18.851 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	62.4	93.6
98	44.5	36.2	54.2

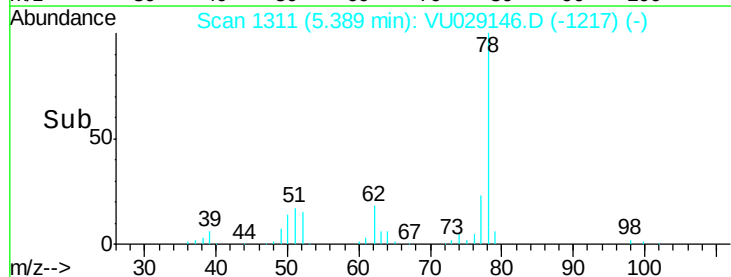
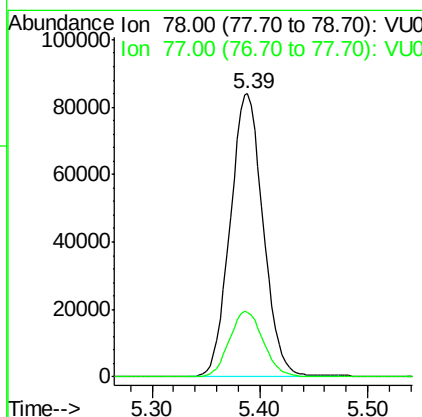
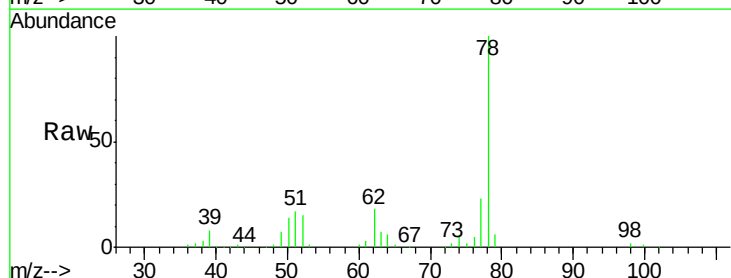
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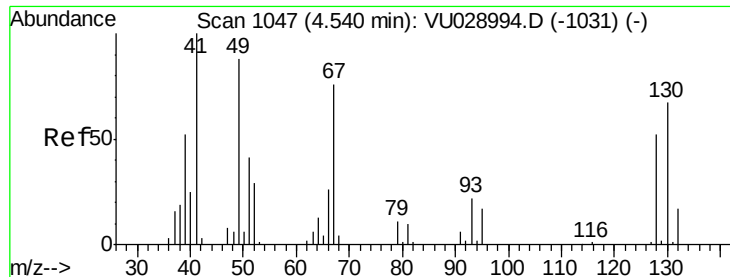
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#40
Benzene
Concen: 20.344 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.9	28.3





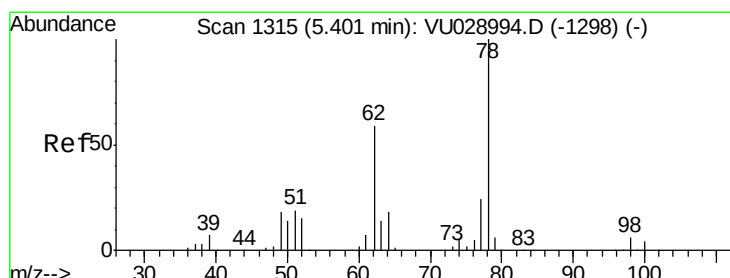
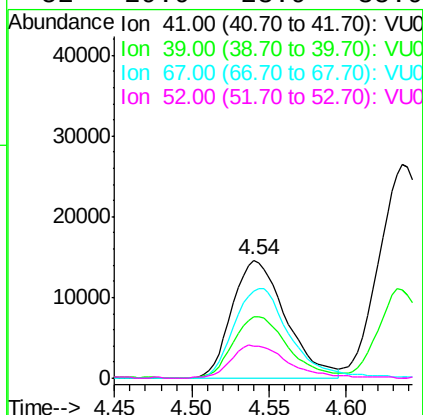
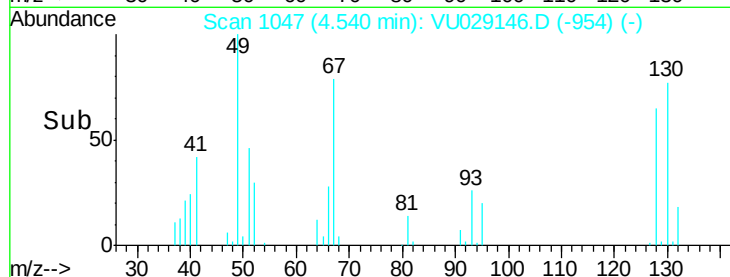
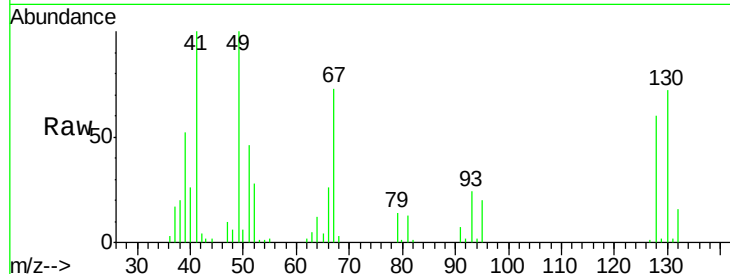
#41
Methacrylonitrile
Concen: 21.268 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35302		
39	53.7	42.3	63.5		
67	79.7	64.4	96.6		
52	29.9	23.9	35.9		

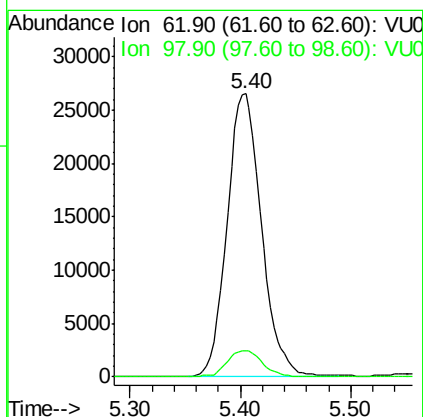
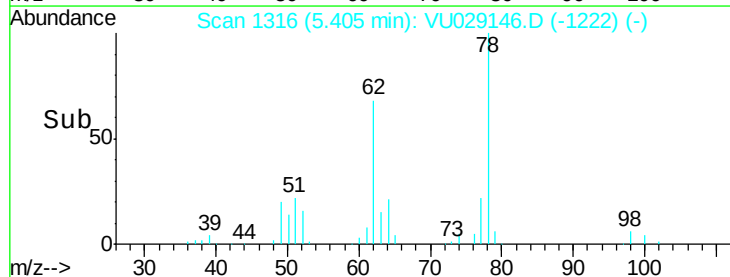
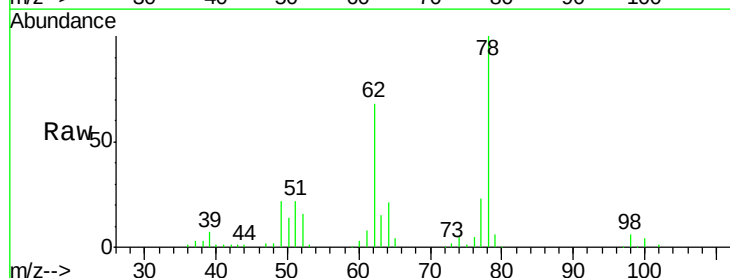
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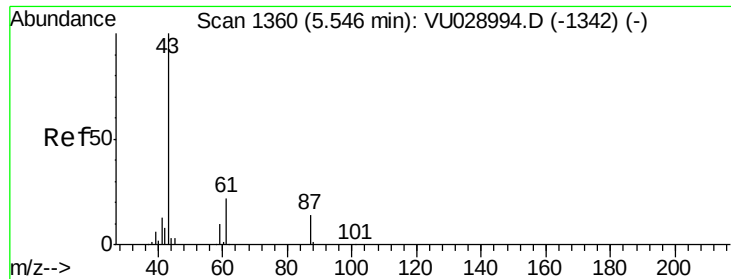
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#42
1,2-Dichloroethane
Concen: 21.711 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		57489		
98	9.5	0.0	19.6		





#43

Isopropyl Acetate

Concen: 21.001 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

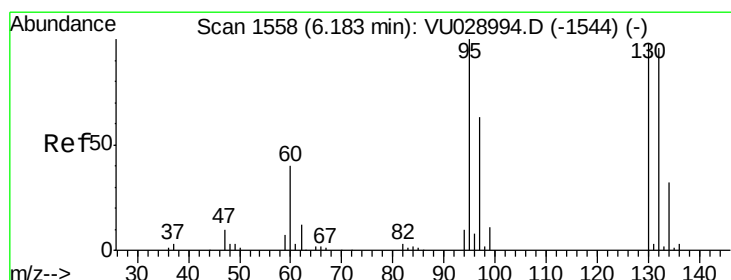
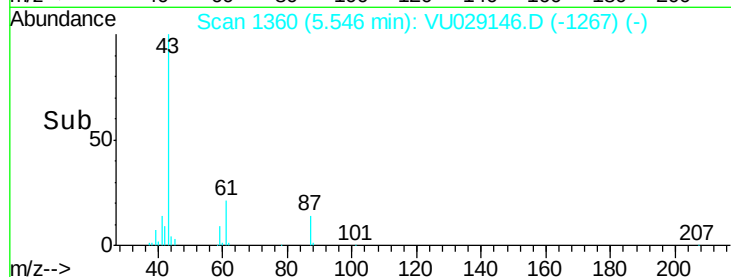
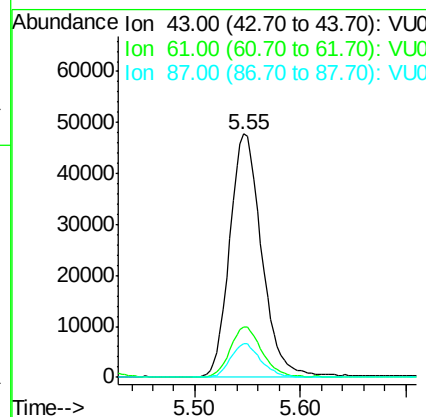
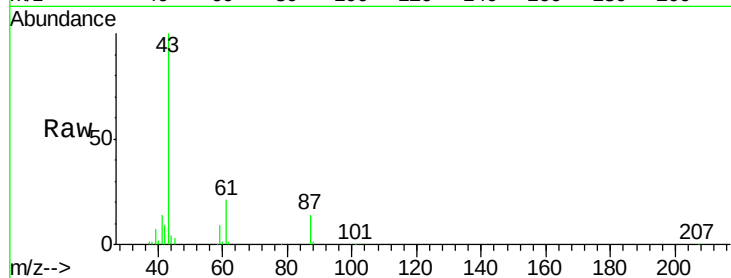
ClientSampleId :

VU0112WBSD01

Tot Ion:	43	Resp:	99895
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.8	26.6
87	13.2	11.3	16.9

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#44

Trichloroethene

Concen: 19.588 ug/l

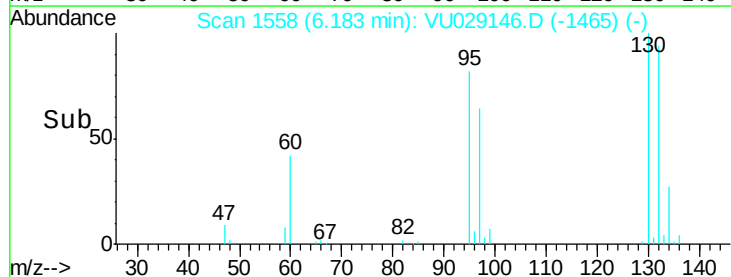
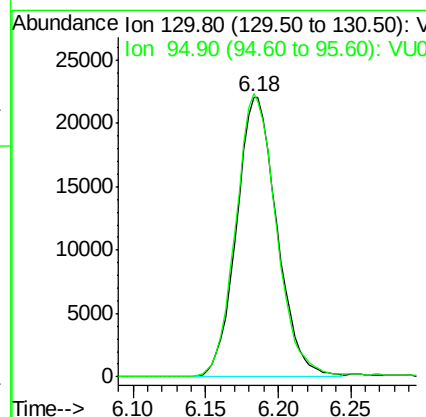
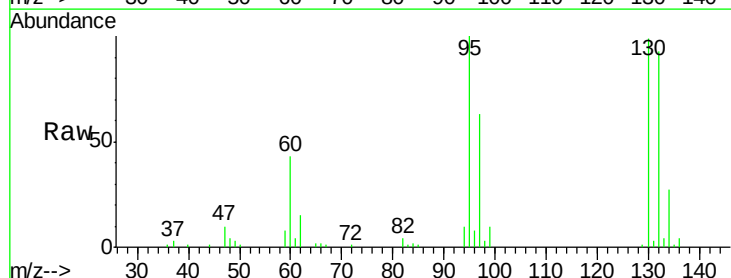
RT: 6.18 min Scan# 1558

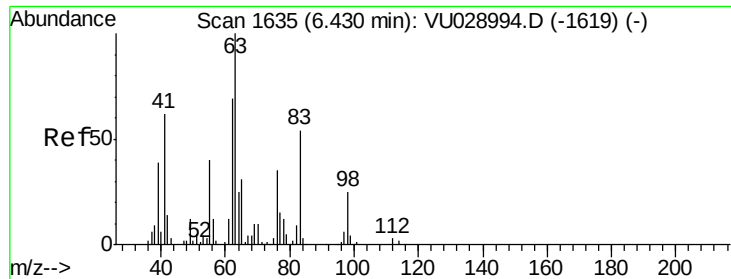
Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion:	130	Resp:	42768
Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	205.0





#45

1,2-Dichloropropane

Concen: 20.666 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 63 Resp: 48090

Ion Ratio Lower Upper

63 100

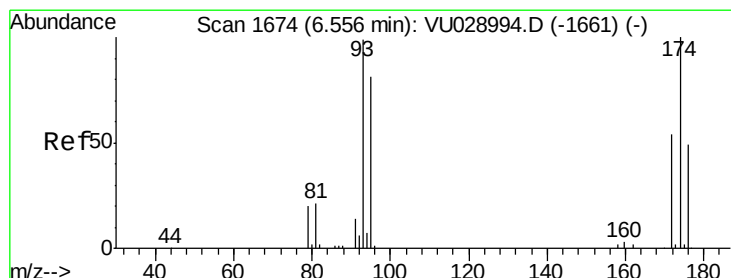
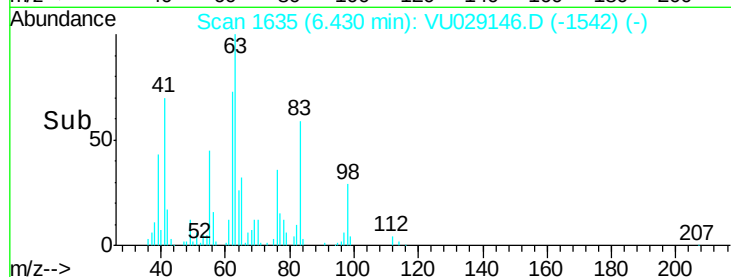
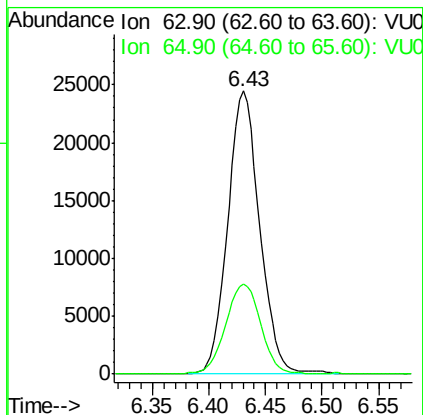
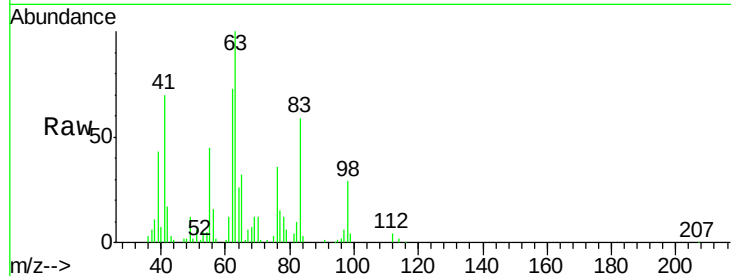
65 31.3 25.1 37.7

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#46

Dibromomethane

Concen: 20.947 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

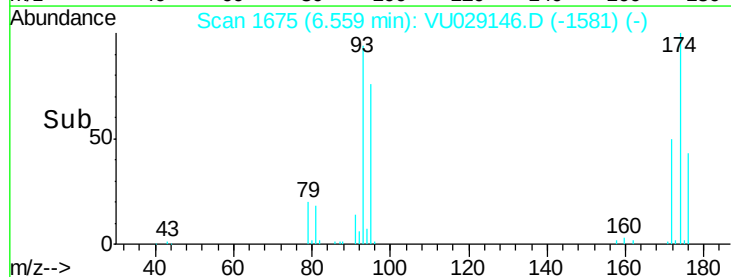
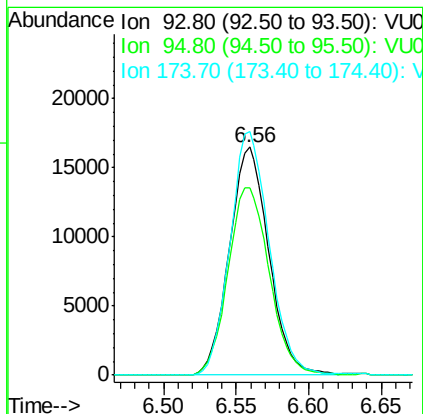
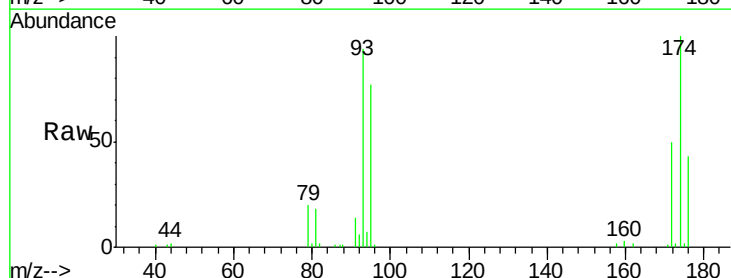
Tgt Ion: 93 Resp: 31161

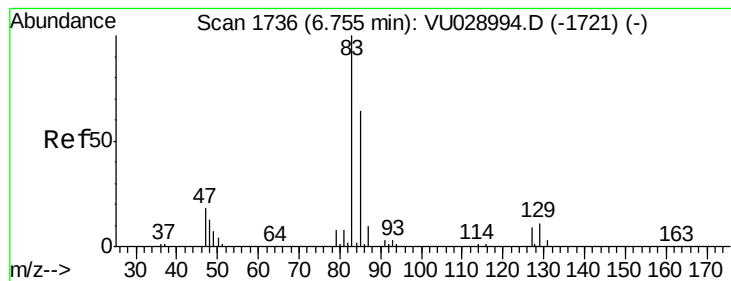
Ion Ratio Lower Upper

93 100

95 86.0 67.2 100.8

174 105.8 82.6 123.8





#47

Bromodichloromethane

Concen: 21.295 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

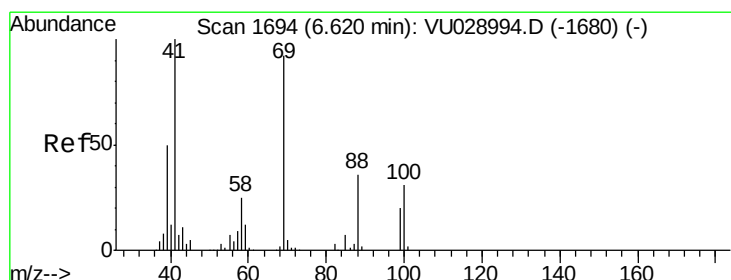
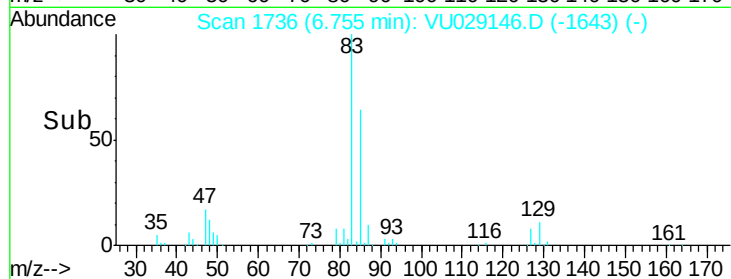
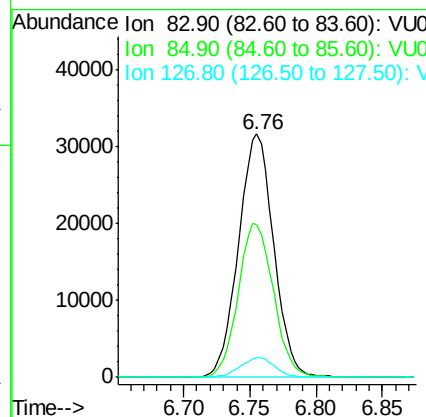
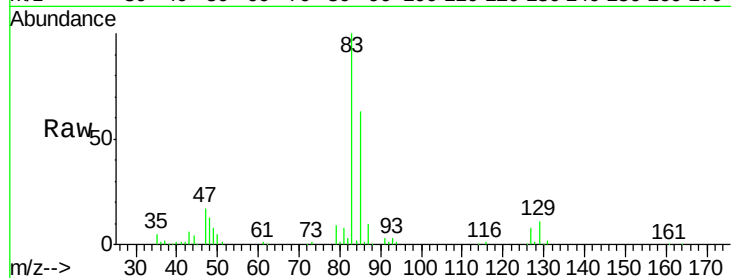
ClientSampleId :

VU0112WBSD01

Tot Ion:	83	Resp:	58325
Ion Ratio	Lower	Upper	
83	100		
85	62.9	51.4	77.2
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.956 ug/l

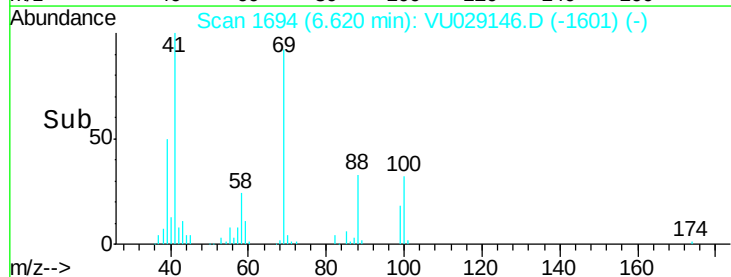
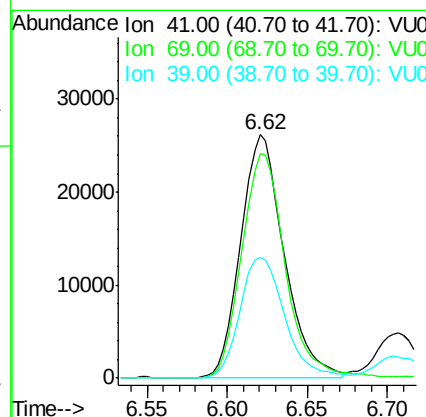
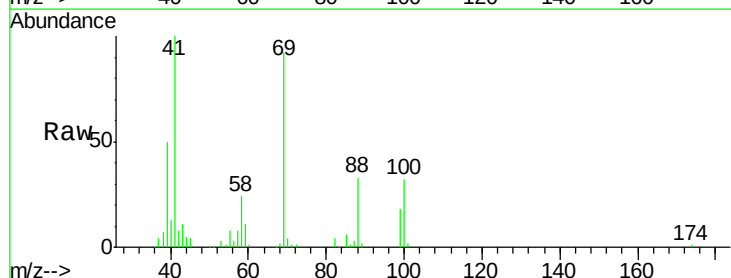
RT: 6.62 min Scan# 1694

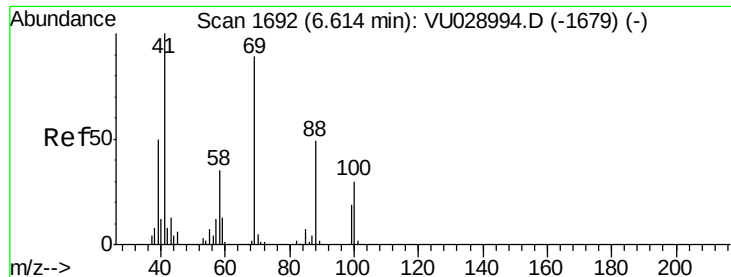
Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion:	41	Resp:	48537
Ion Ratio	Lower	Upper	
41	100		
69	93.0	73.6	110.4
39	51.0	39.6	59.4





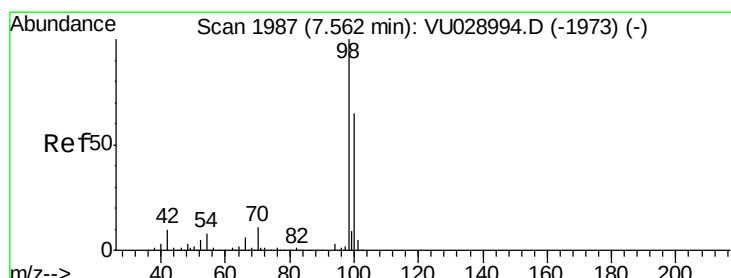
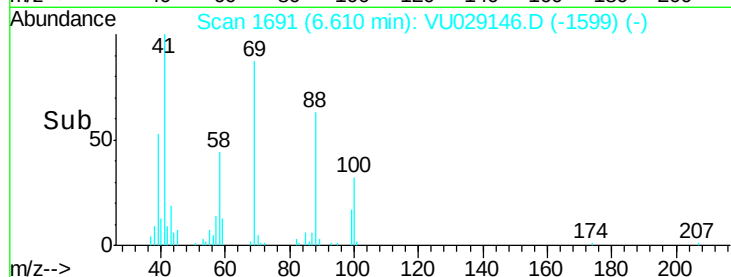
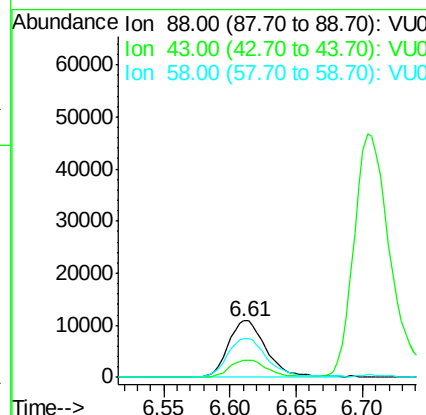
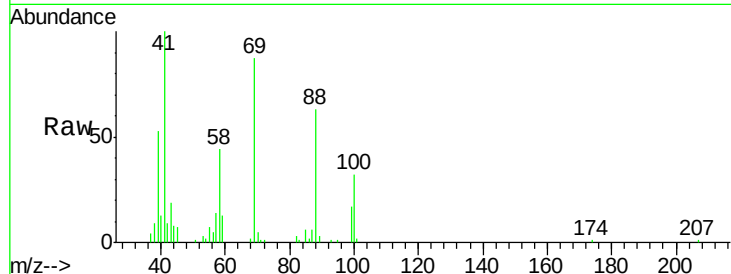
#49
1,4-Dioxane
Concen: 396.339 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.3	23.0	34.4
58	71.1	57.9	86.9

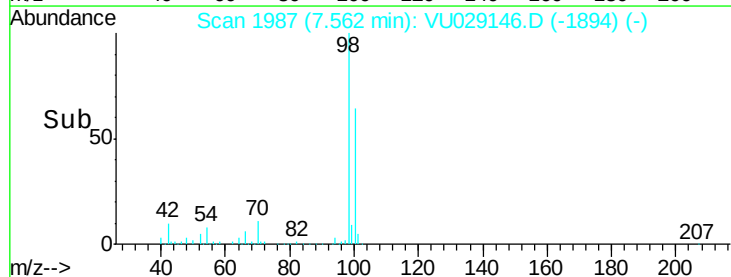
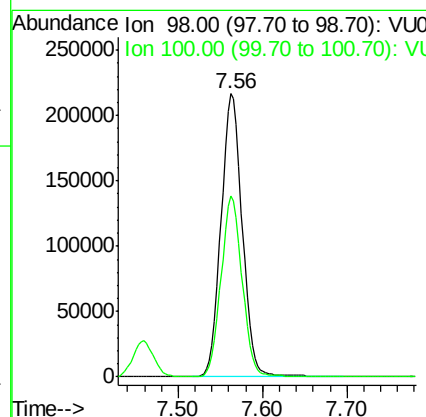
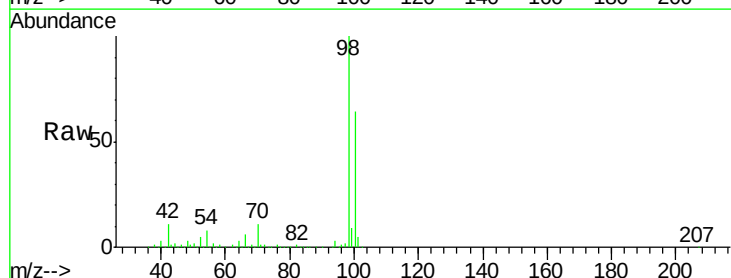
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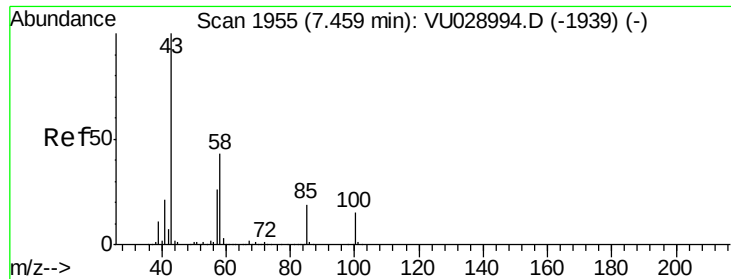
MMDadoda
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#50
Toluene-d8
Concen: 52.542 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 105.385 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 43 Resp: 341157

Ion Ratio Lower Upper

43 100

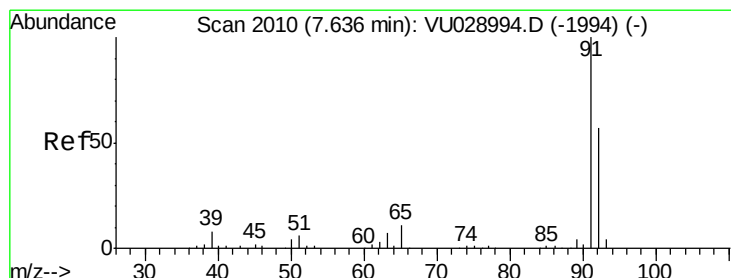
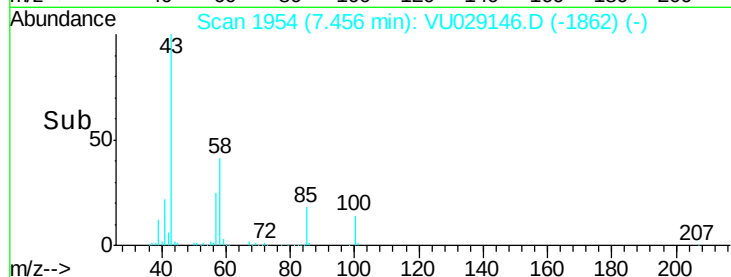
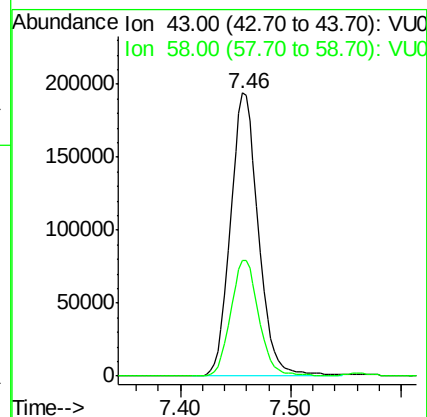
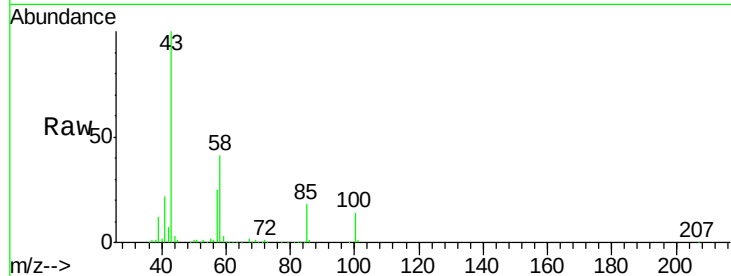
58 41.2 33.9 50.9

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#52

Toluene

Concen: 20.187 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029146.D

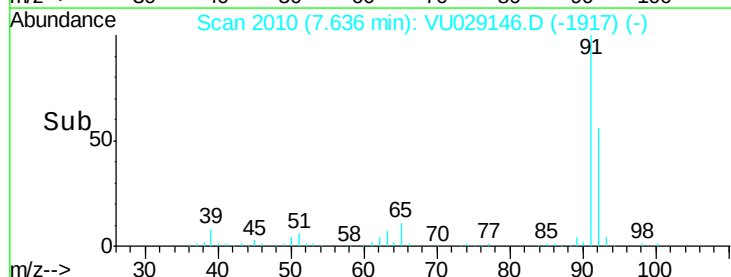
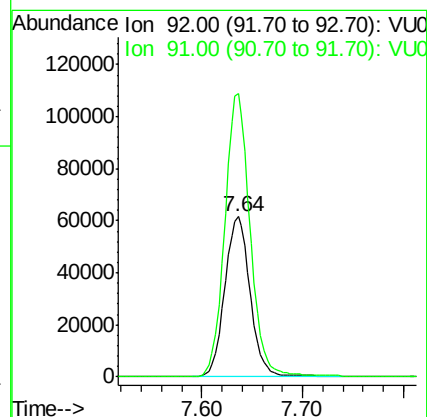
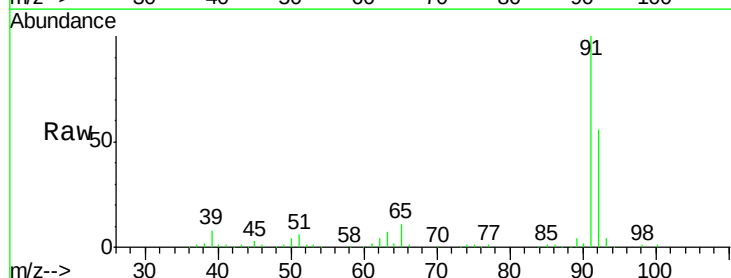
Acq: 11 Jan 2019 17:05

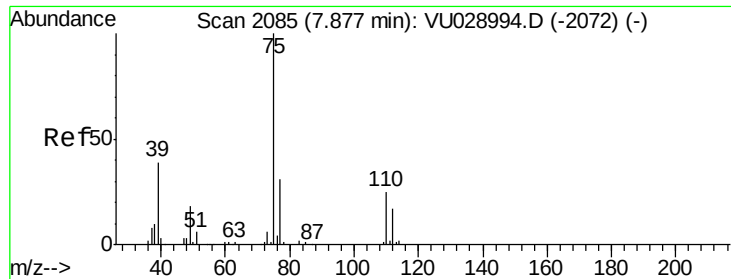
Tgt Ion: 92 Resp: 108293

Ion Ratio Lower Upper

92 100

91 176.4 139.8 209.8





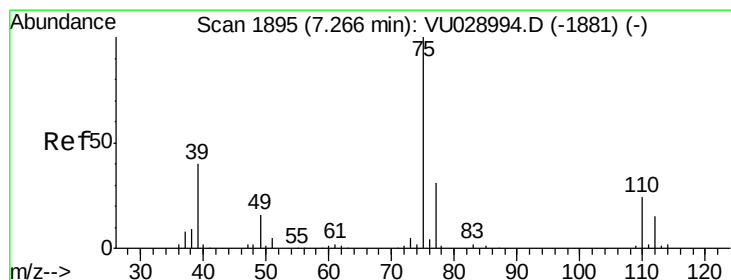
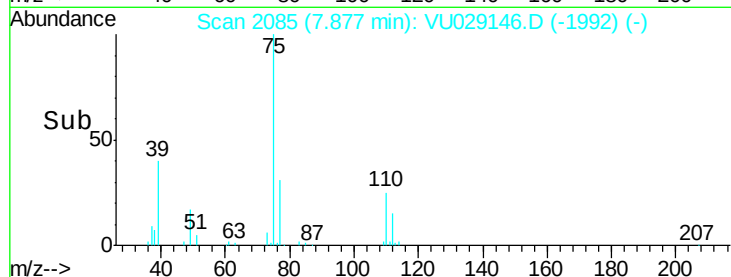
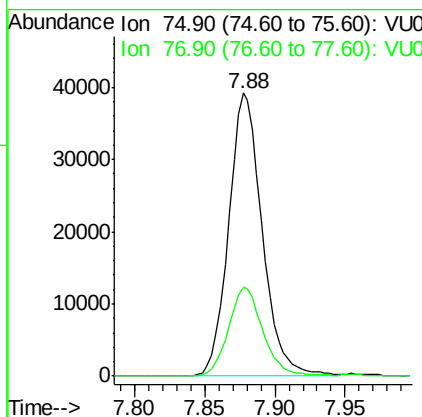
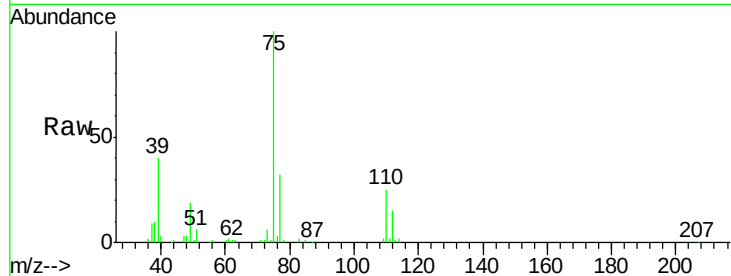
#53
 t-1,3-Dichloropropene
 Concen: 19.780 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion: 75 Resp: 65079
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.0 37.4

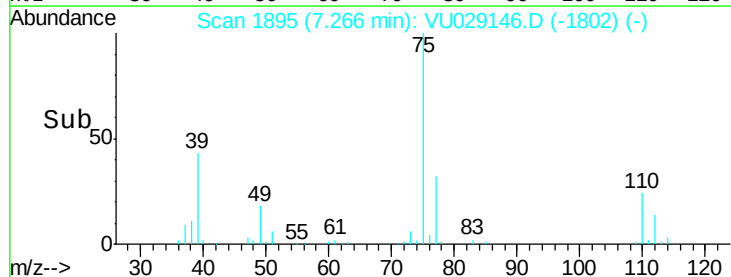
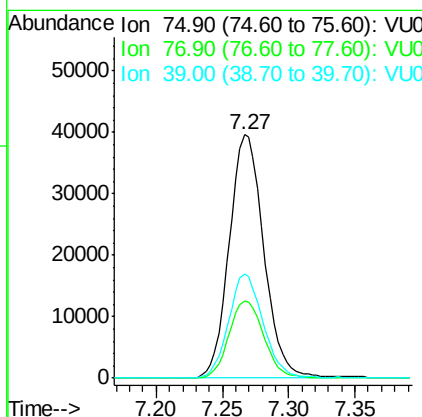
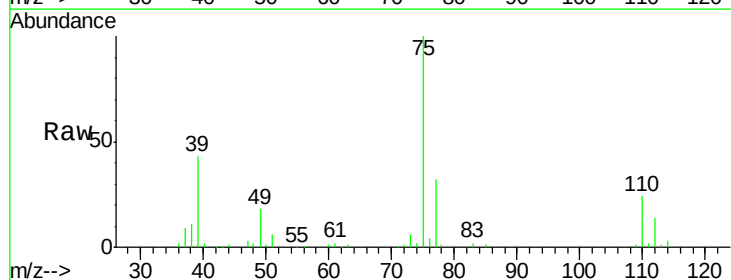
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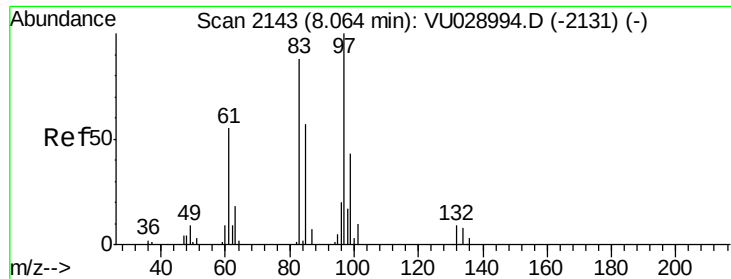
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#54
 cis-1,3-Dichloropropene
 Concen: 20.186 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion: 75 Resp: 71766
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.0 37.6
 39 42.8 32.2 48.4





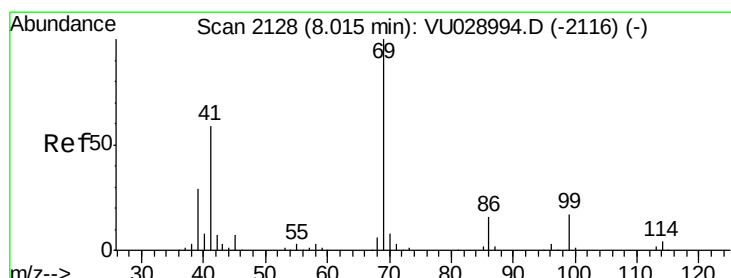
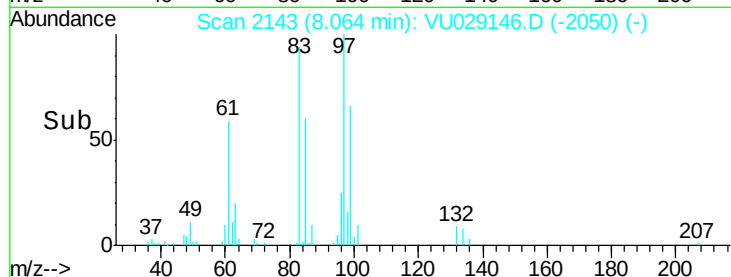
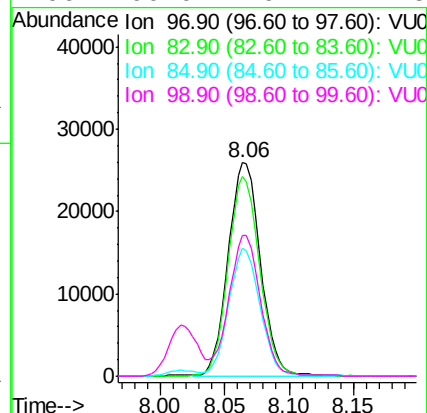
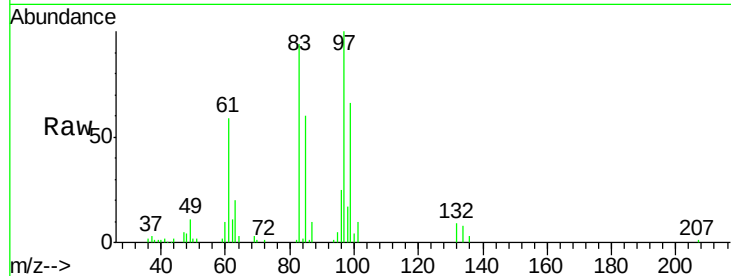
#55
 1,1,2-Trichloroethane
 Concen: 21.055 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		45250		
83	93.6	69.8	104.8		
85	59.3	47.3	70.9		
99	66.0	49.7	74.5		

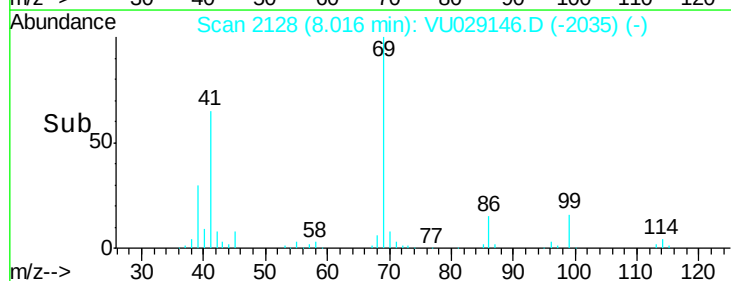
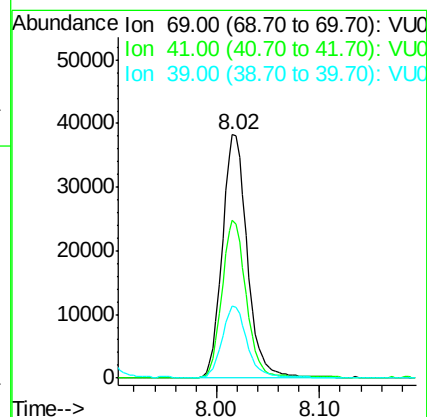
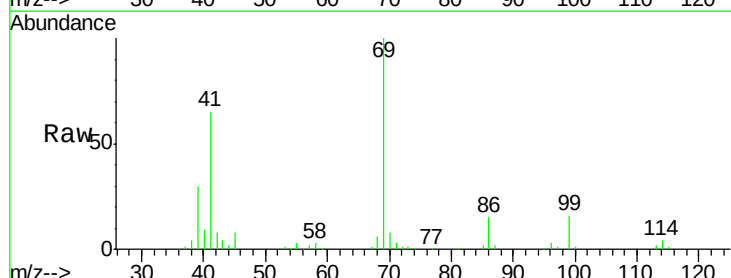
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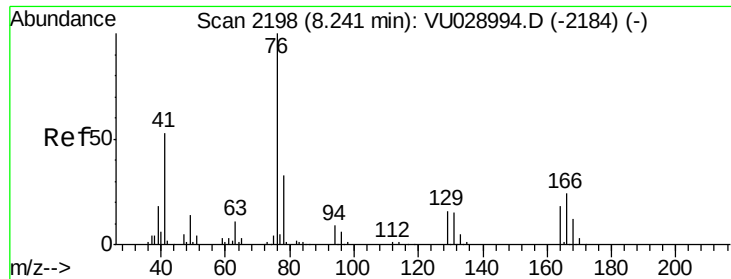
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#56
 Ethyl methacrylate
 Concen: 19.505 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64580		
41	62.6	47.5	71.3		
39	29.2	22.5	33.7		





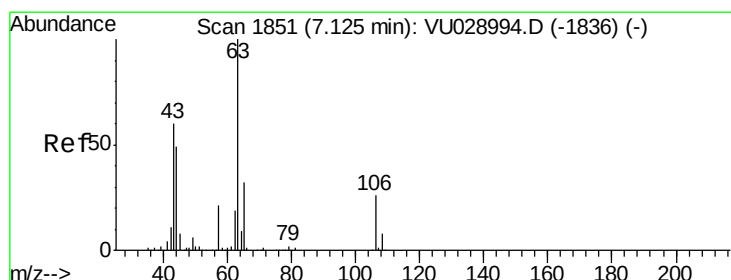
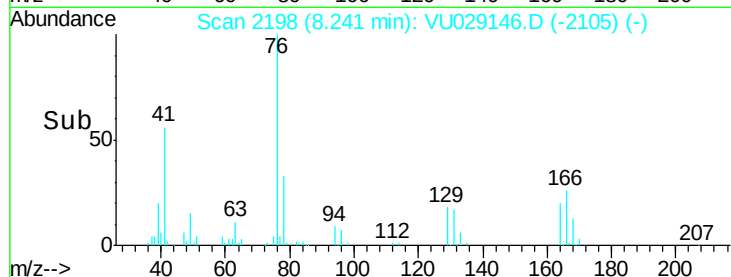
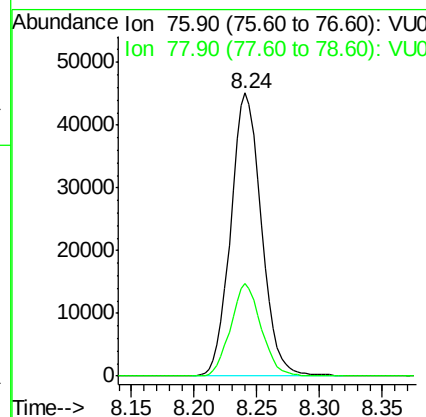
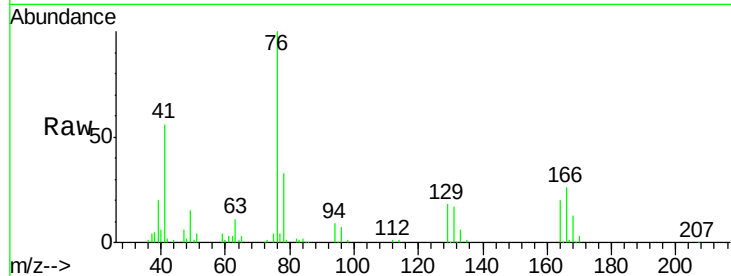
#57
 1,3-Dichloropropane
 Concen: 20.853 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

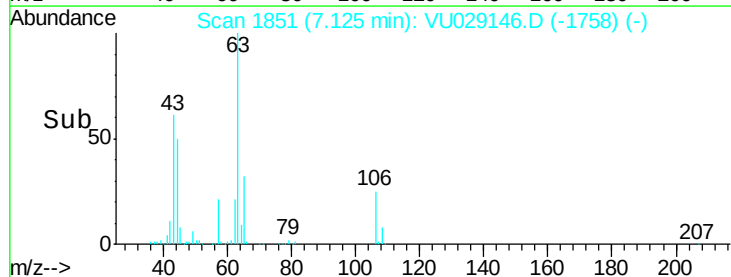
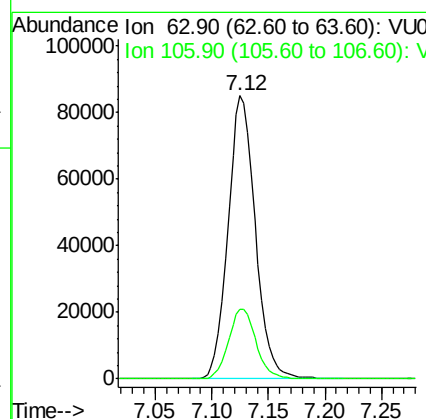
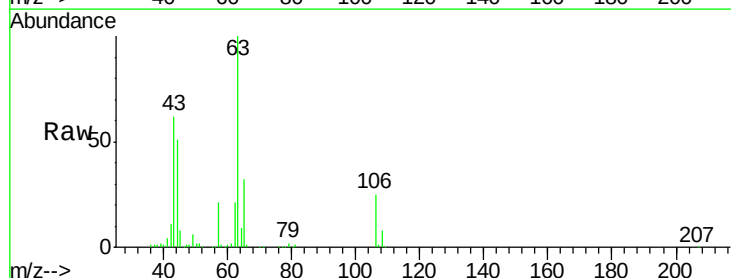
Manual Integrations
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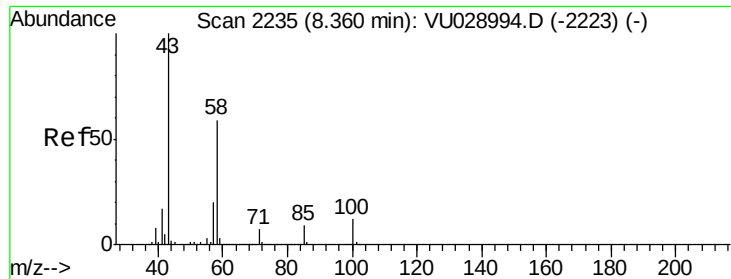
MMDadoda
 1/14/2019 10:59:06 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.214 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.6	31.0





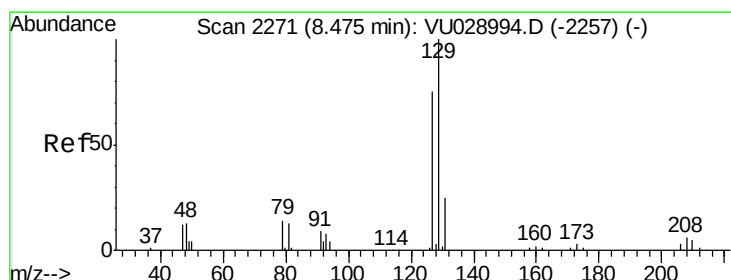
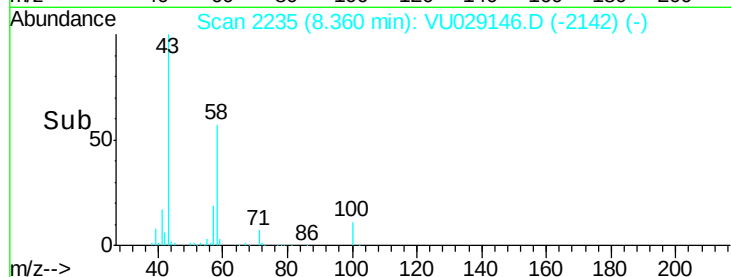
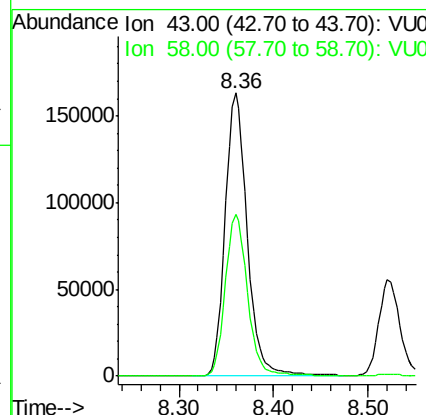
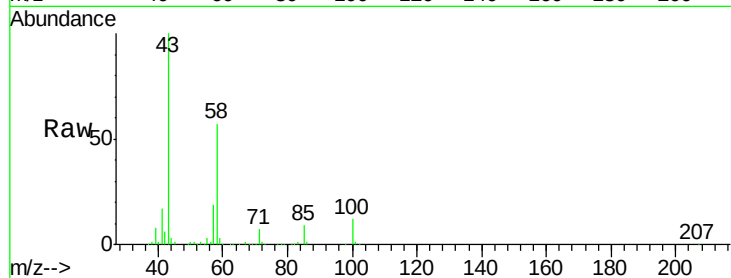
#59
2-Hexanone
Concen: 104.636 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampled :
VU0112WBSD01

Tot Ion: 43 Resp: 265893
Ion Ratio Lower Upper
43 100
58 57.7 29.8 89.4

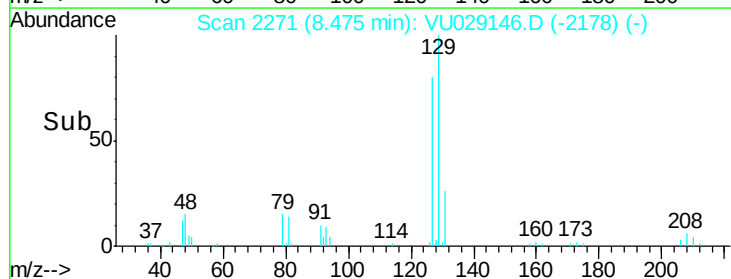
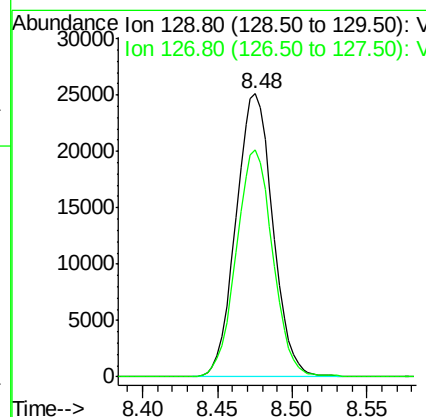
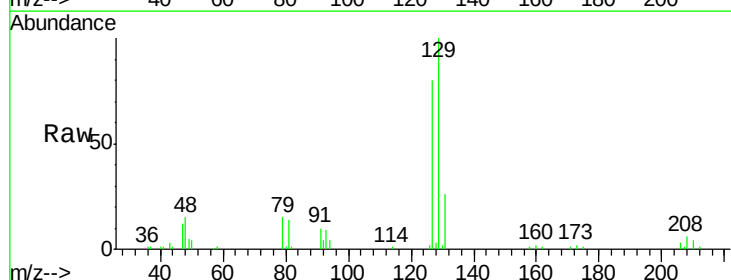
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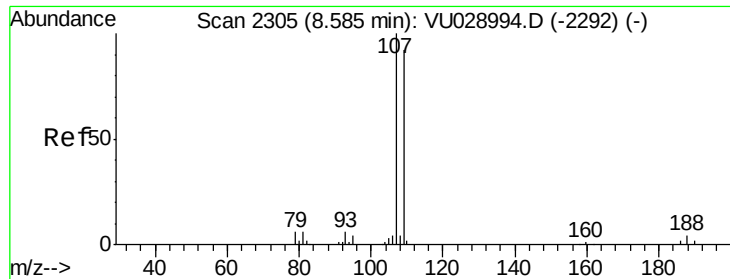
MMDadoda
1/14/2019 10:59:06 AM



#60
Dibromochloromethane
Concen: 20.216 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion: 129 Resp: 43043
Ion Ratio Lower Upper
129 100
127 79.5 38.0 114.0





#61

1,2-Dibromoethane

Concen: 20.506 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion:107 Resp: 47795

Ion Ratio Lower Upper

107 100

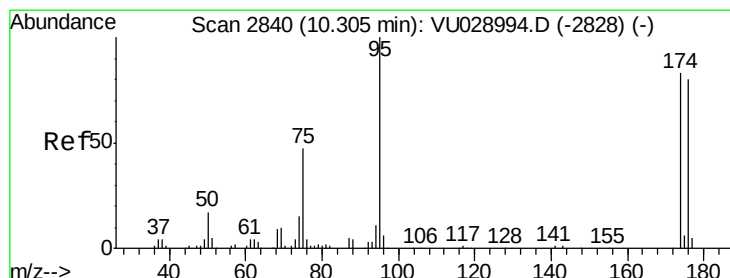
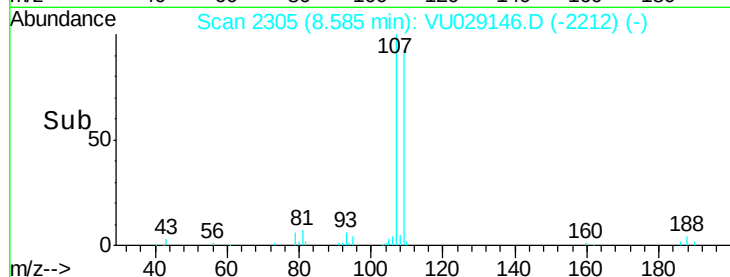
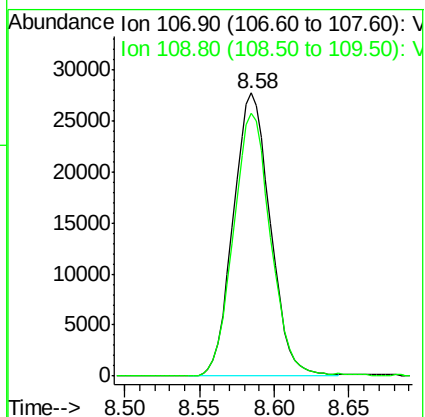
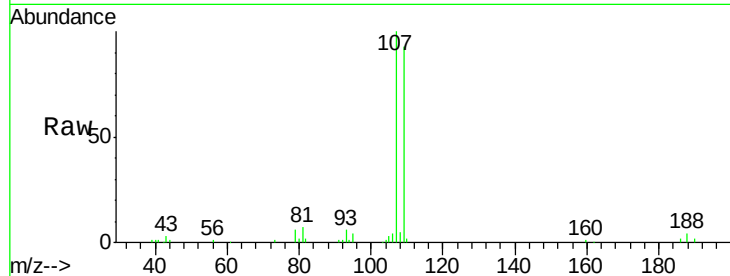
109 93.3 75.5 113.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 49.980 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

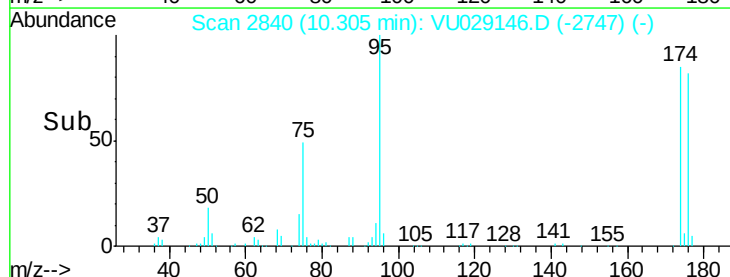
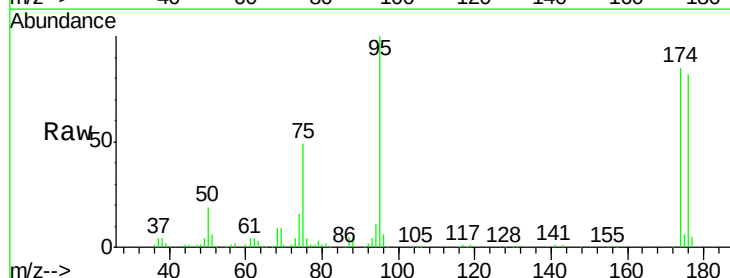
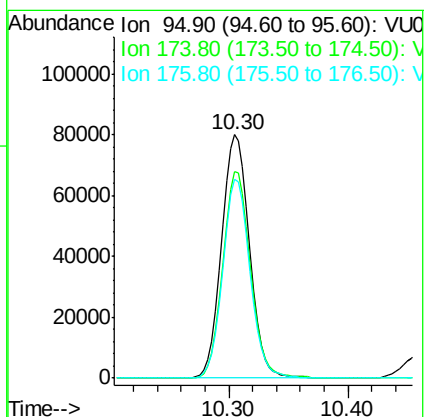
Tgt Ion: 95 Resp: 129916

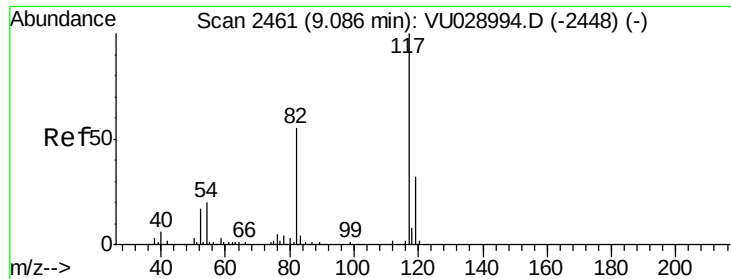
Ion Ratio Lower Upper

95 100

174 84.2 0.0 170.6

176 79.9 0.0 165.0





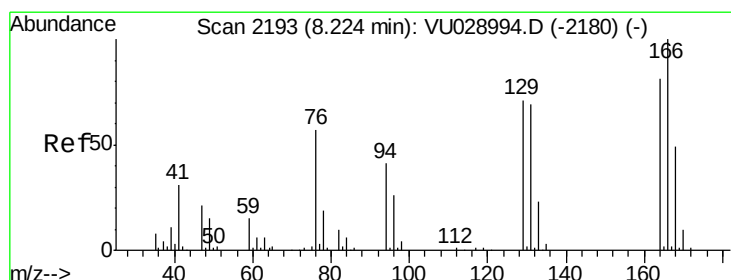
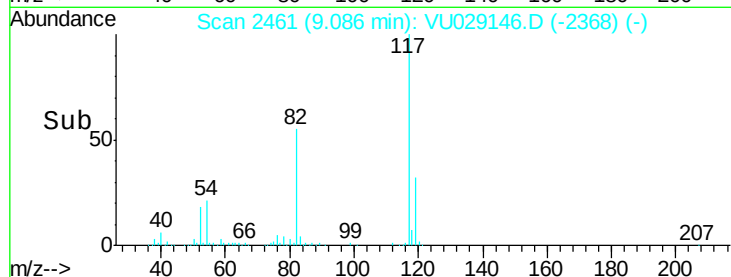
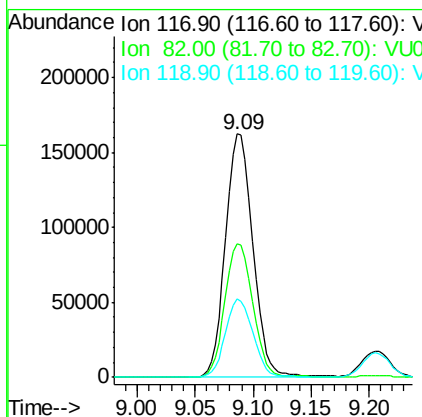
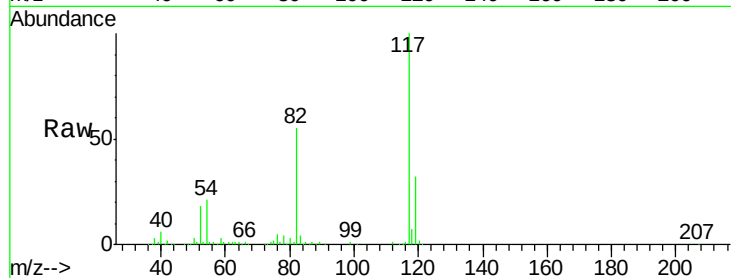
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	266883		
82	55.1	43.9	65.9	
119	32.0	26.0	39.0	

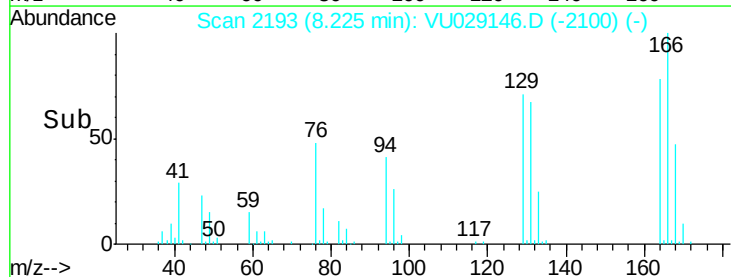
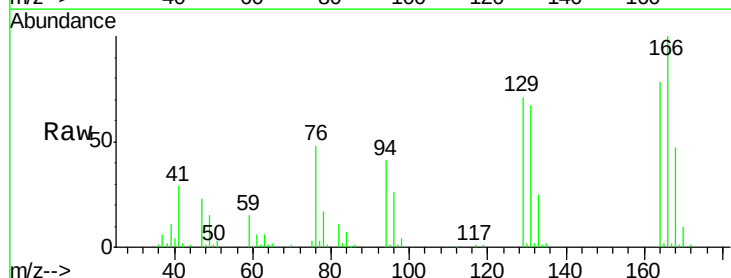
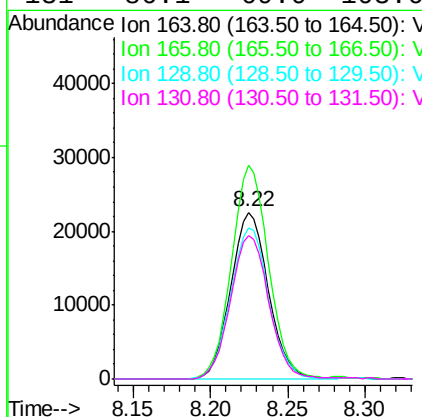
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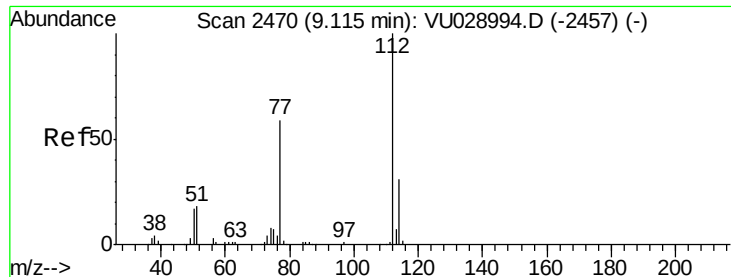
MMDadoda
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#64
Tetrachloroethene
Concen: 19.771 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	38010		
166	128.3	99.4	149.0	
129	90.6	70.5	105.7	
131	86.1	69.0	103.6	





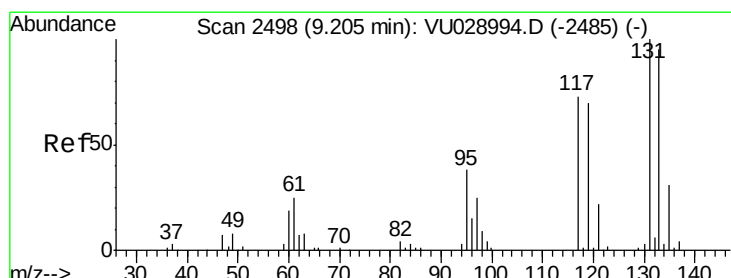
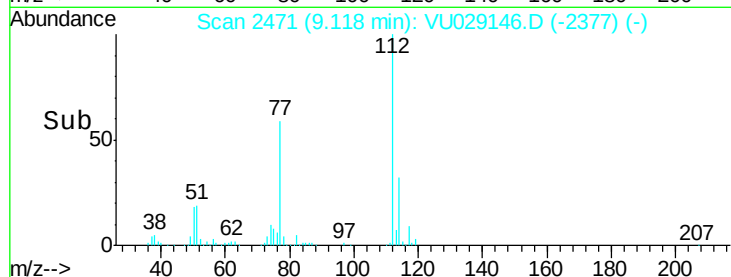
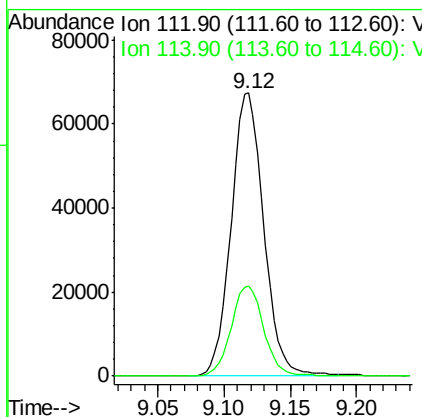
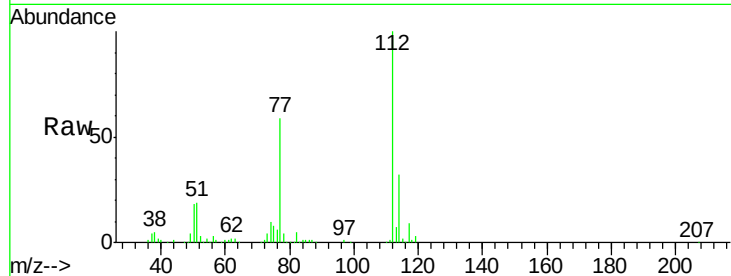
#65
Chlorobenzene
Concen: 19.234 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion:112 Resp: 115065
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

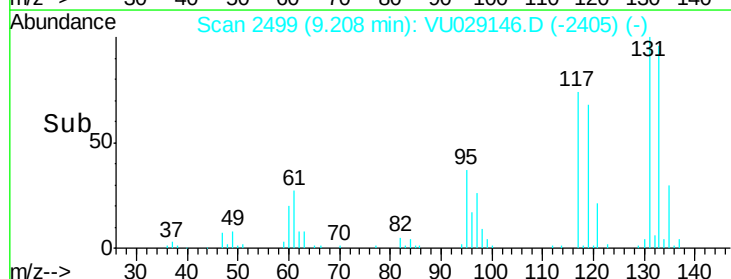
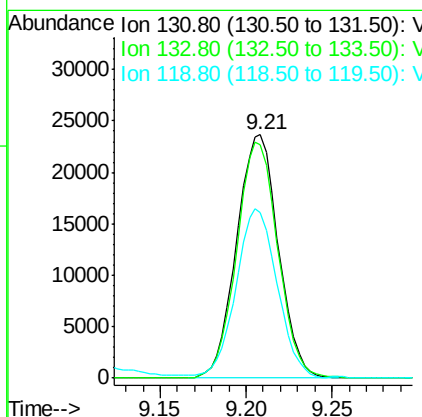
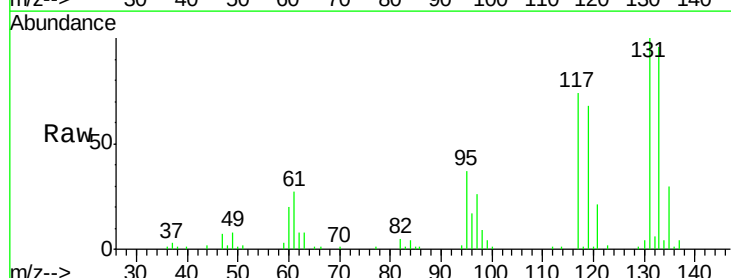
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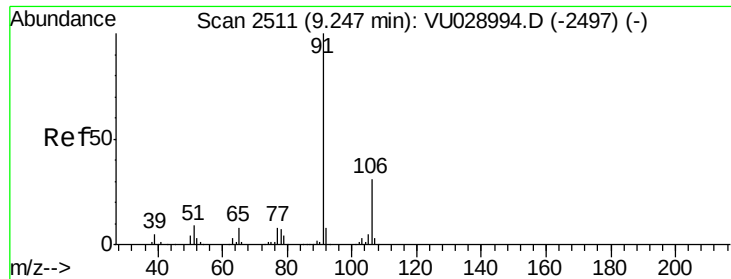
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.494 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:131 Resp: 39786
Ion Ratio Lower Upper
131 100
133 95.6 48.2 144.6
119 69.0 35.4 106.3





#67

Ethyl Benzene

Concen: 19.480 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 91 Resp: 194560

Ion Ratio Lower Upper

91 100

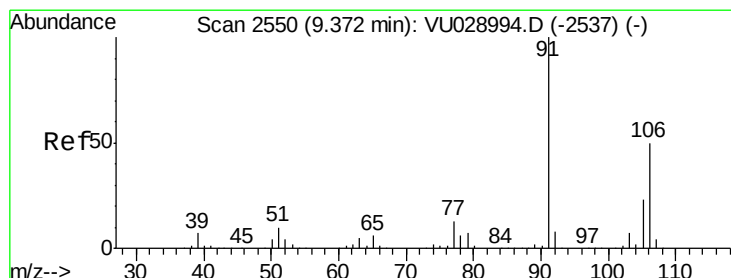
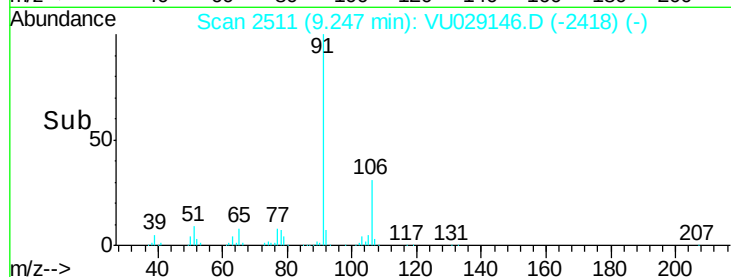
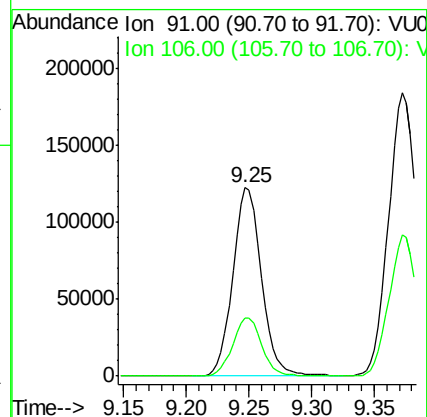
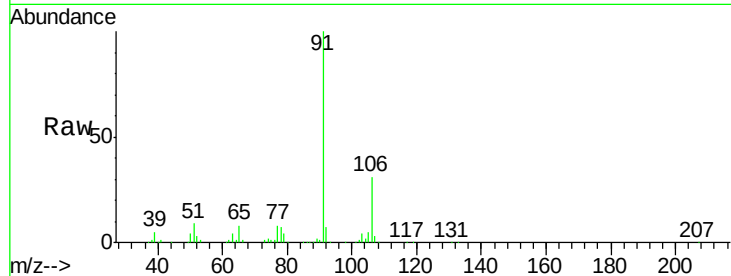
106 31.1 25.0 37.4

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#68

m/p-Xylenes

Concen: 38.647 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VU029146.D

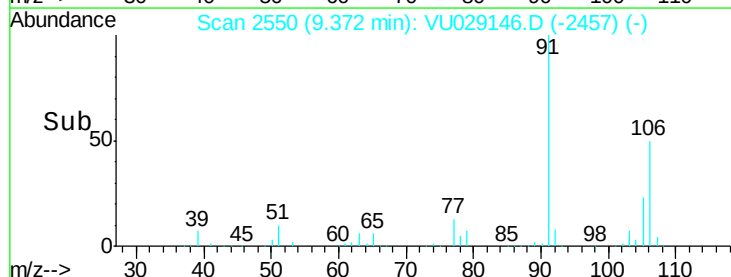
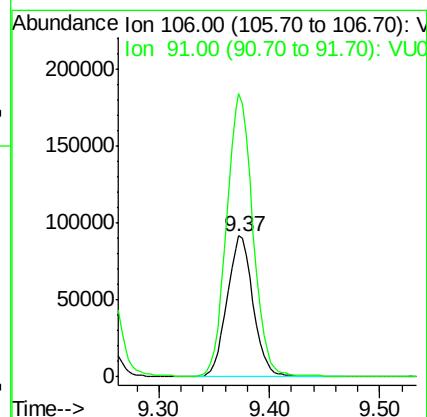
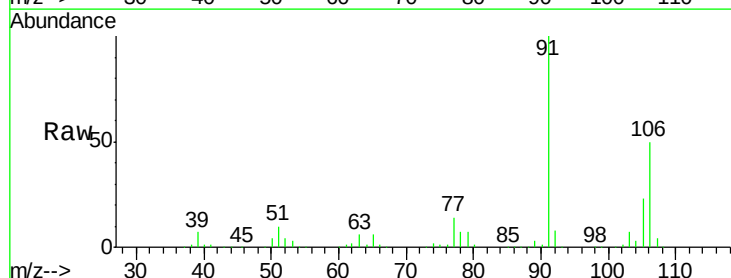
Acq: 11 Jan 2019 17:05

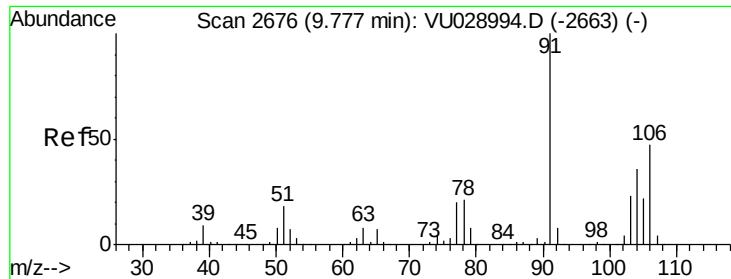
Tgt Ion: 106 Resp: 149977

Ion Ratio Lower Upper

106 100

91 202.8 161.7 242.5





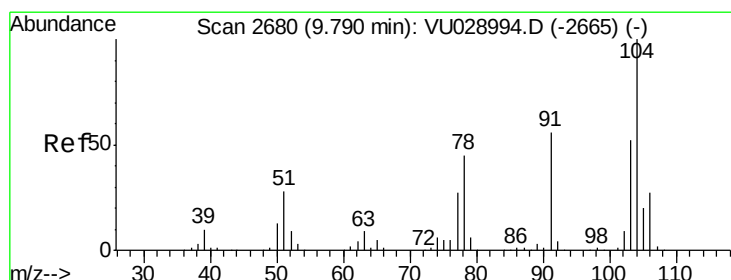
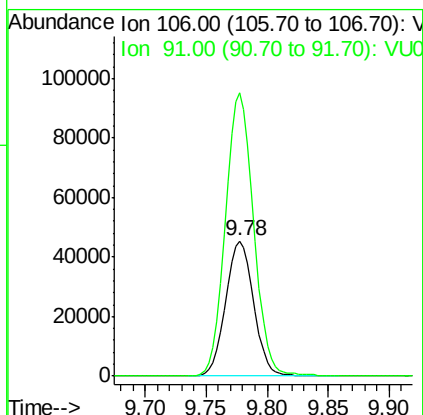
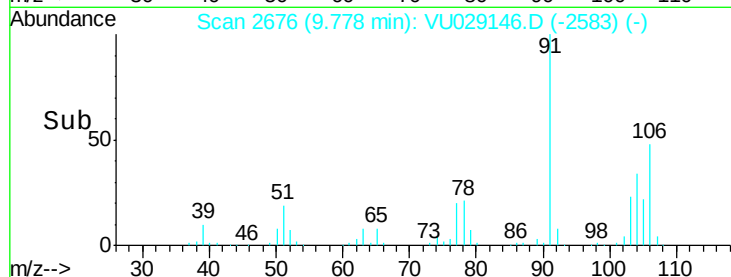
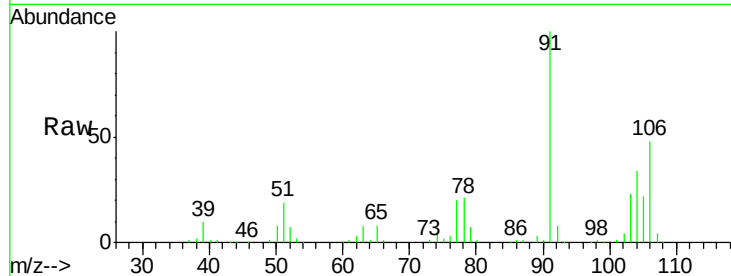
#69
o-Xylene
Concen: 19.602 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion:106 Resp: 73298
Ion Ratio Lower Upper
106 100
91 210.7 106.1 318.3

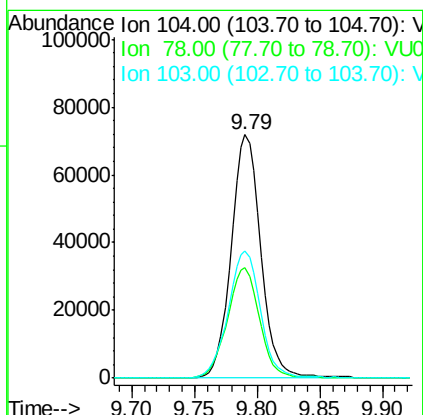
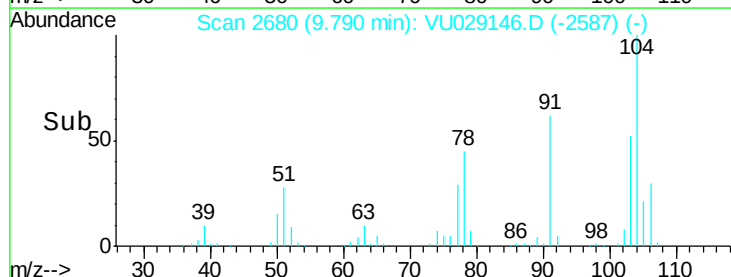
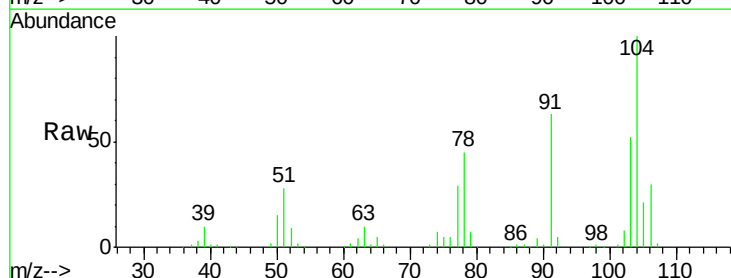
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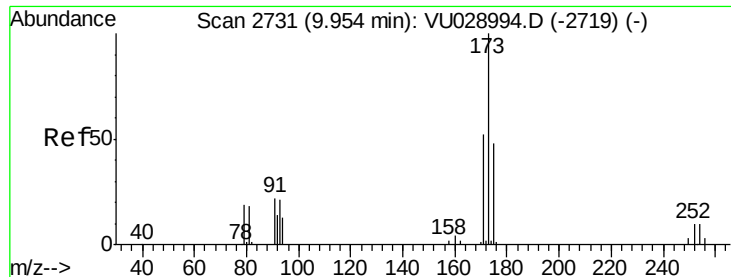
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#70
Styrene
Concen: 19.254 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion:104 Resp: 118026
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 57.4 44.5 66.7





#71

Bromoform

Concen: 19.662 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion:173 Resp: 33988

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.2

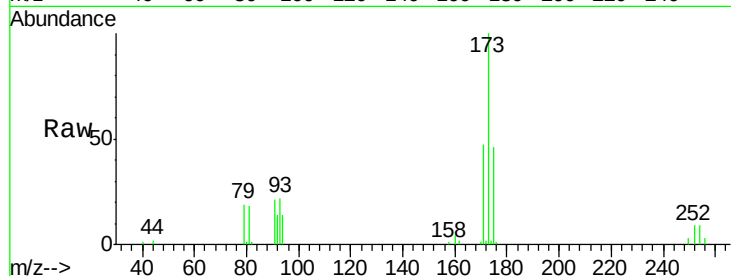
254 0.0 0.0 0.0

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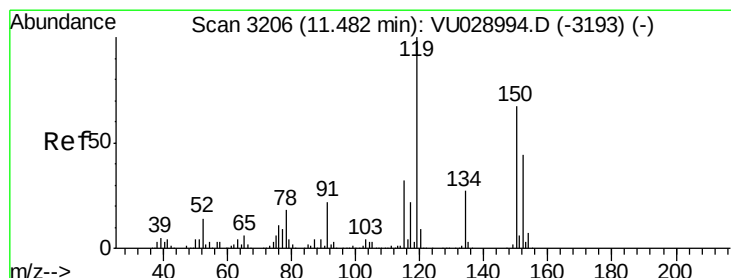
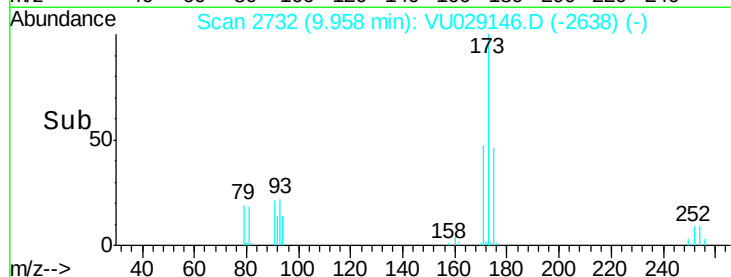
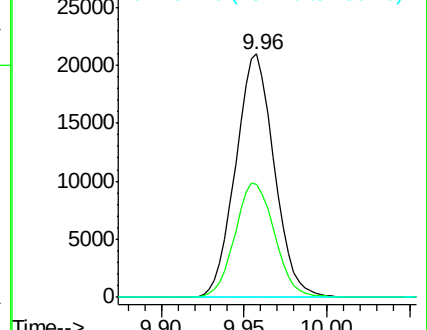
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VU029146.D

Acq: 11 Jan 2019 17:05

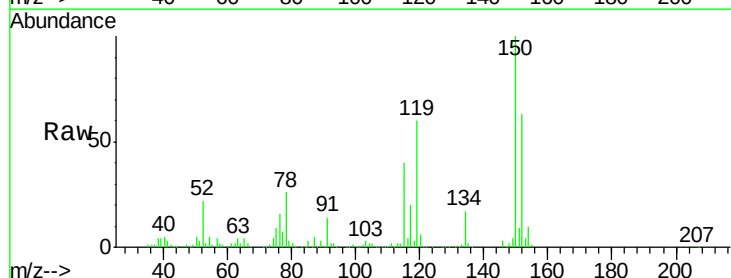
Tgt Ion:152 Resp: 130564

Ion Ratio Lower Upper

152 100

115 66.1 40.1 120.3

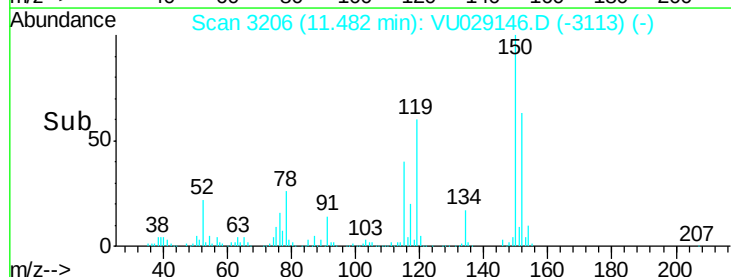
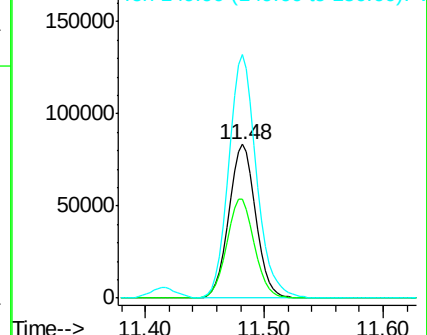
150 162.9 0.0 345.2

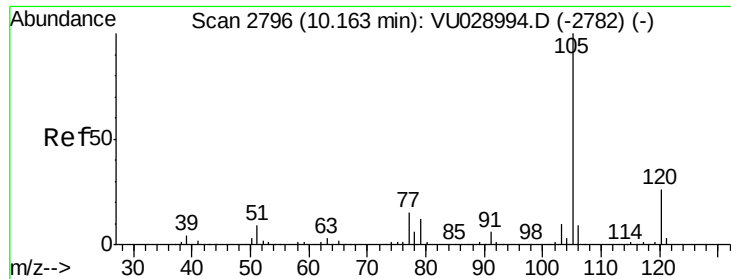


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.657 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 105 Resp: 189964

Ion Ratio Lower Upper

105 100

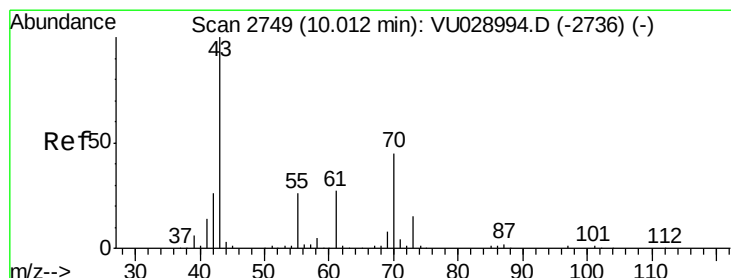
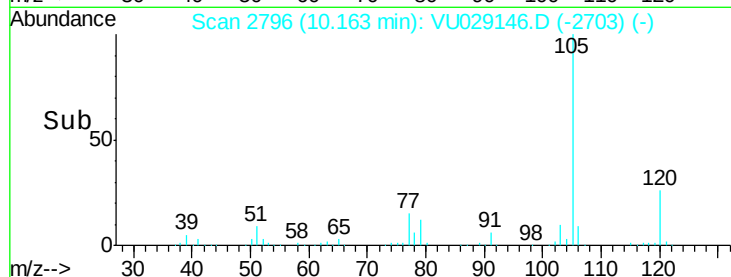
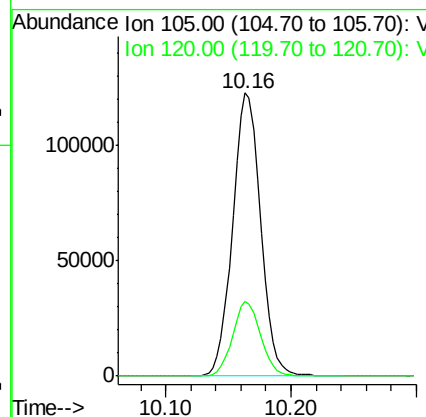
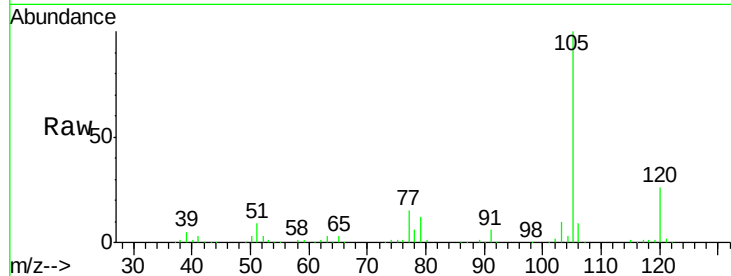
120 26.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 20.006 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion: 43 Resp: 83312

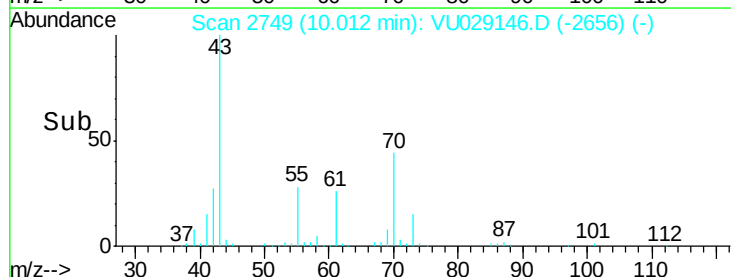
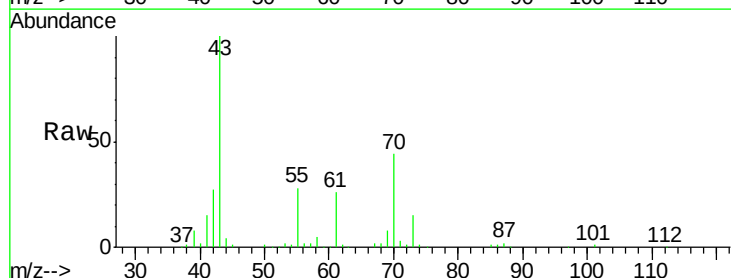
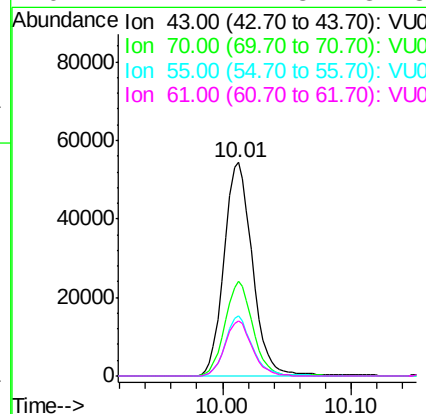
Ion Ratio Lower Upper

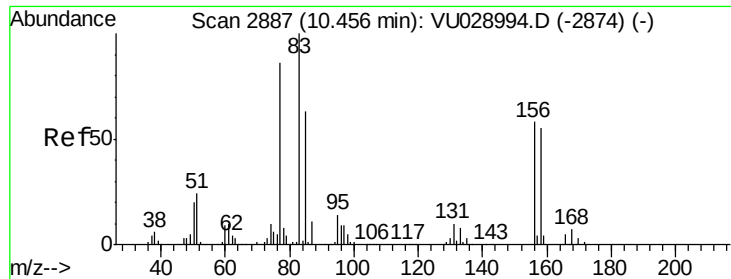
43 100

70 43.0 36.3 54.5

55 26.2 20.5 30.7

61 24.7 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.271 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

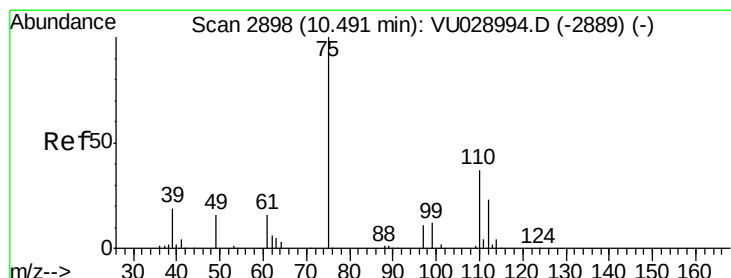
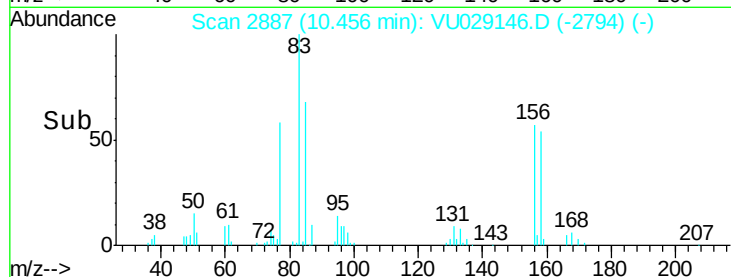
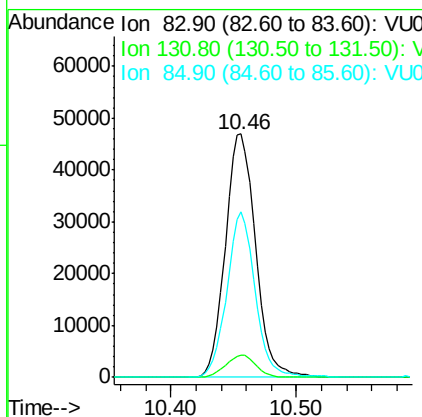
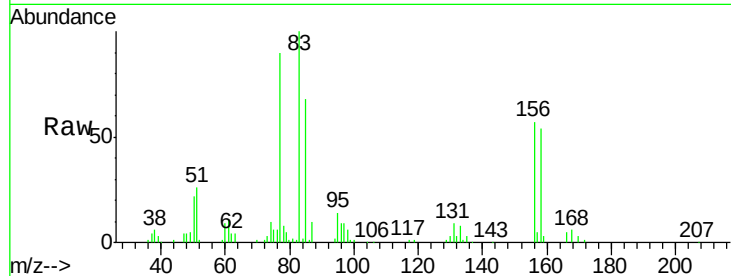
ClientSampleId :

VU0112WBSD01

Tot Ion:	83	Resp:	78514
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.7	14.1
85	63.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 20.169 ug/l m

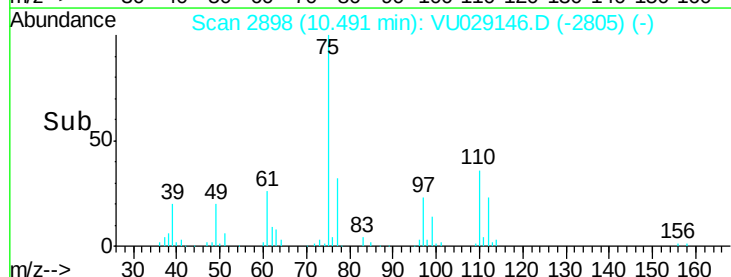
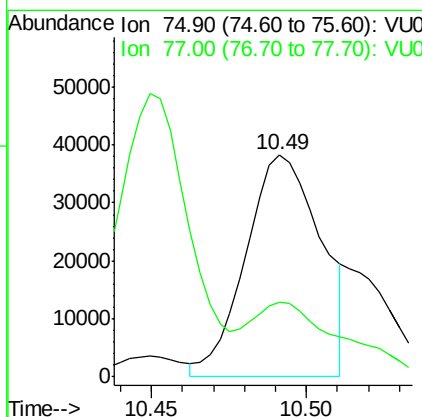
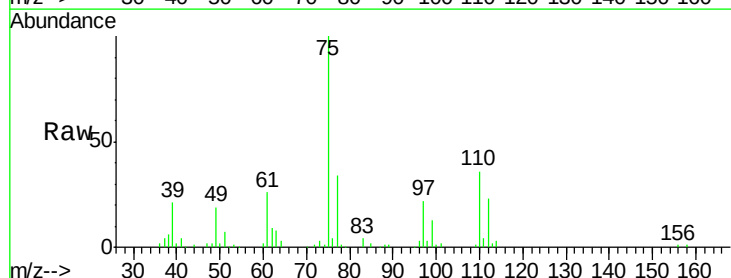
RT: 10.49 min Scan# 2898

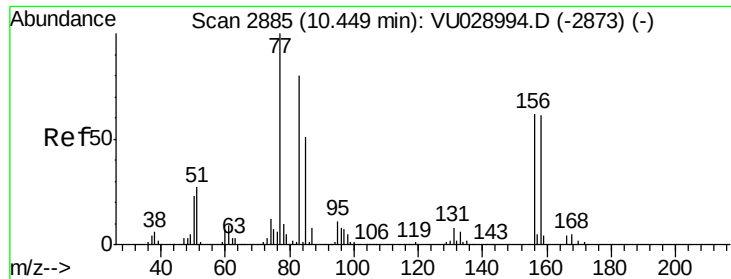
Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Tgt Ion:	75	Resp:	64520
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.9	62.8





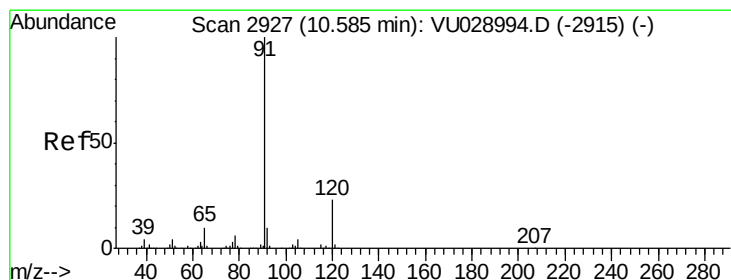
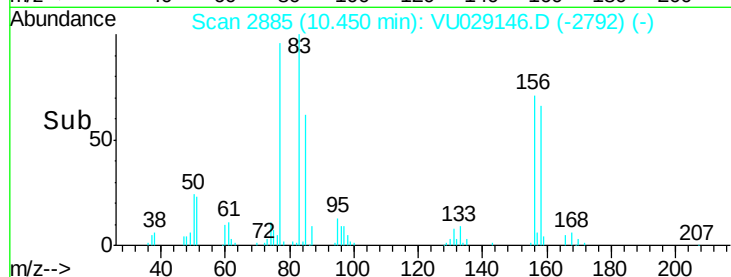
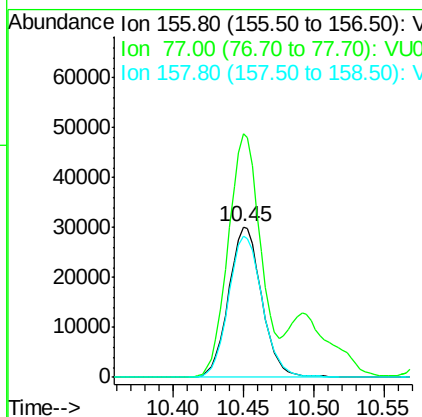
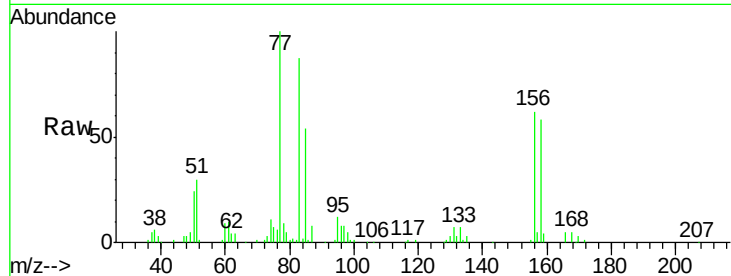
#77
Bromobenzene
Concen: 19.635 ug/l
RT: 10.45 min Scan# 2885
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	159.3	79.0	237.2	
158	96.2	48.9	146.6	

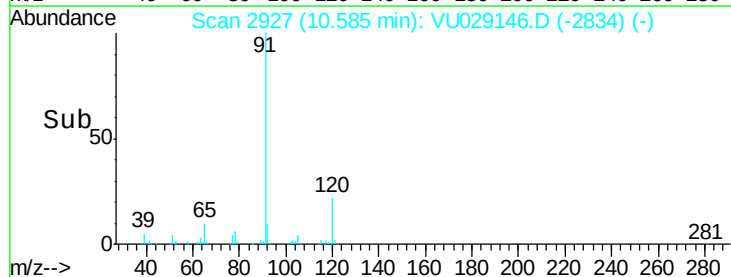
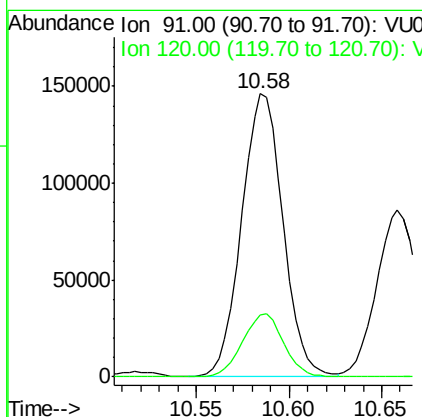
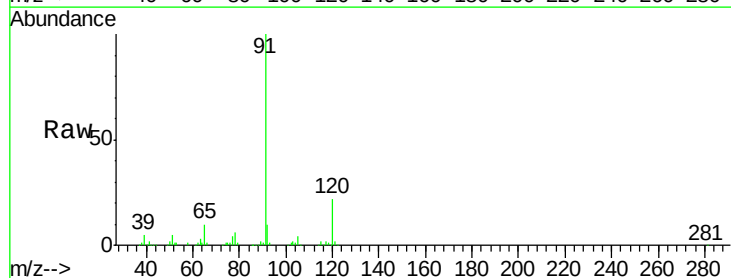
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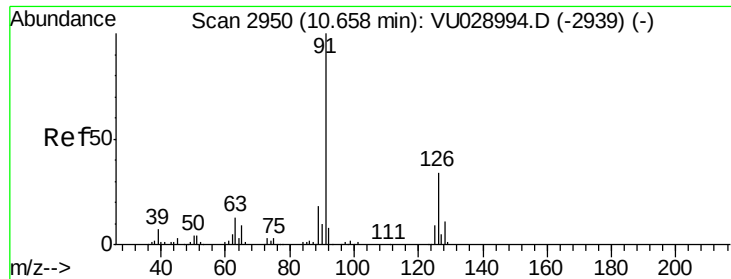
MMDadoda
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#78
n-propylbenzene
Concen: 19.890 ug/l
RT: 10.58 min Scan# 2927
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.3	11.3	33.9	





#79

2-Chlorotoluene

Concen: 19.737 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 91 Resp: 136358

Ion Ratio Lower Upper

91 100

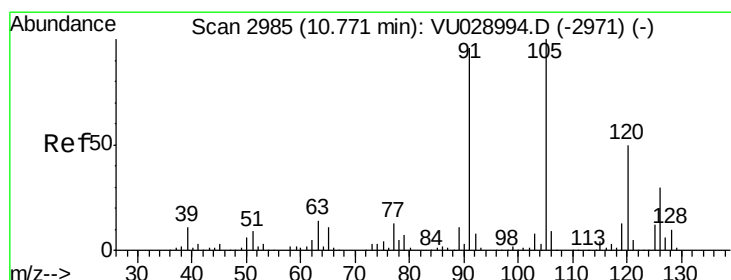
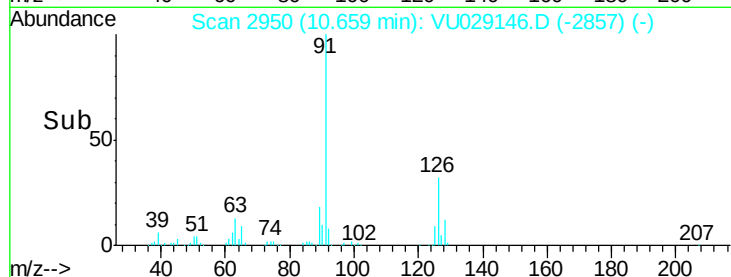
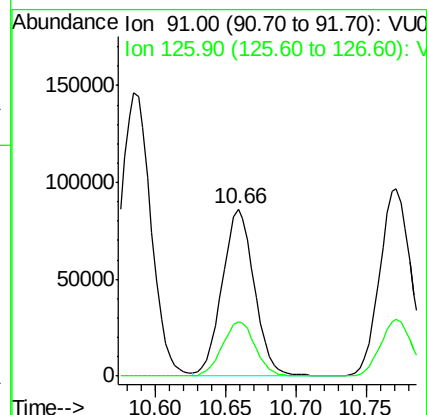
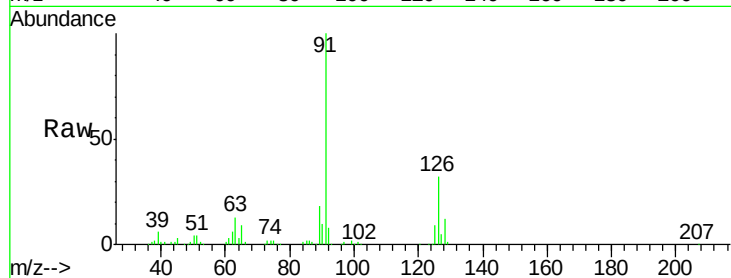
126 33.5 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 19.852 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029146.D

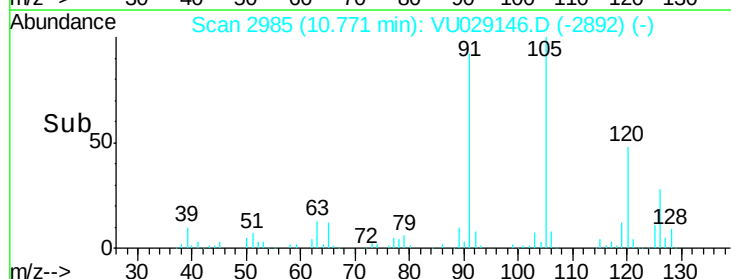
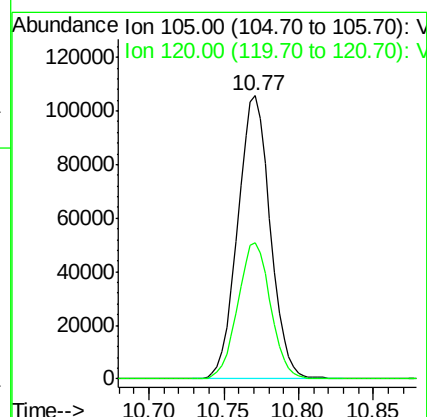
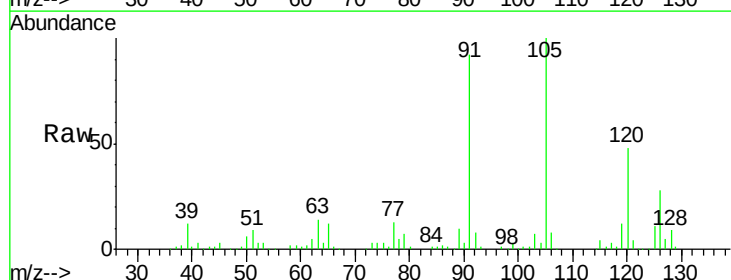
Acq: 11 Jan 2019 17:05

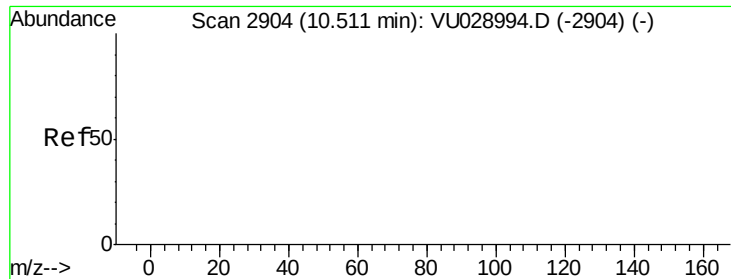
Tgt Ion: 105 Resp: 160214

Ion Ratio Lower Upper

105 100

120 48.4 24.8 74.4





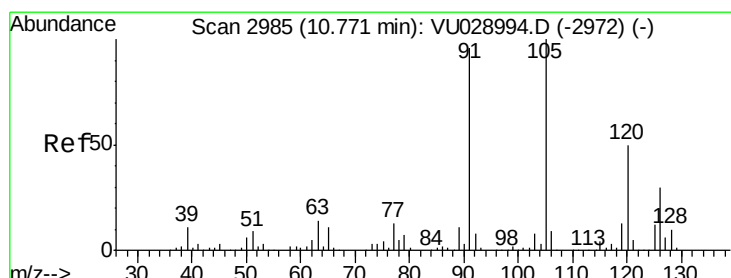
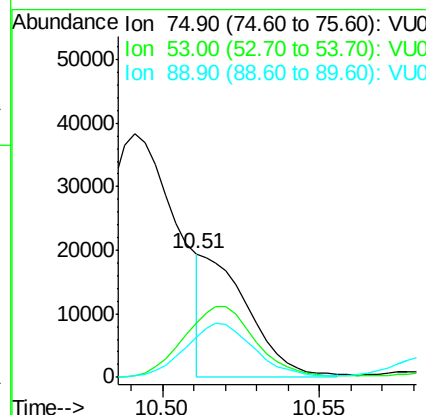
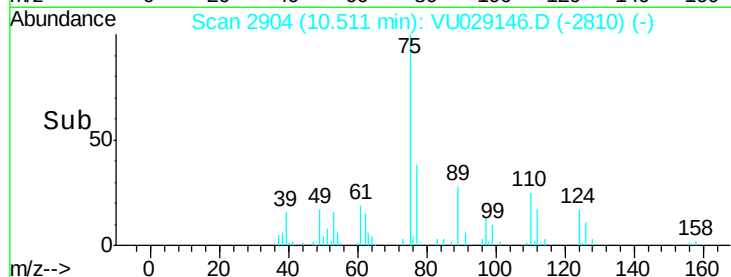
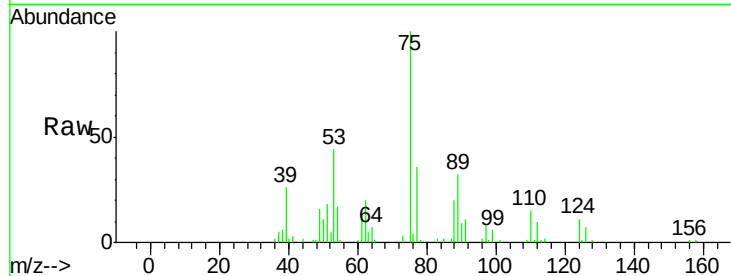
#81
trans-1,4-Dichloro-2-butene
Concen: 16.207 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

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

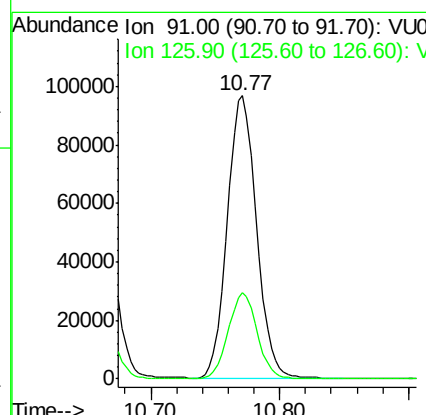
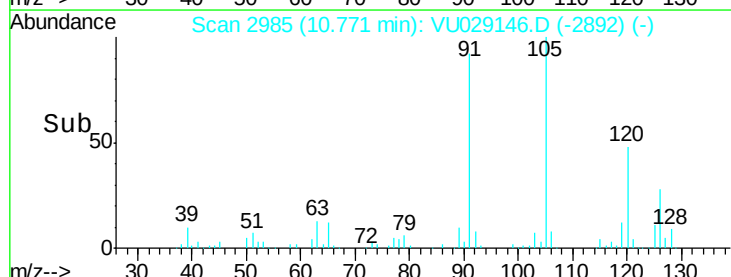
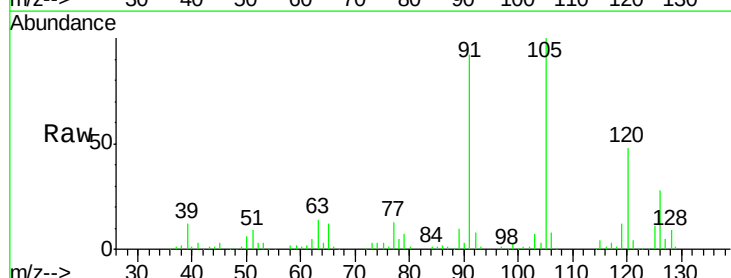
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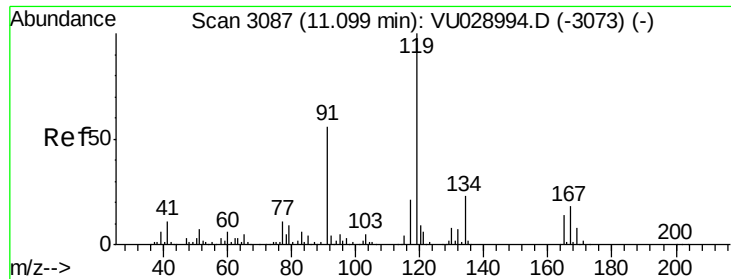
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.161 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.5	46.5





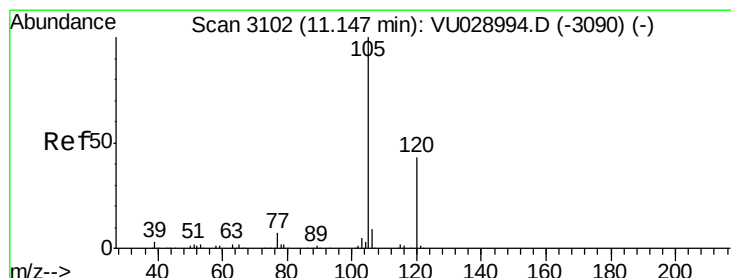
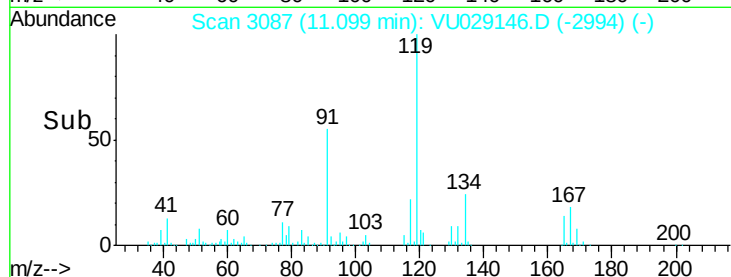
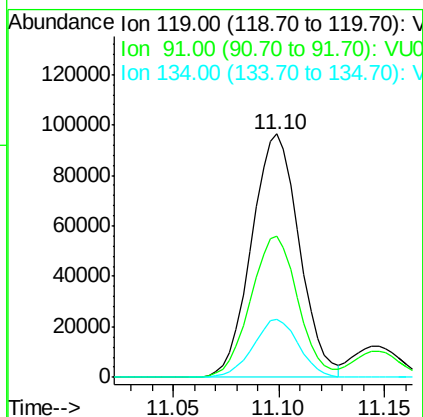
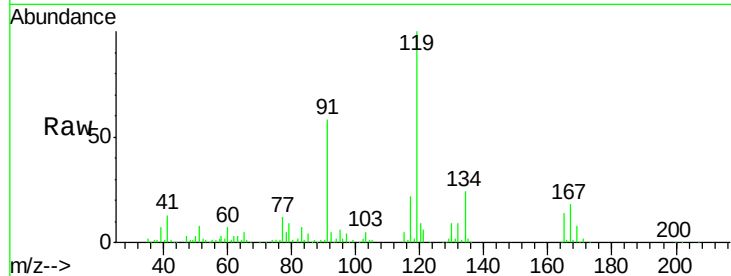
#83
tert-Butylbenzene
Concen: 19.074 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	28.2	84.6
134	22.9	11.3	33.8

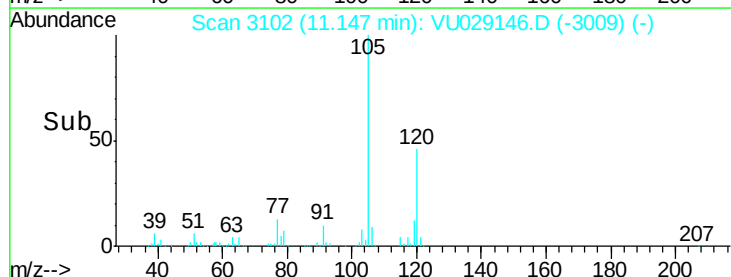
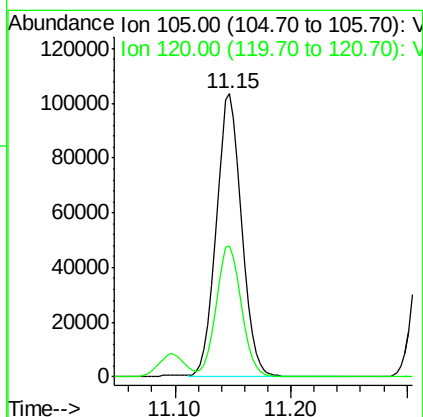
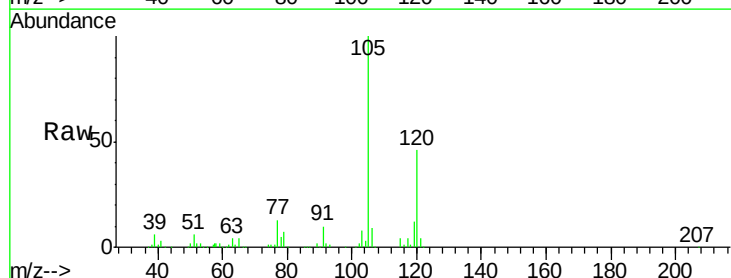
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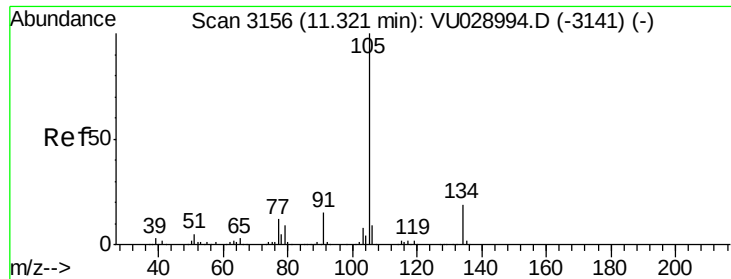
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#84
1,2,4-Trimethylbenzene
Concen: 19.695 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.3





#85

sec-Butylbenzene

Concen: 19.985 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampled :

VU0112WBSD01

Tot Ion:105 Resp: 192255

Ion Ratio Lower Upper

105 100

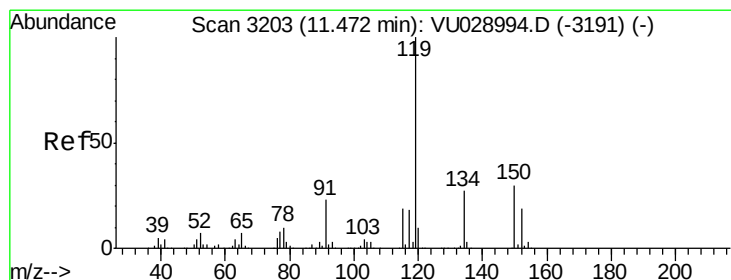
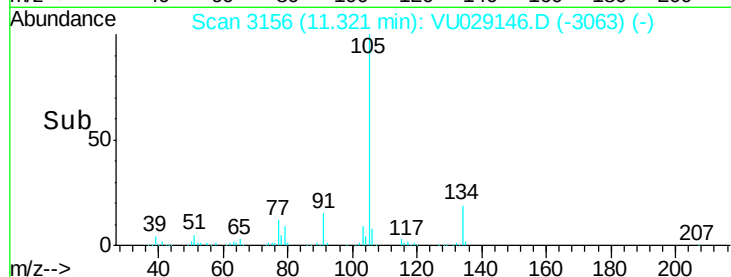
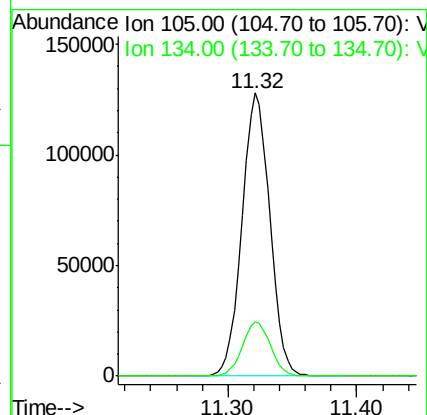
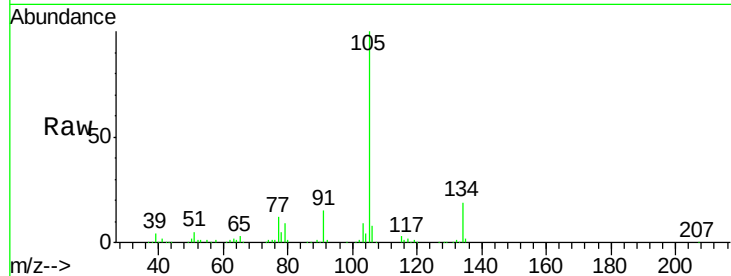
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.812 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

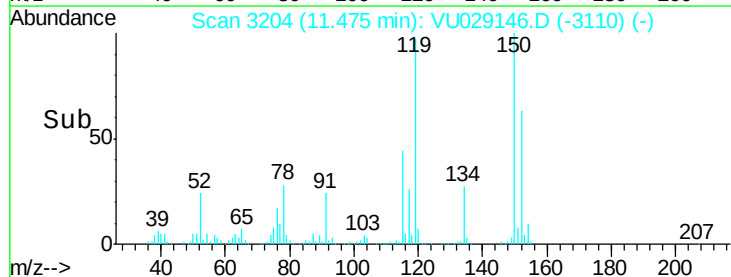
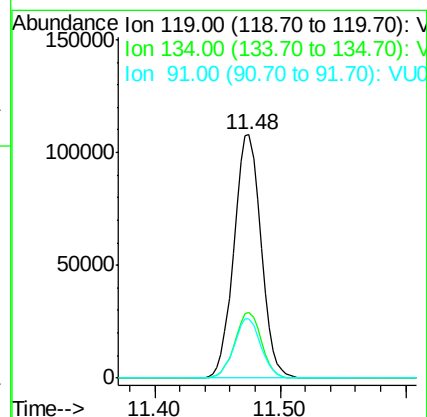
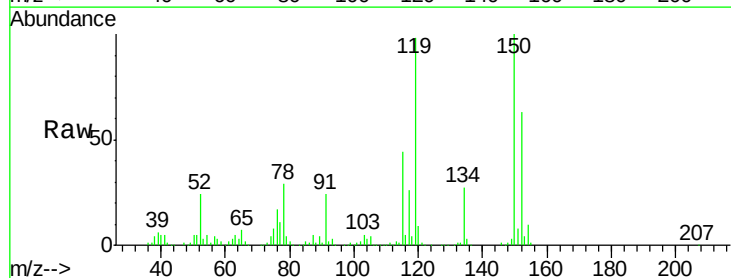
Tgt Ion:119 Resp: 162407

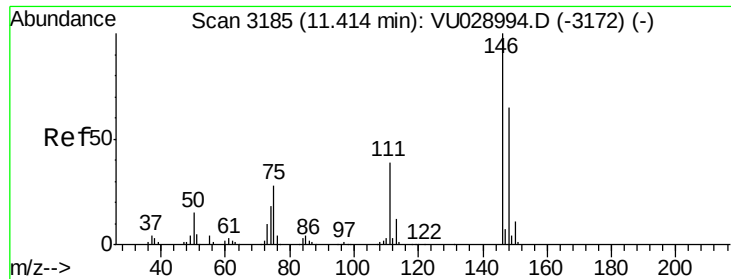
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 24.3 11.3 33.8





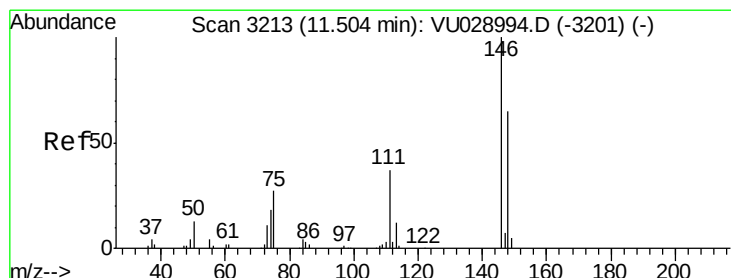
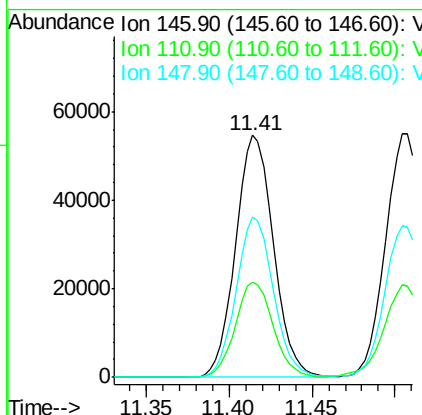
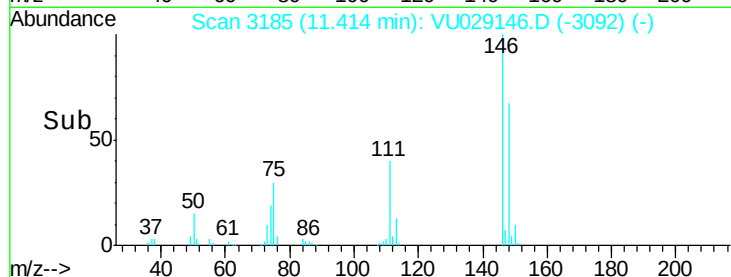
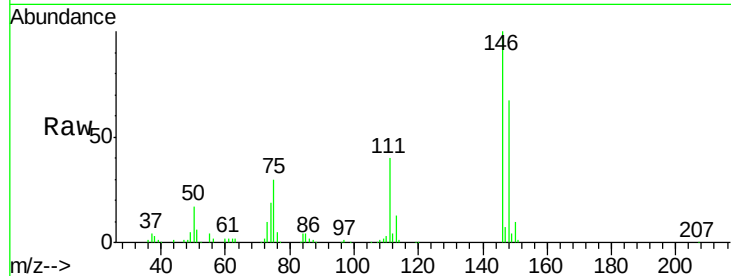
#87
 1,3-Dichlorobenzene
 Concen: 18.820 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.8
148	65.1	32.5	97.5

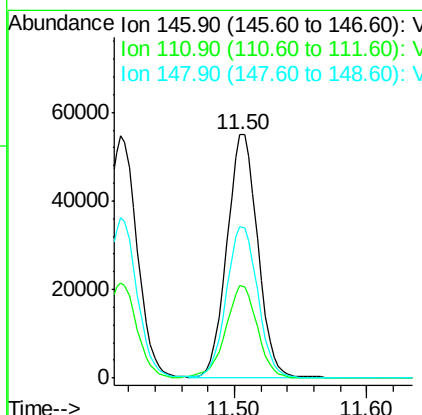
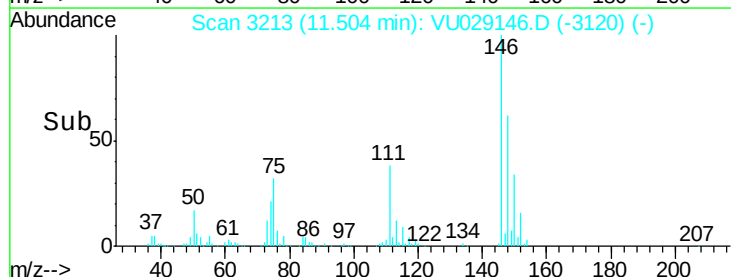
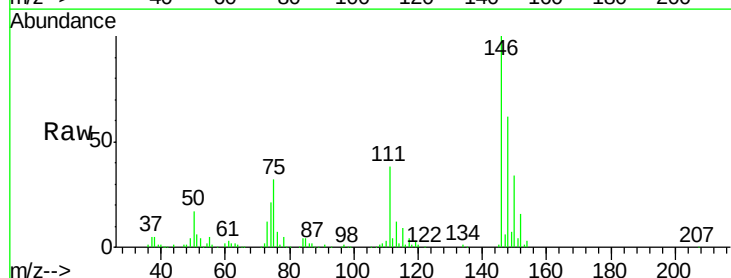
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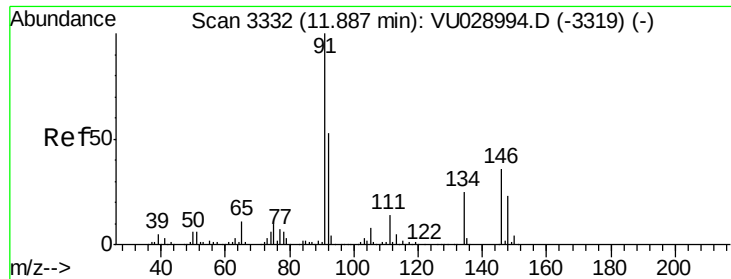
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#88
 1,4-Dichlorobenzene
 Concen: 18.607 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.3
148	64.1	32.6	98.0





#89

n-Butylbenzene

Concen: 19.931 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029146.D

Acq: 11 Jan 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

VU0112WBSD01

Tot Ion: 91 Resp: 145821

Ion Ratio Lower Upper

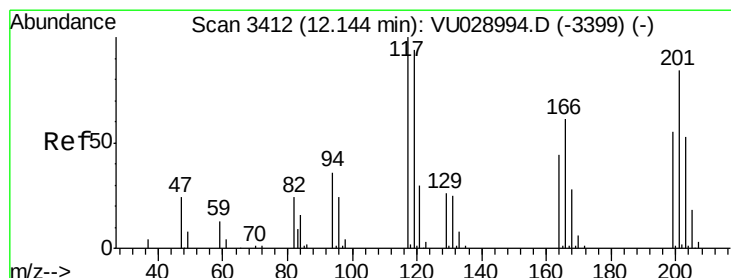
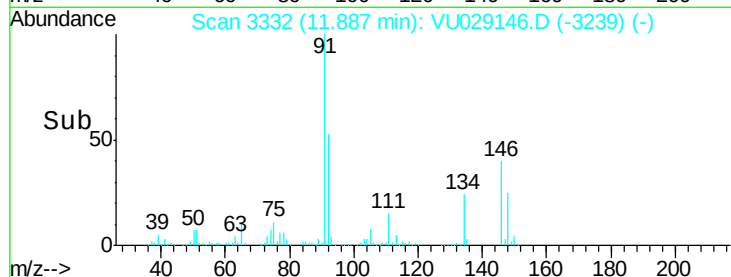
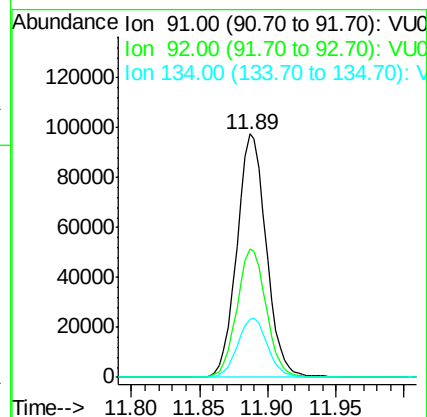
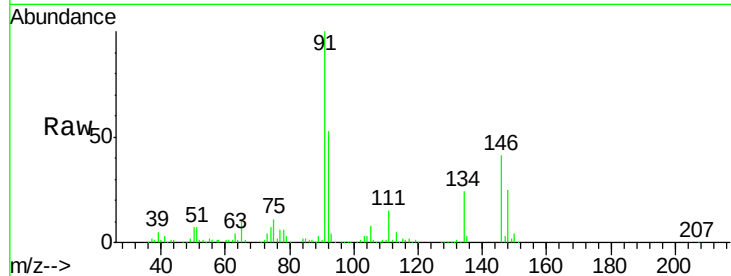
91 100

92 52.9 26.2 78.5

134 24.9 12.6 37.6

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#90

Hexachloroethane

Concen: 19.130 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029146.D

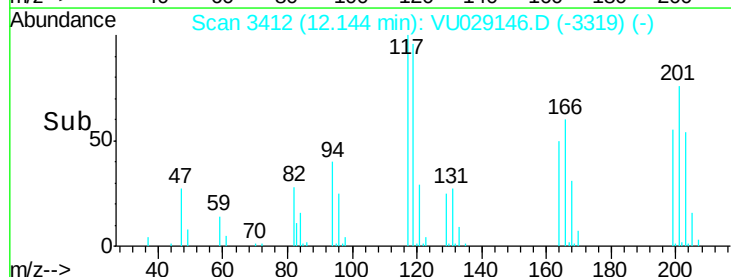
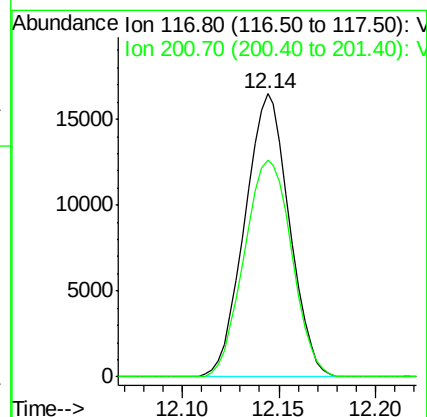
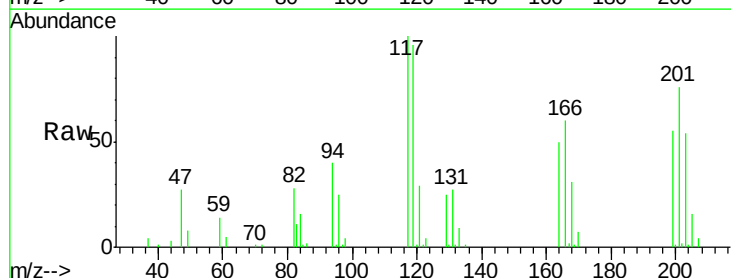
Acq: 11 Jan 2019 17:05

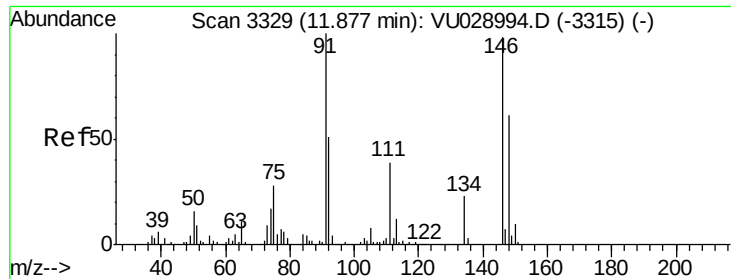
Tgt Ion: 117 Resp: 26381

Ion Ratio Lower Upper

117 100

201 81.7 42.4 127.3





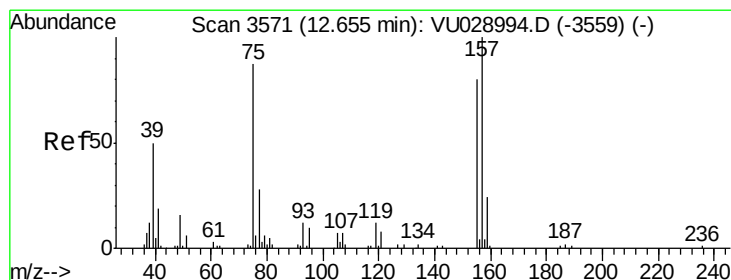
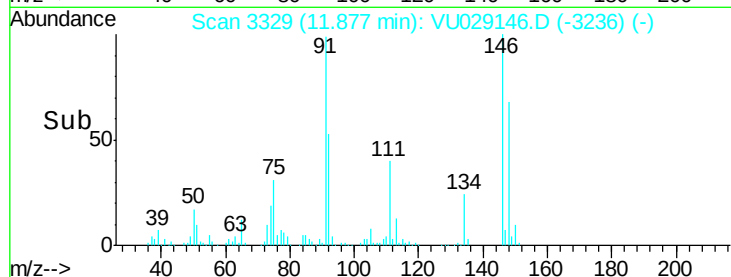
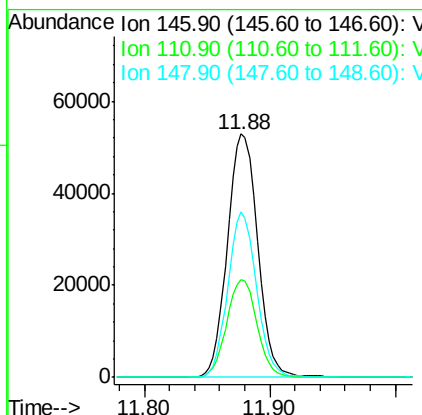
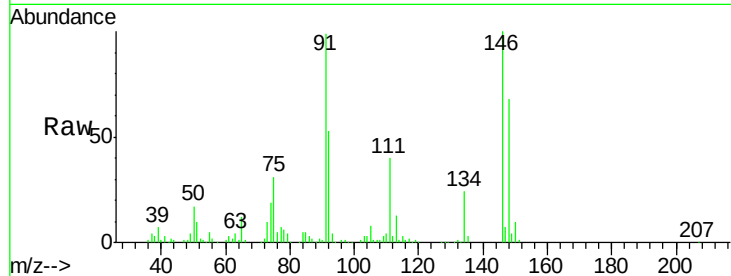
#91
 1,2-Dichlorobenzene
 Concen: 19.091 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.5	31.6	94.8

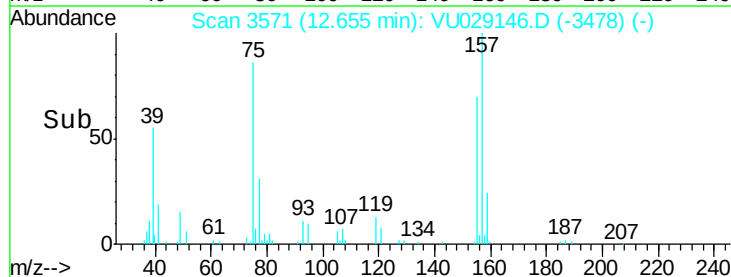
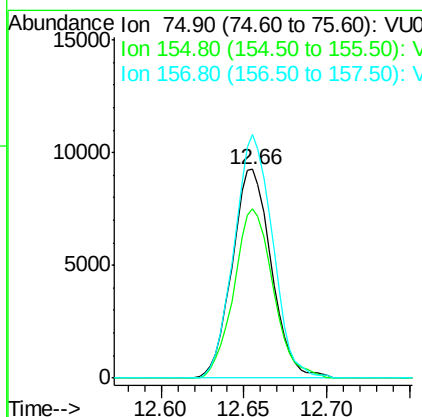
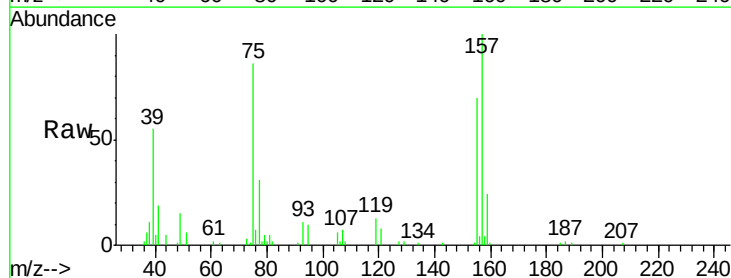
Manual Integrations
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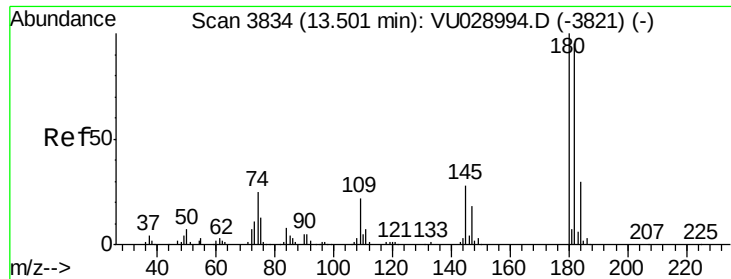
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.502 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	46.3	138.8
157	114.3	57.4	172.0





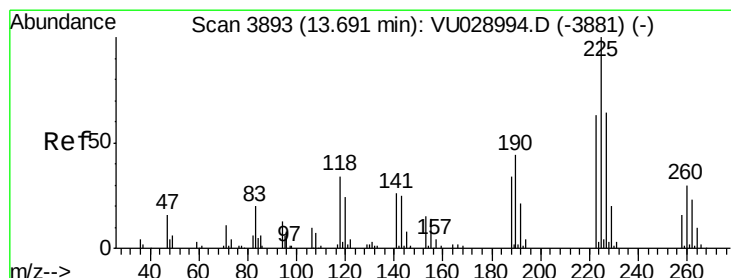
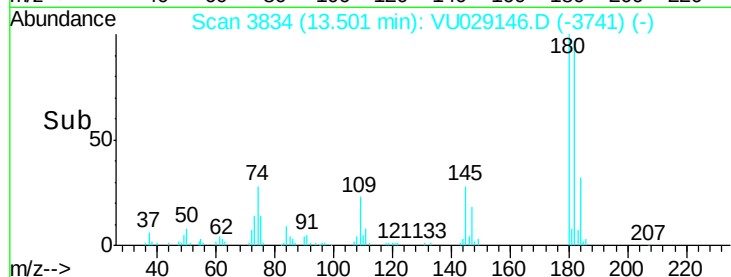
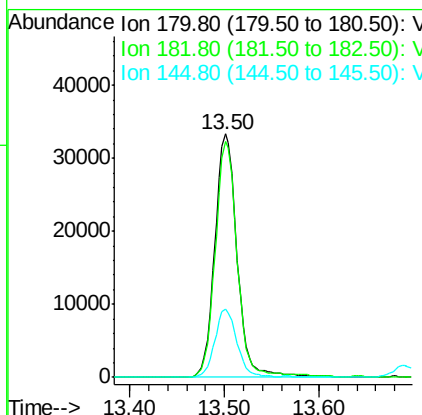
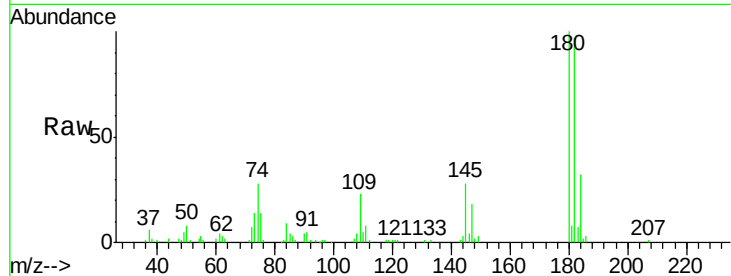
#93
 1,2,4-Trichlorobenzene
 Concen: 18.414 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	27.8	14.0	42.0

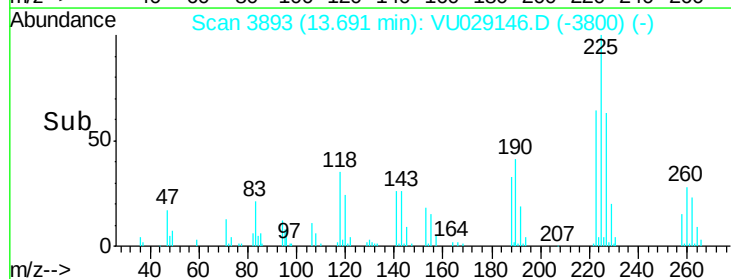
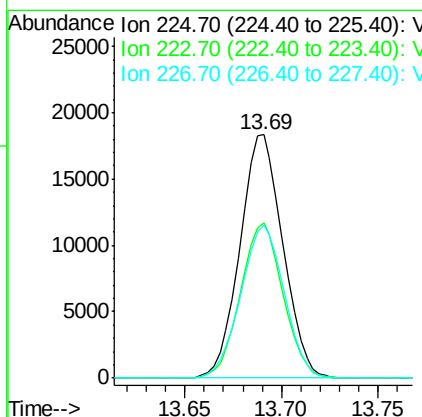
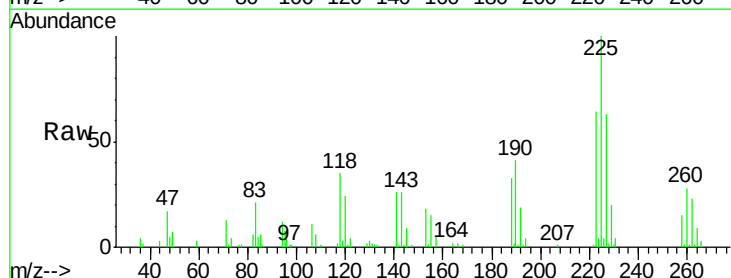
Manual Integrations
 APPROVED

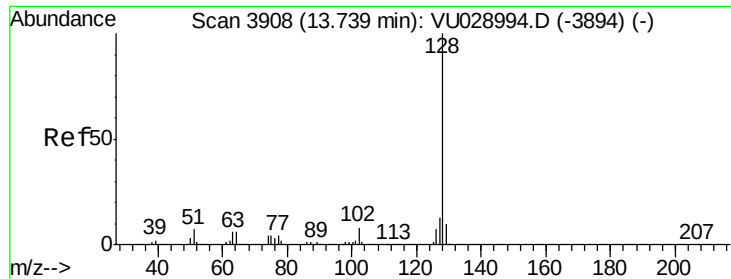
MMDadoda
 1/14/2019 10:59:06 AM



#94
 Hexachlorobutadiene
 Concen: 20.805 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029146.D
 Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.0
227	63.8	31.9	95.5





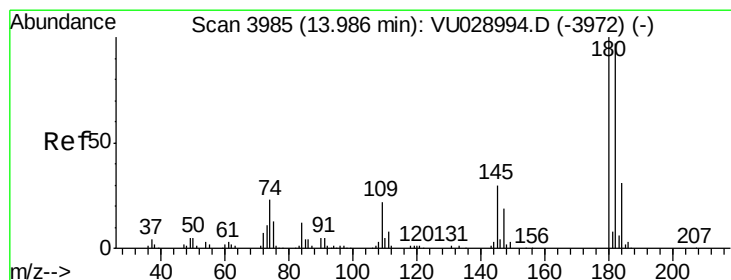
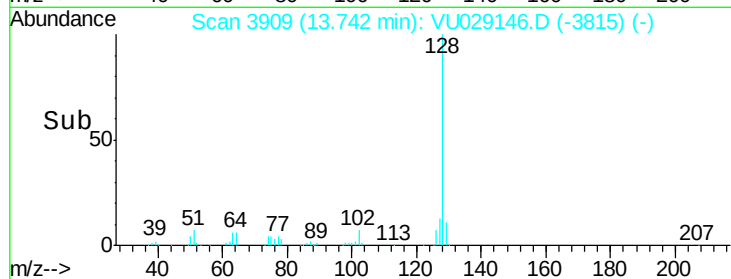
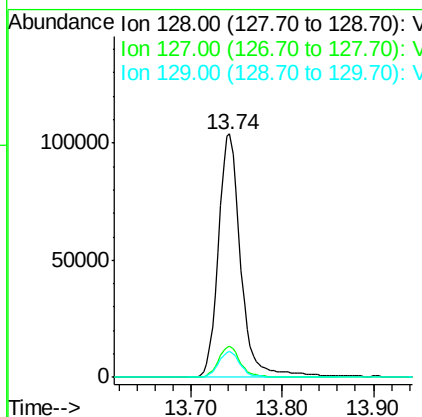
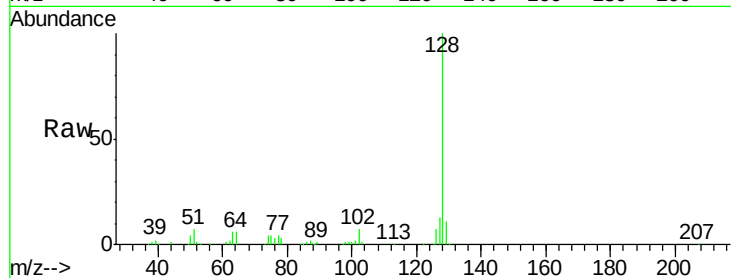
#95
Naphthalene
Concen: 17.643 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Instrument :
MSVOA_U
ClientSampleId :
VU0112WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/14/2019 10:59:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.969 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029146.D
Acq: 11 Jan 2019 17:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	48.1	144.3
145	28.0	14.8	44.4

