

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062818\
 Data File : VU025031.D
 Acq On : 28 Jun 2018 19:31
 Operator : MD/SY
 Sample : VU0628WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 4:23:36 PM

Quant Time: Jun 29 07:27:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	184595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	288706	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	267537	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151846	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	144509	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	4.89	113	117309	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
50) Toluene-d8	7.57	98	386402	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
62) 4-Bromofluorobenzene	10.31	95	157760	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39328	17.02	ug/l	99
3) Chloromethane	1.33	50	44333	18.78	ug/l	99
4) Vinyl Chloride	1.40	62	47842	19.65	ug/l	99
5) Bromomethane	1.62	94	29620	25.17	ug/l	99
6) Chloroethane	1.70	64	29879	21.36	ug/l	99
7) Trichlorofluoromethane	1.89	101	75387	20.29	ug/l	99
8) Diethyl Ether	2.10	74	28930	21.82	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	43499	18.87	ug/l	98
10) Methyl Iodide	2.41	142	48768	27.65	ug/l	97
11) Tert butyl alcohol	2.82	59	72426	98.82	ug/l	99
12) 1,1-Dichloroethene	2.29	96	42123	20.04	ug/l	95
13) Acrolein	2.19	56	19935	51.80	ug/l	95
14) Allyl chloride	2.60	41	70093	17.96	ug/l	96
15) Acrylonitrile	2.93	53	151045	105.92	ug/l	98
16) Acetone	2.32	43	141795	87.57	ug/l	97
17) Carbon Disulfide	2.48	76	116270	17.28	ug/l	99
18) Methyl Acetate	2.62	43	86338	24.87	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	168709	21.35	ug/l	96
20) Methylene Chloride	2.70	84	50661	19.94	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	46816	20.22	ug/l	98
22) Diisopropyl ether	3.57	45	158761	20.52	ug/l	93
23) Vinyl Acetate	3.53	43	676035	97.55	ug/l	98
24) 1,1-Dichloroethane	3.45	63	92510	20.79	ug/l	98
25) 2-Butanone	4.26	43	220687	101.47	ug/l	96
26) 2,2-Dichloropropane	4.23	77	73349	17.36	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	55007	20.67	ug/l	98
28) Bromochloromethane	4.55	49	39728	20.27	ug/l	85
29) Tetrahydrofuran	4.64	42	139219	103.37	ug/l	96
30) Chloroform	4.68	83	95618	21.23	ug/l	98
31) Cyclohexane	5.00	56	82436	19.66	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	86881	20.86	ug/l	96
36) 1,1-Dichloropropene	5.14	75	67771	19.98	ug/l	98
37) Ethyl Acetate	4.38	43	78772	21.30	ug/l	98
38) Carbon Tetrachloride	5.14	117	76870	20.61	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	80538	19.02	ug/l	93
40) Benzene	5.39	78	200352	20.73	ug/l	98
41) Methacrylonitrile	4.54	41	44616	22.38	ug/l	98
42) 1,2-Dichloroethane	5.41	62	82567	22.43	ug/l	99
43) Isopropyl Acetate	5.55	43	127950	20.02	ug/l	98
44) Trichloroethene	6.19	130	54457	19.79	ug/l	96
45) 1,2-Dichloropropane	6.44	63	52635	20.41	ug/l	98
46) Dibromomethane	6.56	93	38015	20.98	ug/l	94
47) Bromodichloromethane	6.76	83	72135	19.99	ug/l	98
48) Methyl methacrylate	6.63	41	65996	21.21	ug/l	98
49) 1,4-Dioxane	6.62	88	26554	436.28	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	419346	104.43	ug/l	98
52) Toluene	7.64	92	127529	20.51	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	74830	18.47	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	79562	18.43	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	53247	21.06	ug/l	96
56) Ethyl methacrylate	8.02	69	82452	19.49	ug/l	98
57) 1,3-Dichloropropane	8.25	76	88939	20.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.13	63	36217	22.34	ug/l	97
59) 2-Hexanone	8.36	43	328362	100.16	ug/l	100
60) Dibromochloromethane	8.48	129	56622	17.96	ug/l	99
61) 1,2-Dibromoethane	8.59	107	58336	20.73	ug/l	98
64) Tetrachloroethene	8.23	164	54011	21.24	ug/l	99
65) Chlorobenzene	9.12	112	144881	21.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	54040	20.81	ug/l	98
67) Ethyl Benzene	9.25	91	249014	20.78	ug/l	98
68) m/p-Xylenes	9.38	106	191656	41.66	ug/l	98
69) o-Xylene	9.78	106	97308	21.37	ug/l	97
70) Styrene	9.80	104	150681	20.14	ug/l	98
71) Bromoform	9.96	173	44695	18.11	ug/l #	98
73) Isopropylbenzene	10.17	105	257748	22.11	ug/l	99
74) N-amyl acetate	10.01	43	110323	19.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	86795	22.22	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	79574m	23.80	ug/l	
77) Bromobenzene	10.45	156	65628	22.24	ug/l	94
78) n-propylbenzene	10.59	91	286192	20.84	ug/l	97
79) 2-Chlorotoluene	10.66	91	178880	22.09	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	222769	22.05	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	27049m	18.73	ug/l	
82) 4-Chlorotoluene	10.78	91	198554	21.06	ug/l	99
83) tert-Butylbenzene	11.10	119	221864	22.83	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	222639	21.62	ug/l	100
85) sec-Butylbenzene	11.33	105	259468	21.33	ug/l	97
86) p-Isopropyltoluene	11.48	119	233987	21.47	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115654	21.21	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	114985	20.95	ug/l	98
89) n-Butylbenzene	11.89	91	176701	18.27	ug/l	97
90) Hexachloroethane	12.15	117	39838	18.74	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	122965	22.51	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	22998	21.33	ug/l	97

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ClientSampleId :
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QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	72527	21.50	ug/l	99
94) Hexachlorobutadiene	13.70	225	40676	21.43	ug/l	99
95) Naphthalene	13.74	128	254651	23.18	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79138	23.55	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion:168 Resp: 184595

Ion Ratio Lower Upper

168 100

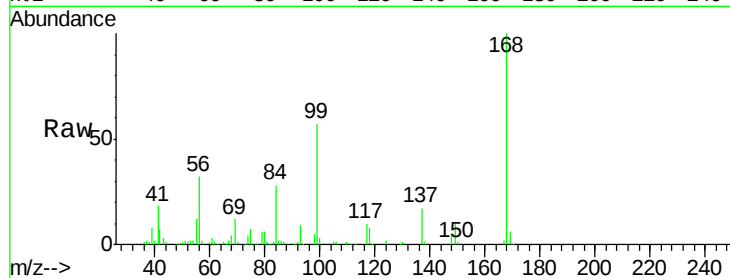
99 56.8 43.2 64.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

80000

60000

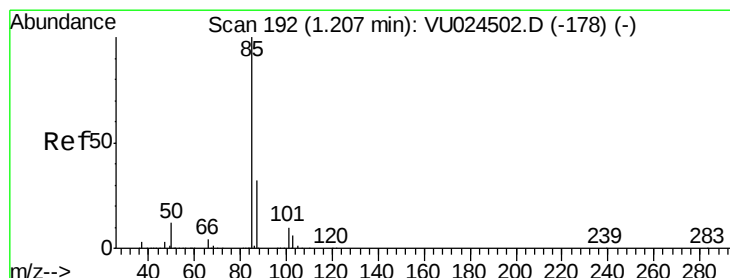
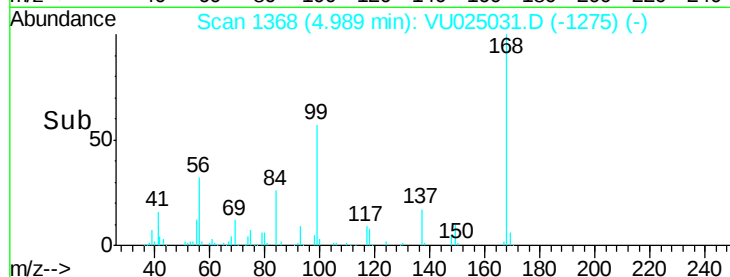
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.02 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025031.D

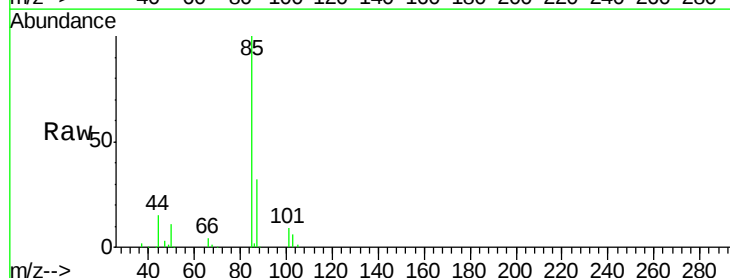
Acq: 28 Jun 2018 19:31

Tgt Ion: 85 Resp: 39328

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

40000

30000

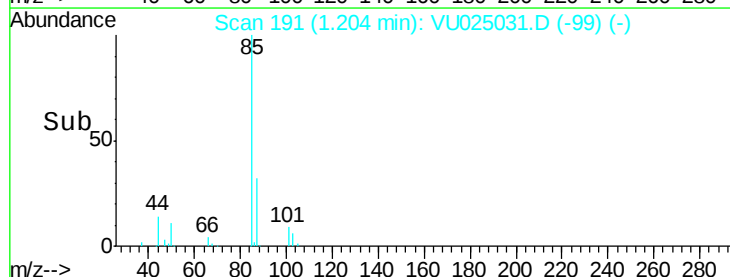
20000

10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.78 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 50 Resp: 44333

Ion Ratio Lower Upper

50 100

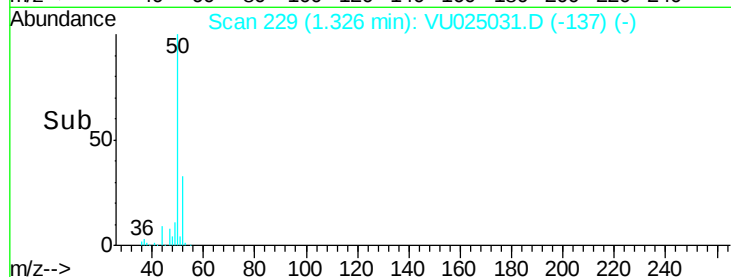
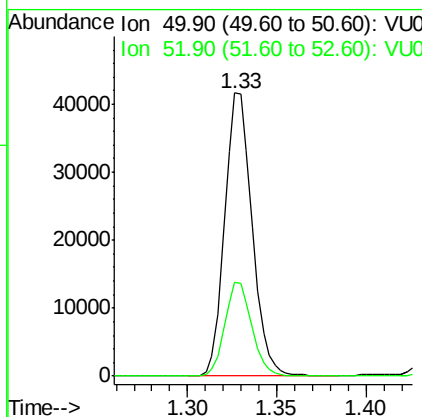
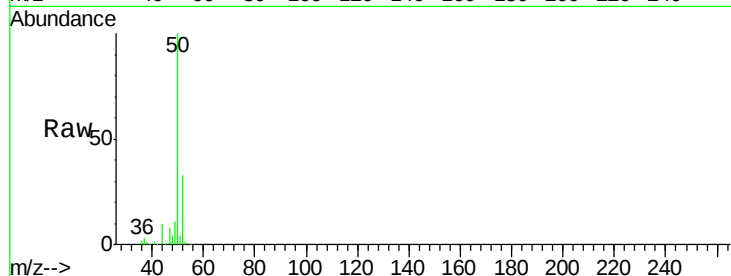
52 33.4 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.65 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025031.D

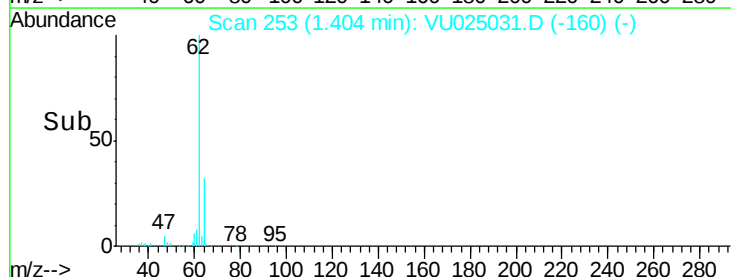
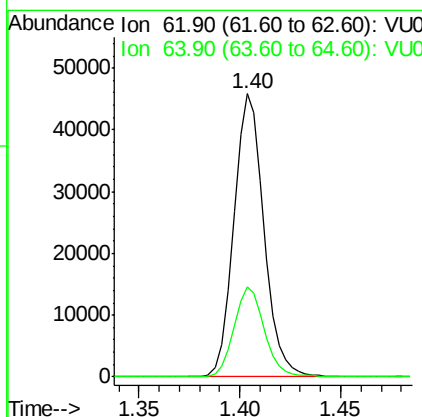
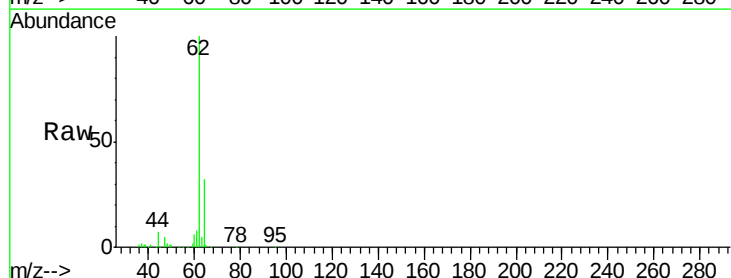
Acq: 28 Jun 2018 19:31

Tgt Ion: 62 Resp: 47842

Ion Ratio Lower Upper

62 100

64 31.7 24.8 37.2





#5

Bromomethane

Concen: 25.17 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 94 Resp: 29620

Ion Ratio Lower Upper

94 100

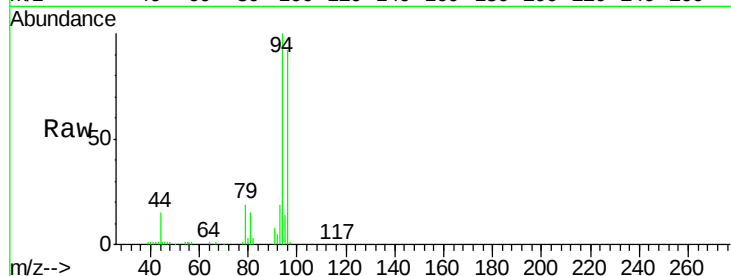
96 91.9 74.5 111.7

Manual Integrations

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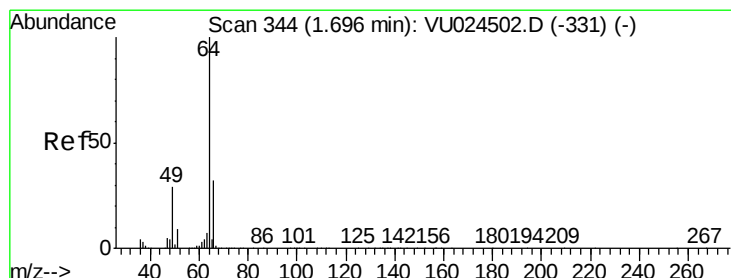
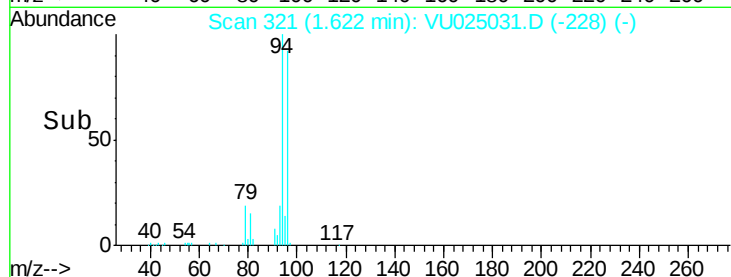
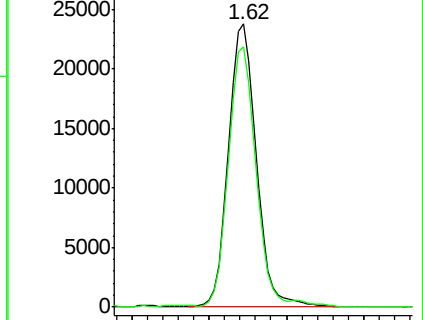
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 21.36 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025031.D

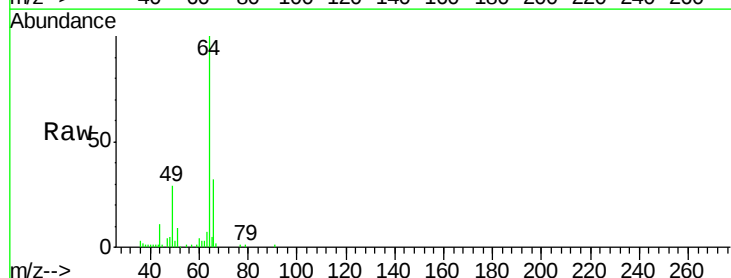
Acq: 28 Jun 2018 19:31

Tgt Ion: 64 Resp: 29879

Ion Ratio Lower Upper

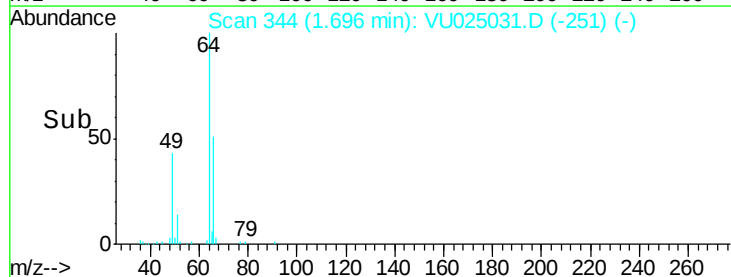
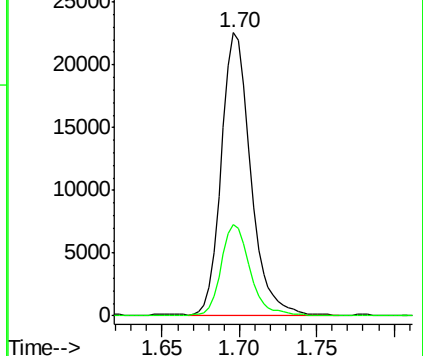
64 100

66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

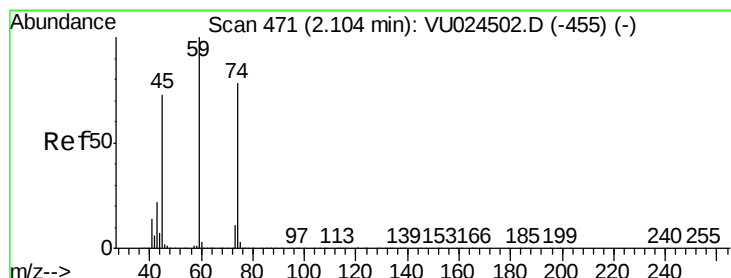
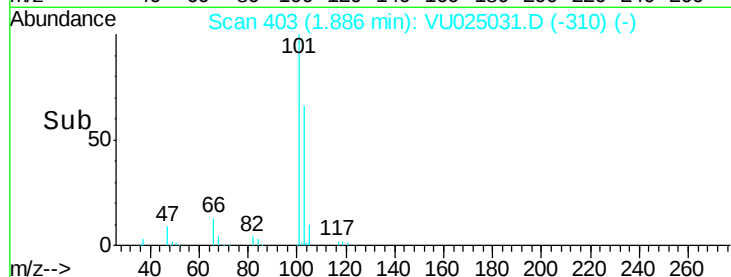
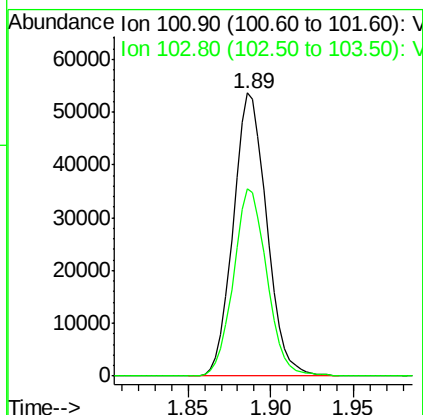
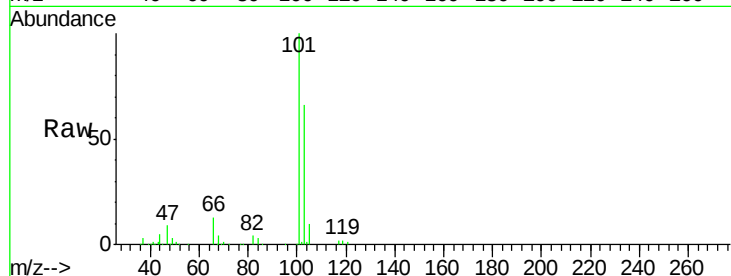
Trichlorofluoromethane
 Concen: 20.29 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
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 ClientSampleId :
 VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

Manual Integrations
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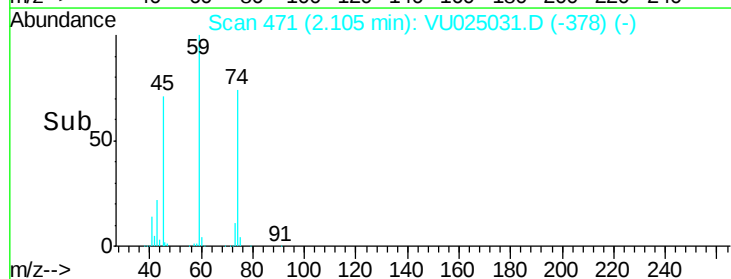
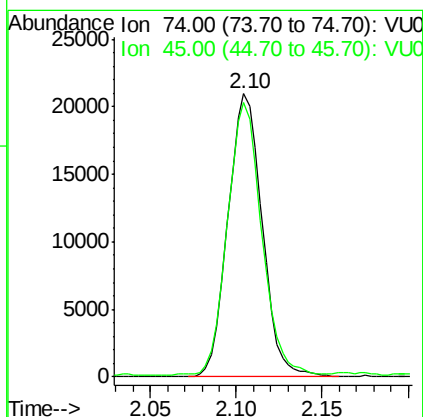
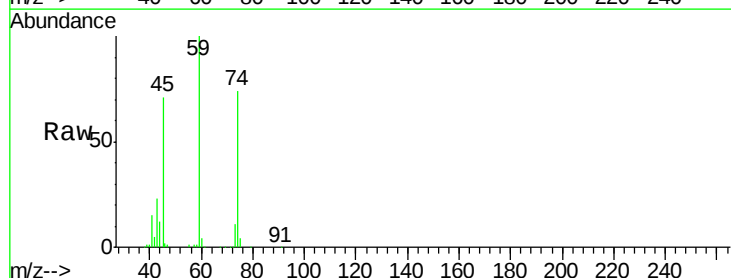
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 6/29/2018 4:23:36 PM



#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.87 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

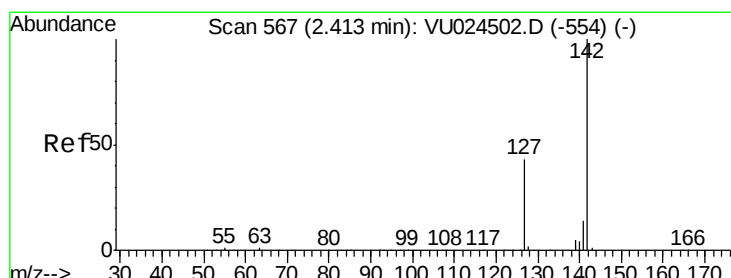
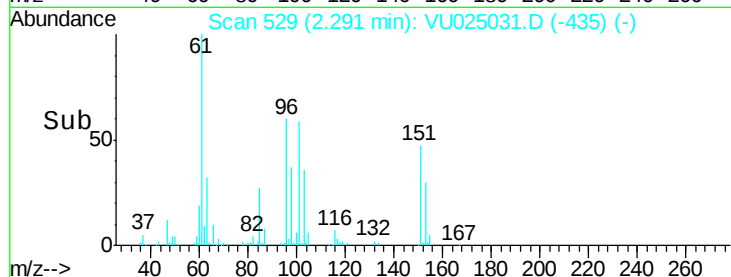
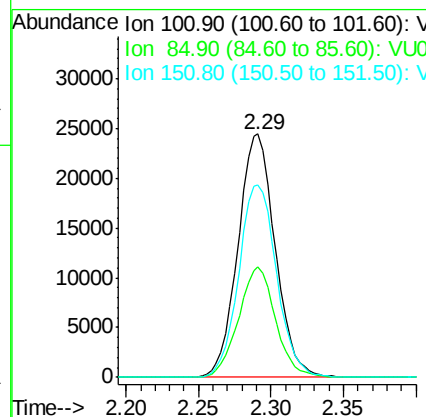
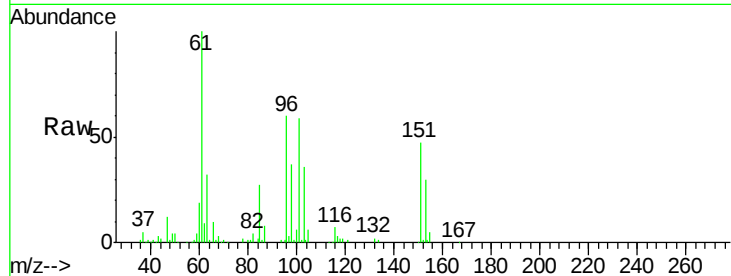
ClientSampleId :

VU0628WBSD01

Tot Ion:	101	Resp:	43499
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	80.8	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 27.65 ug/l

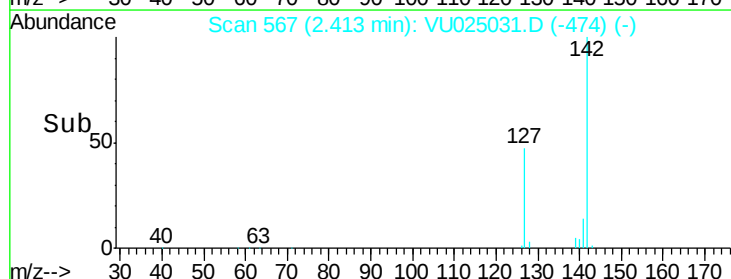
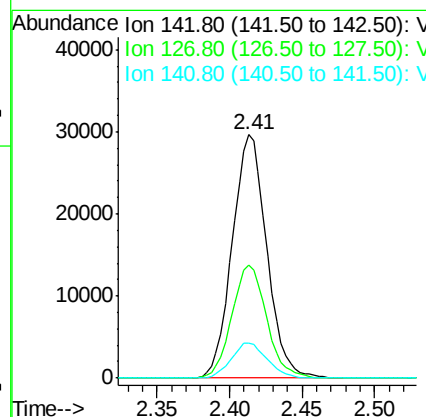
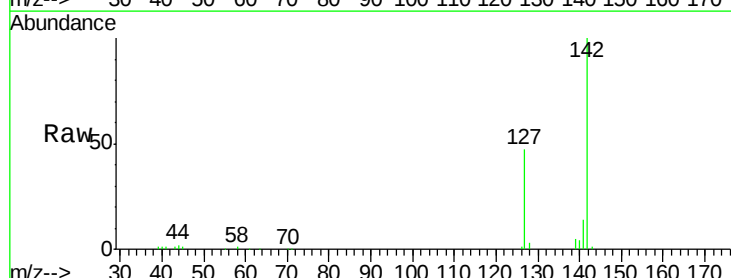
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	142	Resp:	48768
Ion Ratio	Lower	Upper	
142	100		
127	46.9	35.6	53.4
141	14.8	11.7	17.5





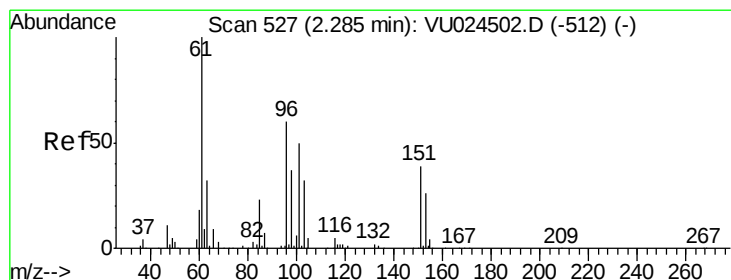
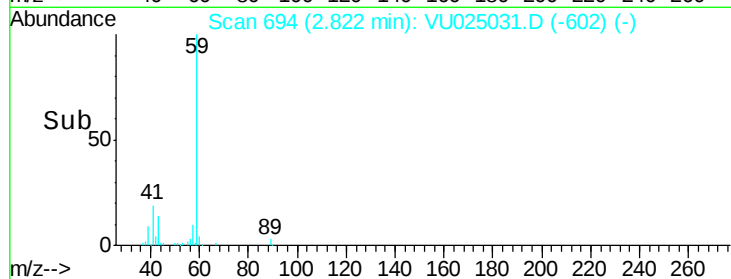
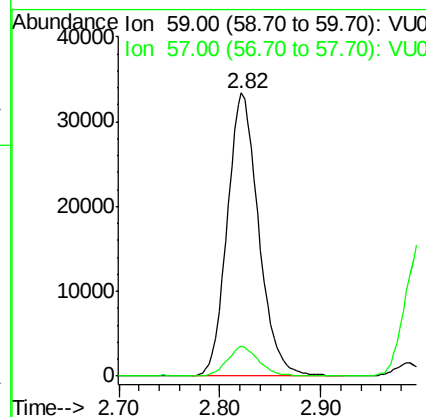
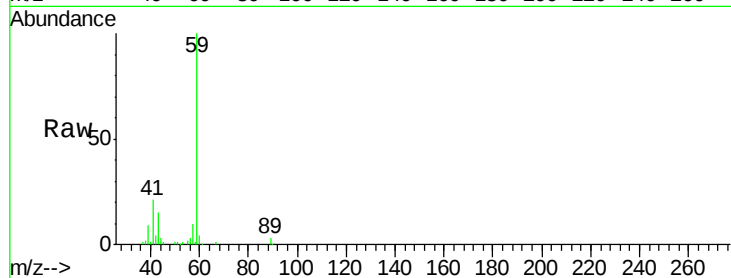
#11
Tert butyl alcohol
Concen: 98.82 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	72426		
57	57	10.4		8.5	12.7

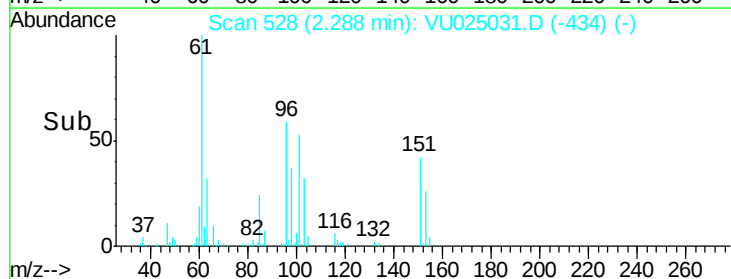
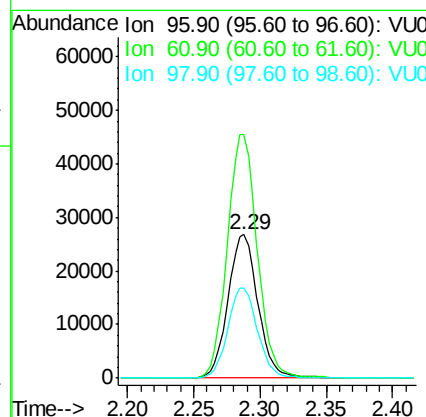
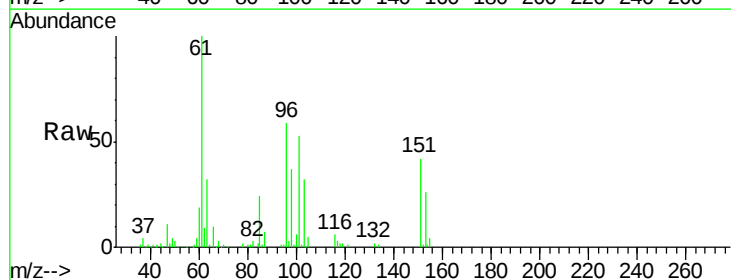
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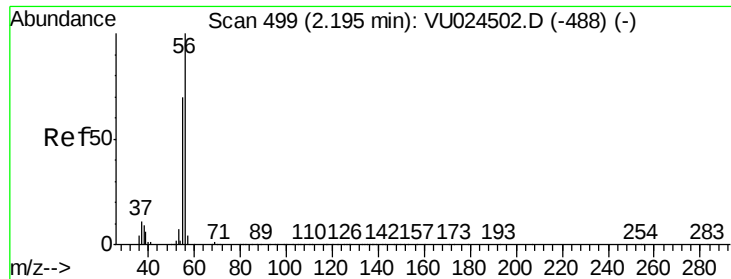
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.04 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	42123		
61	61	169.5		141.7	212.5
98	98	62.8		51.6	77.4





#13

Acrolein

Concen: 51.80 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 56 Resp: 19935

Ion Ratio Lower Upper

56 100

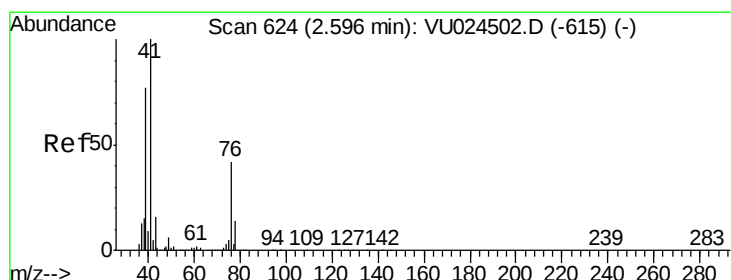
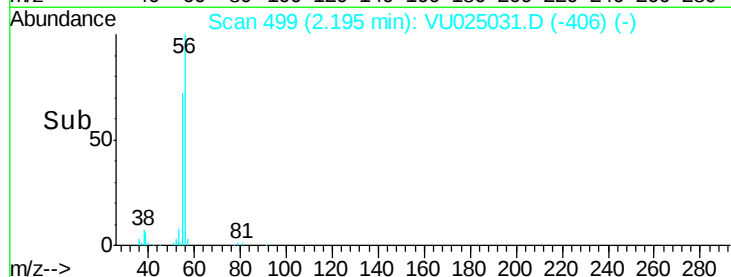
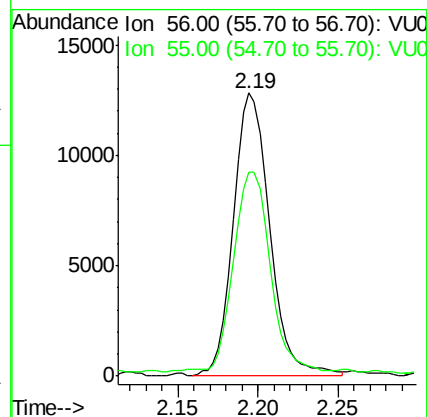
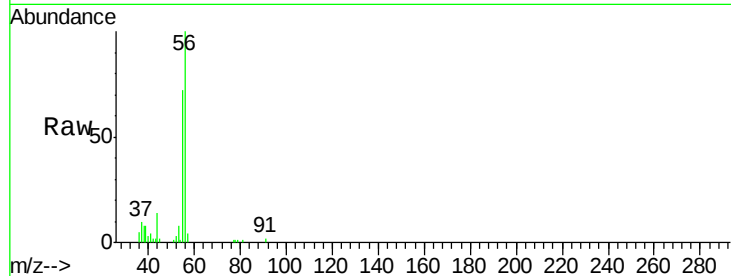
55 68.6 58.4 87.6

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#14

Allyl chloride

Concen: 17.96 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

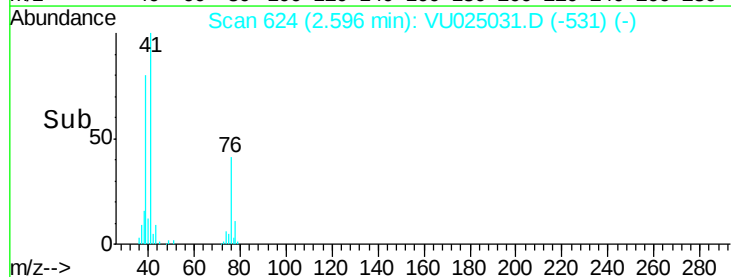
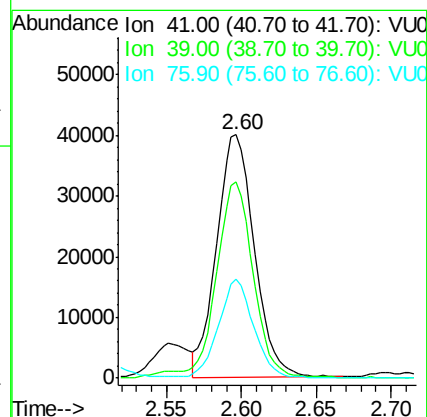
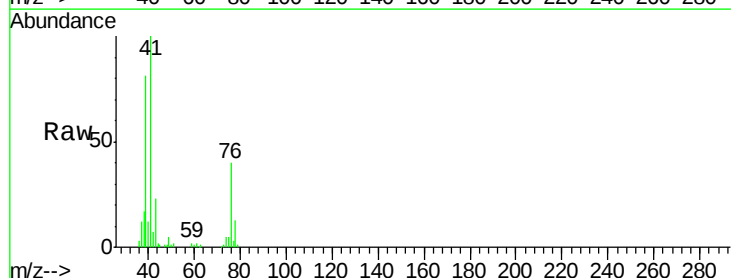
Tgt Ion: 41 Resp: 70093

Ion Ratio Lower Upper

41 100

39 80.8 61.6 92.4

76 38.2 29.7 44.5





#15

Acrylonitrile

Concen: 105.92 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

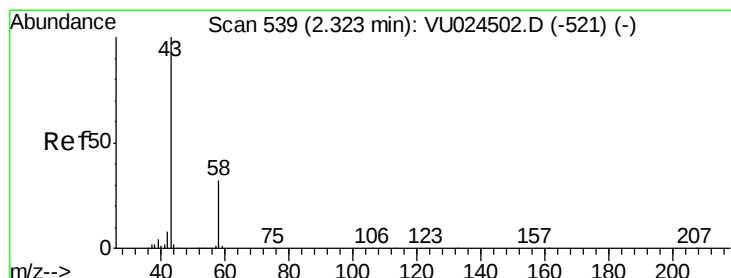
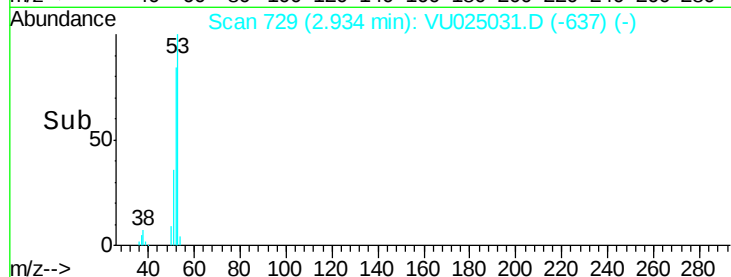
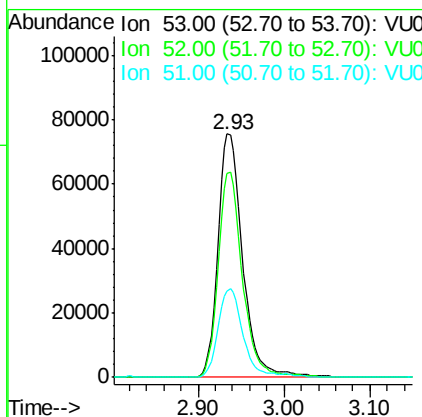
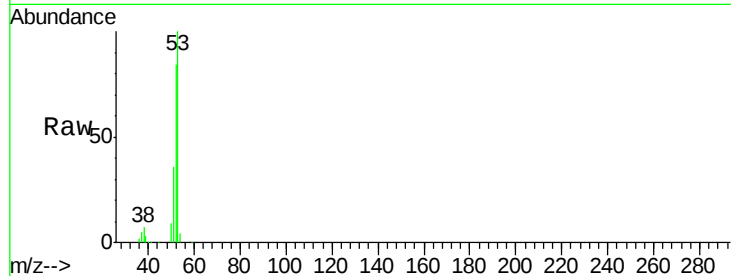
ClientSampleId :

VU0628WBSD01

Tot Ion:	53	Resp:	151045
Ion Ratio	Lower	Upper	
53	100		
52	81.9	67.1	100.7
51	36.3	28.4	42.6

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#16

Acetone

Concen: 87.57 ug/l

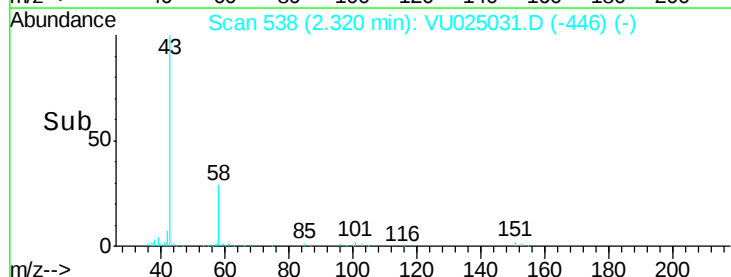
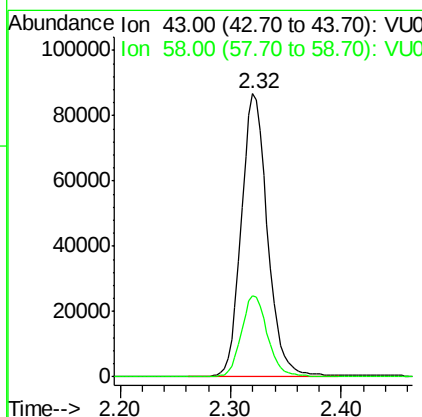
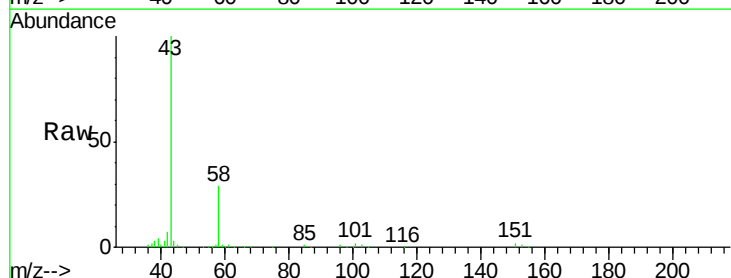
RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	43	Resp:	141795
Ion Ratio	Lower	Upper	
43	100		
58	28.7	24.4	36.6





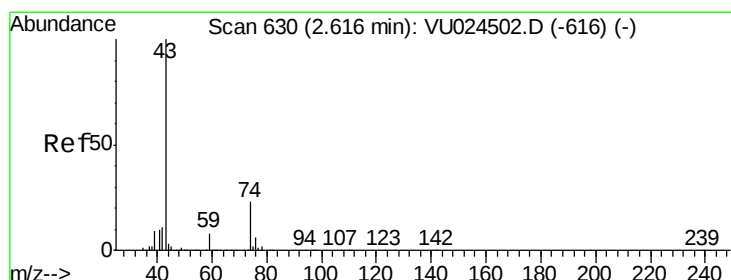
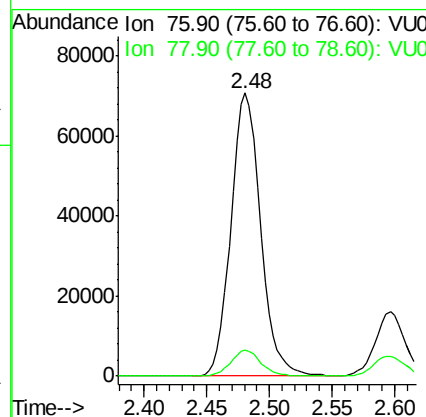
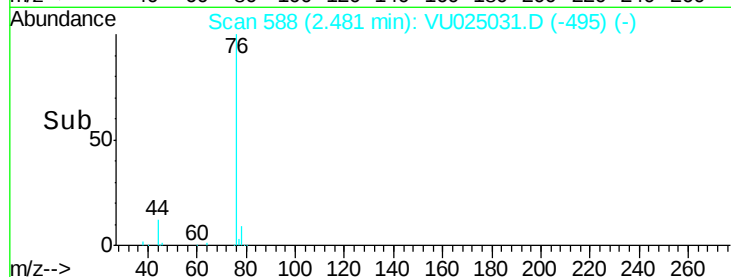
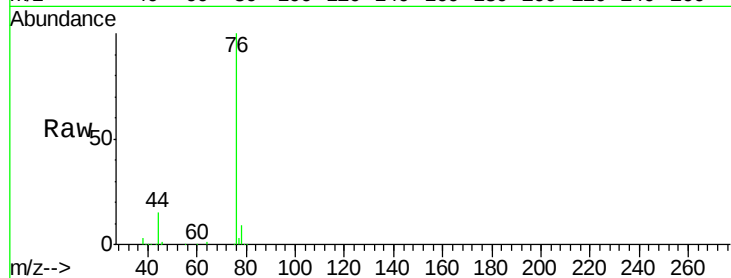
#17
Carbon Disulfide
Concen: 17.28 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

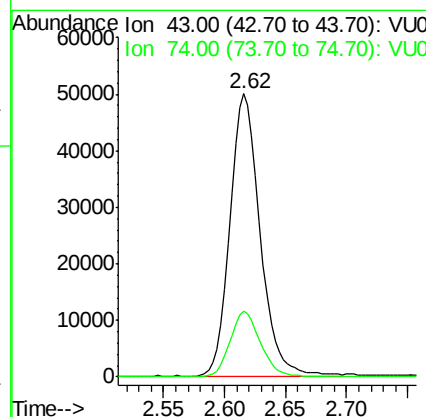
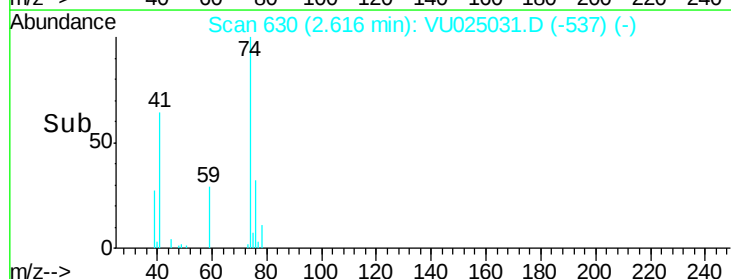
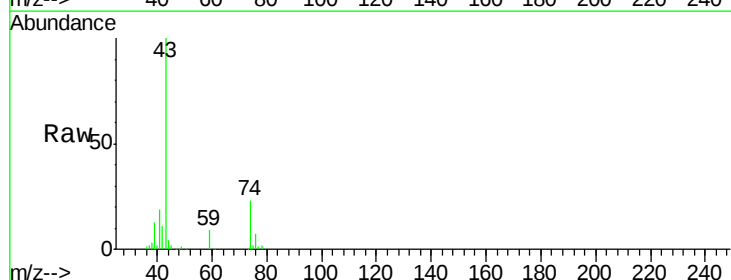
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#18
Methyl Acetate
Concen: 24.87 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.0	27.0





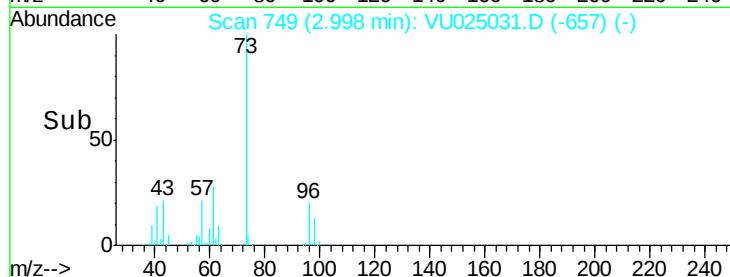
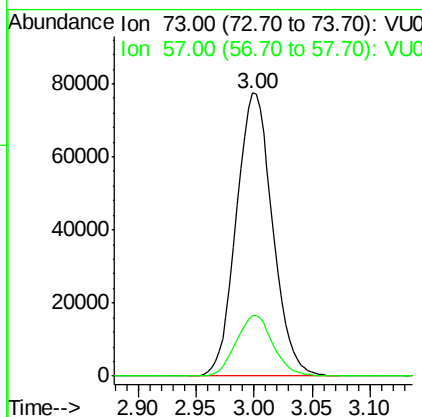
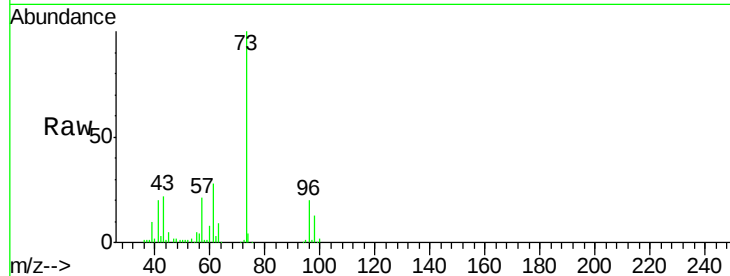
#19
Methvl tert-butvl Ether
Concen: 21.35 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.8	28.2

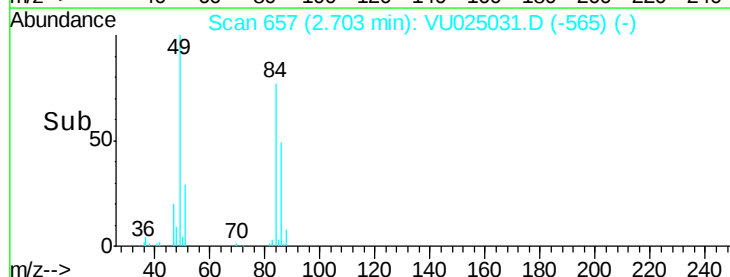
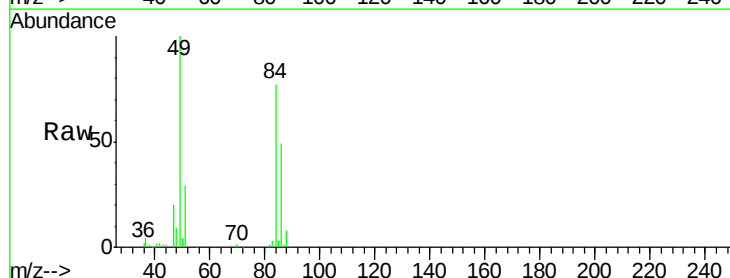
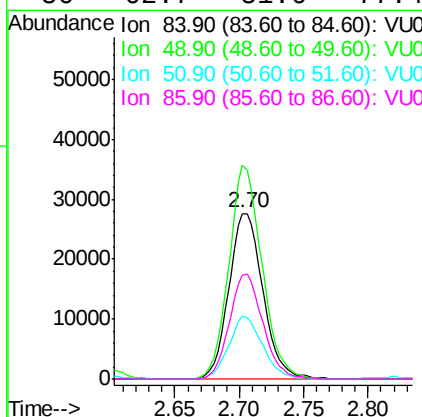
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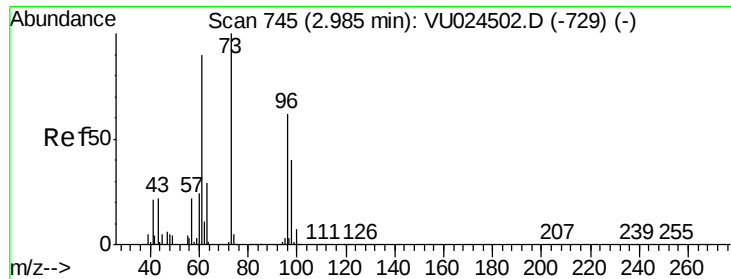
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#20
Methylene Chloride
Concen: 19.94 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.2	103.8	155.8
51	37.9	32.0	48.0
86	62.7	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 20.22 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

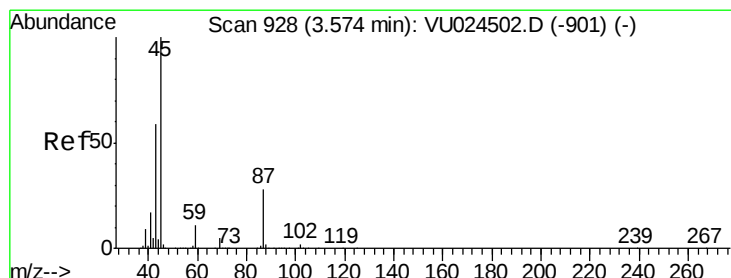
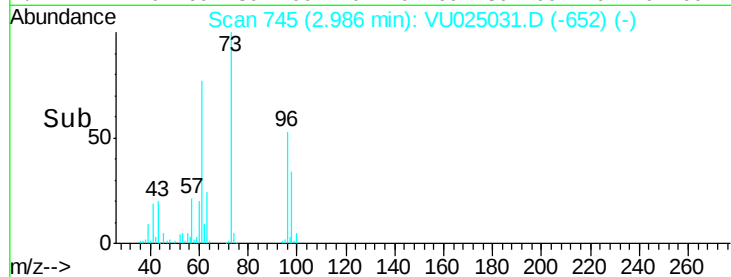
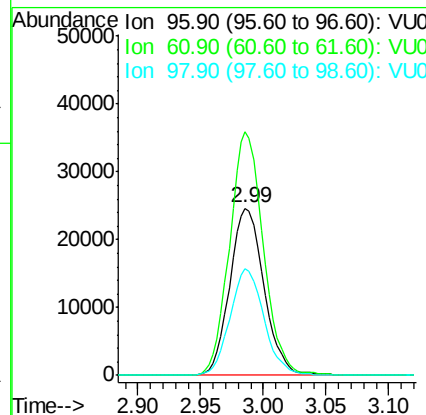
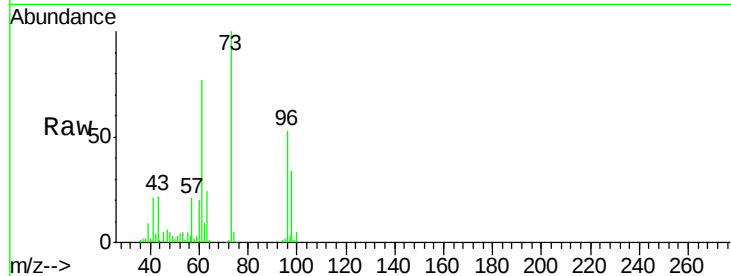
ClientSampleId :

VU0628WBSD01

Tot Ion:	96	Resp:	46816
Ion	Ratio	Lower	Upper
96	100		
61	145.8	119.4	179.0
98	64.1	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.52 ug/l

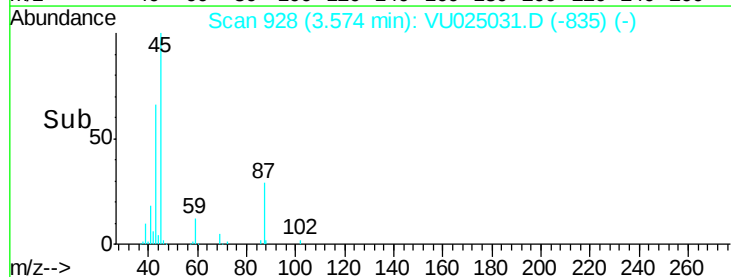
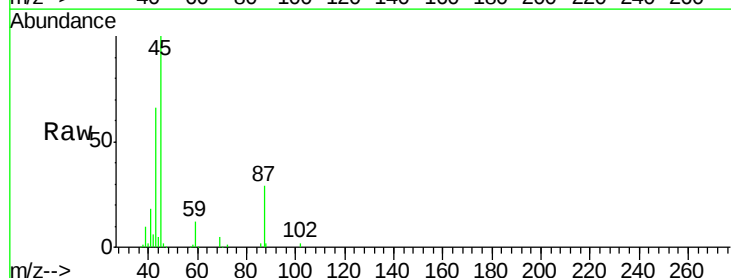
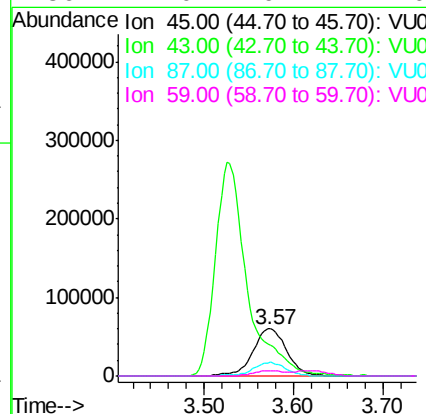
RT: 3.57 min Scan# 928

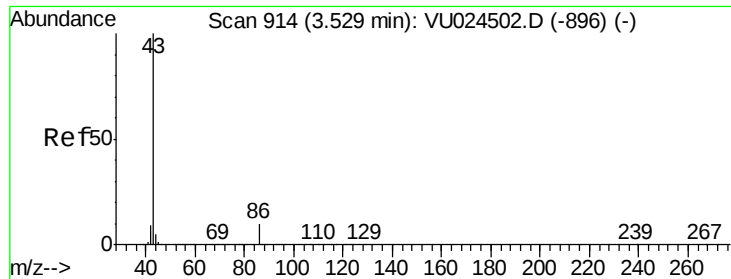
Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	45	Resp:	158761
Ion	Ratio	Lower	Upper
45	100		
43	63.6	45.8	68.6
87	29.2	20.6	31.0
59	12.0	9.4	14.0





#23

Vinyl Acetate

Concen: 97.55 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tot Ion: 43 Resp: 676035

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

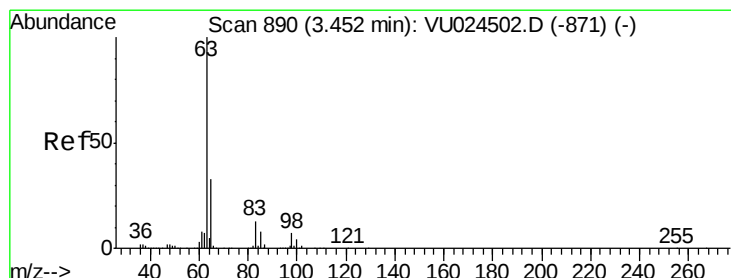
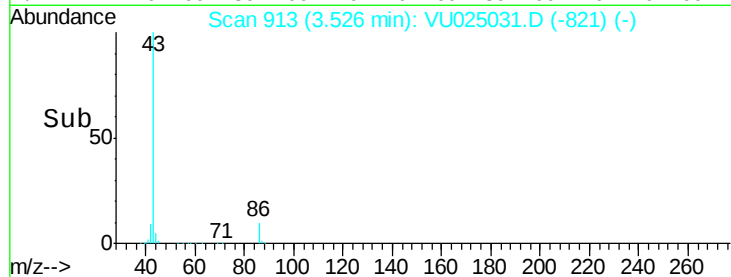
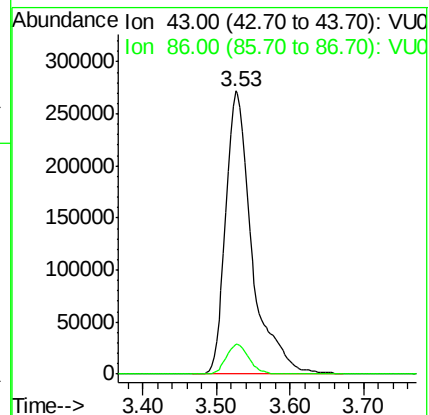
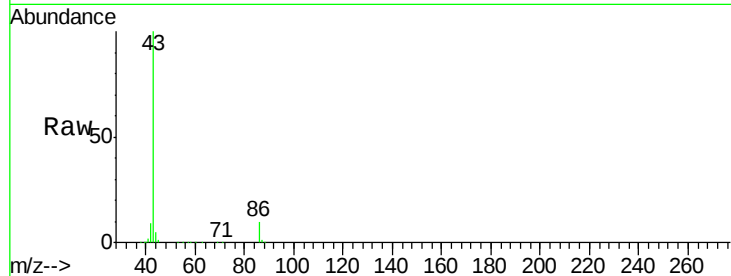
VU0628WBSD01

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#24

1,1-Dichloroethane

Concen: 20.79 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

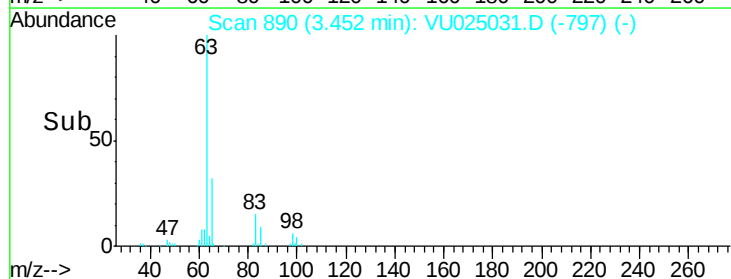
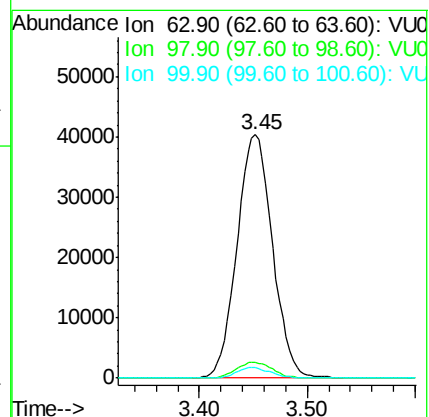
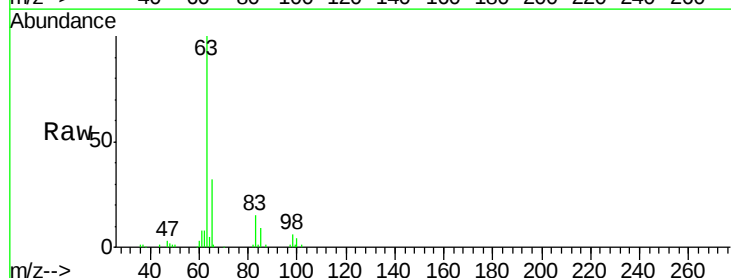
Tgt Ion: 63 Resp: 92510

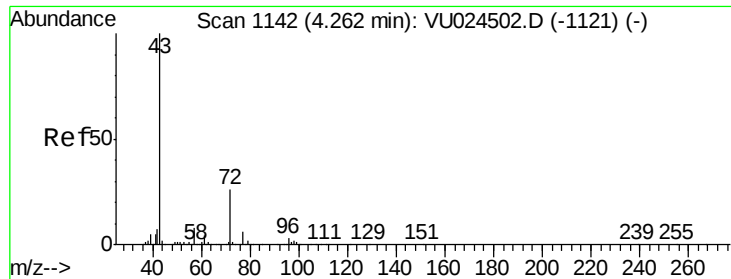
Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 101.47 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 43 Resp: 220687

Ion Ratio Lower Upper

43 100

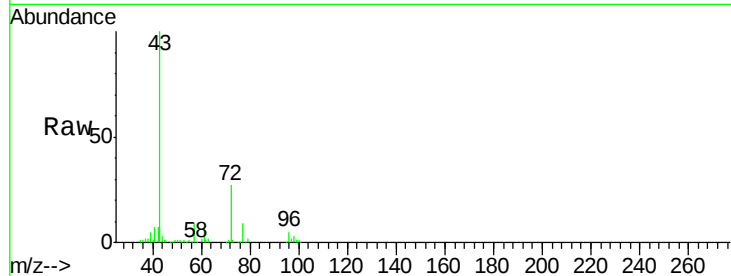
72 26.6 19.6 29.4

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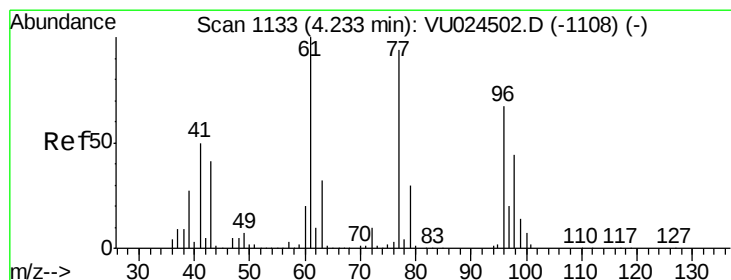
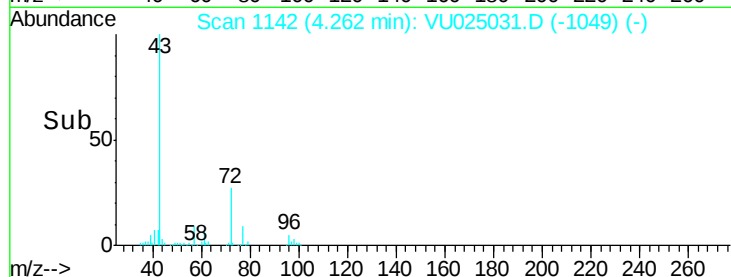
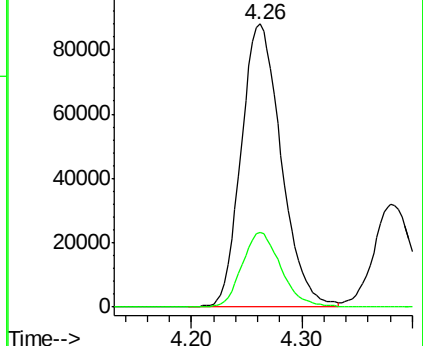
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 17.36 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025031.D

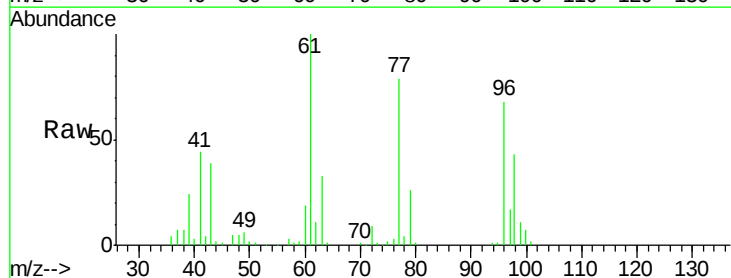
Acq: 28 Jun 2018 19:31

Tgt Ion: 77 Resp: 73349

Ion Ratio Lower Upper

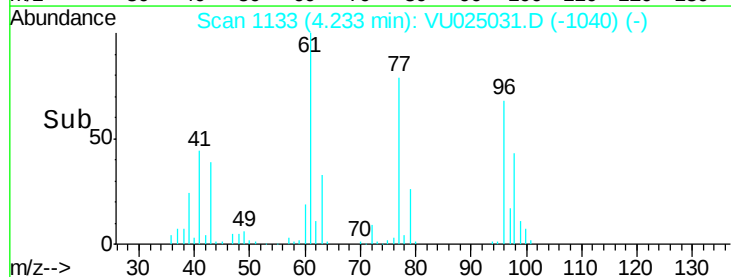
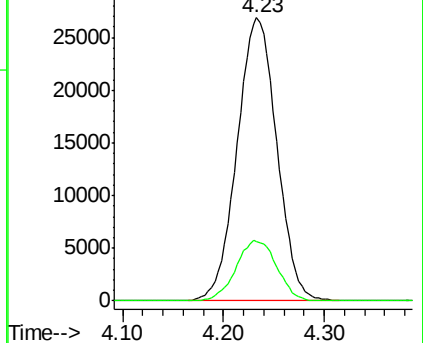
77 100

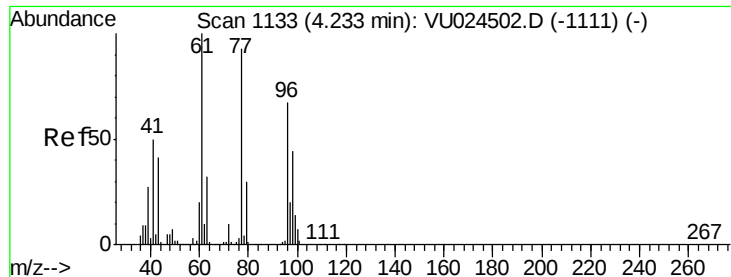
97 21.9 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 20.67 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

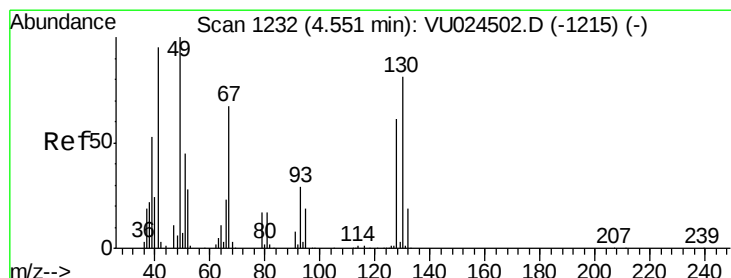
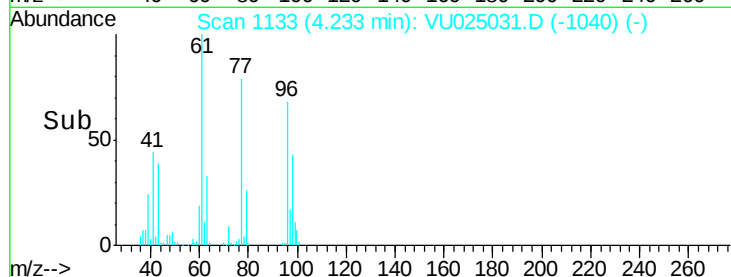
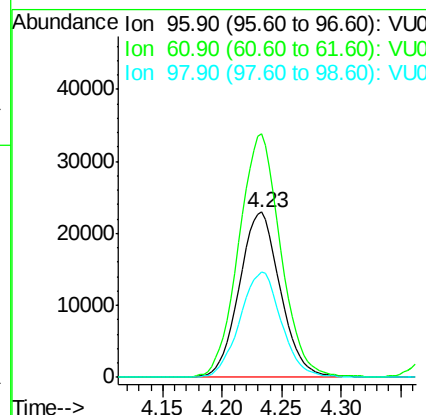
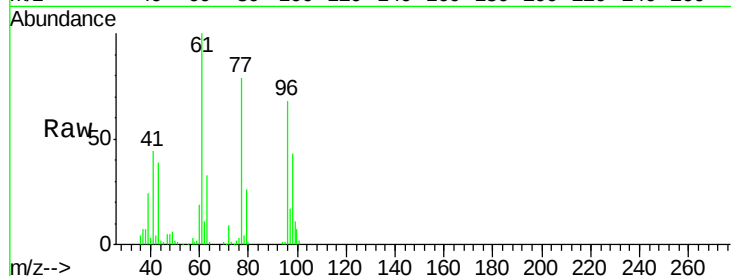
ClientSampleId :

VU0628WBSD01

Tot Ion:	96	Resp:	55007
Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	306.6
98	64.2	0.0	128.8

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#28

Bromochloromethane

Concen: 20.27 ug/l

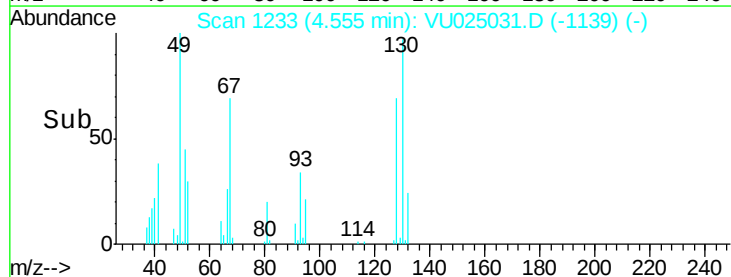
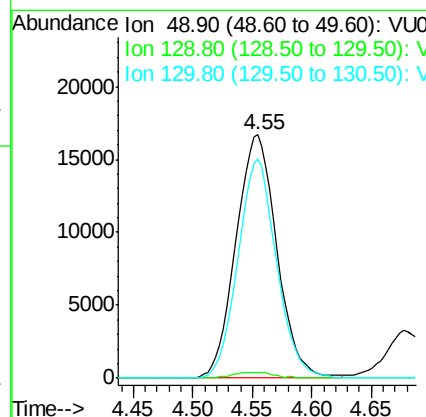
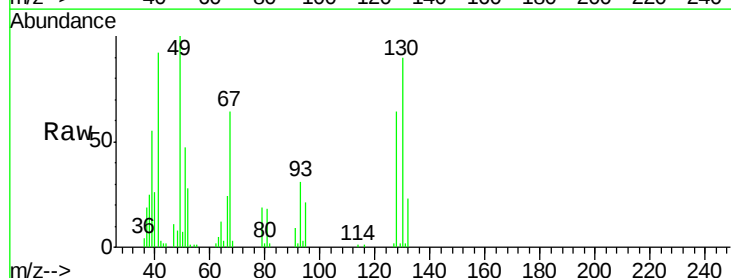
RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	49	Resp:	39728
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	84.9	57.8	86.6





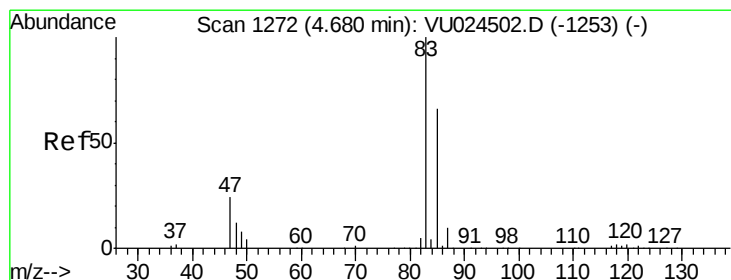
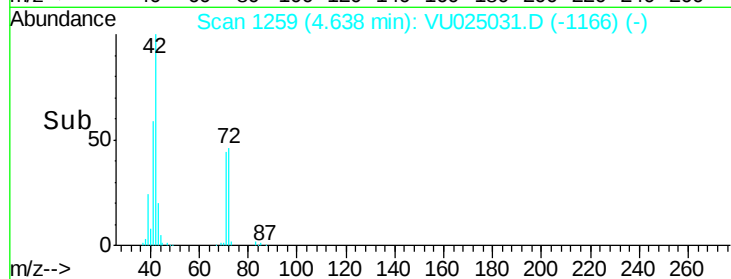
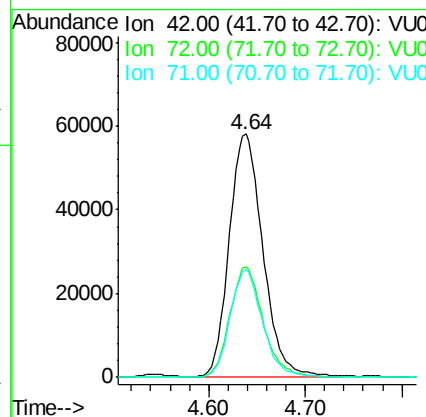
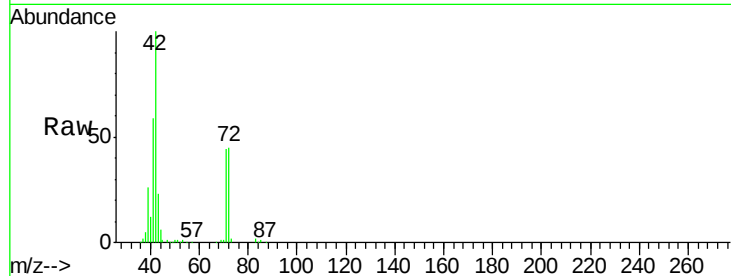
#29
Tetrahydrofuran
Concen: 103.37 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	43.2	32.2	48.4

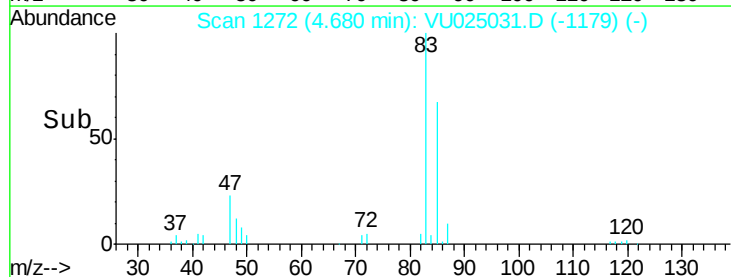
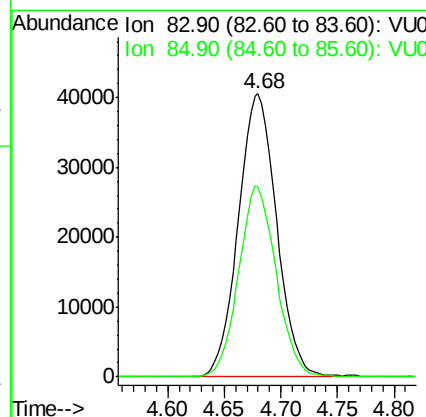
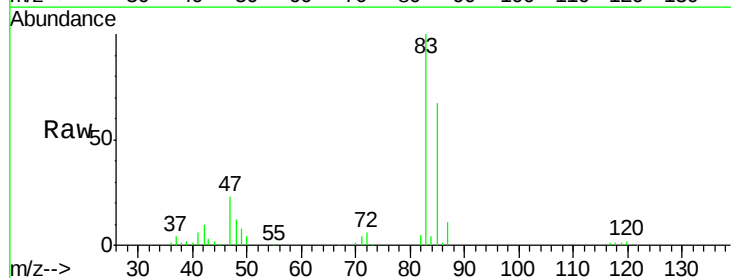
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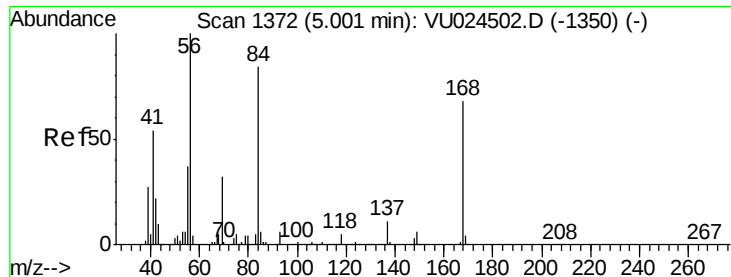
MMDadoda
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#30
Chloroform
Concen: 21.23 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.4	78.6





#31

Cyclohexane

Concen: 19.66 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

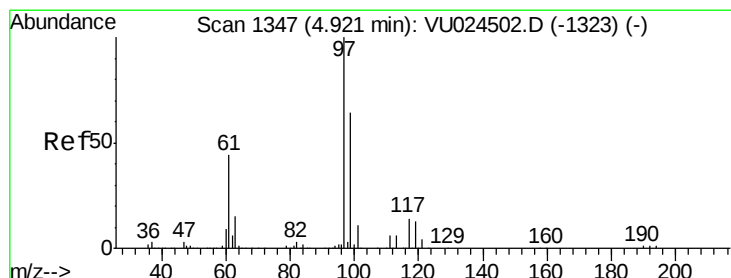
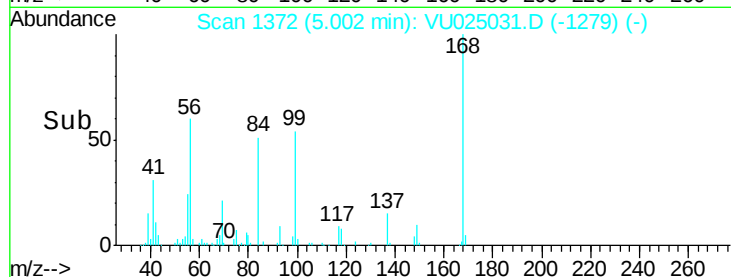
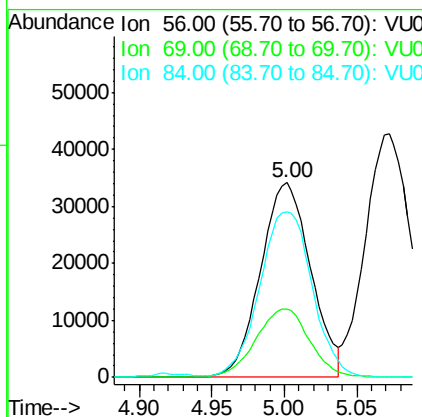
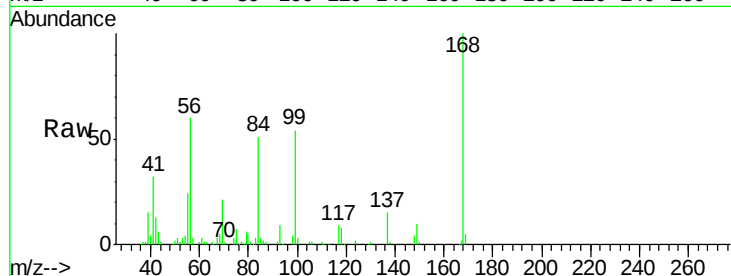
ClientSampleId :

VU0628WBSD01

Tot Ion:	56	Resp:	82436
Ion	Ratio	Lower	Upper
56	100		
69	35.4	24.8	37.2
84	84.2	65.2	97.8

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#32

1,1,1-Trichloroethane

Concen: 20.86 ug/l

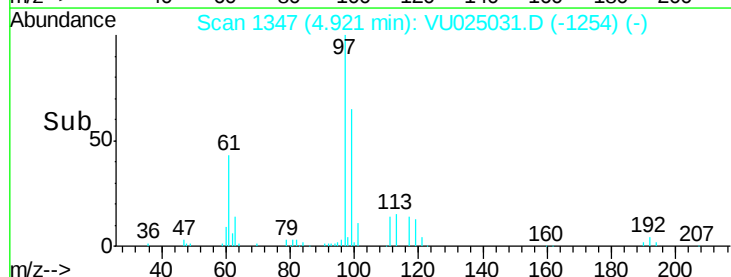
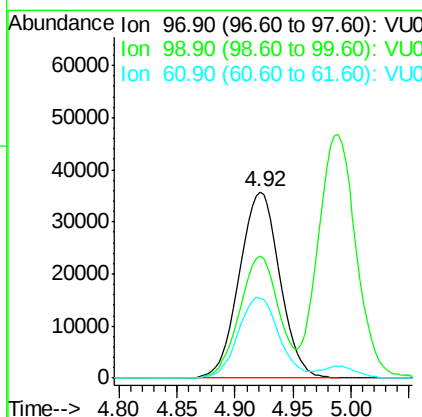
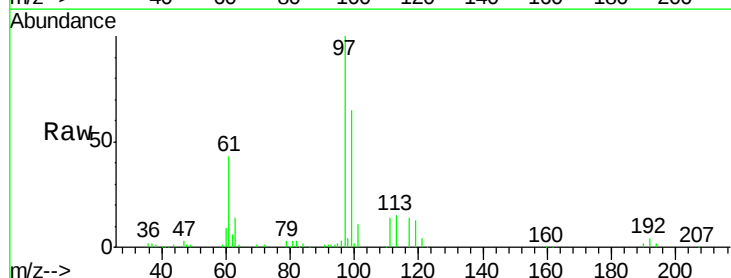
RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	97	Resp:	86881
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	43.9	39.4	59.0





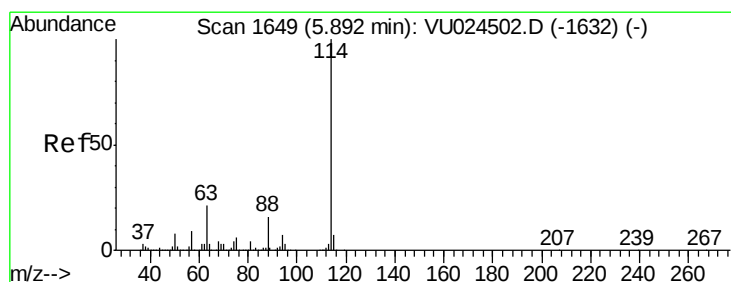
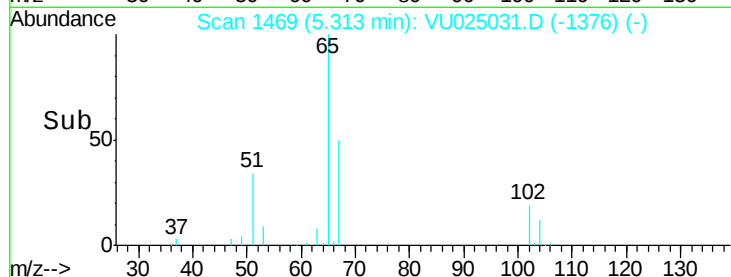
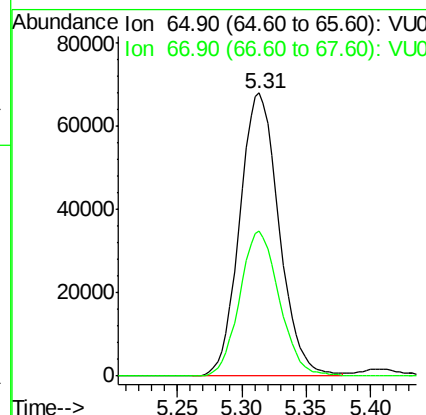
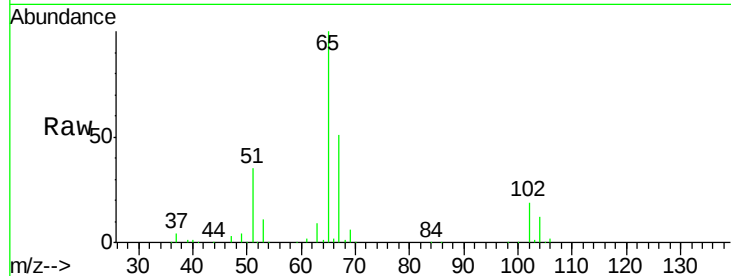
#33
 1,2-Dichloroethane-d4
 Concen: 47.95 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144509		
67	51.5	0.0	107.0	

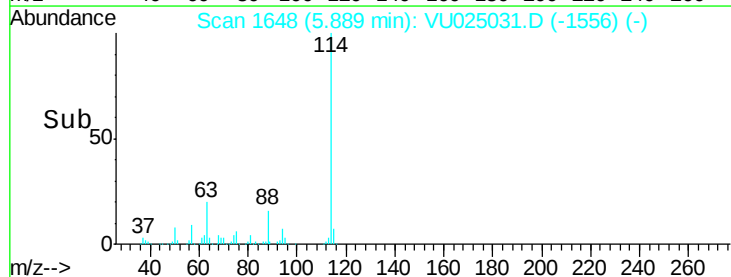
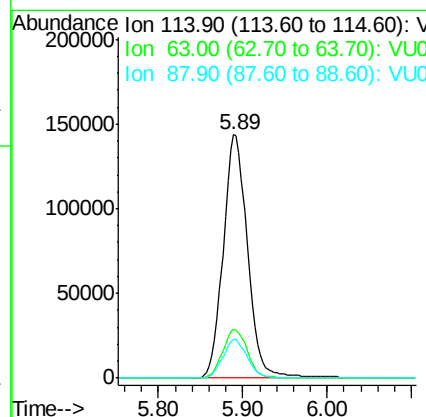
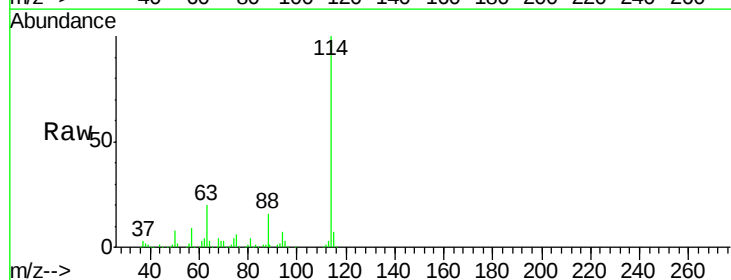
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	288706		
63	20.1	0.0	45.4	
88	15.9	0.0	31.0	





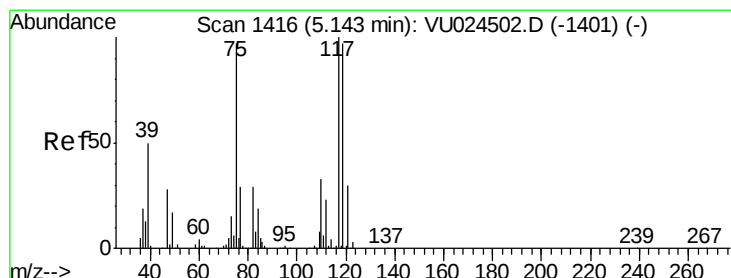
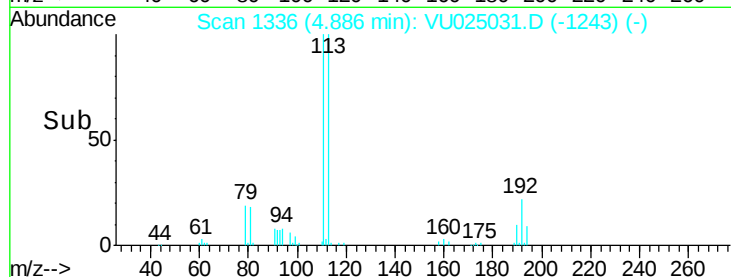
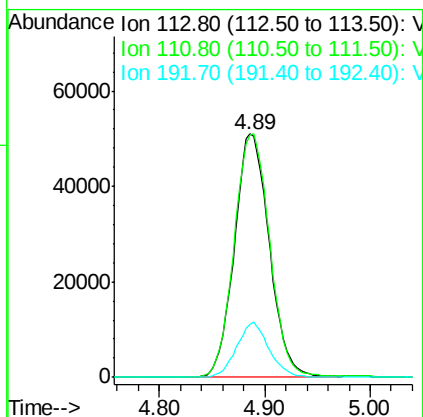
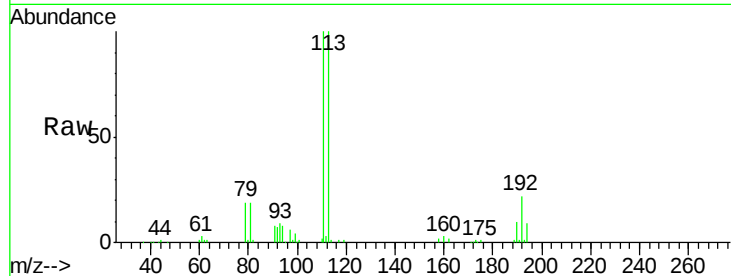
#35
 Dibromofluoromethane
 Concen: 48.96 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	117309		
111	101.7		82.2	123.4
192	21.0		16.2	24.4

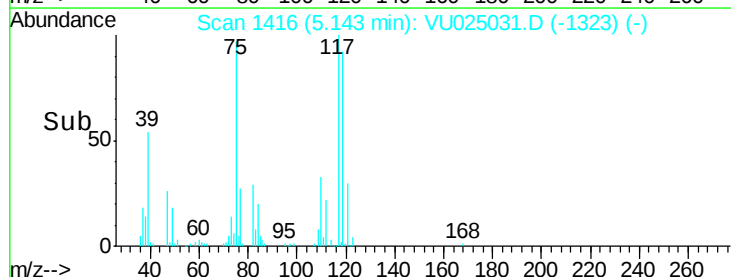
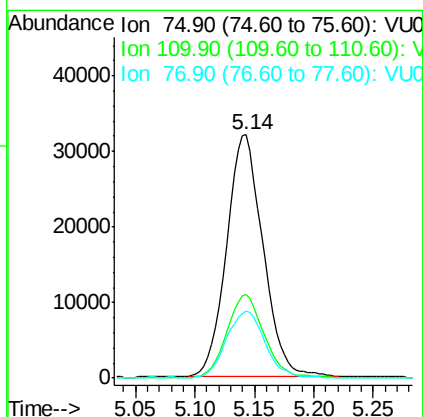
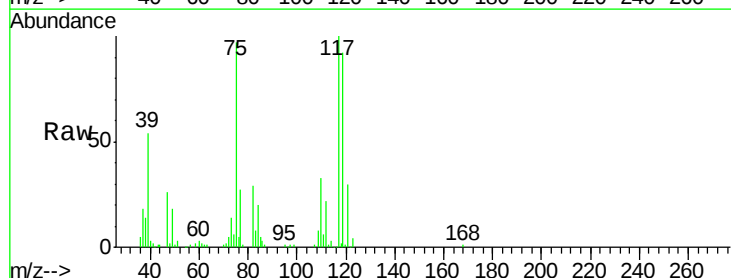
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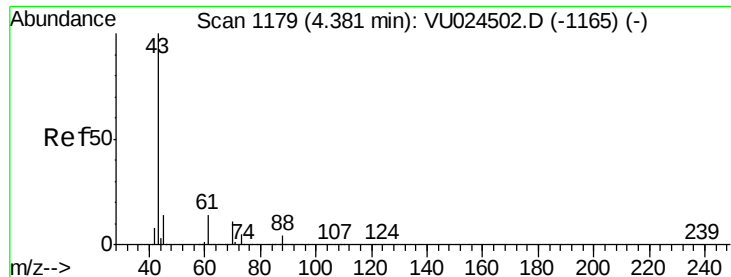
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#36
 1,1-Dichloropropene
 Concen: 19.98 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67771		
110	35.4		17.0	50.9
77	29.4		24.2	36.4





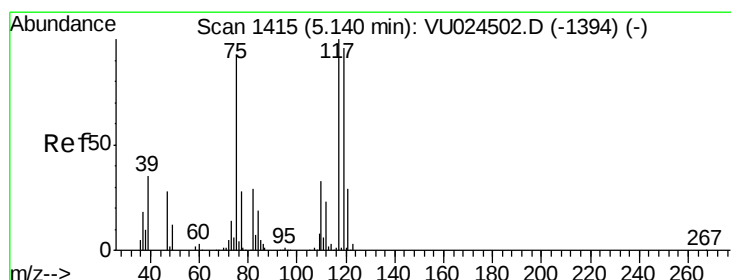
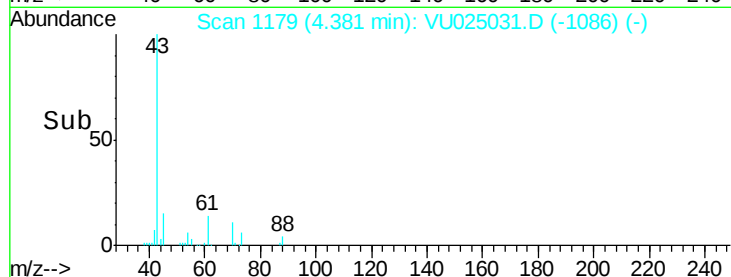
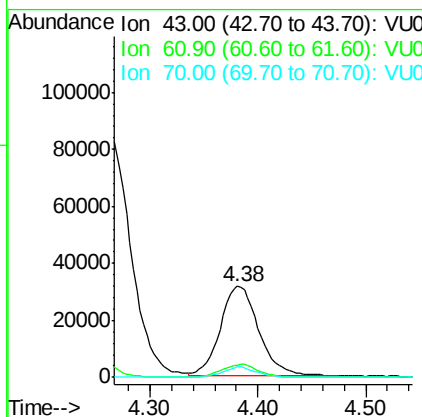
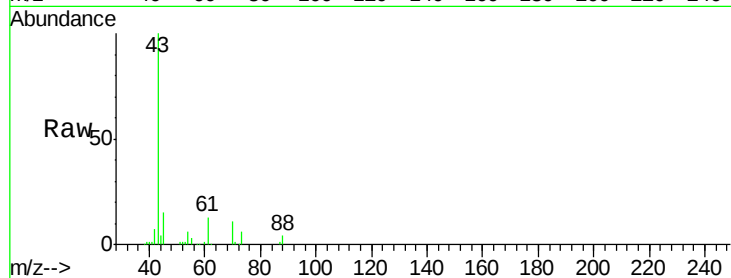
#37
Ethyl Acetate
Concen: 21.30 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	10.3	7.4	11.2

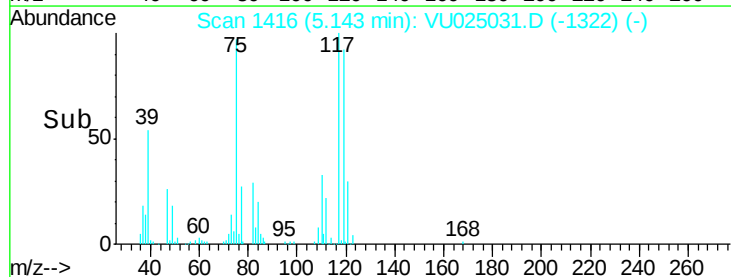
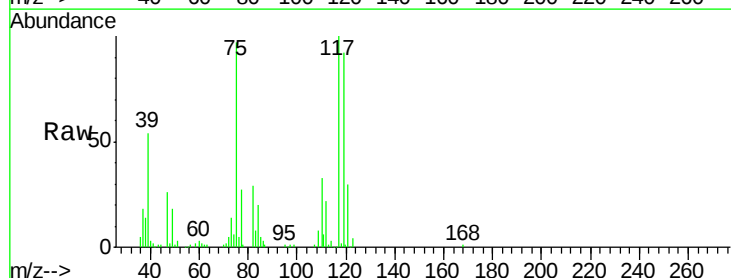
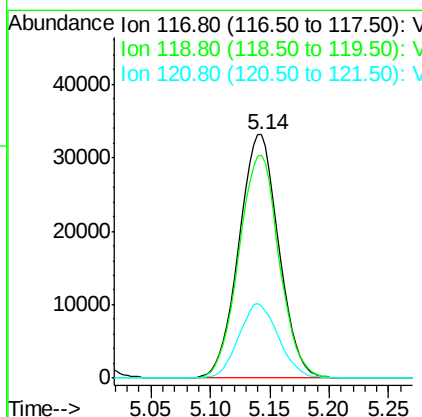
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#38
Carbon Tetrachloride
Concen: 20.61 ug/l
RT: 5.14 min Scan# 1416
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	76.1	114.1
121	29.6	23.7	35.5





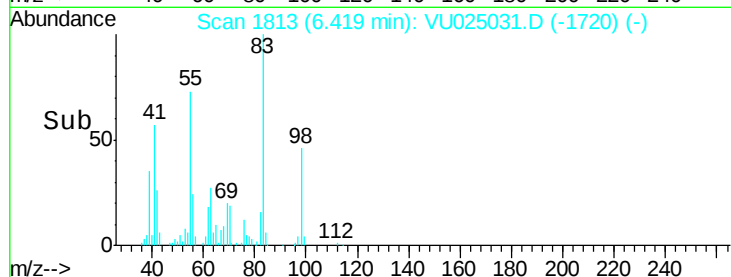
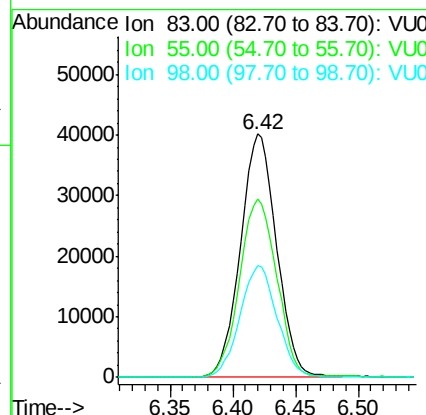
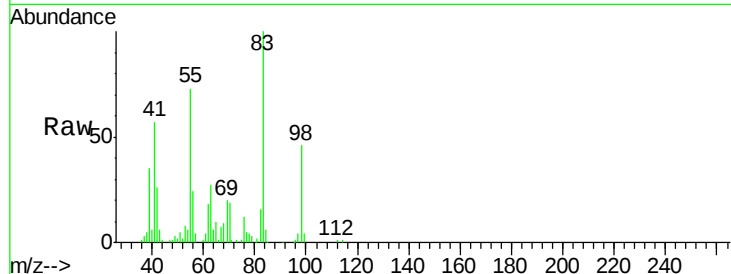
#39
Methvlcvclohexane
Concen: 19.02 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	65.8	98.6
98	45.7	36.7	55.1

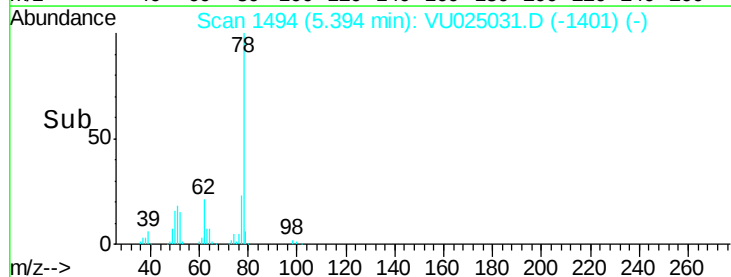
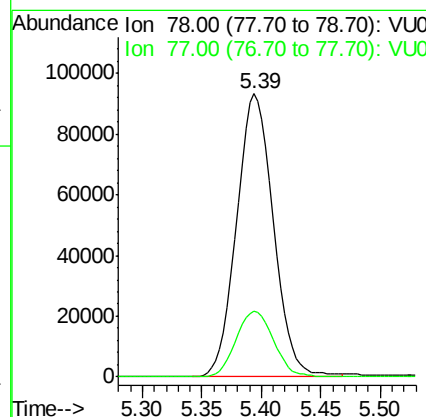
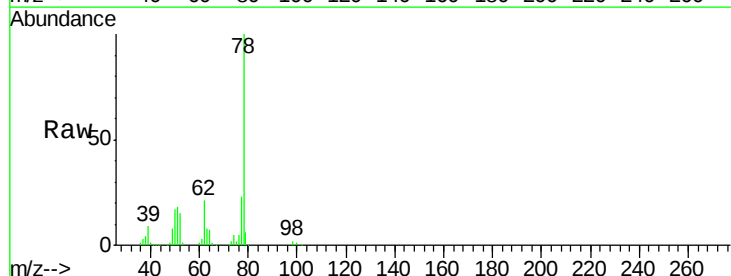
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#40
Benzene
Concen: 20.73 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.2	28.8





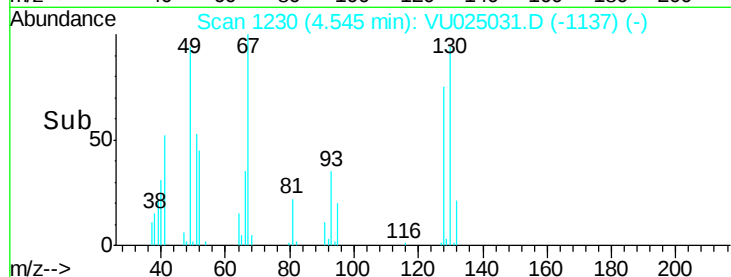
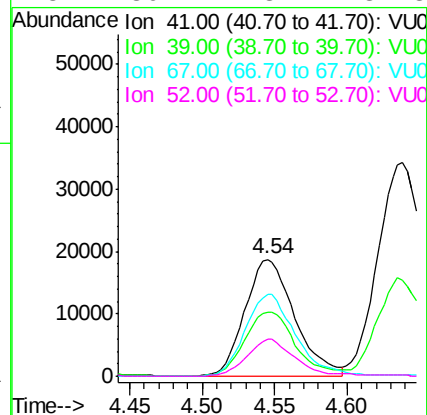
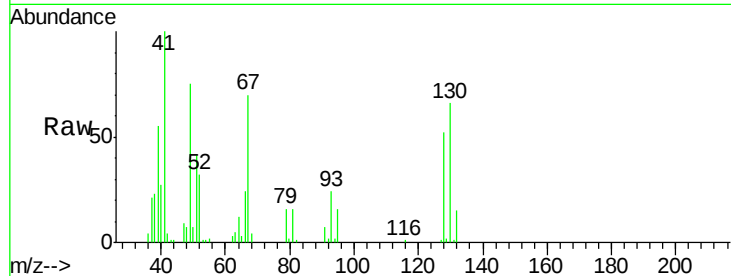
#41
Methacrylonitrile
Concen: 22.38 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampled :
VU0628WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		44616		
39	56.1	43.8	65.6		
67	71.5	56.3	84.5		
52	30.7	23.2	34.8		

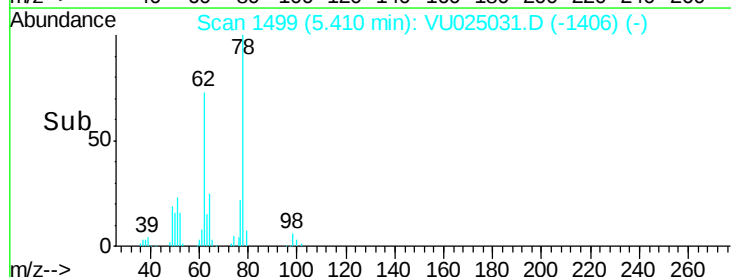
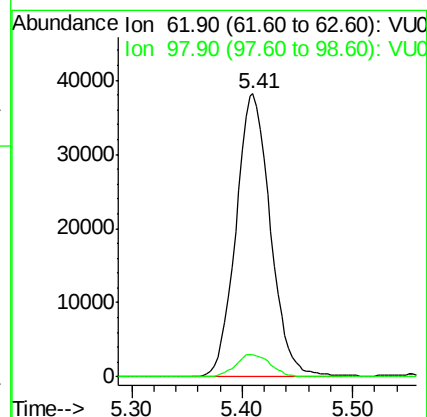
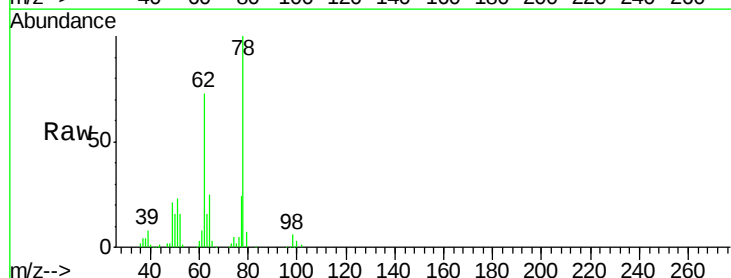
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#42
1,2-Dichloroethane
Concen: 22.43 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		82567		
98	8.0	0.0	16.6		





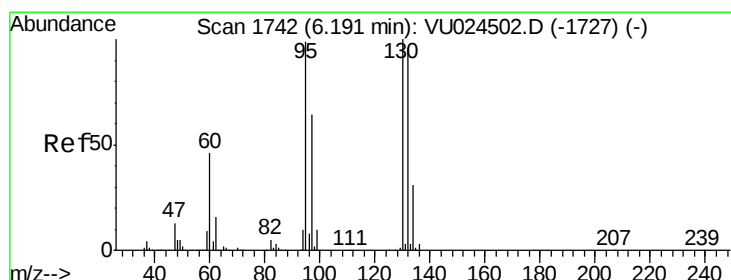
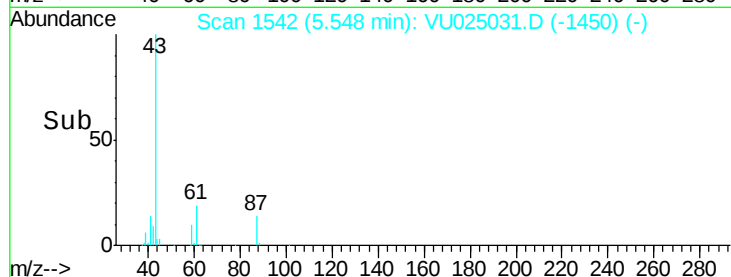
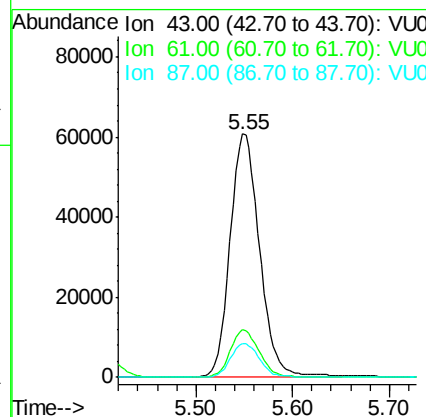
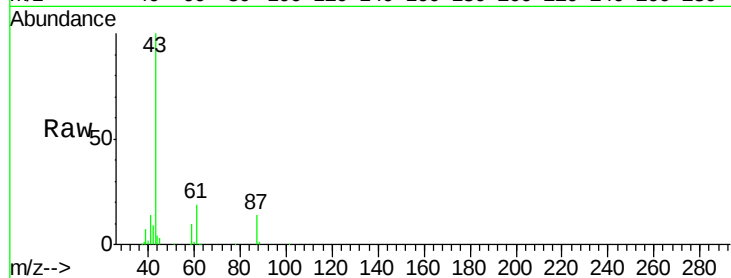
#43
Isopropyl Acetate
Concen: 20.02 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.4	23.0
87	13.8	10.0	15.0

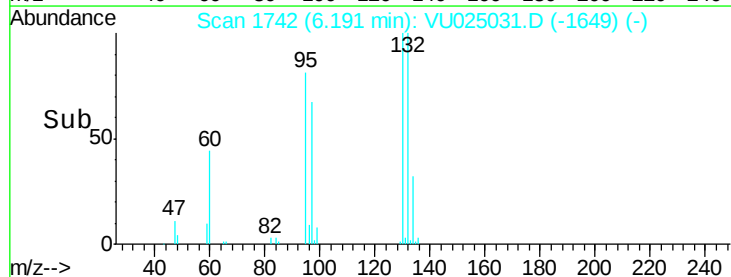
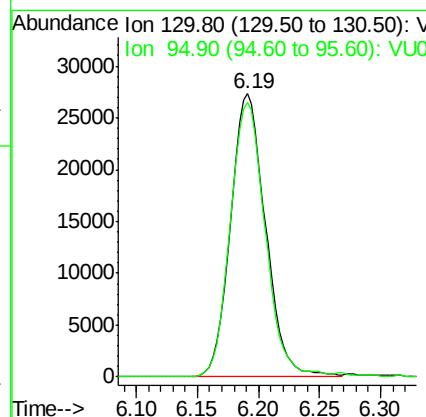
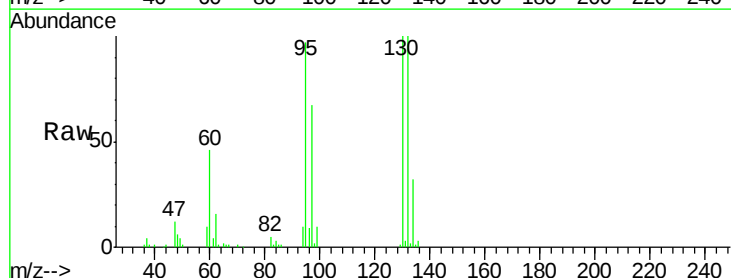
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#44
Trichloroethene
Concen: 19.79 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	202.4





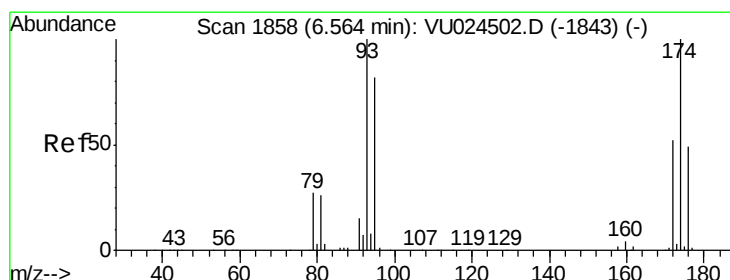
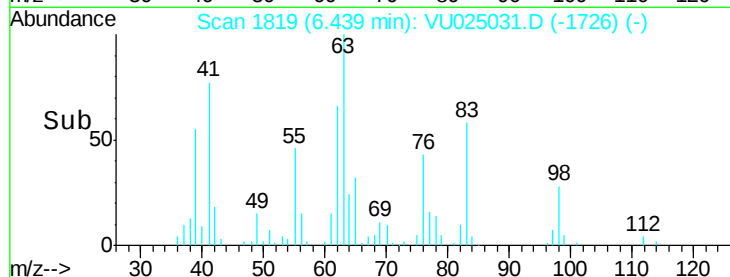
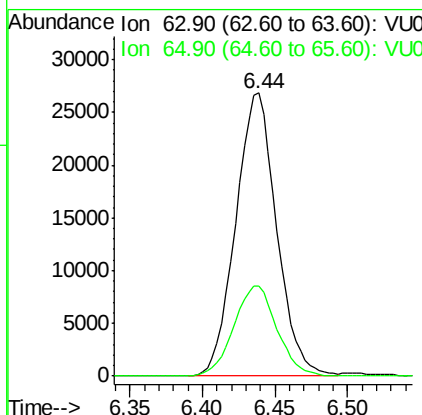
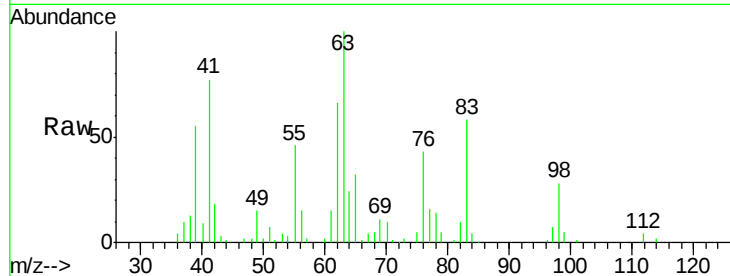
#45
 1,2-Dichloropropane
 Concen: 20.41 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion: 63 Resp: 52635
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.8 37.2

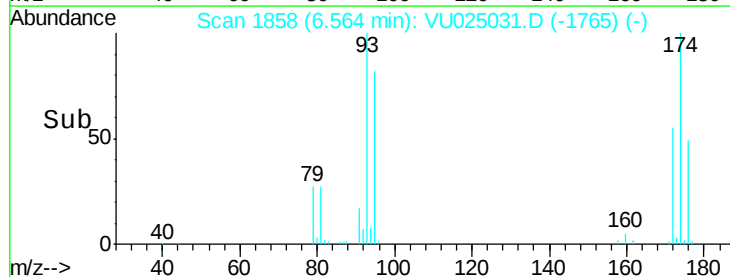
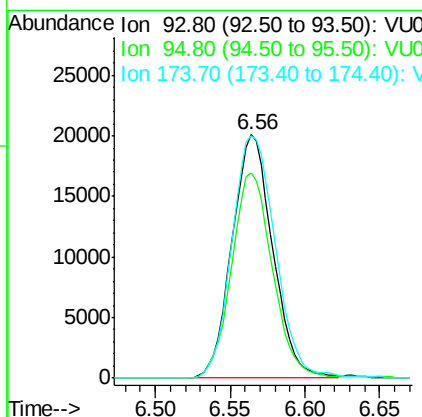
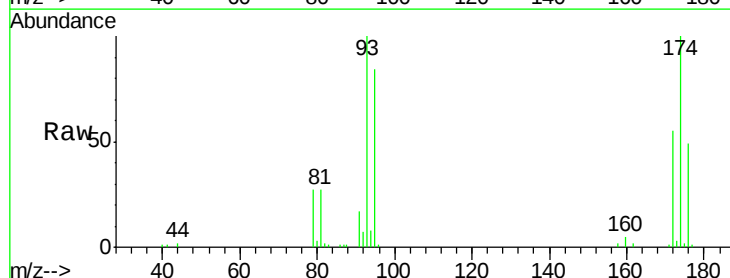
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#46
 Dibromomethane
 Concen: 20.98 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion: 93 Resp: 38015
 Ion Ratio Lower Upper
 93 100
 95 84.7 65.5 98.3
 174 106.1 78.7 118.1





#47

Bromodichloromethane

Concen: 19.99 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

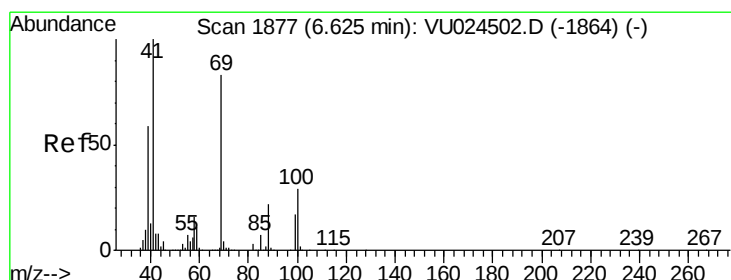
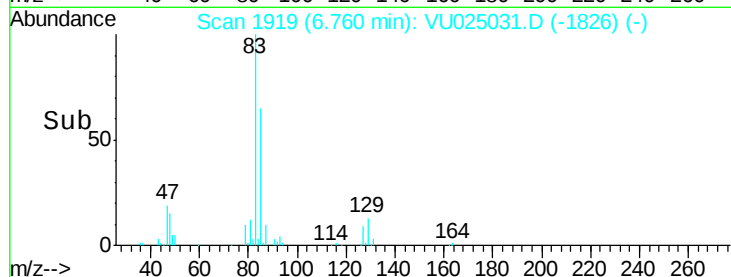
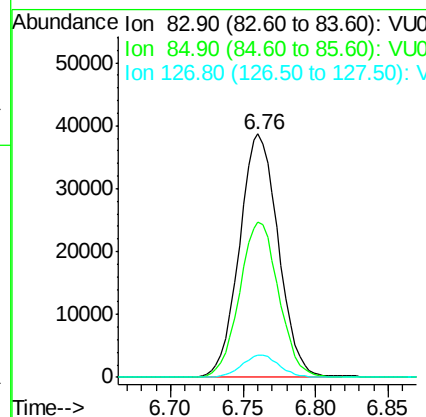
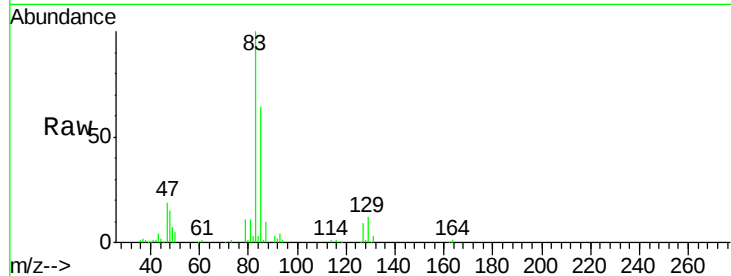
ClientSampleId :

VU0628WBSD01

Tot Ion:	83	Resp:	72135
Ion Ratio	Lower	Upper	
83	100		
85	63.7	51.9	77.9
127	9.0	6.6	9.8

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#48

Methyl methacrylate

Concen: 21.21 ug/l

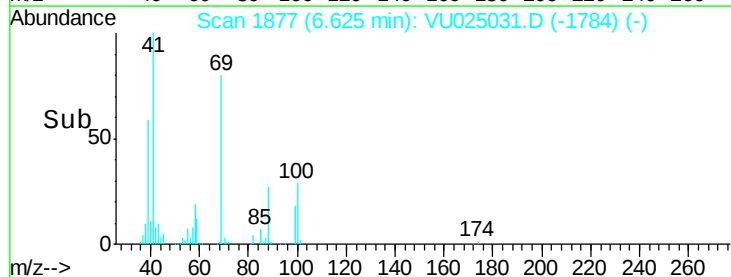
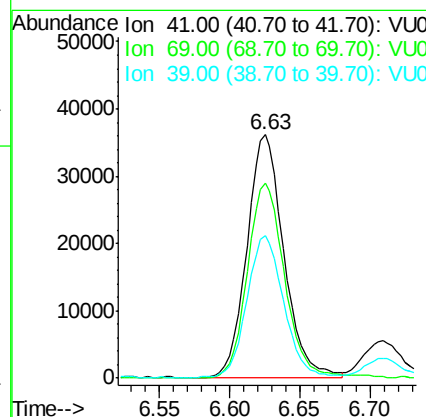
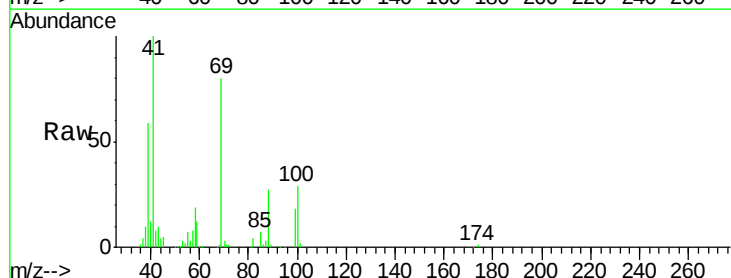
RT: 6.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	41	Resp:	65996
Ion Ratio	Lower	Upper	
41	100		
69	81.2	67.3	100.9
39	58.9	46.5	69.7





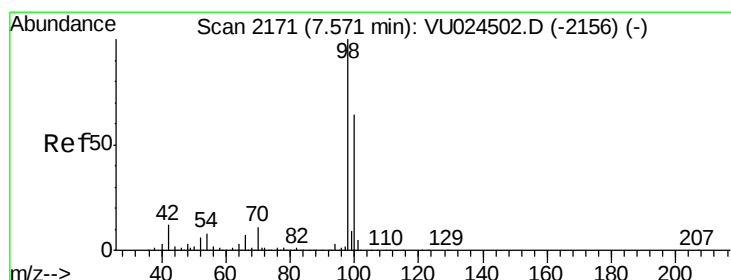
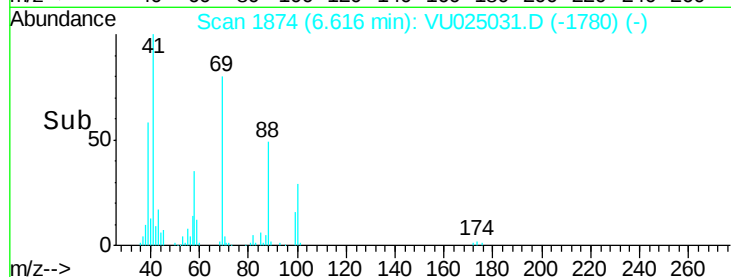
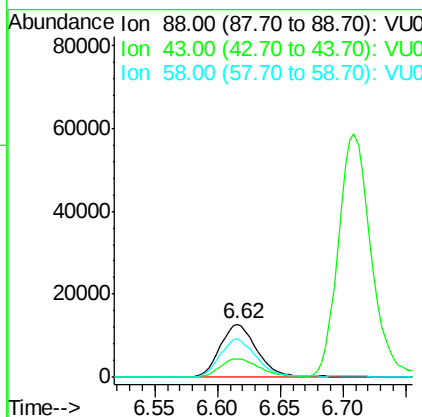
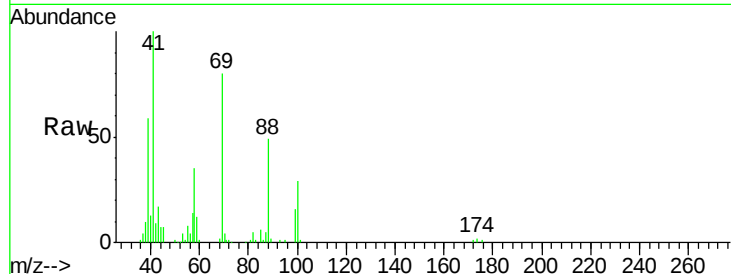
#49
1,4-Dioxane
Concen: 436.28 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.3	28.6	42.8
58	71.0	58.2	87.4

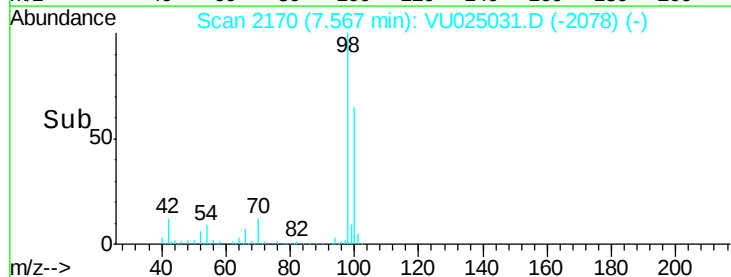
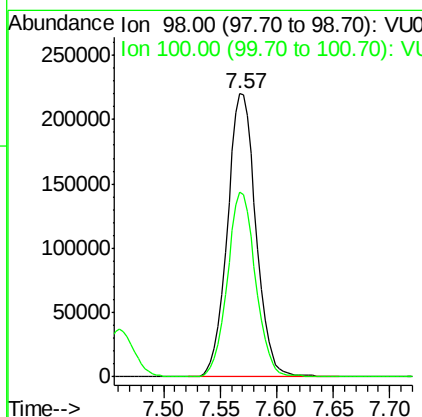
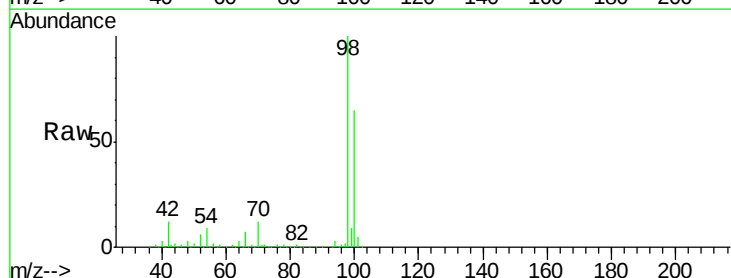
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#50
Toluene-d8
Concen: 44.21 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 104.43 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 43 Resp: 419346

Ion Ratio Lower Upper

43 100

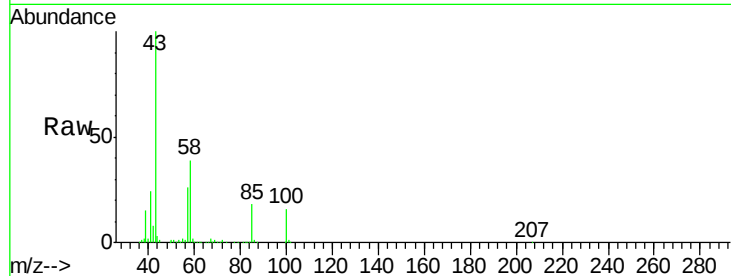
58 38.5 30.0 45.0

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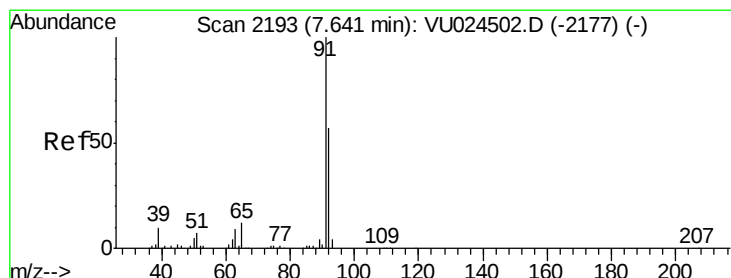
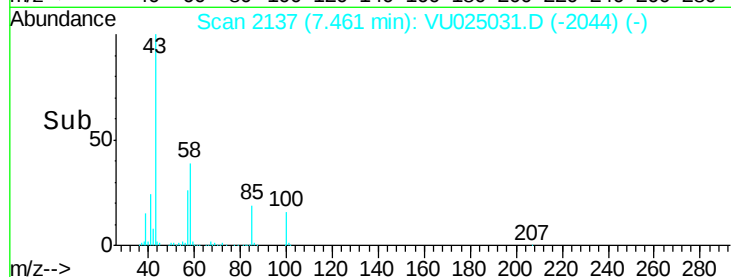
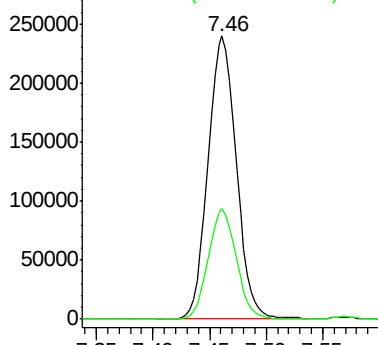
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 20.51 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025031.D

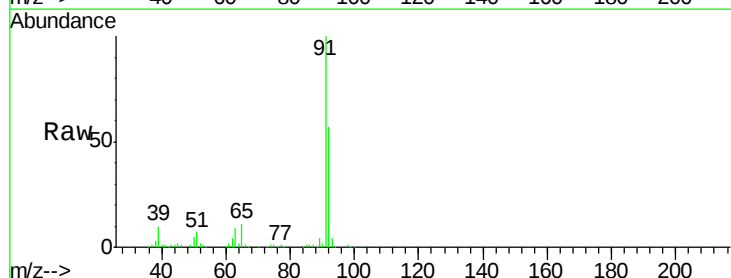
Acq: 28 Jun 2018 19:31

Tgt Ion: 92 Resp: 127529

Ion Ratio Lower Upper

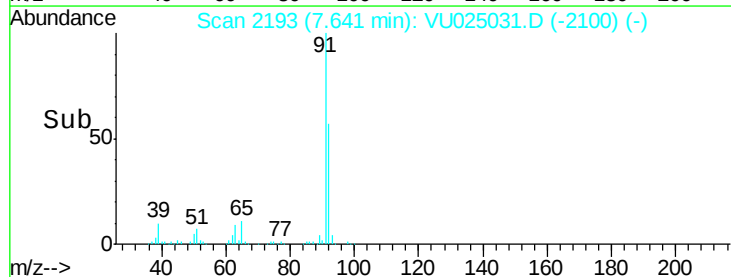
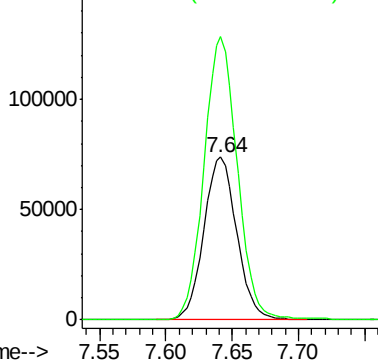
92 100

91 175.1 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 18.47 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 75 Resp: 74830

Ion Ratio Lower Upper

75 100

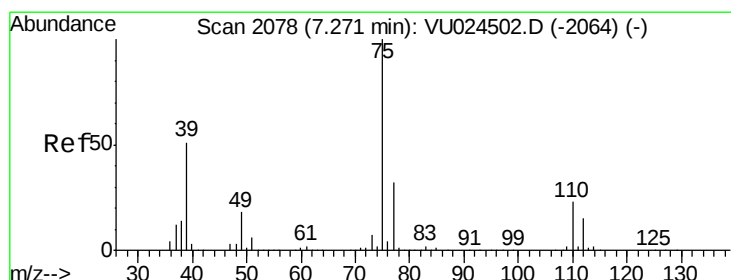
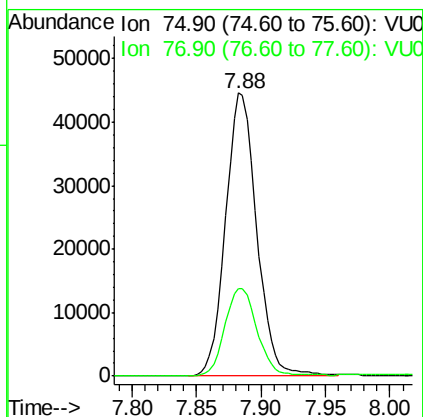
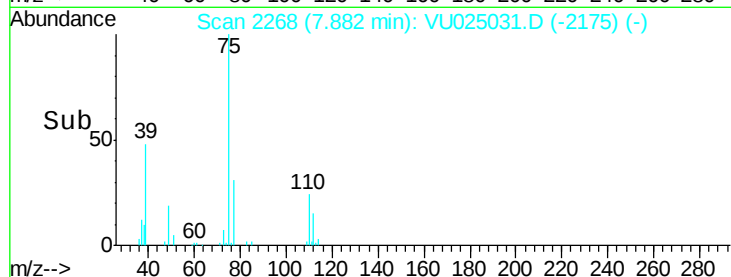
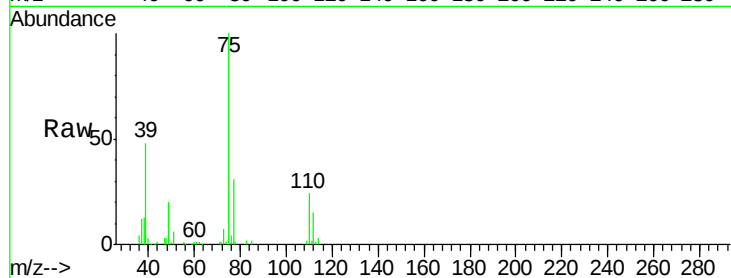
77 30.9 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 18.43 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

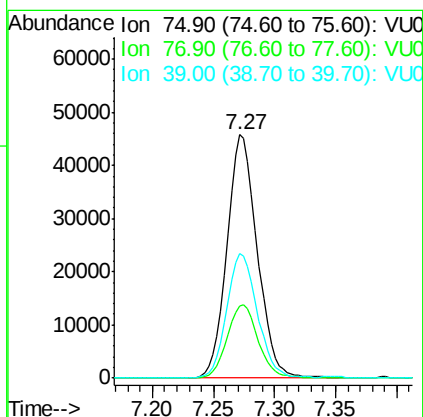
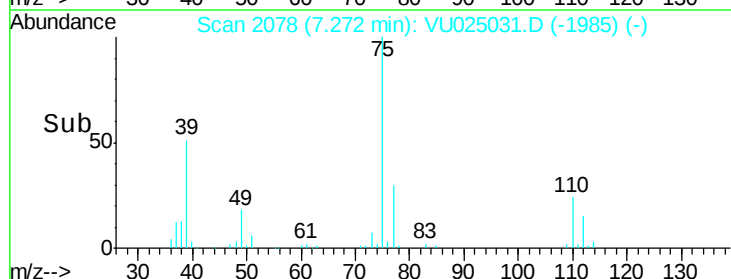
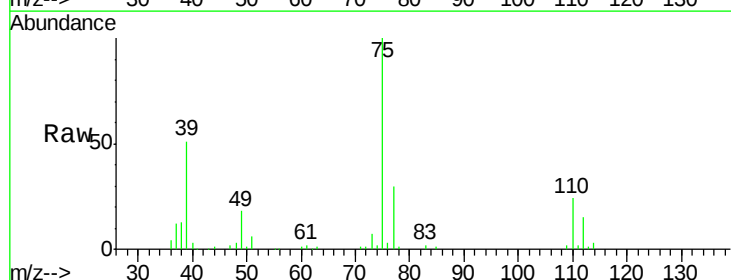
Tgt Ion: 75 Resp: 79562

Ion Ratio Lower Upper

75 100

77 29.6 24.6 36.8

39 51.0 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 21.06 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

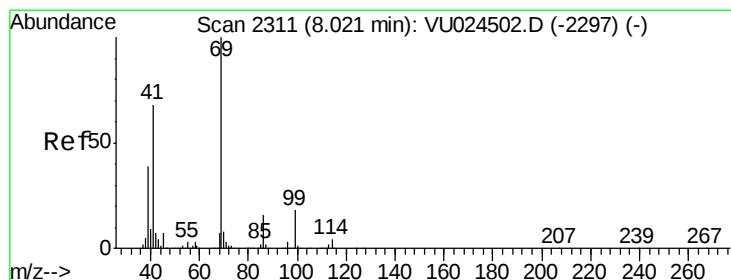
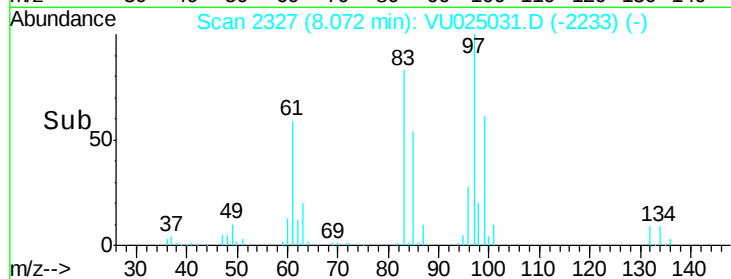
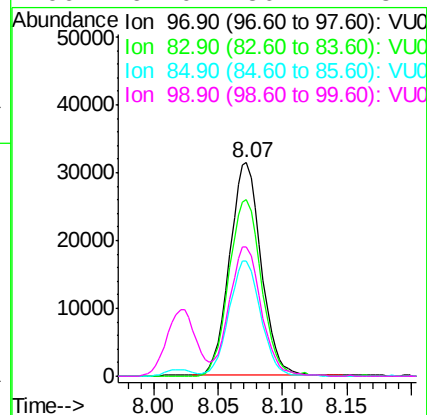
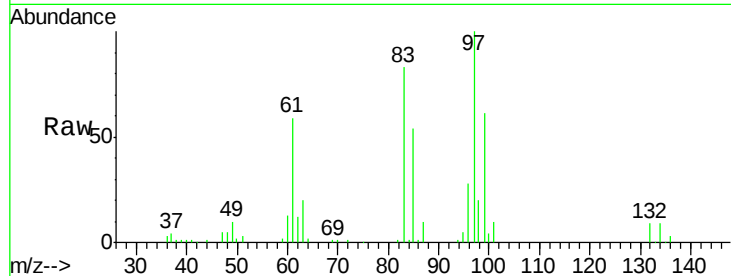
ClientSampleId :

VU0628WBSD01

Tot Ion:	97	Resp:	53247
Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.5	105.7
85	54.1	46.4	69.6
99	61.0	50.2	75.2

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#56

Ethyl methacrylate

Concen: 19.49 ug/l

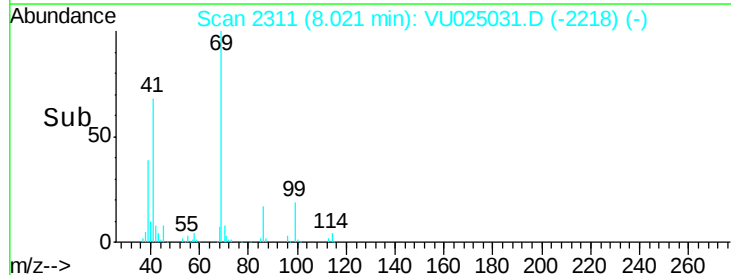
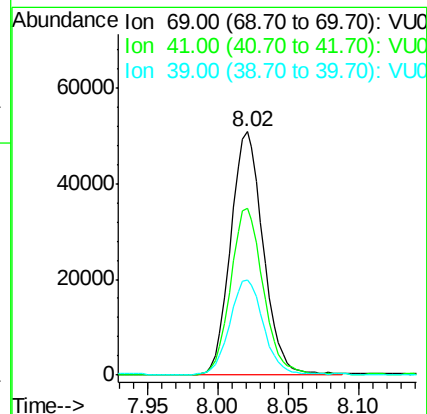
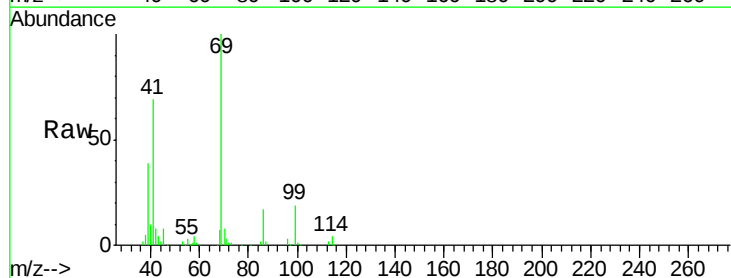
RT: 8.02 min Scan# 2311

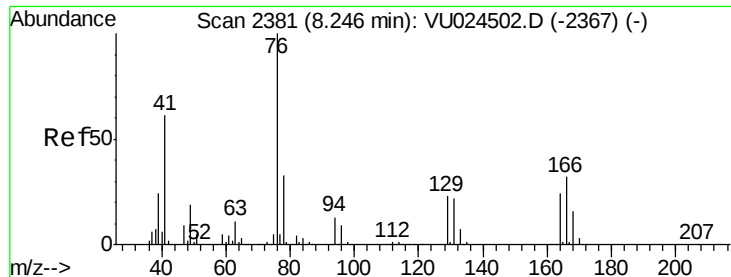
Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	69	Resp:	82452
Ion	Ratio	Lower	Upper
69	100		
41	69.0	54.1	81.1
39	39.3	30.3	45.5





#57

1,3-Dichloropropane

Concen: 20.85 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 76 Resp: 88939

Ion Ratio Lower Upper

76 100

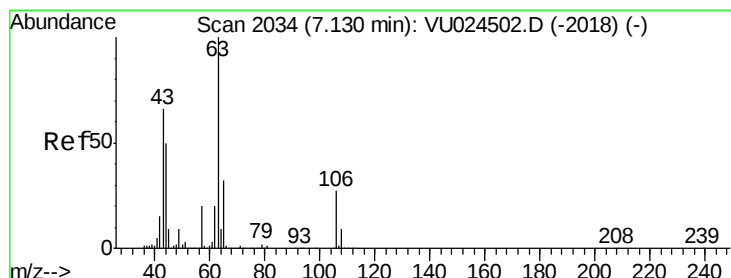
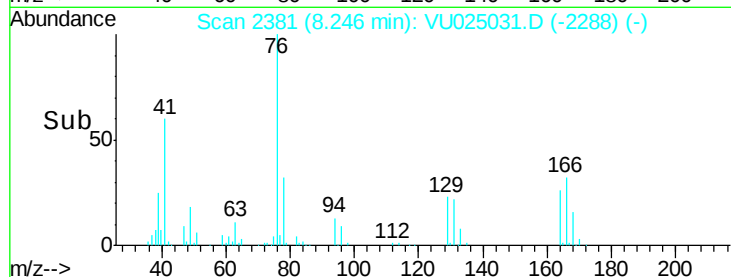
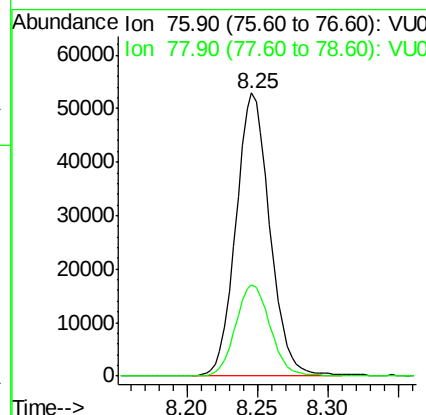
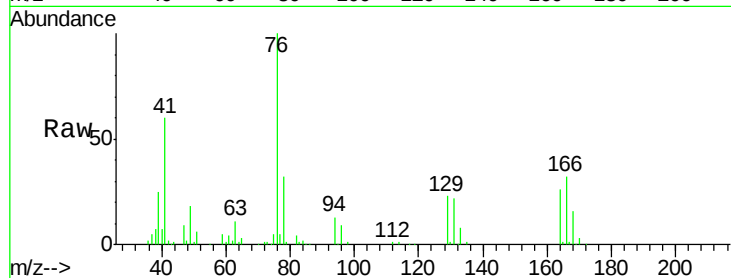
78 33.1 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 22.34 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU025031.D

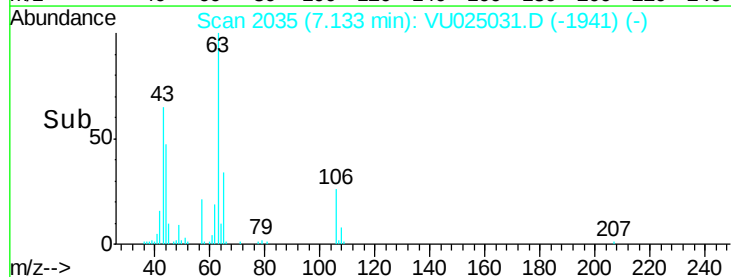
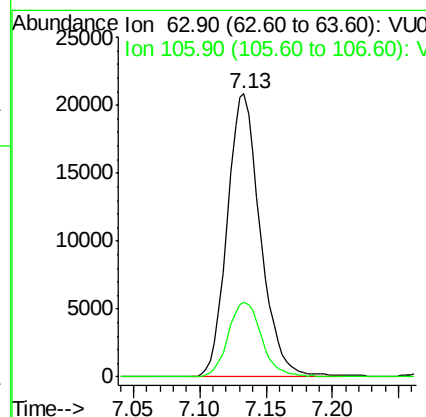
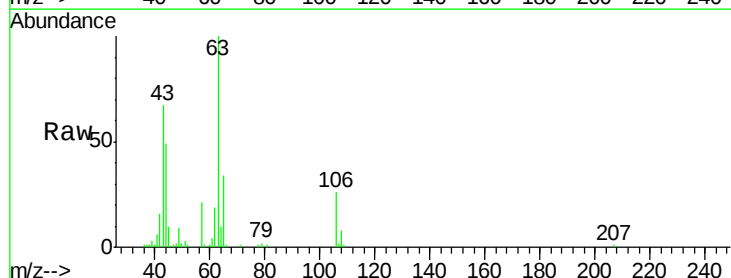
Acq: 28 Jun 2018 19:31

Tgt Ion: 63 Resp: 36217

Ion Ratio Lower Upper

63 100

106 26.6 20.2 30.2





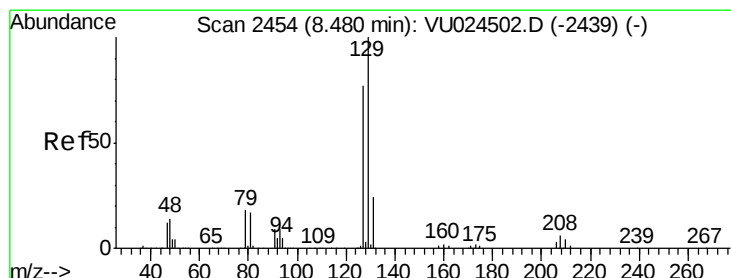
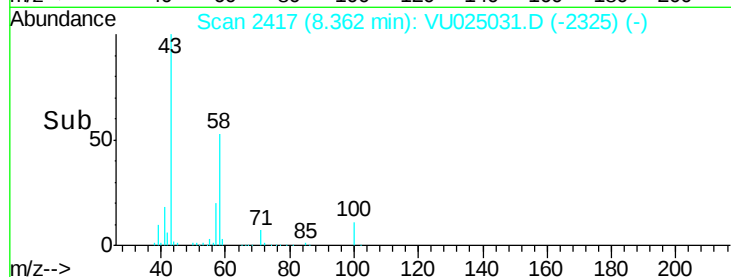
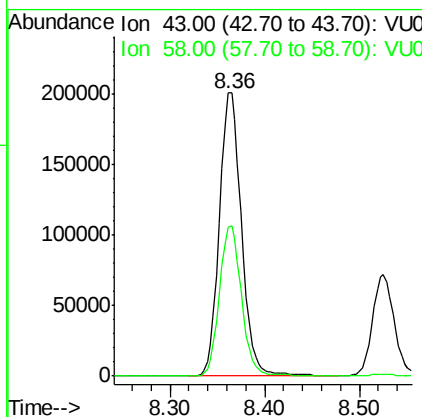
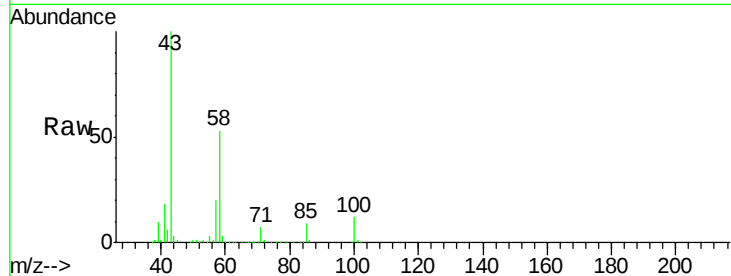
#59
2-Hexanone
Concen: 100.16 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion: 43 Resp: 328362
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

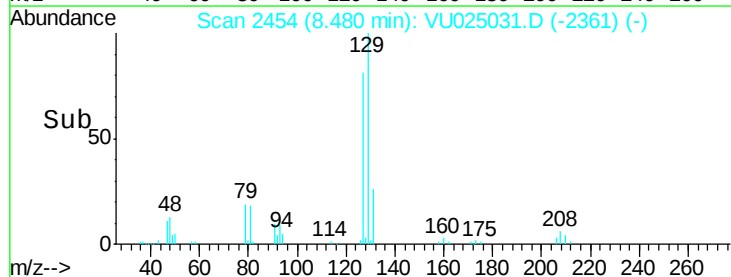
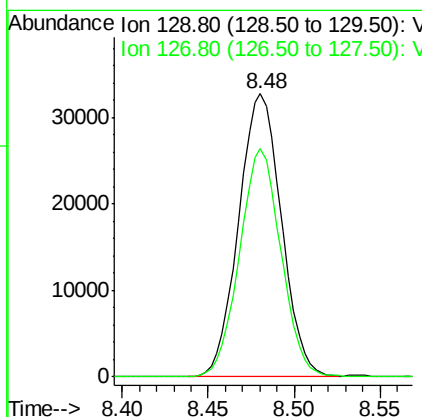
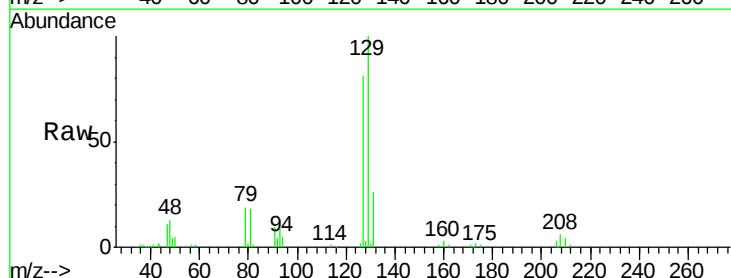
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#60
Dibromochloromethane
Concen: 17.96 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion: 129 Resp: 56622
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0





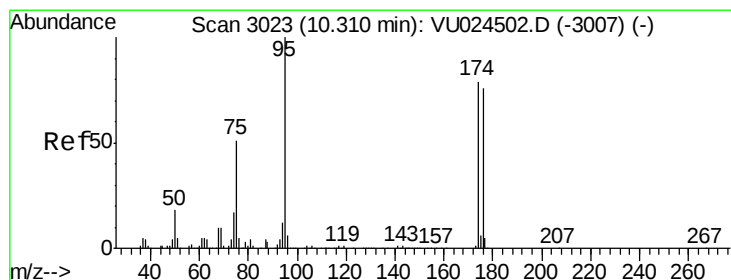
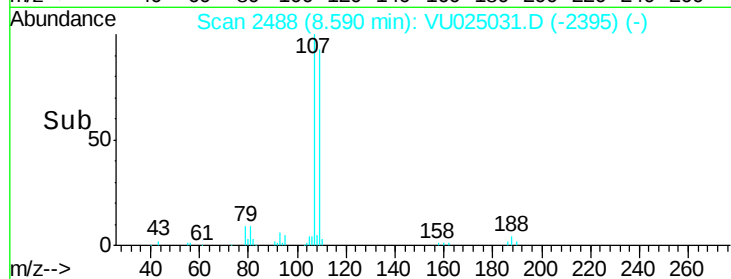
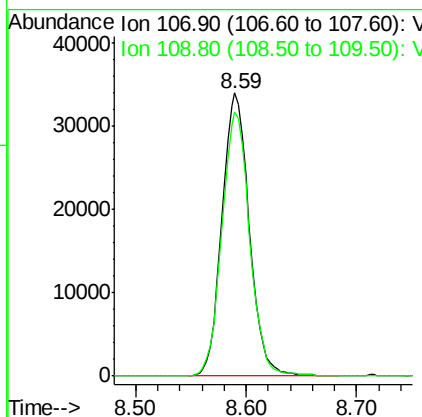
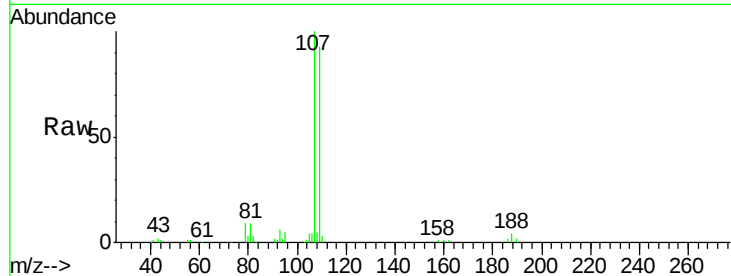
#61
 1,2-Dibromoethane
 Concen: 20.73 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.5	111.7

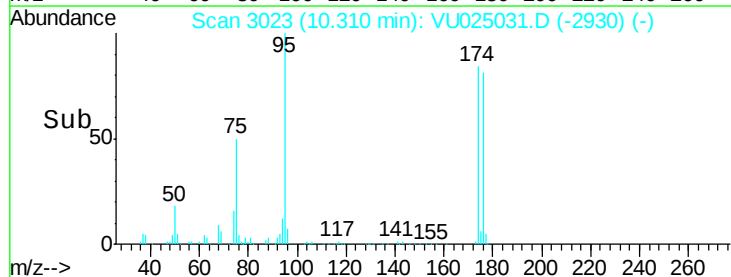
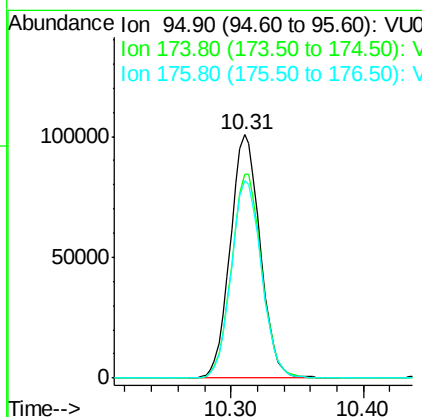
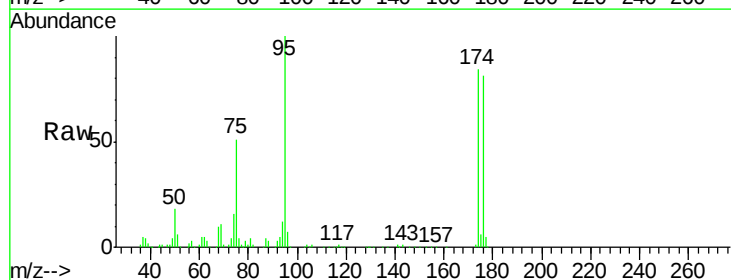
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#62
 4-Bromofluorobenzene
 Concen: 45.46 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	165.8
176	82.1	0.0	159.4





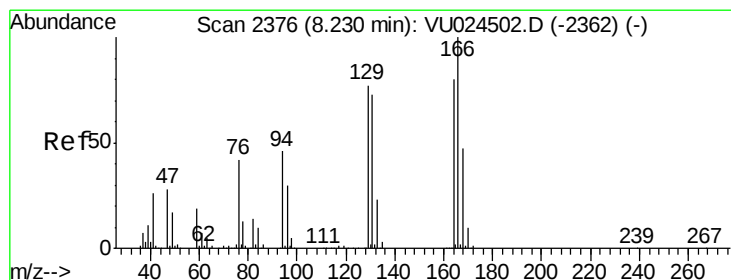
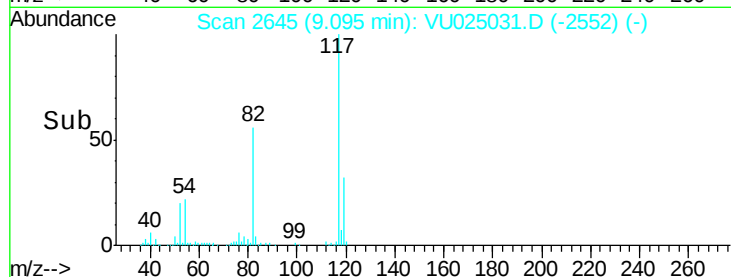
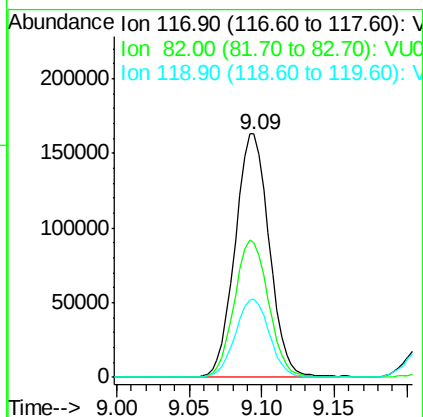
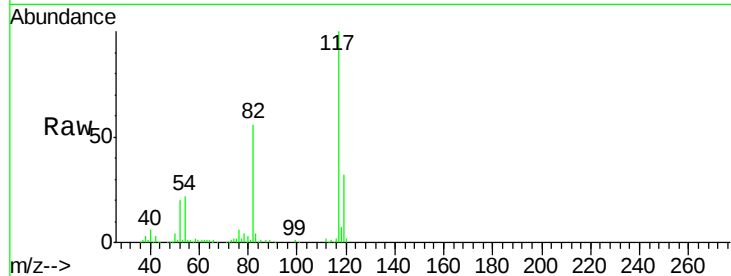
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	267537		
82	55.6	44.3	66.5	
119	32.1	25.4	38.2	

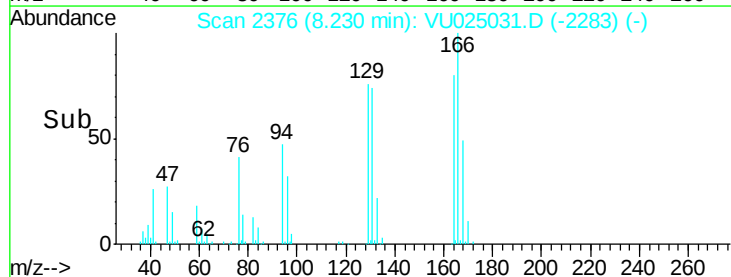
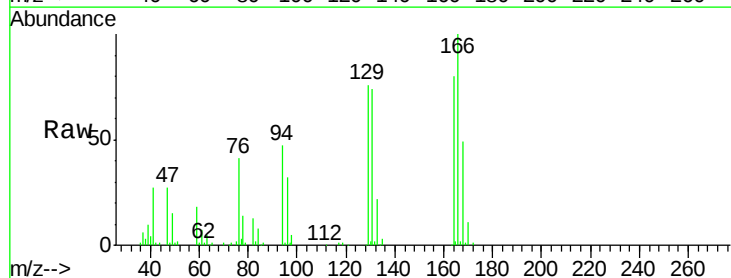
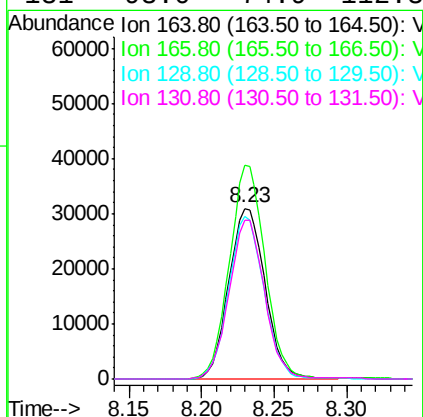
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#64
Tetrachloroethene
Concen: 21.24 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54011		
166	125.2	101.7	152.5	
129	95.6	76.9	115.3	
131	93.0	74.9	112.3	





#65

Chlorobenzene

Concen: 21.20 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion:112 Resp: 144881

Ion Ratio Lower Upper

112 100

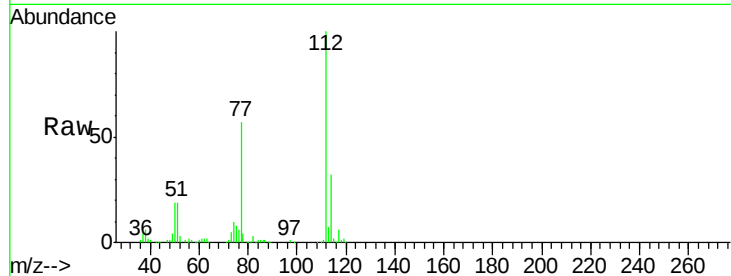
114 32.2 25.6 38.4

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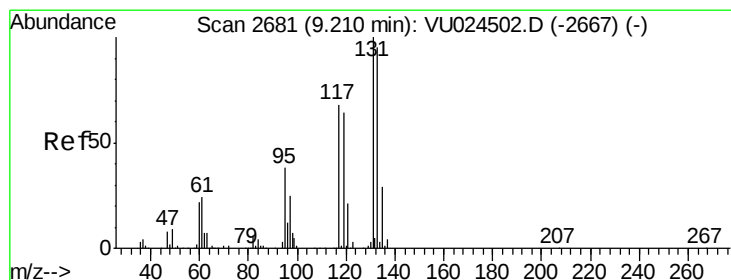
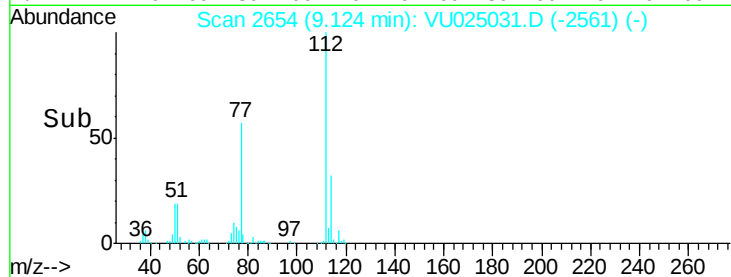
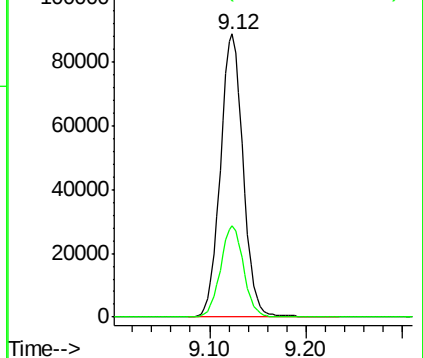
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.81 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

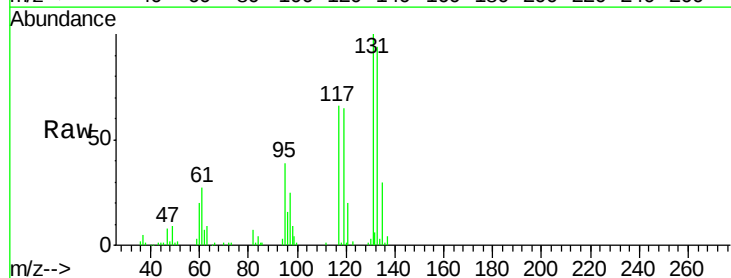
Tgt Ion:131 Resp: 54040

Ion Ratio Lower Upper

131 100

133 96.1 46.9 140.8

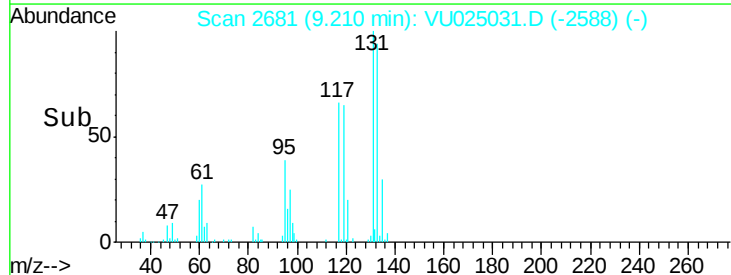
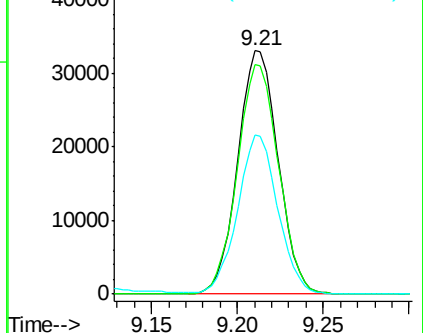
119 64.9 33.5 100.4

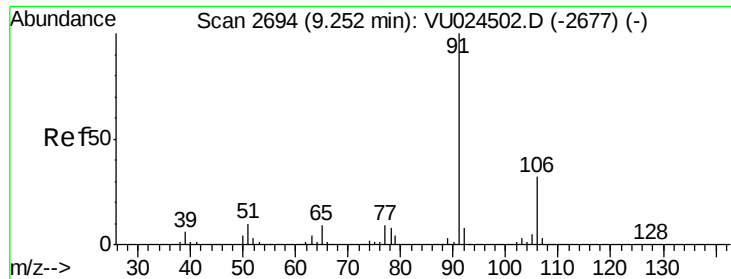


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





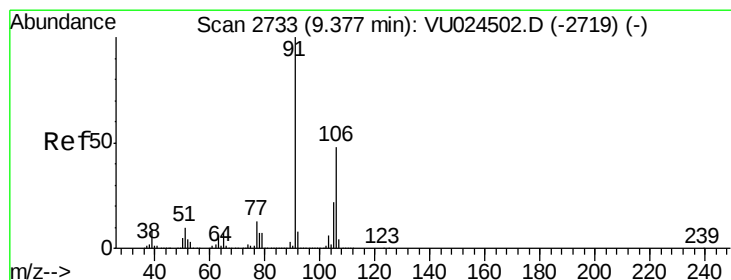
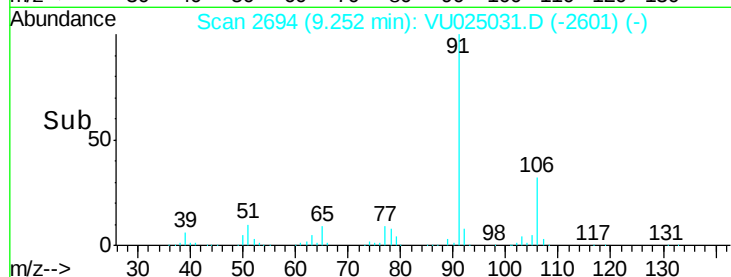
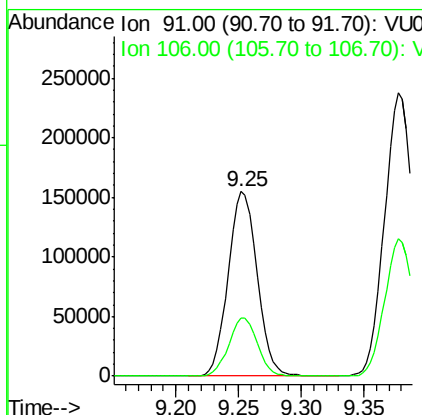
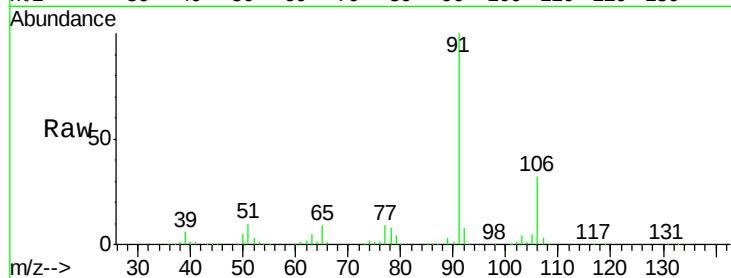
#67
Ethyl Benzene
Concen: 20.78 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion: 91 Resp: 249014
Ion Ratio Lower Upper
91 100
106 31.5 24.2 36.4

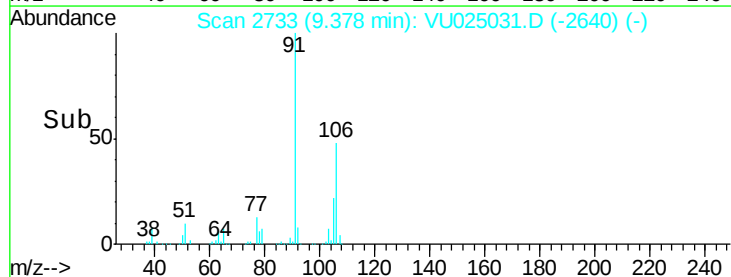
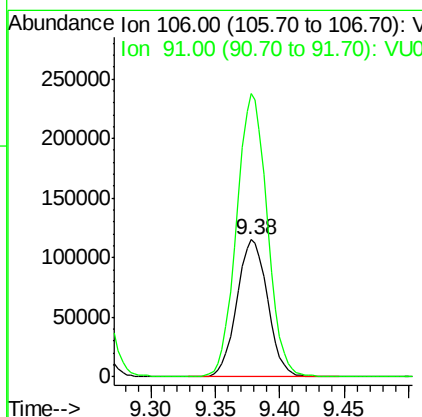
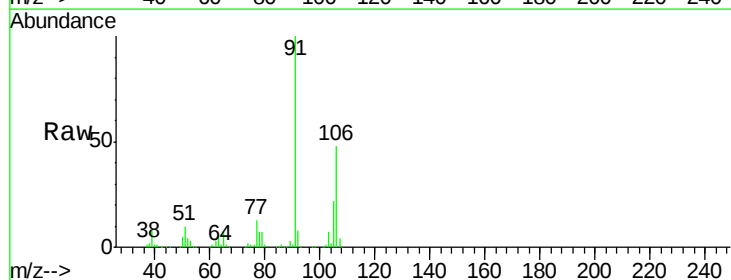
Manual Integrations
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#68
m/p-Xylenes
Concen: 41.66 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion: 106 Resp: 191656
Ion Ratio Lower Upper
106 100
91 204.7 166.5 249.7





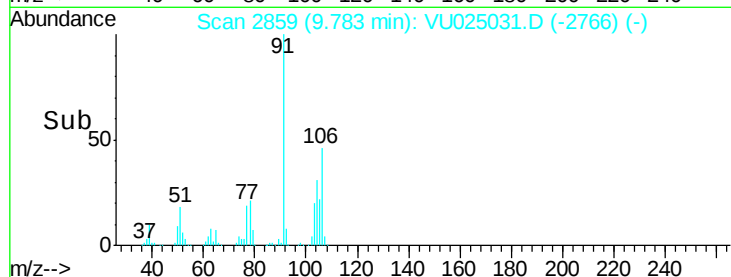
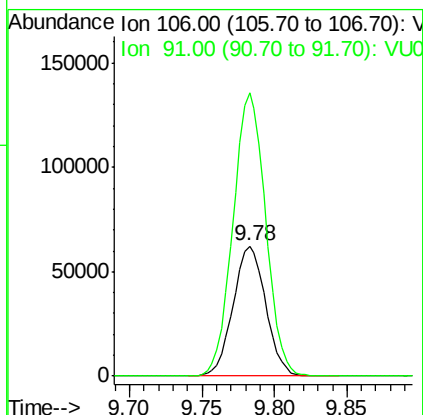
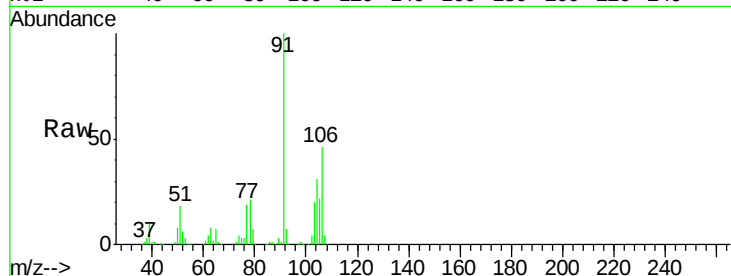
#69
o-Xylene
Concen: 21.37 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.2	110.7	331.9	

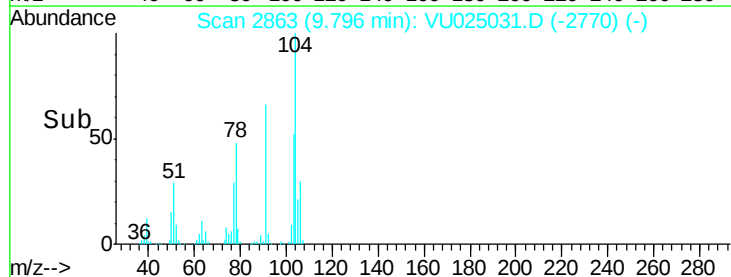
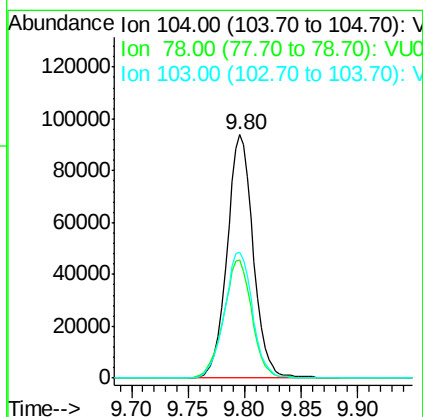
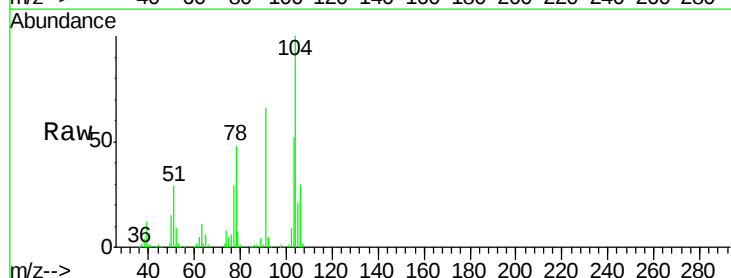
Manual Integrations
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#70
Styrene
Concen: 20.14 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.7	40.6	60.8	
103	55.6	44.7	67.1	





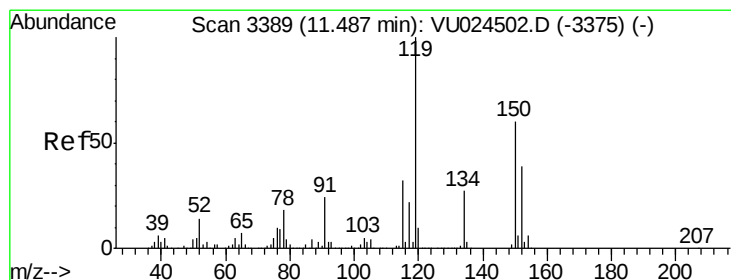
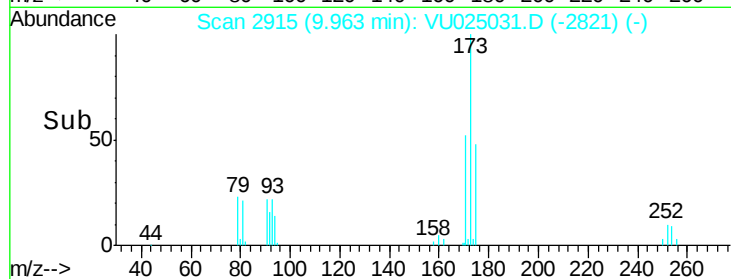
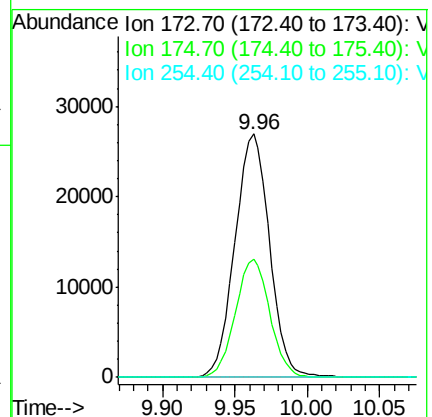
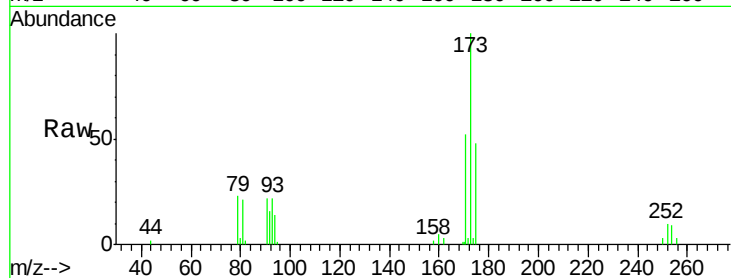
#71
Bromoform
Concen: 18.11 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.0	0.0	0.0

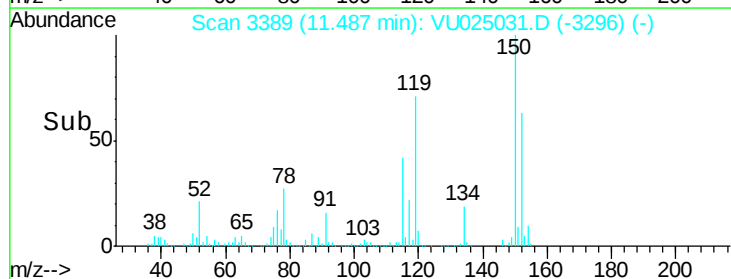
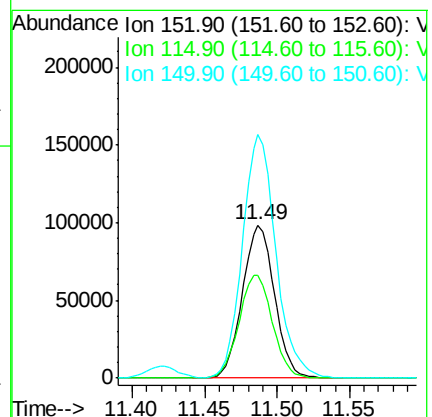
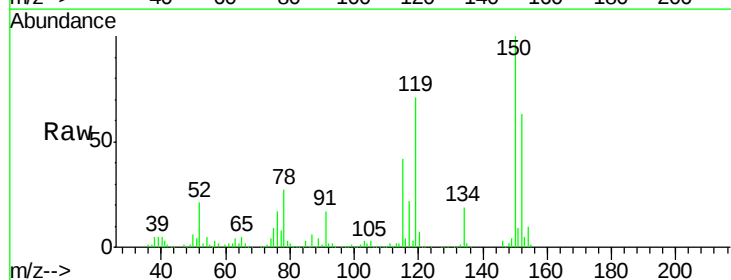
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.0	43.0	129.0
150	165.8	0.0	354.0





#73

Isopropylbenzene

Concen: 22.11 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampled :

VU0628WBSD01

Tot Ion:105 Resp: 257748

Ion Ratio Lower Upper

105 100

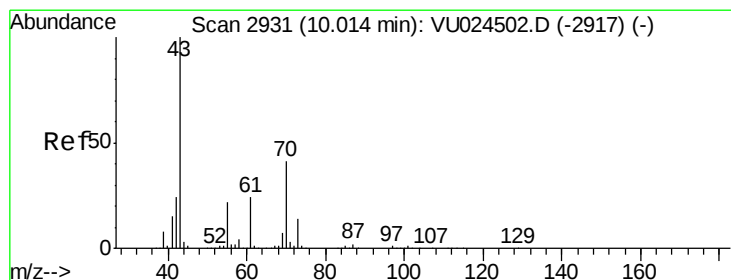
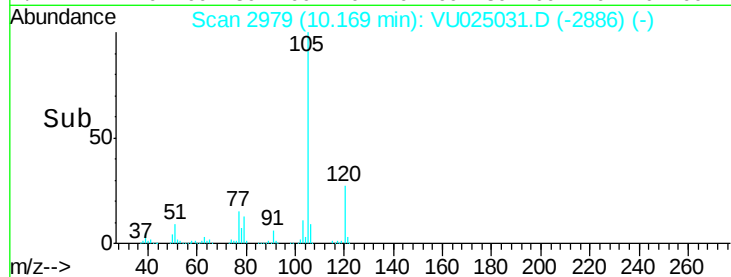
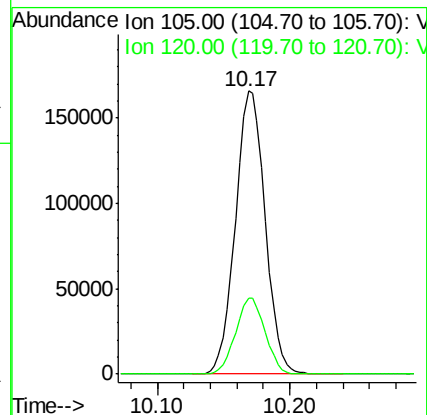
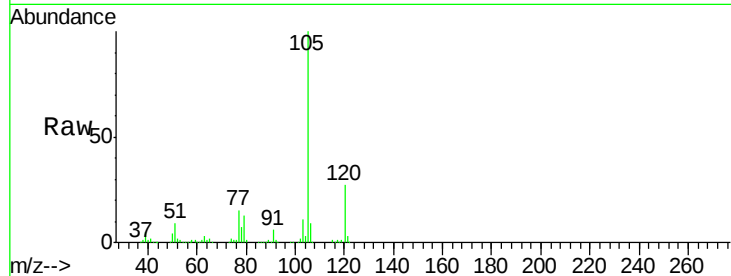
120 26.7 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.90 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion: 43 Resp: 110323

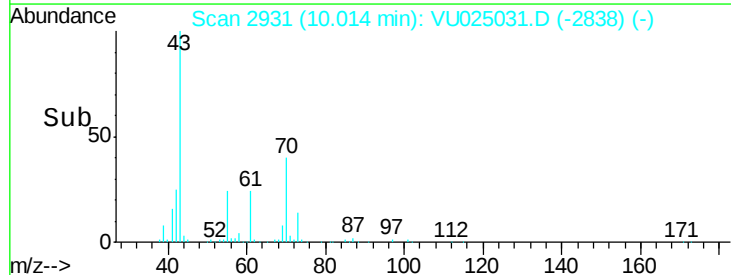
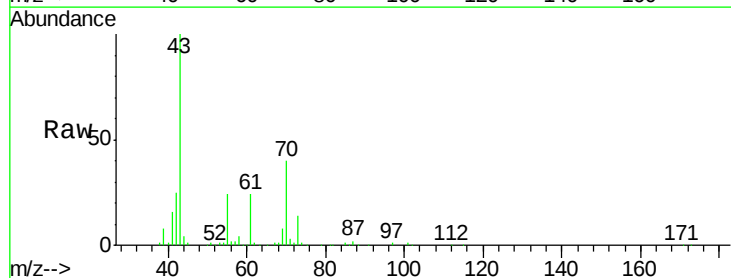
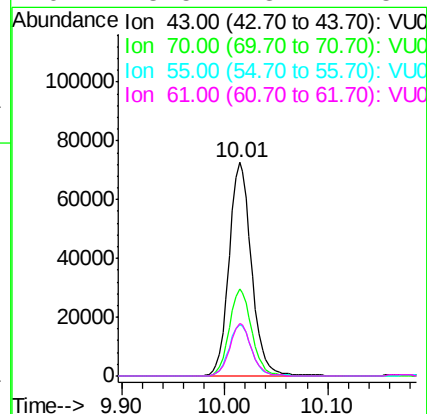
Ion Ratio Lower Upper

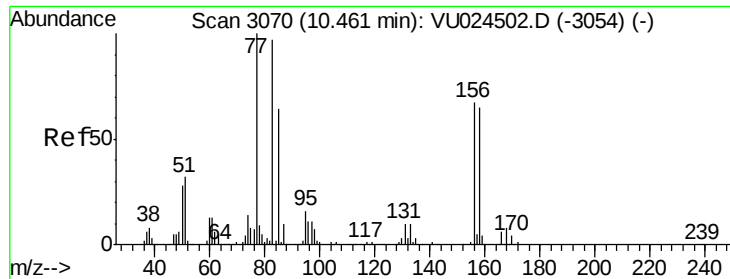
43 100

70 40.7 32.2 48.4

55 24.1 20.5 30.7

61 23.5 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.22 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 83 Resp: 86795

Ion Ratio Lower Upper

83 100

131 10.6 4.7 14.1

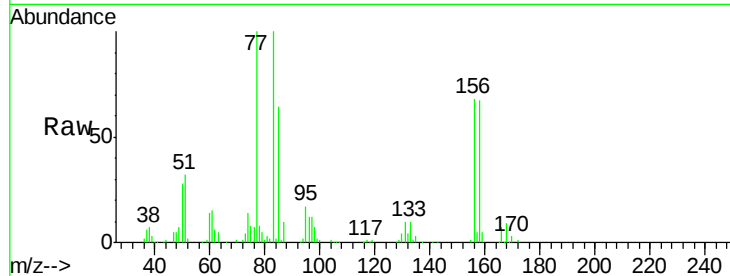
85 64.2 32.5 97.5

Manual Integrations

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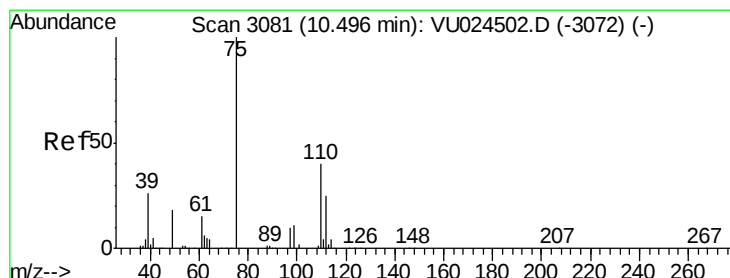
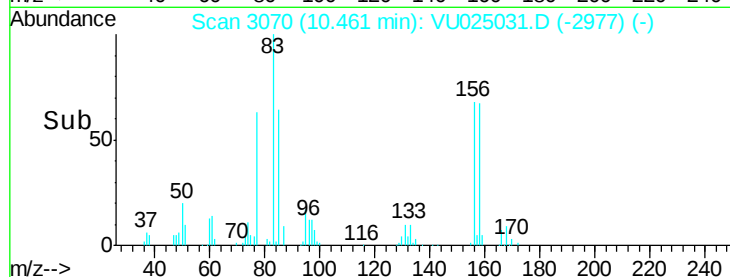
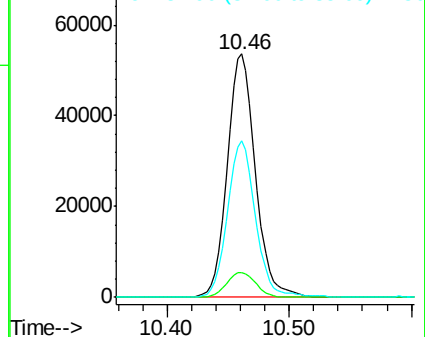
6/29/2018 4:23:36 PM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 23.80 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025031.D

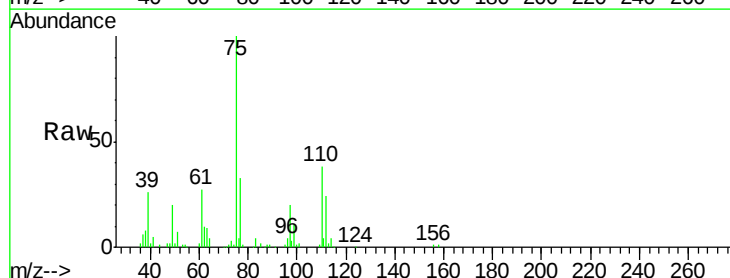
Acq: 28 Jun 2018 19:31

Tgt Ion: 75 Resp: 79574

Ion Ratio Lower Upper

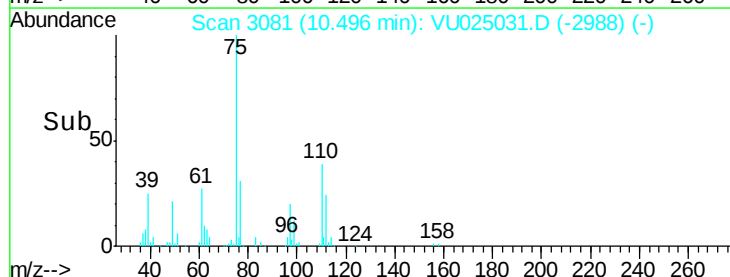
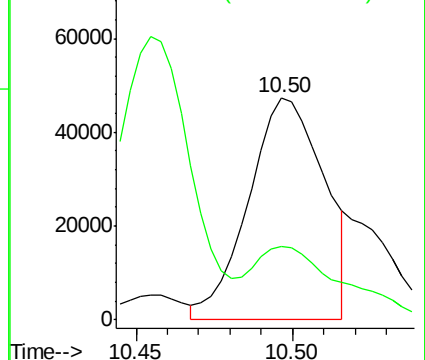
75 100

77 39.1 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





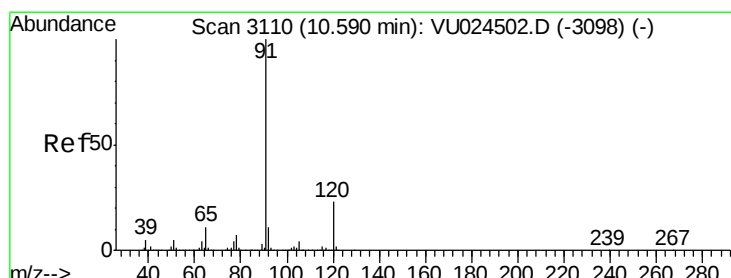
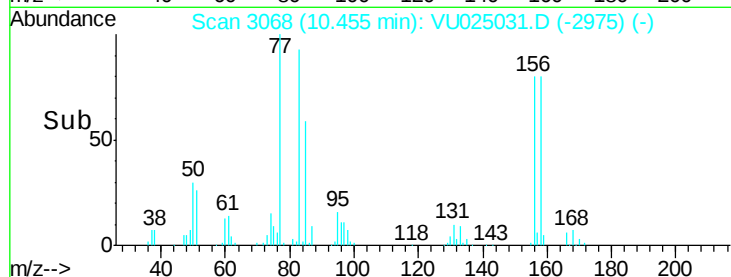
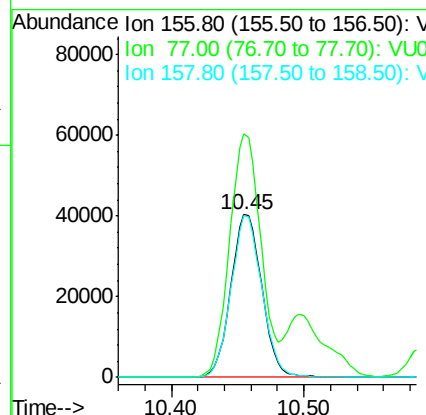
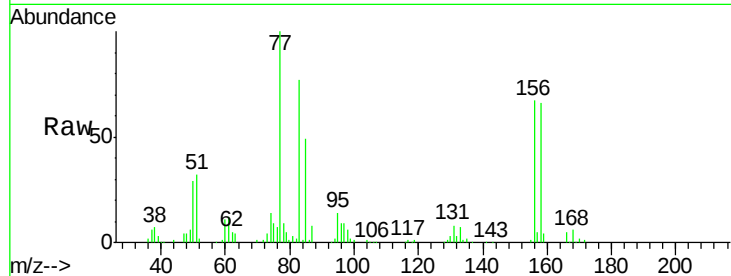
#77
Bromobenzene
Concen: 22.24 ug/l
RT: 10.45 min Scan# 3068
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.0	80.5	241.3
158	98.7	48.2	144.6

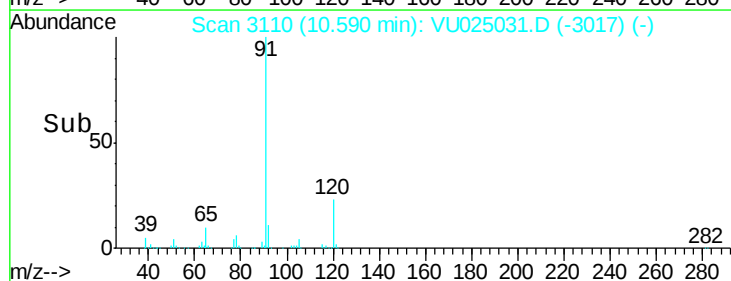
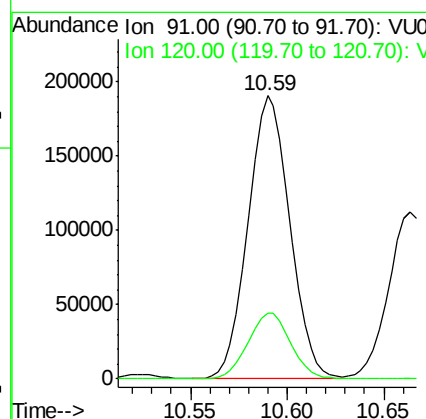
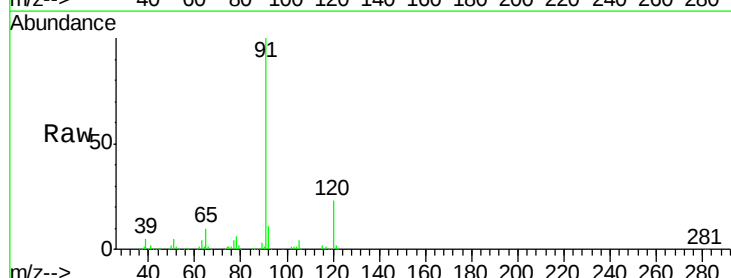
Manual Integrations
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#78
n-propylbenzene
Concen: 20.84 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 22.09 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion: 91 Resp: 178880

Ion Ratio Lower Upper

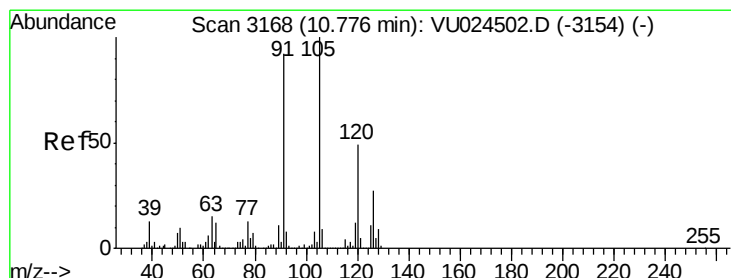
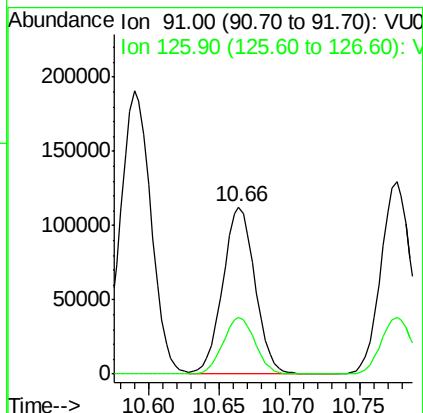
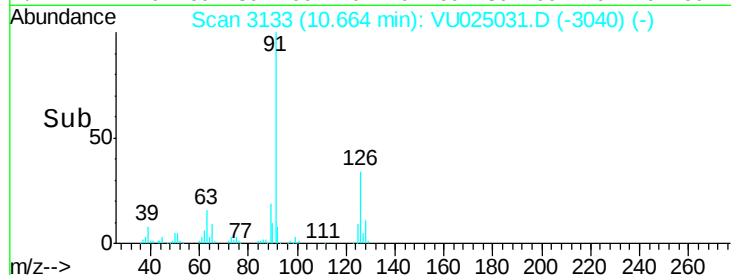
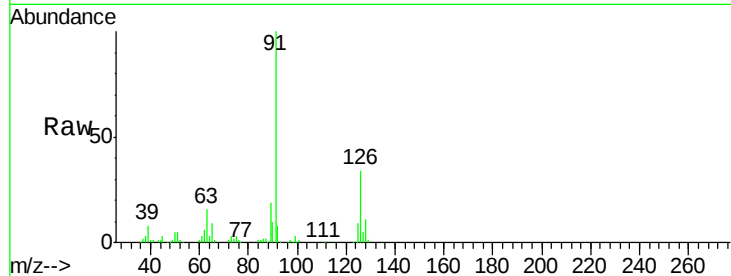
91 100

126 33.8 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 22.05 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025031.D

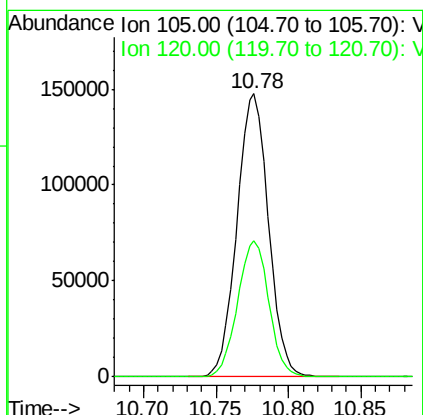
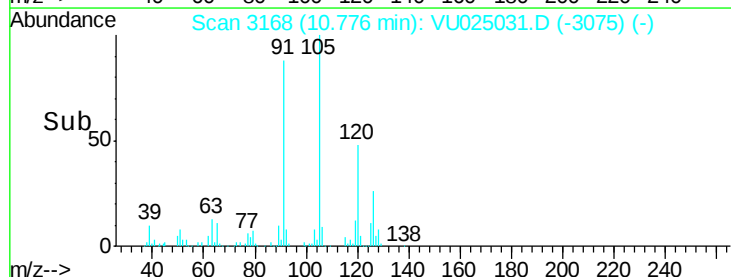
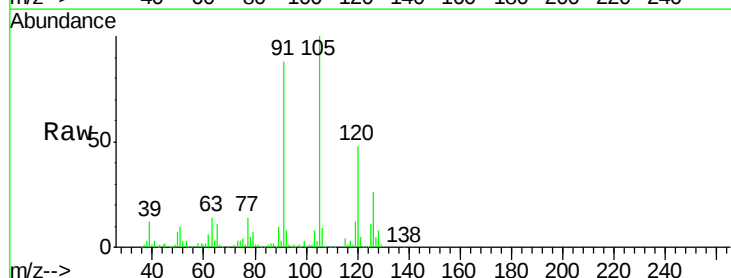
Acq: 28 Jun 2018 19:31

Tgt Ion: 105 Resp: 222769

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.2





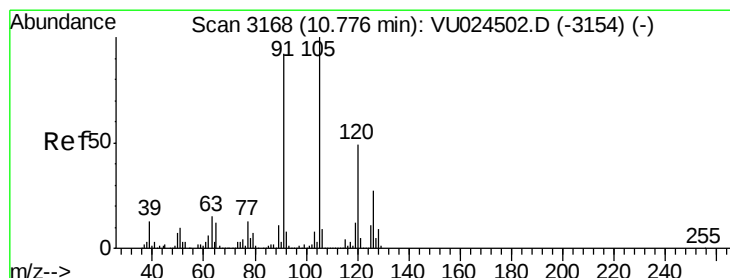
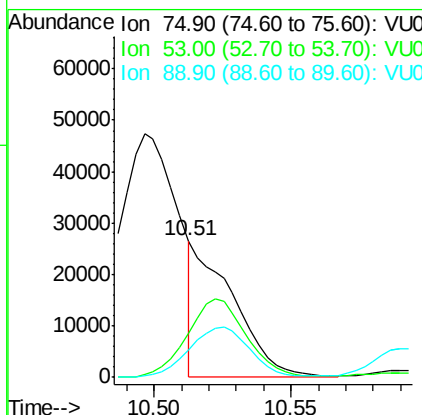
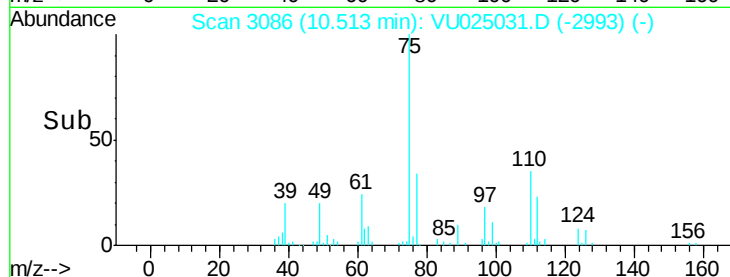
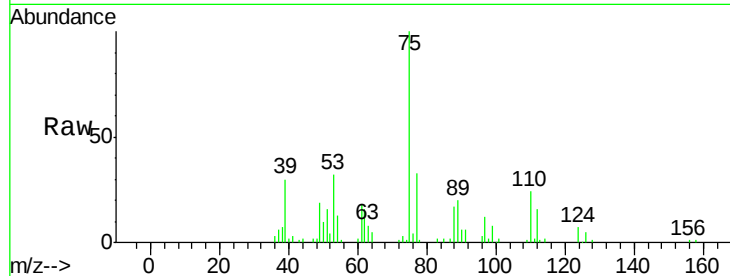
#81
trans-1,4-Dichloro-2-butene
Concen: 18.73 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

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

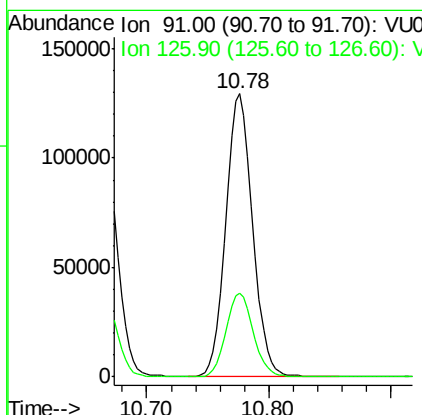
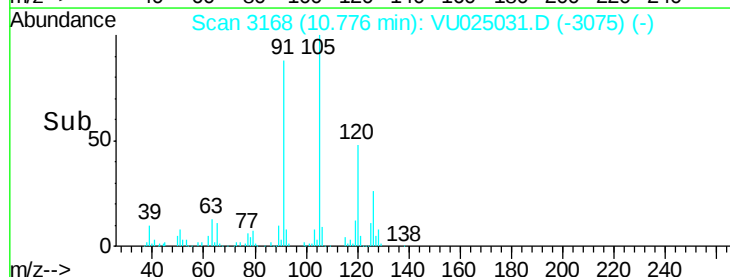
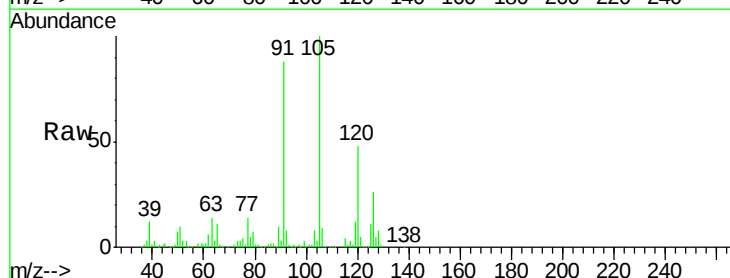
Manual Integrations
APPROVED

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6/29/2018 4:23:36 PM



#82
4-Chlorotoluene
Concen: 21.06 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	14.9	44.9





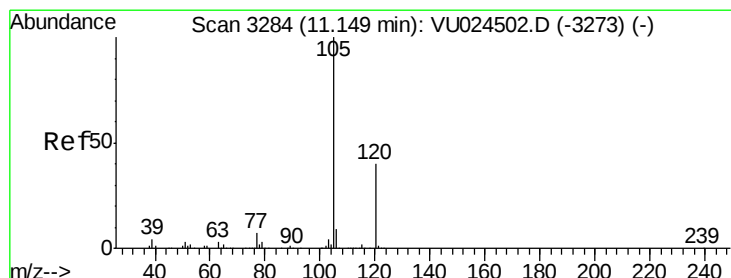
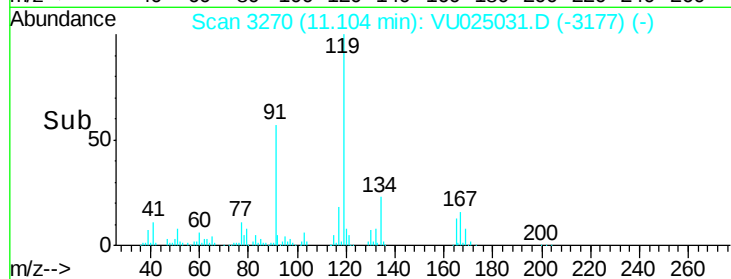
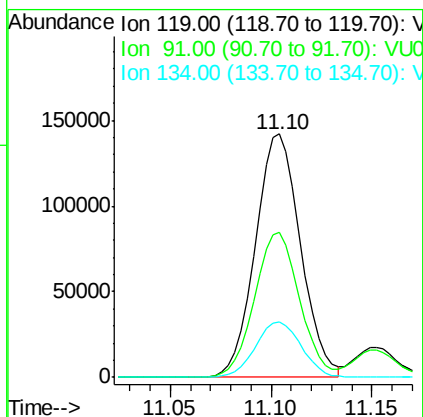
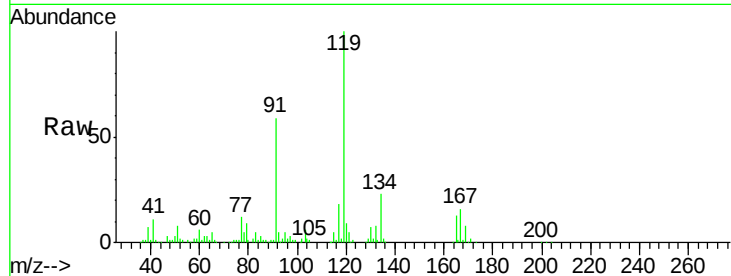
#83
tert-Butylbenzene
Concen: 22.83 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221864		
91	59.6	29.7	89.1	
134	23.1	11.6	34.7	

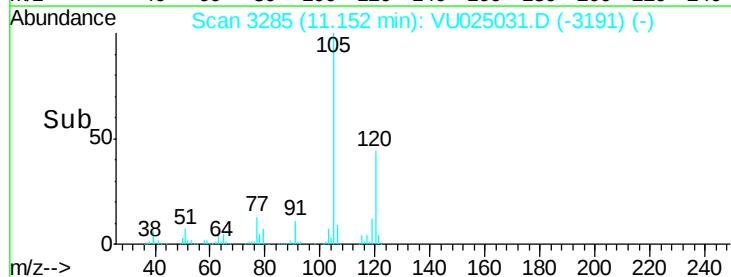
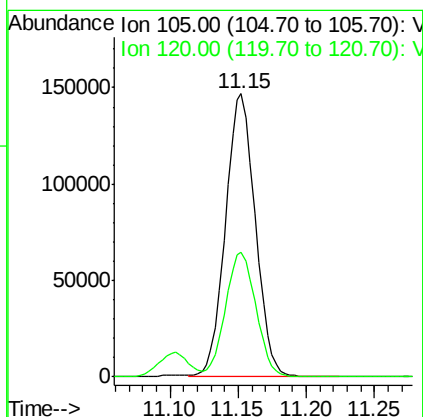
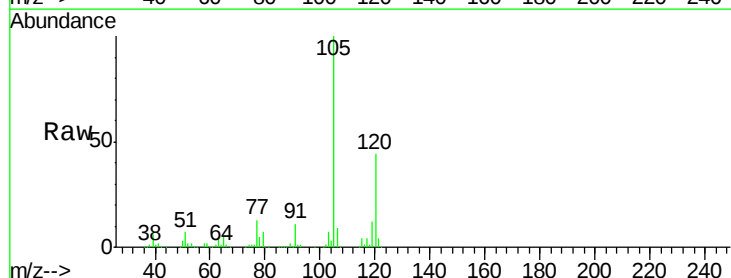
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 21.62 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	222639		
120	44.9	22.6	67.8	





#85

sec-Butylbenzene

Concen: 21.33 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

ClientSampleId :

VU0628WBSD01

Tot Ion:105 Resp: 259468

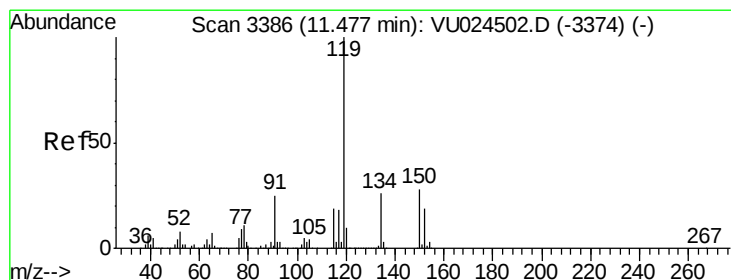
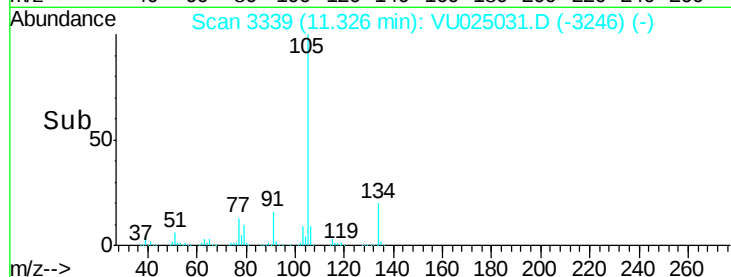
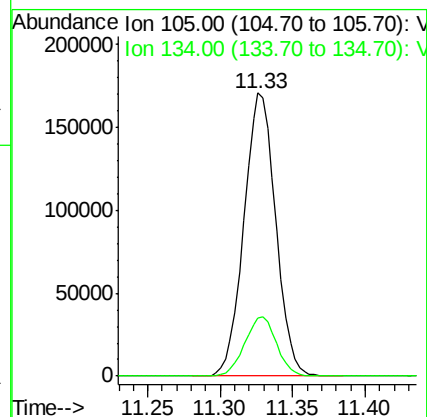
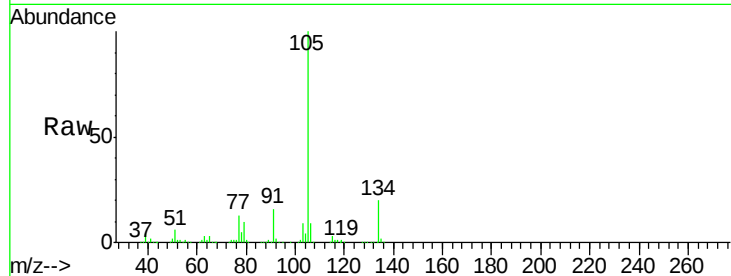
Ion Ratio Lower Upper

105 100

134 20.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 21.47 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

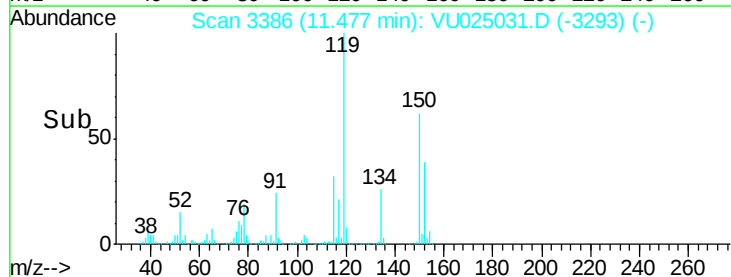
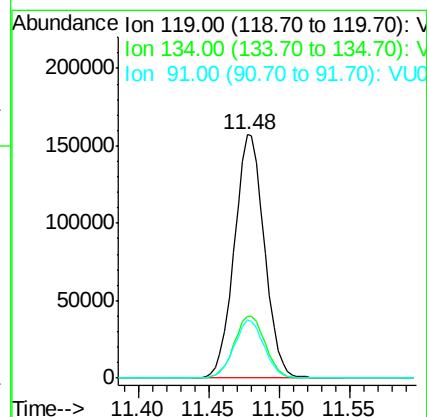
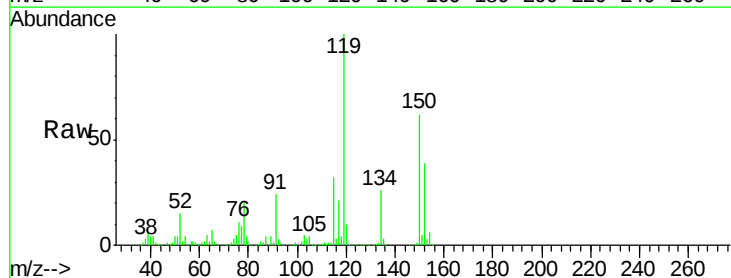
Tgt Ion:119 Resp: 233987

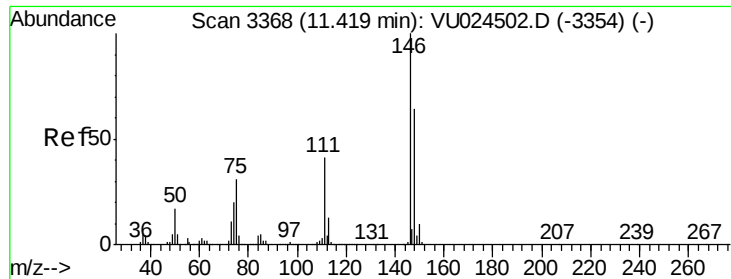
Ion Ratio Lower Upper

119 100

134 26.5 12.9 38.6

91 24.1 12.0 36.1





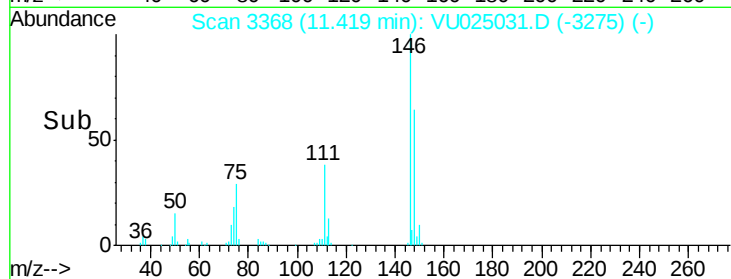
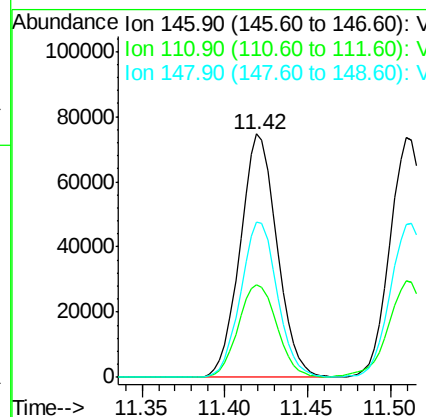
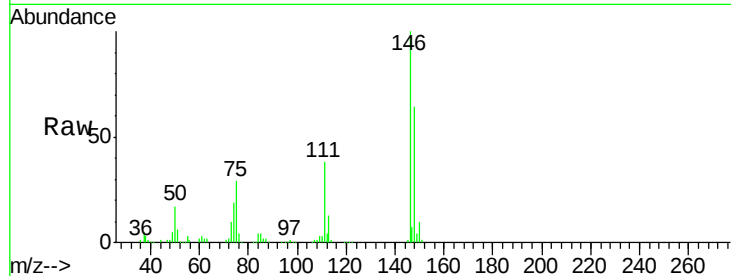
#87
 1,3-Dichlorobenzene
 Concen: 21.21 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	60.0
148	63.6	32.1	96.5

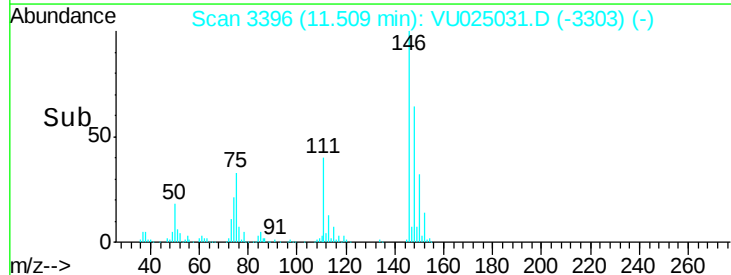
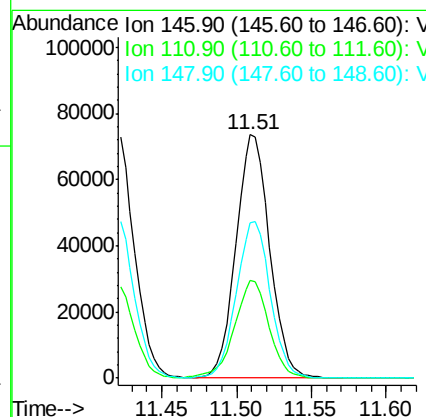
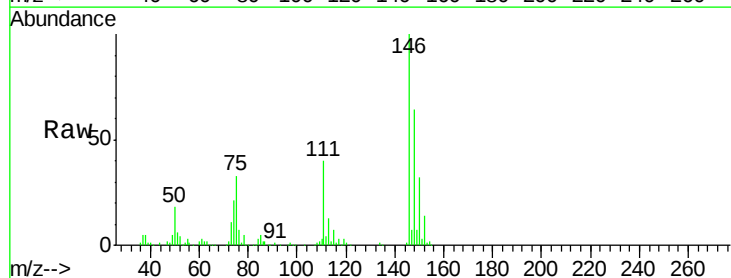
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#88
 1,4-Dichlorobenzene
 Concen: 20.95 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.5	58.5
148	65.1	32.4	97.0





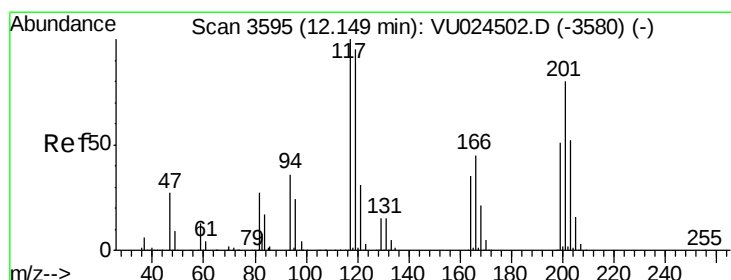
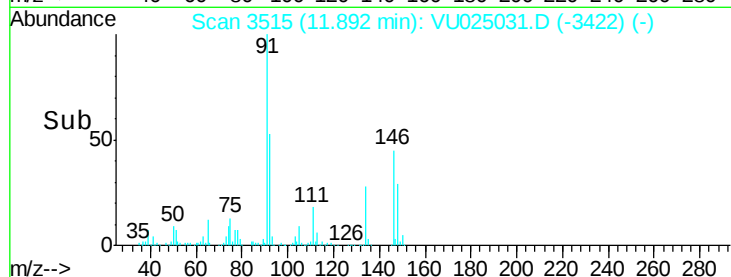
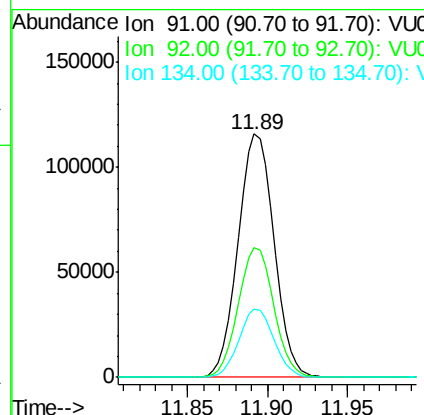
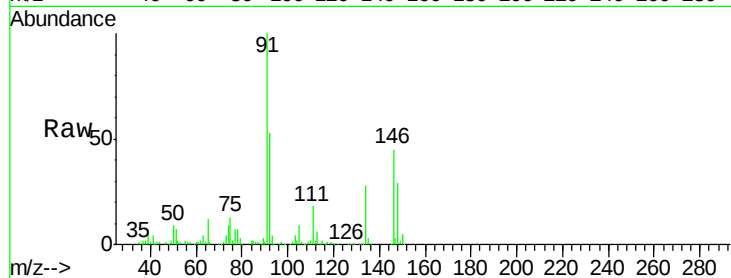
#89
n-Butylbenzene
Concen: 18.27 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Instrument :
MSVOA_U
ClientSampleId :
VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	27.3	12.3	36.8

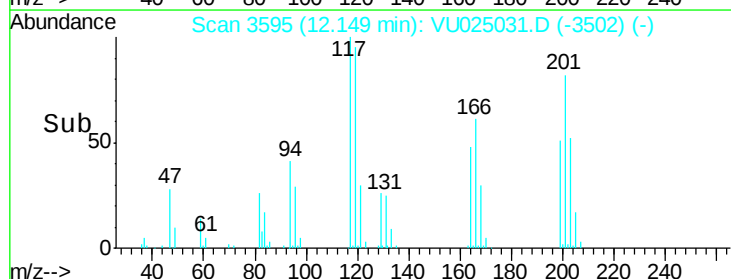
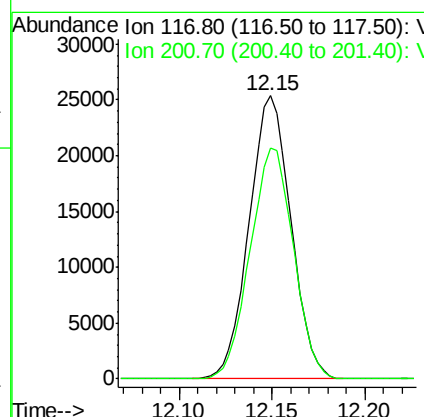
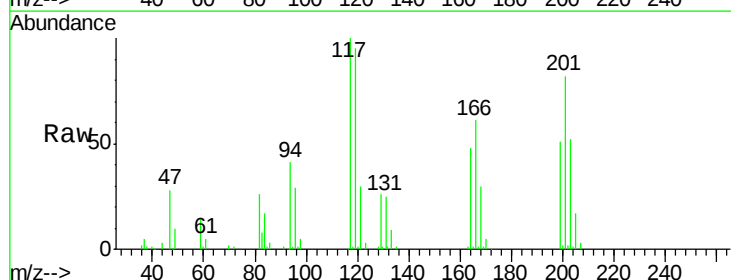
Manual Integrations
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#90
Hexachloroethane
Concen: 18.74 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025031.D
Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	41.1	123.3





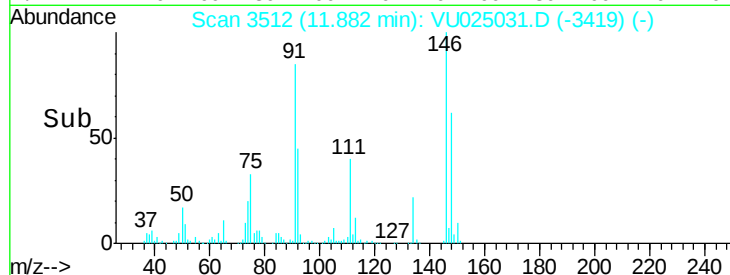
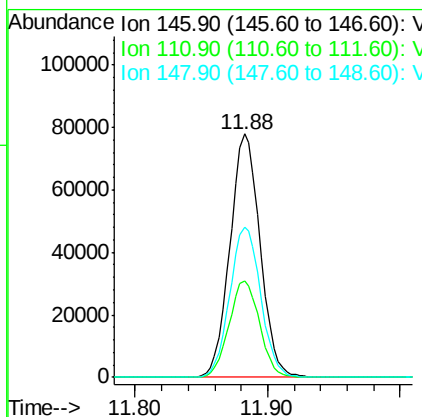
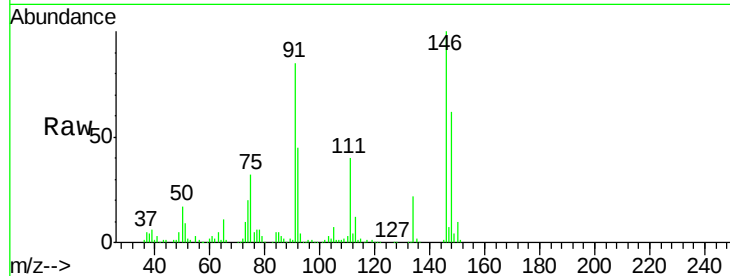
#91
 1,2-Dichlorobenzene
 Concen: 22.51 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampled :
 VU0628WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	63.2	31.9	95.7

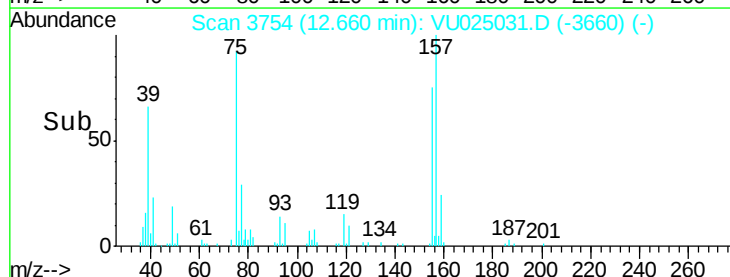
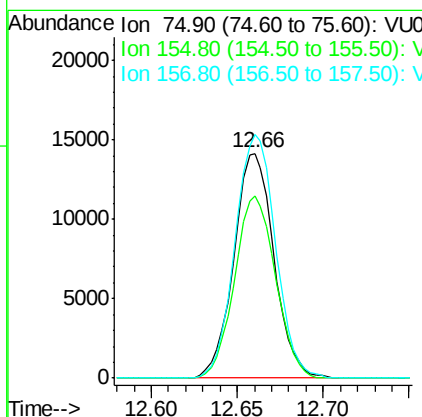
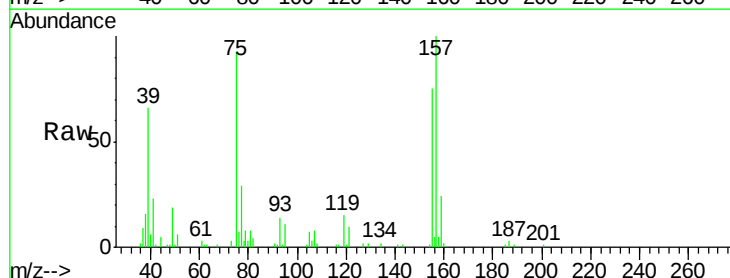
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.33 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	40.4	121.2
157	109.1	52.3	156.8





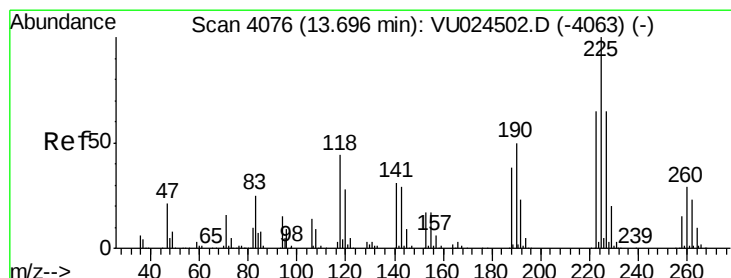
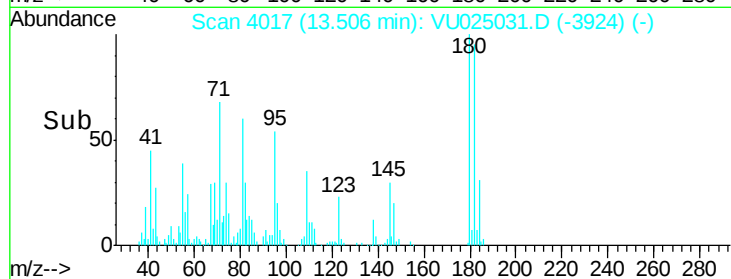
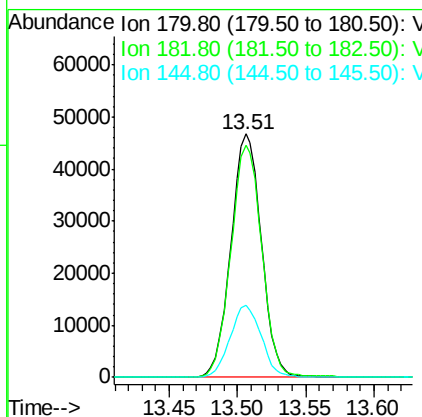
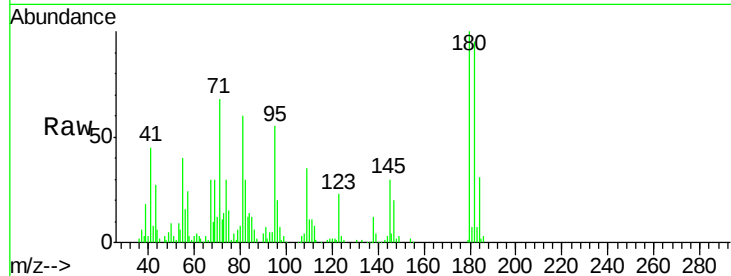
#93
 1,2,4-Trichlorobenzene
 Concen: 21.50 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0628WBSD01

Tot Ion:	180	Resp:	72527
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	30.4	14.7	44.1

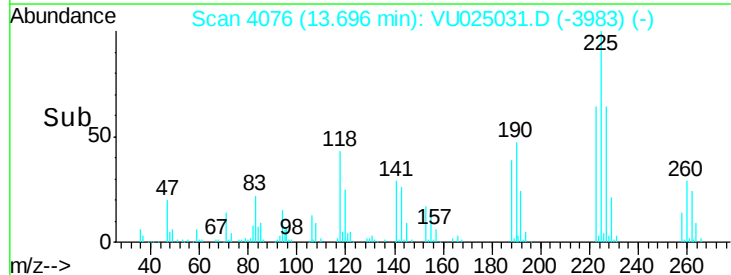
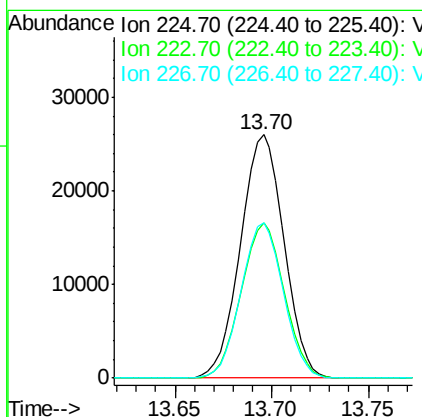
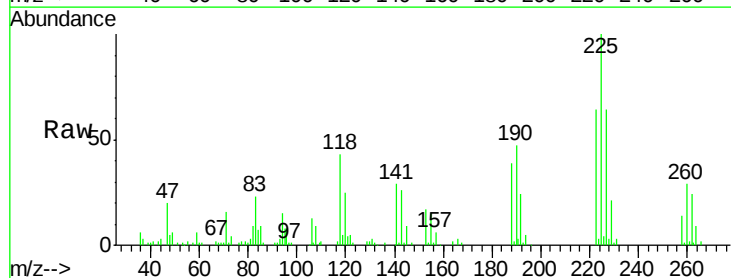
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 21.43 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025031.D
 Acq: 28 Jun 2018 19:31

Tgt Ion:	225	Resp:	40676
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.3	93.8
227	62.1	31.8	95.4





#95

Naphthalene

Concen: 23.18 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Instrument :

MSVOA_U

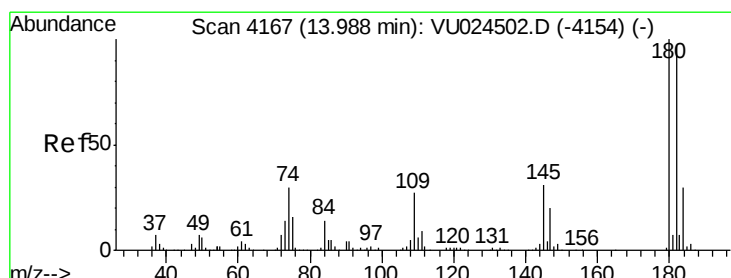
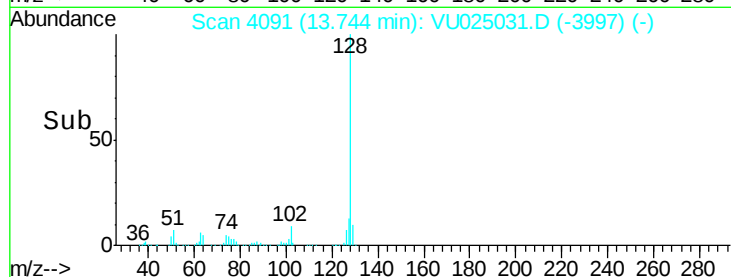
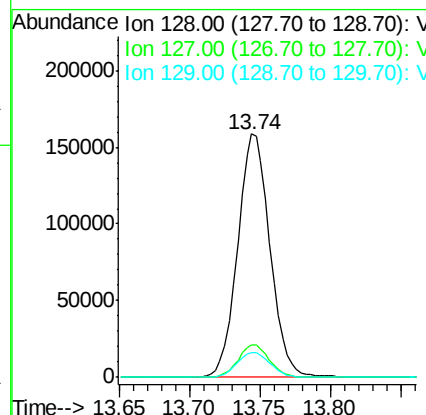
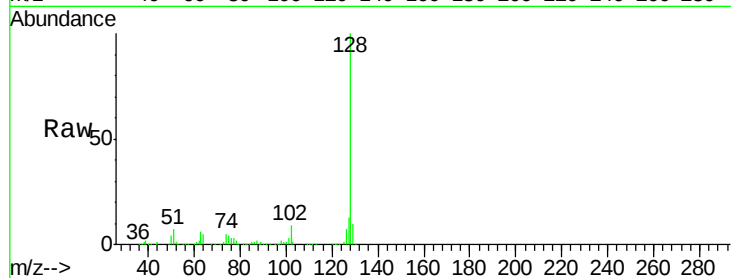
ClientSampleId :

VU0628WBSD01

Tot Ion:	128	Resp:	254651
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.5	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 23.55 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU025031.D

Acq: 28 Jun 2018 19:31

Tgt Ion:	180	Resp:	79138
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.7
145	31.7	15.4	46.1

