

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU063018\
 Data File : VU025111.D
 Acq On : 01 Jul 2018 01:17
 Operator : MD/SY
 Sample : VU0630WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Manual Integrations
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 7/2/2018 4:16:42 PM

Quant Time: Jul 02 07:55:11 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	162079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	253326	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	236354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	133355	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	120901	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
35) Dibromofluoromethane	4.89	113	97706	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
50) Toluene-d8	7.57	98	314196	40.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.94%	
62) 4-Bromofluorobenzene	10.31	95	129493	42.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	34231	16.87	ug/l	98
3) Chloromethane	1.33	50	38489	18.57	ug/l	100
4) Vinyl Chloride	1.40	62	40497	18.95	ug/l	98
5) Bromomethane	1.62	94	25996	25.16	ug/l	99
6) Chloroethane	1.70	64	27120	22.12	ug/l	98
7) Trichlorofluoromethane	1.89	101	66778	20.47	ug/l	99
8) Diethyl Ether	2.10	74	25396	21.82	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	37956	18.76	ug/l	98
10) Methyl Iodide	2.41	142	35351	23.75	ug/l	99
11) Tert butyl alcohol	2.82	59	70292	109.23	ug/l	100
12) 1,1-Dichloroethene	2.28	96	36228	19.63	ug/l	99
13) Acrolein	2.19	56	19952	59.04	ug/l	98
14) Allyl chloride	2.60	41	59860	17.47	ug/l	100
15) Acrylonitrile	2.94	53	134039	107.06	ug/l	100
16) Acetone	2.32	43	130660	91.91	ug/l	98
17) Carbon Disulfide	2.48	76	98330	16.64	ug/l	99
18) Methyl Acetate	2.62	43	80935	26.56	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	146883	21.17	ug/l	97
20) Methylene Chloride	2.70	84	45917	20.58	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	39466	19.42	ug/l	99
22) Diisopropyl ether	3.57	45	139858	20.59	ug/l	94
23) Vinyl Acetate	3.53	43	563491	92.60	ug/l	99
24) 1,1-Dichloroethane	3.45	63	79149	20.25	ug/l	98
25) 2-Butanone	4.26	43	195555	102.40	ug/l	99
26) 2,2-Dichloropropane	4.23	77	47155	12.71	ug/l	95
27) cis-1,2-Dichloroethene	4.23	96	50146	21.46	ug/l	96
28) Bromochloromethane	4.55	49	34163	19.85	ug/l	88
29) Tetrahydrofuran	4.64	42	124709	105.46	ug/l	96
30) Chloroform	4.68	83	84801	21.44	ug/l	100
31) Cyclohexane	5.00	56	71384	19.36	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	74227	20.29	ug/l	96
36) 1,1-Dichloropropene	5.14	75	57780	19.41	ug/l	96
37) Ethyl Acetate	4.38	43	69455	21.41	ug/l	98
38) Carbon Tetrachloride	5.14	117	65434	19.99	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	68959	18.56	ug/l	97
40) Benzene	5.39	78	173103	20.41	ug/l	100
41) Methacrylonitrile	4.54	41	38424	21.97	ug/l	97
42) 1,2-Dichloroethane	5.41	62	72332	22.39	ug/l	98
43) Isopropyl Acetate	5.55	43	111978	19.97	ug/l	99
44) Trichloroethene	6.19	130	48851	20.24	ug/l	99
45) 1,2-Dichloropropane	6.44	63	46152	20.39	ug/l	98
46) Dibromomethane	6.56	93	33088	20.81	ug/l	94
47) Bromodichloromethane	6.76	83	63487	20.06	ug/l	97
48) Methyl methacrylate	6.63	41	59161	21.66	ug/l	97
49) 1,4-Dioxane	6.62	88	27725	519.14	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	373495	106.01	ug/l	99
52) Toluene	7.64	92	111571	20.45	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	63618	17.90	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	67185	17.74	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47345	21.34	ug/l	96
56) Ethyl methacrylate	8.02	69	73287	19.74	ug/l	98
57) 1,3-Dichloropropane	8.25	76	78214	20.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	124460	87.50	ug/l	94
59) 2-Hexanone	8.36	43	288079	100.15	ug/l	99
60) Dibromochloromethane	8.48	129	50991	18.43	ug/l	99
61) 1,2-Dibromoethane	8.59	107	51242	20.75	ug/l	99
64) Tetrachloroethene	8.23	164	49350	21.97	ug/l	98
65) Chlorobenzene	9.12	112	126412	20.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47396	20.66	ug/l	97
67) Ethyl Benzene	9.25	91	214925	20.30	ug/l	98
68) m/p-Xylenes	9.38	106	167947	41.32	ug/l	96
69) o-Xylene	9.78	106	82251	20.45	ug/l	99
70) Styrene	9.80	104	127297	19.26	ug/l	97
71) Bromoform	9.96	173	39291	18.02	ug/l #	98
73) Isopropylbenzene	10.17	105	221726	21.66	ug/l	100
74) N-amyl acetate	10.01	43	92972	19.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	76777	22.38	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	68881m	23.46	ug/l	
77) Bromobenzene	10.45	156	57427	22.16	ug/l	95
78) n-propylbenzene	10.59	91	240988	19.98	ug/l	97
79) 2-Chlorotoluene	10.66	91	151391	21.29	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	187942	21.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	20841m	16.43	ug/l	
82) 4-Chlorotoluene	10.78	91	172356	20.82	ug/l	98
83) tert-Butylbenzene	11.10	119	184277	21.59	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	190768	21.09	ug/l	99
85) sec-Butylbenzene	11.33	105	218067	20.41	ug/l	99
86) p-Isopropyltoluene	11.48	119	190619	19.92	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	97368	20.33	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	97996	20.33	ug/l	100
89) n-Butylbenzene	11.89	91	140524	16.54	ug/l	97
90) Hexachloroethane	12.15	117	32357	17.33	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	102852	21.44	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	18763	19.82	ug/l	94

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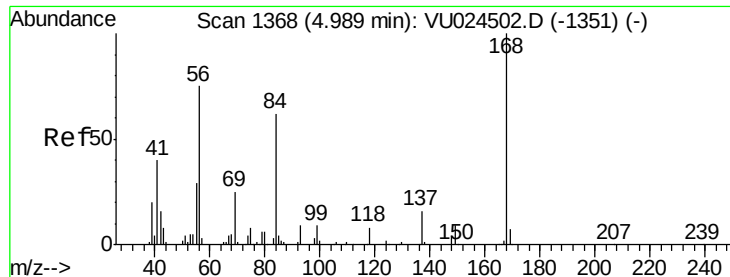
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	58127	19.62	ug/l	98
94) Hexachlorobutadiene	13.70	225	32892	19.73	ug/l	97
95) Naphthalene	13.74	128	197297	20.53	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62446	21.16	ug/l	98

(#) = 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: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion:168 Resp: 162079

Ion Ratio Lower Upper

168 100

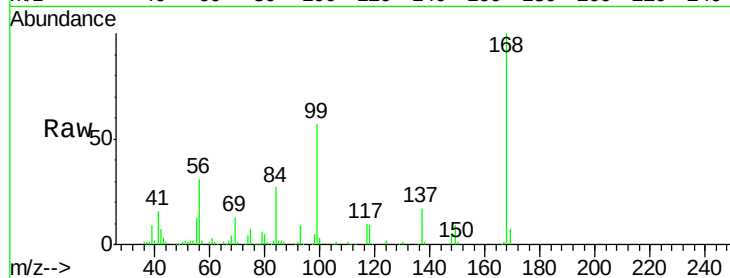
99 56.2 43.2 64.8

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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

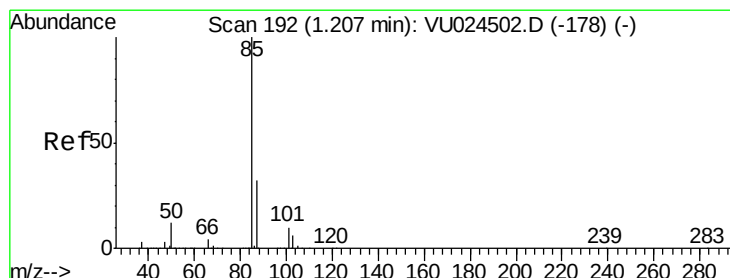
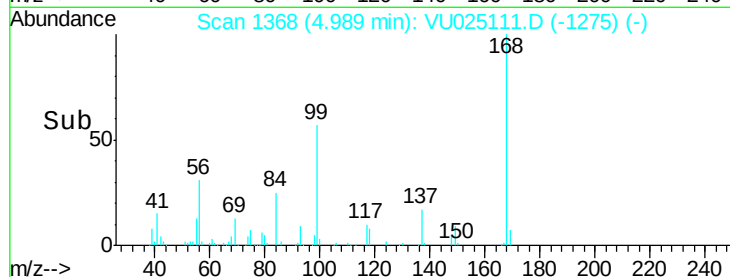
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 16.87 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025111.D

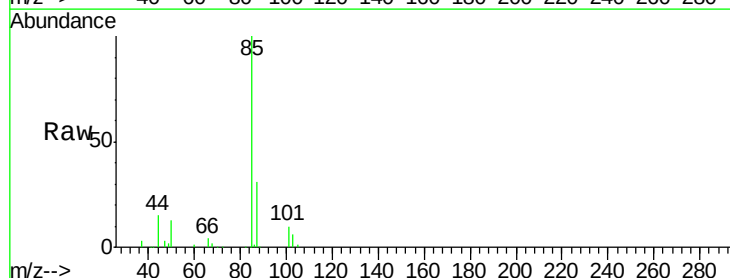
Acq: 01 Jul 2018 01:17

Tgt Ion: 85 Resp: 34231

Ion Ratio Lower Upper

85 100

87 30.8 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

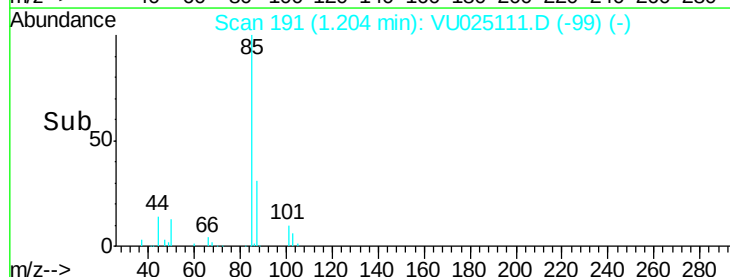
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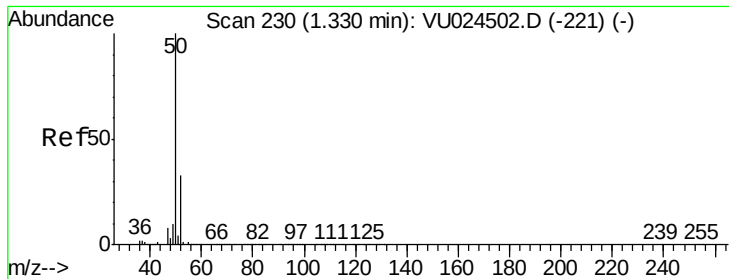
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.57 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 50 Resp: 38489

Ion Ratio Lower Upper

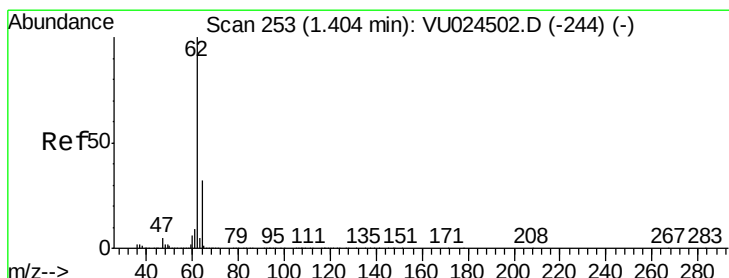
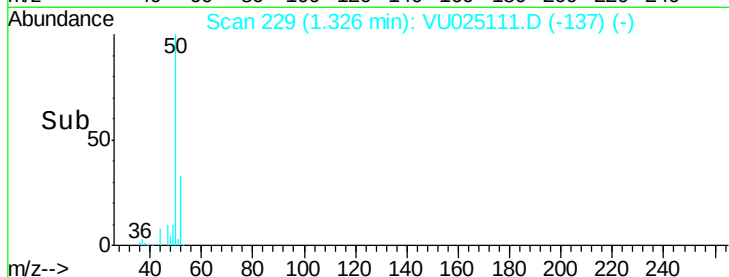
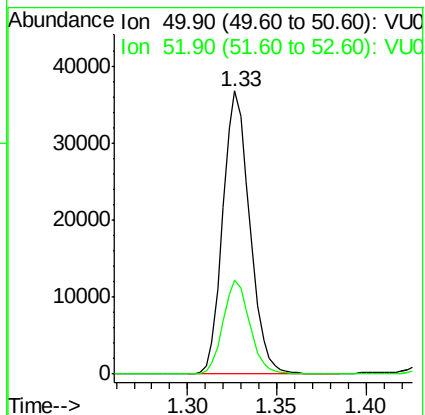
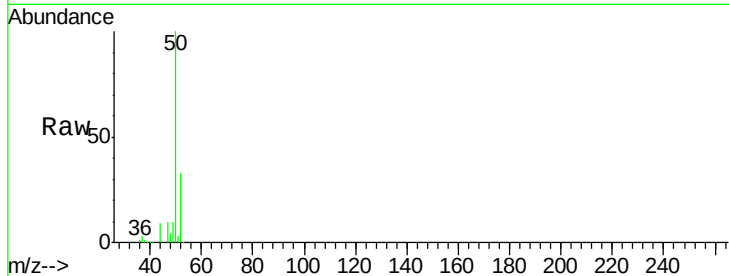
50 100

52 33.0 26.4 39.6

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#4

Vinyl Chloride

Concen: 18.95 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025111.D

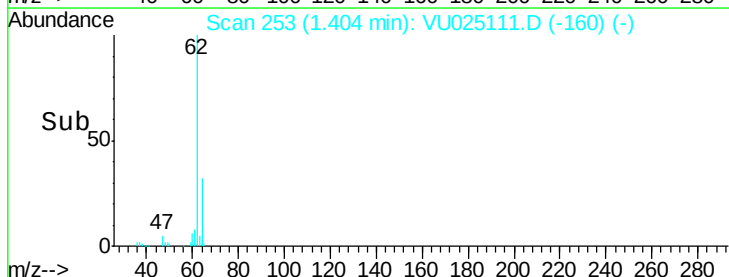
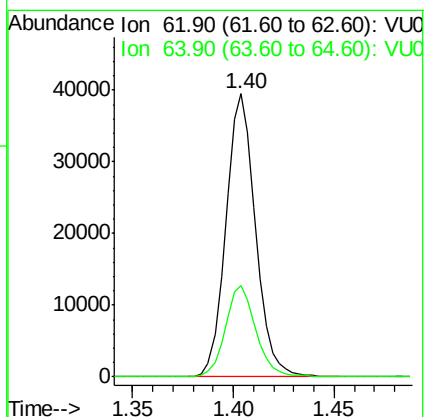
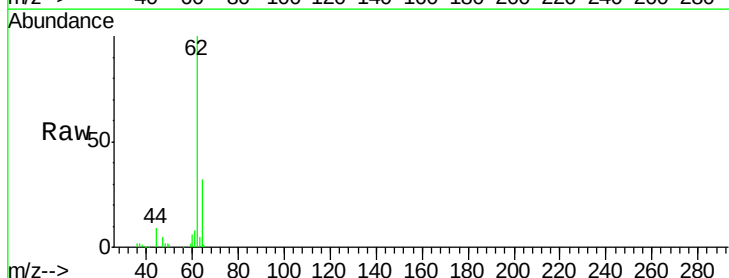
Acq: 01 Jul 2018 01:17

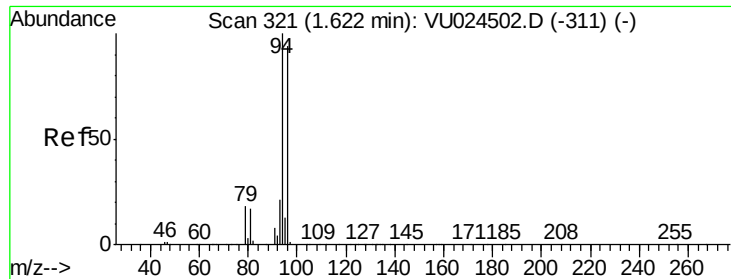
Tgt Ion: 62 Resp: 40497

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 25.16 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 94 Resp: 25996

Ion Ratio Lower Upper

94 100

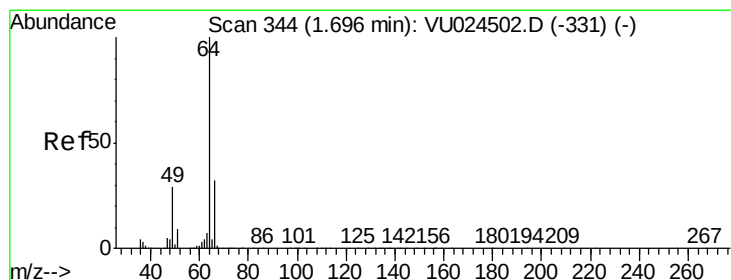
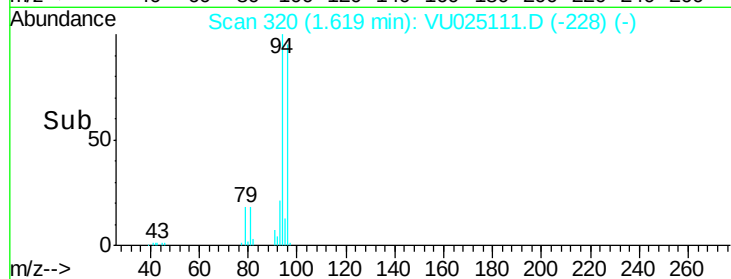
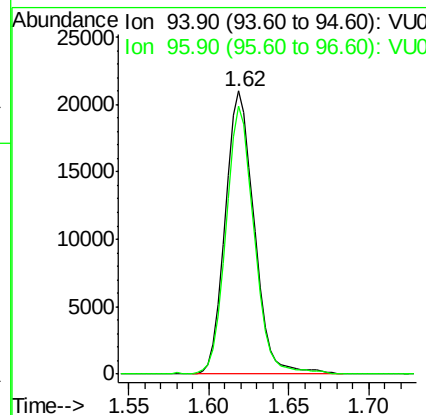
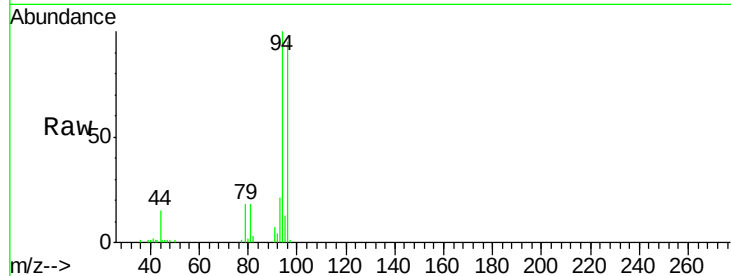
96 94.5 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 22.12 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025111.D

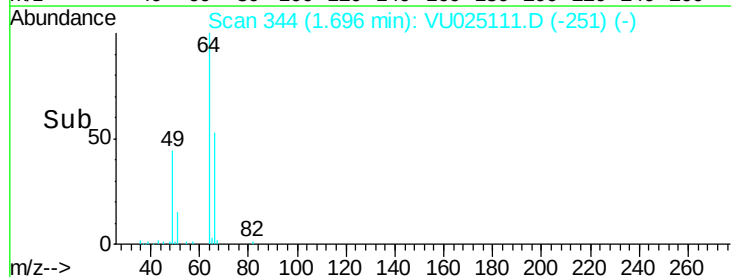
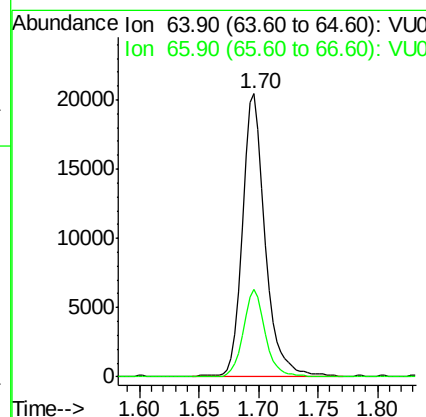
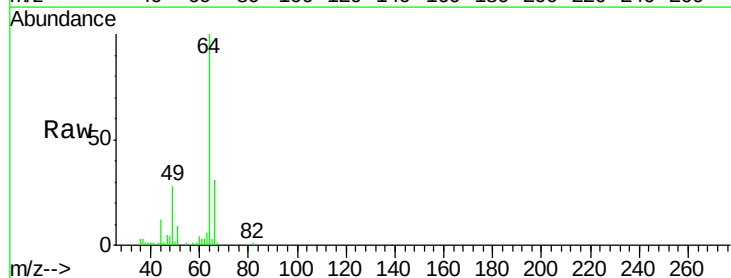
Acq: 01 Jul 2018 01:17

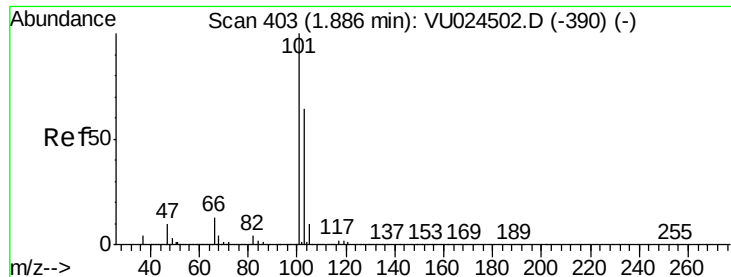
Tgt Ion: 64 Resp: 27120

Ion Ratio Lower Upper

64 100

66 30.7 25.5 38.3





#7

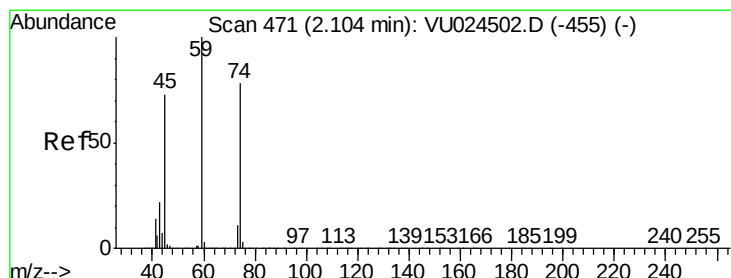
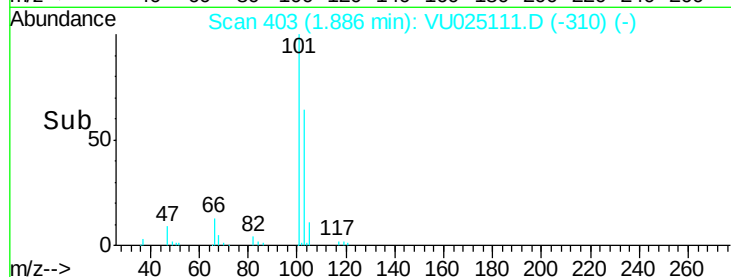
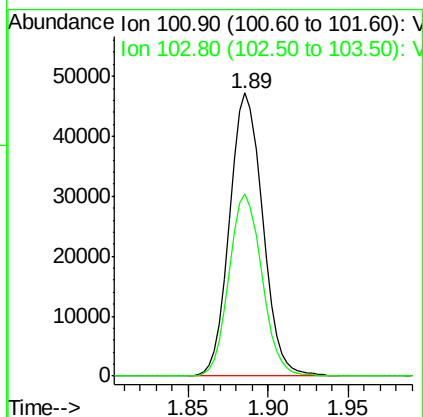
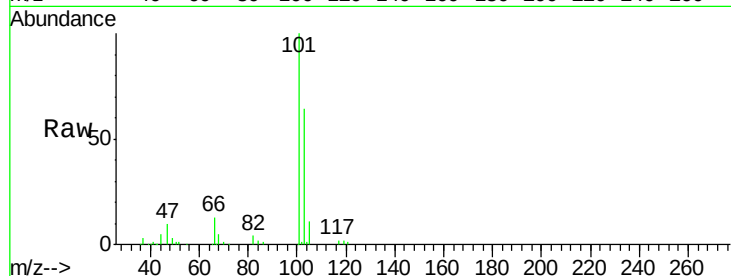
Trichlorofluoromethane
 Concen: 20.47 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
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 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.3	78.5

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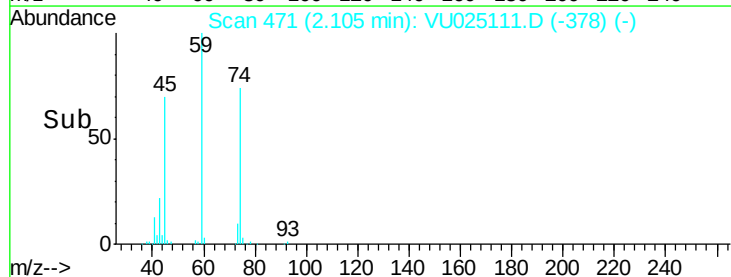
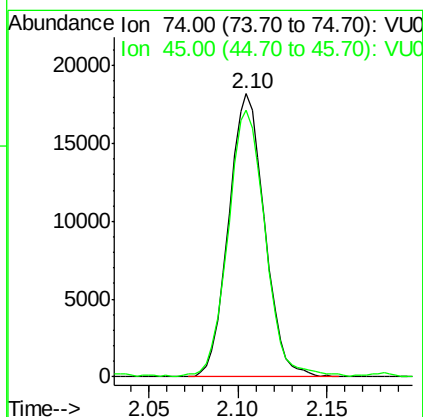
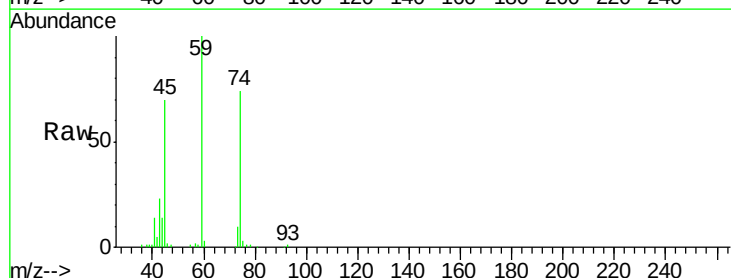
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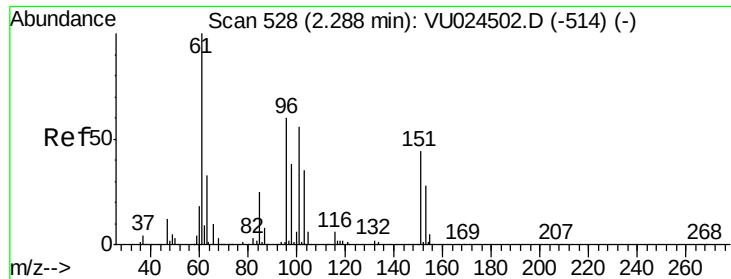


#8

Diethyl Ether
 Concen: 21.82 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.76 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

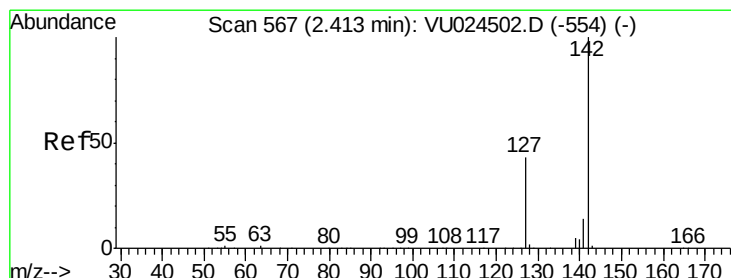
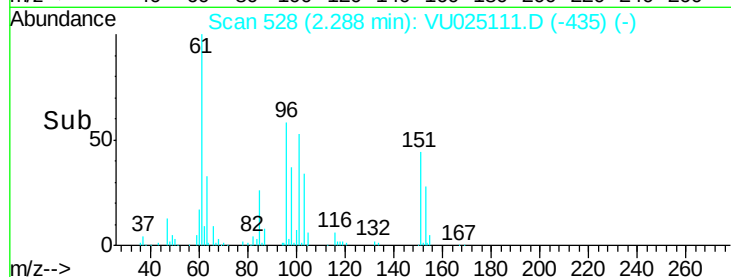
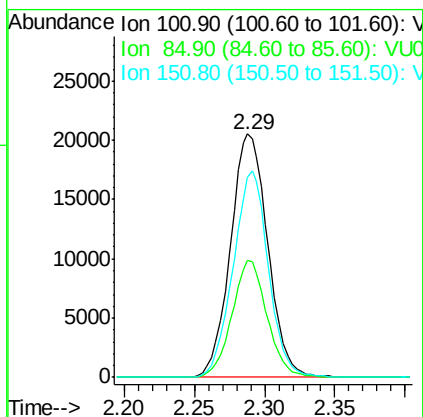
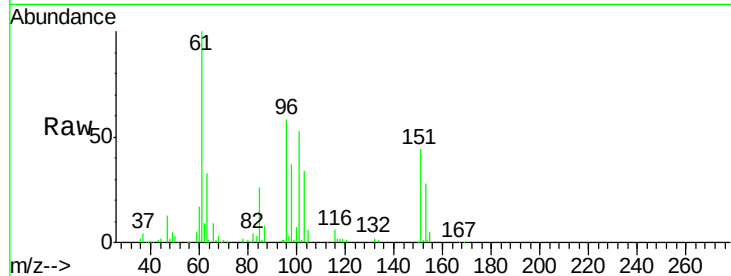
ClientSampleId :

VU0630WBS02

Tot Ion:	101	Resp:	37956
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	80.2	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 23.75 ug/l

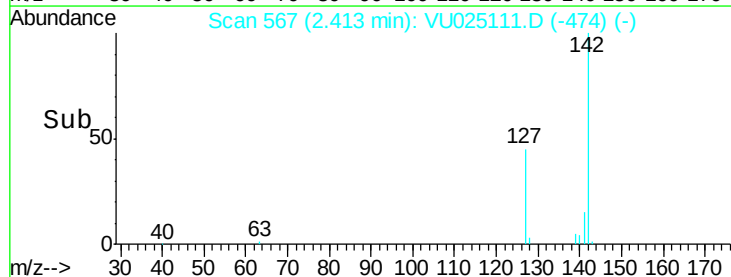
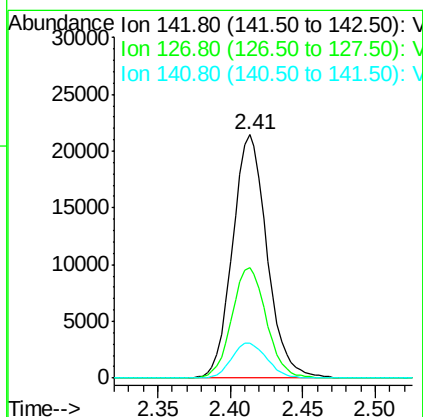
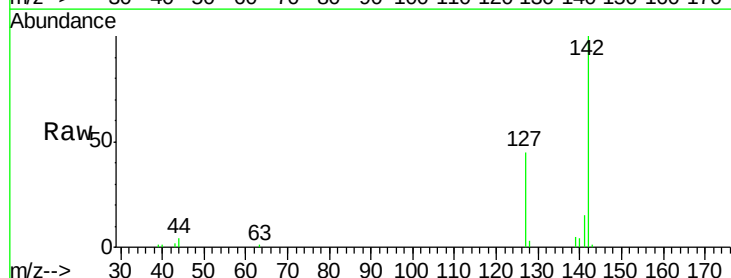
RT: 2.41 min Scan# 567

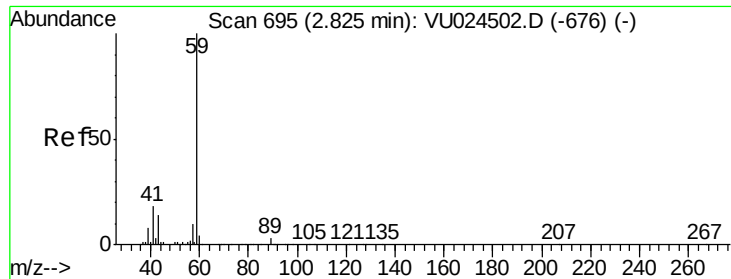
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	142	Resp:	35351
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.6	53.4
141	14.6	11.7	17.5





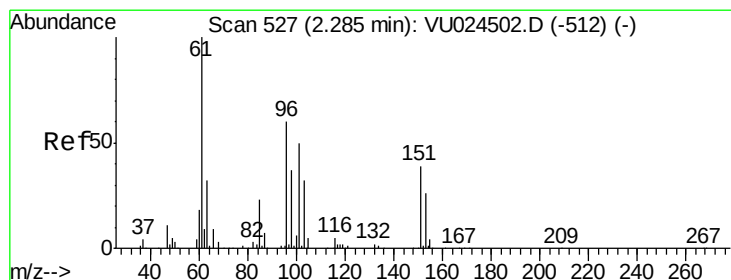
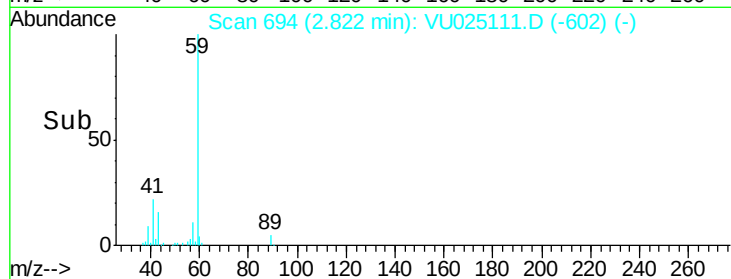
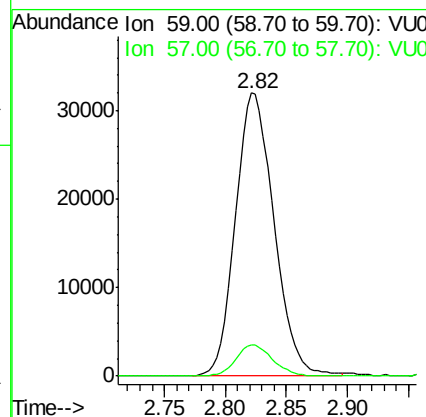
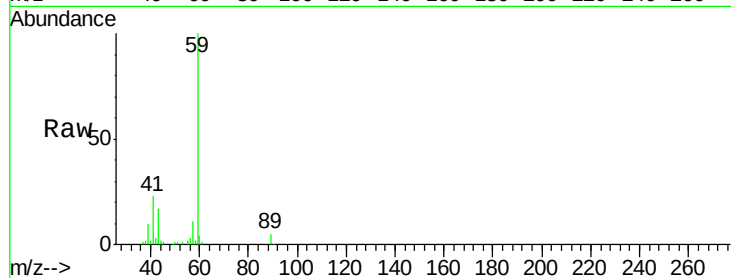
#11
Tert butyl alcohol
Concen: 109.23 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

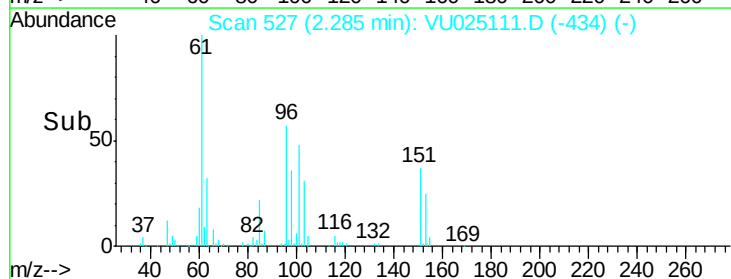
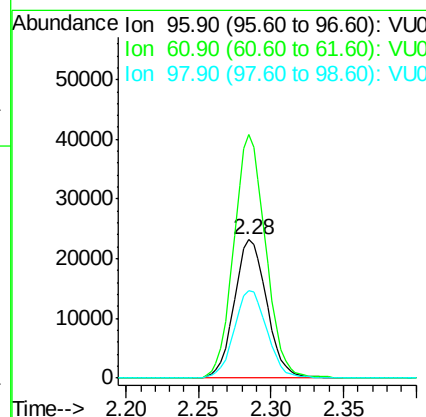
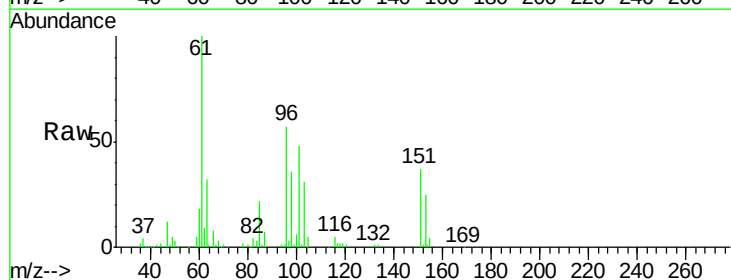
Manual Integrations
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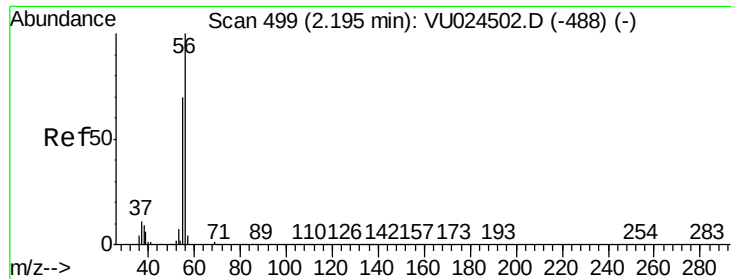
apatel
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#12
1,1-Dichloroethene
Concen: 19.63 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	141.7	212.5
98	63.7	51.6	77.4





#13

Acrolein

Concen: 59.04 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 56 Resp: 19952

Ion Ratio Lower Upper

56 100

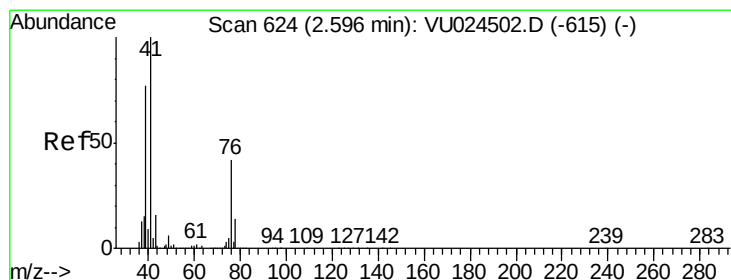
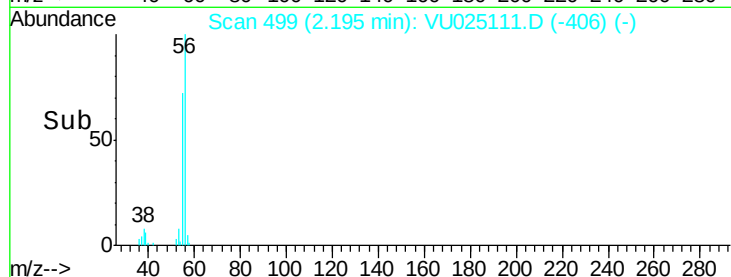
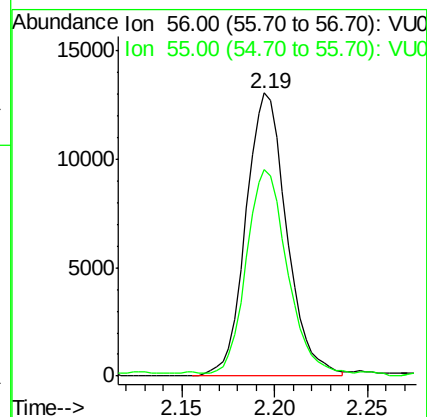
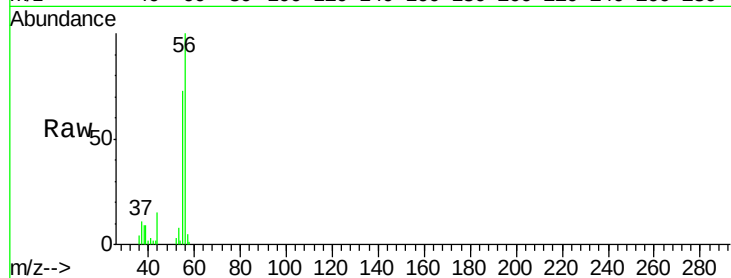
55 71.1 58.4 87.6

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#14

Allyl chloride

Concen: 17.47 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

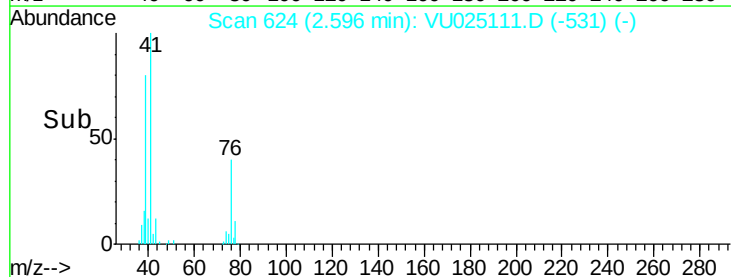
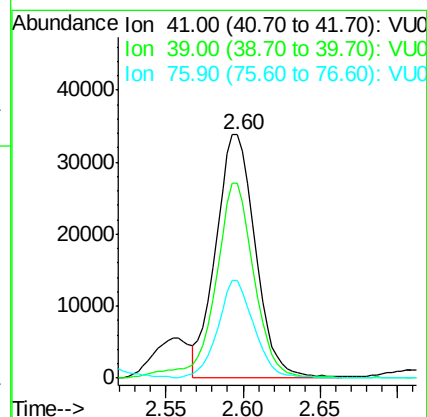
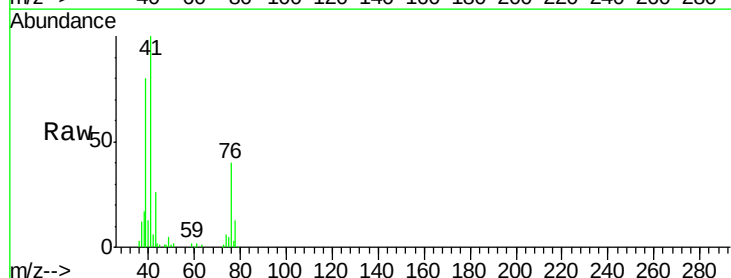
Tgt Ion: 41 Resp: 59860

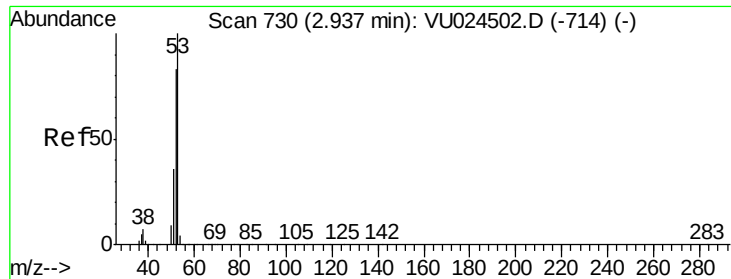
Ion Ratio Lower Upper

41 100

39 77.2 61.6 92.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 107.06 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

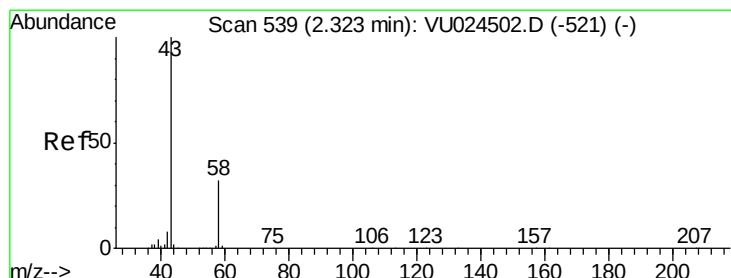
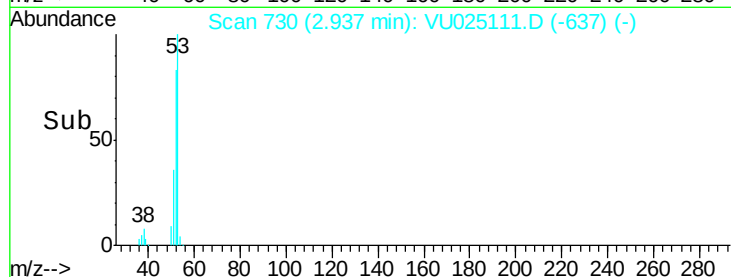
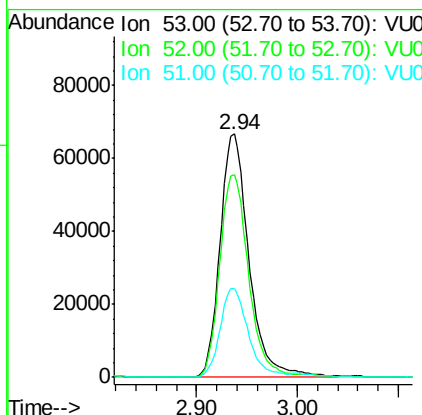
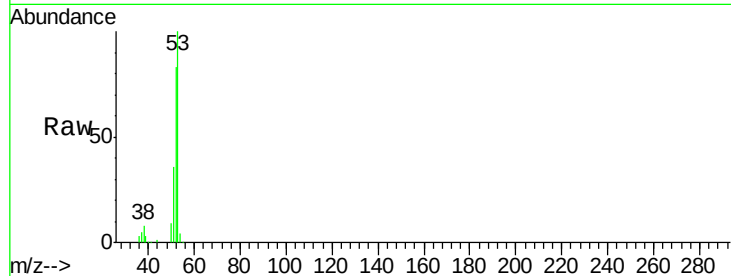
ClientSampleId :

VU0630WBS02

Tot Ion:	53	Resp:	134039
Ion	Ratio	Lower	Upper
53	100		
52	83.4	67.1	100.7
51	35.6	28.4	42.6

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#16

Acetone

Concen: 91.91 ug/l

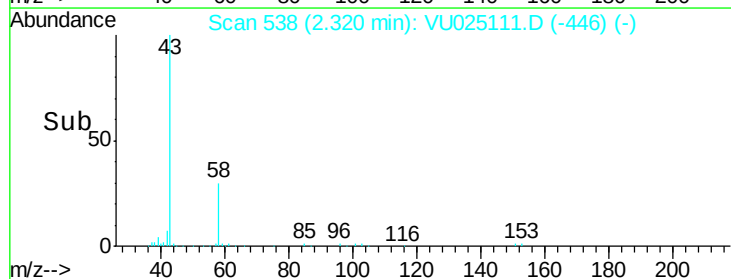
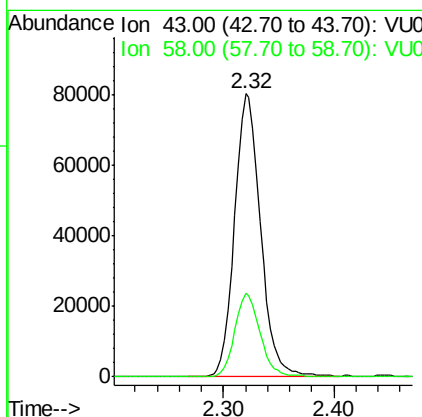
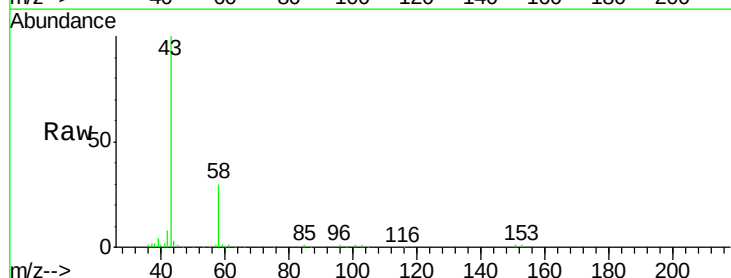
RT: 2.32 min Scan# 538

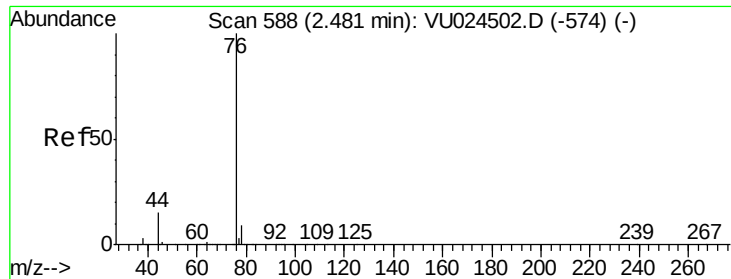
Delta R.T. -0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	43	Resp:	130660
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.4	36.6





#17

Carbon Disulfide

Concen: 16.64 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 76 Resp: 98330

Ion Ratio Lower Upper

76 100

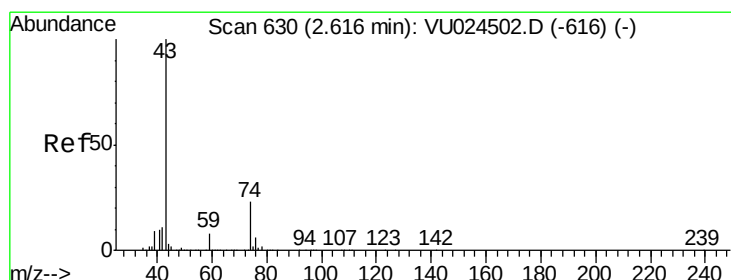
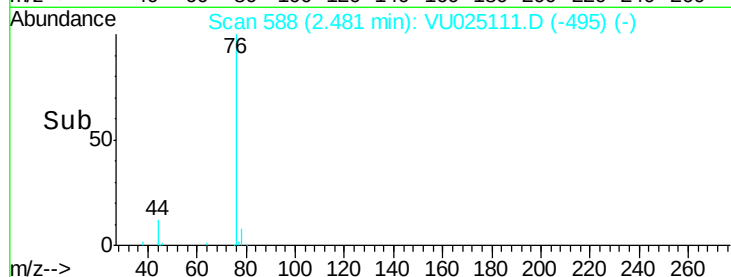
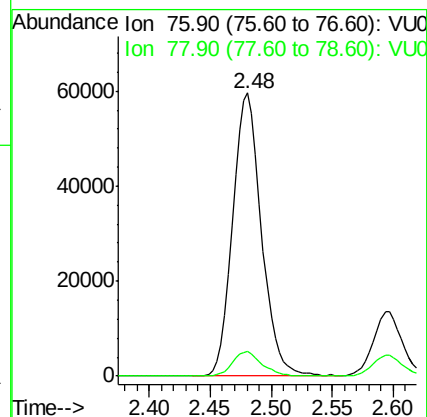
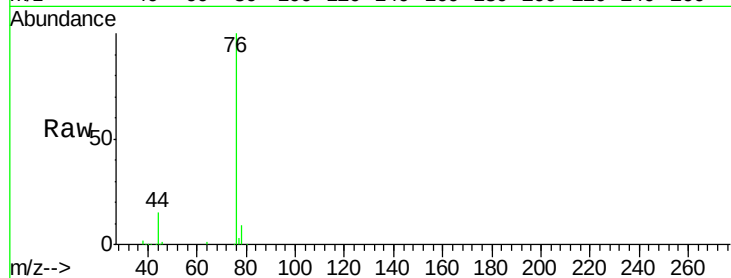
78 8.6 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 26.56 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025111.D

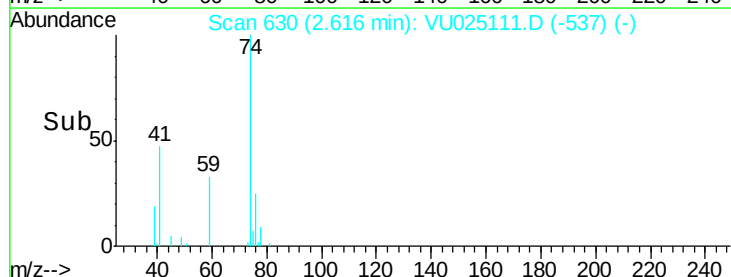
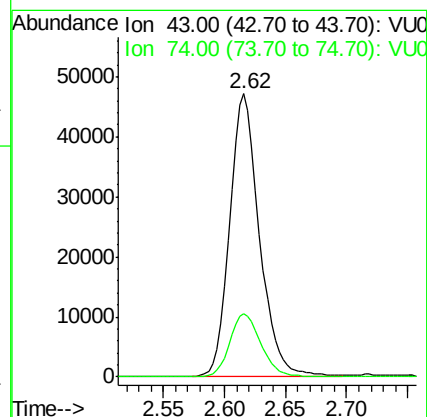
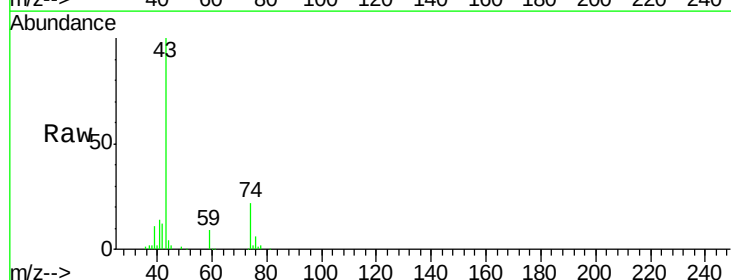
Acq: 01 Jul 2018 01:17

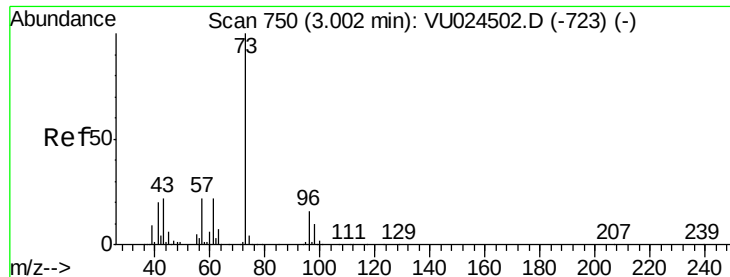
Tgt Ion: 43 Resp: 80935

Ion Ratio Lower Upper

43 100

74 23.1 18.0 27.0





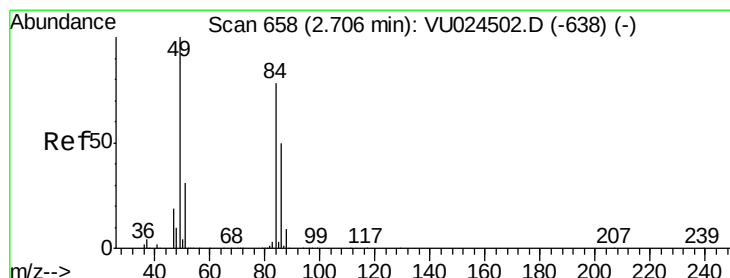
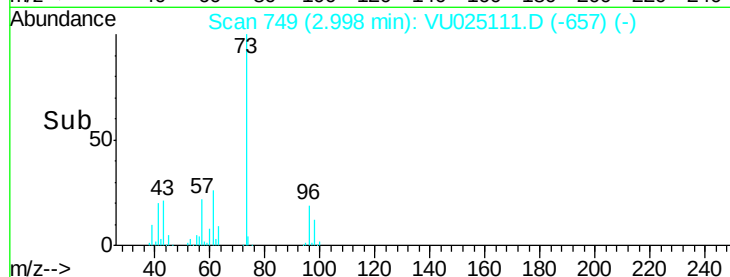
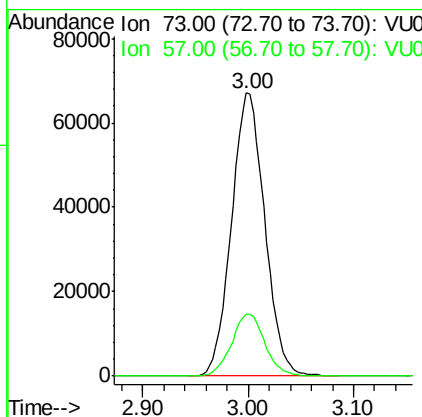
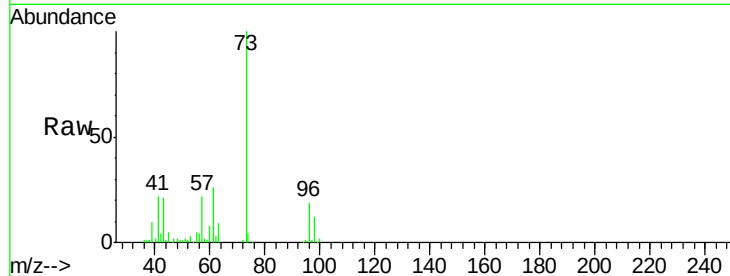
#19
Methvl tert-butvl Ether
Concen: 21.17 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.8	28.2

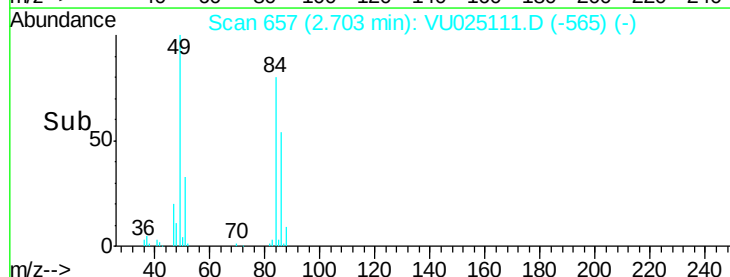
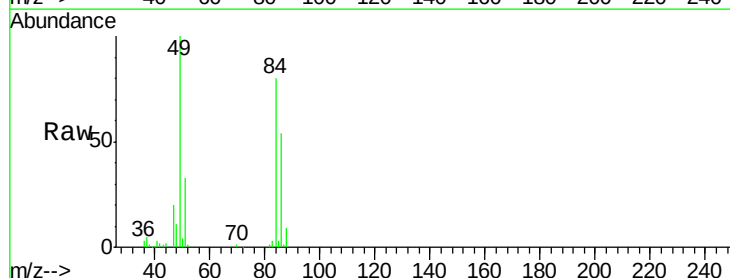
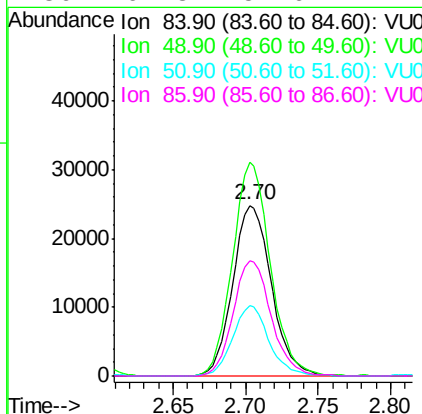
Manual Integrations
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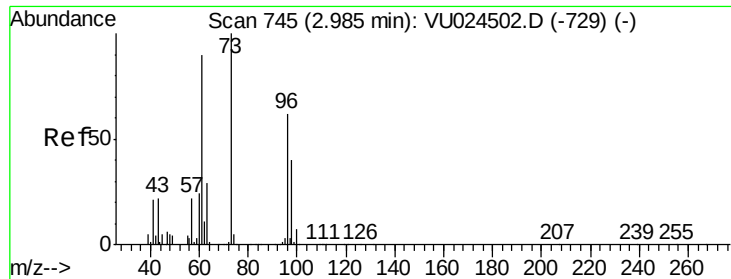
apatel
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#20
Methylene Chloride
Concen: 20.58 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.1	103.8	155.8
51	41.2	32.0	48.0
86	67.3	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 19.42 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

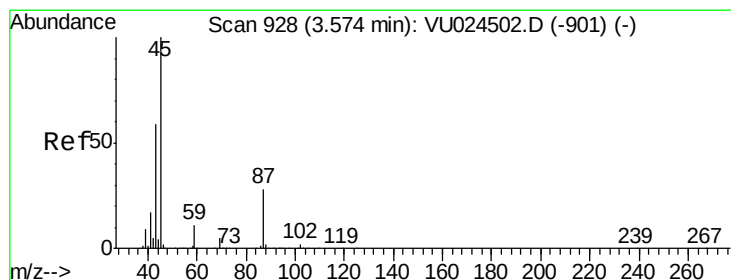
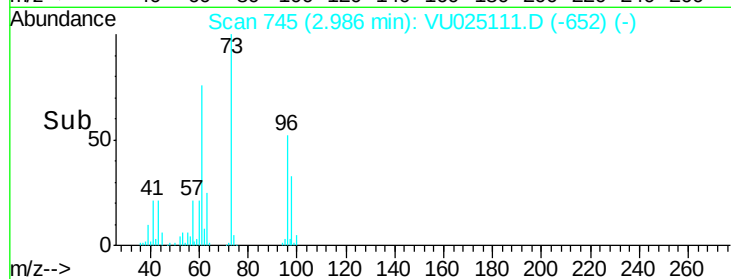
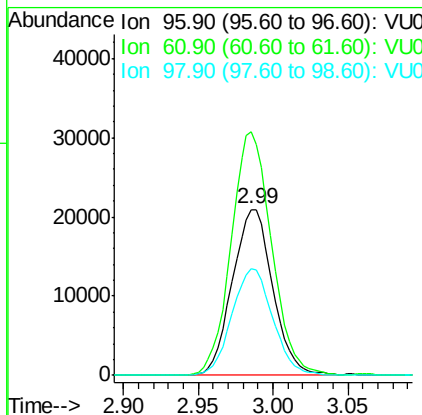
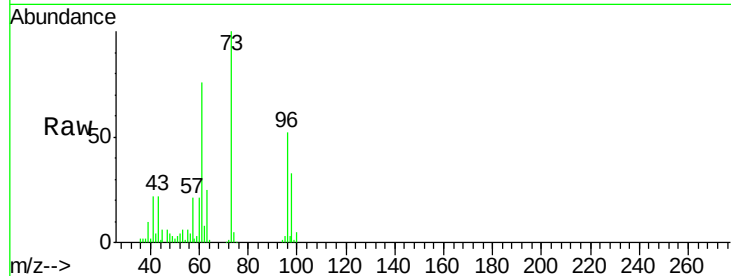
ClientSampleId :

VU0630WBS02

Tot Ion:	96	Resp:	39466
Ion Ratio	Lower	Upper	
96	100		
61	146.9	119.4	179.0
98	64.4	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.59 ug/l

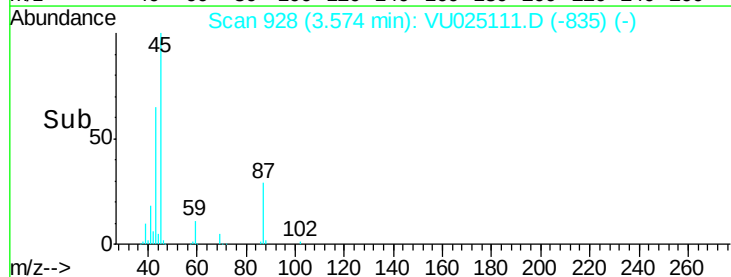
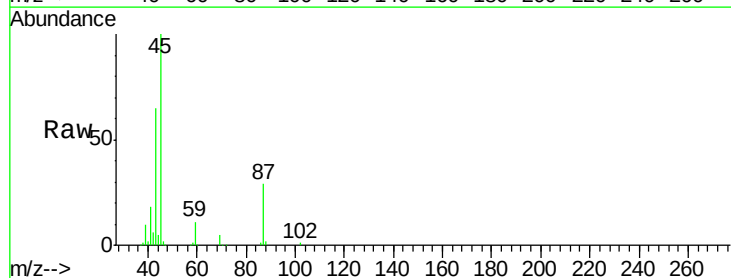
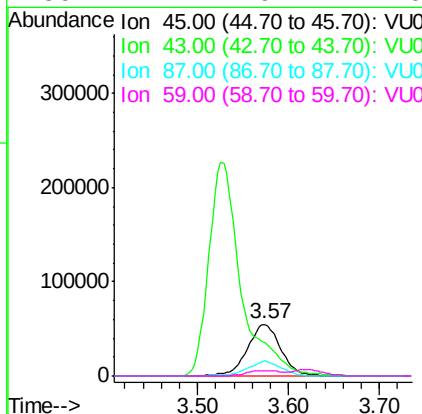
RT: 3.57 min Scan# 928

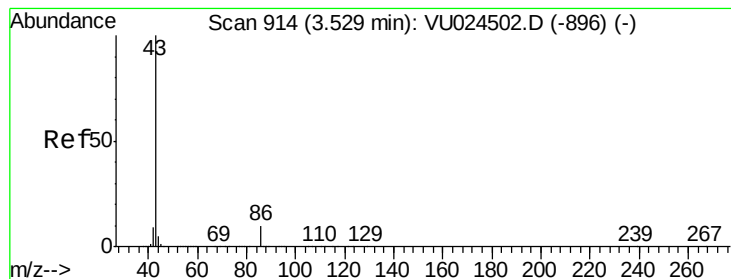
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	45	Resp:	139858
Ion Ratio	Lower	Upper	
45	100		
43	62.8	45.8	68.6
87	29.0	20.6	31.0
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 92.60 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 43 Resp: 563491

Ion Ratio Lower Upper

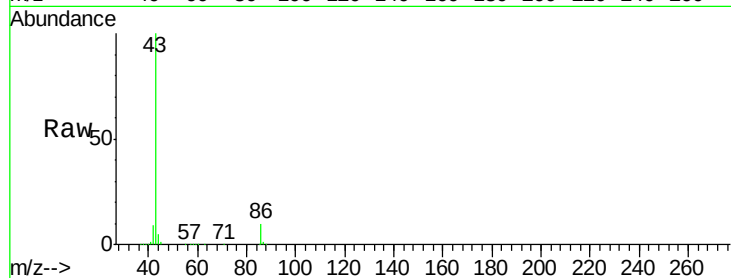
43 100

86 10.0 7.8 11.8

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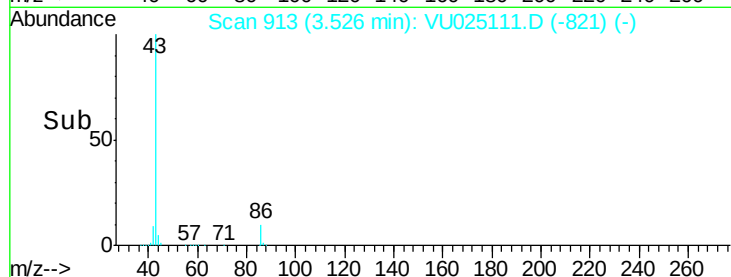
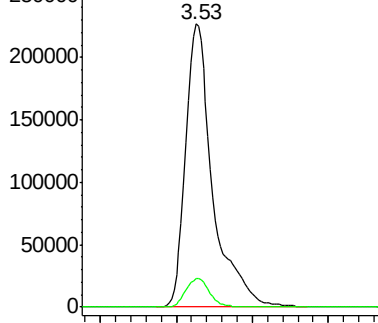
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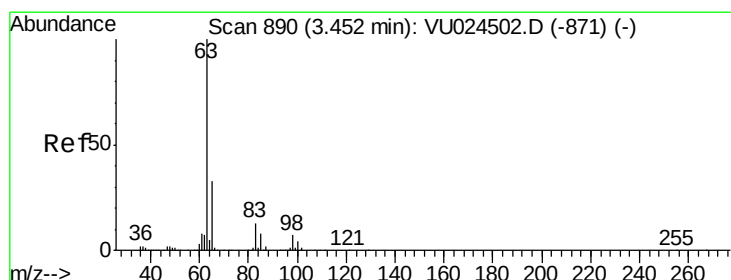


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



Time-->



#24

1,1-Dichloroethane

Concen: 20.25 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

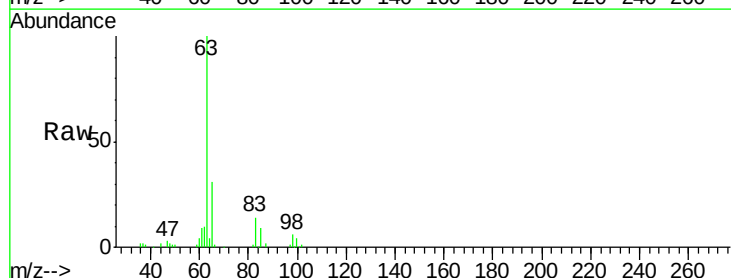
Tgt Ion: 63 Resp: 79149

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.4

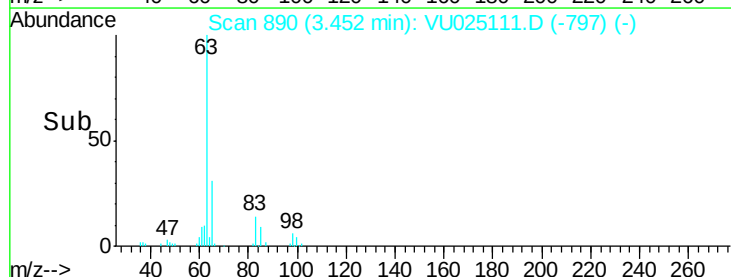
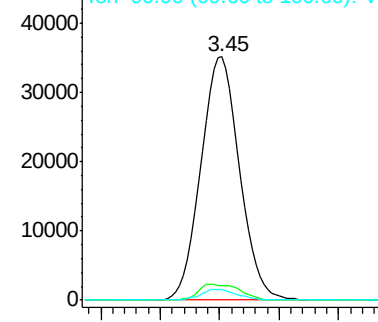
100 4.4 1.8 5.5



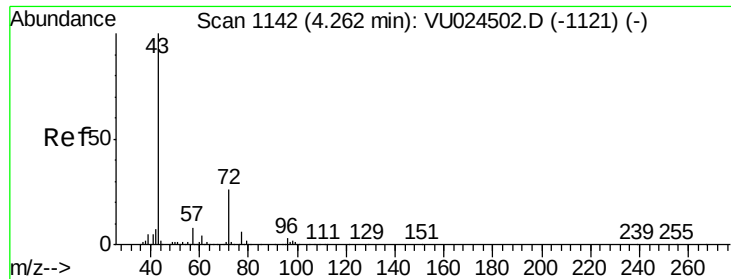
Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



Time-->



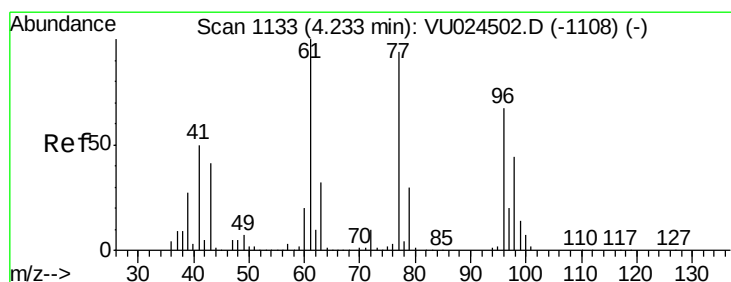
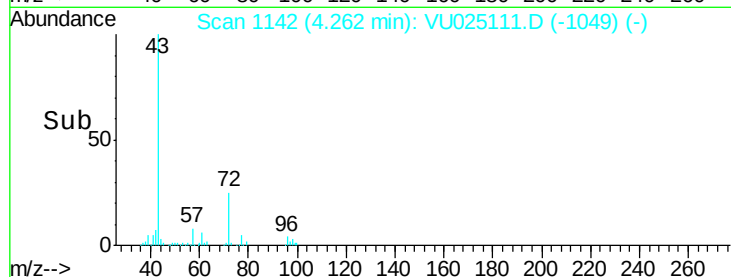
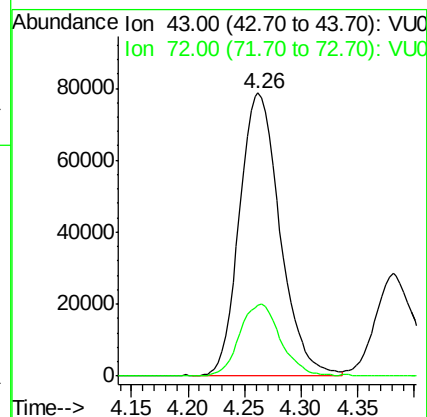
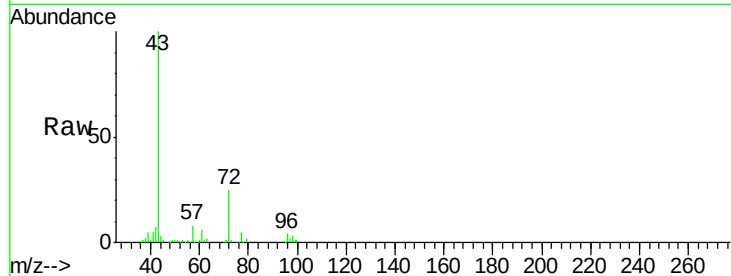
#25
2-Butanone
Concen: 102.40 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion: 43 Resp: 19555
Ion Ratio Lower Upper
43 100
72 25.1 19.6 29.4

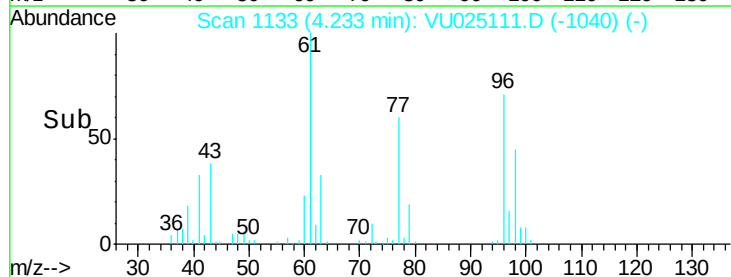
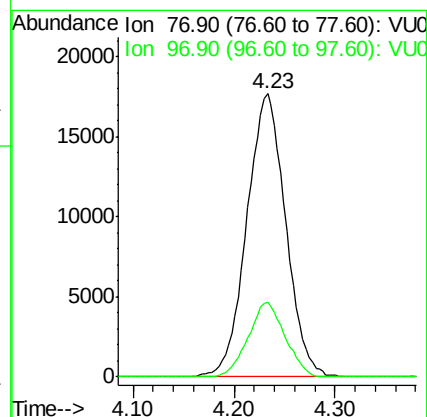
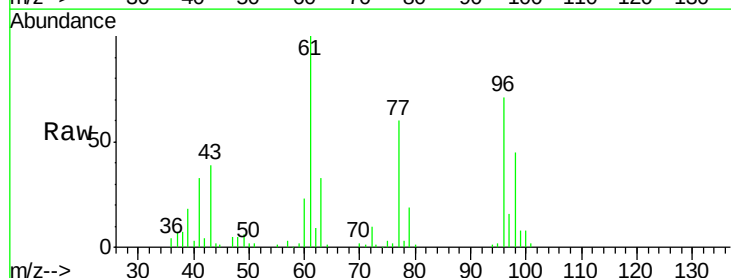
Manual Integrations
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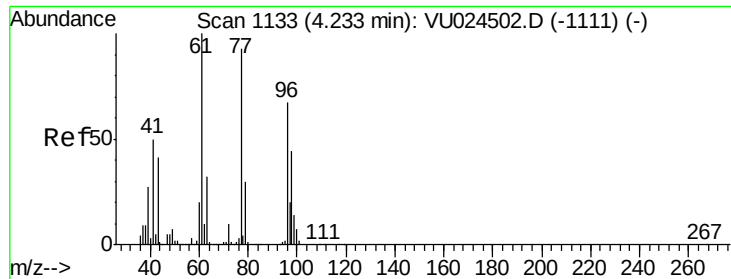
apatel
7/2/2018 4:16:42 PM



#26
2,2-Dichloropropane
Concen: 12.71 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion: 77 Resp: 47155
Ion Ratio Lower Upper
77 100
97 24.9 11.3 33.8





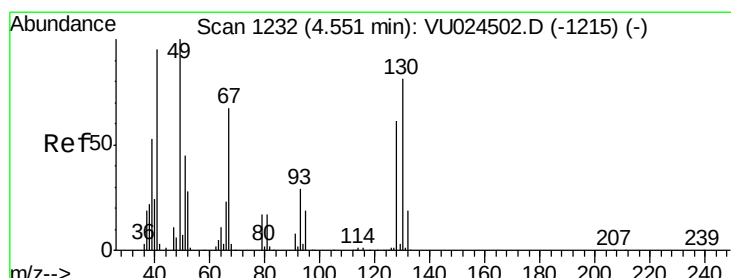
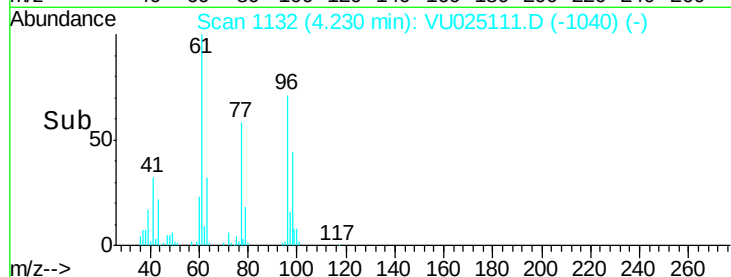
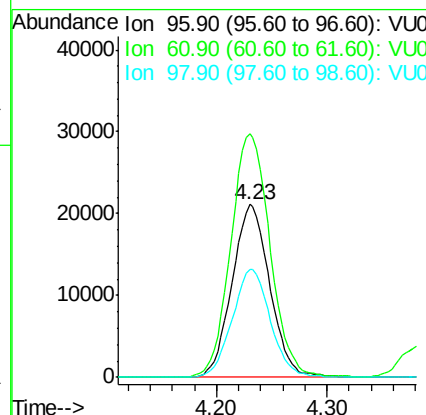
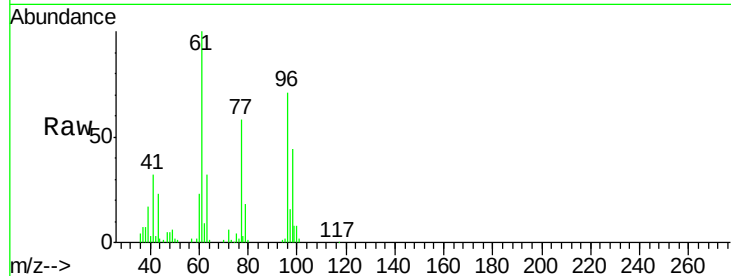
#27
 cis-1,2-Dichloroethene
 Concen: 21.46 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	306.6
98	63.0	0.0	128.8

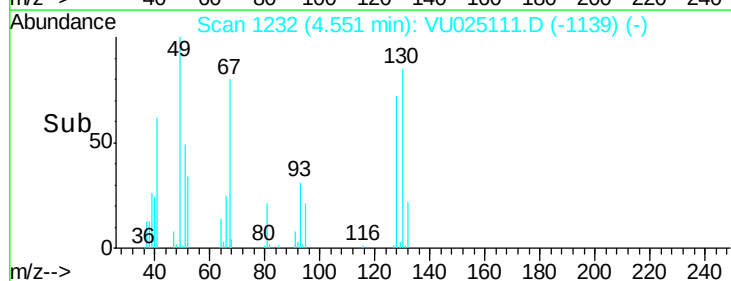
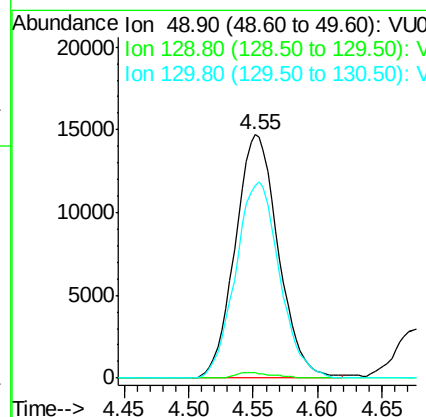
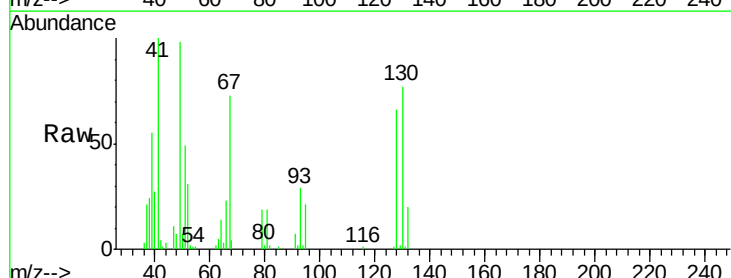
Manual Integrations
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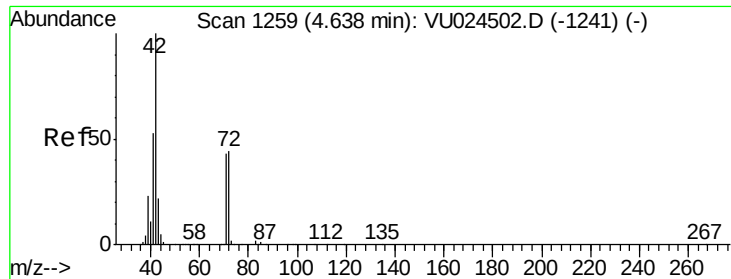
apatel
 7/2/2018 4:16:42 PM



#28
 Bromochloromethane
 Concen: 19.85 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	82.2	57.8	86.6





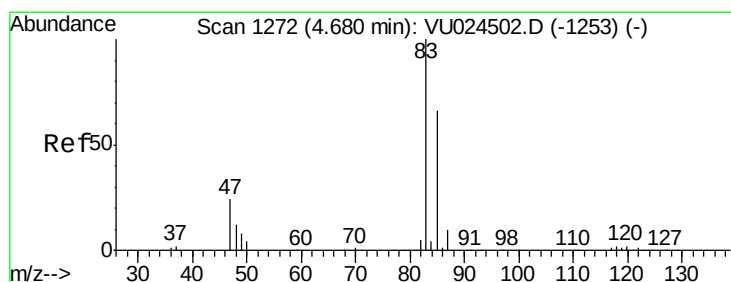
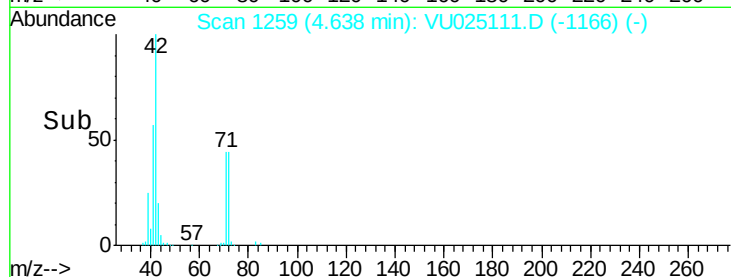
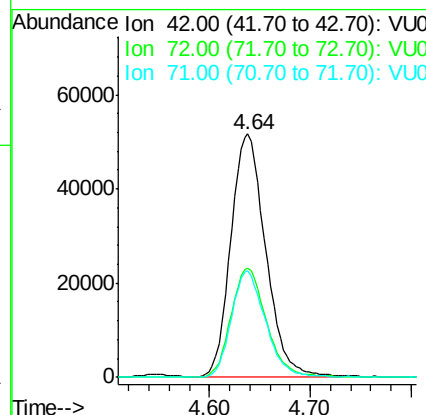
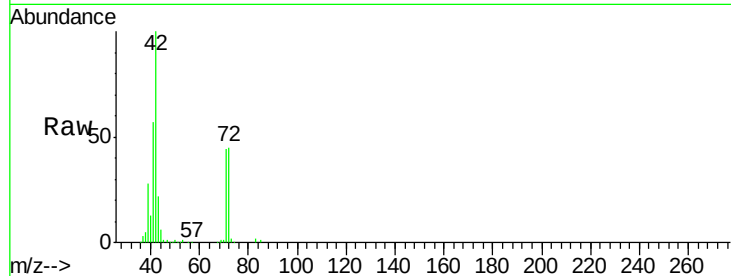
#29
Tetrahydrofuran
Concen: 105.46 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	42.6	32.2	48.4

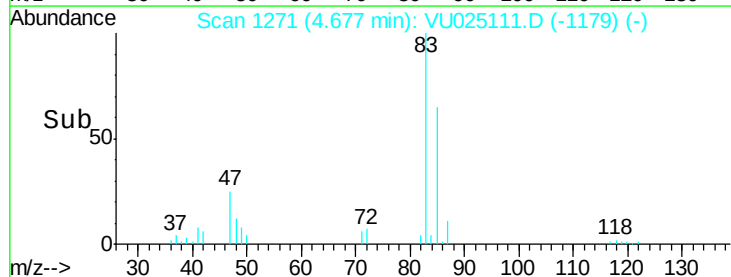
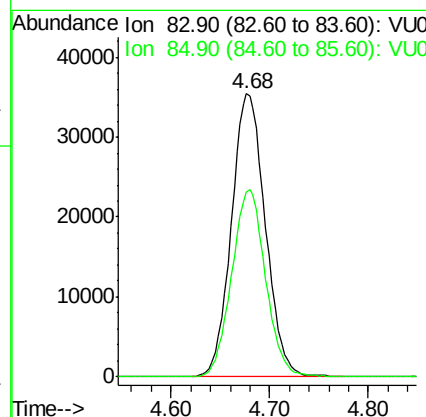
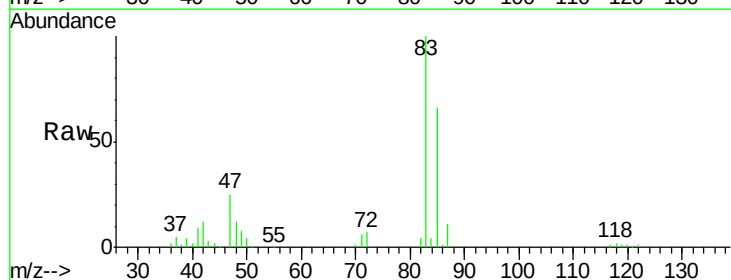
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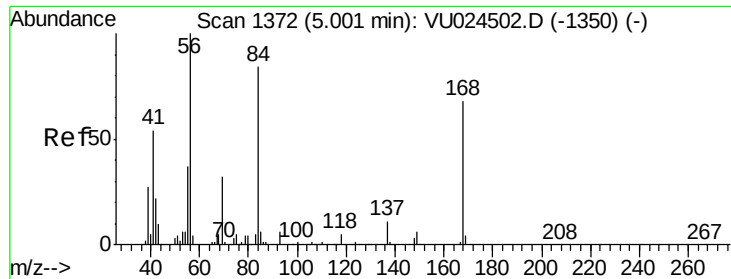
apatel
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#30
Chloroform
Concen: 21.44 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





#31

Cyclohexane

Concen: 19.36 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

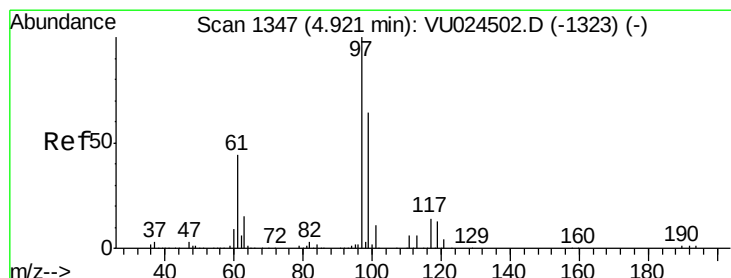
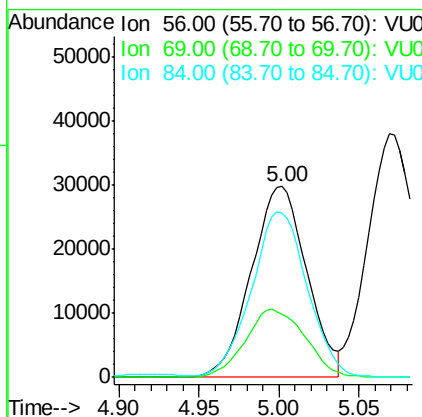
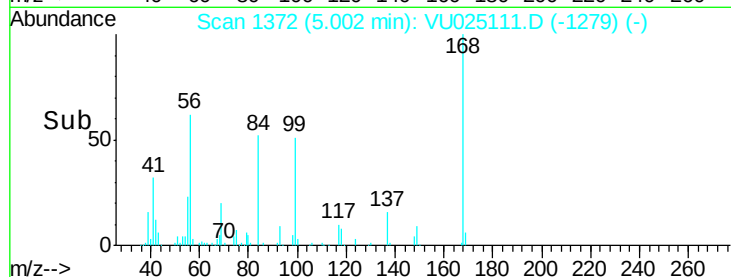
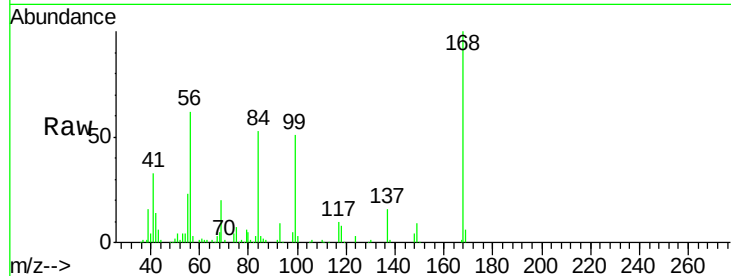
ClientSampleId :

VU0630WBS02

Tot Ion:	56	Resp:	71384
Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.8	37.2
84	85.1	65.2	97.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.29 ug/l

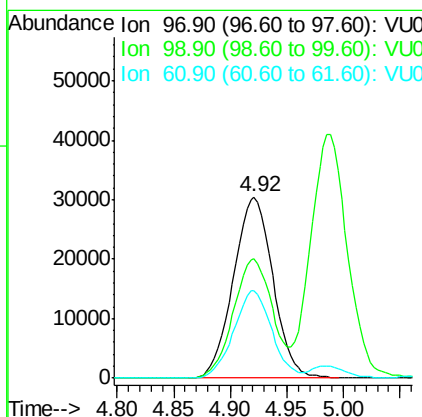
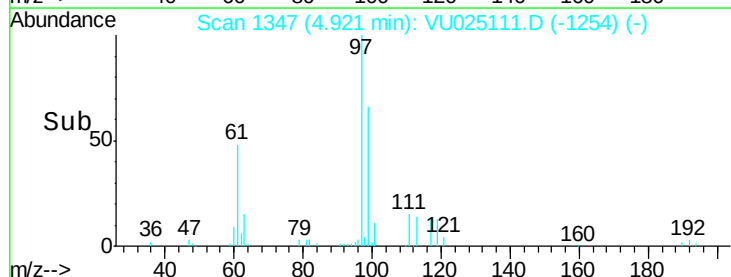
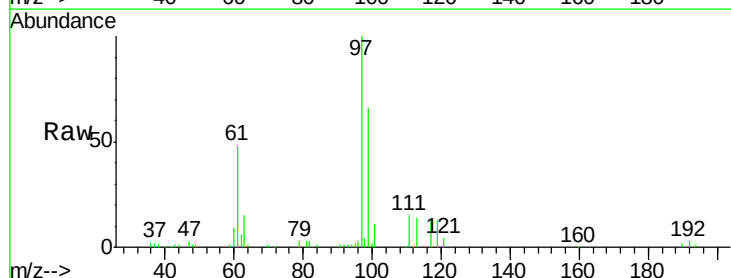
RT: 4.92 min Scan# 1347

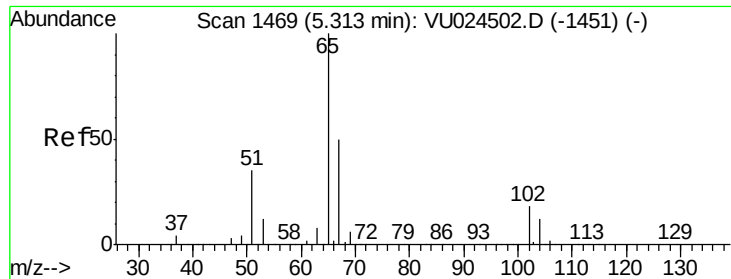
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	97	Resp:	74227
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.0	76.6
61	46.1	39.4	59.0





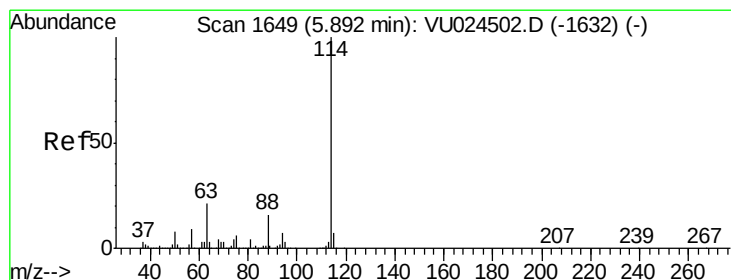
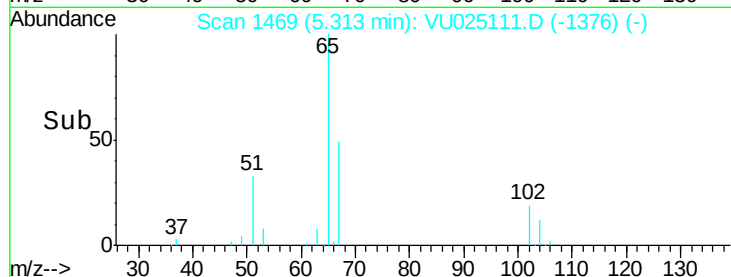
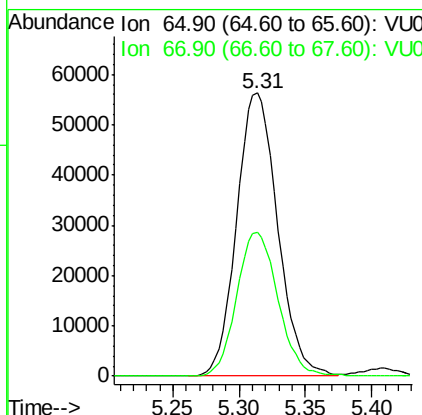
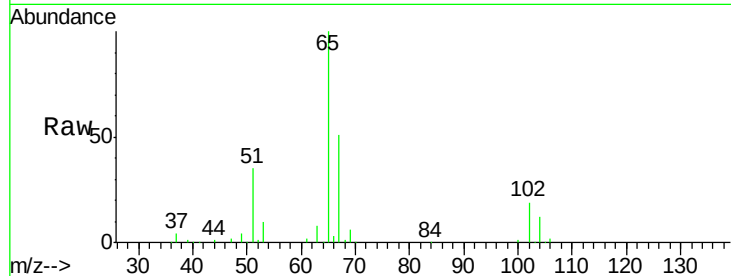
#33
 1,2-Dichloroethane-d4
 Concen: 45.69 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	107.0

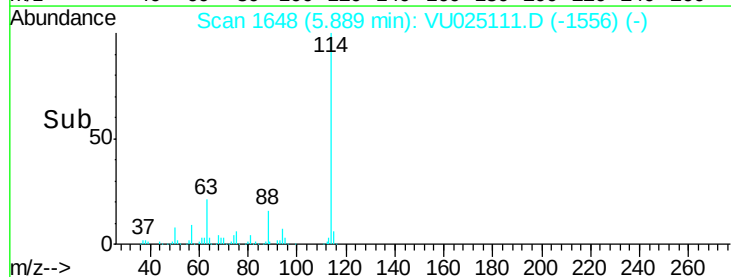
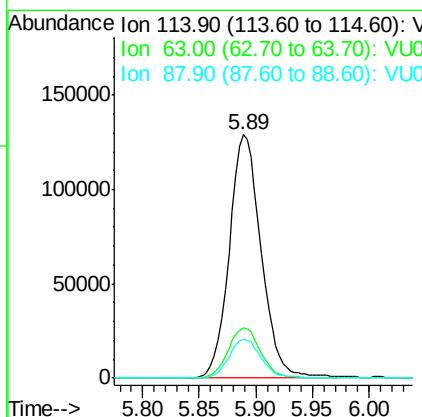
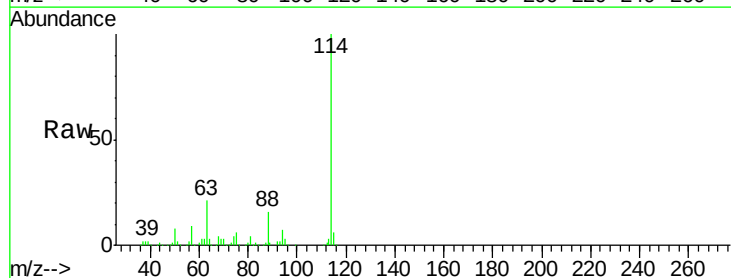
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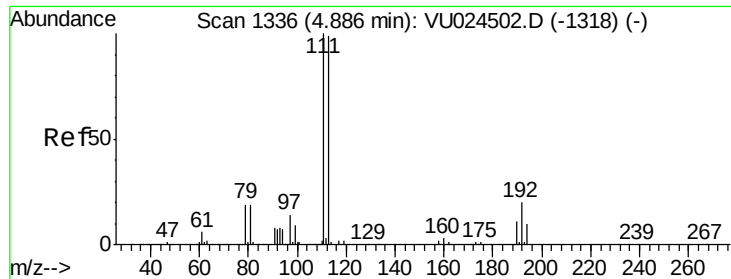
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	45.4
88	15.8	0.0	31.0





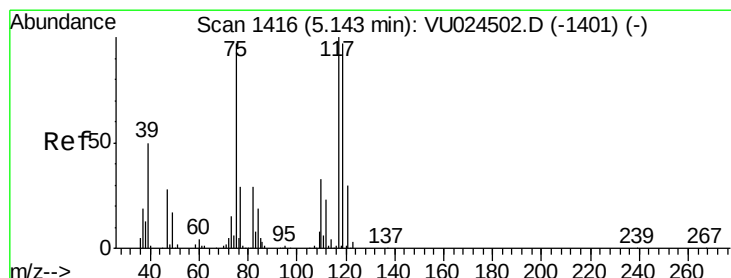
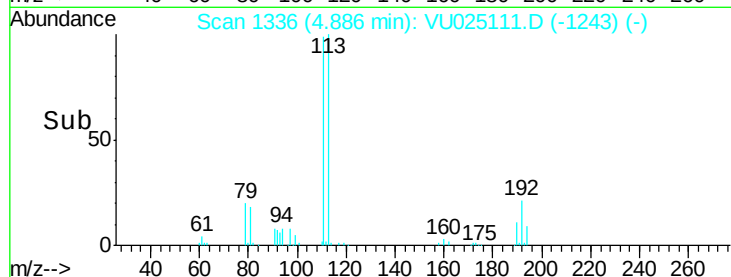
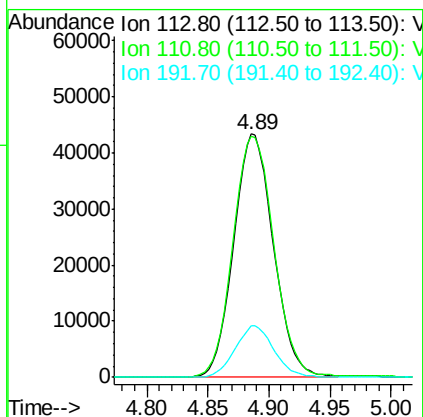
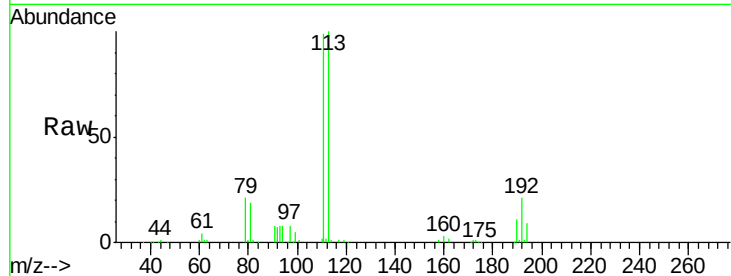
#35
 Dibromofluoromethane
 Concen: 46.47 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	20.6	16.2	24.4

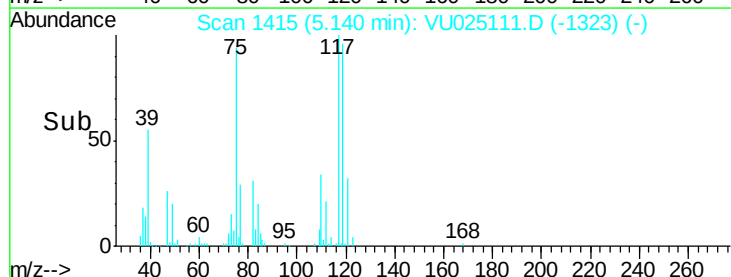
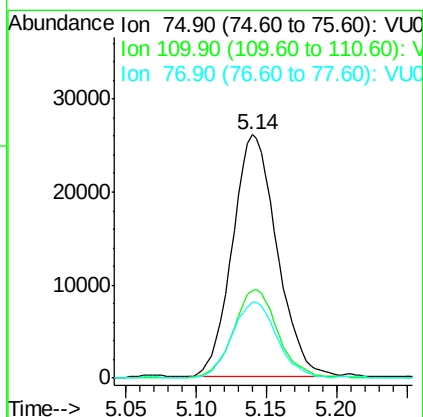
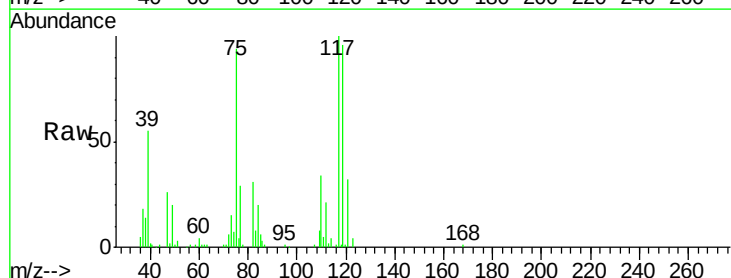
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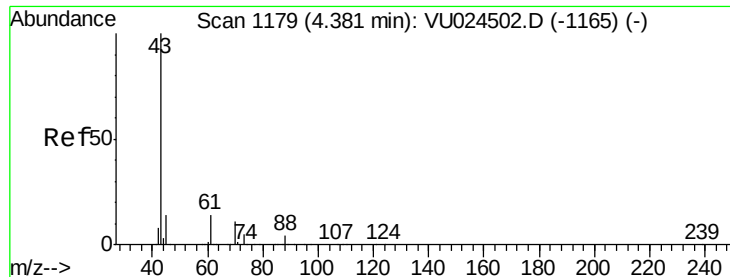
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.41 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.0	50.9
77	31.7	24.2	36.4





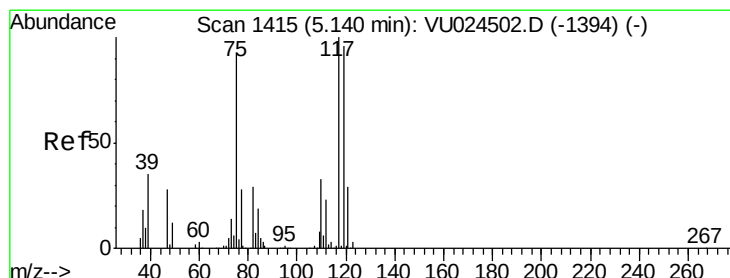
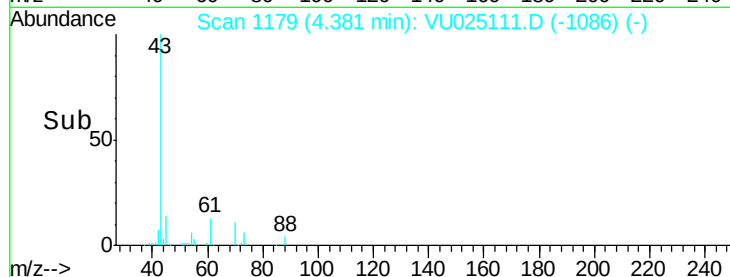
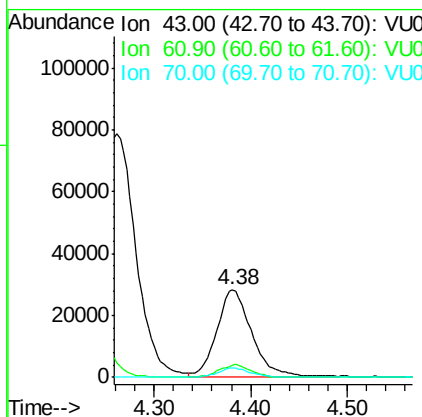
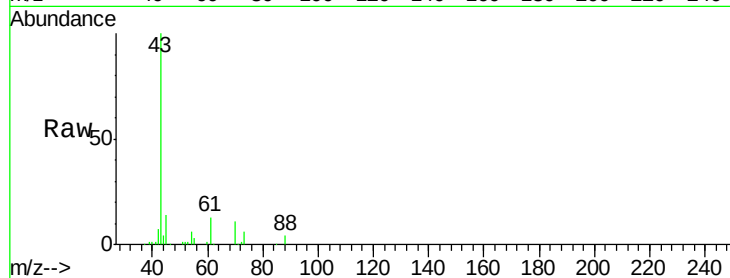
#37
Ethyl Acetate
Concen: 21.41 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.5	7.4	11.2

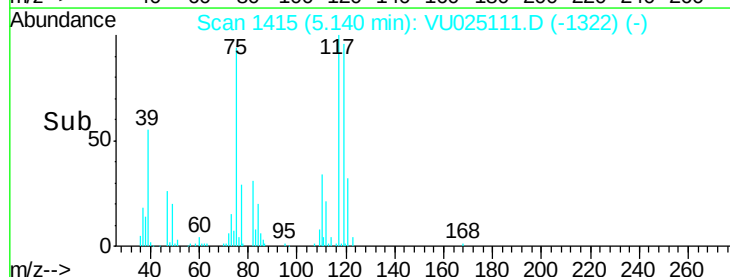
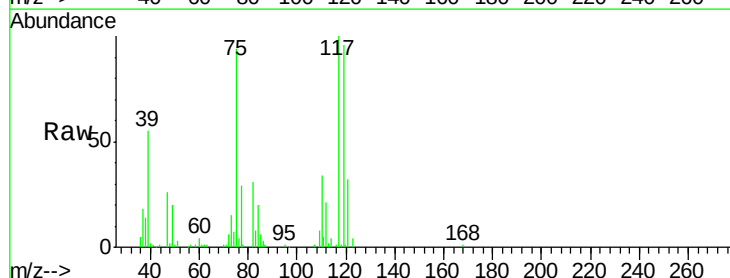
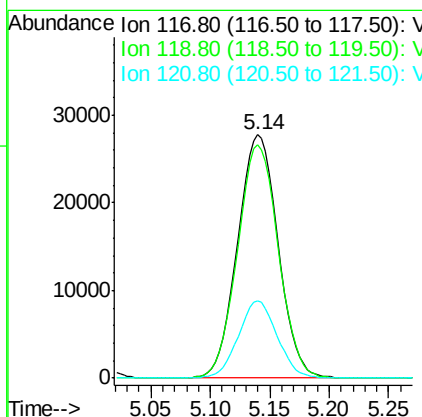
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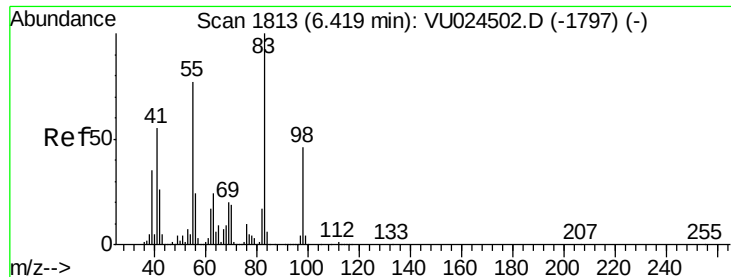
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#38
Carbon Tetrachloride
Concen: 19.99 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.1	114.1
121	31.6	23.7	35.5





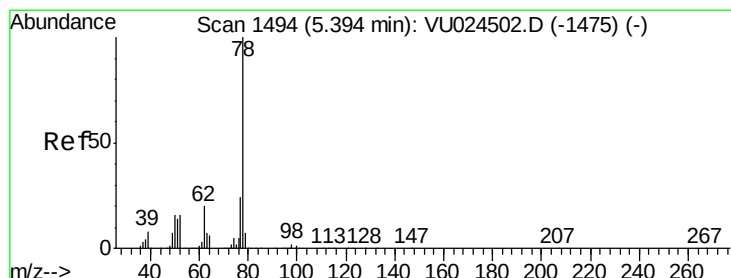
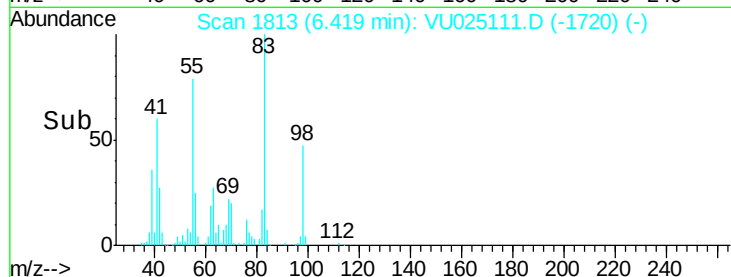
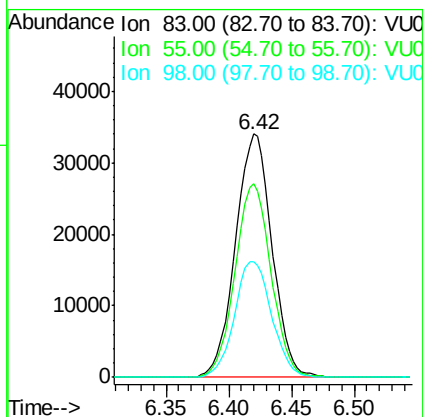
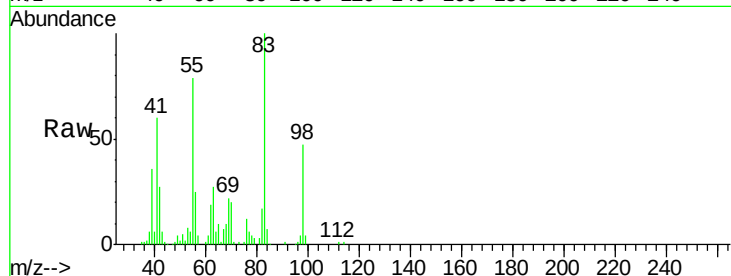
#39
Methylvlcyclohexane
Concen: 18.56 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.5	65.8	98.6
98	47.5	36.7	55.1

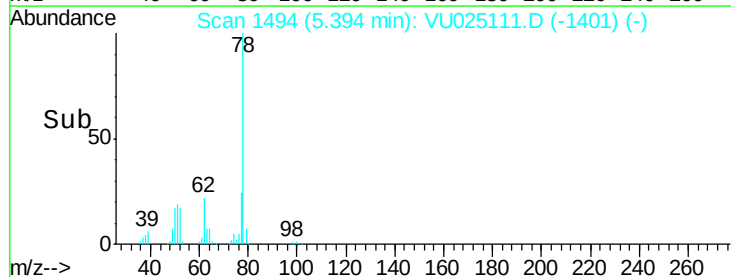
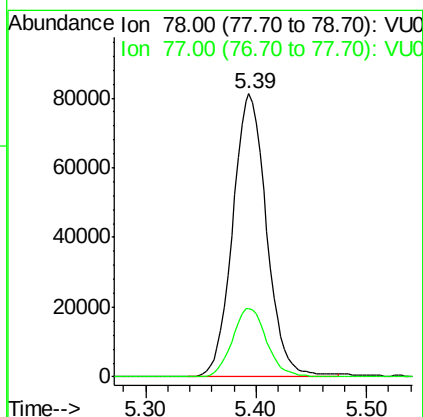
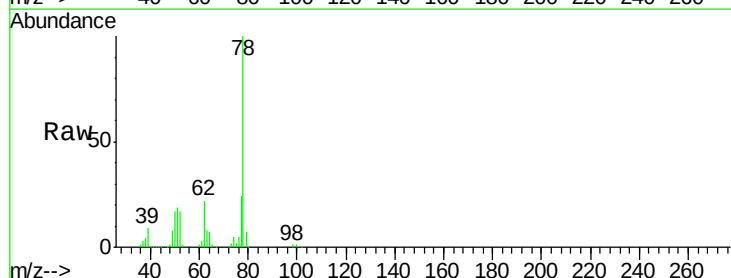
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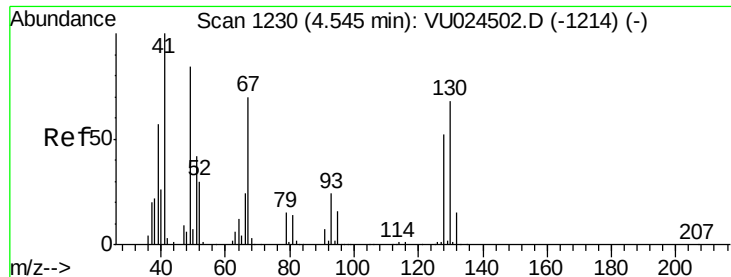
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#40
Benzene
Concen: 20.41 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





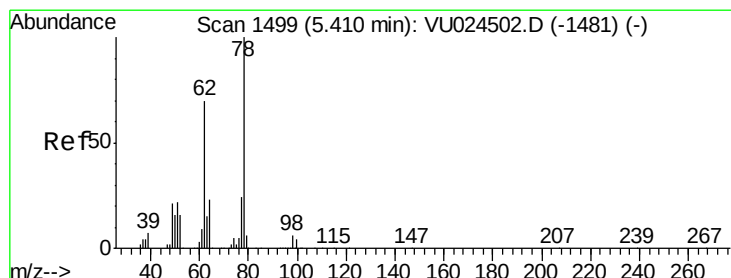
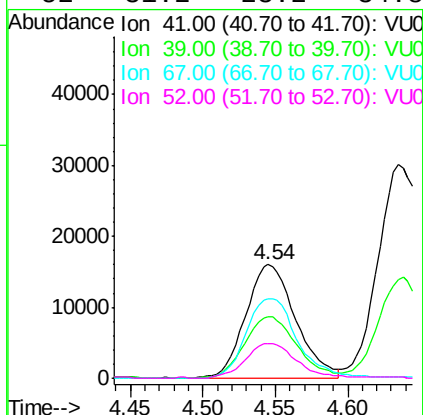
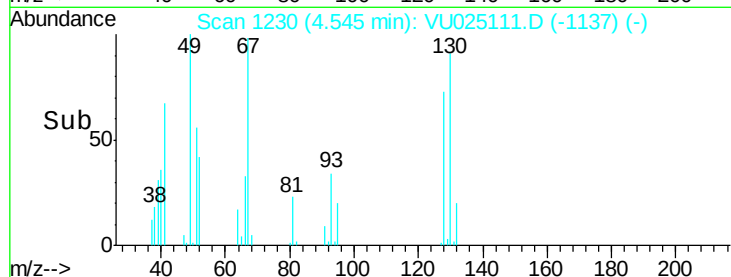
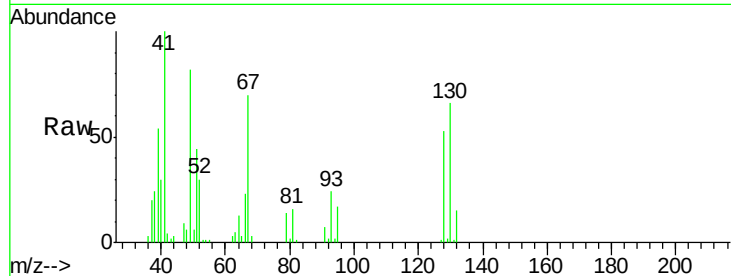
#41
Methacrylonitrile
Concen: 21.97 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	43.8	65.6	
67	72.1	56.3	84.5	
52	31.2	23.2	34.8	

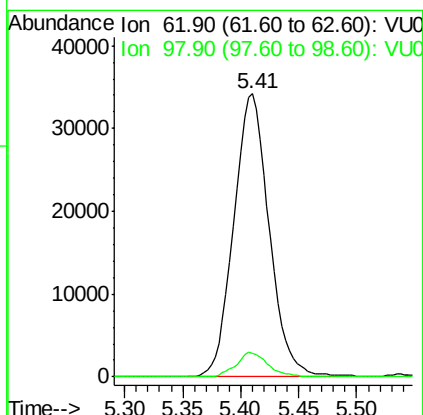
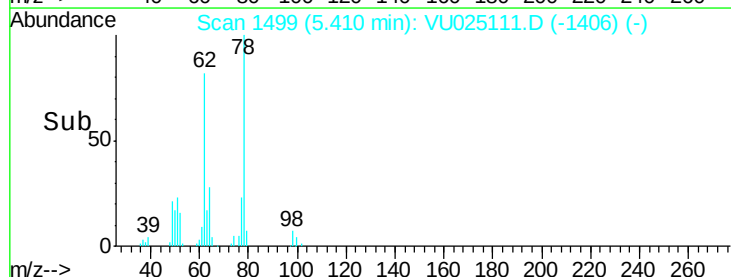
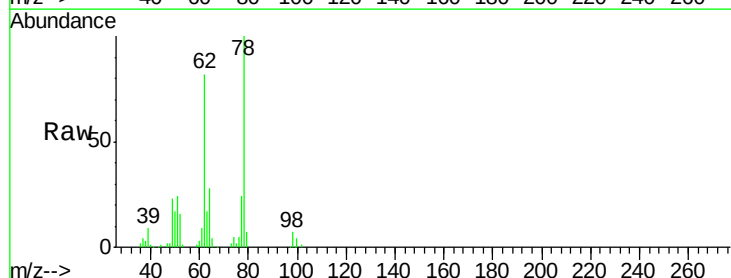
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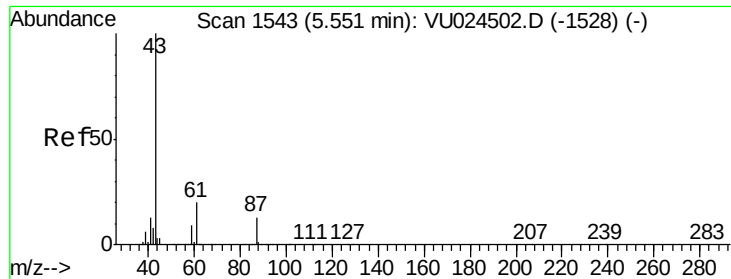
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#42
1,2-Dichloroethane
Concen: 22.39 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 19.97 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

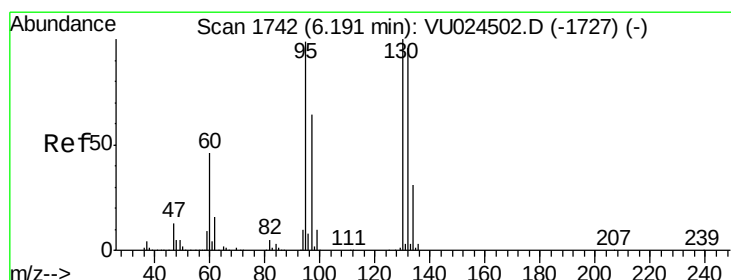
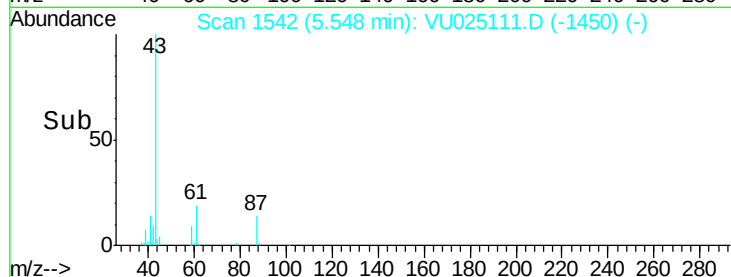
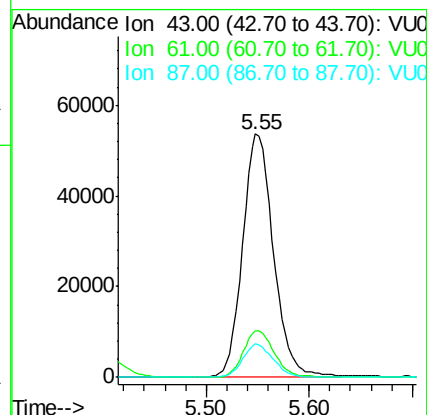
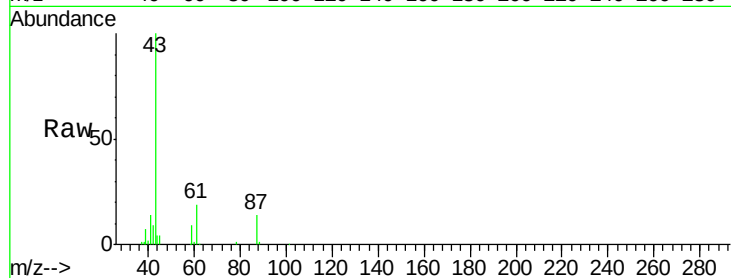
ClientSampleId :

VU0630WBS02

Tot Ion:	43	Resp:	111978
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.4	23.0
87	13.4	10.0	15.0

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#44

Trichloroethene

Concen: 20.24 ug/l

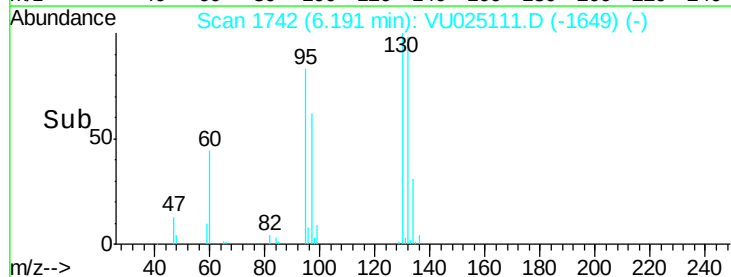
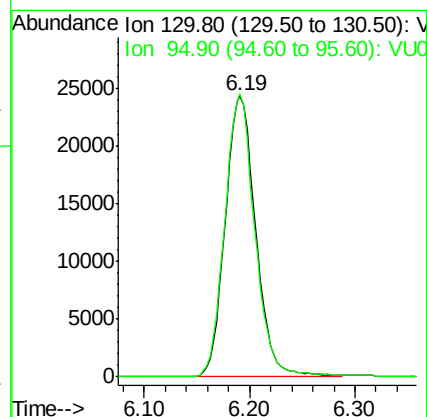
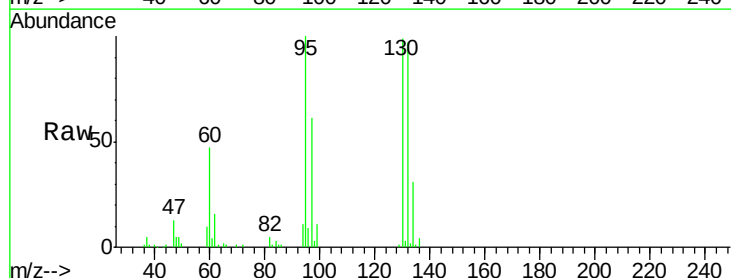
RT: 6.19 min Scan# 1742

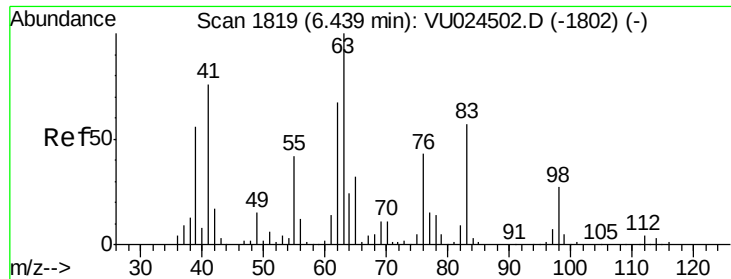
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	130	Resp:	48851
Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	202.4





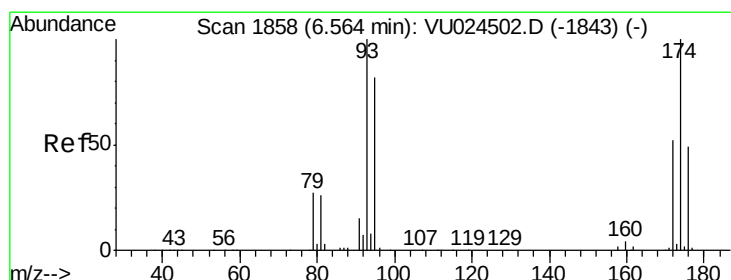
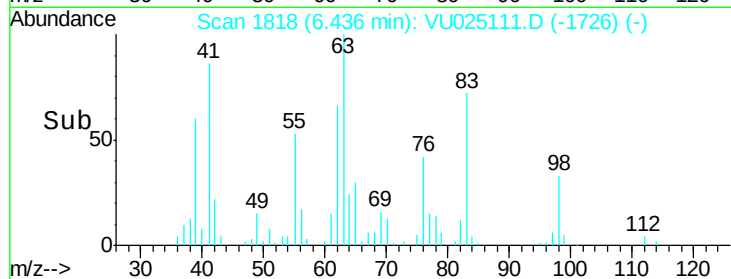
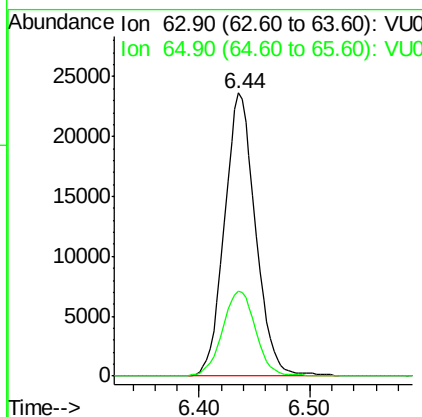
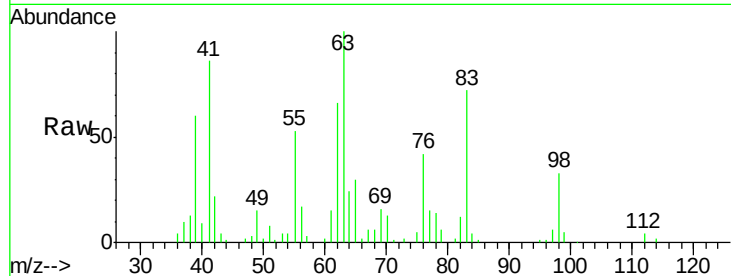
#45
 1,2-Dichloropropane
 Concen: 20.39 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion: 63 Resp: 46152
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.8 37.2

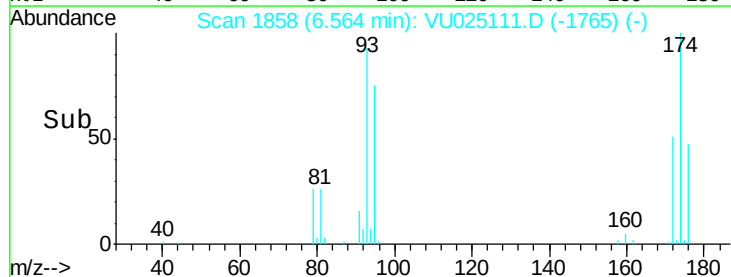
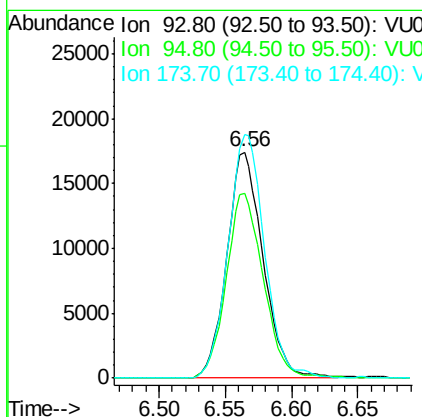
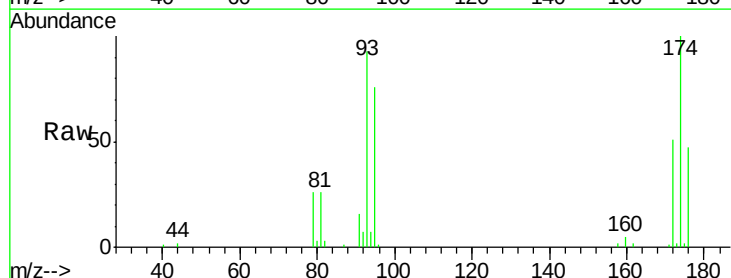
Manual Integrations
 APPROVED

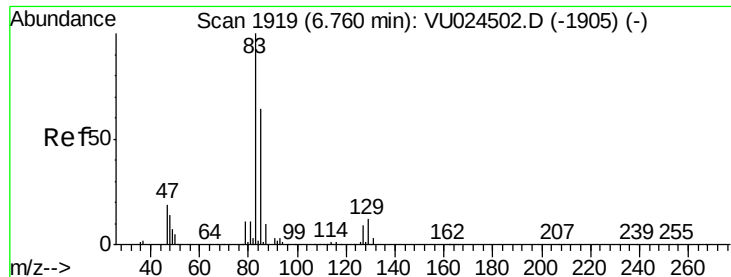
apatel
 7/2/2018 4:16:42 PM



#46
 Dibromomethane
 Concen: 20.81 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion: 93 Resp: 33088
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.5 98.3
 174 108.4 78.7 118.1





#47

Bromodichloromethane

Concen: 20.06 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

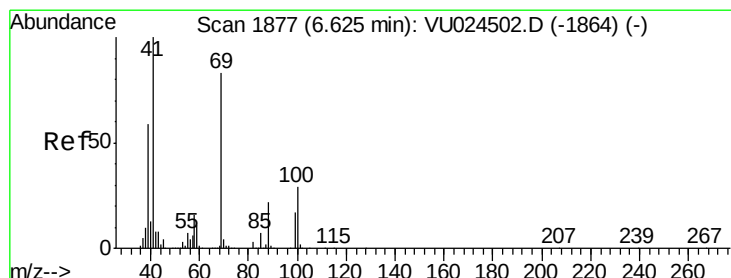
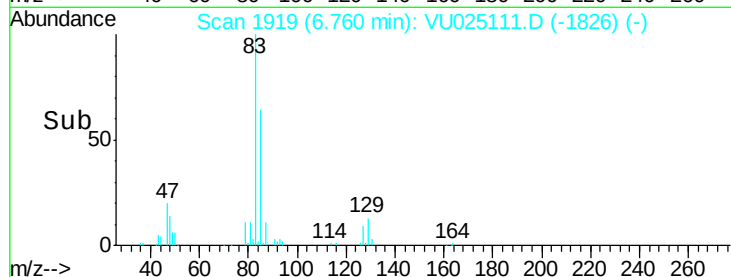
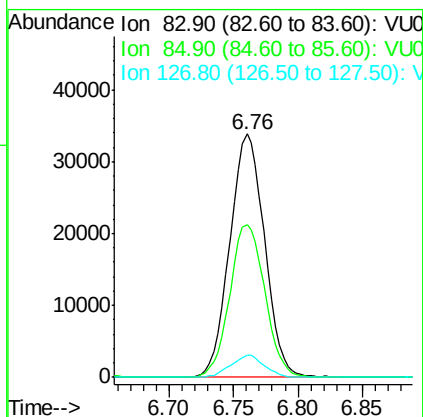
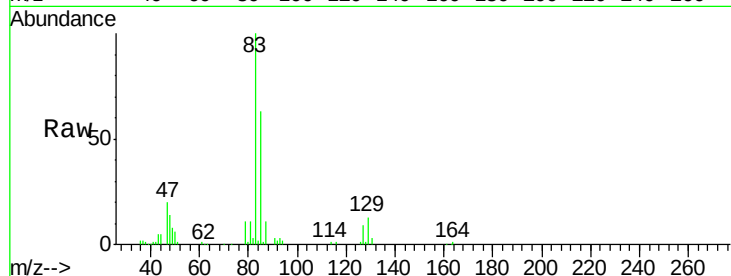
ClientSampleId :

VU0630WBS02

Tot Ion:	83	Resp:	63487
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.9	77.9
127	9.0	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.66 ug/l

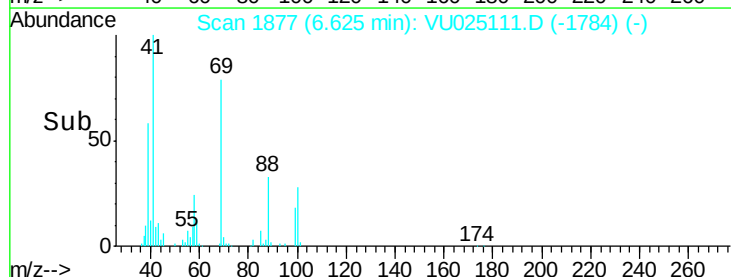
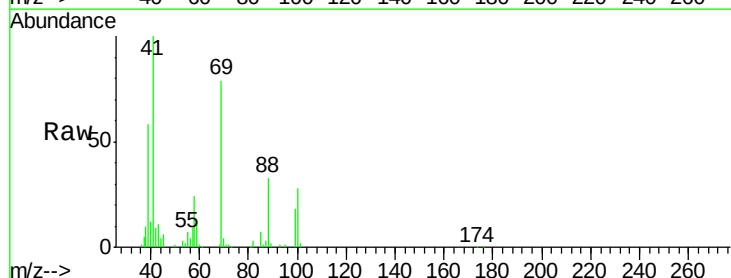
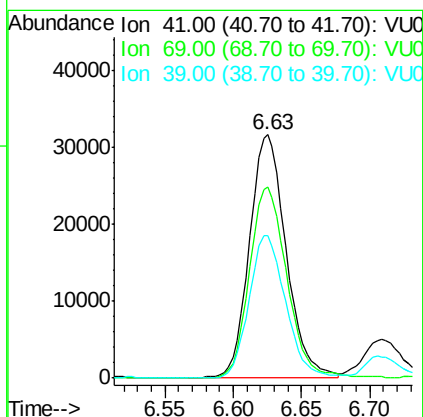
RT: 6.63 min Scan# 1877

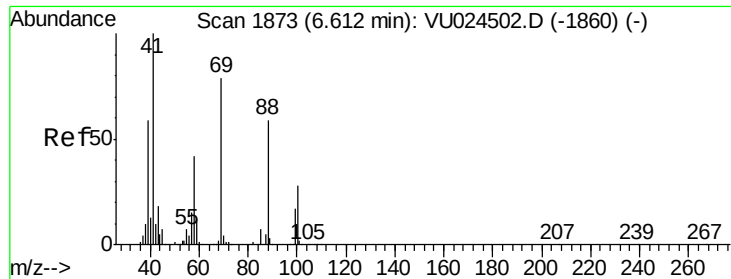
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	41	Resp:	59161
Ion	Ratio	Lower	Upper
41	100		
69	79.9	67.3	100.9
39	58.4	46.5	69.7





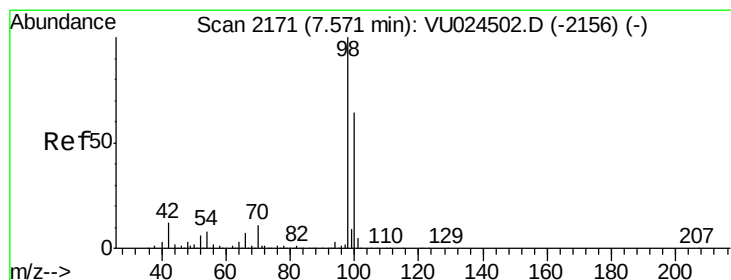
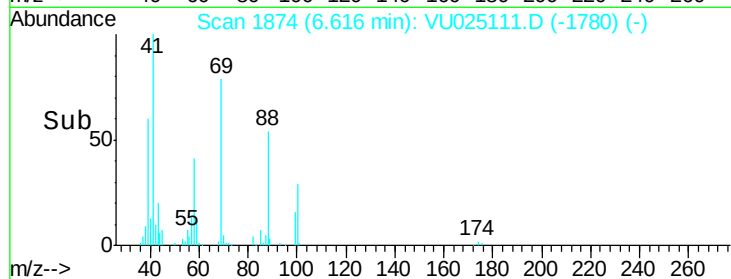
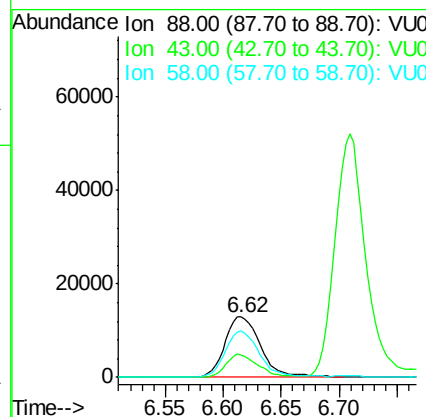
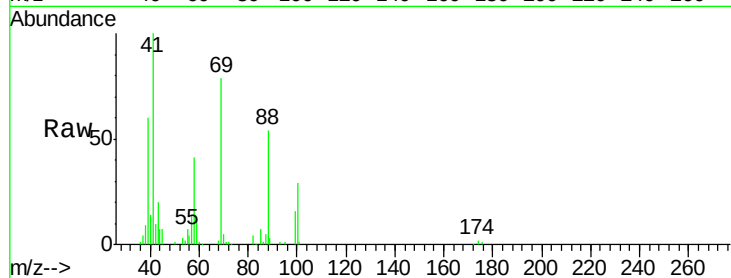
#49
1,4-Dioxane
Concen: 519.14 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	28.6	42.8
58	72.5	58.2	87.4

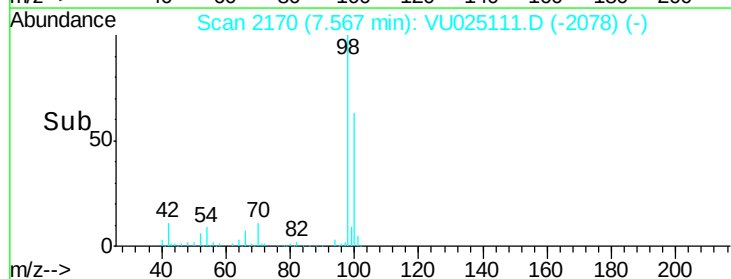
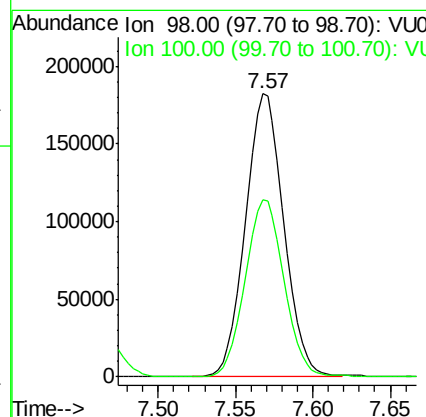
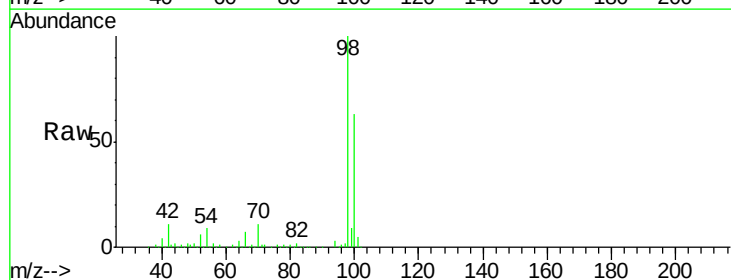
Manual Integrations
APPROVED

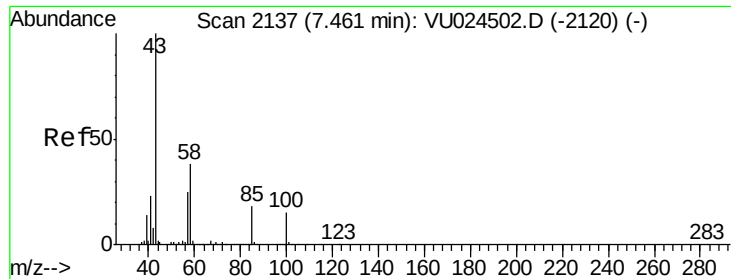
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#50
Toluene-d8
Concen: 40.97 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 106.01 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 43 Resp: 373495

Ion Ratio Lower Upper

43 100

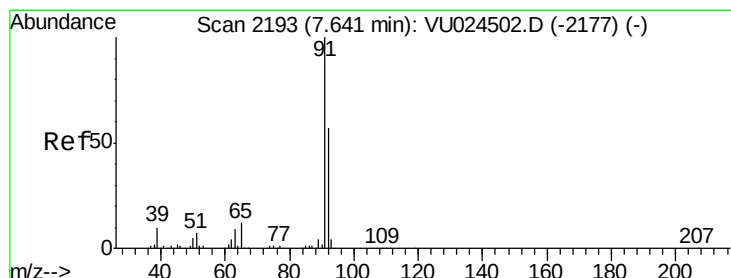
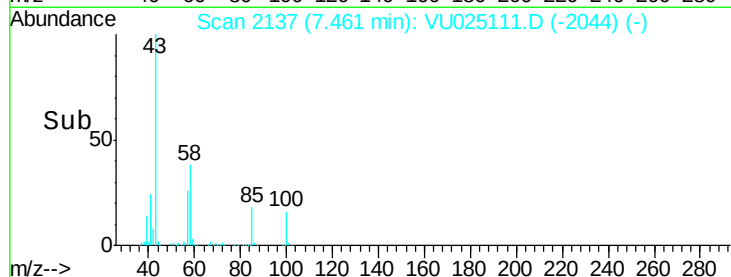
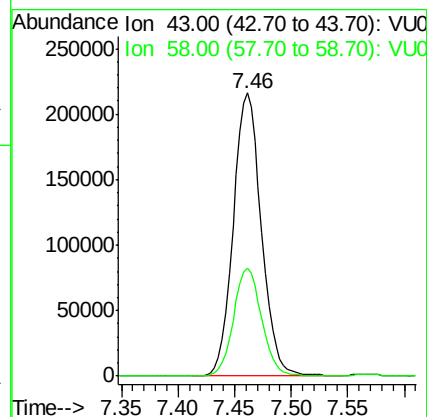
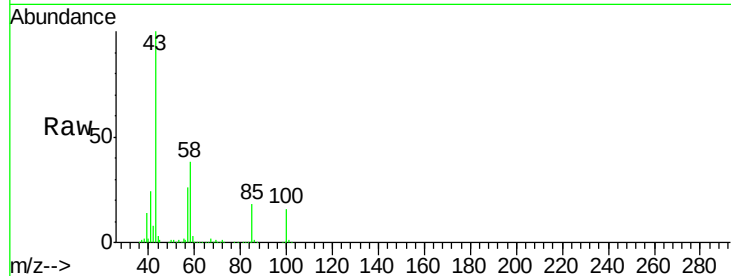
58 38.1 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 20.45 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025111.D

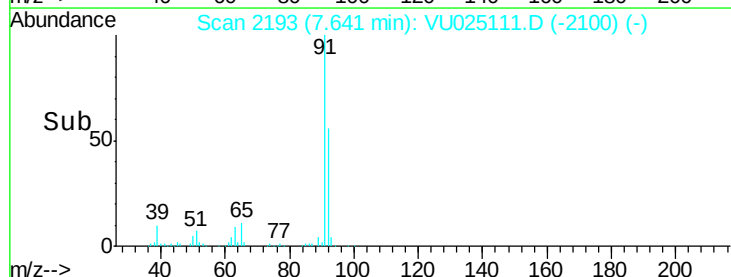
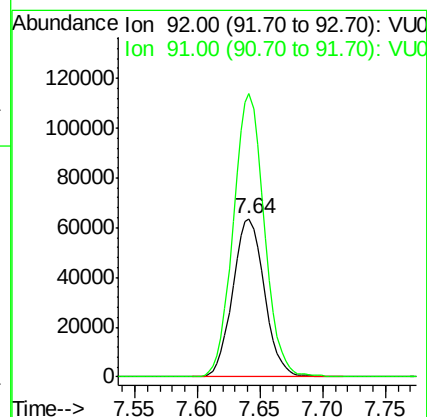
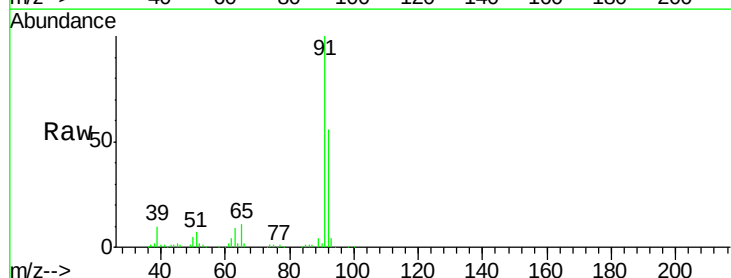
Acq: 01 Jul 2018 01:17

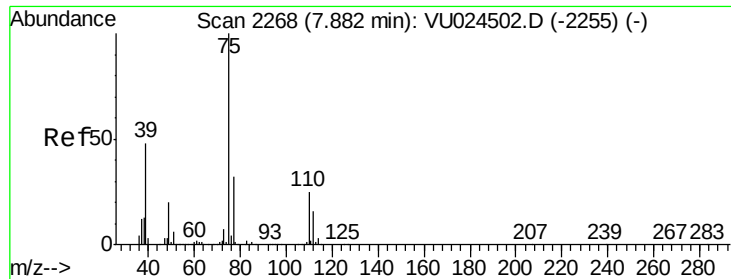
Tgt Ion: 92 Resp: 111571

Ion Ratio Lower Upper

92 100

91 175.4 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 17.90 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 75 Resp: 63618

Ion Ratio Lower Upper

75 100

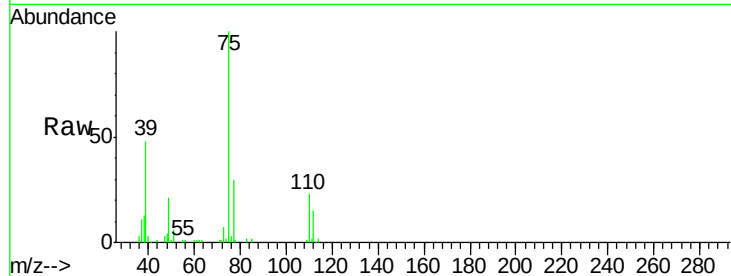
77 30.2 24.8 37.2

Manual Integrations

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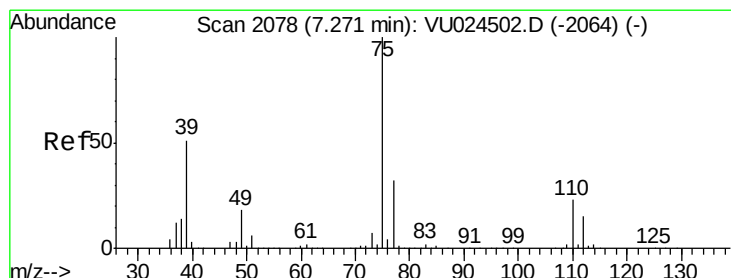
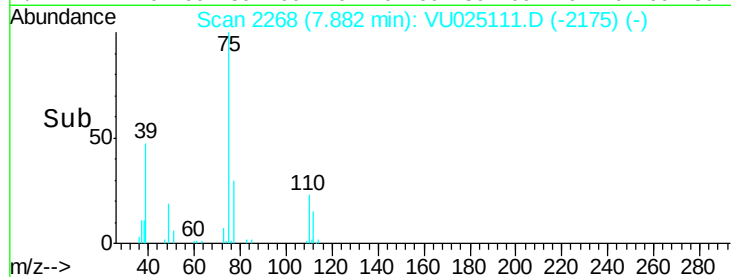
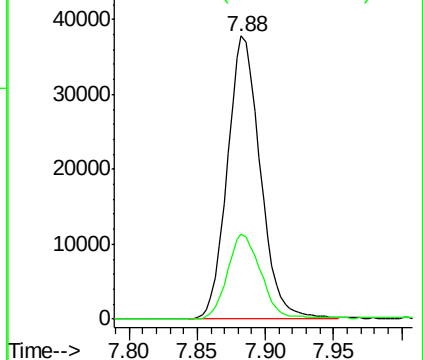
apatel

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 17.74 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

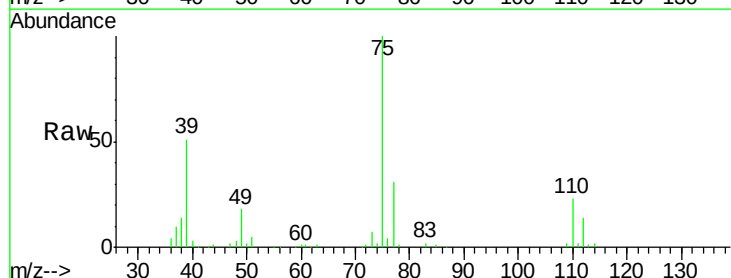
Tgt Ion: 75 Resp: 67185

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

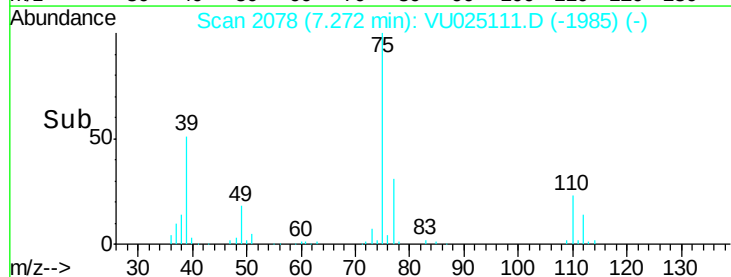
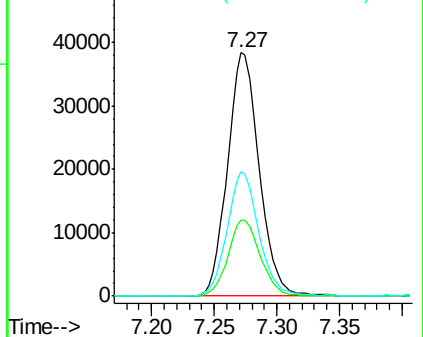
39 51.2 39.8 59.6

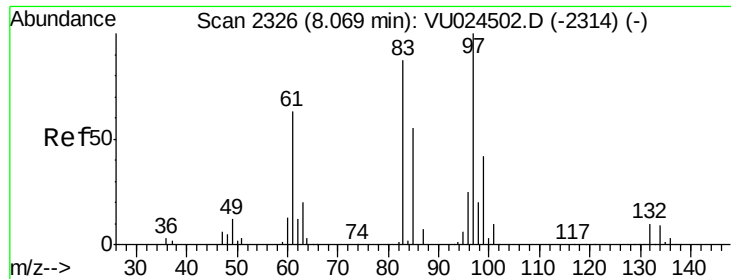


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





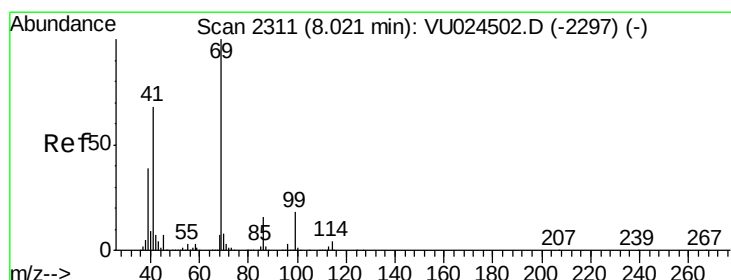
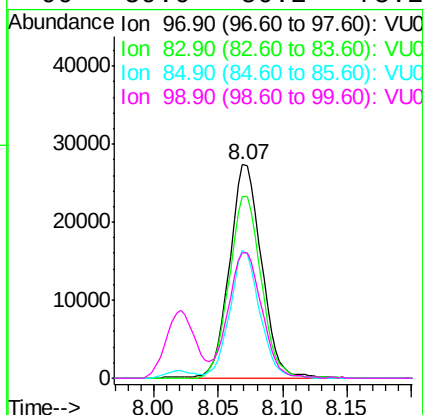
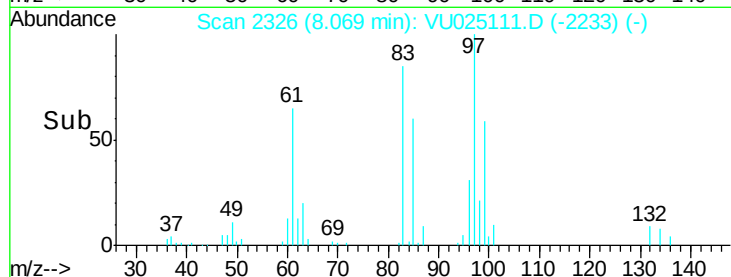
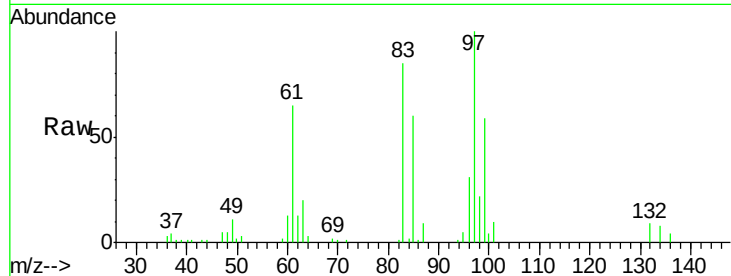
#55
 1,1,2-Trichloroethane
 Concen: 21.34 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		47345		
83	85.0		70.5	105.7	
85	59.9		46.4	69.6	
99	59.0		50.2	75.2	

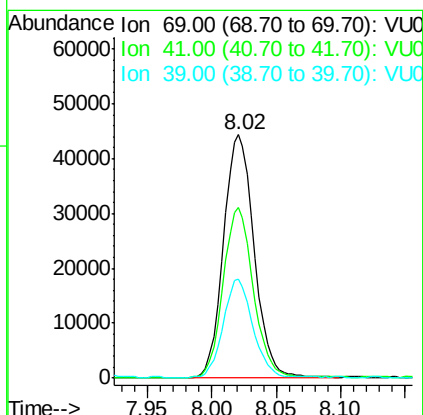
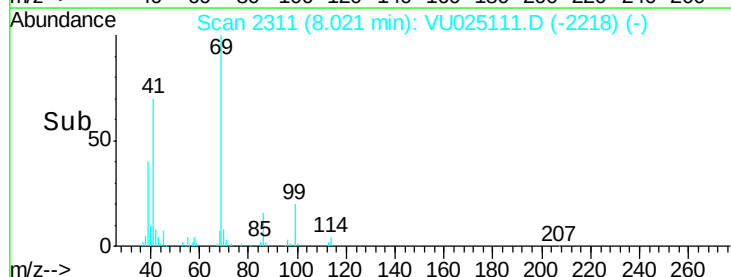
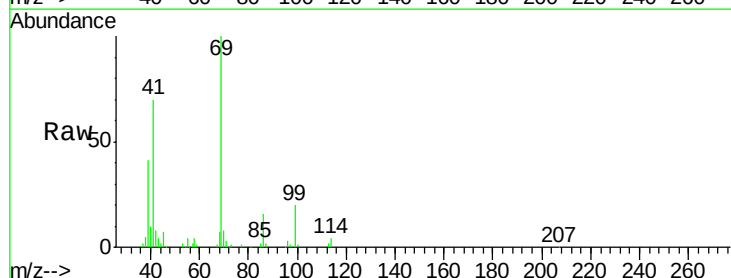
Manual Integrations
 APPROVED

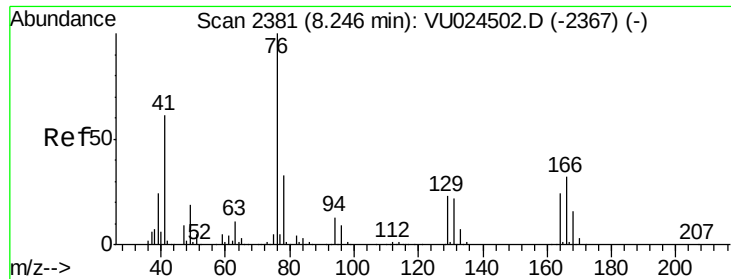
apatel
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#56
 Ethyl methacrylate
 Concen: 19.74 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73287		
41	69.5		54.1	81.1	
39	39.5		30.3	45.5	





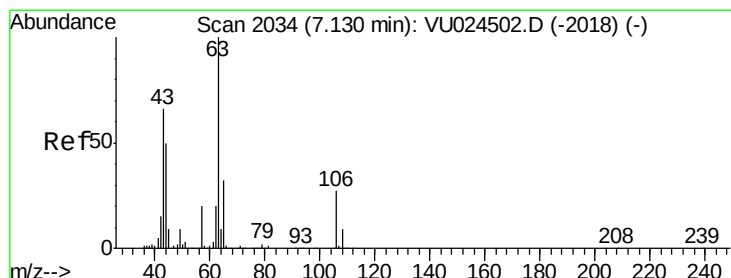
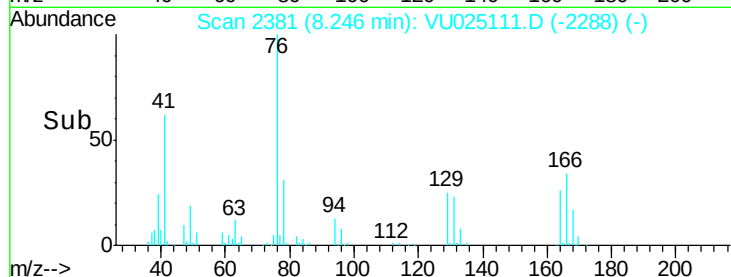
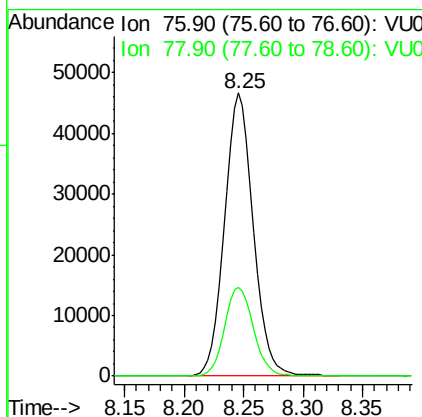
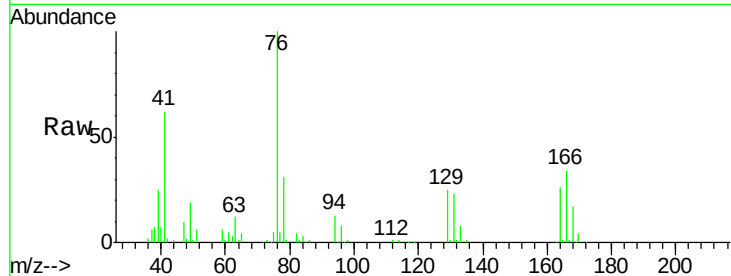
#57
 1,3-Dichloropropane
 Concen: 20.90 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion: 76 Resp: 78214
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.2 37.8

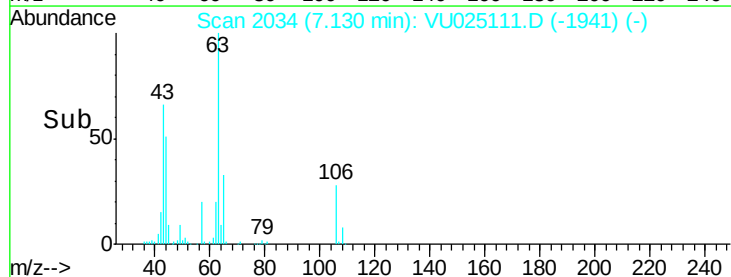
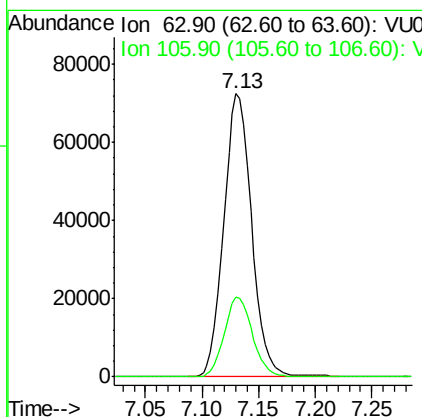
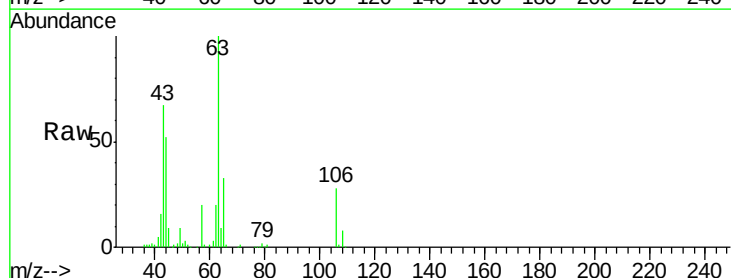
Manual Integrations
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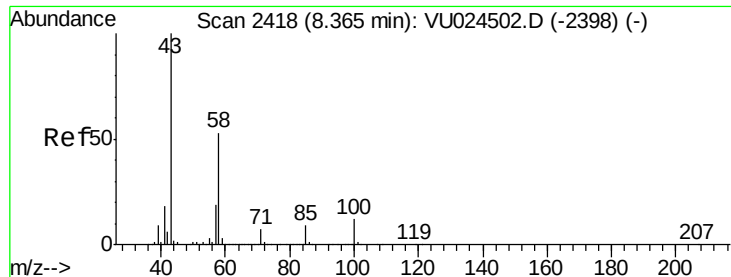
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 87.50 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion: 63 Resp: 124460
 Ion Ratio Lower Upper
 63 100
 106 28.4 20.2 30.2





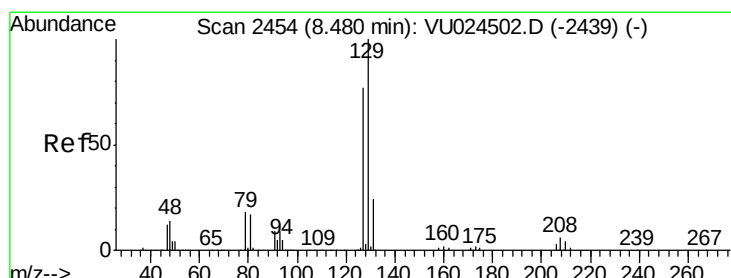
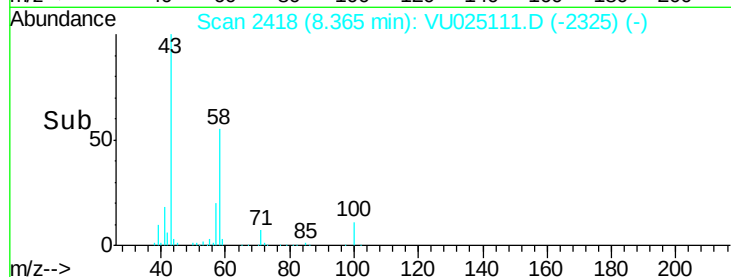
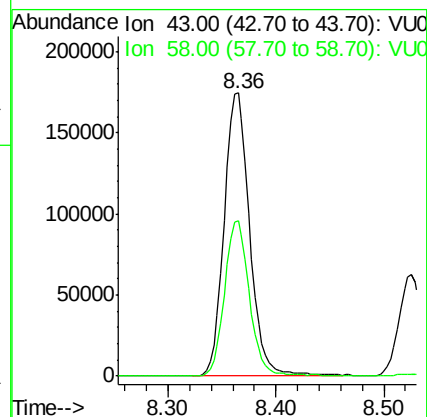
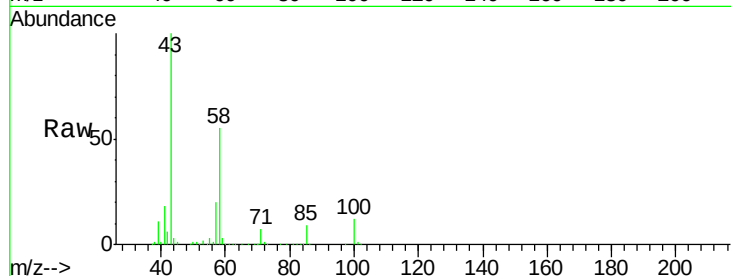
#59
2-Hexanone
Concen: 100.15 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.4	79.0

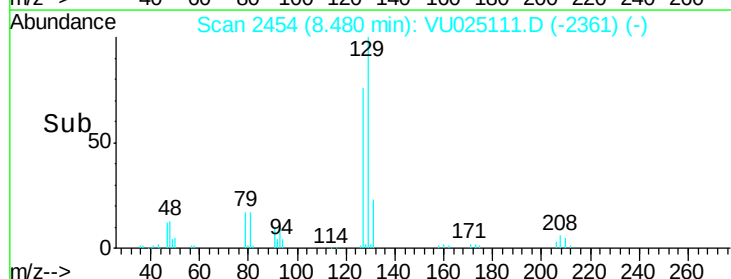
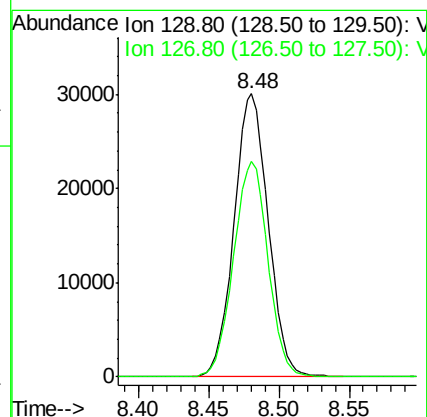
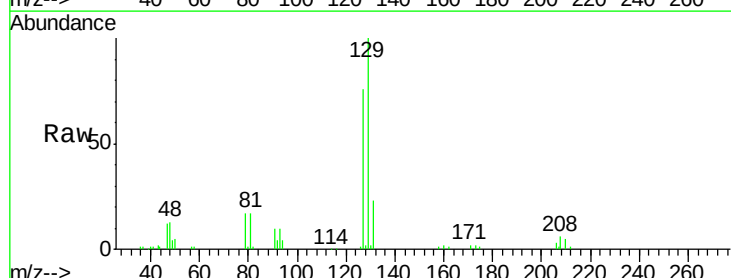
Manual Integrations
APPROVED

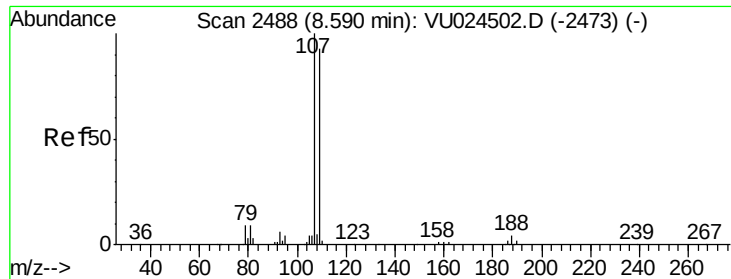
apatel
7/2/2018 4:16:42 PM



#60
Dibromochloromethane
Concen: 18.43 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	116.0





#61

1,2-Dibromoethane

Concen: 20.75 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion:107 Resp: 51242

Ion Ratio Lower Upper

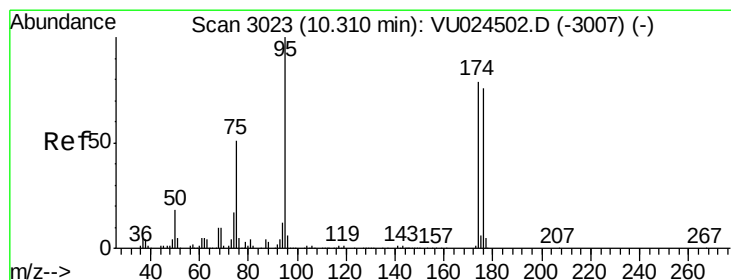
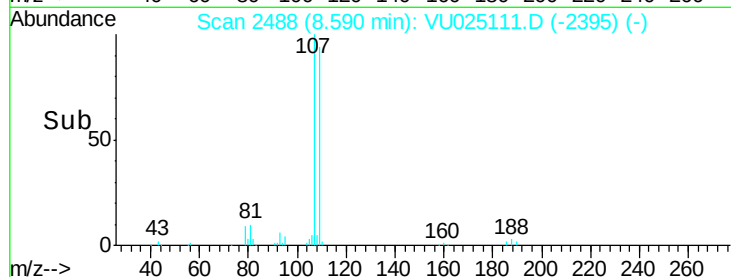
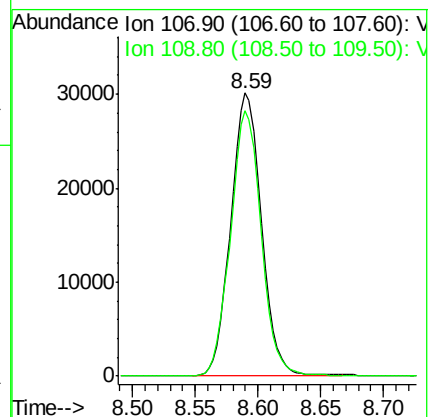
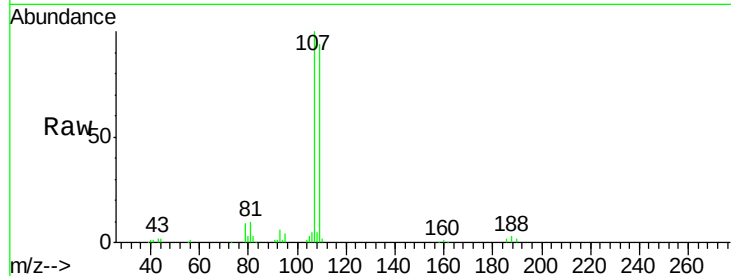
107 100

109 93.8 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 42.53 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

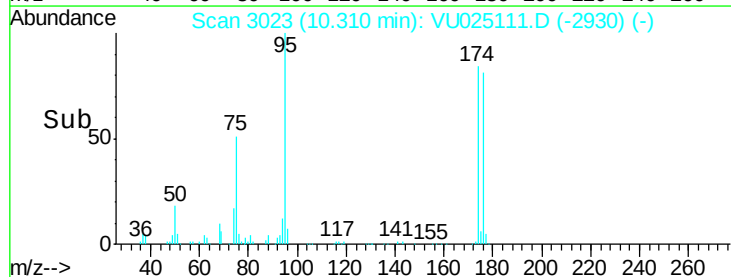
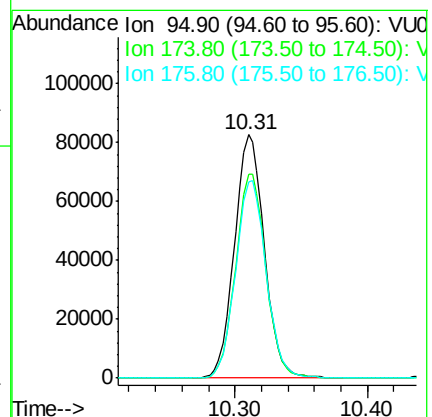
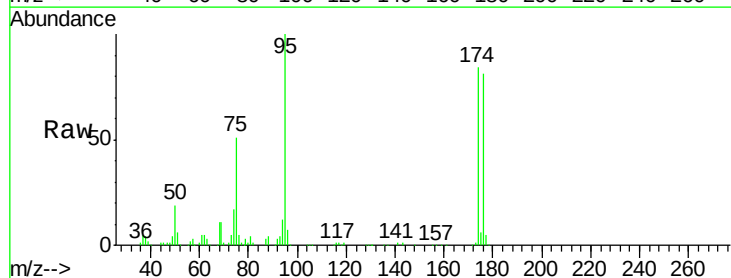
Tgt Ion: 95 Resp: 129493

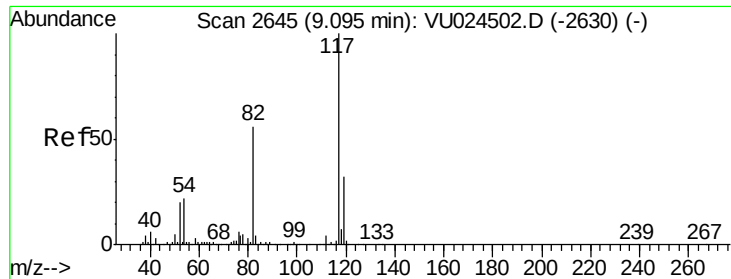
Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 82.9 0.0 159.4





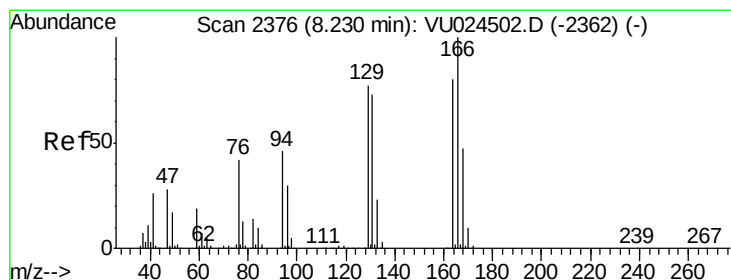
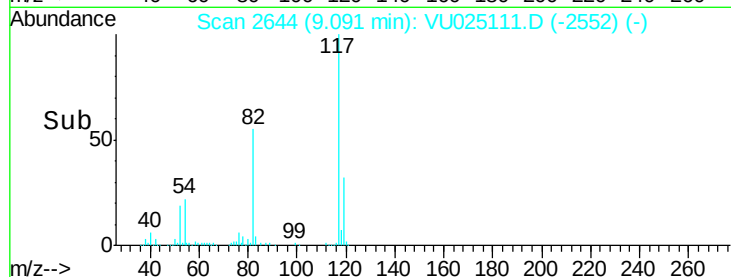
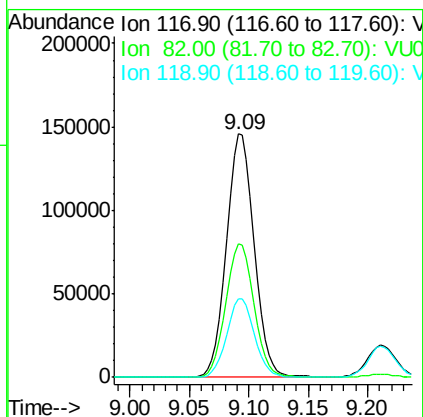
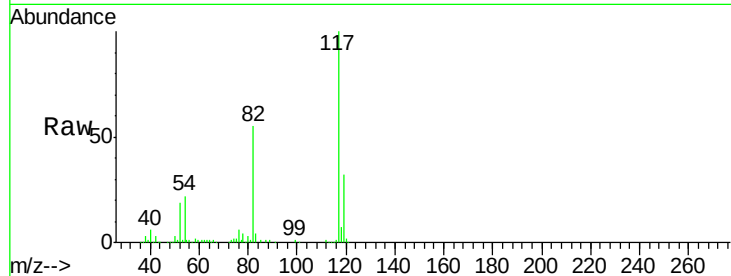
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	236354		
82	54.8	44.3	66.5	
119	32.3	25.4	38.2	

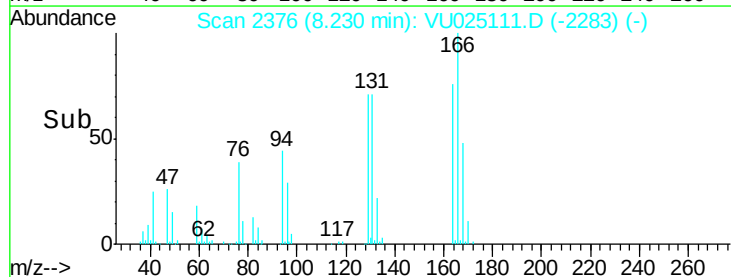
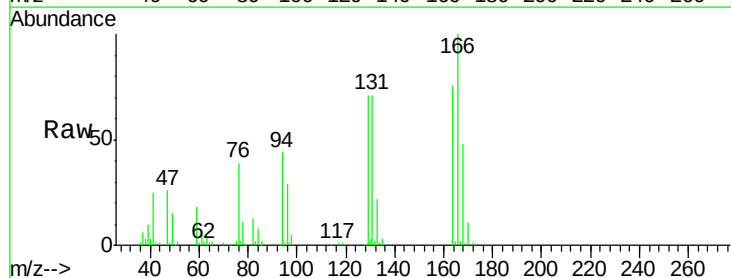
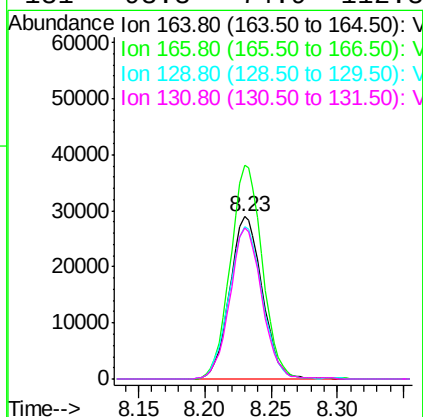
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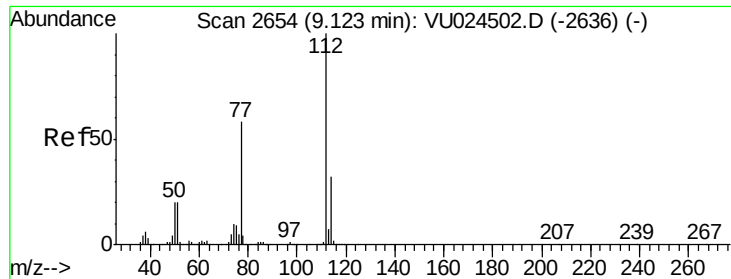
apatel
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#64
Tetrachloroethene
Concen: 21.97 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49350		
166	131.8	101.7	152.5	
129	94.1	76.9	115.3	
131	93.3	74.9	112.3	





#65

Chlorobenzene

Concen: 20.94 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion:112 Resp: 126412

Ion Ratio Lower Upper

112 100

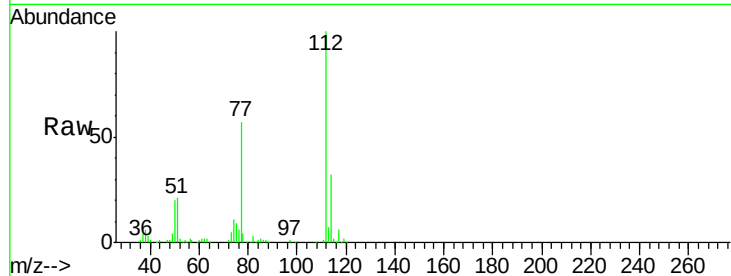
114 32.5 25.6 38.4

Manual Integrations

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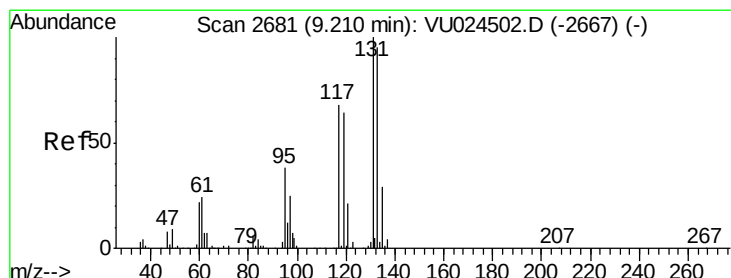
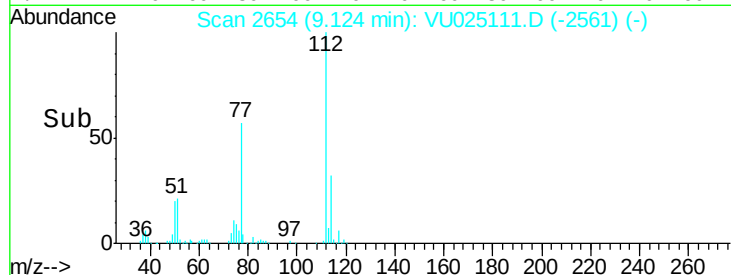
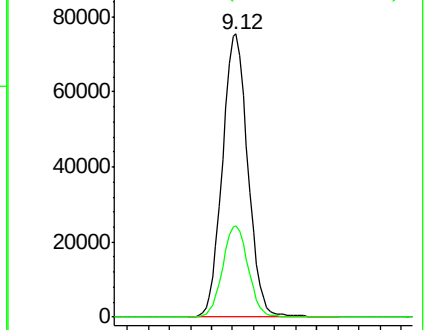
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.66 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

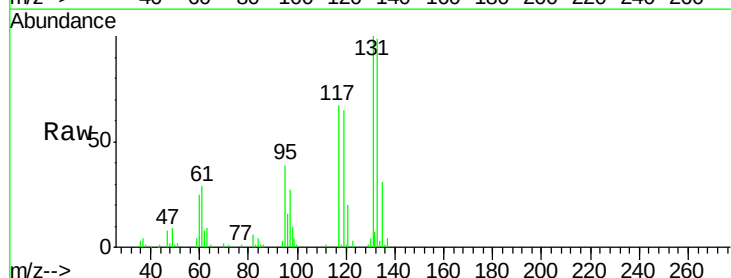
Tgt Ion:131 Resp: 47396

Ion Ratio Lower Upper

131 100

133 96.8 46.9 140.8

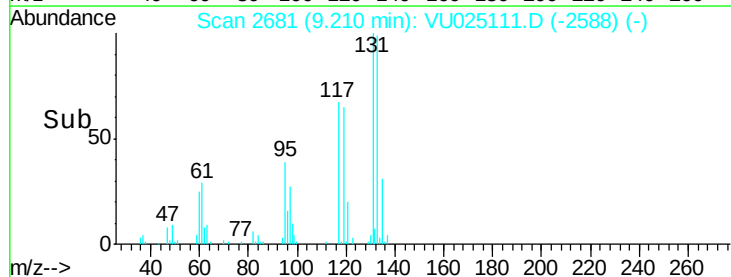
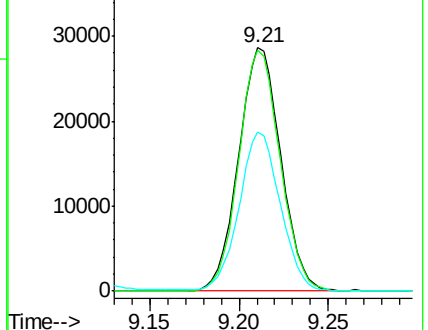
119 64.4 33.5 100.4

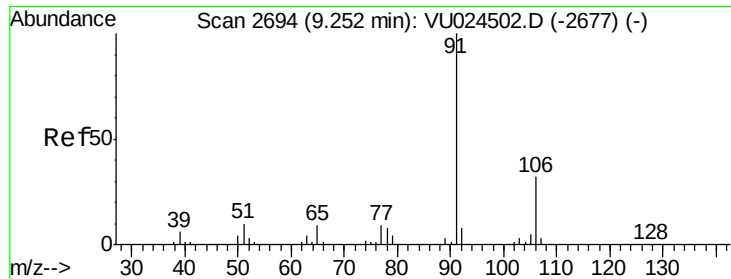


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





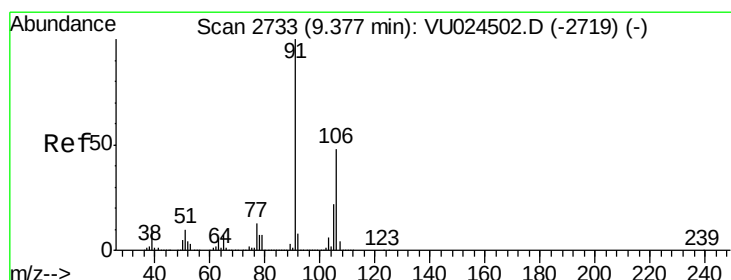
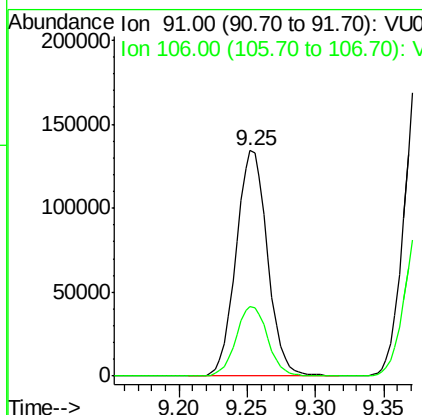
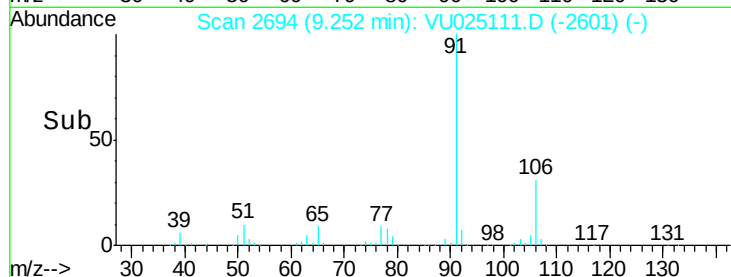
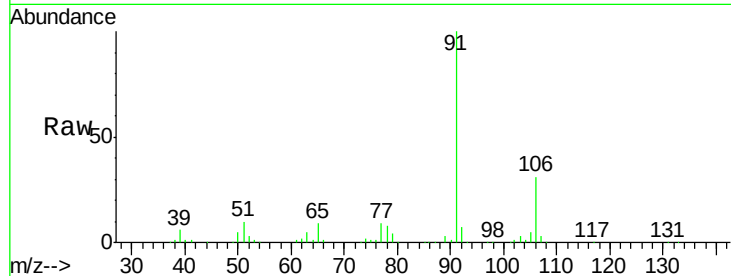
#67
Ethyl Benzene
Concen: 20.30 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

Tot Ion: 91 Resp: 214925
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.4

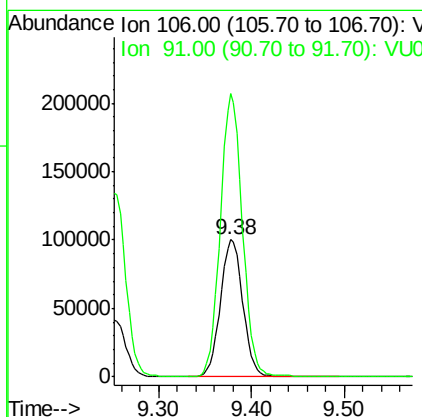
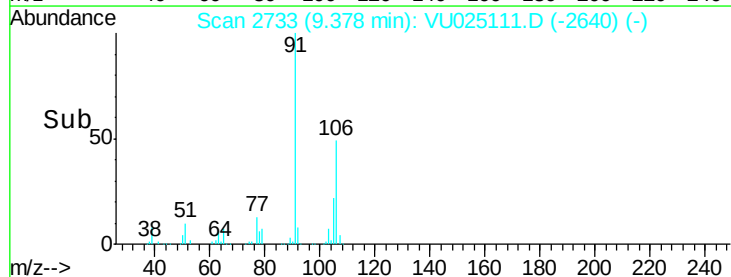
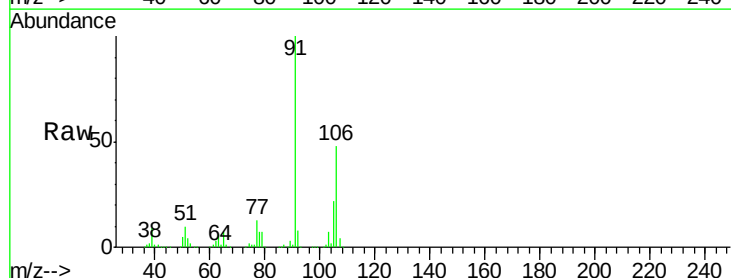
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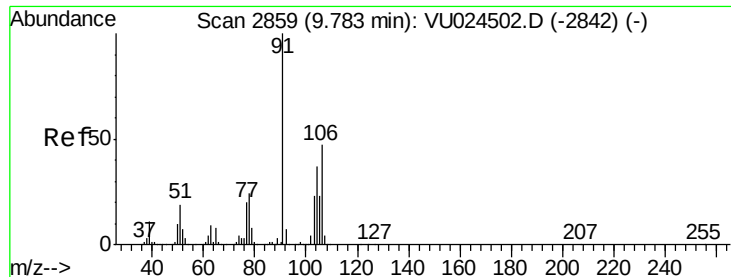
apatel
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#68
m/p-Xylenes
Concen: 41.32 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion: 106 Resp: 167947
Ion Ratio Lower Upper
106 100
91 201.9 166.5 249.7





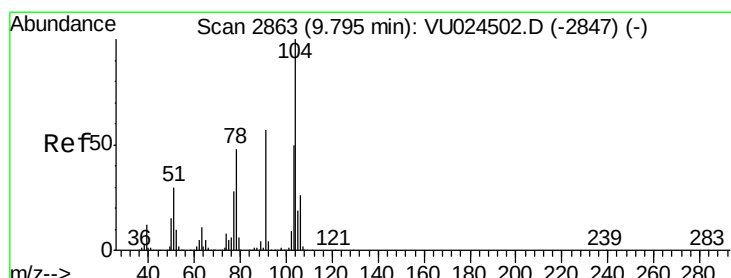
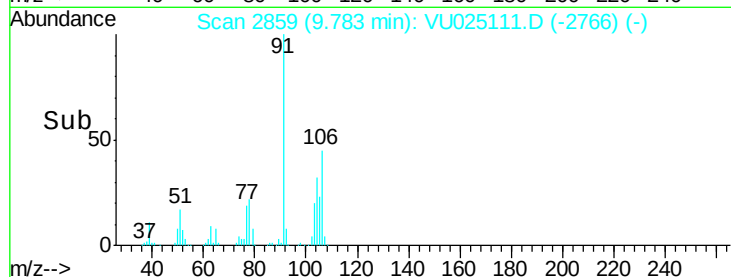
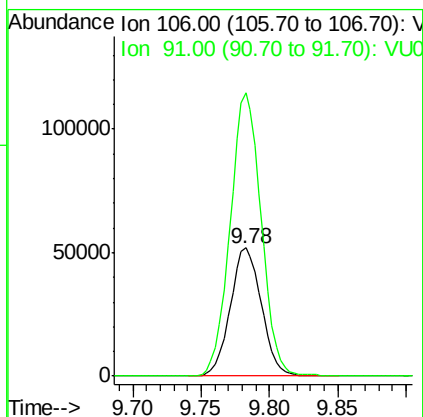
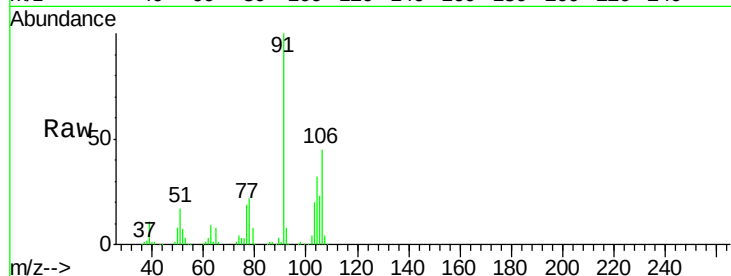
#69
o-Xylene
Concen: 20.45 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampled :
VU0630WBS02

Tot Ion	Ion	Ratio	Lower	Upper
82251	106	100		
	91	220.0	110.7	331.9

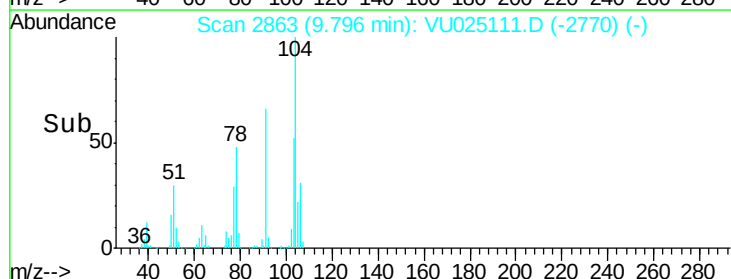
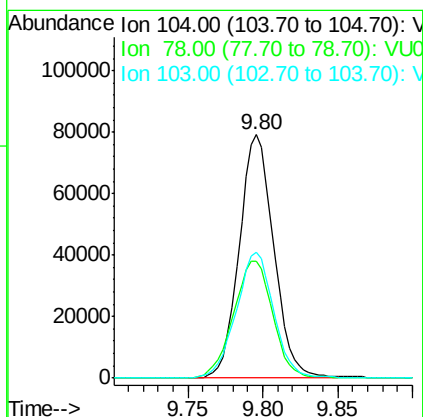
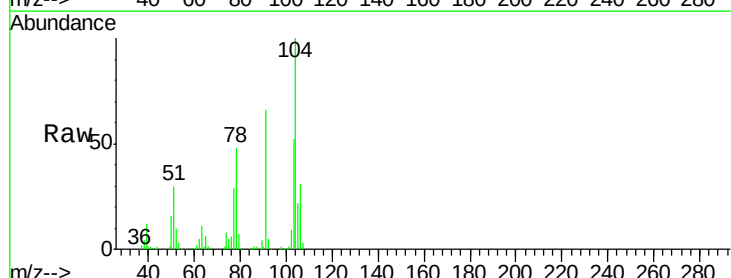
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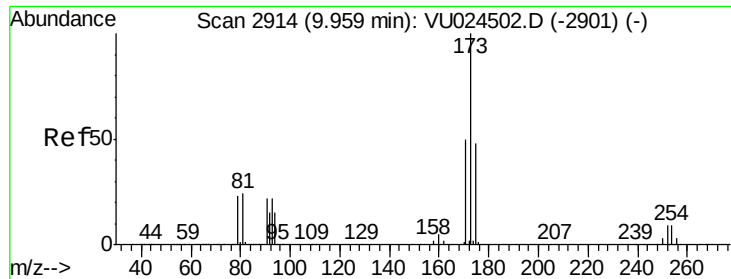
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#70
Styrene
Concen: 19.26 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ion	Ratio	Lower	Upper
127297	104	100		
	78	54.9	40.6	60.8
	103	56.2	44.7	67.1





#71

Bromoform

Concen: 18.02 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

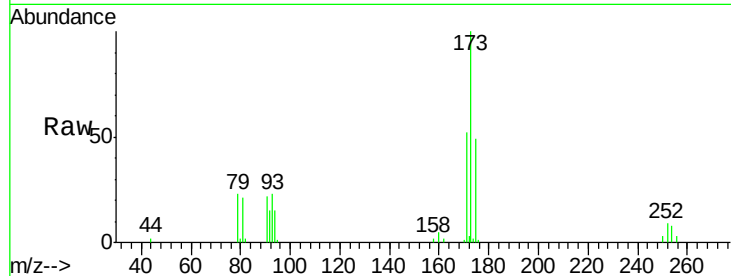
ClientSampleId :

VU0630WBS02

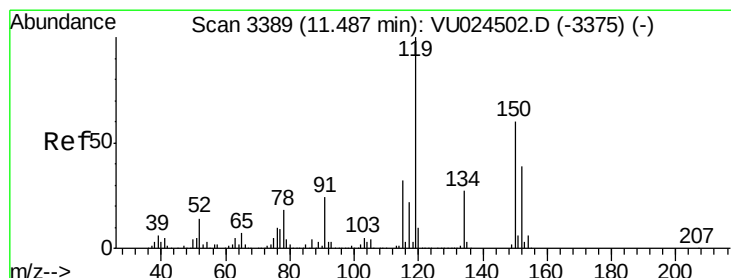
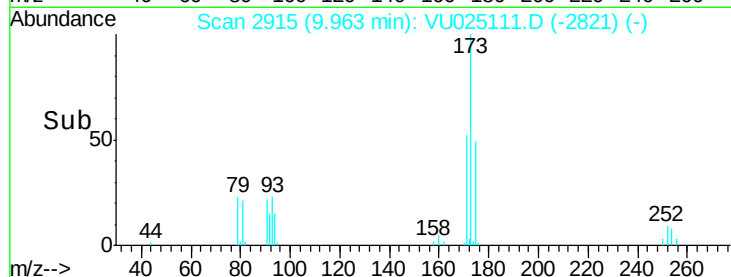
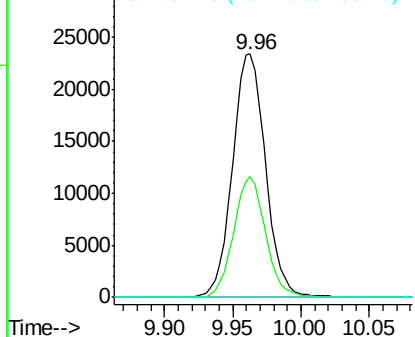
Tot Ion:	173	Resp:	39291
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.6	74.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

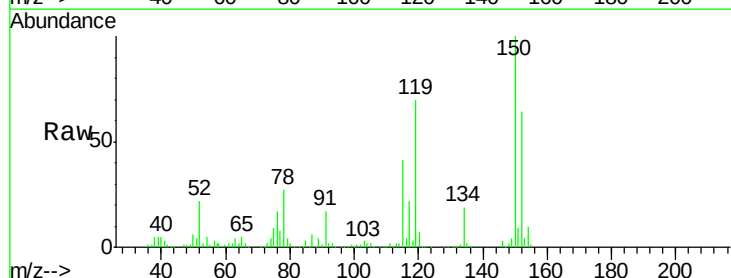
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

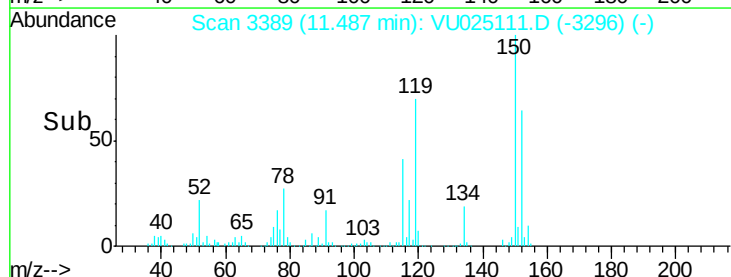
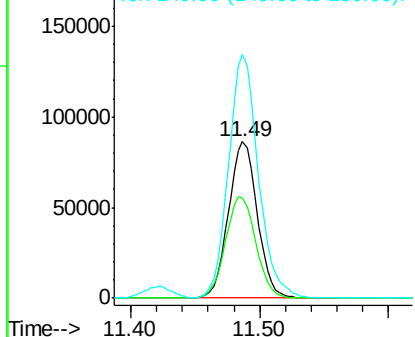
Lab File: VU025111.D

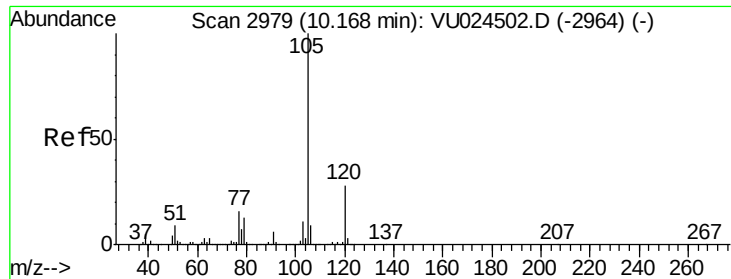
Acq: 01 Jul 2018 01:17

Tgt Ion:	152	Resp:	133355
Ion Ratio	Lower	Upper	
152	100		
115	68.2	43.0	129.0
150	161.3	0.0	354.0



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





#73

Isopropylbenzene

Concen: 21.66 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 105 Resp: 221726

Ion Ratio Lower Upper

105 100

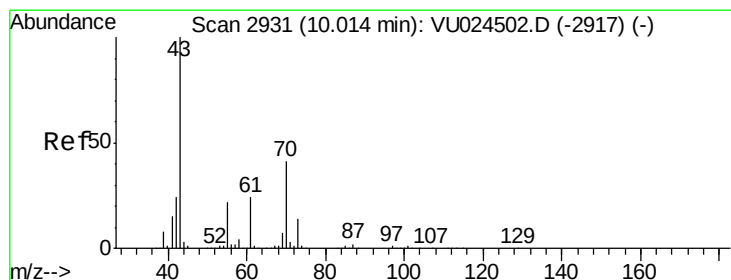
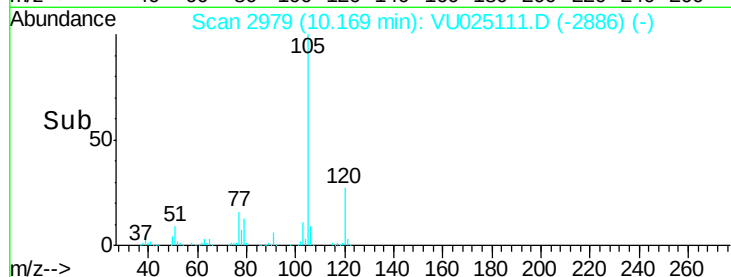
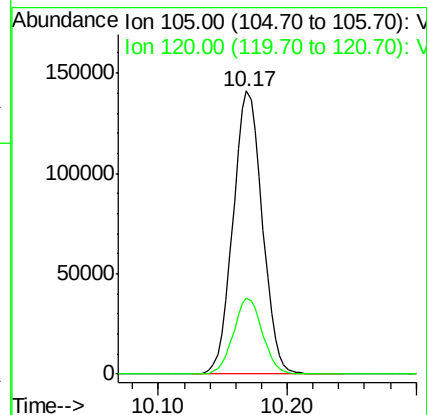
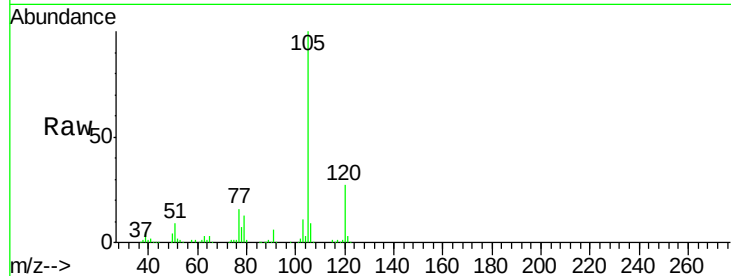
120 26.6 13.2 39.6

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#74

N-ethyl acetate

Concen: 19.09 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion: 43 Resp: 92972

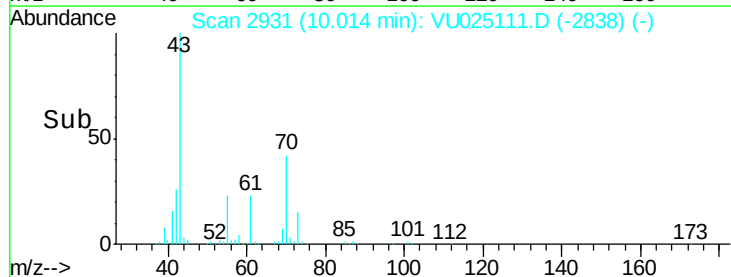
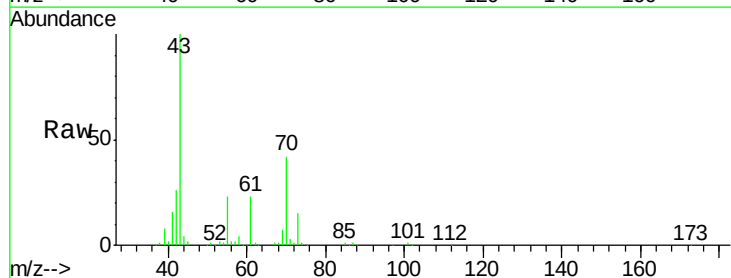
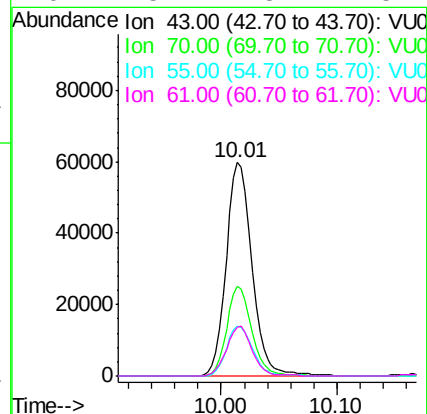
Ion Ratio Lower Upper

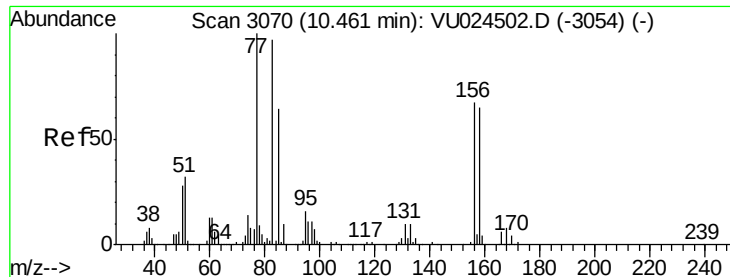
43 100

70 40.6 32.2 48.4

55 23.7 20.5 30.7

61 23.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.38 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 83 Resp: 76777

Ion Ratio Lower Upper

83 100

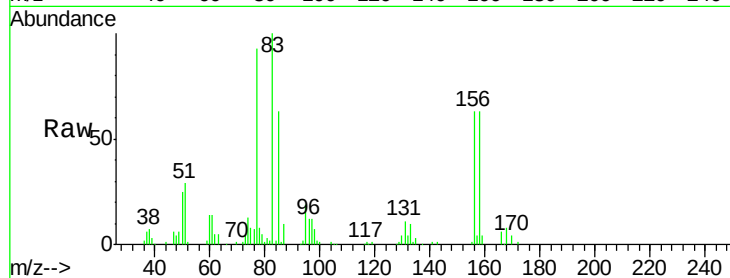
131 10.7 4.7 14.1

85 64.6 32.5 97.5

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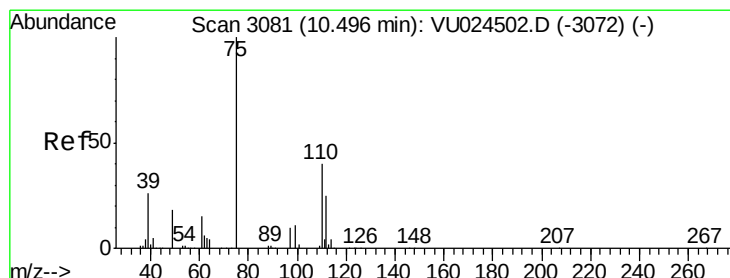
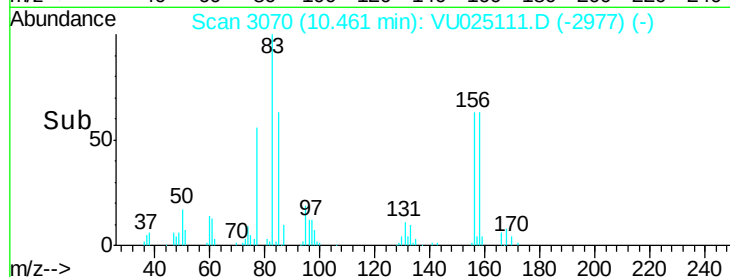
Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 23.46 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025111.D

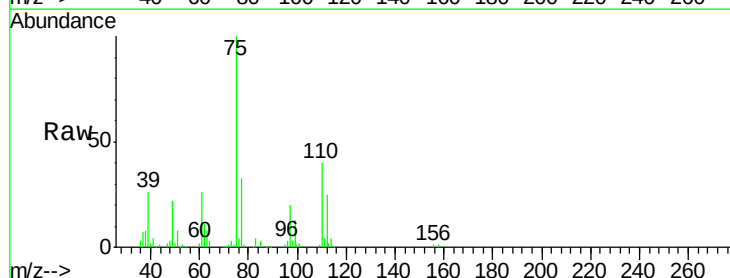
Acq: 01 Jul 2018 01:17

Tgt Ion: 75 Resp: 68881

Ion Ratio Lower Upper

75 100

77 37.7 20.9 62.7

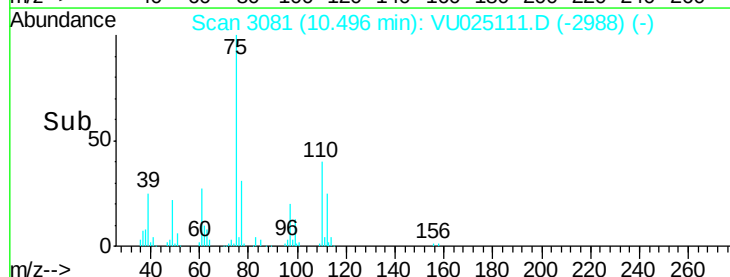


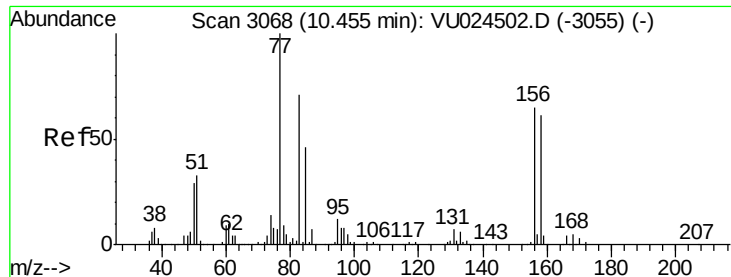
Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.50

Time-->





#77

Bromobenzene

Concen: 22.16 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

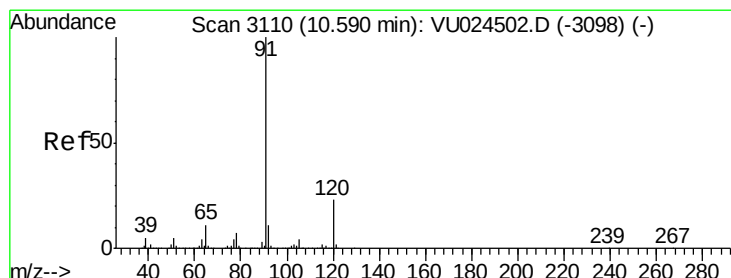
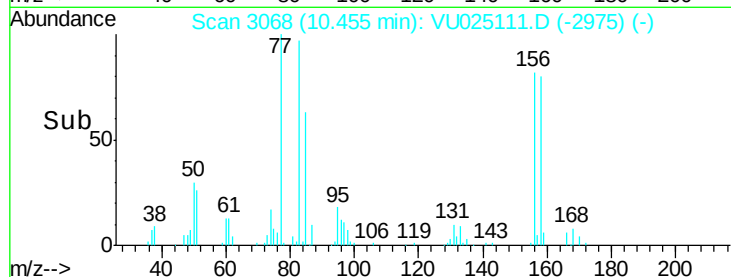
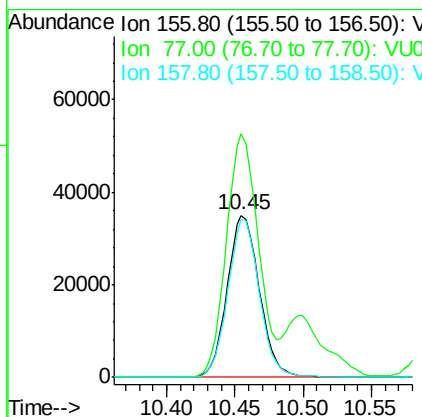
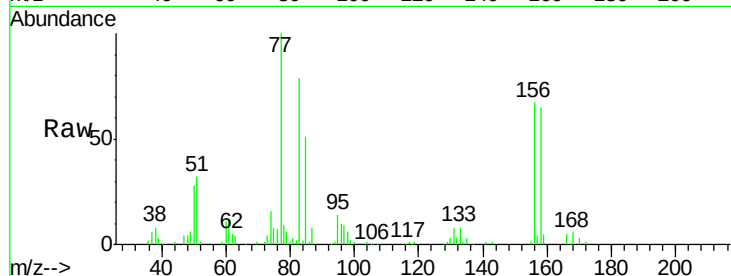
ClientSampleId :

VU0630WBS02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.3	80.5	241.3	
158	95.7	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.98 ug/l

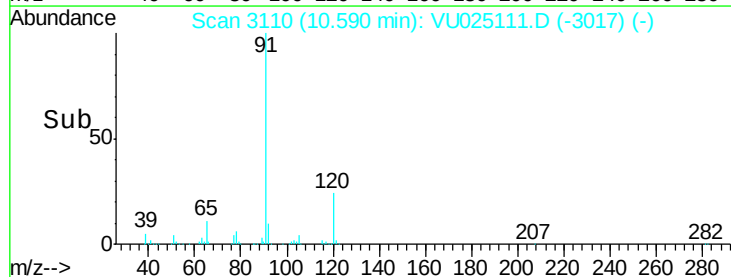
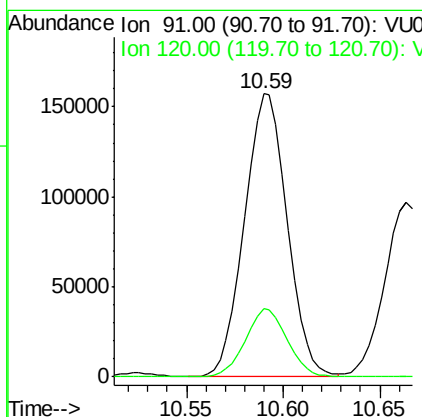
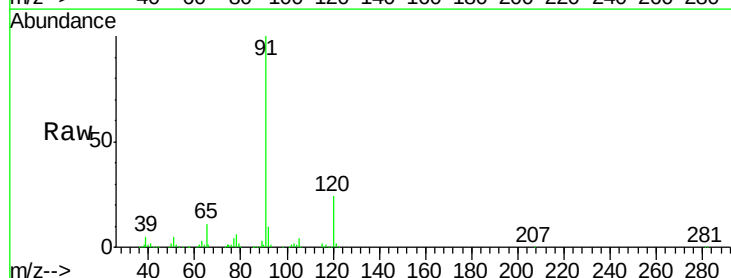
RT: 10.59 min Scan# 3110

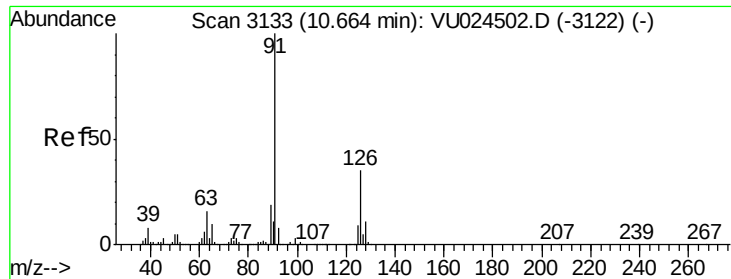
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.2	33.5	





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

ClientSampleId :

VU0630WBS02

Tot Ion: 91 Resp: 151391

Ion Ratio Lower Upper

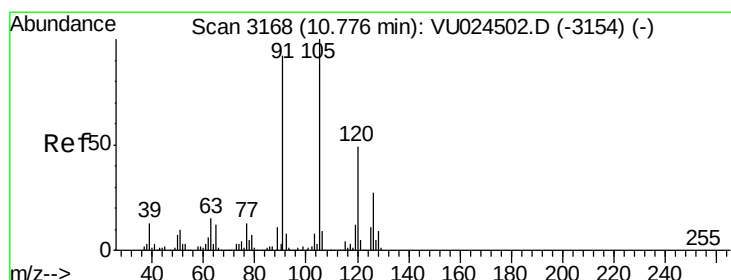
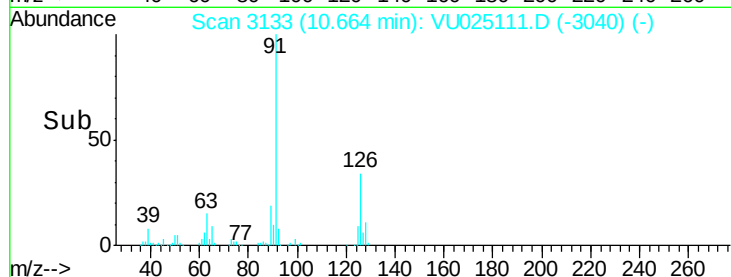
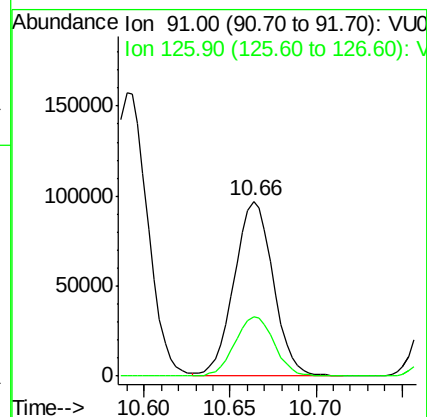
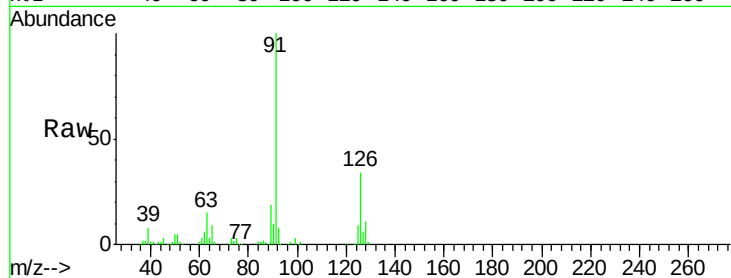
91 100

126 34.7 16.9 50.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 21.18 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU025111.D

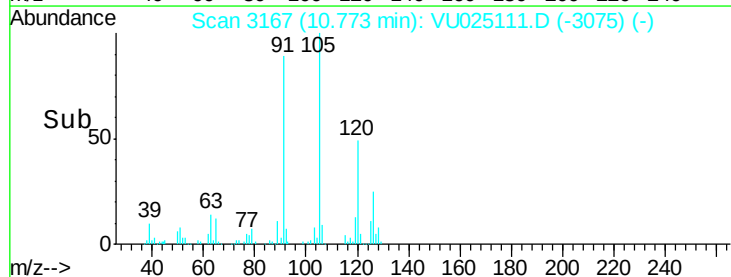
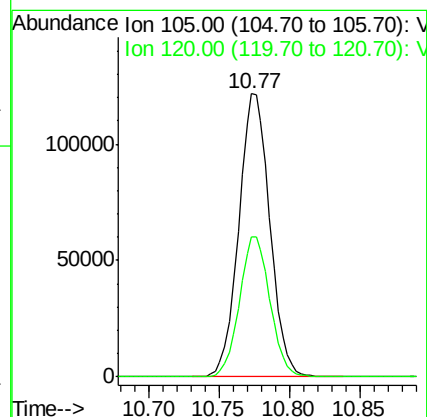
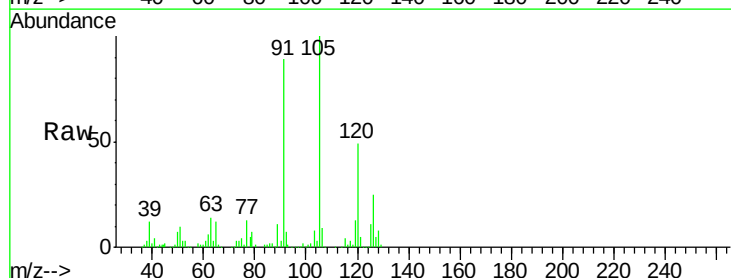
Acq: 01 Jul 2018 01:17

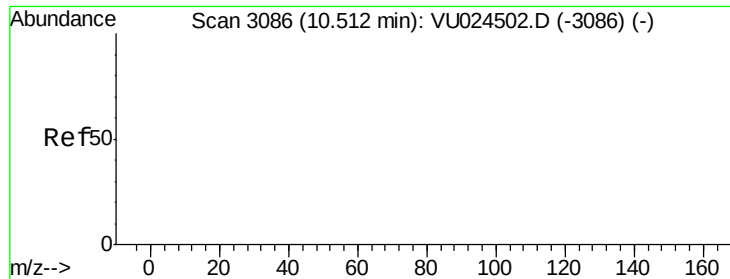
Tgt Ion: 105 Resp: 187942

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





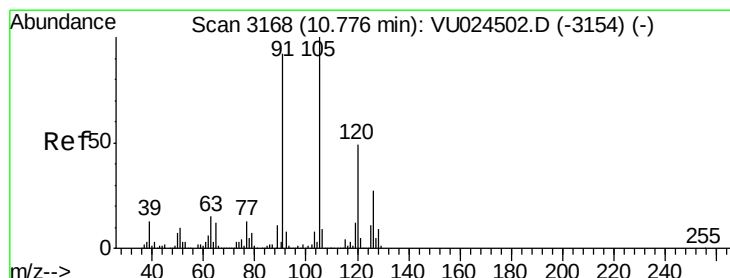
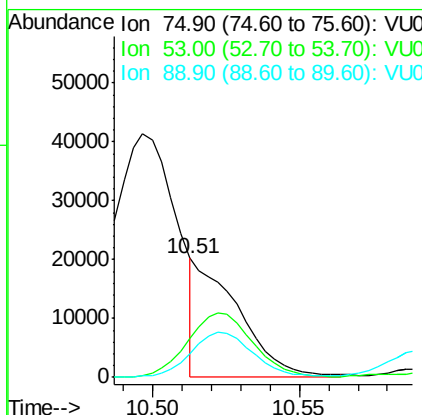
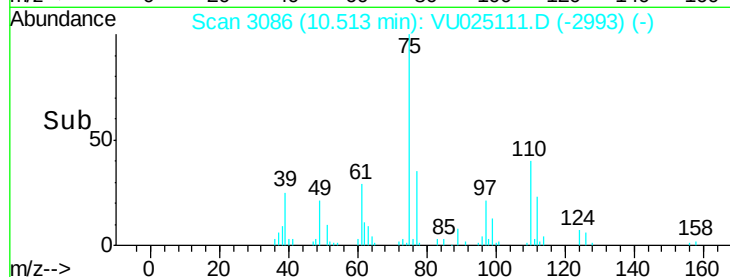
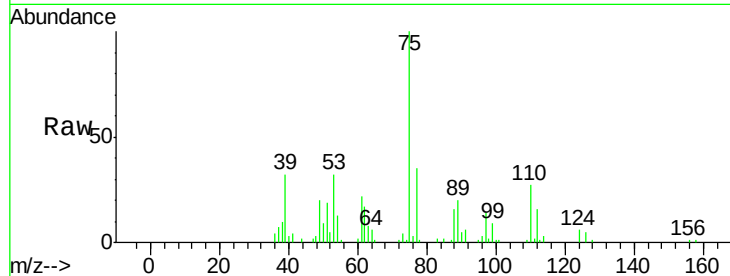
#81
trans-1,4-Dichloro-2-butene
Concen: 16.43 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Instrument :
MSVOA_U
ClientSampleId :
VU0630WBS02

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

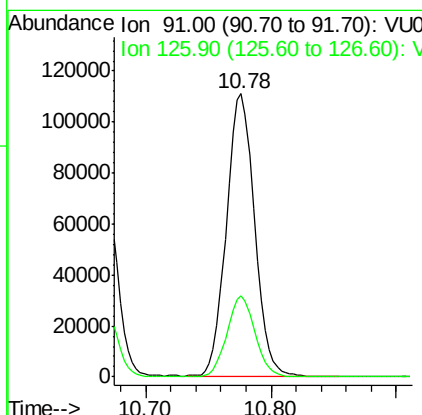
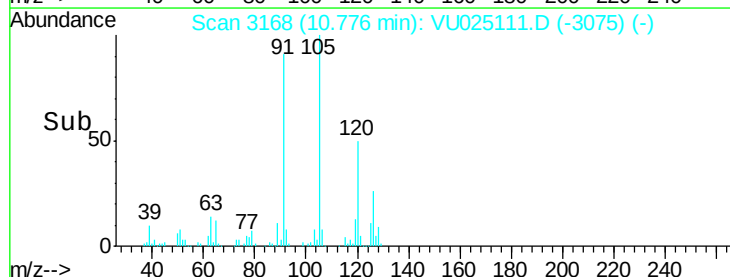
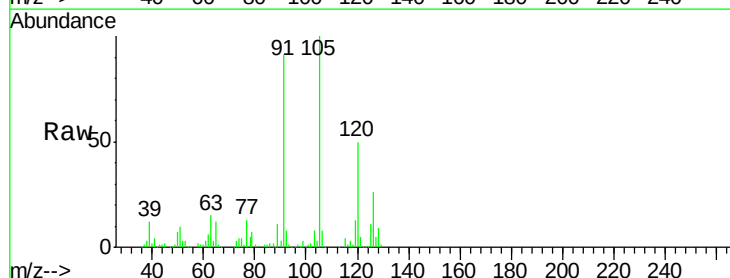
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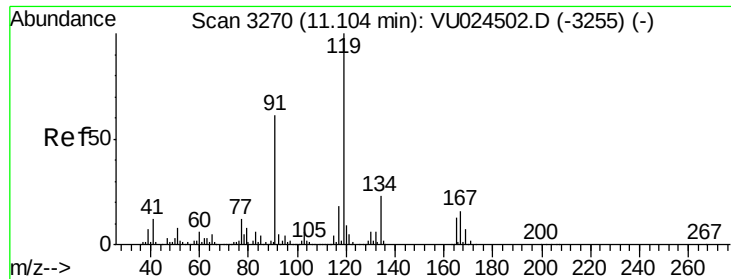
apatel
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#82
4-Chlorotoluene
Concen: 20.82 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025111.D
Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.9	44.9





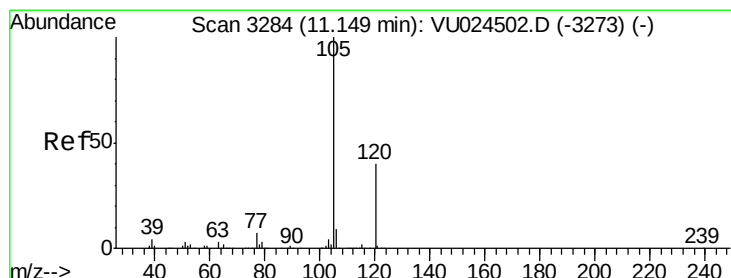
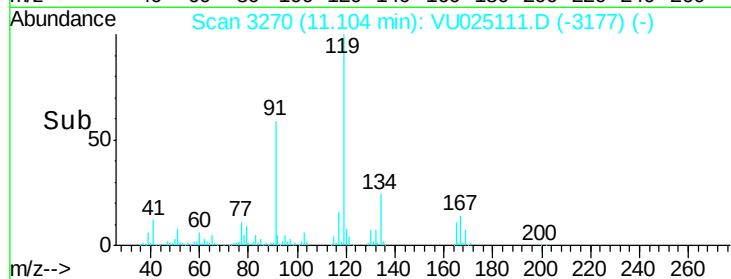
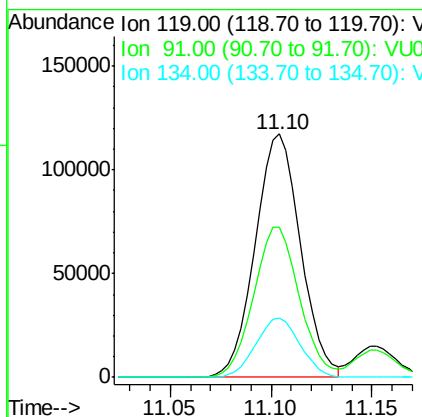
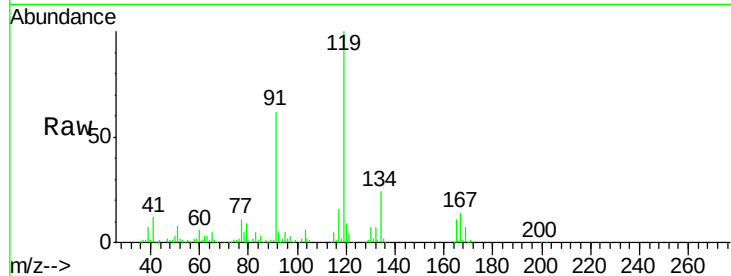
#83
 tert-Butylbenzene
 Concen: 21.59 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	29.7	89.1
134	23.8	11.6	34.7

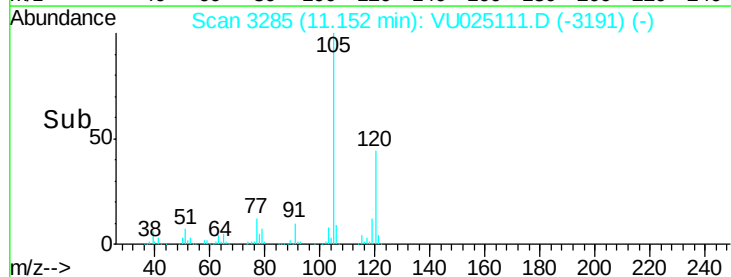
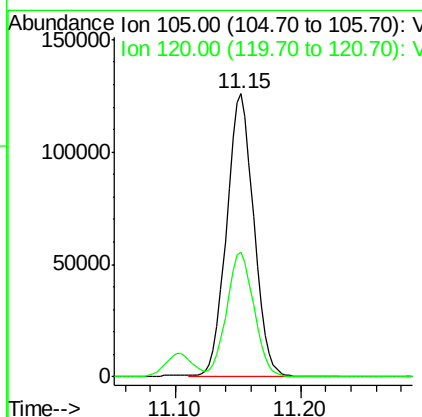
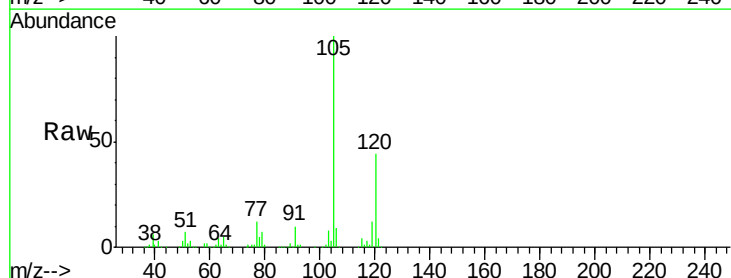
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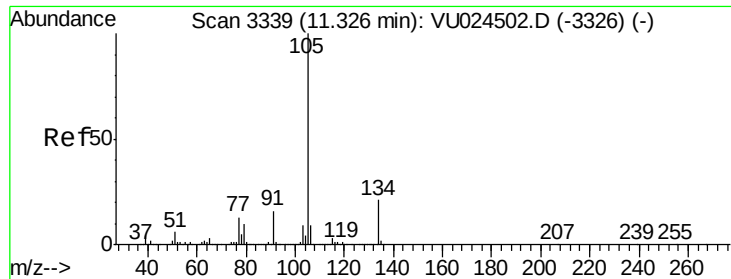
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.09 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.6	67.8





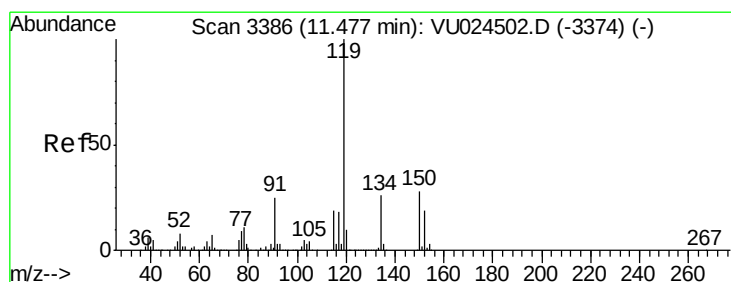
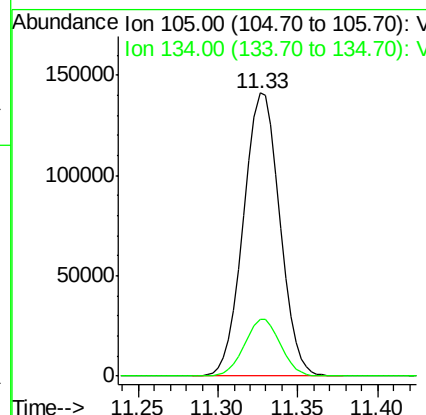
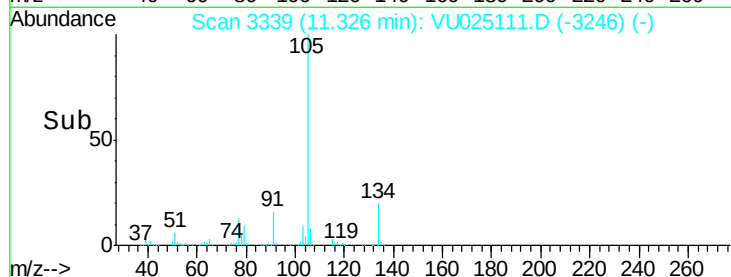
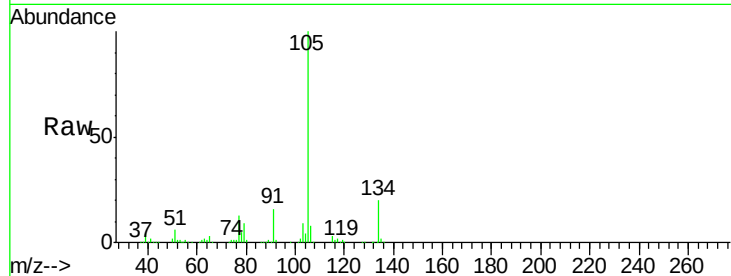
#85
 sec-Butylbenzene
 Concen: 20.41 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.7	29.1

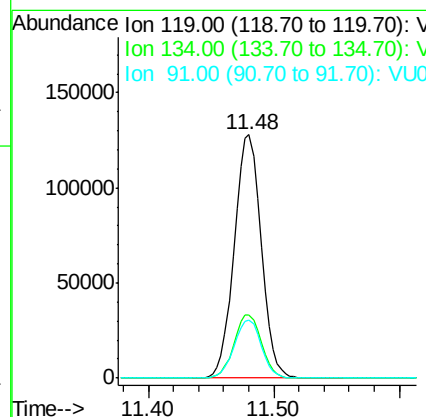
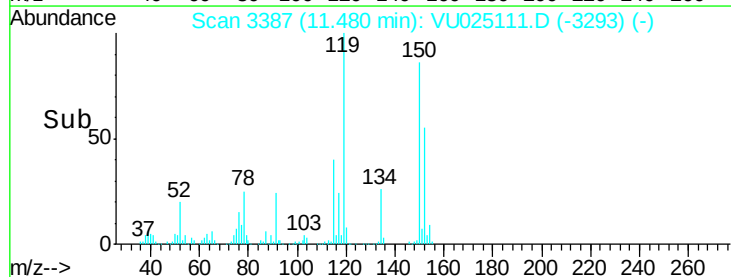
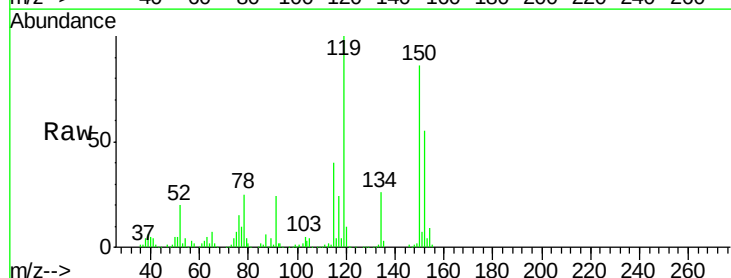
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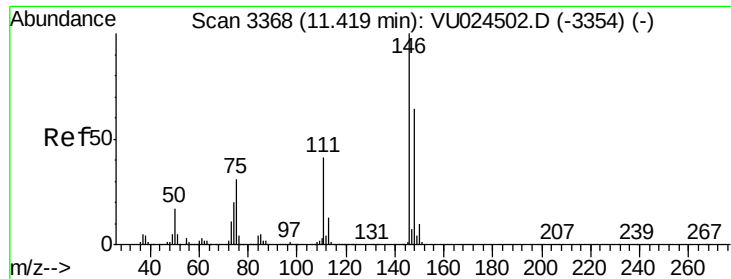
apatel
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#86
 p-Isopropyltoluene
 Concen: 19.92 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.6
91	24.2	12.0	36.1





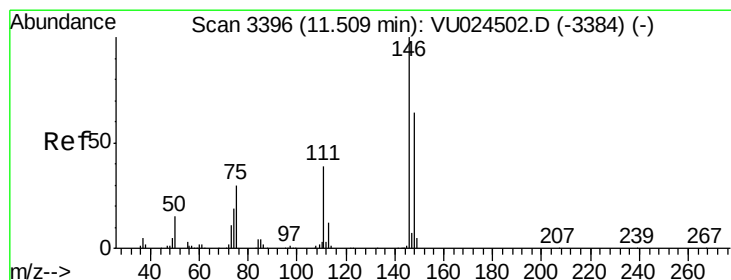
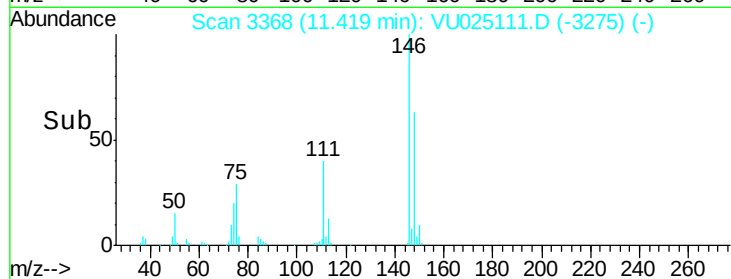
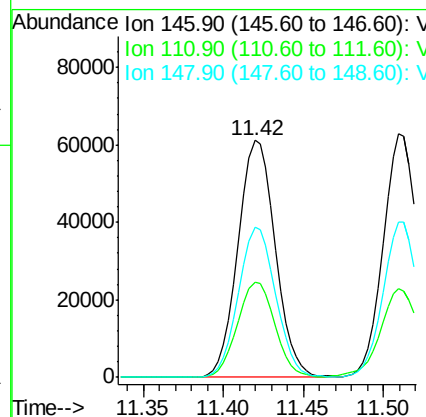
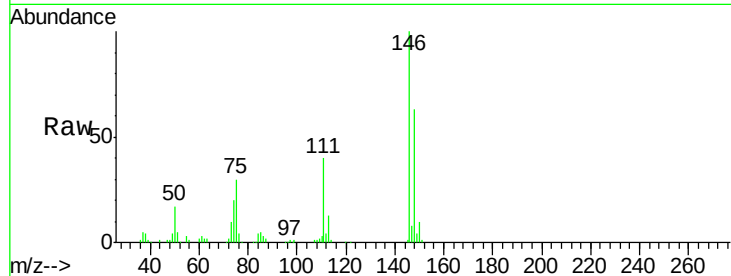
#87
 1,3-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.0	60.0
148	63.1	32.1	96.5

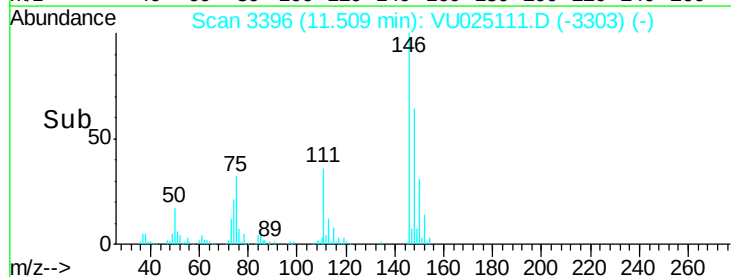
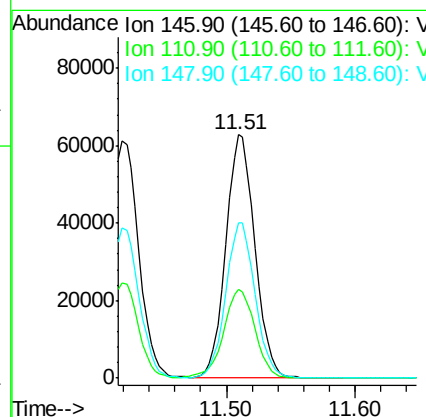
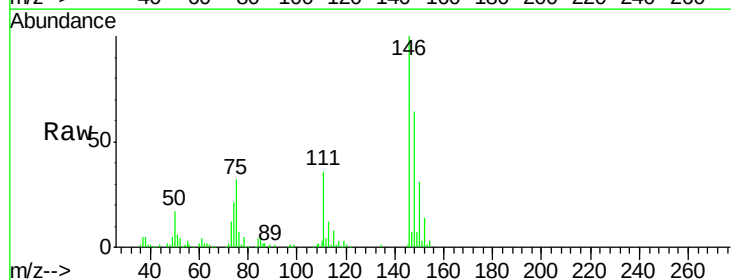
Manual Integrations
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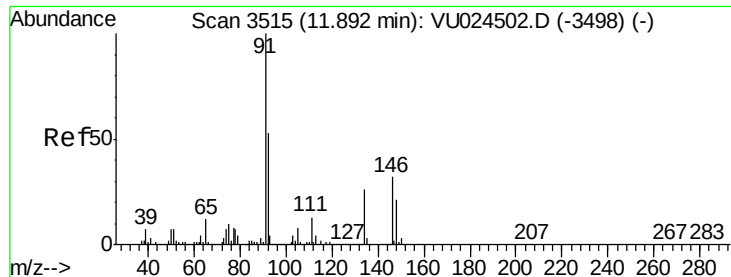
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#88
 1,4-Dichlorobenzene
 Concen: 20.33 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 16.54 ug/l

RT: 11.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

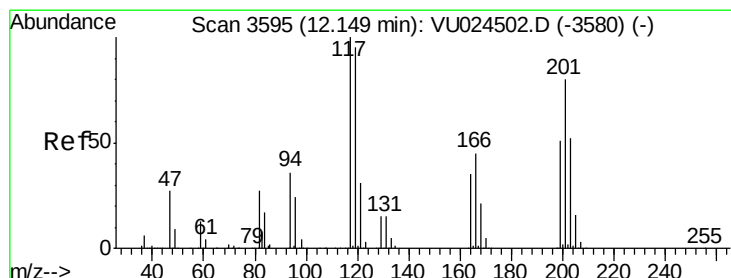
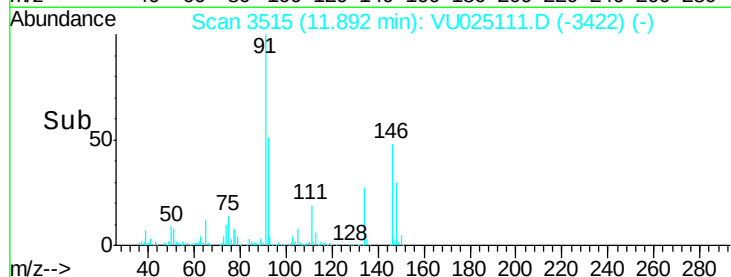
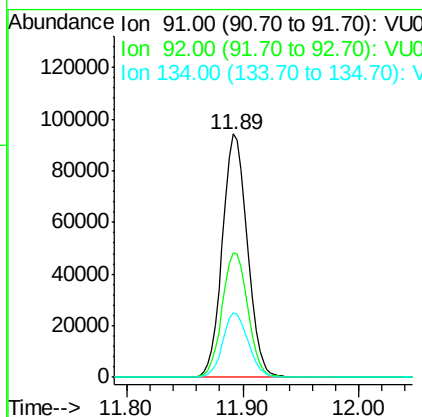
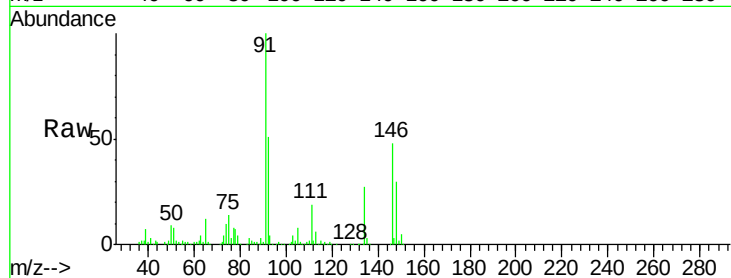
ClientSampleId :

VU0630WBS02

Tot Ion:	91	Resp:	140524
Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.6	76.8
134	26.8	12.3	36.8

Manual Integrations
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#90

Hexachloroethane

Concen: 17.33 ug/l

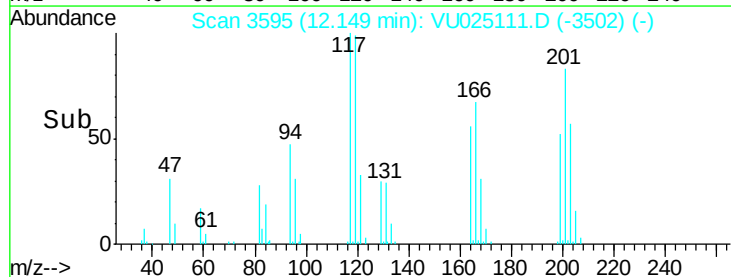
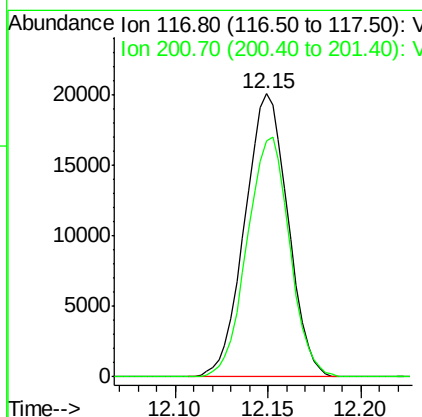
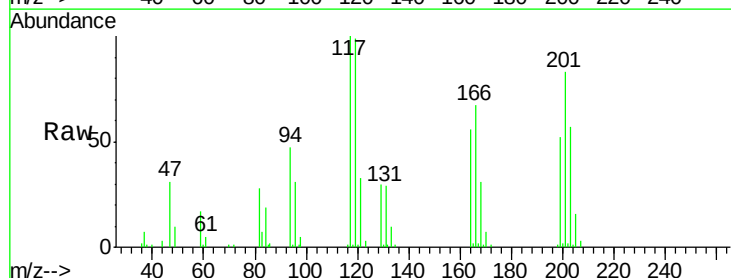
RT: 12.15 min Scan# 3595

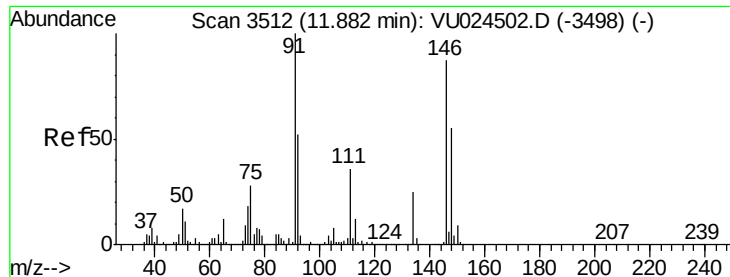
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	117	Resp:	32357
Ion	Ratio	Lower	Upper
117	100		
201	83.6	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 21.44 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

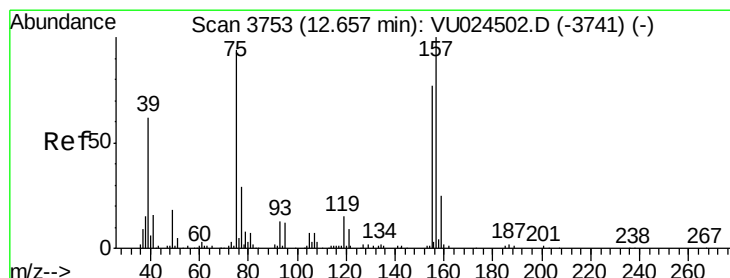
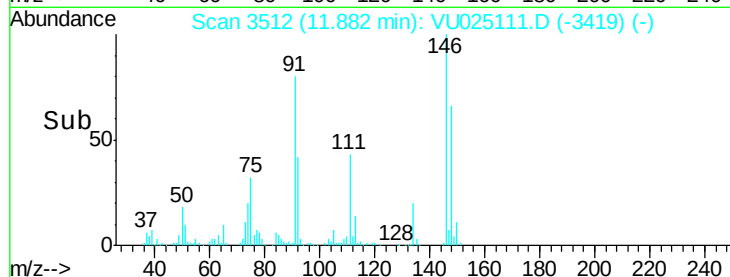
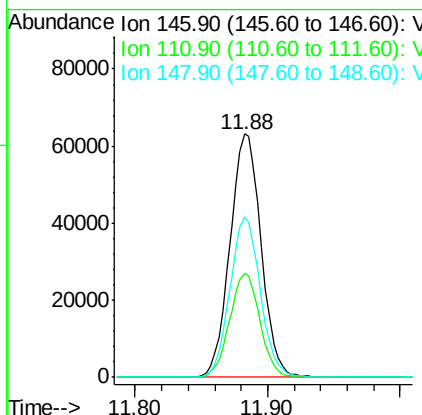
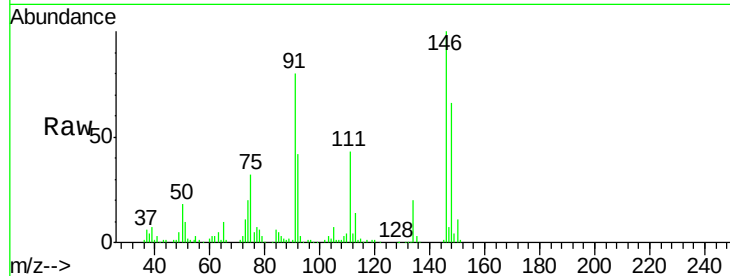
ClientSampleId :

VU0630WBS02

Tot Ion:	146	Resp:	102852
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.5	61.6
148	64.6	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.82 ug/l

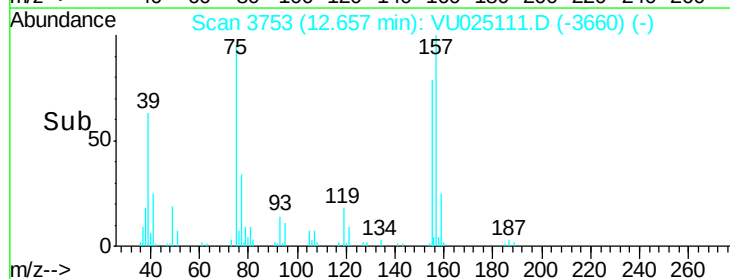
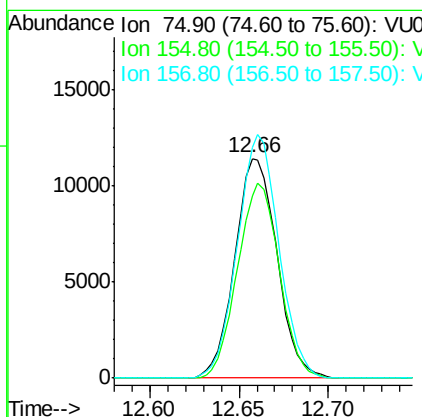
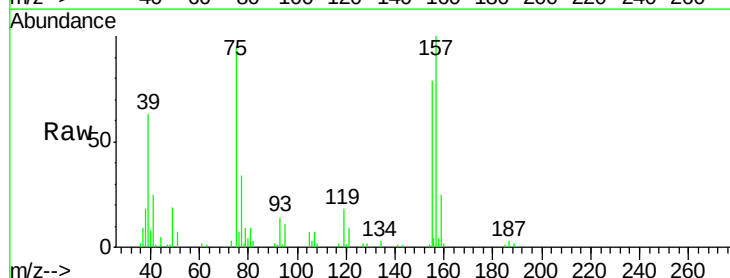
RT: 12.66 min Scan# 3753

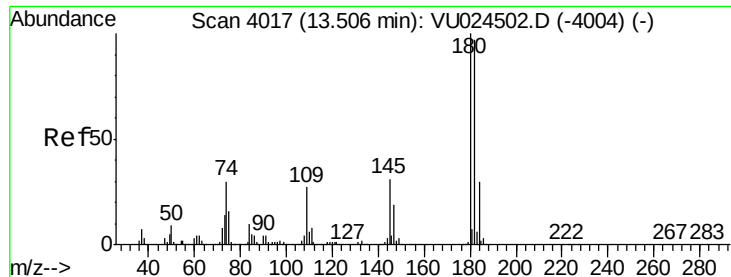
Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	75	Resp:	18763
Ion Ratio	Lower	Upper	
75	100		
155	87.9	40.4	121.2
157	109.1	52.3	156.8





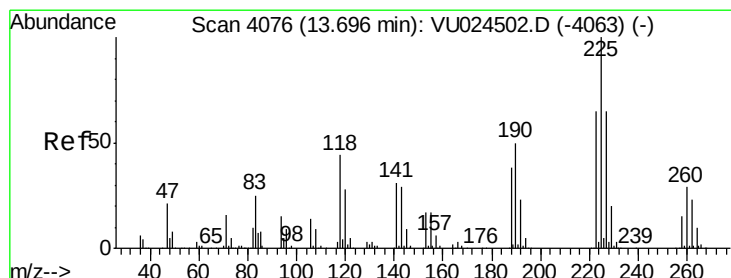
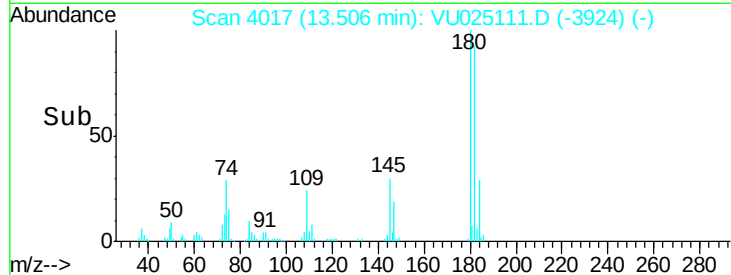
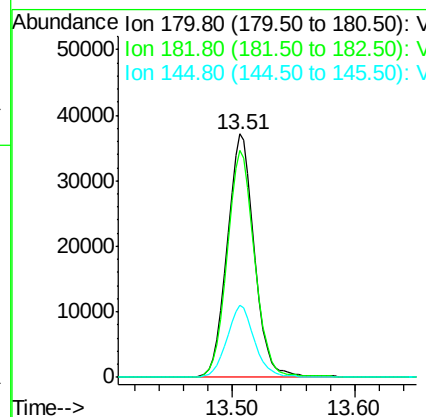
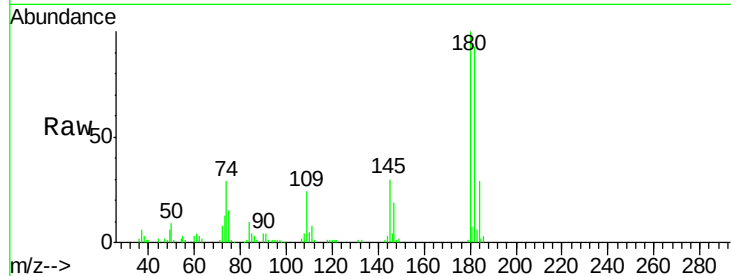
#93
 1,2,4-Trichlorobenzene
 Concen: 19.62 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0630WBS02

Tot Ion:	180	Resp:	58127
Ion Ratio	Lower	Upper	
180	100		
182	93.6	48.0	144.2
145	29.8	14.7	44.1

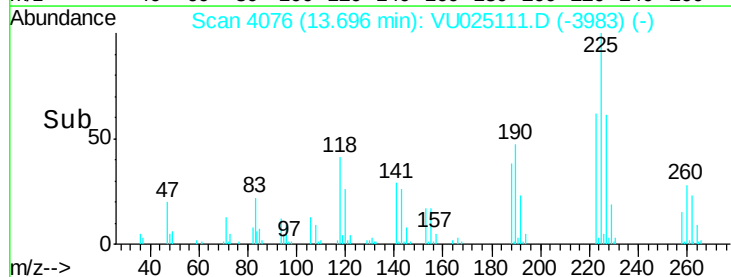
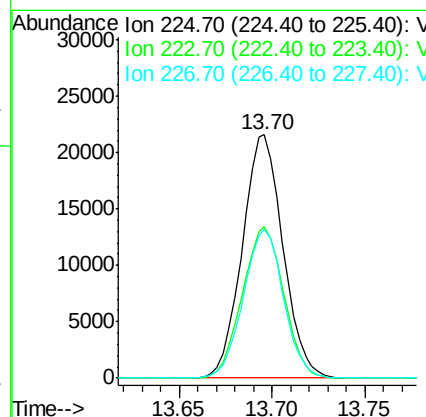
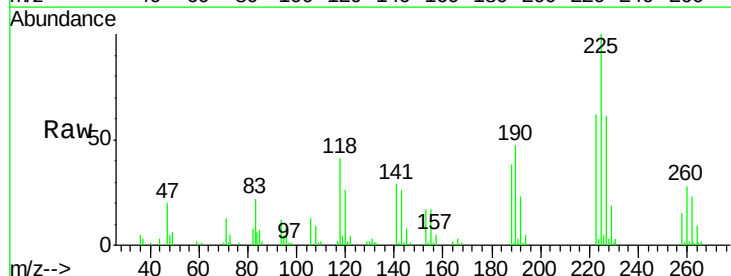
Manual Integrations
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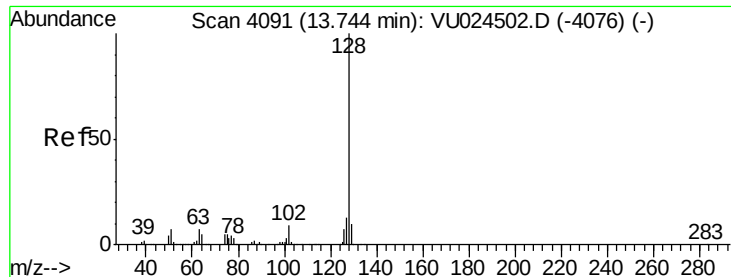
apatel
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#94
 Hexachlorobutadiene
 Concen: 19.73 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025111.D
 Acq: 01 Jul 2018 01:17

Tgt Ion:	225	Resp:	32892
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.3	93.8
227	60.3	31.8	95.4





#95

Naphthalene

Concen: 20.53 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Instrument :

MSVOA_U

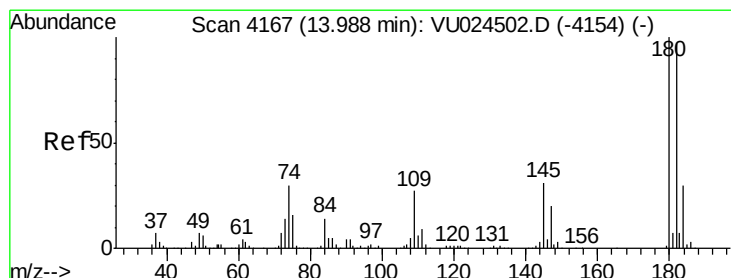
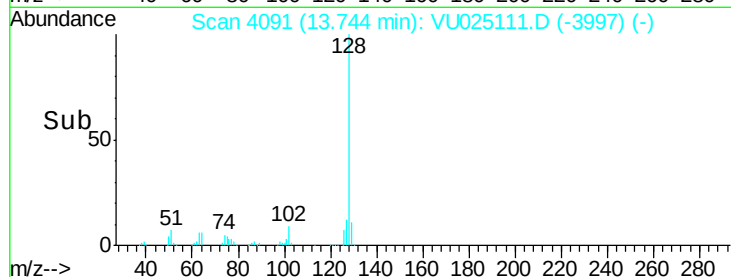
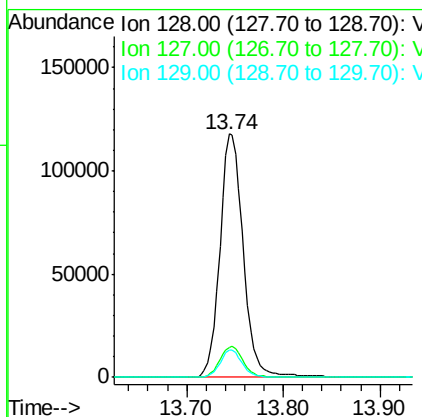
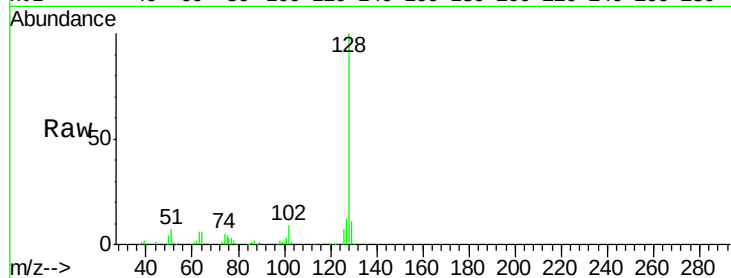
ClientSampleId :

VU0630WBS02

Tot Ion:	128	Resp:	197297
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	16.0
129	10.7	8.6	12.8

Manual Integrations
APPROVED

apatel
7/2/2018 4:16:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.16 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025111.D

Acq: 01 Jul 2018 01:17

Tgt Ion:	180	Resp:	62446
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.9	143.7
145	31.0	15.4	46.1

