

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023541.D
 Acq On : 30 Apr 2018 21:56
 Operator : MD/SY
 Sample : VU0430WBS01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0430WBS01

Manual Integrations
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 5/3/2018 4:49:15 PM

Quant Time: May 01 05:51:13 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 05:06:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	47125	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	15818	1.03	ug/l	0.00
Spiked Amount	1.000		Recovery	=	103.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15603	1.04	ug/l	0.00
Spiked Amount	1.000		Recovery	=	104.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	31573	2.06	ug/l	98
3) Chloromethane	1.33	50	36346	2.05	ug/l	99
4) Vinyl Chloride	1.40	62	34794	2.05	ug/l	91
5) Bromomethane	1.63	94	23502	2.58	ug/l	97
6) Chloroethane	1.70	64	19355	2.04	ug/l	97
7) Trichlorofluoromethane	1.89	101	39845	2.04	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	24102	2.01	ug/l	97
9) 1,1-Dichloroethene	2.29	96	21980	1.97	ug/l	95
10) Iodomethane	2.42	142	17059	1.29	ug/l	100
11) Allyl Chloride	2.60	41	39636	1.94	ug/l	98
12) Acrylonitrile	2.95	53	8970	3.90	ug/l	90
13) Acetone	2.35	43	18141	9.30	ug/l	98
14) Carbon Disulfide	2.48	76	71676	1.96	ug/l	99
15) Methylene Chloride	2.71	84	24428	1.93	ug/l	97
16) trans-1,2-Dichloroethene	2.99	96	23299	1.95	ug/l	98
17) 1,1-Dichloroethane	3.45	63	46744	1.99	ug/l	99
18) 2-Butanone	4.31	43	31440	9.98	ug/l	98
19) Cyclohexane	4.99	56	39645	1.95	ug/l	97
20) Methylcyclohexane	6.41	83	35971	1.74	ug/l	97
21) 2,2-Dichloropropane	4.23	77	34825	1.87	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	26016	2.02	ug/l	98
23) Diethyl Ether	2.11	59	18188	2.00	ug/l	99
24) tert-Butyl Alcohol	2.90	59	14462	21.82	ug/l #	97
25) Methyl tert-Butyl Ether	3.01	73	55354	1.98	ug/l	98
26) Bromochloromethane	4.55	128	10937	2.14	ug/l	94
27) Chloroform	4.68	83	44100	1.99	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	35947	1.98	ug/l	98
29) 1,1-Dichloropropene	5.13	75	36025	2.02	ug/l	99
30) Carbon Tetrachloride	5.13	117	29845	1.95	ug/l	96
31) Isopropyl Ether	3.58	45	76014	1.92	ug/l	99
32) Ethyl-t-butyl ether	4.09	59	64795	1.91	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	52564	1.83	ug/l	99
34) Propionitrile	4.37	54	9601	10.70	ug/l #	94
35) Benzene	5.39	78	106215	2.01	ug/l	99
36) 1,2-Dichloroethane	5.41	62	30790	2.06	ug/l	100
37) Trichloroethene	6.19	130	27099	1.91	ug/l	98
38) 1,2-Dichloropropane	6.44	63	28101	1.94	ug/l	97
39) Methacrylonitrile	4.56	41	9172	2.00	ug/l	95
40) Methyl acrylate	4.44	55	12764	2.01	ug/l #	98
41) Tetrahydrofuran	4.68	42	9513	4.02	ug/l	96
42) 1-Chlorobutane	5.07	56	50163	1.94	ug/l	100

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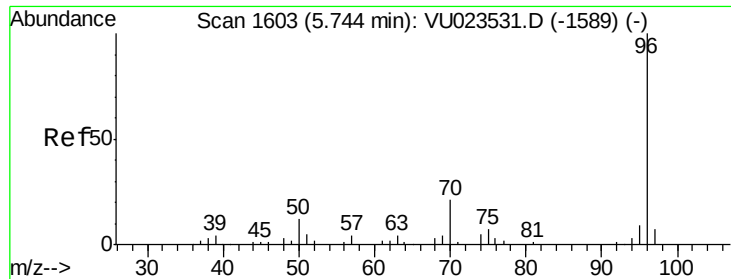
Manual Integrations
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Quant Time: May 01 05:51:13 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 05:06:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	12634	2.02	ug/l	99
44) Bromodichloromethane	6.76	83	30125	1.92	ug/l	98
45) 4-Methyl-2-Pentanone	7.48	43	73133	9.91	ug/l	96
46) t-1,4-Dichloro-2-butene	10.52	75	8050m	3.69	ug/l	
47) Methyl methacrylate	6.64	69	21921	3.87	ug/l	97
48) Ethyl methacrylate	8.03	69	17747	1.79	ug/l	94
49) Toluene	7.64	92	57666	1.89	ug/l	95
50) t-1,3-Dichloropropene	7.89	75	25159	1.88	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	32049	1.84	ug/l	99
52) 1,1,2-Trichloroethane	8.08	97	18100	2.04	ug/l	98
53) 1,3-Dichloropropane	8.25	76	31771	2.01	ug/l	99
54) 2-Hexanone	8.38	43	46884	9.32	ug/l	96
55) Dibromochloromethane	8.48	129	19089	1.96	ug/l	98
56) 1,2-Dibromoethane	8.59	107	15435	2.02	ug/l	99
58) Tetrachloroethene	8.23	164	25808	1.99	ug/l	99
59) Chlorobenzene	9.12	112	65042	1.99	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	20887	1.88	ug/l	97
61) Pentachloroethane	11.10	117	17004	2.15	ug/l	92
62) Hexachloroethane	12.15	117	15608	2.06	ug/l	95
63) Ethyl Benzene	9.25	91	101104	1.86	ug/l	99
64) m/p-Xylenes	9.38	106	79511	3.79	ug/l	100
65) o-Xylene	9.78	106	39560	1.96	ug/l	99
66) Styrene	9.80	104	64550	1.94	ug/l	99
67) Bromoform	9.96	173	9915	1.95	ug/l	97
69) Isopropylbenzene	10.17	105	100636	1.93	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	21736	2.17	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	17620m	2.46	ug/l	
72) Bromobenzene	10.46	156	26552	2.05	ug/l	97
73) n-propylbenzene	10.59	120	28362	1.97	ug/l	99
74) 2-Chlorotoluene	10.66	126	25454	2.00	ug/l	98
75) 1,3,5-Trimethylbenzene	10.78	105	87267	1.99	ug/l	99
76) 4-Chlorotoluene	10.78	126	26774	2.03	ug/l	99
77) tert-Butylbenzene	11.10	119	81452	1.98	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	88813	2.01	ug/l	99
79) sec-Butylbenzene	11.33	105	115913	2.01	ug/l	99
80) Nitrobenzene	12.87	77	3545	10.53	ug/l #	97
81) p-Isopropyltoluene	11.48	119	93284	1.97	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	53541	2.07	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	53950	2.09	ug/l	98
84) n-Butylbenzene	11.89	91	89847	1.95	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	47367	2.03	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	2973	2.10	ug/l	95
87) 1,2,4-Trichlorobenzene	13.51	180	32748	1.94	ug/l	99
88) Hexachlorobutadiene	13.70	225	21318	2.08	ug/l	97
89) Naphthalene	13.75	128	45558	1.79	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	31203	1.97	ug/l	96

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

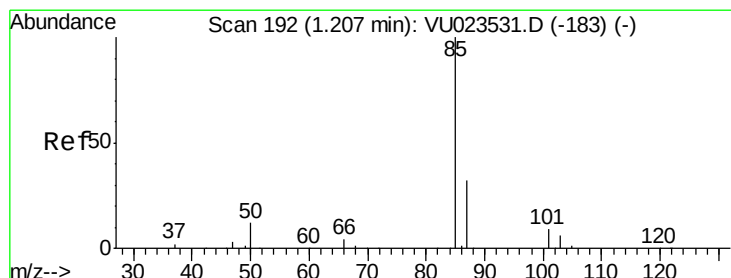
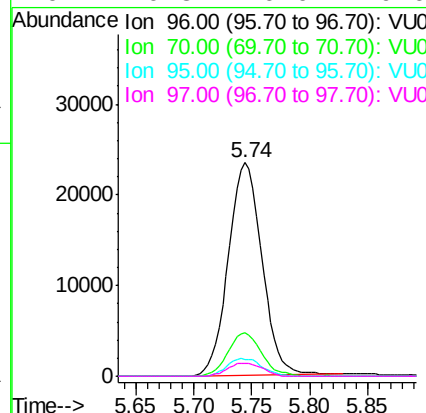
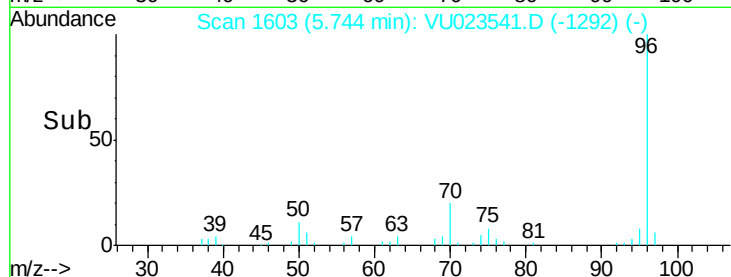
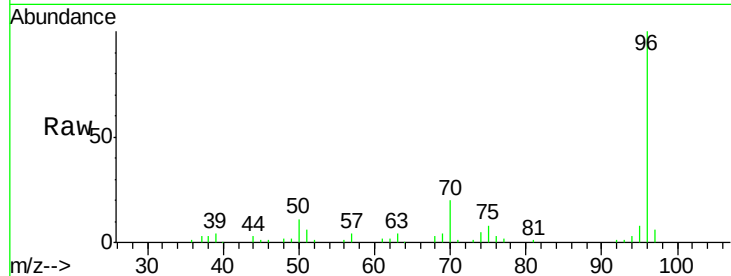
ClientSampleId :

VU0430WBS01

Tot Ion:	96	Resp:	47125
Ion Ratio	Lower	Upper	
96	100		
70	20.5	16.2	24.4
95	8.5	6.9	10.3
97	6.3	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 2.06 ug/l

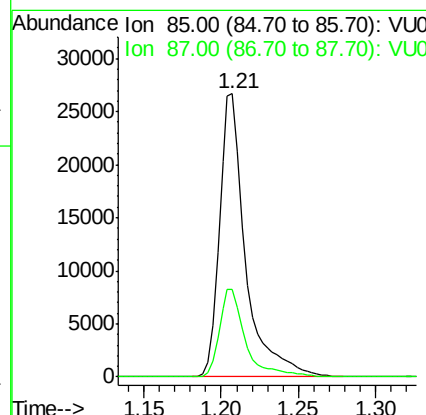
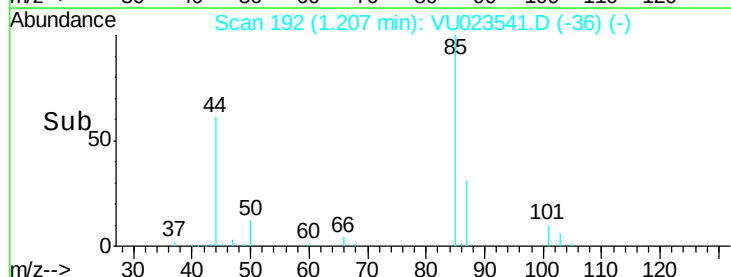
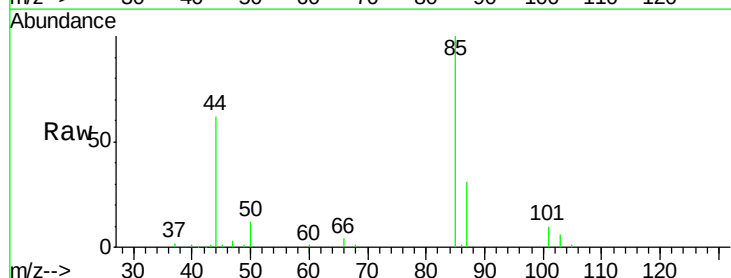
RT: 1.21 min Scan# 192

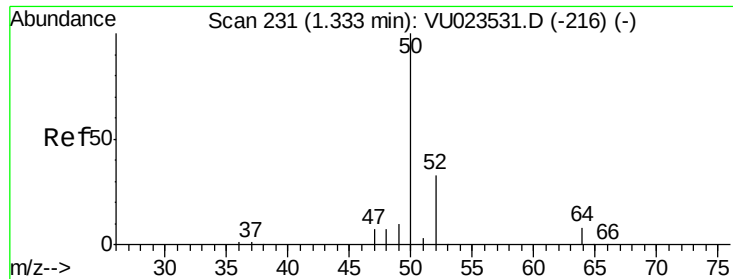
Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	85	Resp:	31573
Ion Ratio	Lower	Upper	
85	100		
87	30.9	16.2	48.5





#3

Chloromethane

Concen: 2.05 ug/l

RT: 1.33 min Scan# 231

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 50 Resp: 36346

Ion Ratio Lower Upper

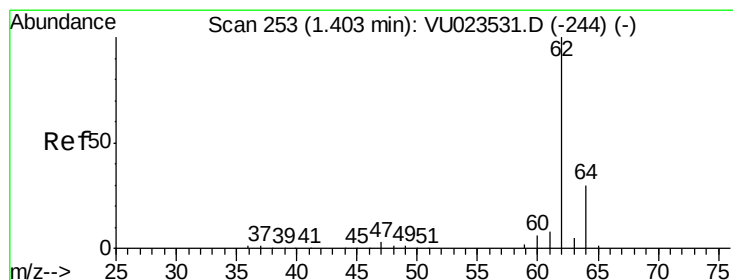
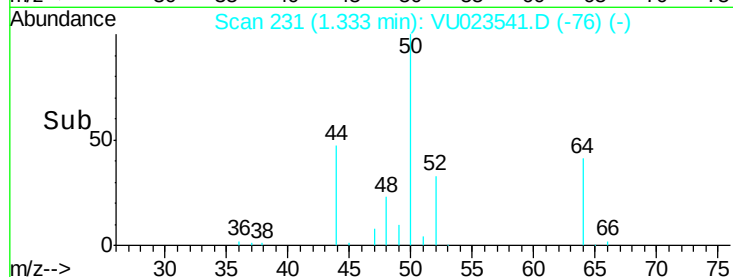
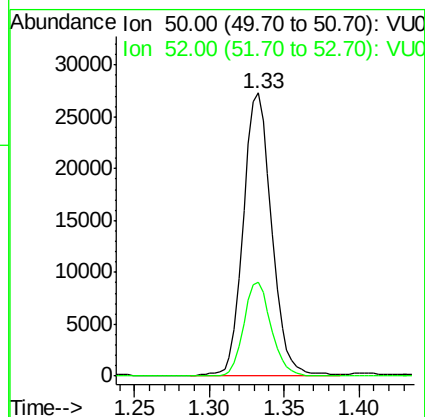
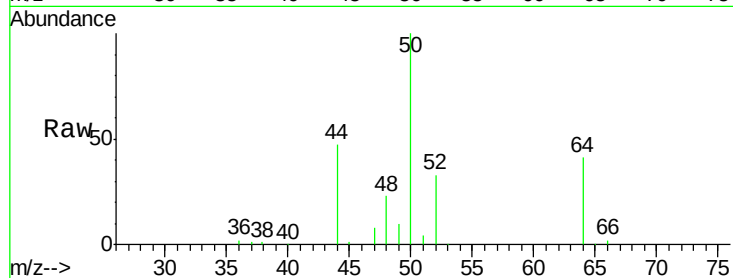
50 100

52 33.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 2.05 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023541.D

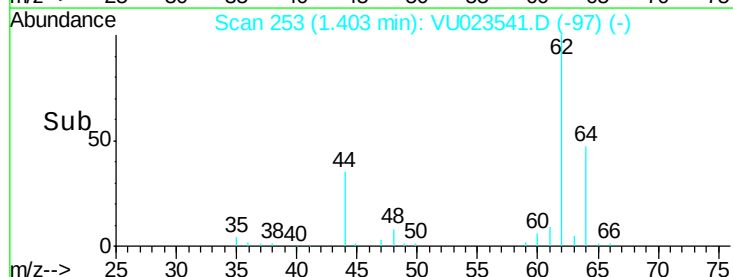
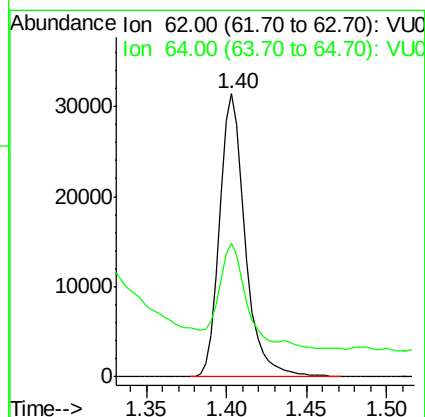
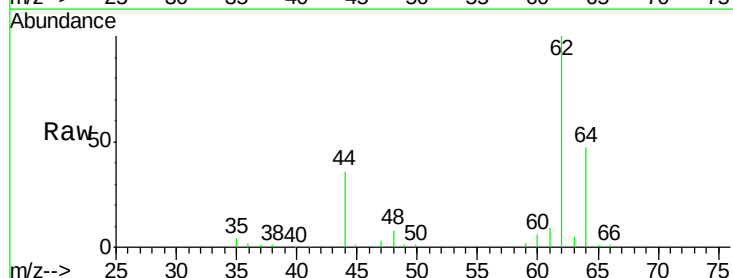
Acq: 30 Apr 2018 21:56

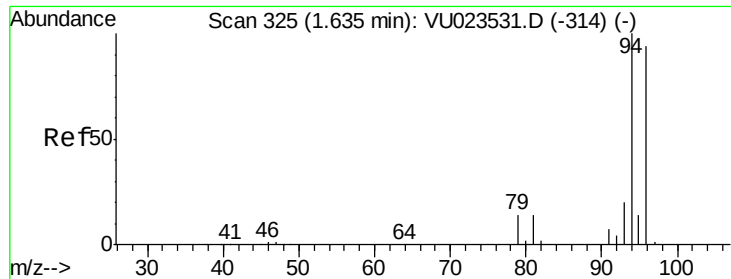
Tgt Ion: 62 Resp: 34794

Ion Ratio Lower Upper

62 100

64 37.2 25.8 38.8





#5

Bromomethane

Concen: 2.58 ug/l

RT: 1.63 min Scan# 324

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 94 Resp: 23502

Ion Ratio Lower Upper

94 100

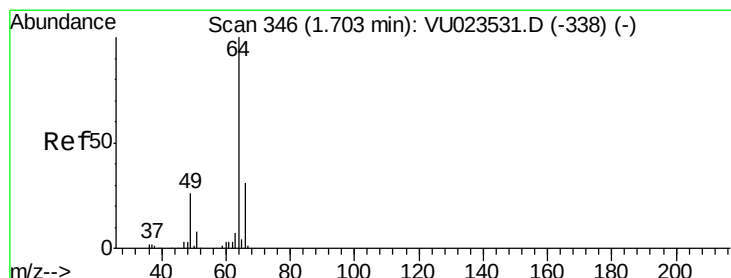
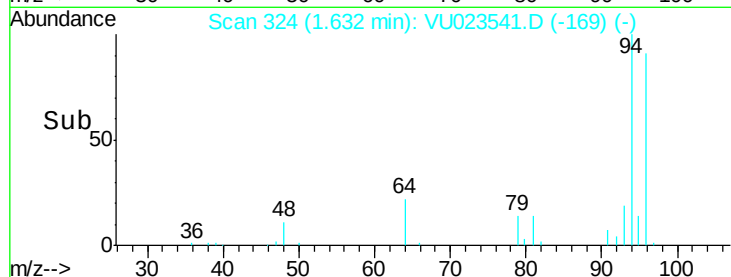
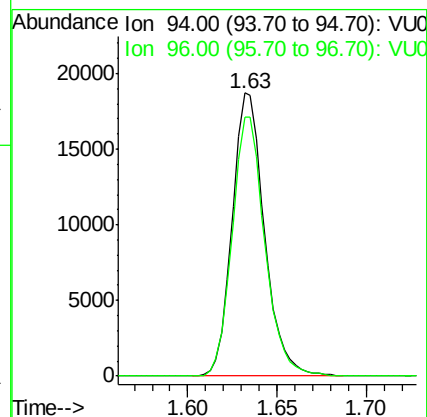
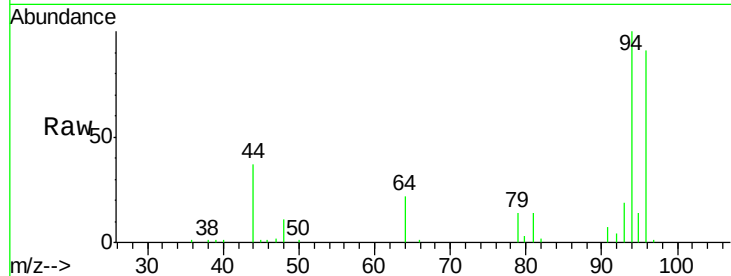
96 91.3 75.1 112.7

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#6

Chloroethane

Concen: 2.04 ug/l

RT: 1.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU023541.D

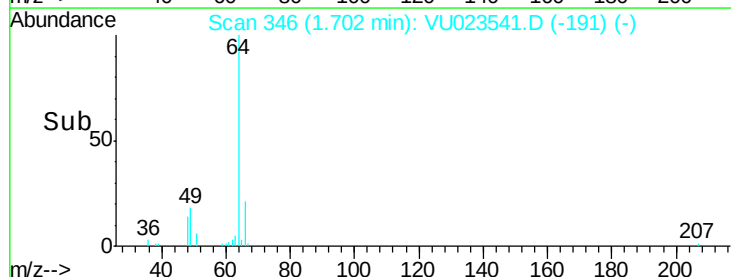
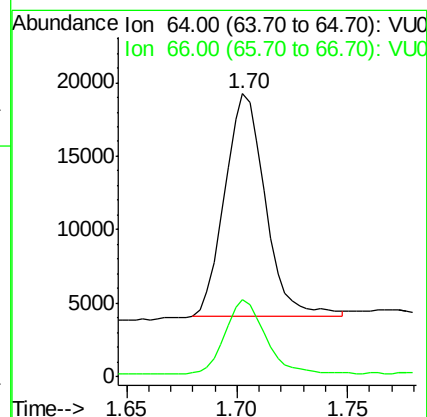
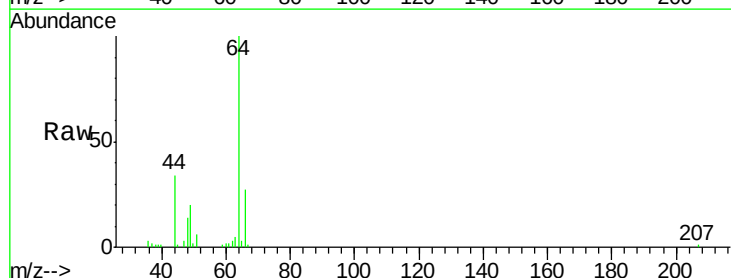
Acq: 30 Apr 2018 21:56

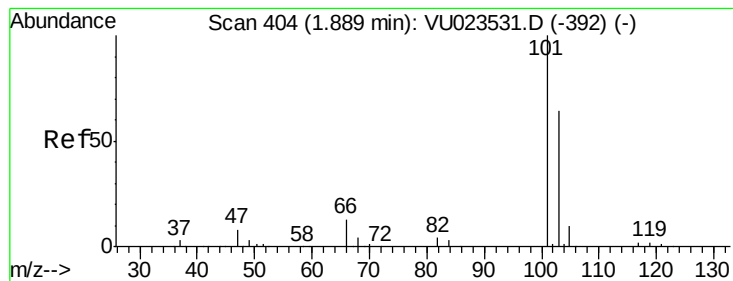
Tgt Ion: 64 Resp: 19355

Ion Ratio Lower Upper

64 100

66 32.8 24.9 37.3





#7

Trichlorofluoromethane

Concen: 2.04 ug/l

RT: 1.89 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:101 Resp: 39845

Ion Ratio Lower Upper

101 100

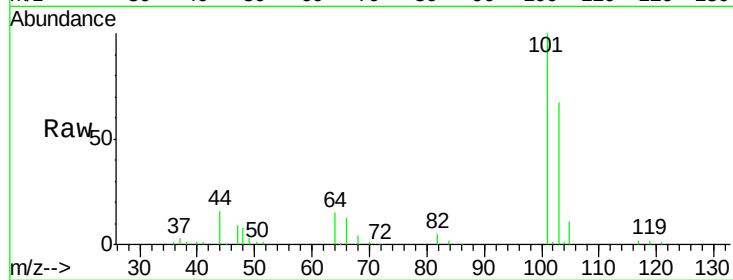
103 66.9 51.4 77.0

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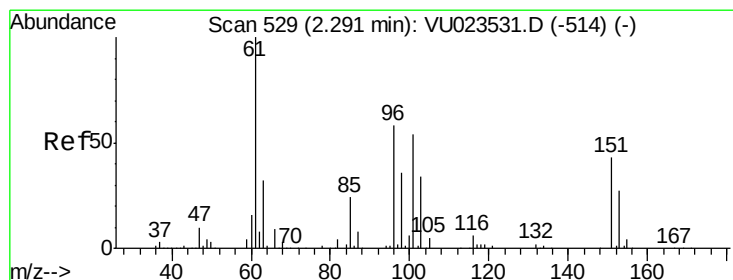
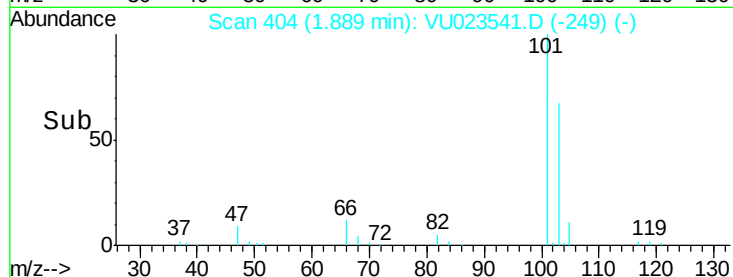
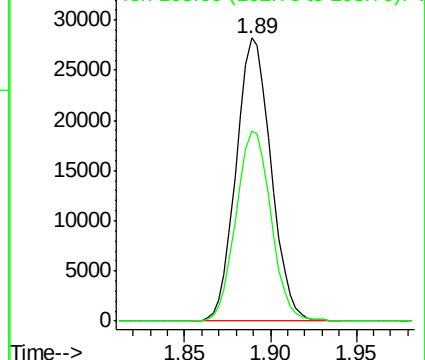
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.01 ug/l

RT: 2.29 min Scan# 529

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

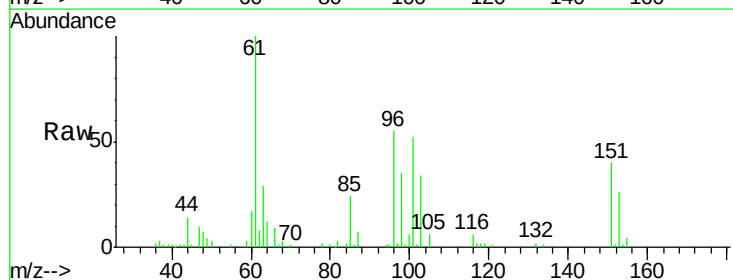
Tgt Ion:101 Resp: 24102

Ion Ratio Lower Upper

101 100

85 42.5 35.2 52.8

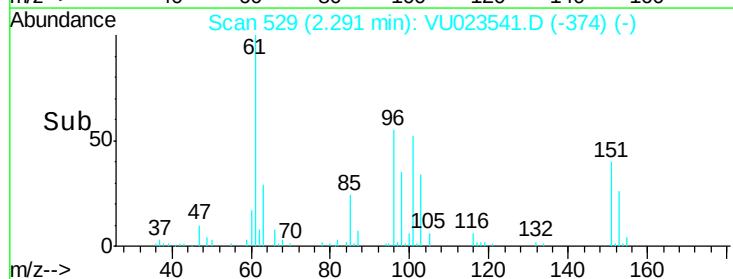
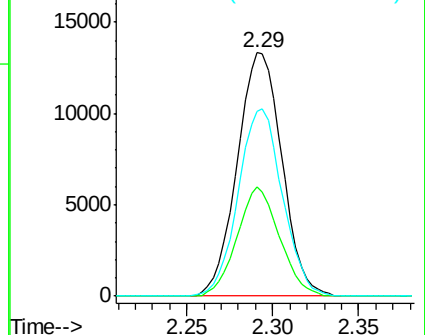
151 76.2 63.5 95.3

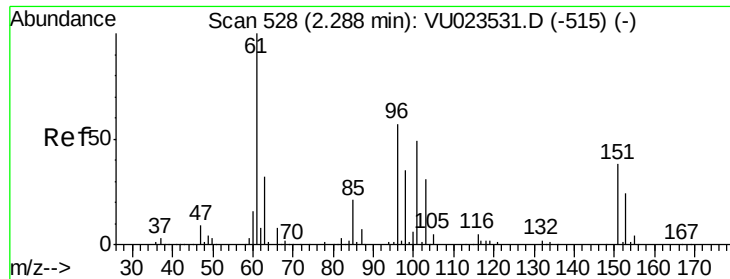


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 1.97 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

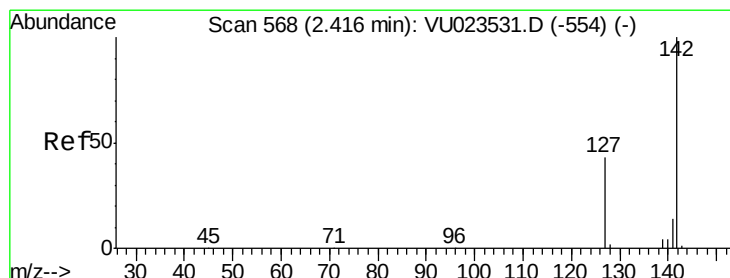
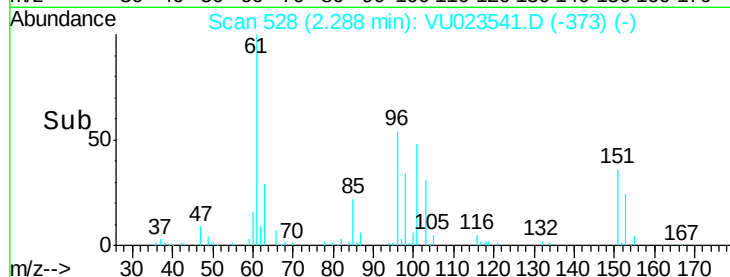
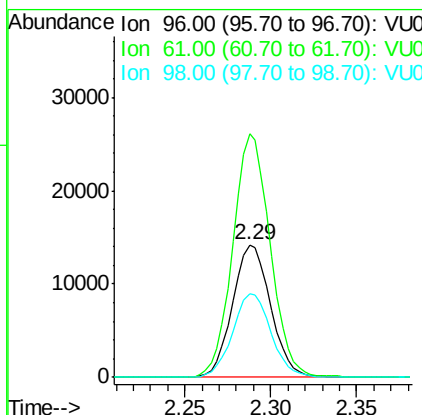
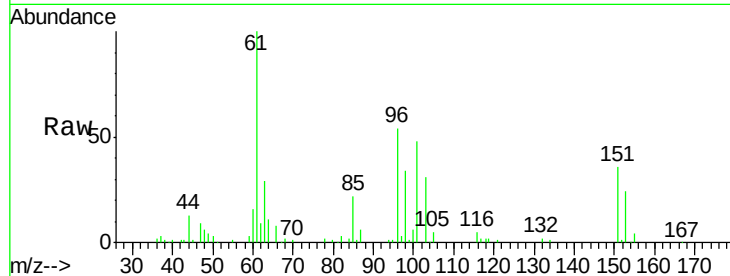
ClientSampleId :

VU0430WBS01

Tot Ion:	96	Resp:	21980
Ion	Ratio	Lower	Upper
96	100		
61	183.6	0.0	526.5
98	63.0	0.0	123.4

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#10

Iodomethane

Concen: 1.29 ug/l

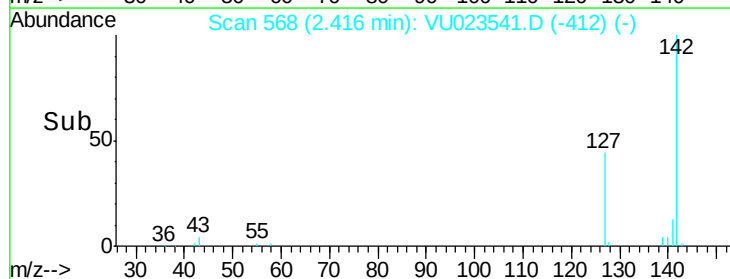
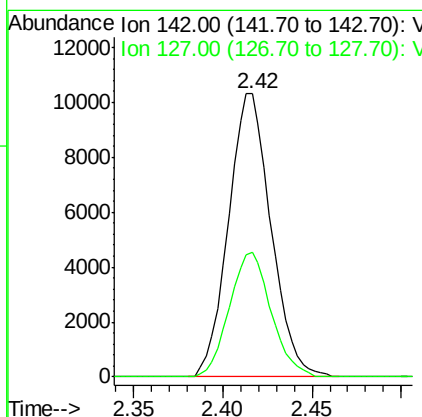
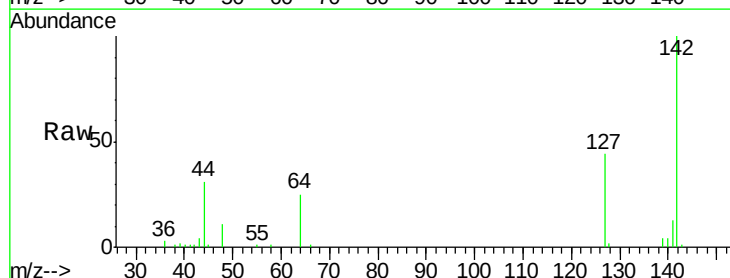
RT: 2.42 min Scan# 568

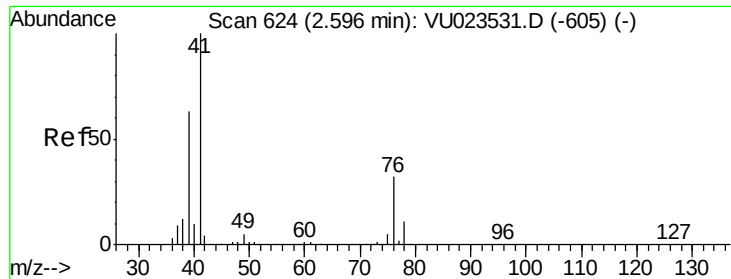
Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	142	Resp:	17059
Ion	Ratio	Lower	Upper
142	100		
127	43.0	34.5	51.7





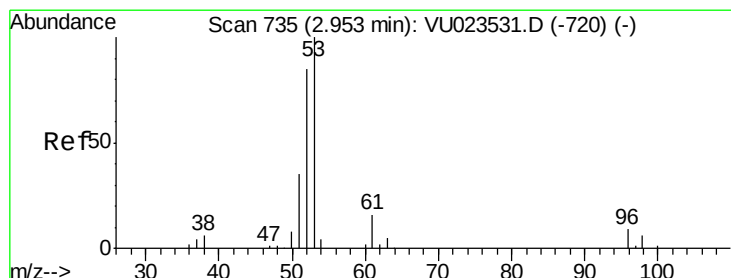
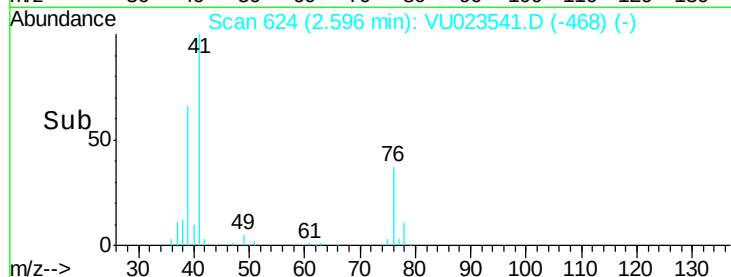
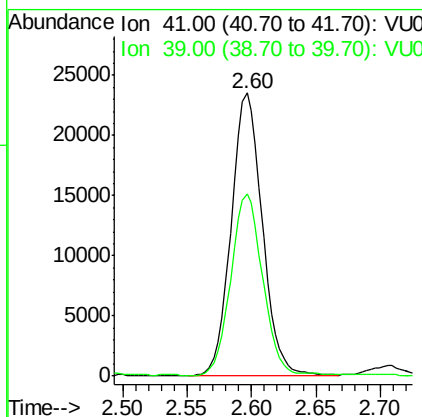
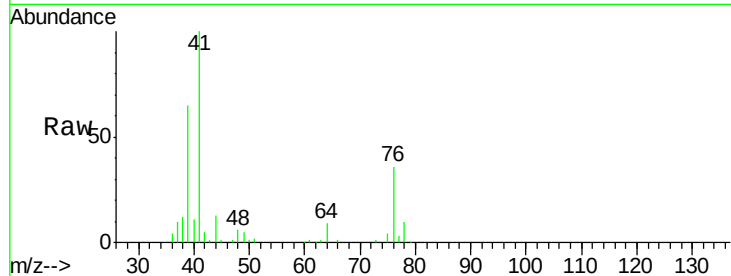
#11
Allvl Chloride
Concen: 1.94 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.2	51.4	77.2

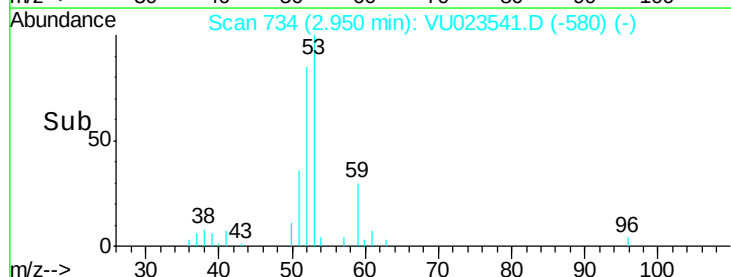
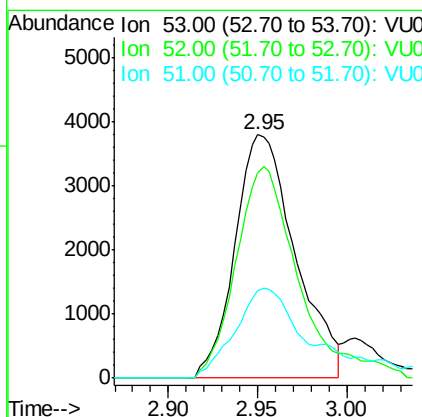
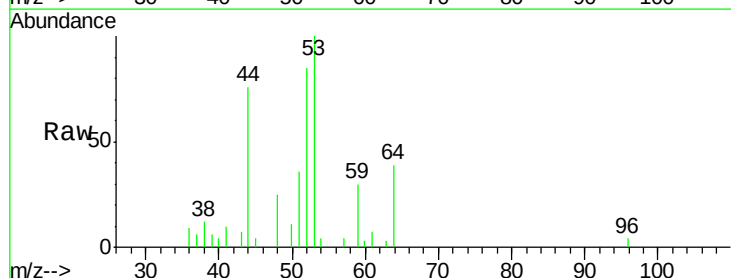
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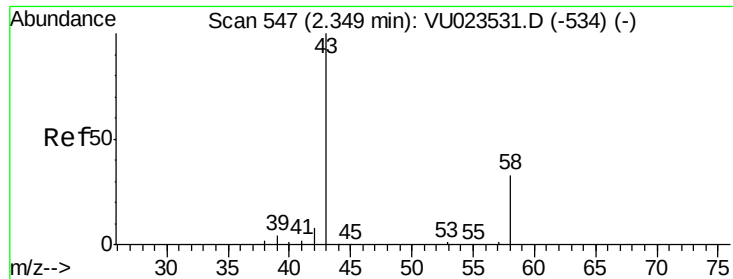
apatel
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#12
Acrylonitrile
Concen: 3.90 ug/l
RT: 2.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
53	100		
52	90.2	65.1	97.7
51	44.5	30.2	45.4





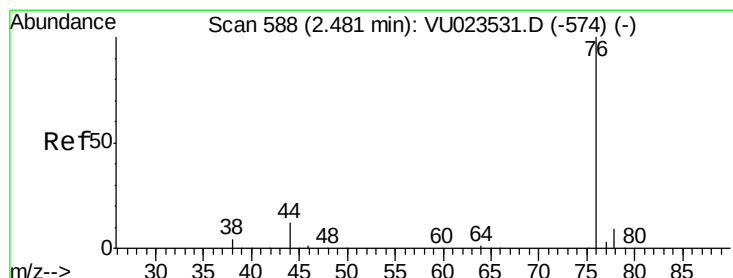
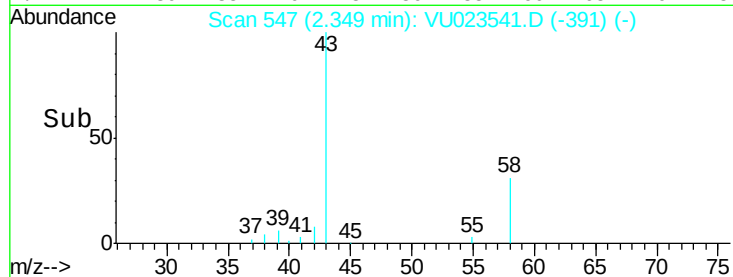
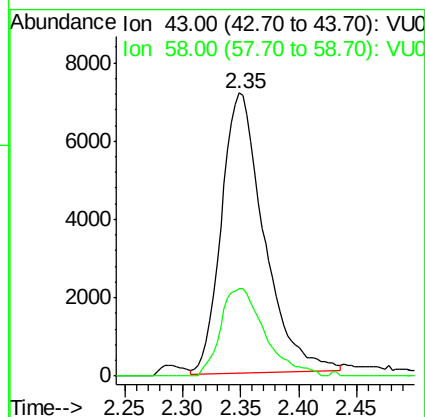
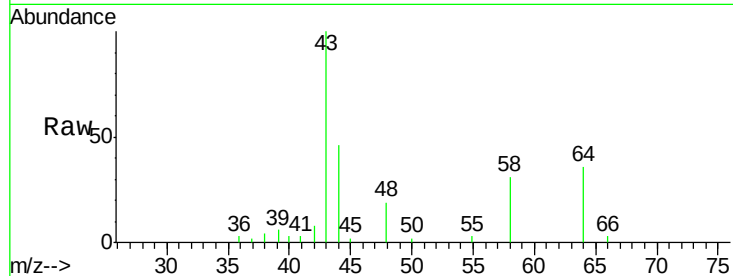
#13
Acetone
Concen: 9.30 ug/l
RT: 2.35 min Scan# 547
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion: 43 Resp: 18141
Ion Ratio Lower Upper
43 100
58 31.4 26.0 39.0

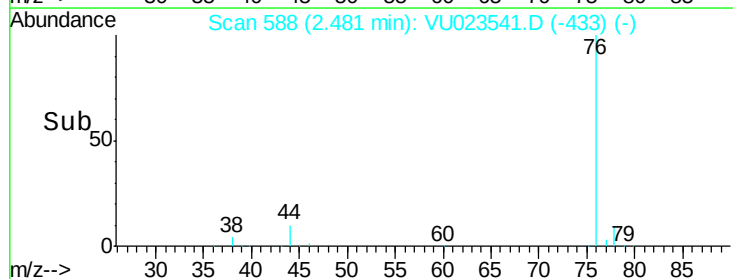
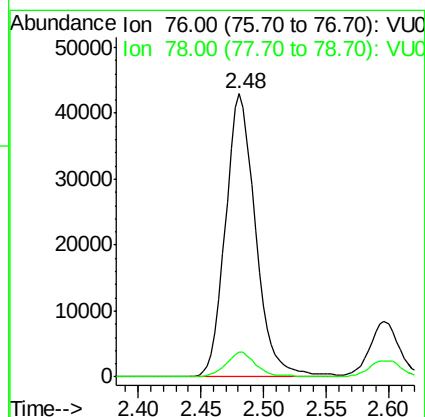
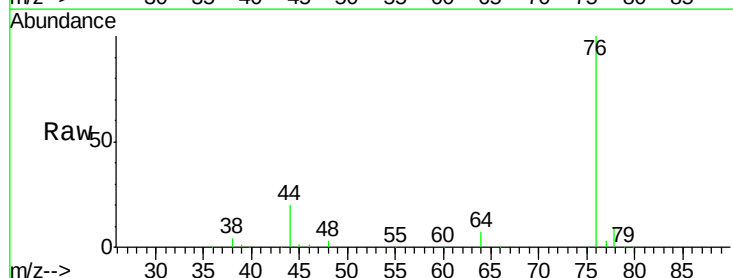
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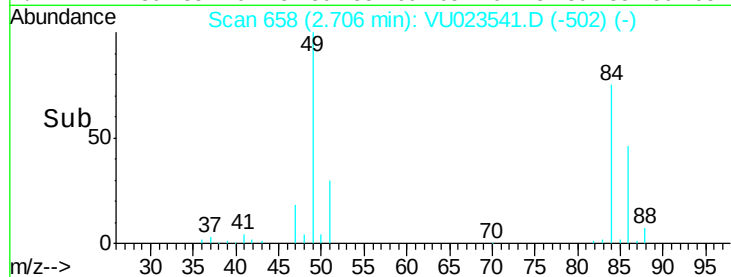
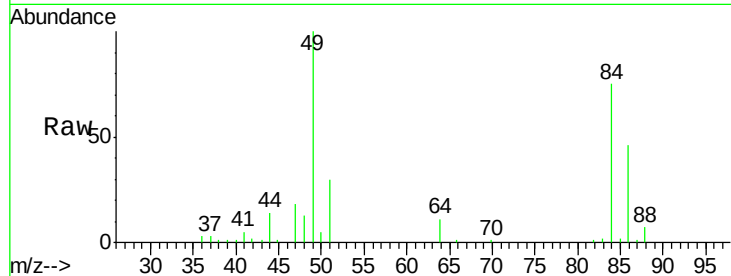
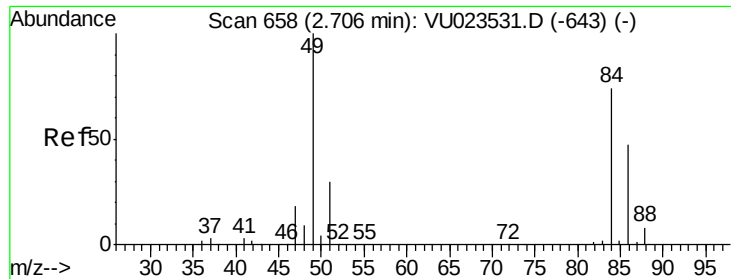
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#14
Carbon Disulfide
Concen: 1.96 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion: 76 Resp: 71676
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9





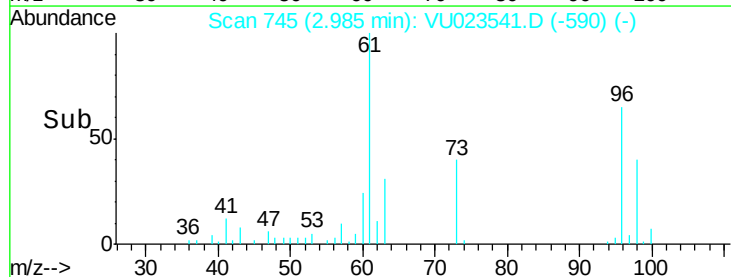
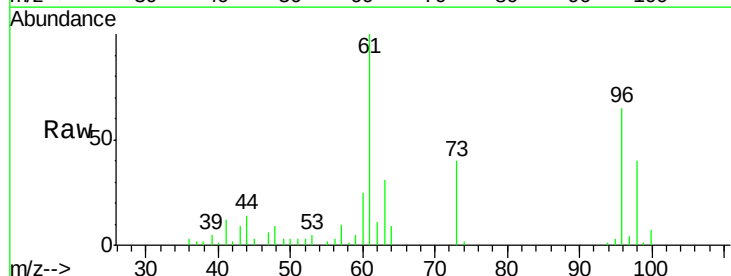
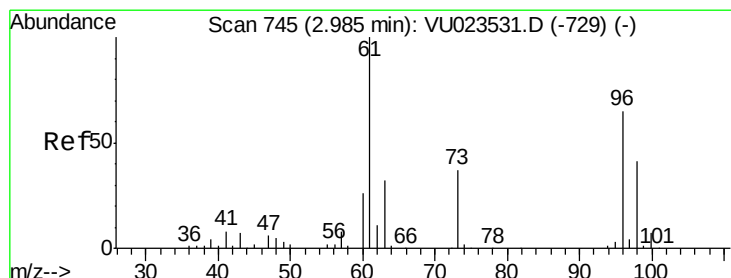
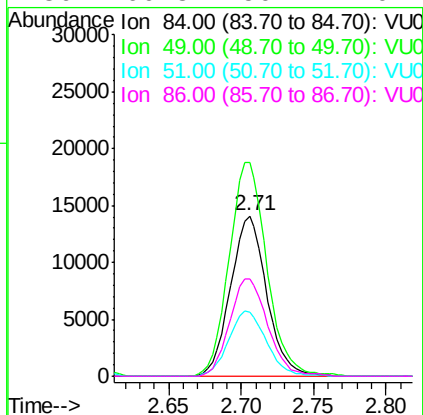
#15
Methylene Chloride
Concen: 1.93 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tot Ion	84	Resp	24428
Ion	Ratio	Lower	Upper
84	100		
49	133.2	108.7	163.1
51	40.0	0.0	82.4
86	60.8	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

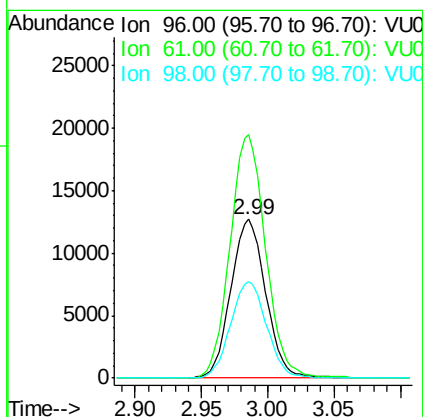
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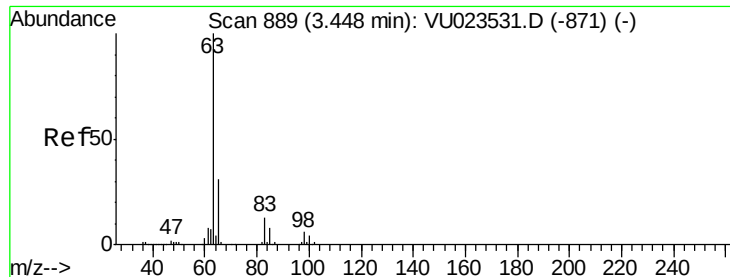
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#16
trans-1,2-Dichloroethene
Concen: 1.95 ug/l
RT: 2.99 min Scan# 745
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	96	Resp	23299
Ion	Ratio	Lower	Upper
96	100		
61	153.1	123.9	185.9
98	61.0	50.6	76.0





#17

1,1-Dichloroethane

Concen: 1.99 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

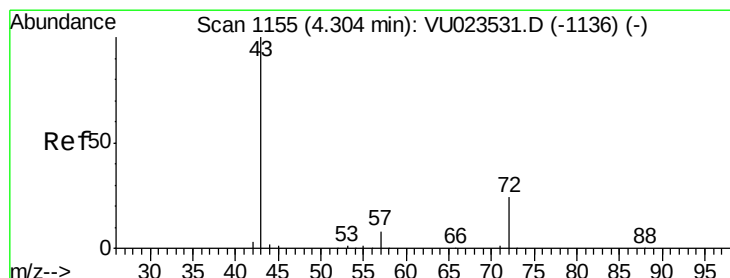
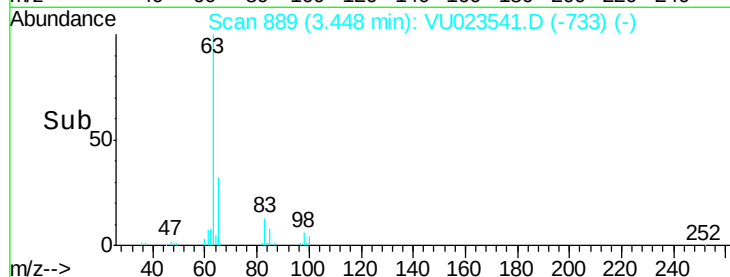
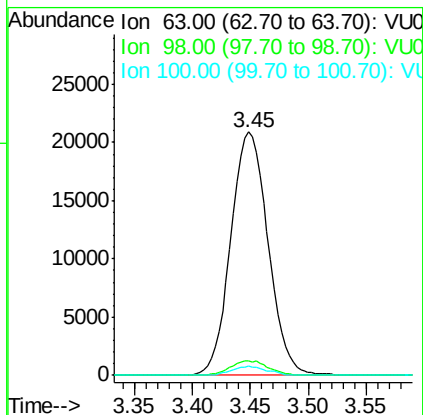
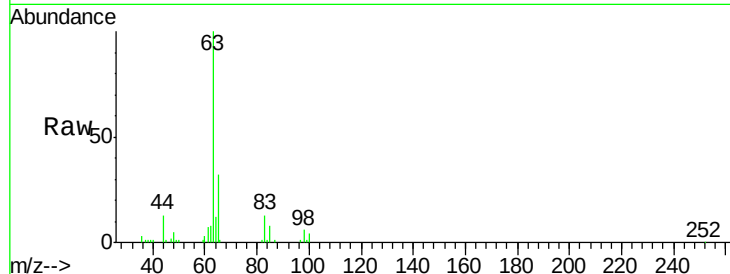
ClientSampleId :

VU0430WBS01

Tot Ion:	63	Resp:	46744
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.7	2.0	5.8

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#18

2-Butanone

Concen: 9.98 ug/l

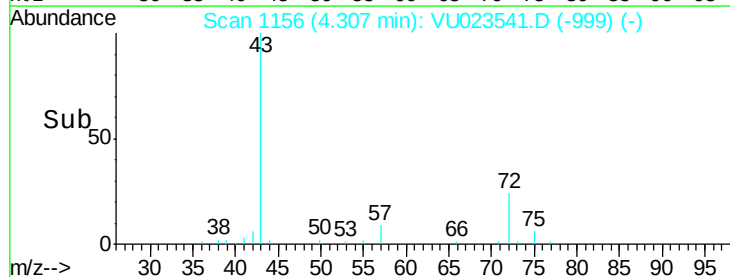
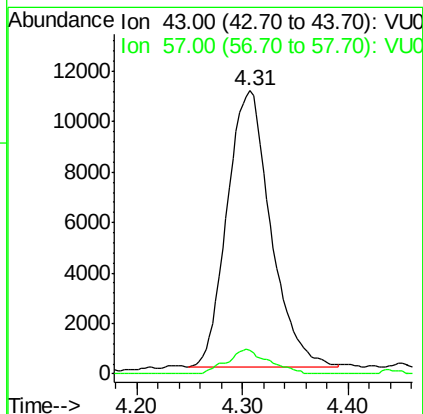
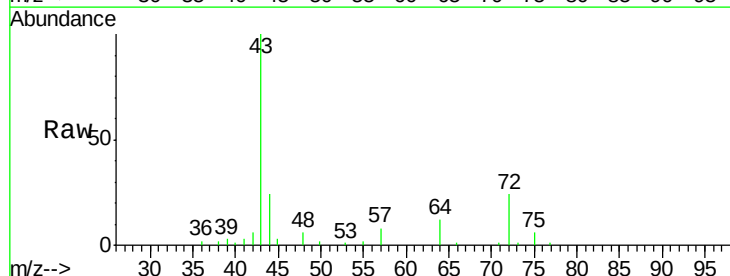
RT: 4.31 min Scan# 1156

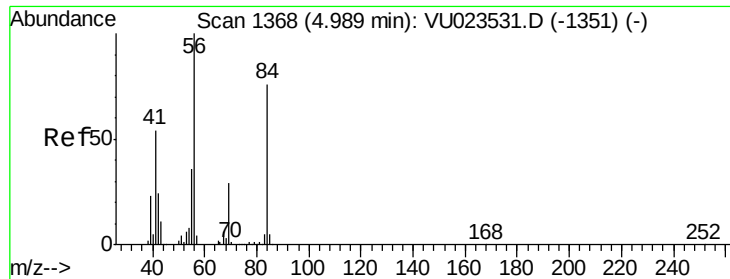
Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	43	Resp:	31440
Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	15.8





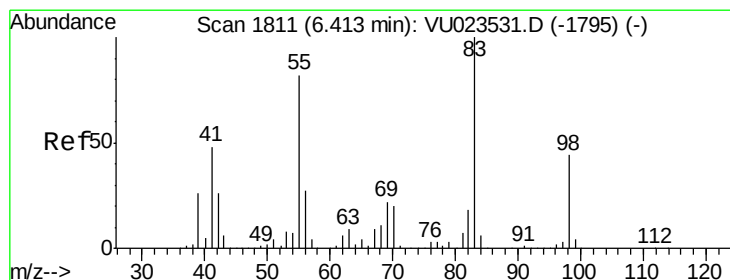
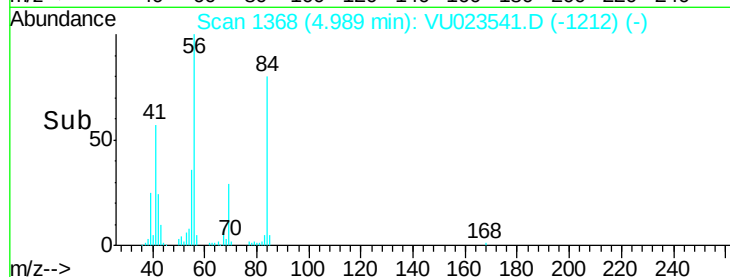
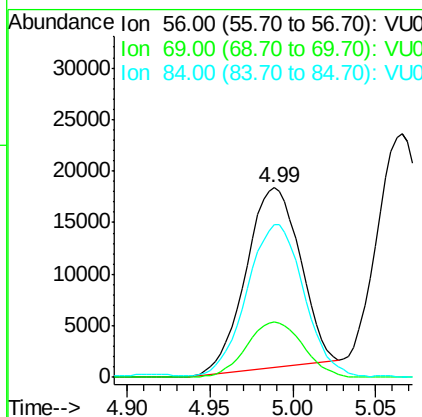
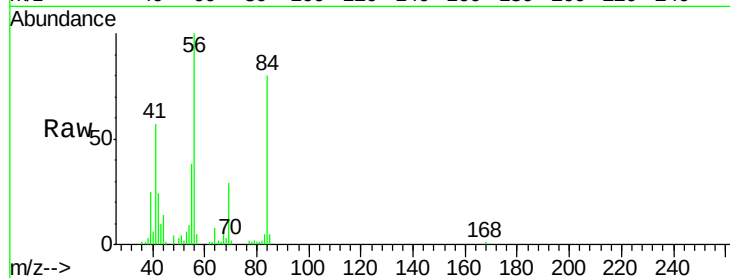
#19
Cyclohexane
Concen: 1.95 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.2	26.0	39.0	
84	88.5	68.3	102.5	

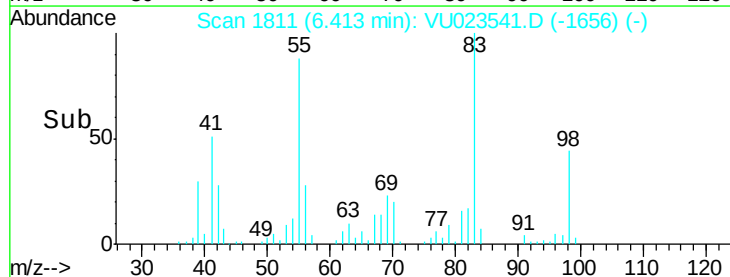
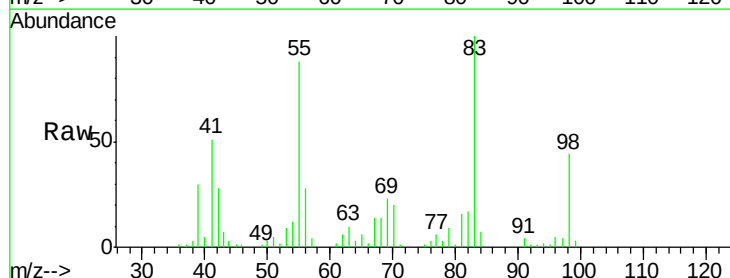
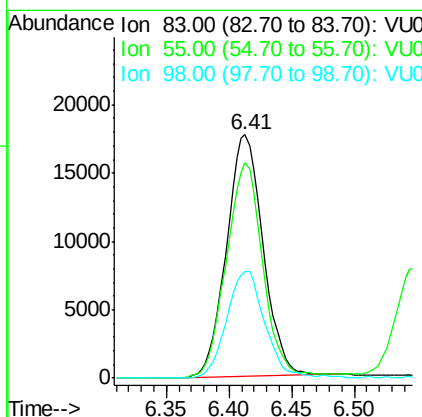
Manual Integrations
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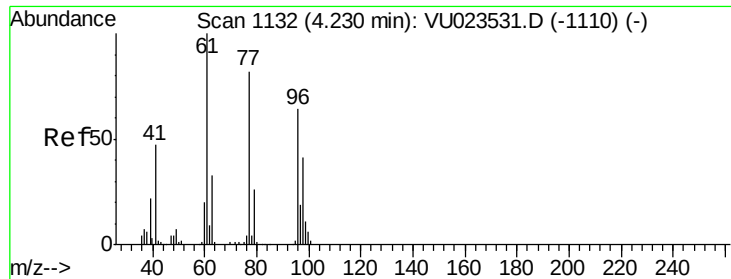
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#20
Methylcyclohexane
Concen: 1.74 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
55	86.6	66.4	99.6	
98	44.5	35.4	53.2	





#21

2,2-Dichloropropane

Concen: 1.87 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 77 Resp: 34825

Ion Ratio Lower Upper

77 100

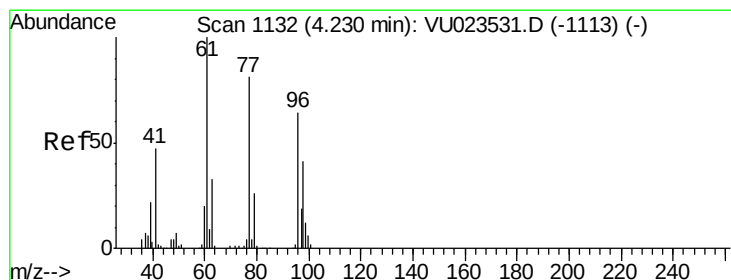
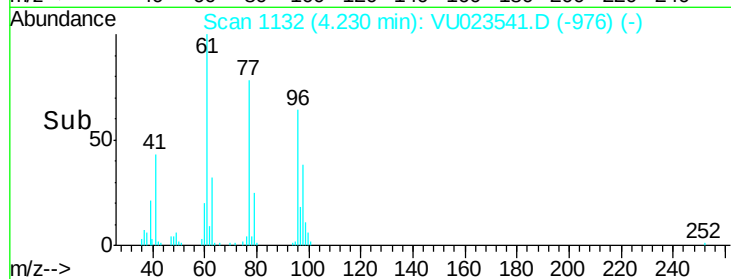
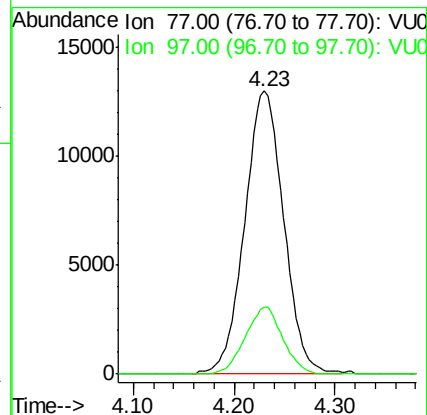
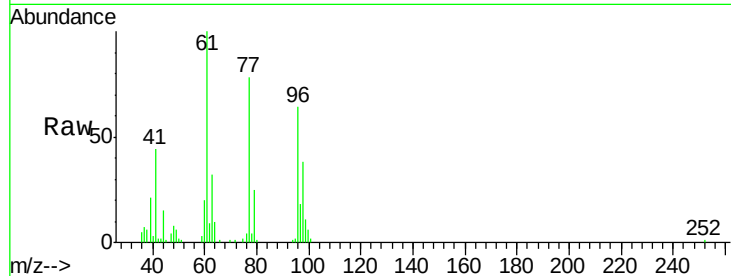
97 22.6 17.9 26.9

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#22

cis-1,2-Dichloroethene

Concen: 2.02 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

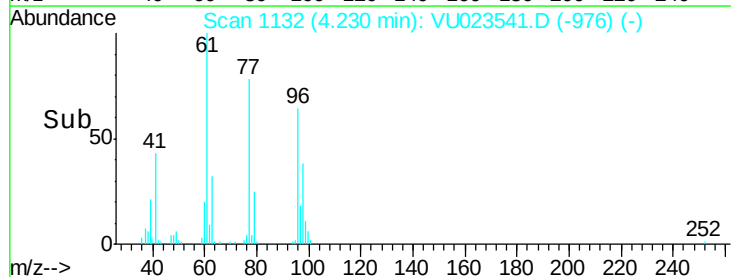
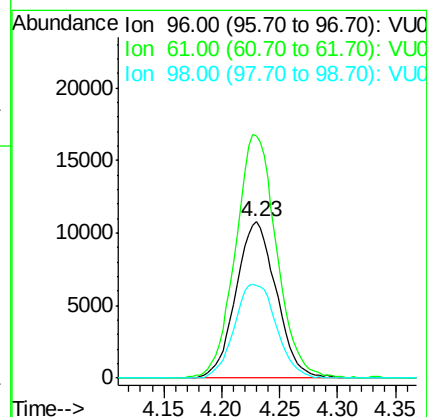
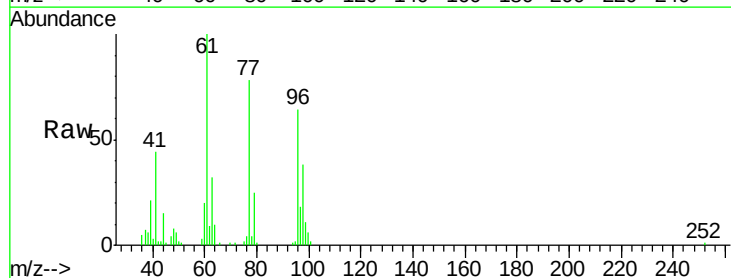
Tgt Ion: 96 Resp: 26016

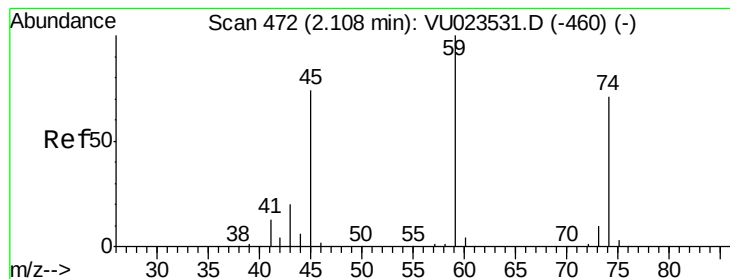
Ion Ratio Lower Upper

96 100

61 158.6 0.0 400.5

98 62.3 32.2 96.6





#23

Diethyl Ether

Concen: 2.00 ug/l

RT: 2.11 min Scan# 472

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

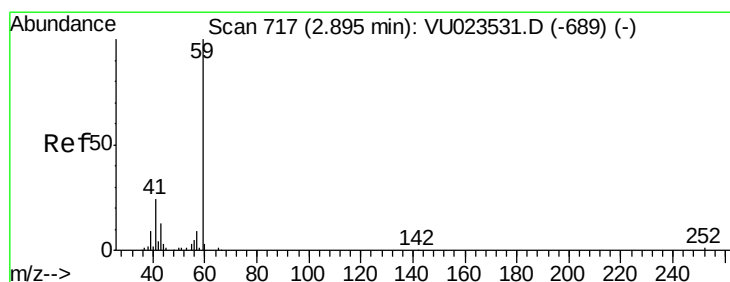
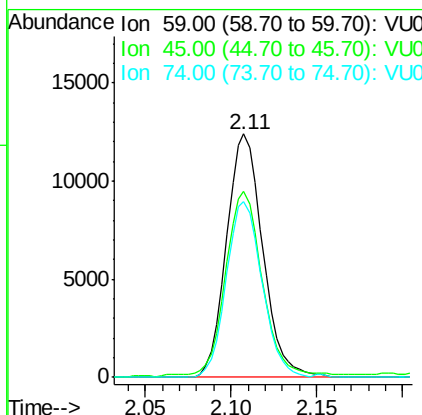
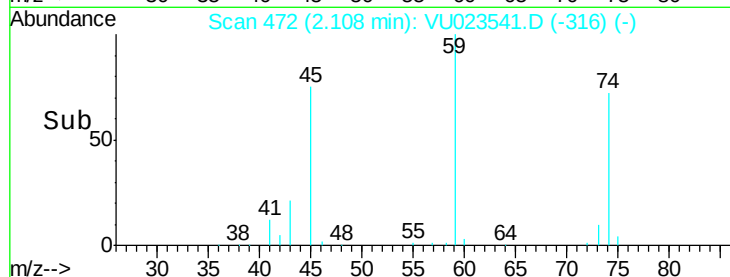
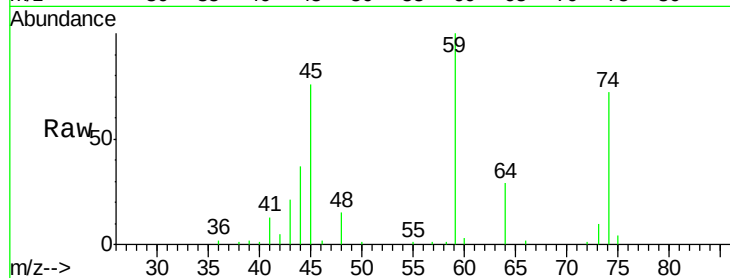
ClientSampleId :

VU0430WBS01

Tot Ion:	59	Resp:	18188
Ion	Ratio	Lower	Upper
59	100		
45	74.6	60.0	90.0
74	71.1	56.5	84.7

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#24

tert-Butyl Alcohol

Concen: 21.82 ug/l

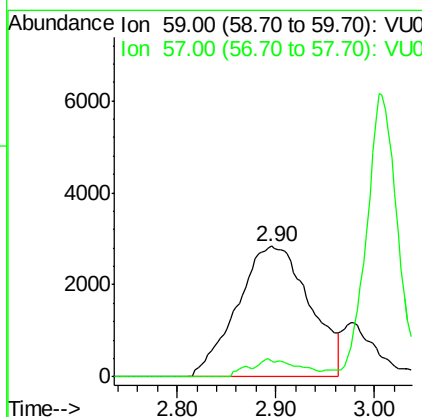
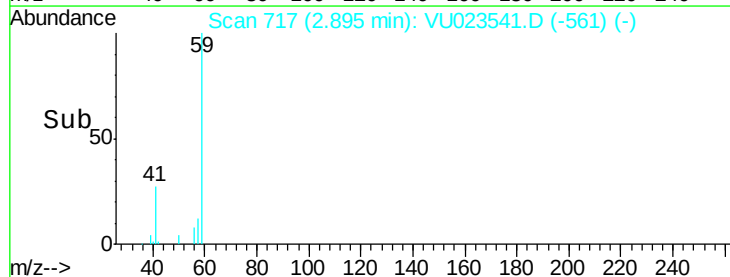
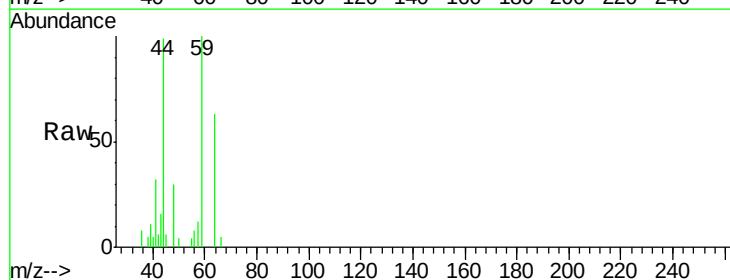
RT: 2.90 min Scan# 717

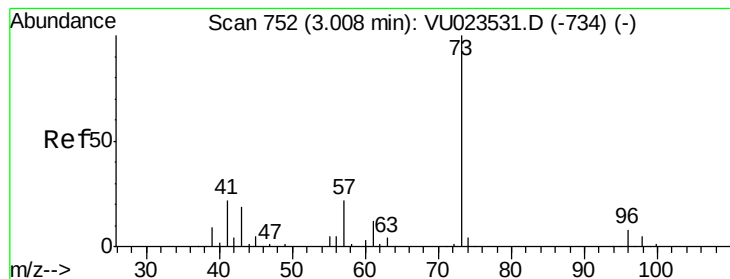
Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	59	Resp:	14462
Ion	Ratio	Lower	Upper
59	100		
57	5.2	3.4	5.2#





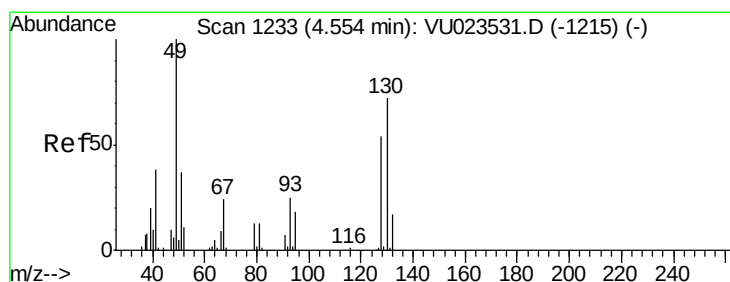
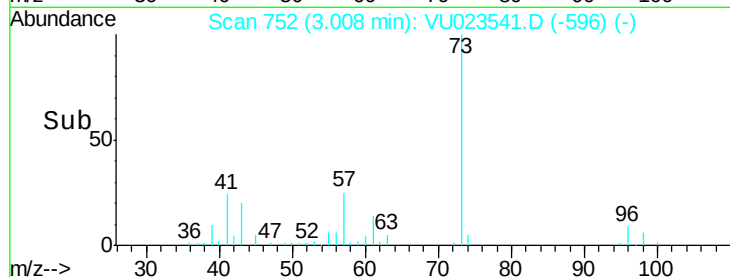
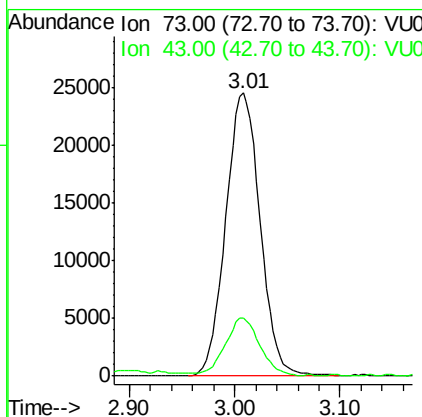
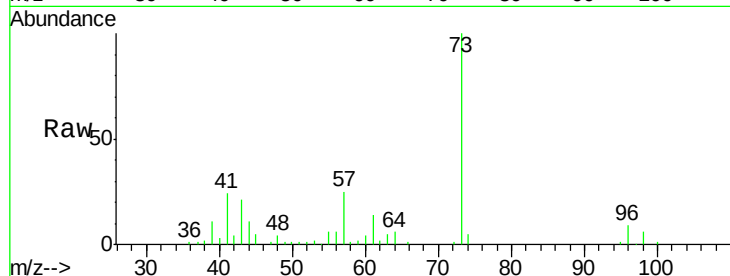
#25
Methvl tert-Butvl Ether
Concen: 1.98 ug/l
RT: 3.01 min Scan# 752
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion: 73 Resp: 55354
Ion Ratio Lower Upper
73 100
43 21.0 16.2 24.2

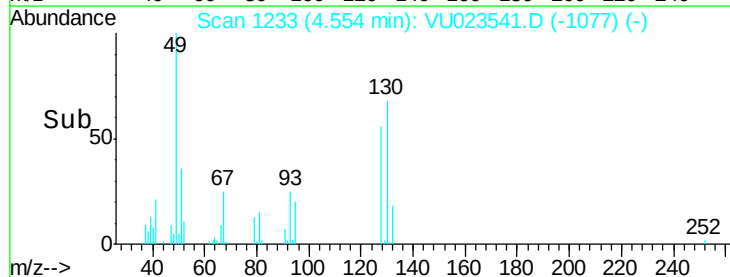
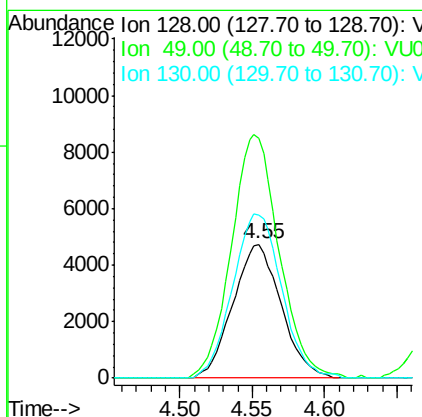
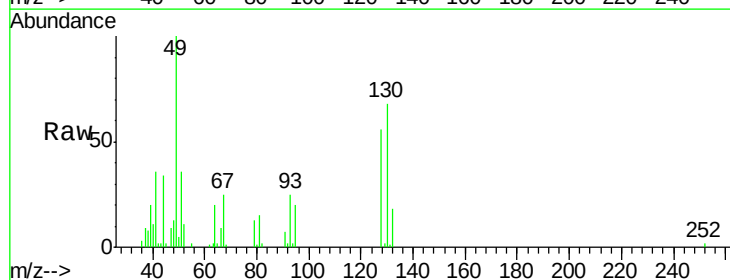
Manual Integrations
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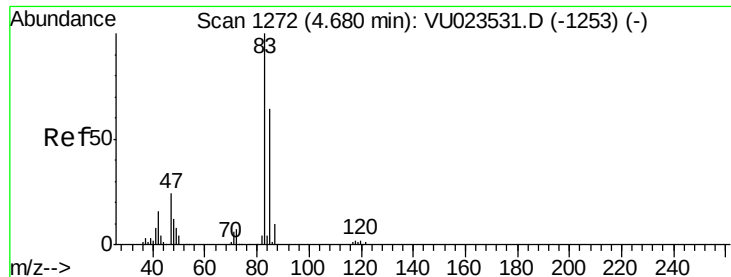
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#26
Bromochloromethane
Concen: 2.14 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion:128 Resp: 10937
Ion Ratio Lower Upper
128 100
49 179.8 0.0 375.2
130 125.0 105.8 158.6





#27

Chloroform

Concen: 1.99 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 83 Resp: 44100

Ion Ratio Lower Upper

83 100

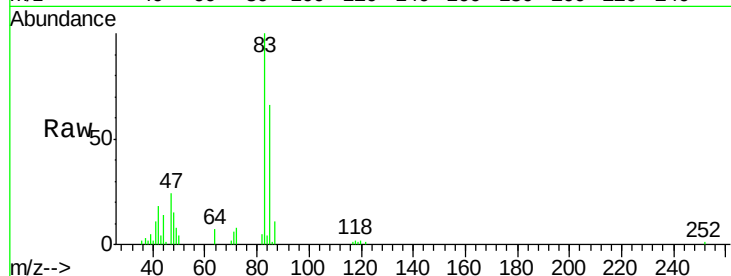
85 65.6 0.0 128.4

Manual Integrations

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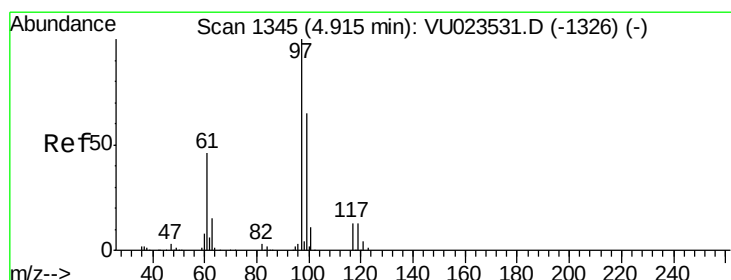
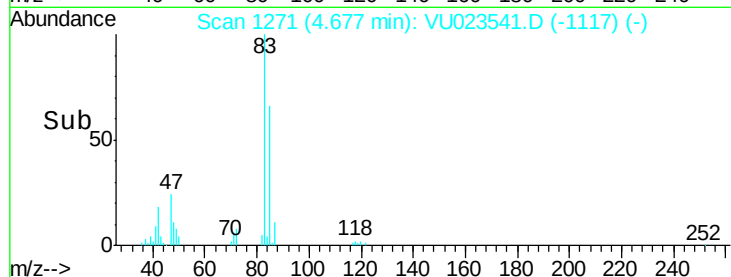
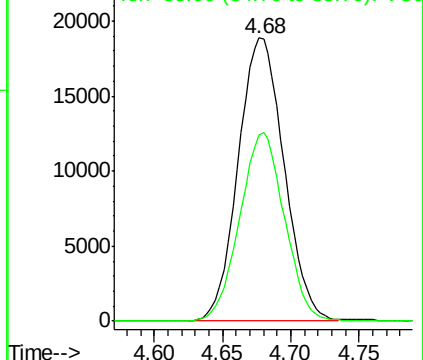
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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 1.98 ug/l

RT: 4.91 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

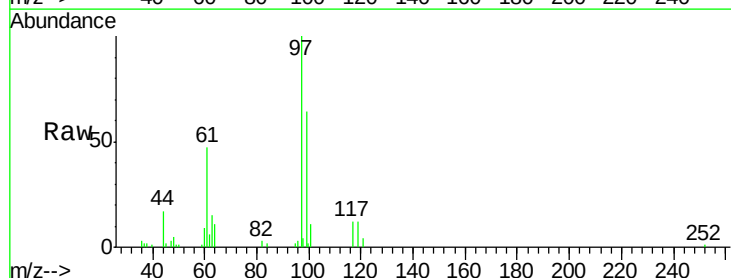
Tgt Ion: 97 Resp: 35947

Ion Ratio Lower Upper

97 100

99 66.2 32.3 96.9

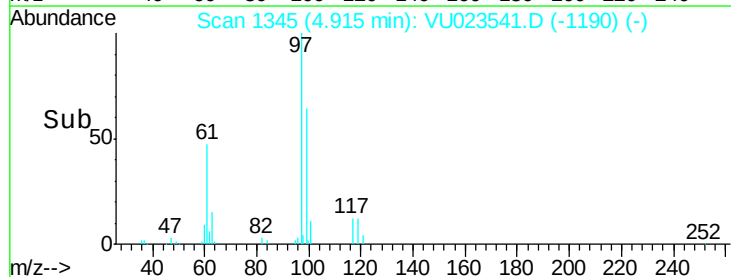
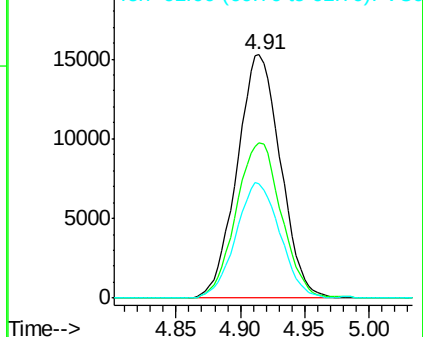
61 47.9 23.2 69.5

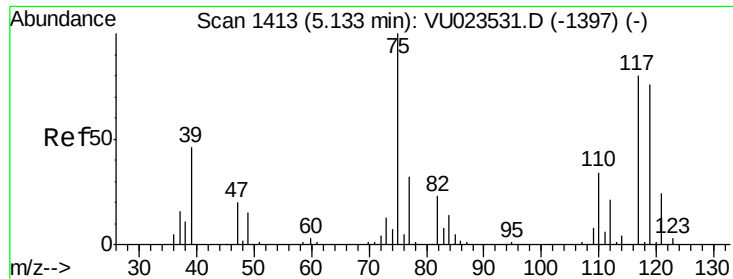


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





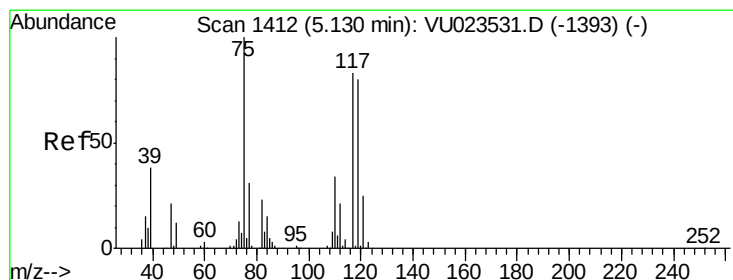
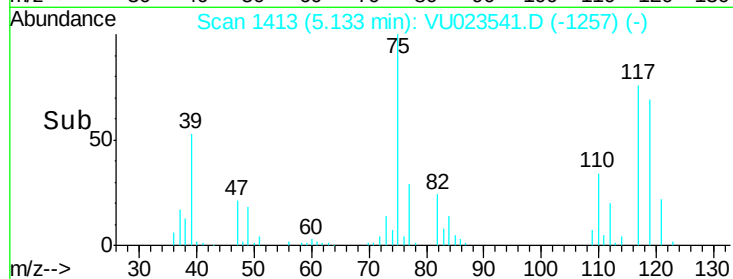
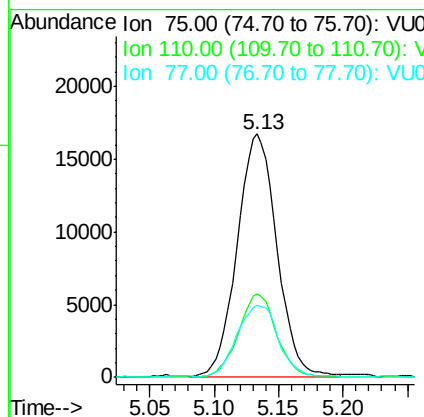
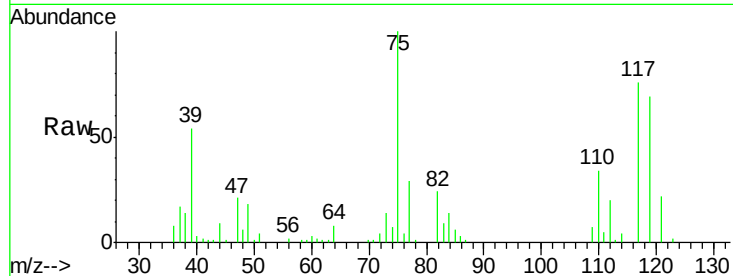
#29
 1,1-Dichloropropene
 Concen: 2.02 ug/l
 RT: 5.13 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.9	50.7
77	31.5	24.8	37.2

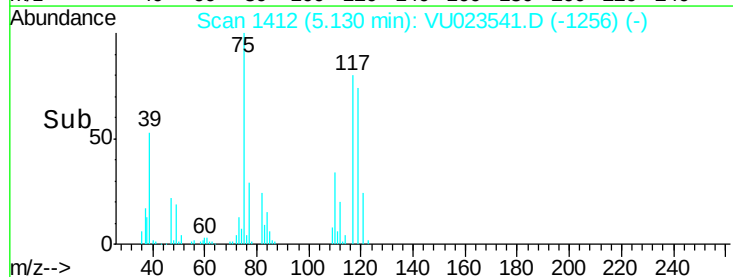
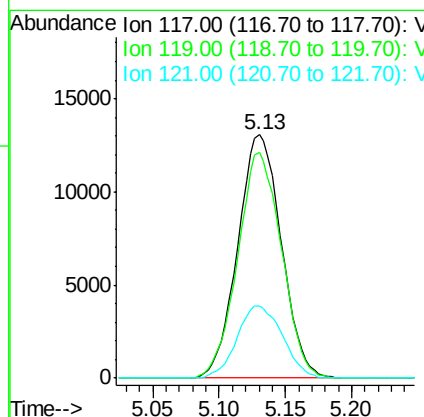
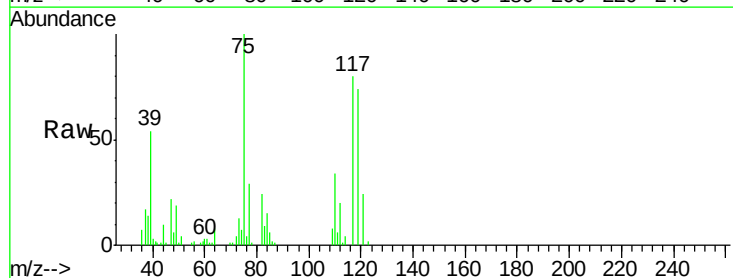
Manual Integrations
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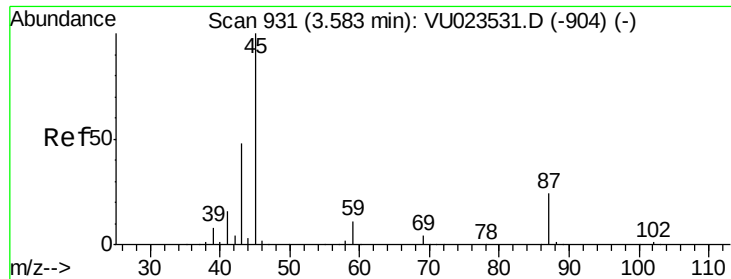
apatel
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#30
 Carbon Tetrachloride
 Concen: 1.95 ug/l
 RT: 5.13 min Scan# 1412
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	77.3	115.9
121	29.7	24.5	36.7





#31

Isopropyl Ether

Concen: 1.92 ug/l

RT: 3.58 min Scan# 931

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 45 Resp: 76014

Ion Ratio Lower Upper

45 100

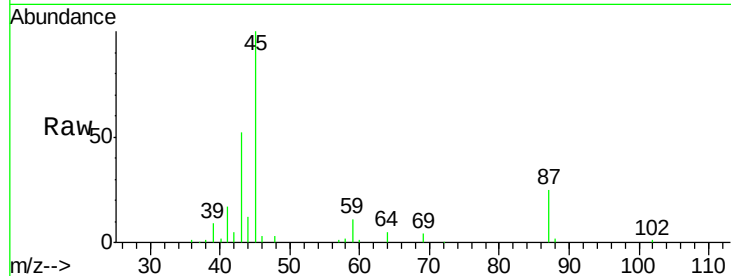
43 49.0 24.0 72.0

Manual Integrations

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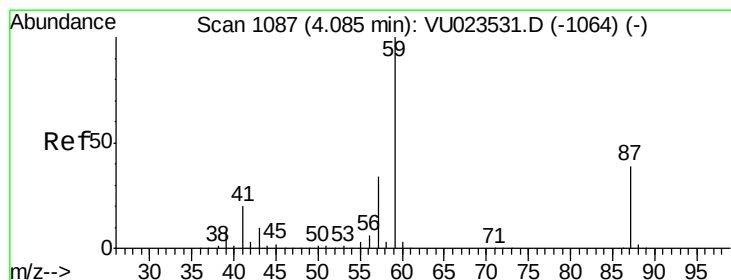
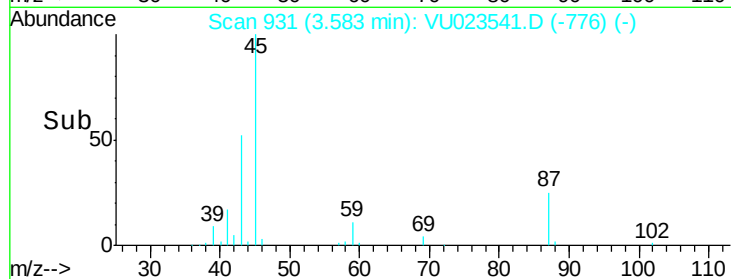
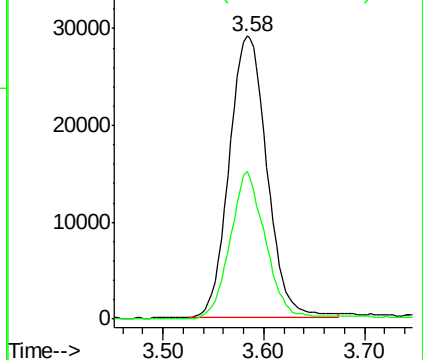
apatel

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Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0



#32

Ethyl-t-butyl ether

Concen: 1.91 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VU023541.D

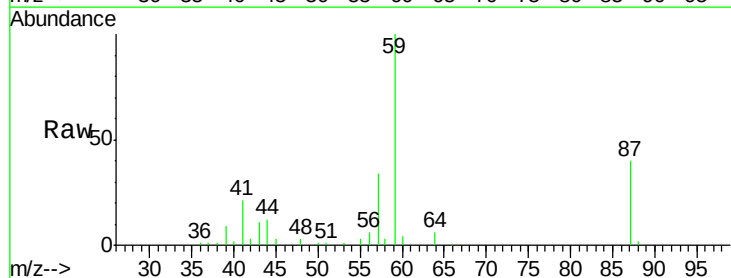
Acq: 30 Apr 2018 21:56

Tgt Ion: 59 Resp: 64795

Ion Ratio Lower Upper

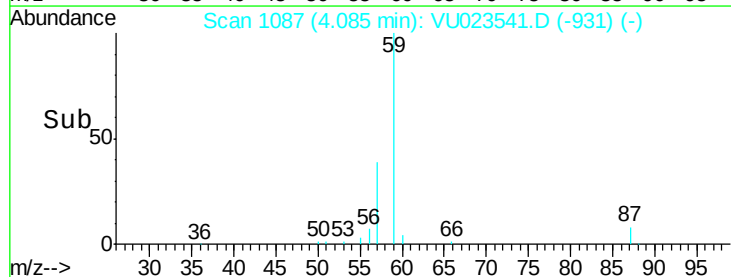
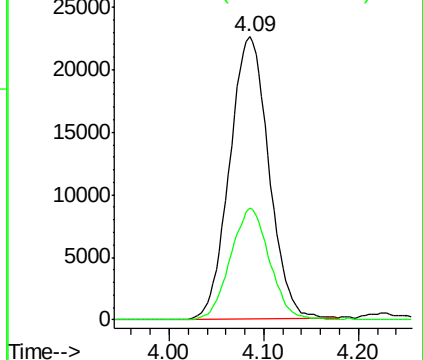
59 100

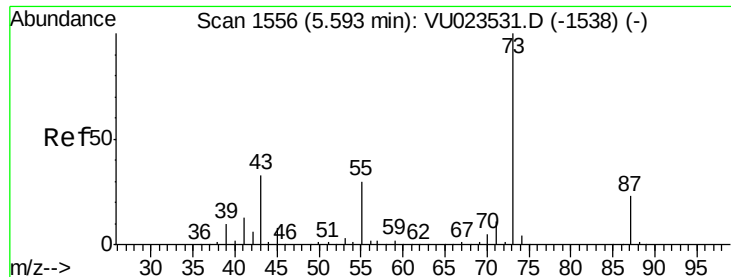
87 39.4 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





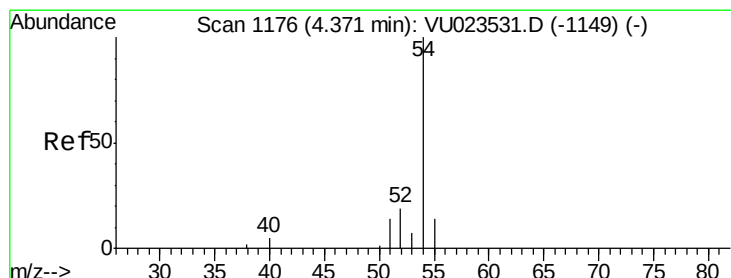
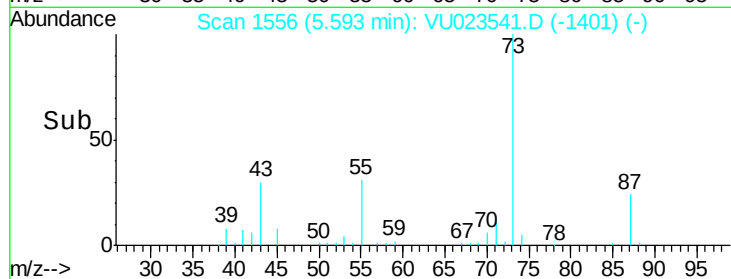
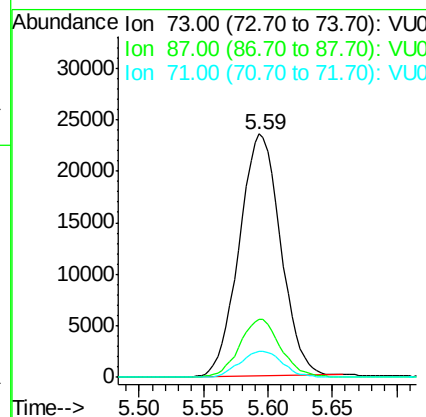
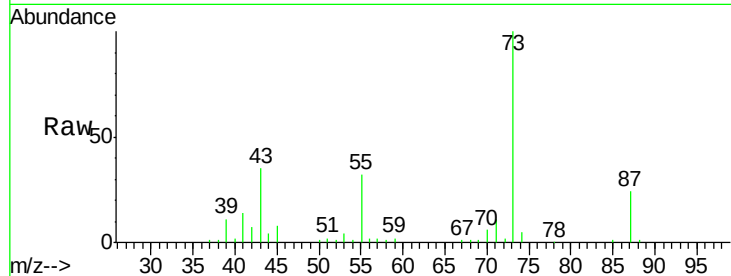
#33
Tert-Butyl methyl ether
Concen: 1.83 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.7	18.6	28.0
71	11.0	9.3	13.9

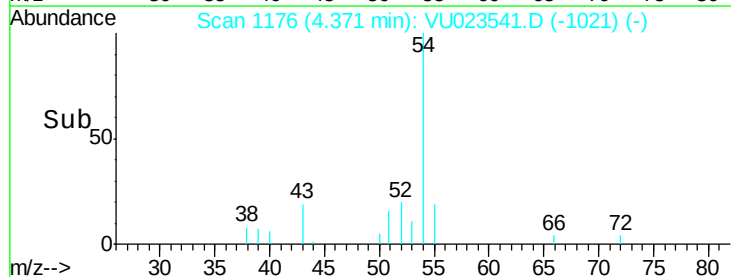
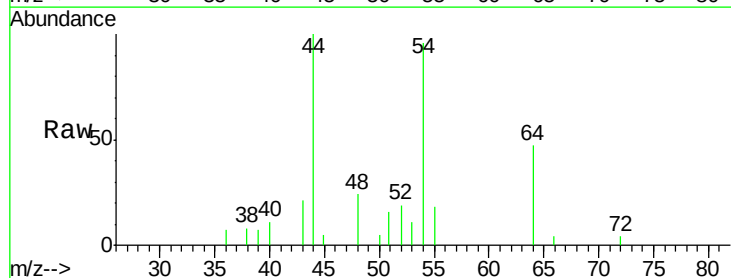
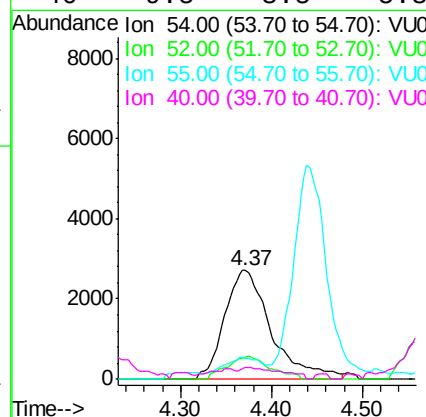
Manual Integrations
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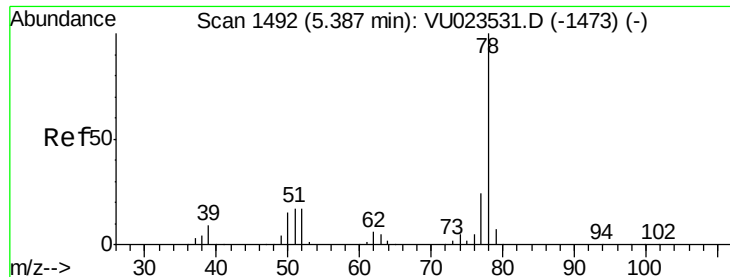
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#34
Propionitrile
Concen: 10.70 ug/l
RT: 4.37 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.3	13.7	20.5
55	14.1	10.2	15.2
40	9.5	3.5	5.3





#35

Benzene

Concen: 2.01 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 78 Resp: 106215

Ion Ratio Lower Upper

78 100

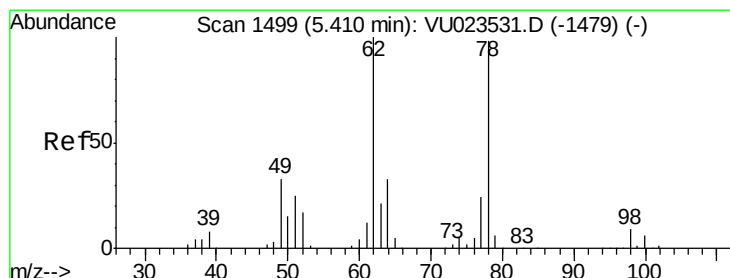
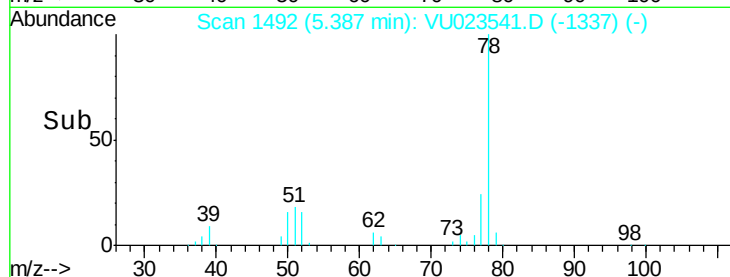
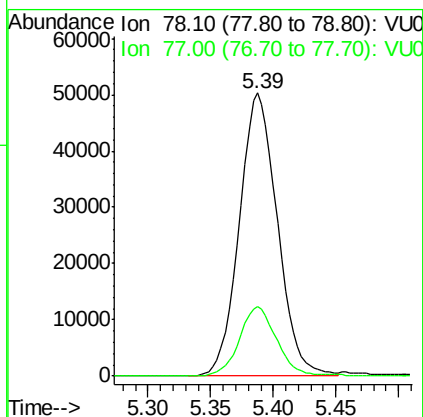
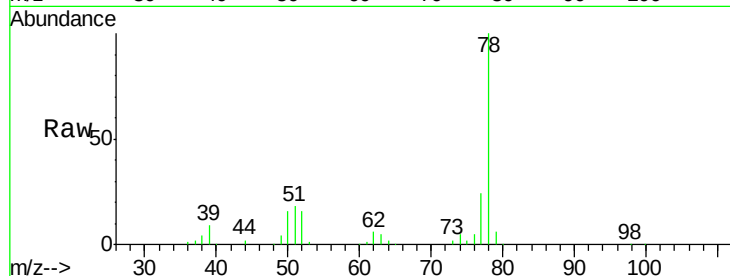
77 24.5 19.1 28.7

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 2.06 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VU023541.D

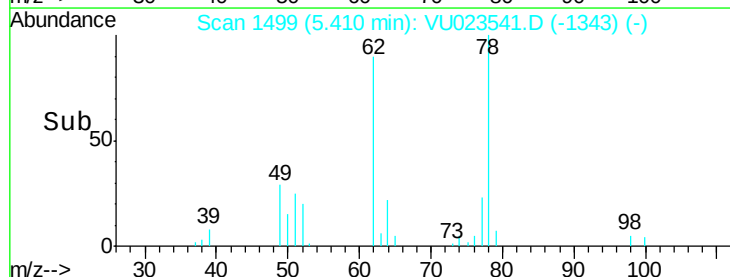
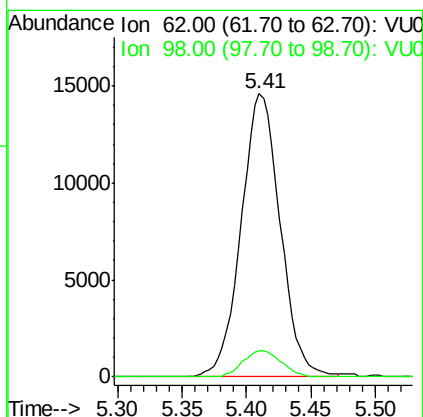
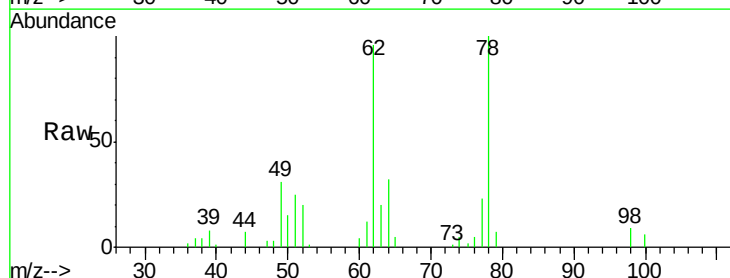
Acq: 30 Apr 2018 21:56

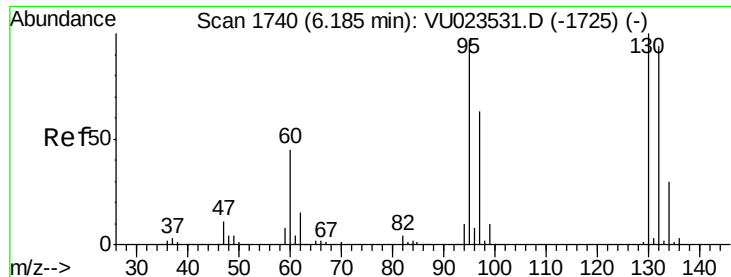
Tgt Ion: 62 Resp: 30790

Ion Ratio Lower Upper

62 100

98 9.1 7.2 10.8





#37

Trichloroethene

Concen: 1.91 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:130 Resp: 27099

Ion Ratio Lower Upper

130 100

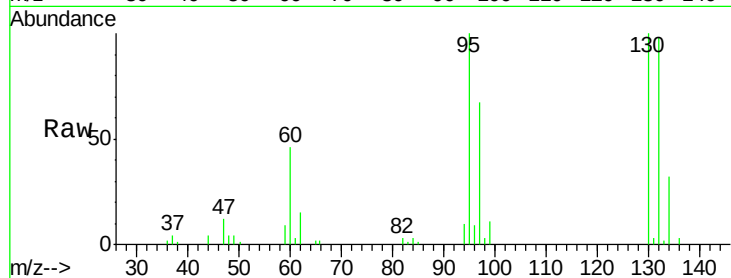
95 99.7 77.9 116.9

Manual Integrations

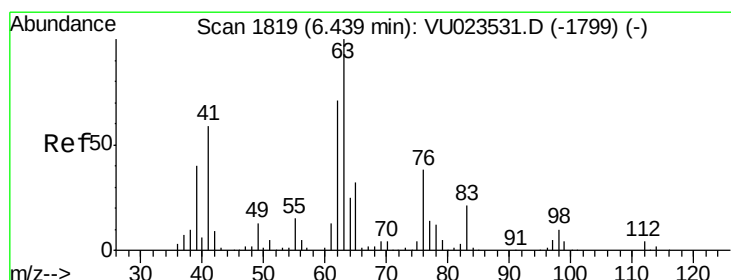
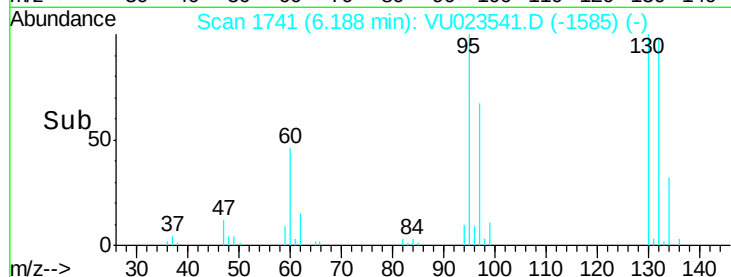
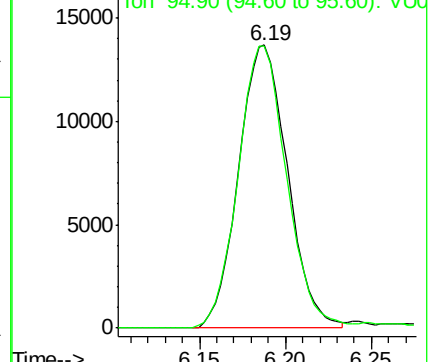
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Abundance Ion 129.90 (129.60 to 130.60): VU023541.D (-1585) (-)



#38

1,2-Dichloropropane

Concen: 1.94 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VU023541.D

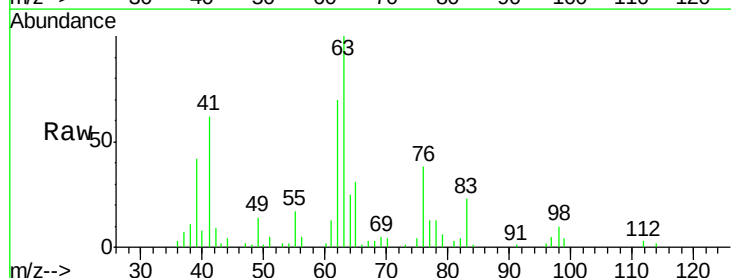
Acq: 30 Apr 2018 21:56

Tgt Ion: 63 Resp: 28101

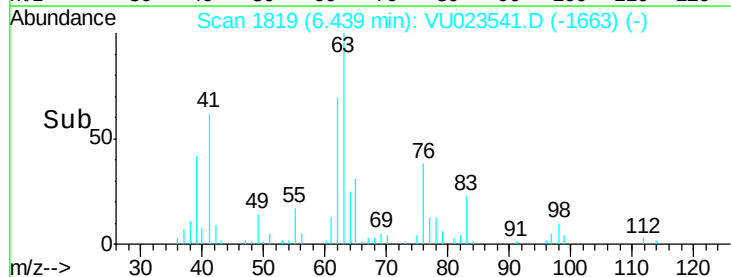
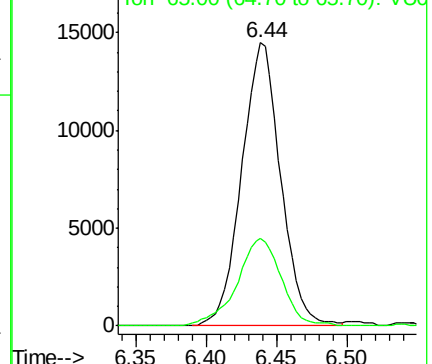
Ion Ratio Lower Upper

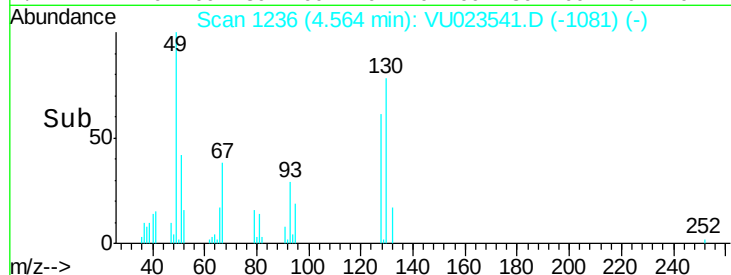
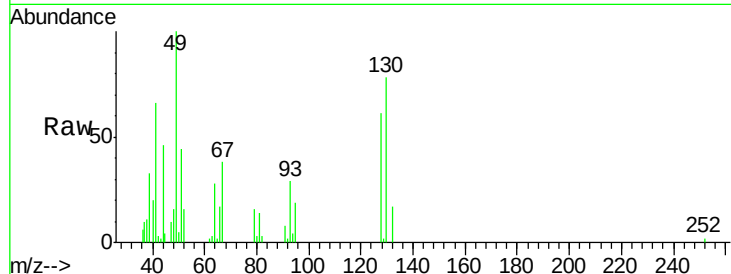
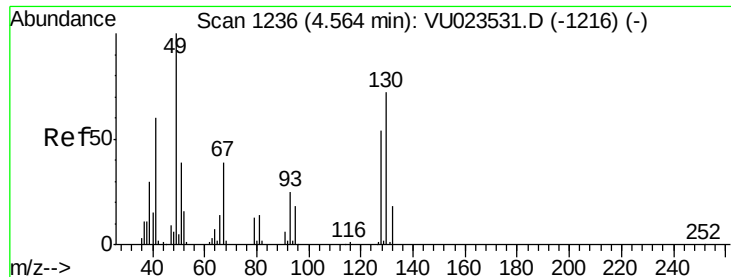
63 100

65 30.7 25.8 38.8



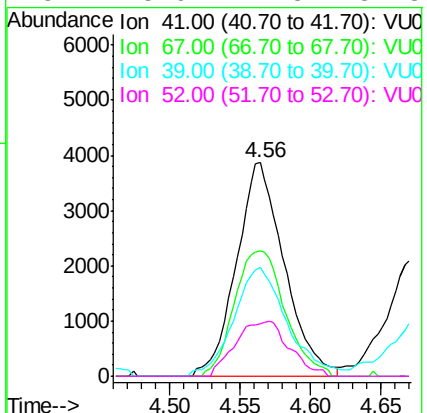
Abundance Ion 63.00 (62.70 to 63.70): VU023541.D (-1663) (-)





#39
Methacrylonitrile
Concen: 2.00 ug/l
RT: 4.56 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

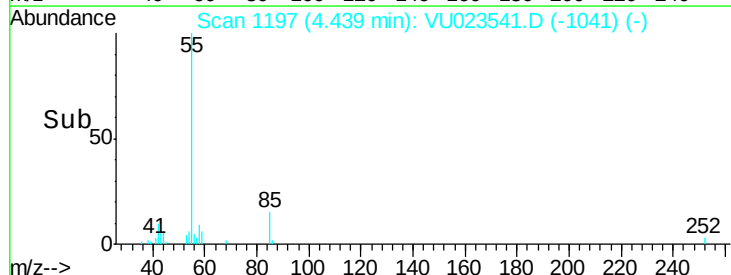
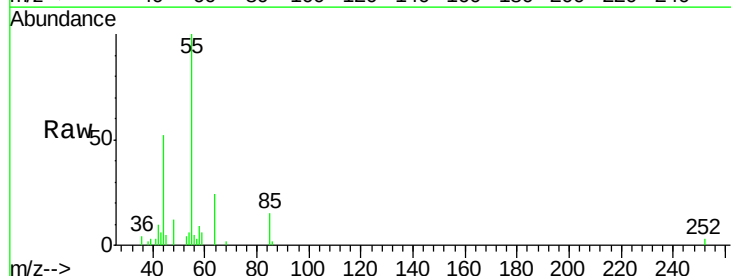
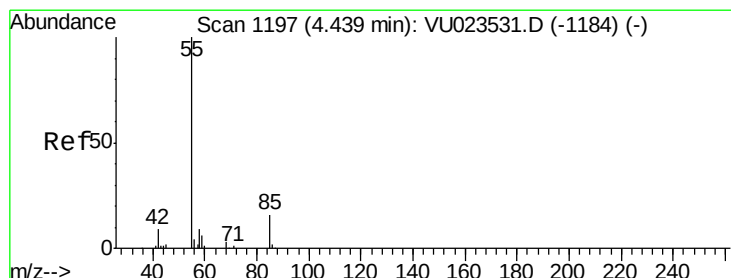
Tot Ion	Ratio	Lower	Upper
41	100		
67	62.3	51.3	76.9
39	57.0	40.6	60.8
52	28.9	21.5	32.3



Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

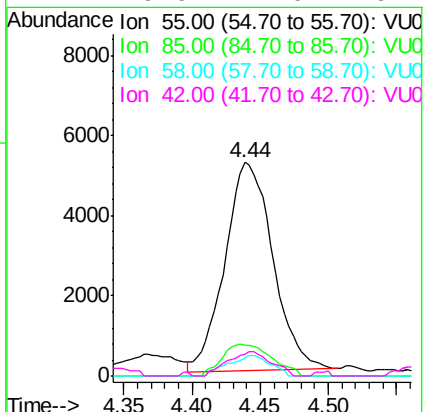
Manual Integrations
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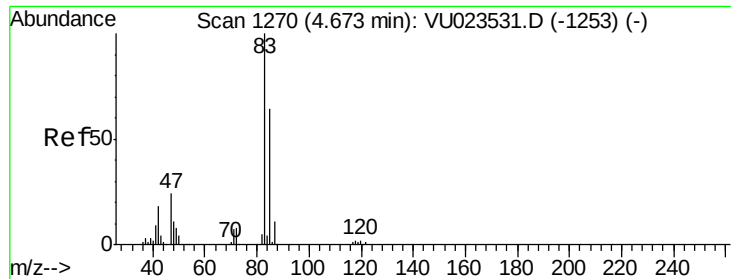
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#40
Methyl acrylate
Concen: 2.01 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.7	12.3	18.5
58	8.7	7.0	10.6
42	10.6	7.0	10.4#





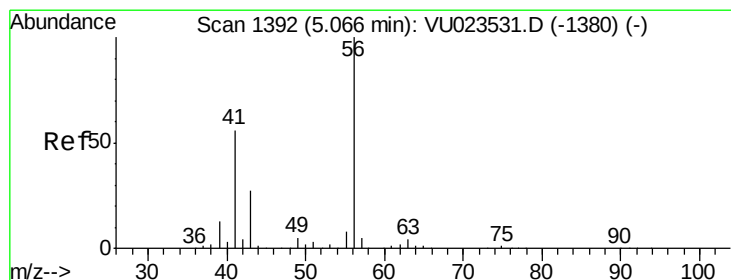
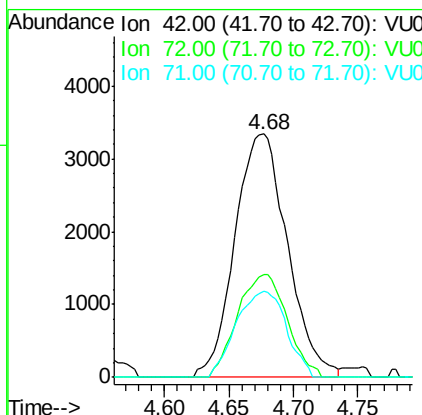
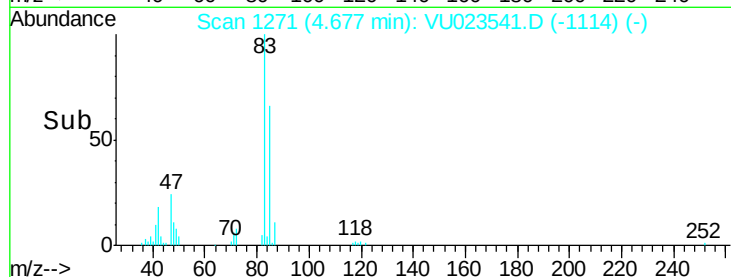
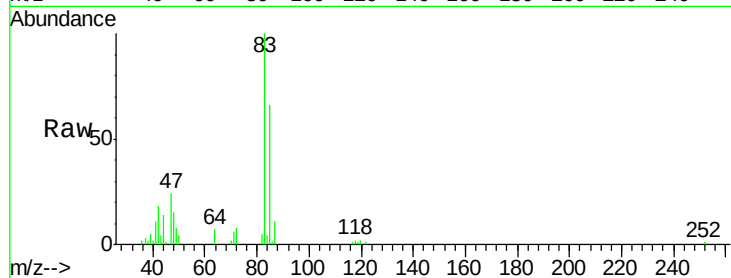
#41
Tetrahydrofuran
Concen: 4.02 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.2	49.8
71	33.6	29.8	44.8

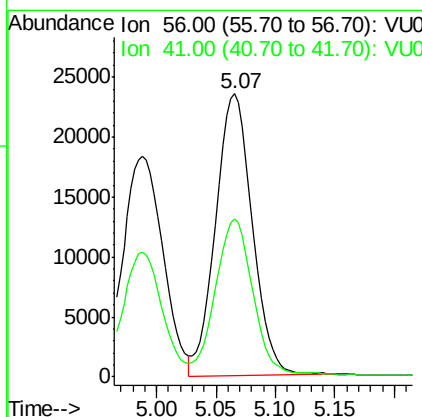
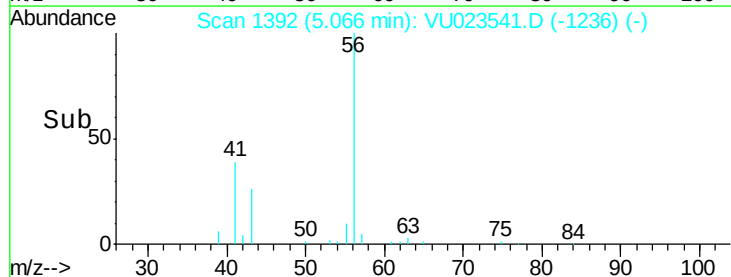
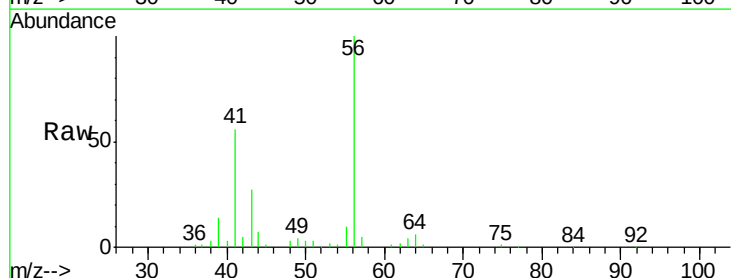
Manual Integrations
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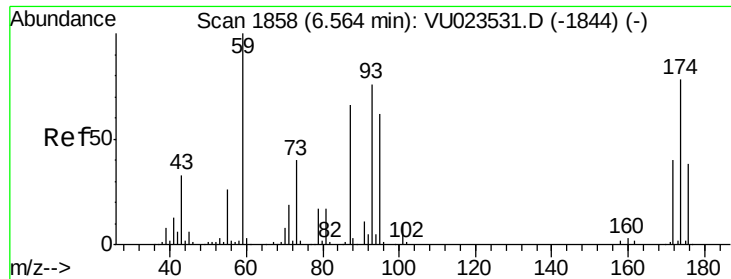
apatel
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#42
1-Chlorobutane
Concen: 1.94 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.1	27.5	82.5





#43

Dibromomethane

Concen: 2.02 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

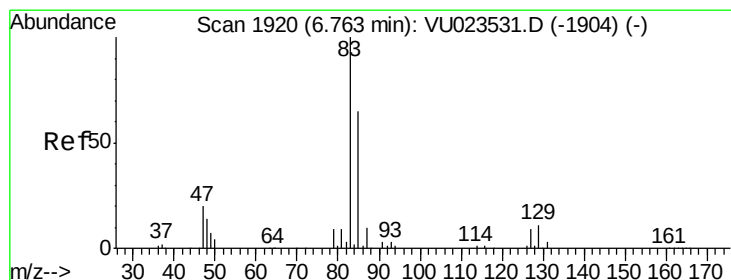
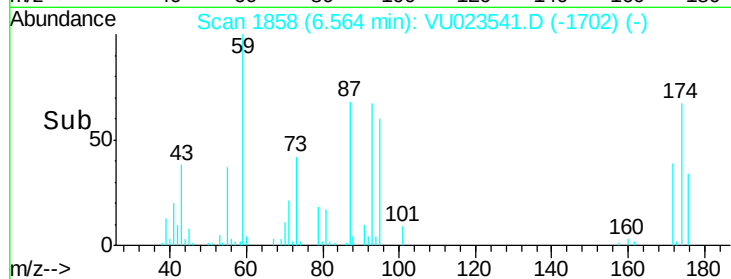
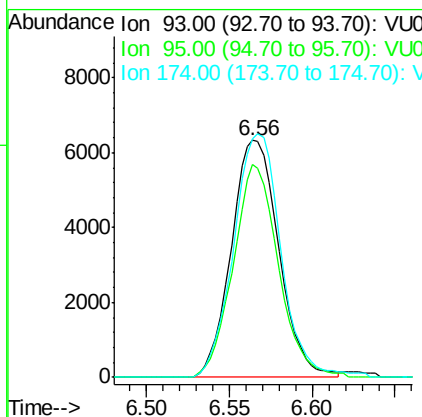
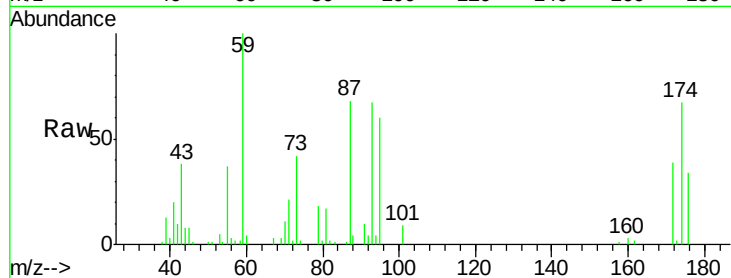
ClientSampleId :

VU0430WBS01

Tot Ion:	93	Resp:	12634
Ion	Ratio	Lower	Upper
93	100		
95	85.4	67.2	100.8
174	102.6	82.8	124.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 1.92 ug/l

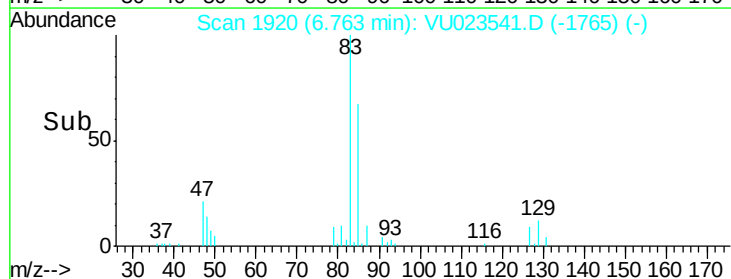
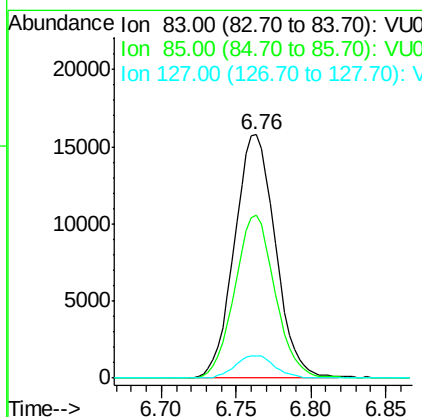
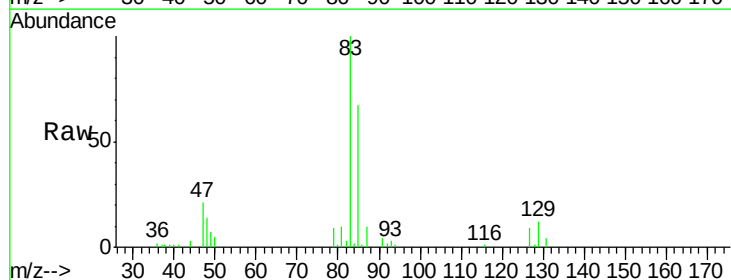
RT: 6.76 min Scan# 1920

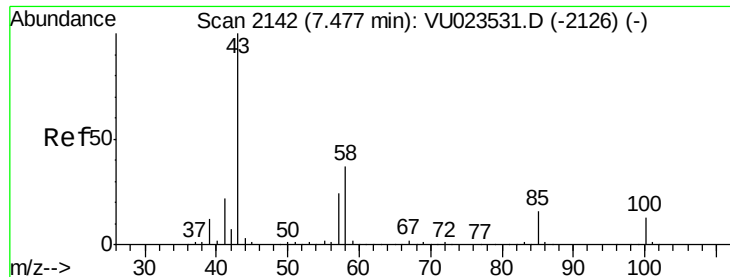
Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	83	Resp:	30125
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.2	78.4
127	9.3	7.0	10.4





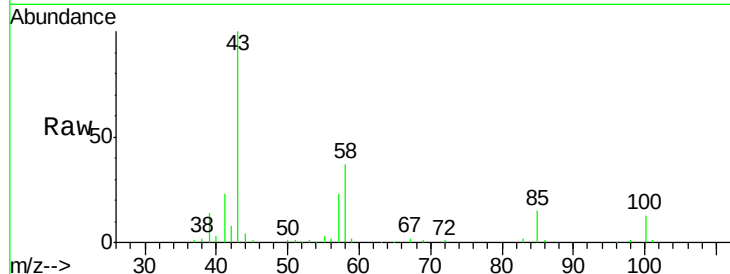
#45
4-Methyl-2-Pentanone
Concen: 9.91 ug/l
RT: 7.48 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.0	18.8	56.4
85	14.8	12.6	19.0

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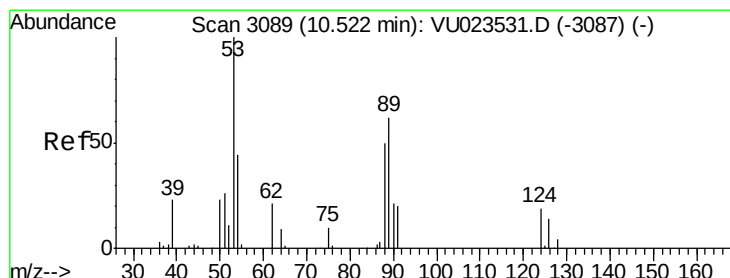
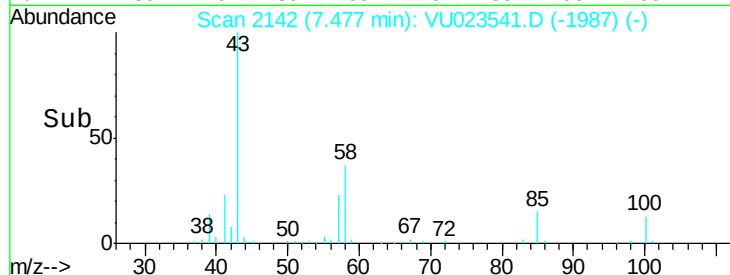
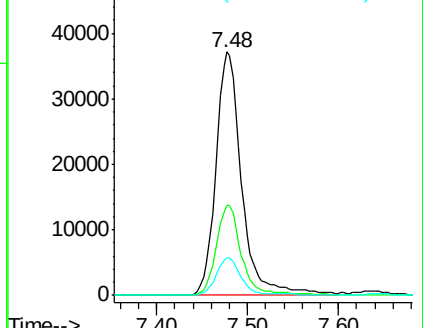


Abundance

Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
t-1,4-Dichloro-2-butene
Concen: 3.69 ug/l m
RT: 10.52 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.7	82.2	123.4
89	55.1	51.3	76.9
88	42.6	37.4	56.2

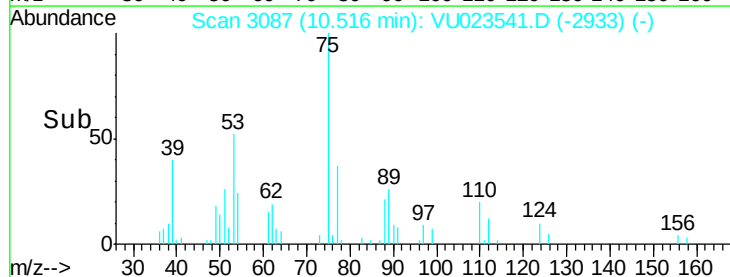
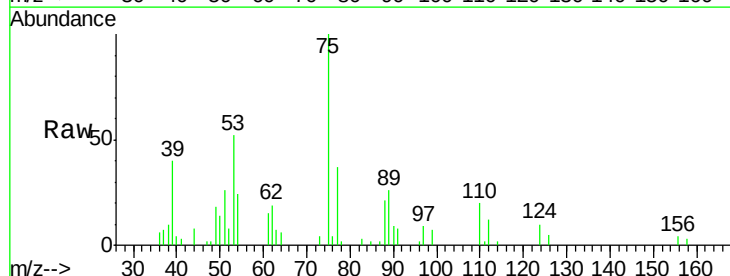
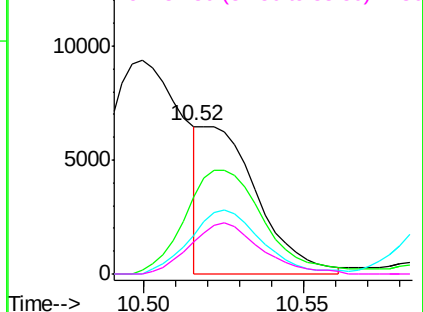
Abundance

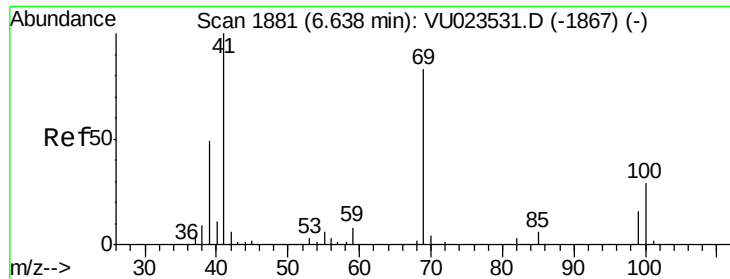
Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.80 (88.50 to 89.50): VU0

Ion 87.80 (87.50 to 88.50): VU0





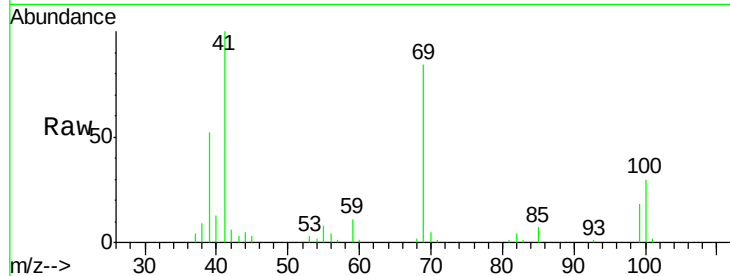
#47
Methvl methacrylate
Concen: 3.87 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	118.4	0.0	245.4	
39	59.1	49.0	73.4	
100	35.2	27.8	41.8	

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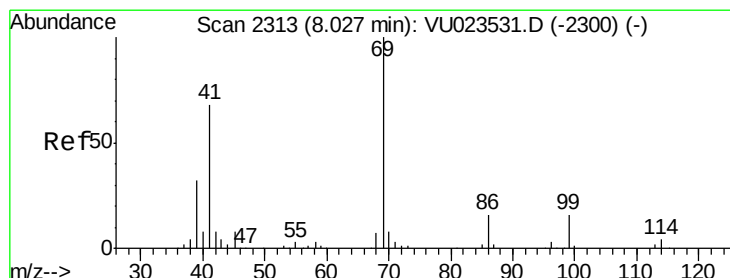
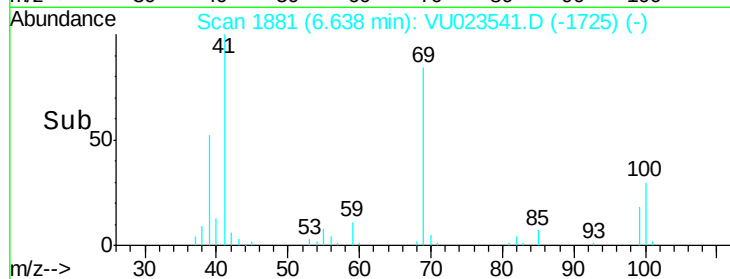
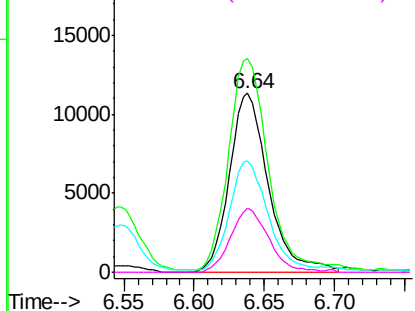
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

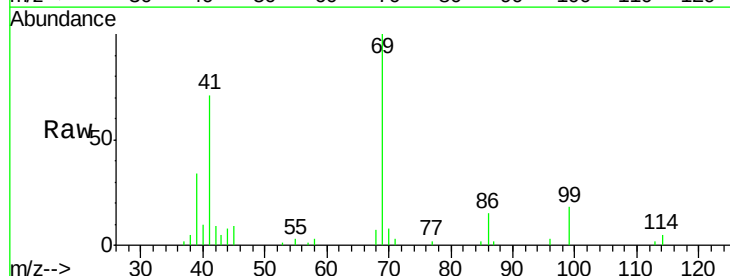
Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48
Ethyl methacrylate
Concen: 1.79 ug/l
RT: 8.03 min Scan# 2313
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

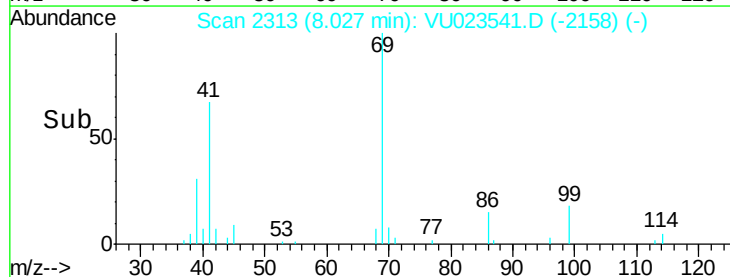
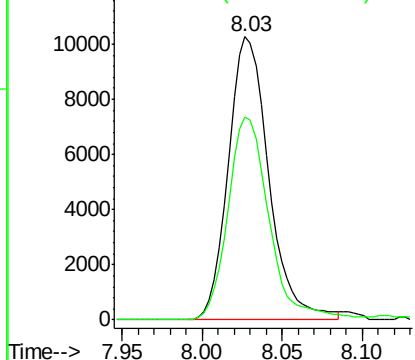
Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.8	34.2	102.5	

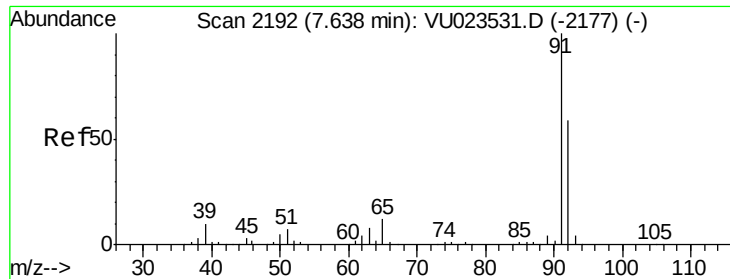


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 1.89 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tot Ion: 92 Resp: 57666

Ion Ratio Lower Upper

92 100

91 178.6 137.1 205.7

Instrument :

MSVOA_U

ClientSampleId :

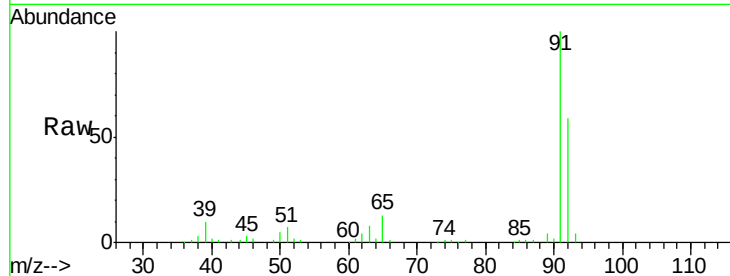
VU0430WBS01

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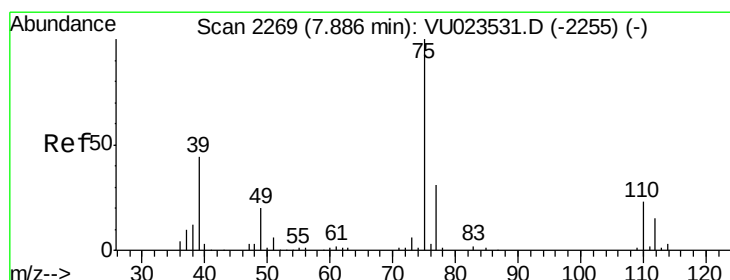
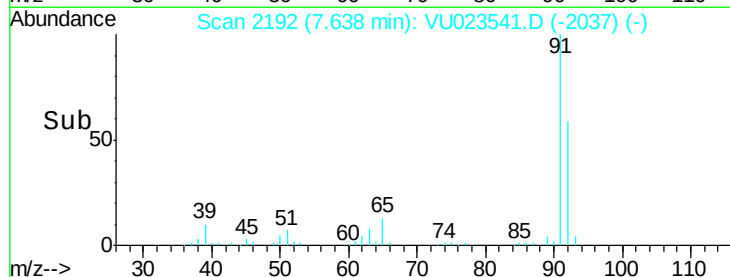
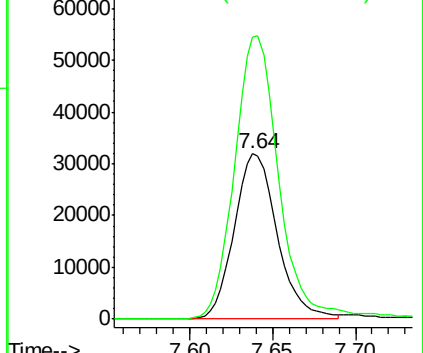
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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.88 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VU023541.D

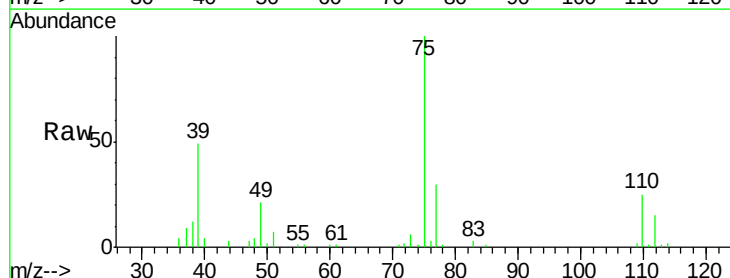
Acq: 30 Apr 2018 21:56

Tgt Ion: 75 Resp: 25159

Ion Ratio Lower Upper

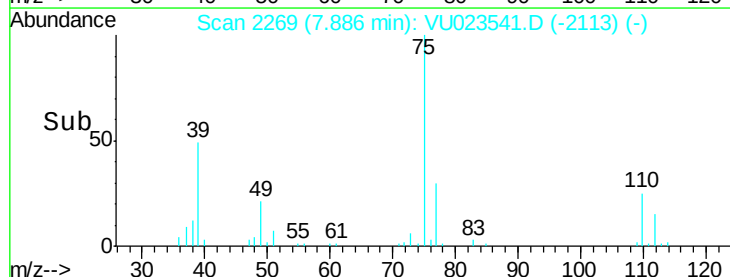
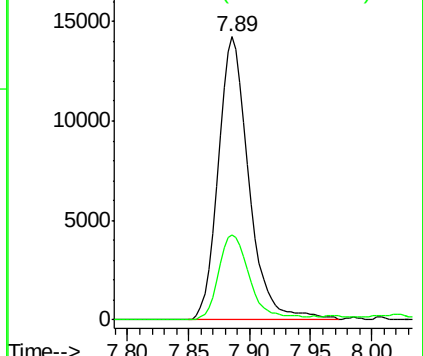
75 100

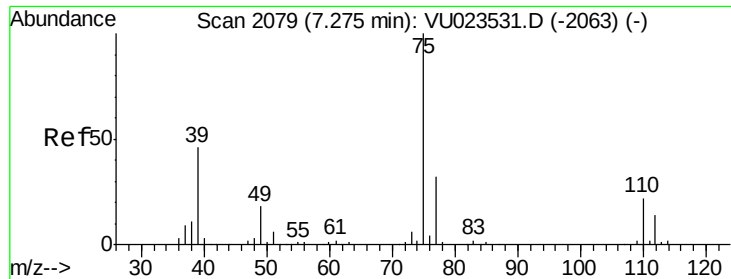
77 29.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

cis-1,3-Dichloropropene

Concen: 1.84 ug/l

RT: 7.27 min Scan# 2079

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

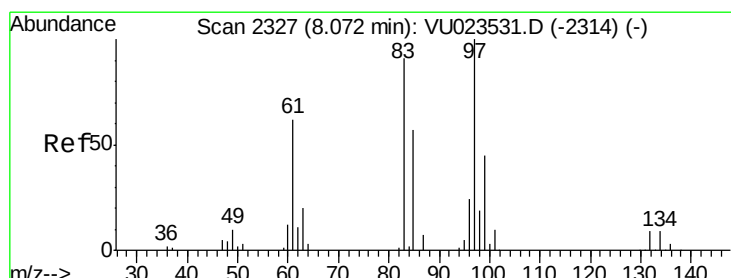
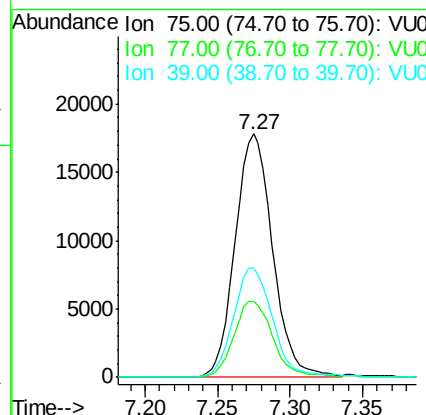
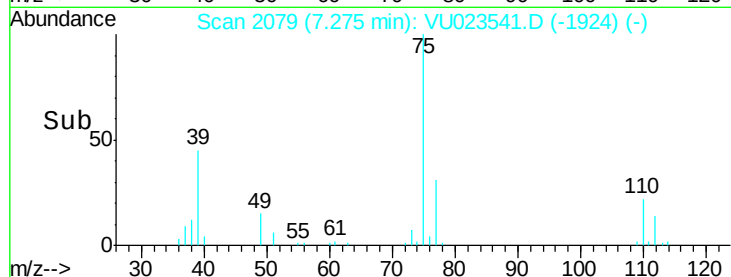
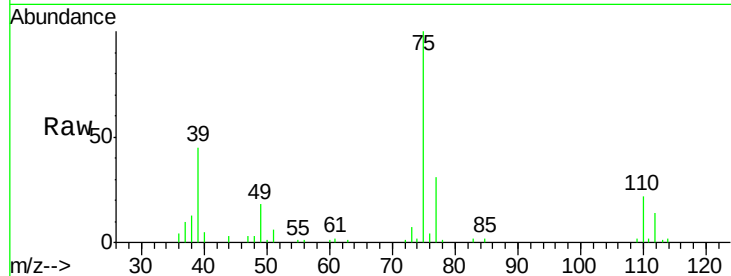
ClientSampleId :

VU0430WBS01

Tot Ion:	75	Resp:	32049
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8
39	44.9	36.4	54.6

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#52

1,1,2-Trichloroethane

Concen: 2.04 ug/l

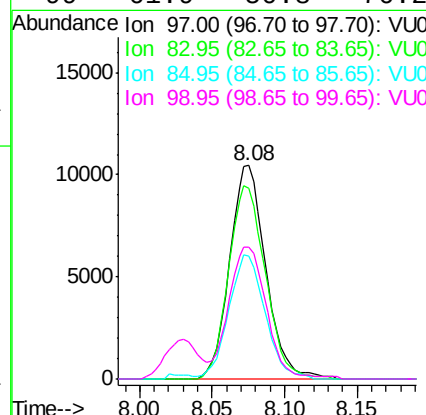
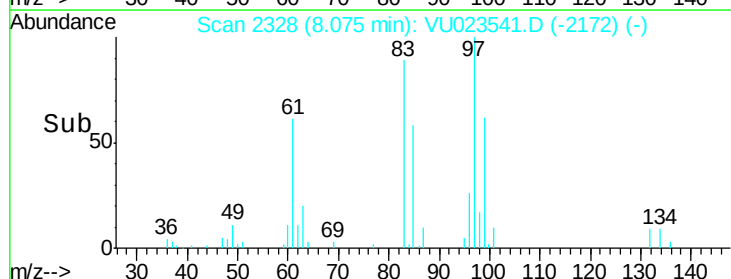
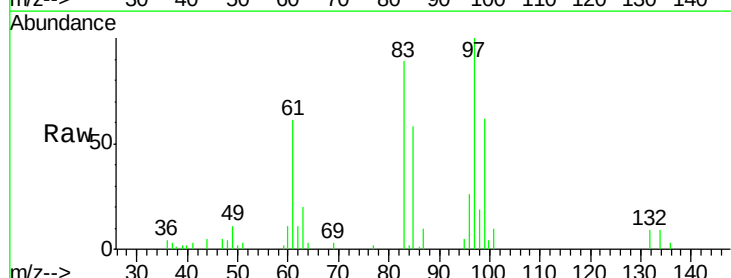
RT: 8.08 min Scan# 2328

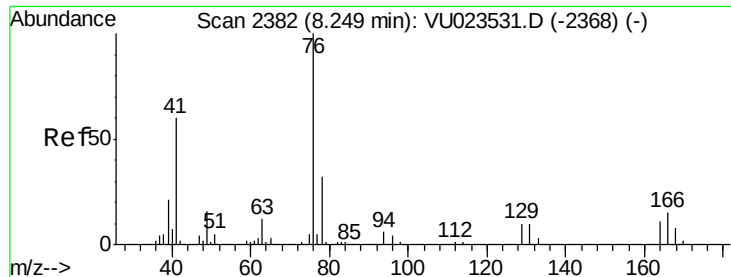
Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	97	Resp:	18100
Ion	Ratio	Lower	Upper
97	100		
83	89.3	72.6	109.0
85	57.6	47.2	70.8
99	61.9	50.8	76.2





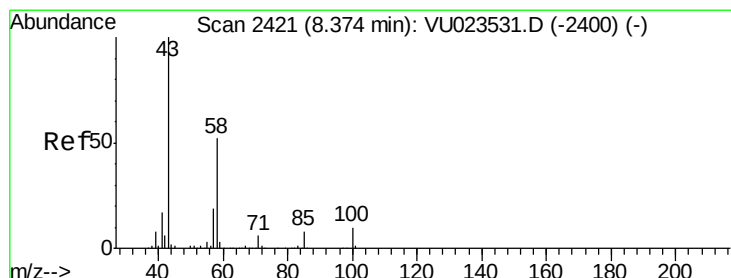
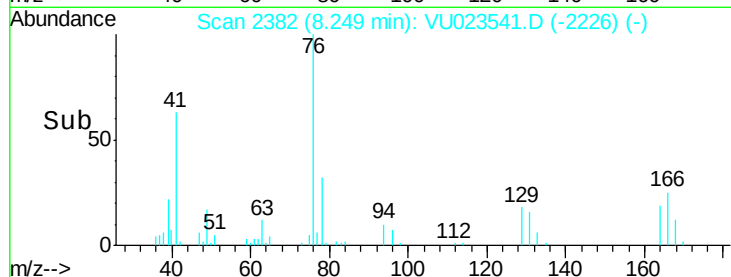
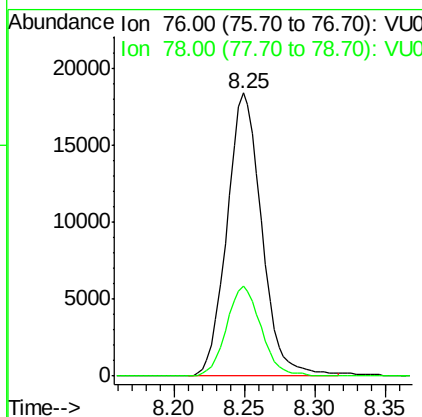
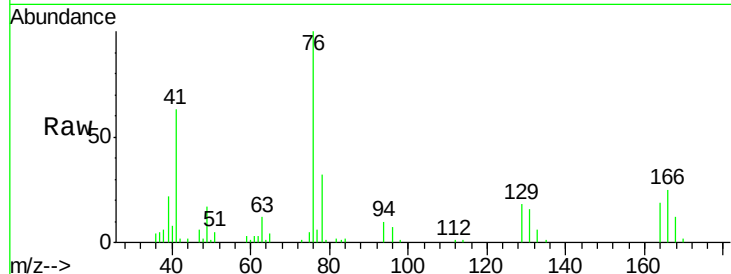
#53
 1,3-Dichloropropane
 Concen: 2.01 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.7	38.5

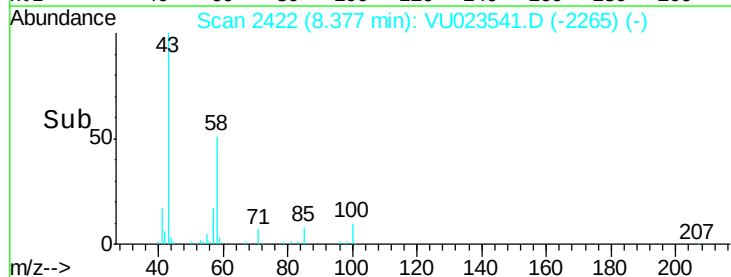
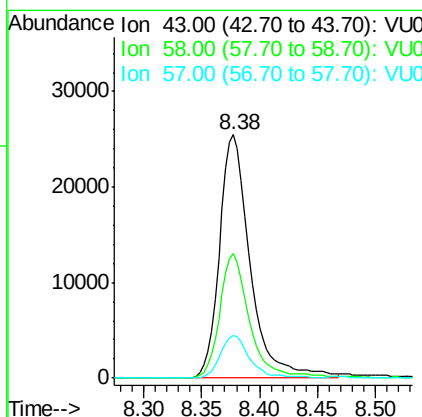
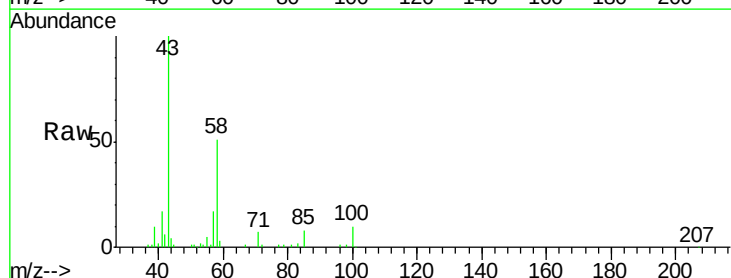
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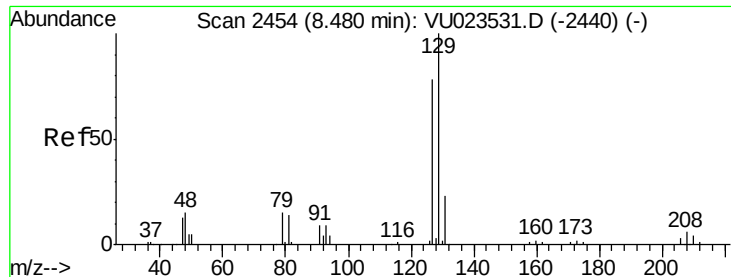
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#54
 2-Hexanone
 Concen: 9.32 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.7	32.5	72.5
57	16.6	0.0	37.9





#55

Dibromochloromethane

Concen: 1.96 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:129 Resp: 19089

Ion Ratio Lower Upper

129 100

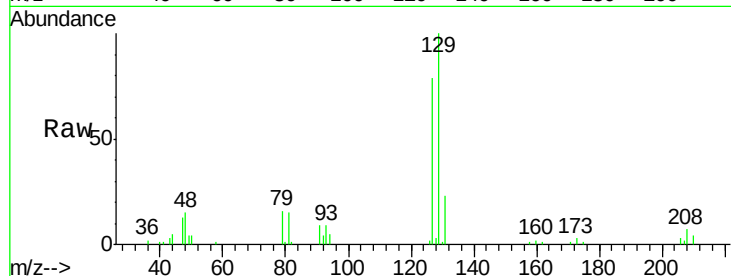
127 78.1 61.1 91.7

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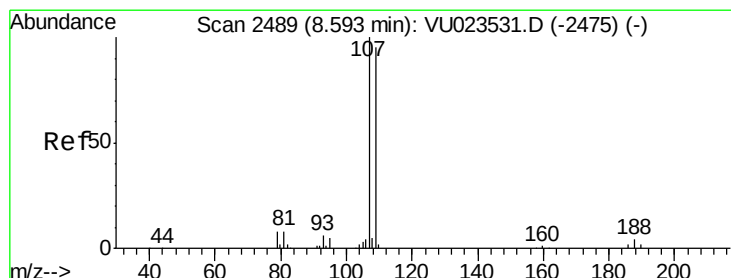
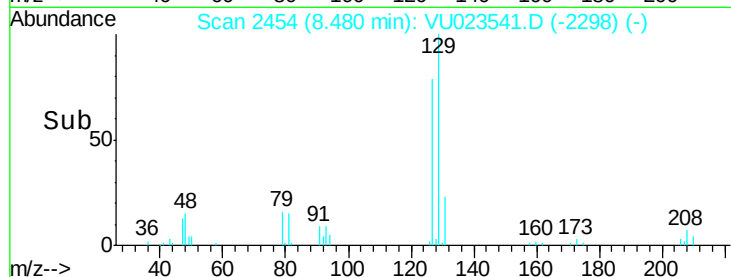
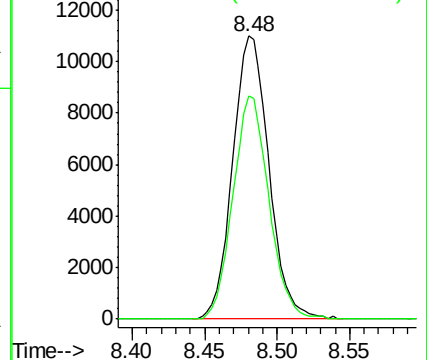
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 2.02 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. -0.00 min

Lab File: VU023541.D

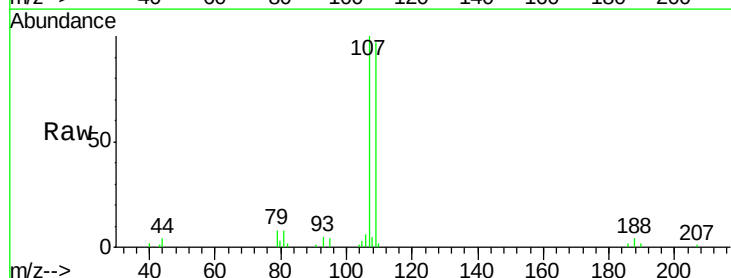
Acq: 30 Apr 2018 21:56

Tgt Ion:107 Resp: 15435

Ion Ratio Lower Upper

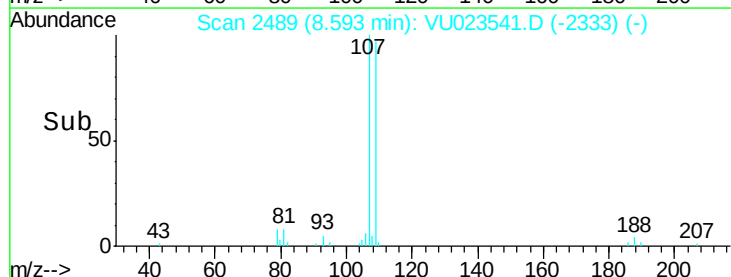
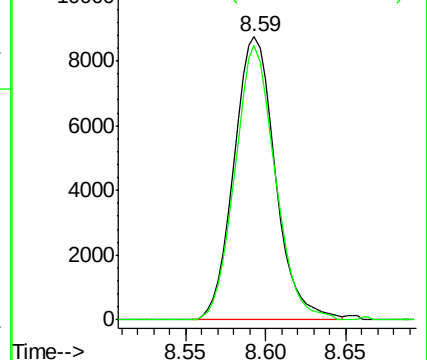
107 100

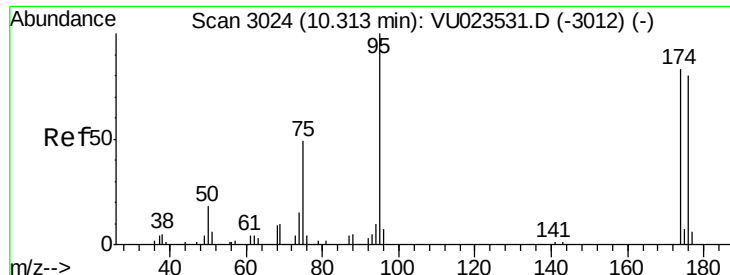
109 93.8 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





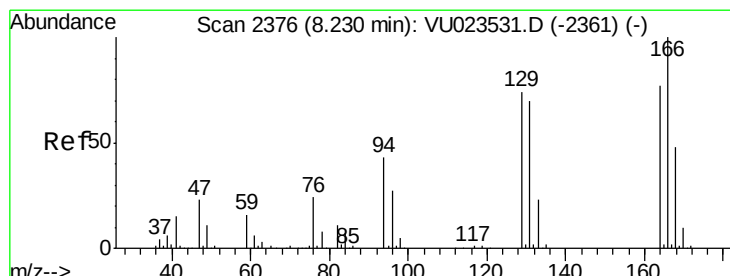
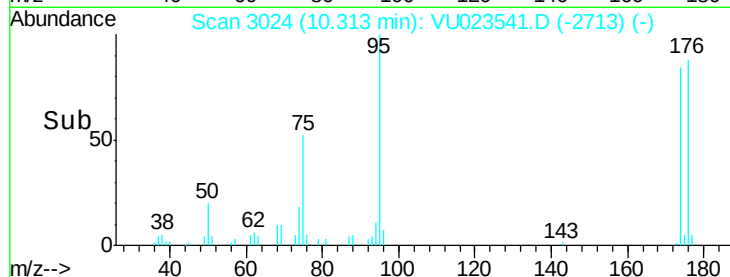
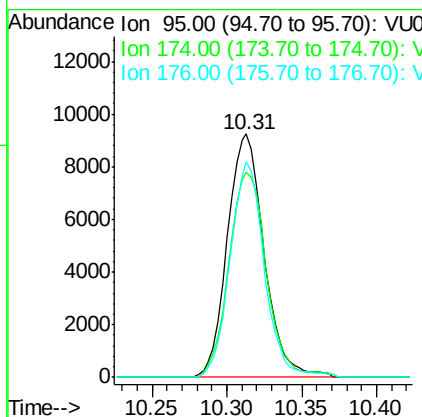
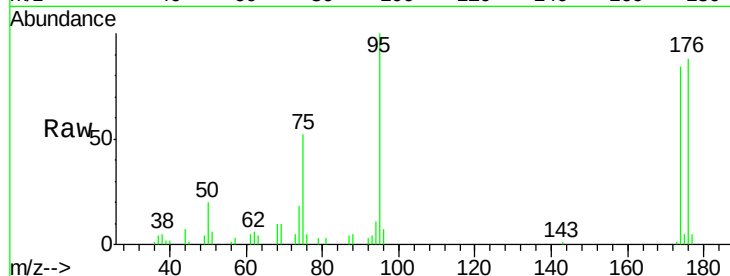
#57
4-Bromofluorobenzene
Concen: 2.02 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	15818		
174	86.5	65.6	98.4	
176	82.5	62.0	93.0	

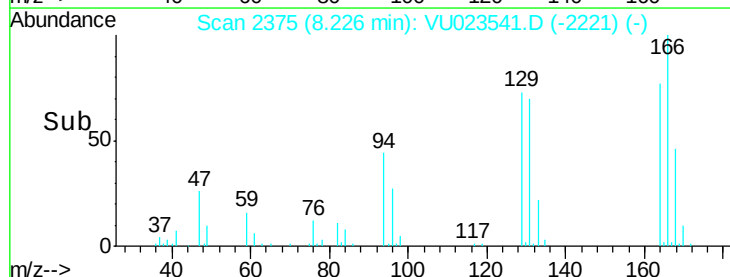
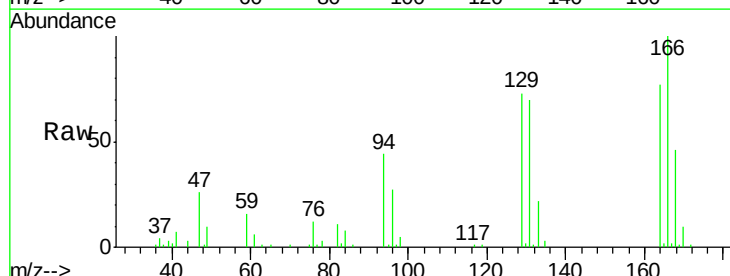
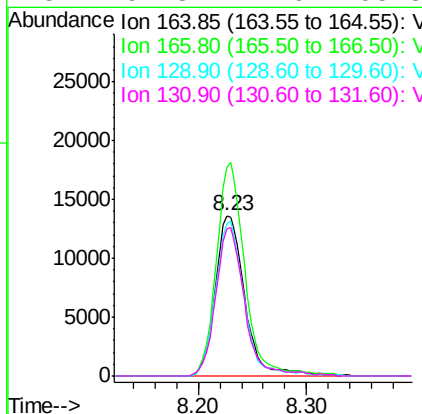
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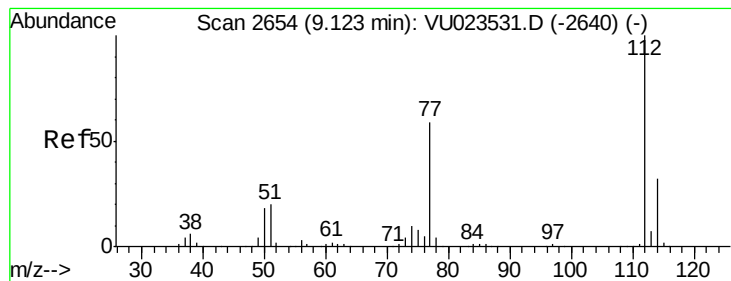
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#58
Tetrachloroethene
Concen: 1.99 ug/l
RT: 8.23 min Scan# 2375
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	25808		
166	130.4	104.1	156.1	
129	94.8	76.8	115.2	
131	91.8	72.6	108.8	





#59

Chlorobenzene

Concen: 1.99 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:112 Resp: 65042

Ion Ratio Lower Upper

112 100

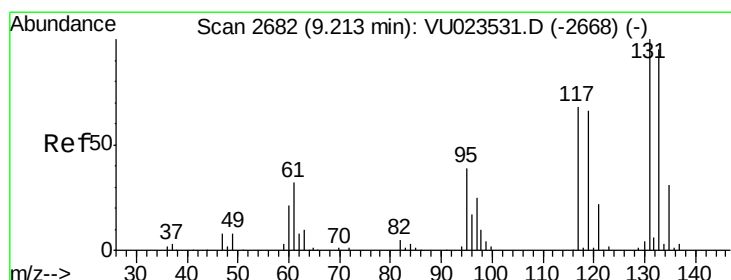
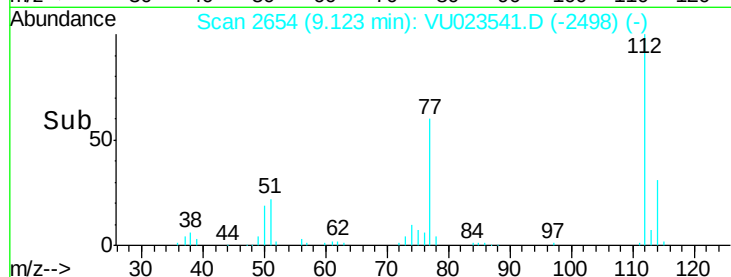
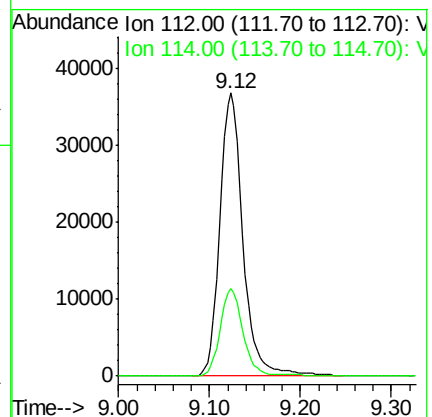
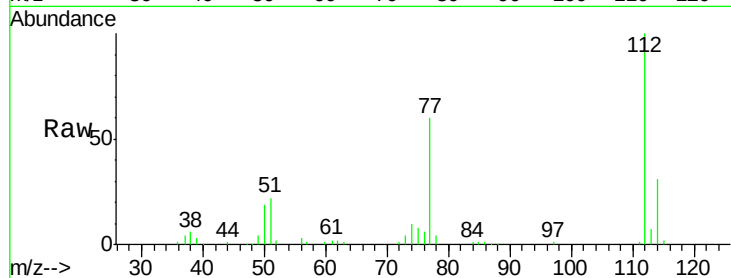
114 30.9 25.4 38.2

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 1.88 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

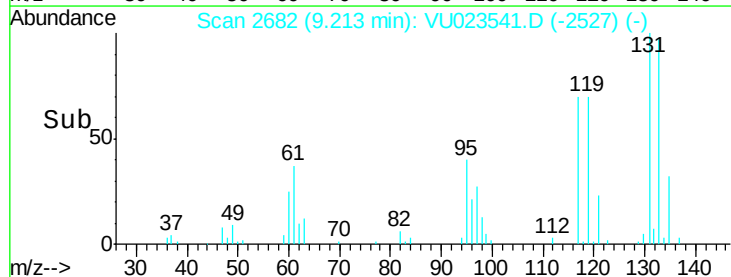
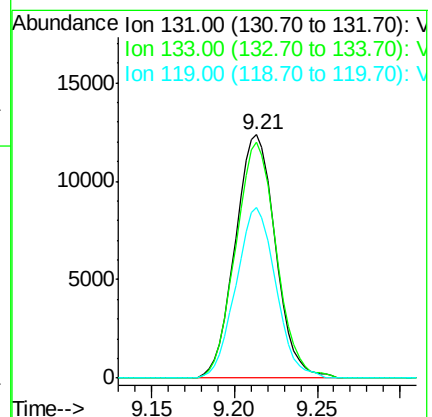
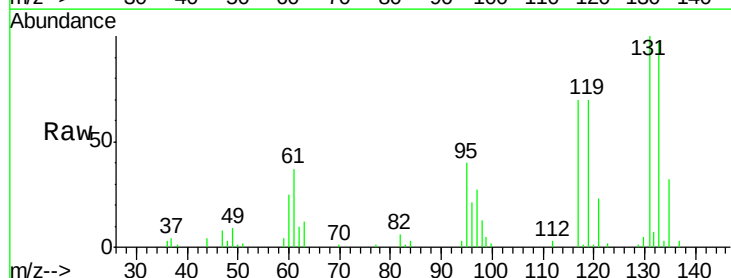
Tgt Ion:131 Resp: 20887

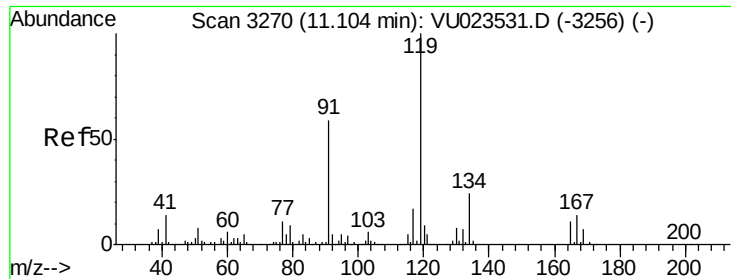
Ion Ratio Lower Upper

131 100

133 97.8 75.8 113.8

119 69.4 53.0 79.6





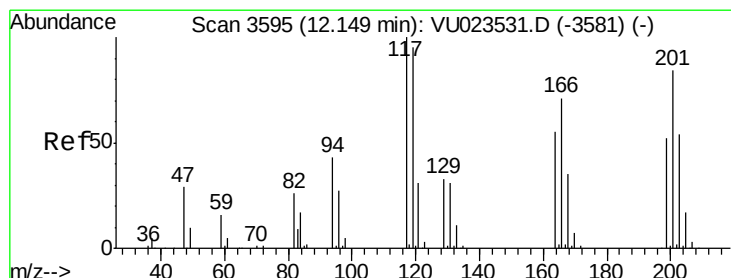
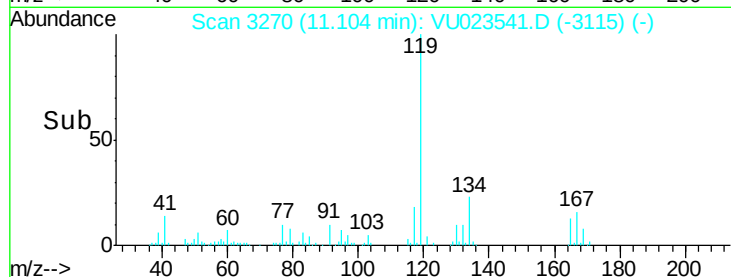
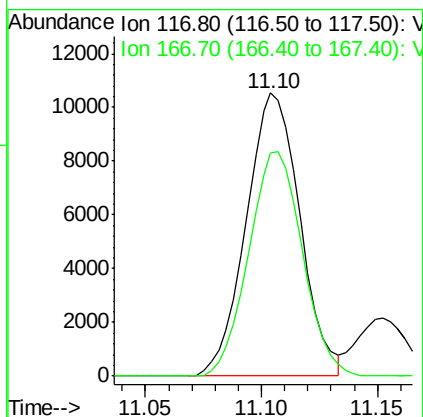
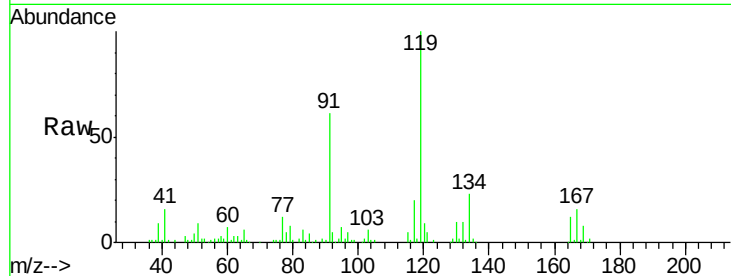
#61
 Pentachloroethane
 Concen: 2.15 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion:117 Resp: 17004
 Ion Ratio Lower Upper
 117 100
 167 79.3 69.2 103.8

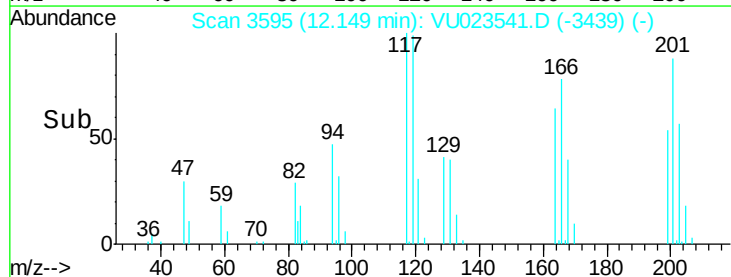
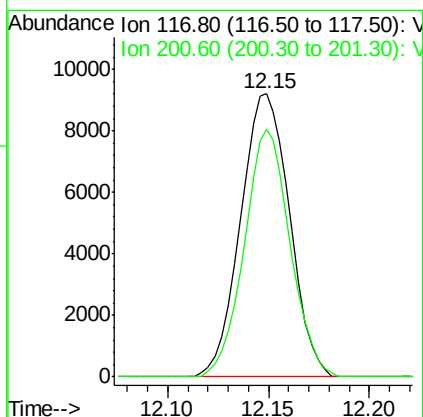
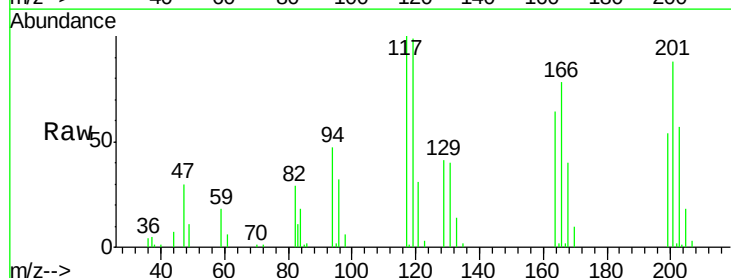
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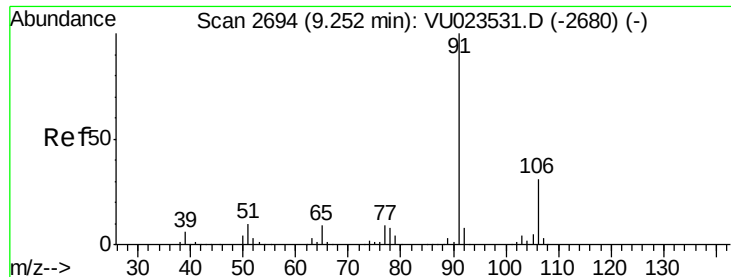
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#62
 Hexachloroethane
 Concen: 2.06 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion:117 Resp: 15608
 Ion Ratio Lower Upper
 117 100
 201 81.6 68.7 103.1





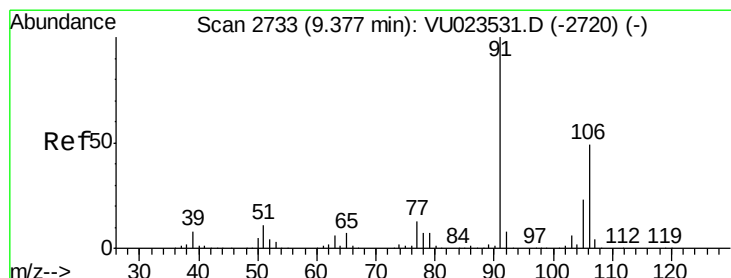
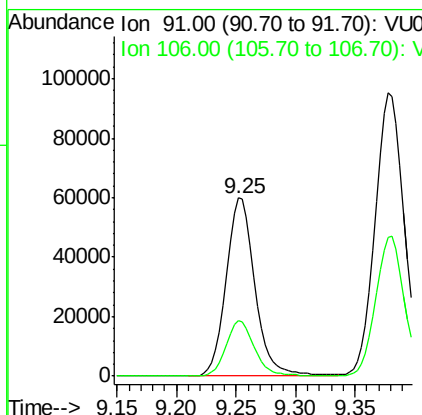
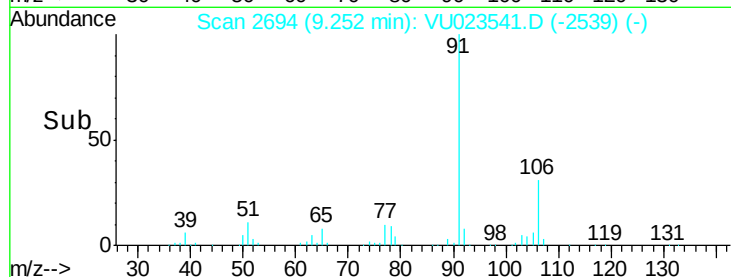
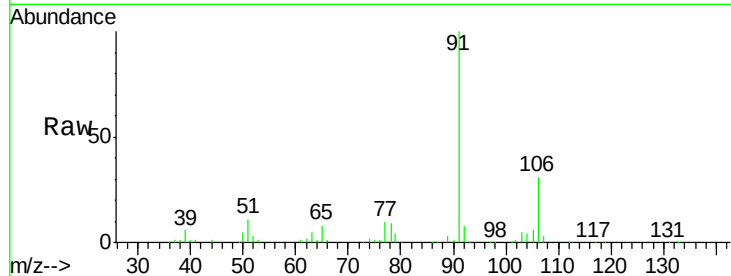
#63
Ethyl Benzene
Concen: 1.86 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion: 91 Resp: 101104
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

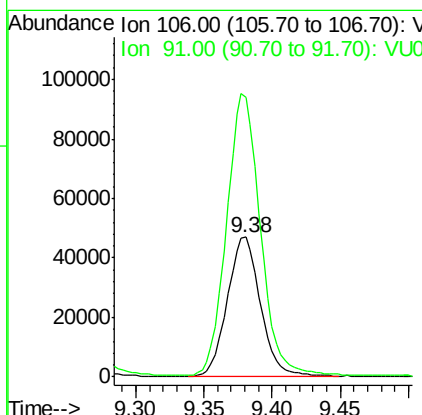
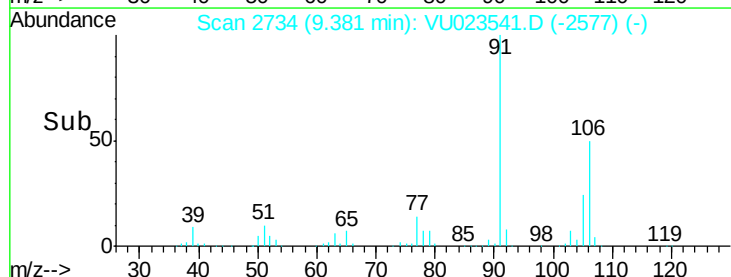
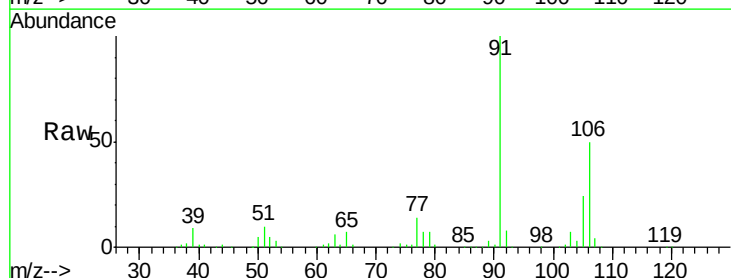
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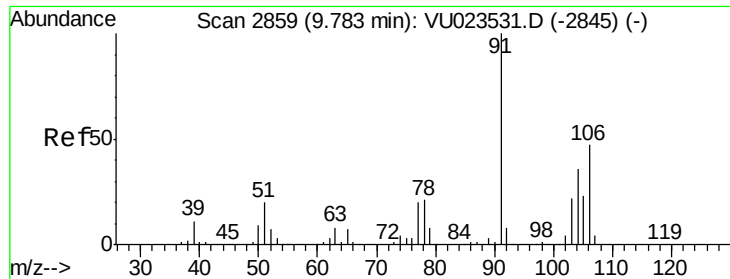
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#64
m/p-Xylenes
Concen: 3.79 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion:106 Resp: 79511
Ion Ratio Lower Upper
106 100
91 205.2 164.1 246.1





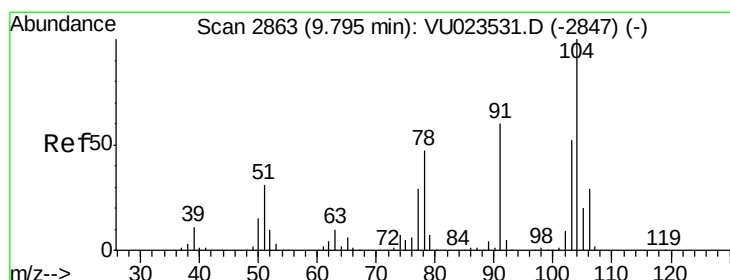
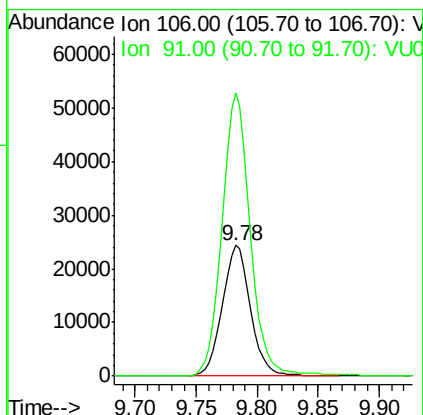
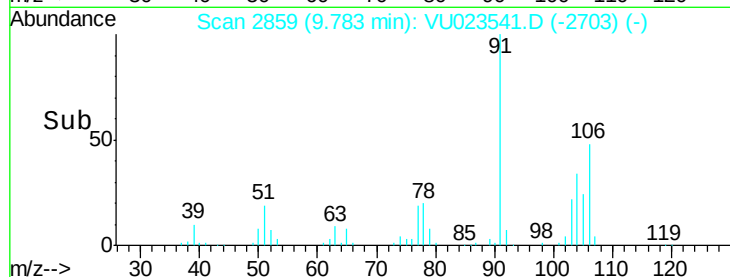
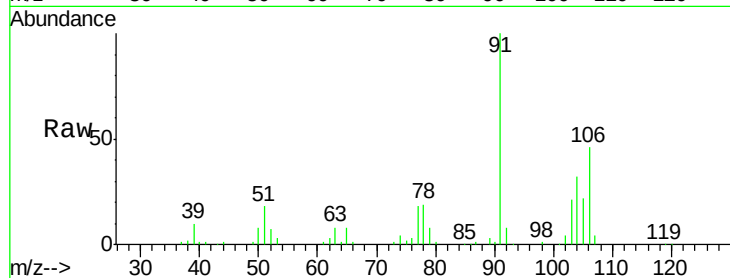
#65
o-Xylene
Concen: 1.96 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

Tot Ion:106 Resp: 39560
Ion Ratio Lower Upper
106 100
91 218.1 107.9 323.7

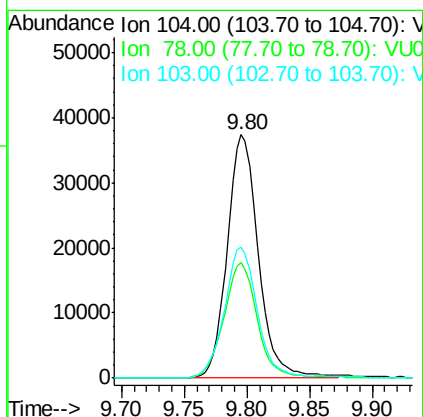
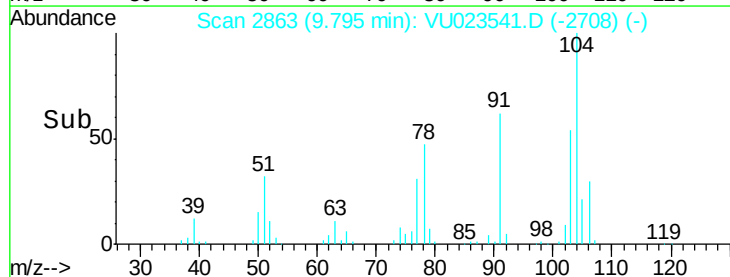
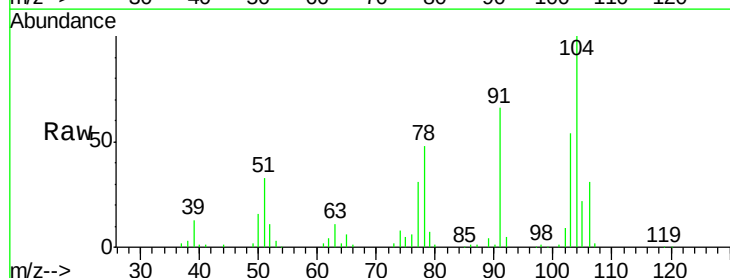
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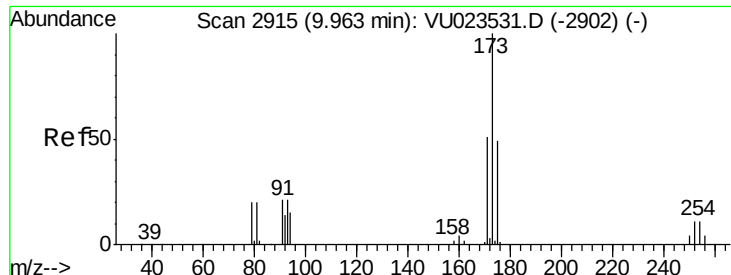
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#66
Styrene
Concen: 1.94 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion:104 Resp: 64550
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.2
103 56.4 44.2 66.4





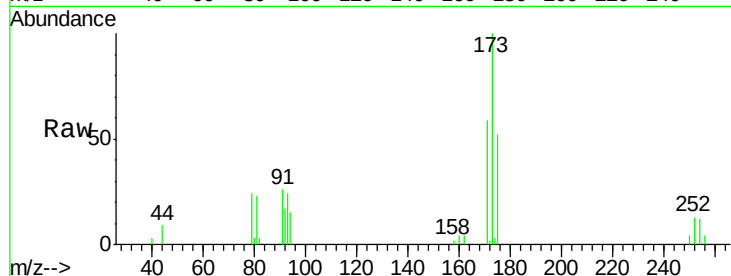
#67
Bromoform
Concen: 1.95 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Instrument :
MSVOA_U
ClientSampleId :
VU0430WBS01

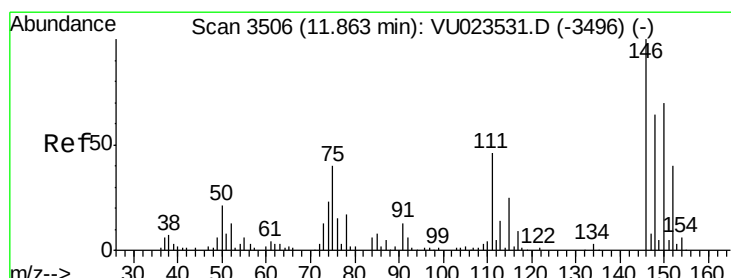
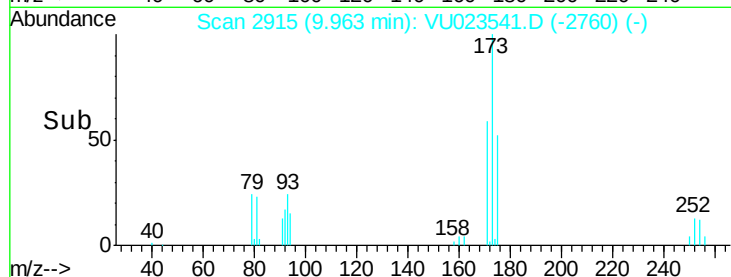
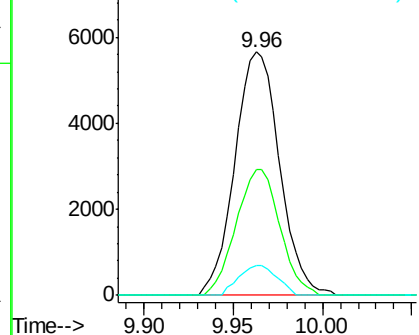
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	38.6	57.8
254	10.3	8.8	13.2

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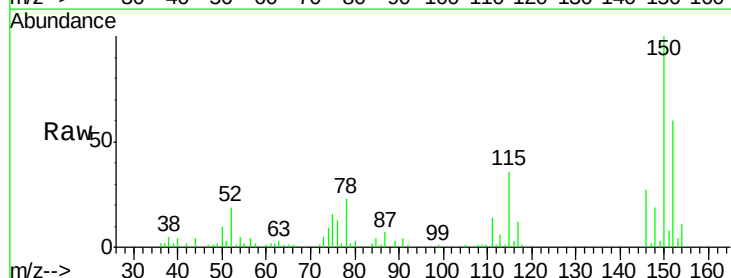


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

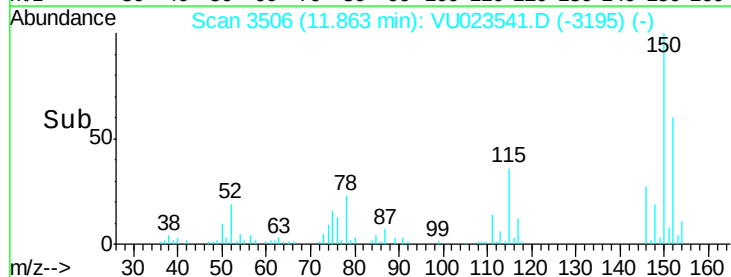
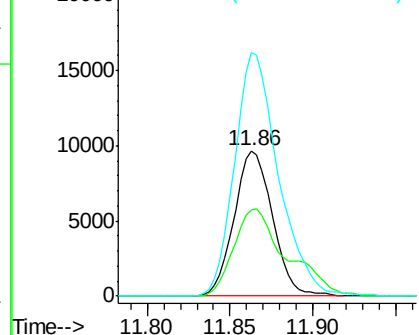


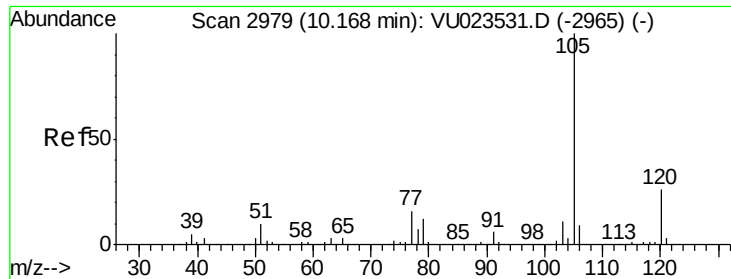
#68
1,2-Dichlorobenzene-d4
Concen: 1.95 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VU023541.D
Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.4	0.0	118.8
150	191.5	0.0	0.0#



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.93 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:105 Resp: 100636

Ion Ratio Lower Upper

105 100

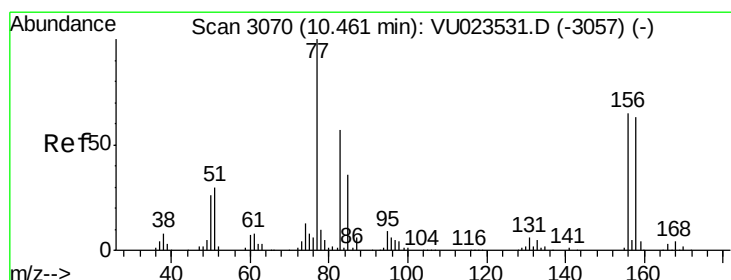
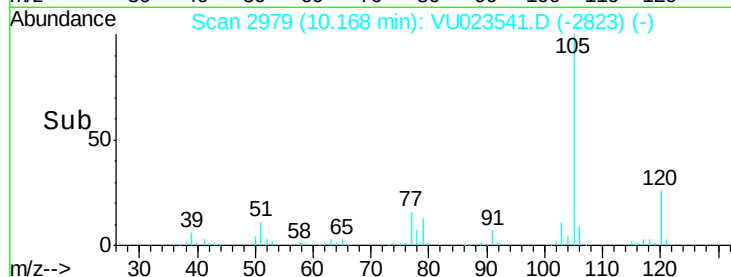
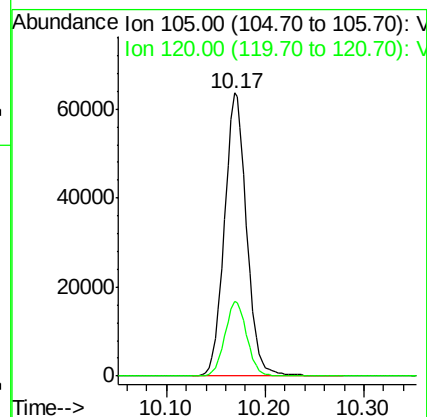
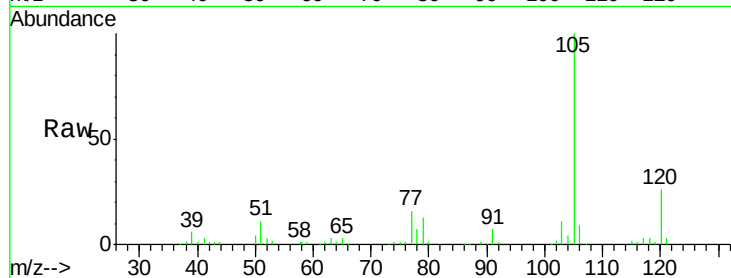
120 26.1 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.17 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

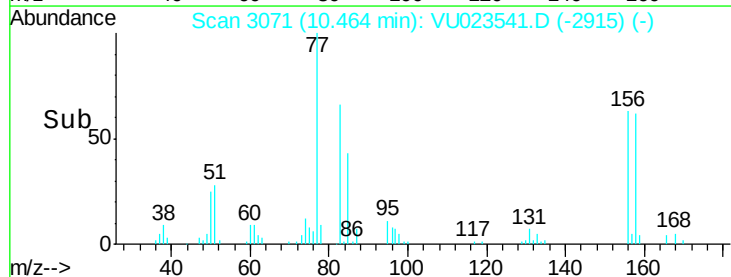
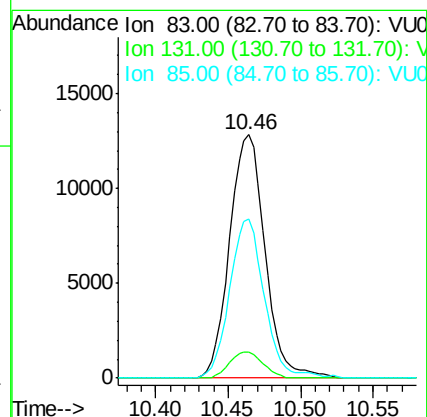
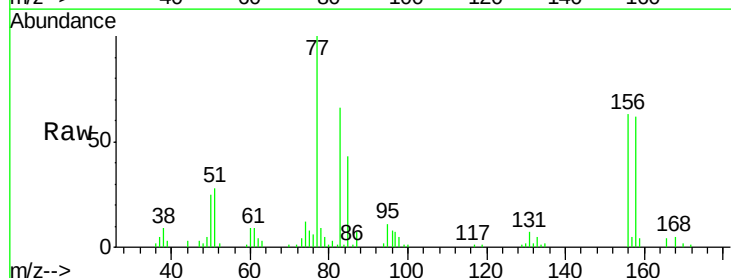
Tgt Ion: 83 Resp: 21736

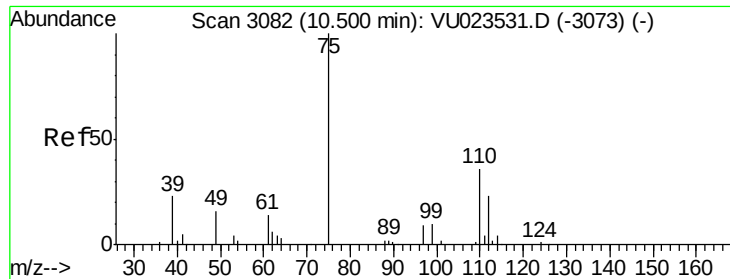
Ion Ratio Lower Upper

83 100

131 10.1 7.9 11.9

85 64.1 51.8 77.6





#71

1,2,3-Trichloropropane

Concen: 2.46 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

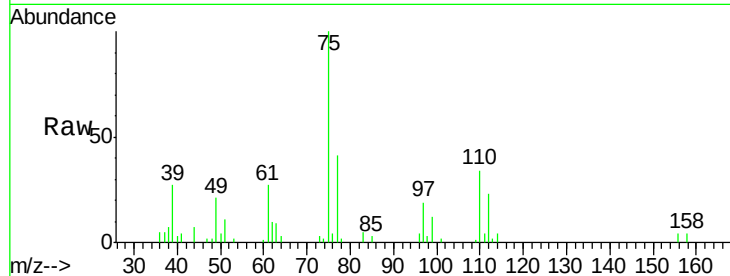
ClientSampleId :

VU0430WBS01

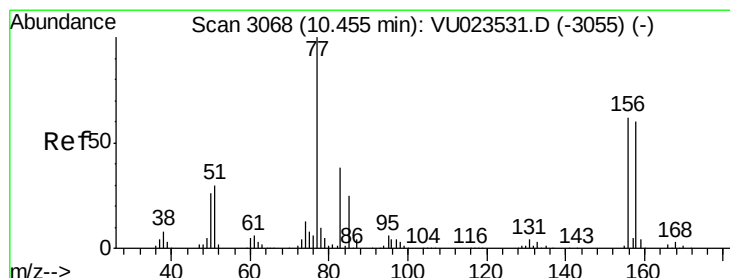
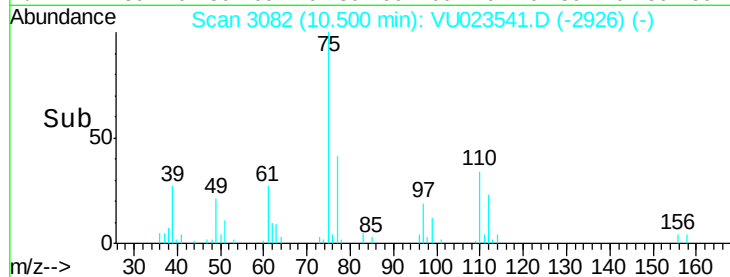
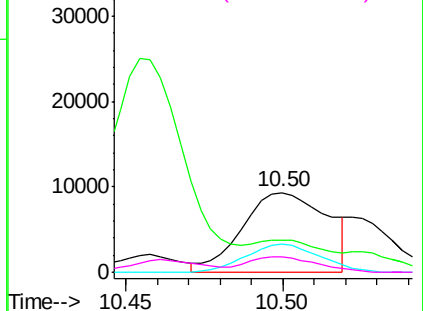
Tot Ion:	75	Resp:	17620
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	30.6	0.0	74.0
97	15.9	0.0	39.6

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Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0
Ion 110.00 (109.70 to 110.70): V
Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 2.05 ug/l

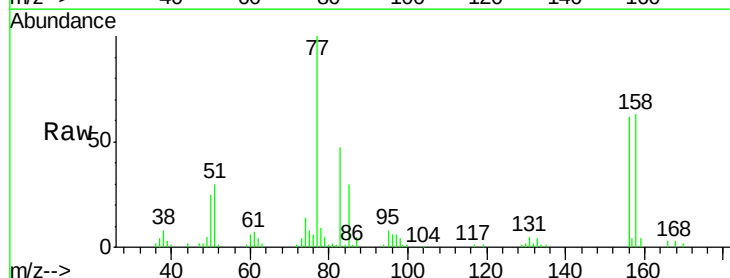
RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

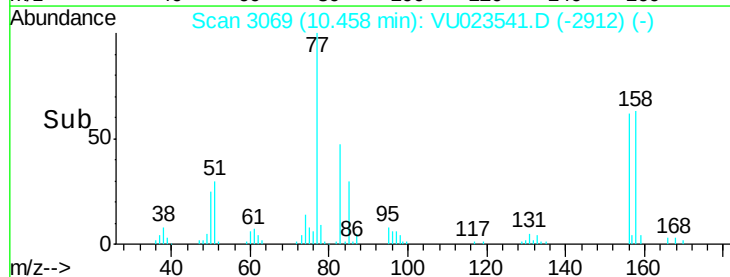
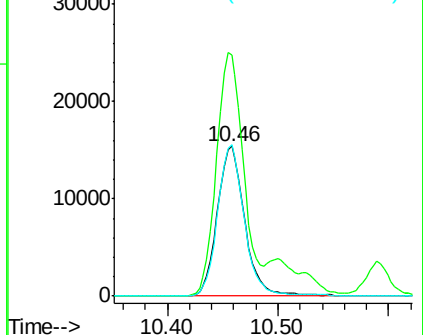
Lab File: VU023541.D

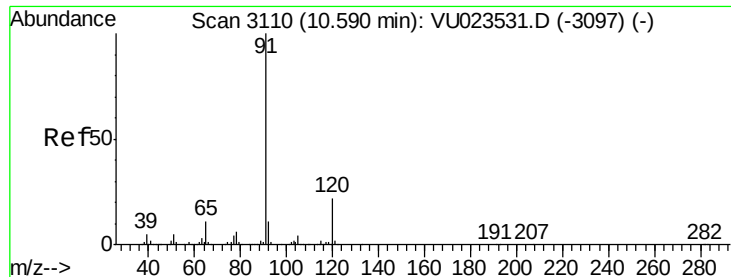
Acq: 30 Apr 2018 21:56

Tgt Ion:	156	Resp:	26552
Ion Ratio	Lower	Upper	
156	100		
77	160.3	0.0	309.8
158	97.8	0.0	193.0



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 1.97 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:120 Resp: 28362

Ion Ratio Lower Upper

120 100

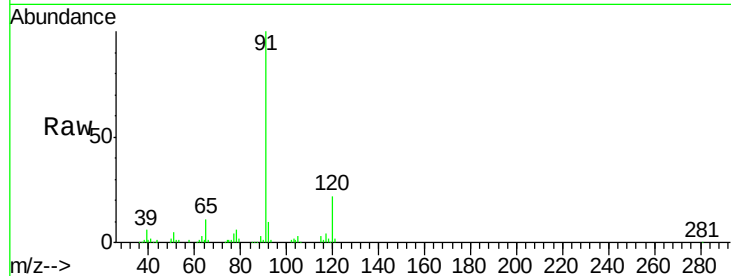
91 441.6 352.2 528.4

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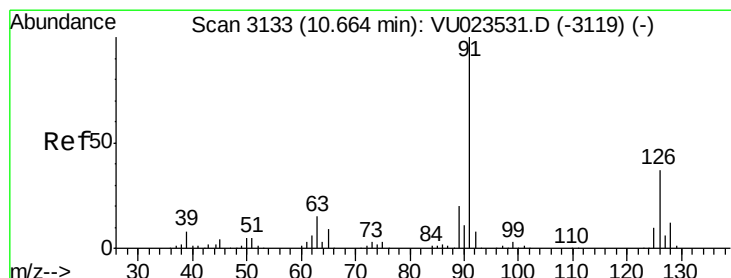
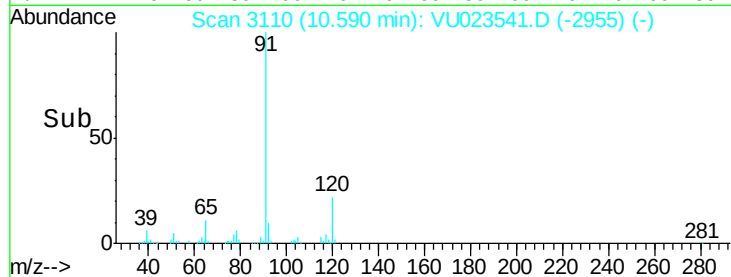
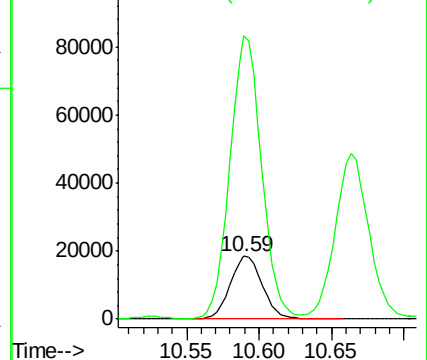
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 2.00 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU023541.D

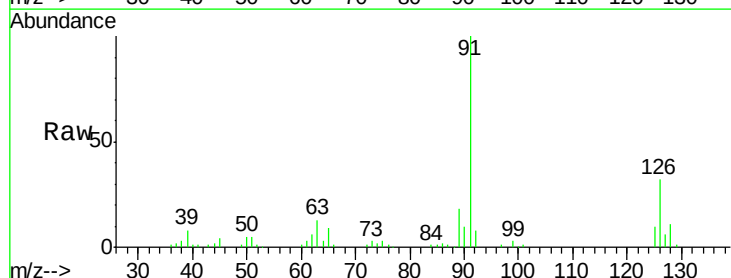
Acq: 30 Apr 2018 21:56

Tgt Ion:126 Resp: 25454

Ion Ratio Lower Upper

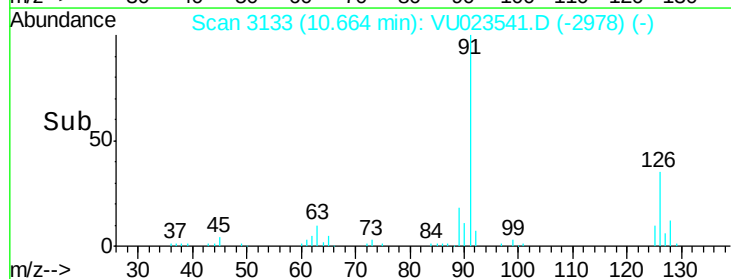
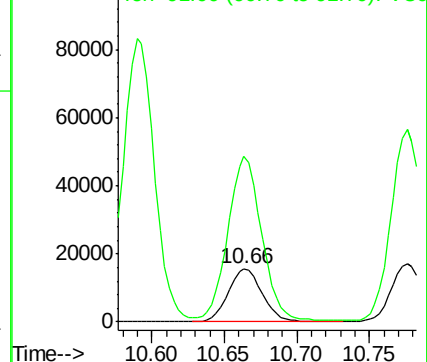
126 100

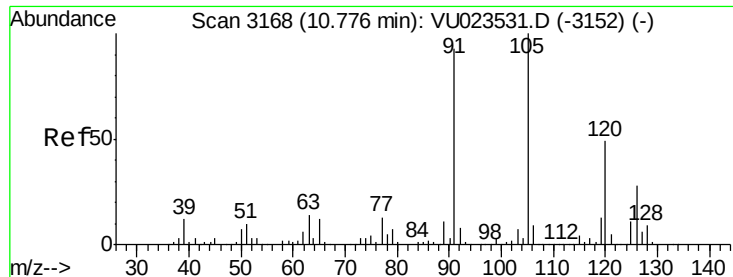
91 309.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.99 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion:105 Resp: 87267

Ion Ratio Lower Upper

105 100

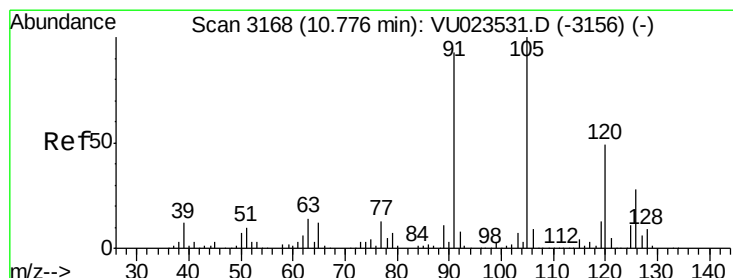
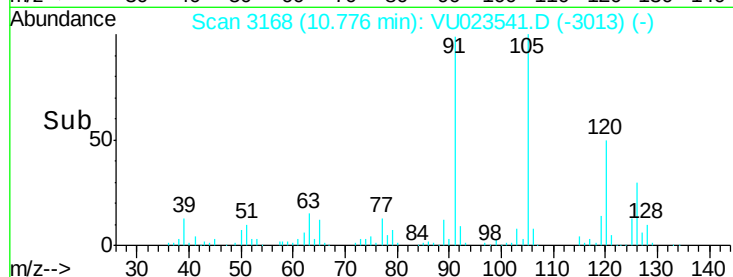
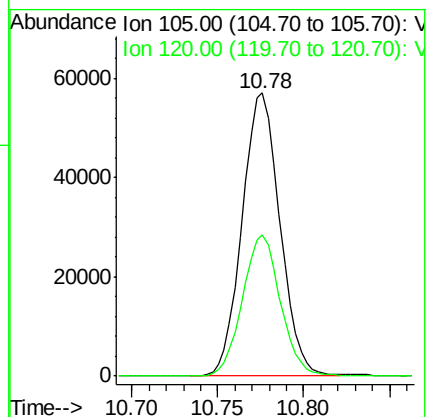
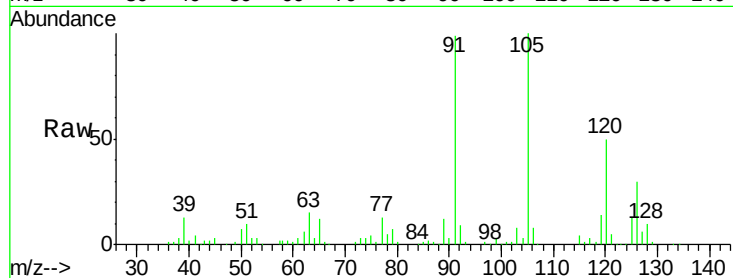
120 49.8 39.0 58.6

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#76

4-Chlorotoluene

Concen: 2.03 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU023541.D

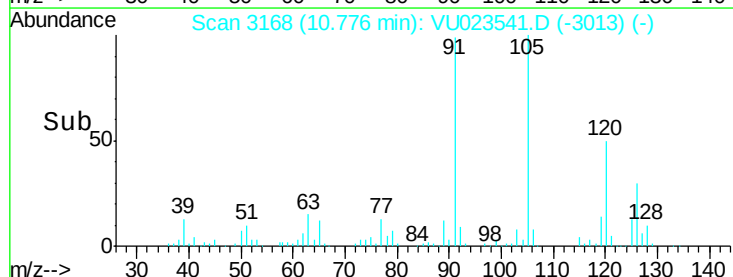
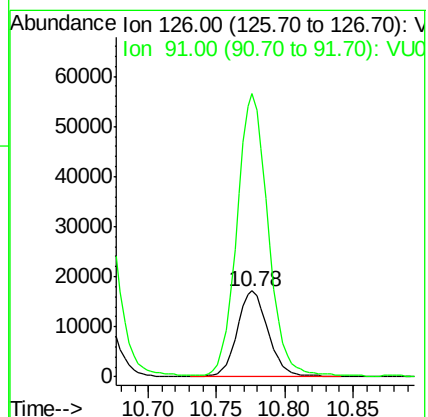
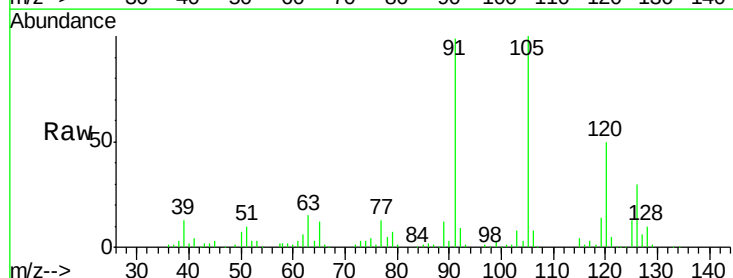
Acq: 30 Apr 2018 21:56

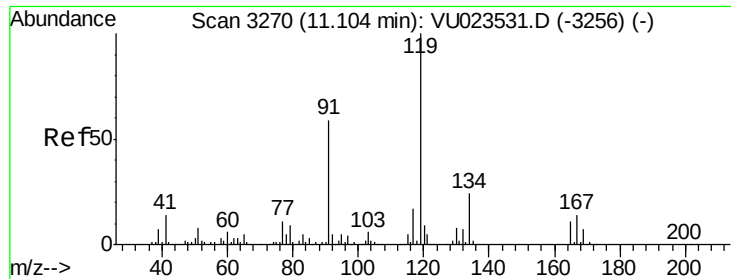
Tgt Ion:126 Resp: 26774

Ion Ratio Lower Upper

126 100

91 332.5 0.0 667.2





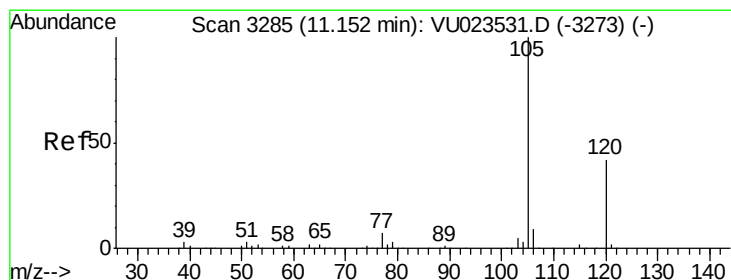
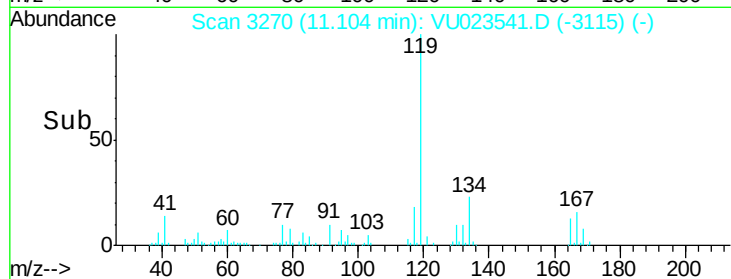
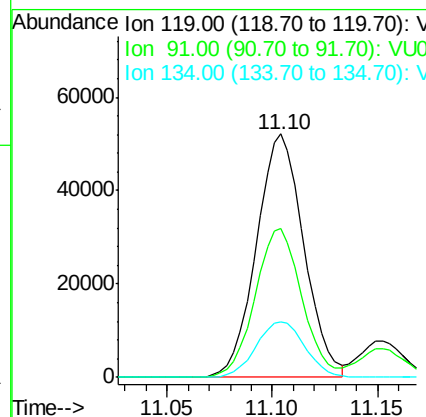
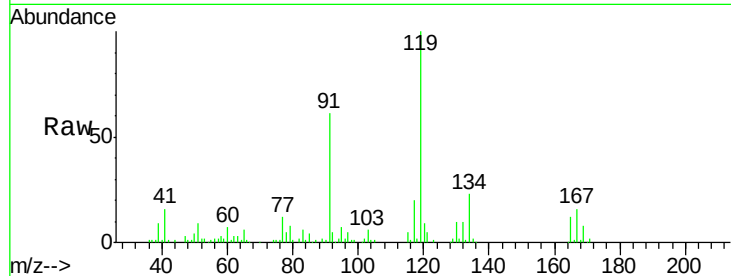
#77
 tert-Butylbenzene
 Concen: 1.98 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.6	88.8
134	23.5	19.1	28.7

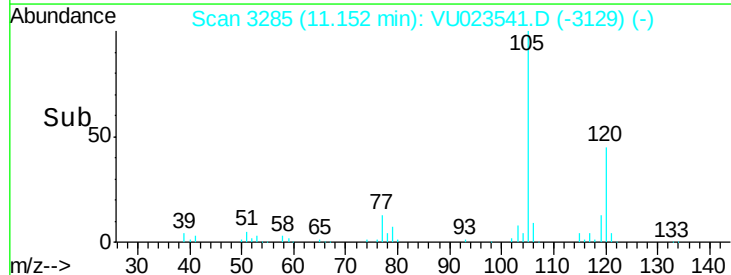
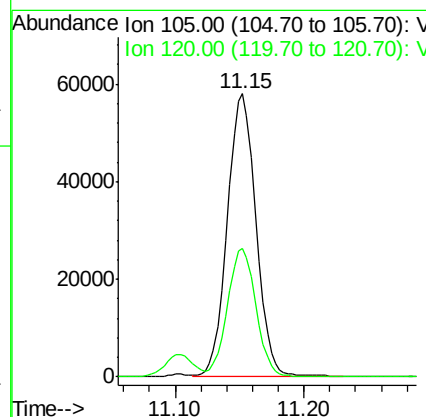
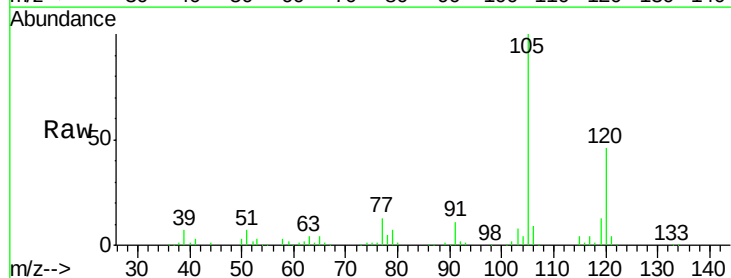
Manual Integrations
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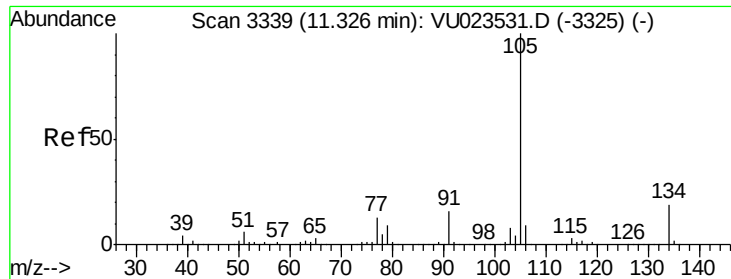
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#78
 1,2,4-Trimethylbenzene
 Concen: 2.01 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.3





#79

sec-Butylbenzene

Concen: 2.01 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampleId :

VU0430WBS01

Tot Ion: 105 Resp: 115913

Ion Ratio Lower Upper

105 100

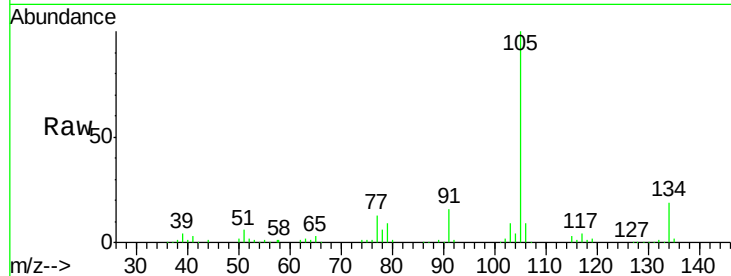
134 19.8 15.6 23.4

Manual Integrations

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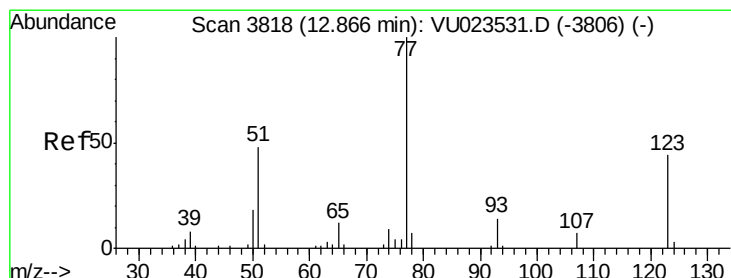
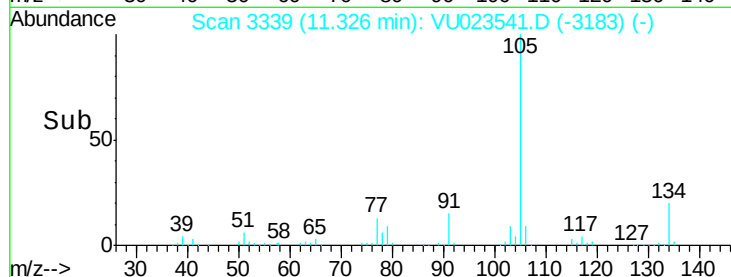
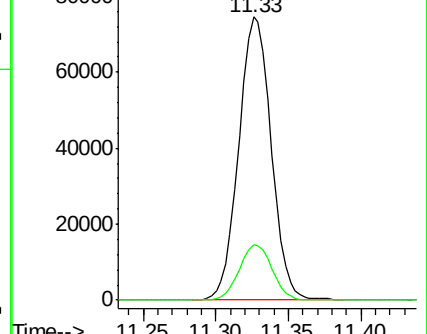
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 10.53 ug/l

RT: 12.87 min Scan# 3820

Delta R.T. 0.01 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

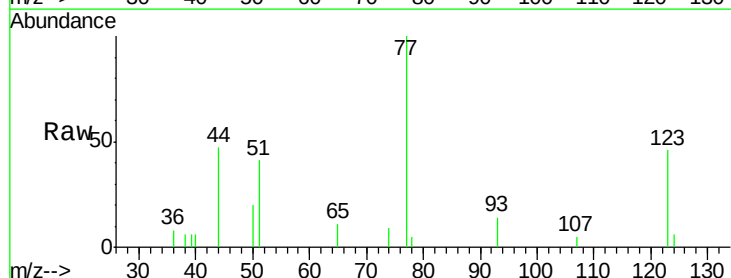
Tgt Ion: 77 Resp: 3545

Ion Ratio Lower Upper

77 100

123 43.1 19.4 68.6

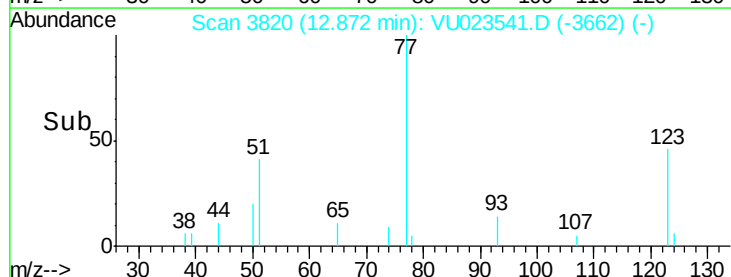
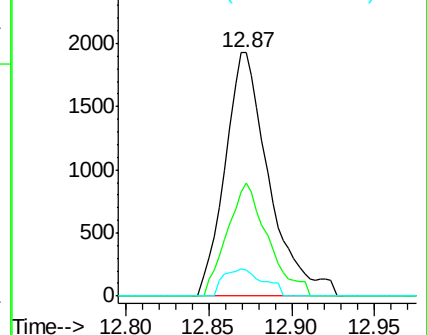
65 10.1 11.2 14.2#

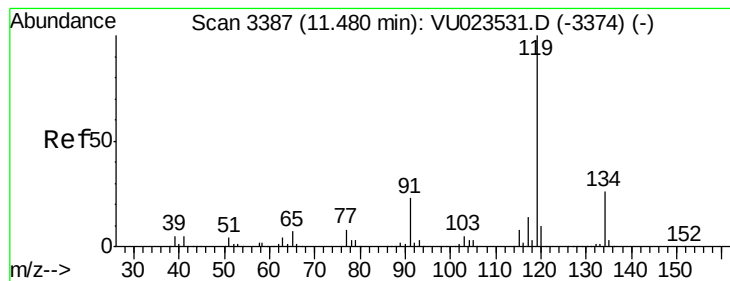


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 1.97 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

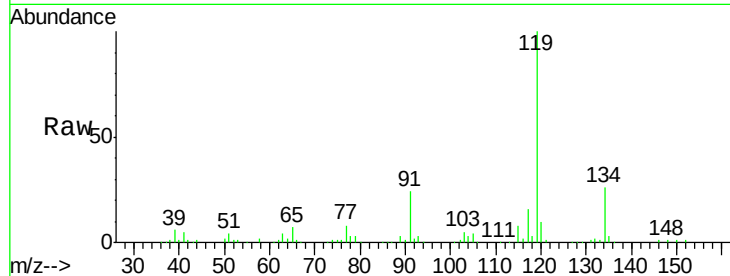
ClientSampleId :

VU0430WBS01

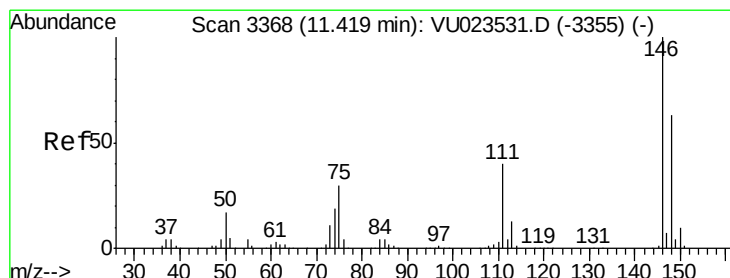
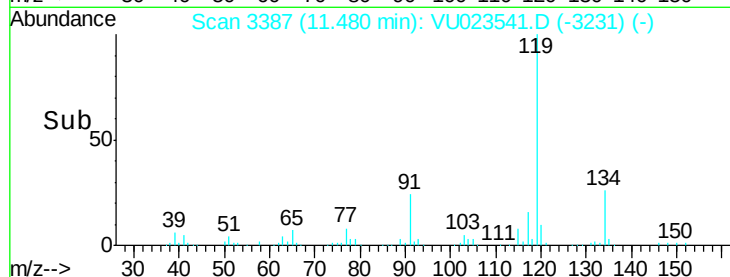
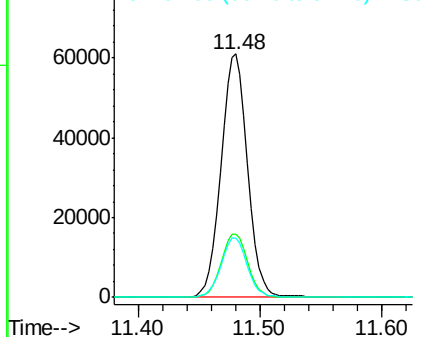
Tot Ion:	119	Resp:	93284
Ion Ratio	Lower	Upper	
119	100		
134	26.3	20.9	31.3
91	24.4	18.2	27.2

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V



#82

1,3-Dichlorobenzene

Concen: 2.07 ug/l

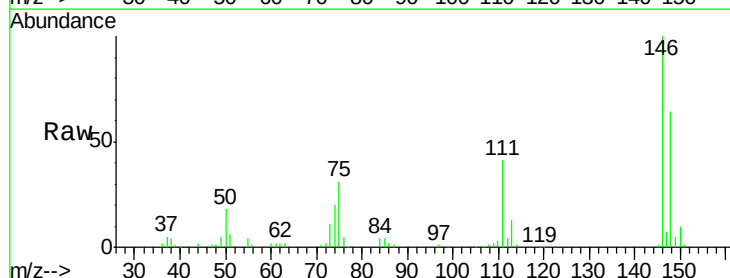
RT: 11.42 min Scan# 3368

Delta R.T. -0.00 min

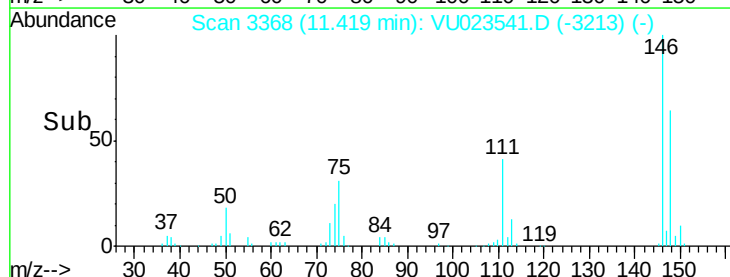
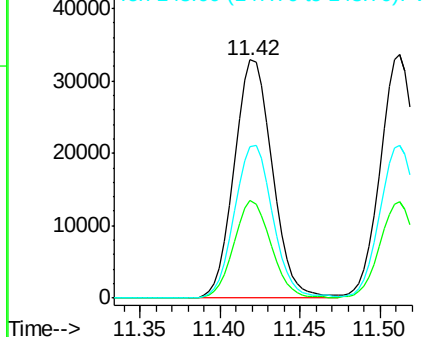
Lab File: VU023541.D

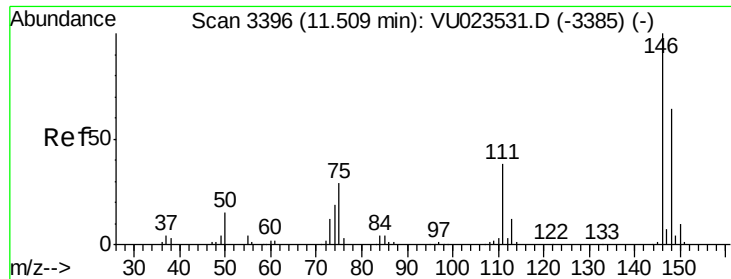
Acq: 30 Apr 2018 21:56

Tgt Ion:	146	Resp:	53541
Ion Ratio	Lower	Upper	
146	100		
111	40.1	31.8	47.6
148	64.3	51.0	76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





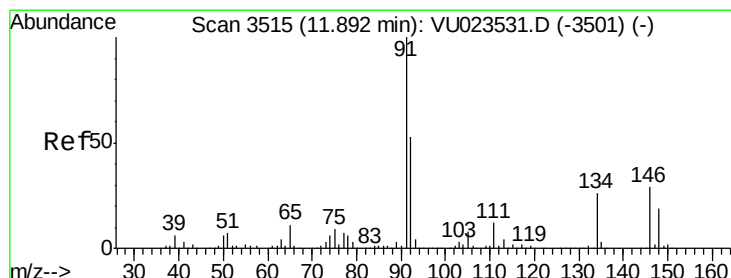
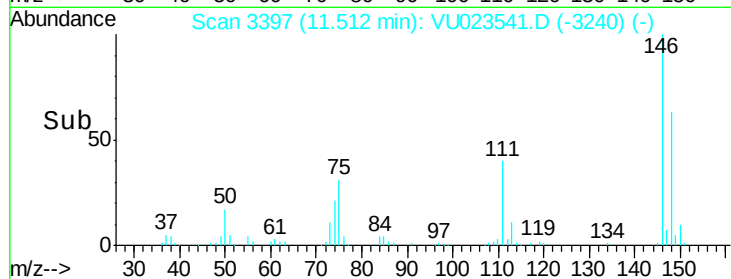
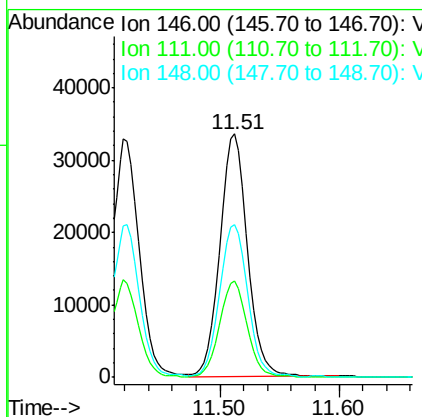
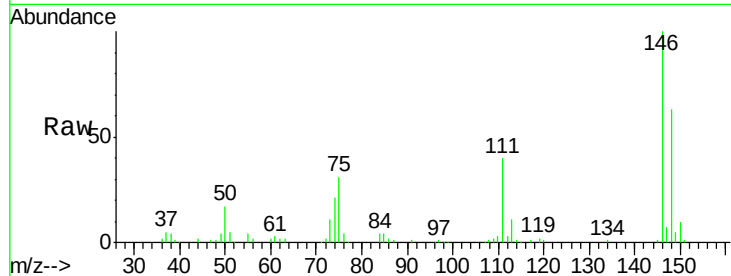
#83
 1,4-Dichlorobenzene
 Concen: 2.09 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	30.1	45.1
148	63.8	50.6	76.0

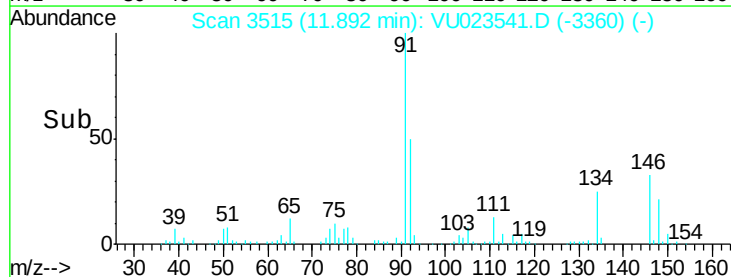
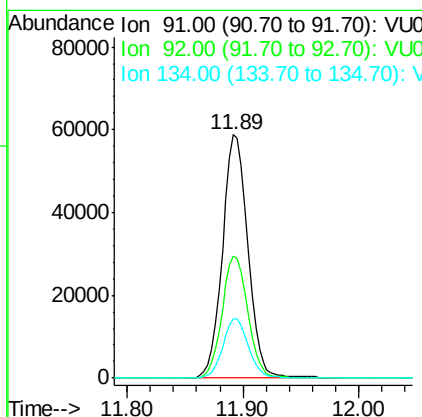
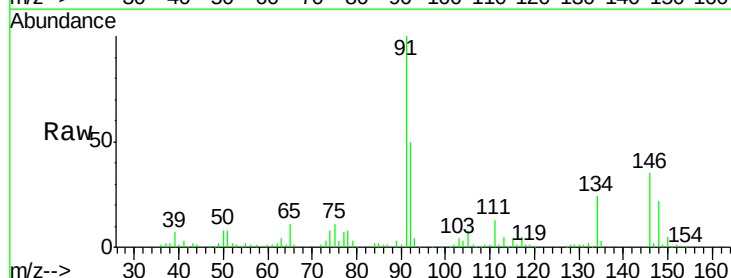
Manual Integrations
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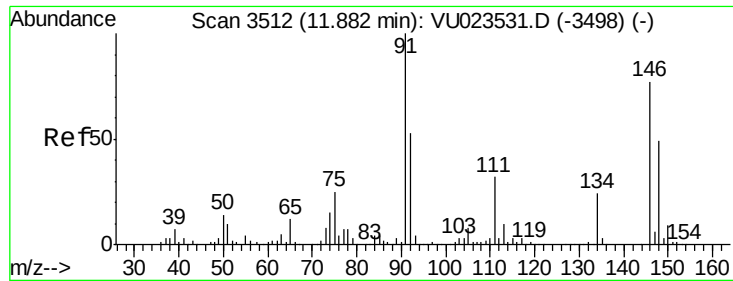
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#84
 n-Butylbenzene
 Concen: 1.95 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	42.2	63.2
134	24.5	20.3	30.5





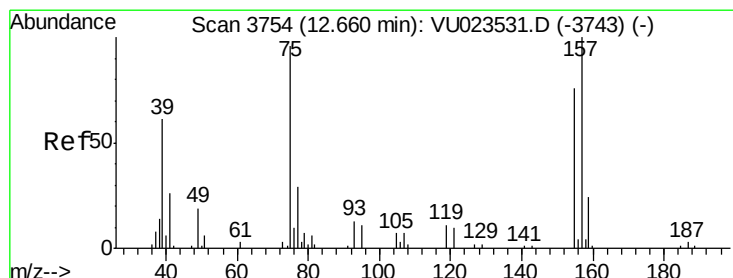
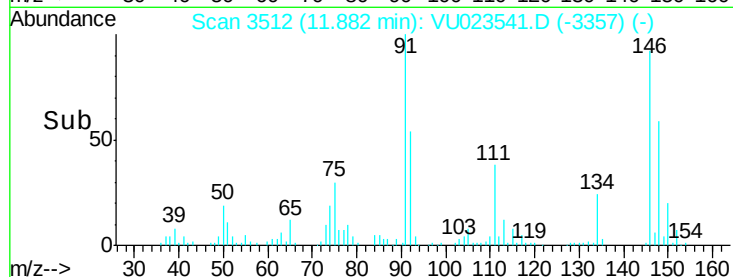
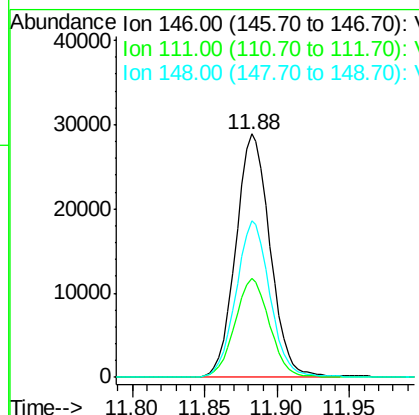
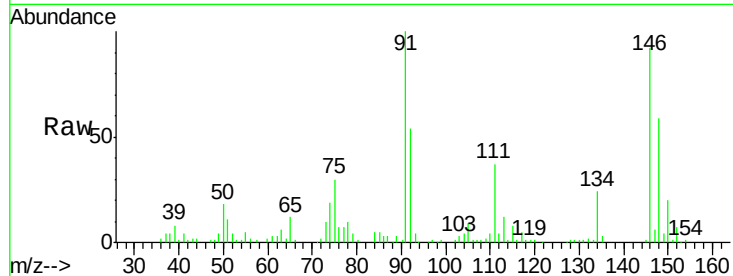
#85
 1,2-Dichlorobenzene
 Concen: 2.03 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0430WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	63.8	31.9	95.5

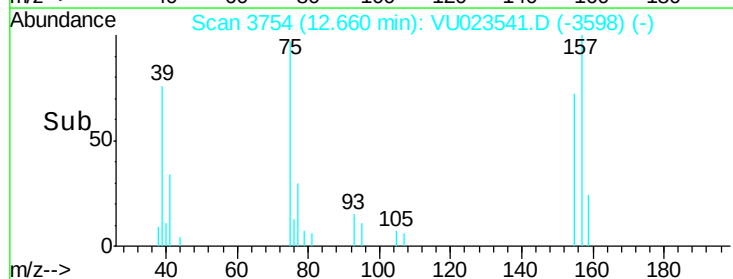
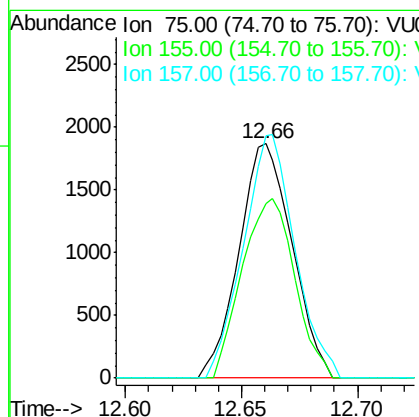
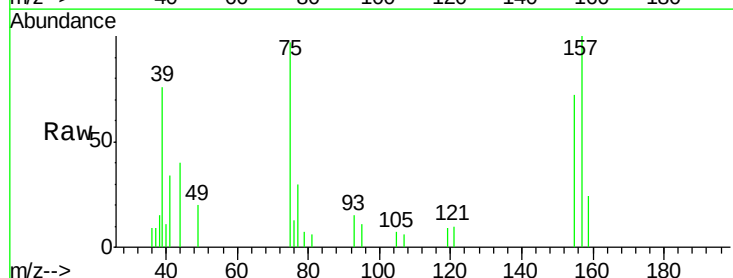
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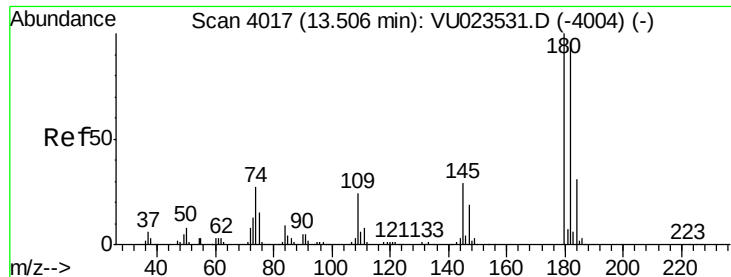
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.10 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. -0.00 min
 Lab File: VU023541.D
 Acq: 30 Apr 2018 21:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	65.8	98.6
157	100.8	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 1.94 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

ClientSampled :

VU0430WBS01

Tot Ion:180 Resp: 32748

Ion Ratio Lower Upper

180 100

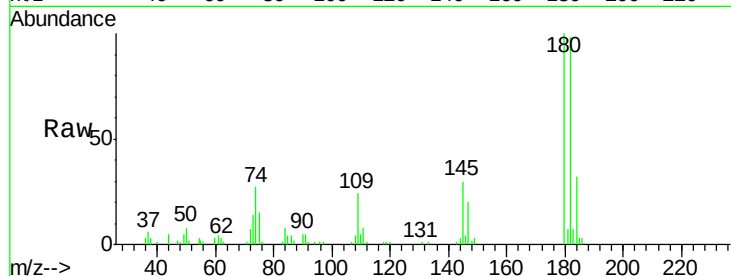
182 95.2 77.1 115.7

145 29.5 23.3 34.9

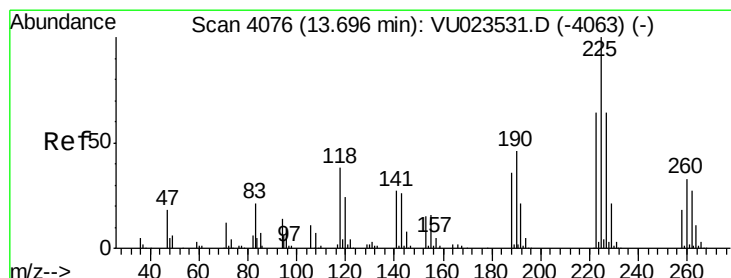
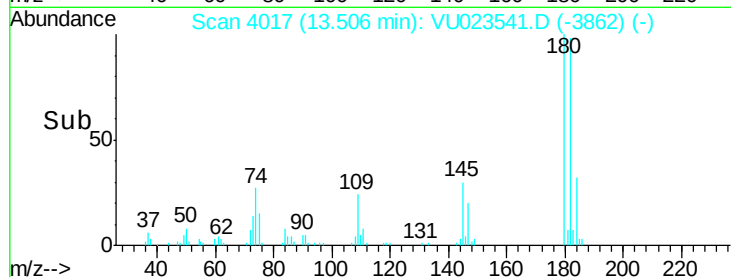
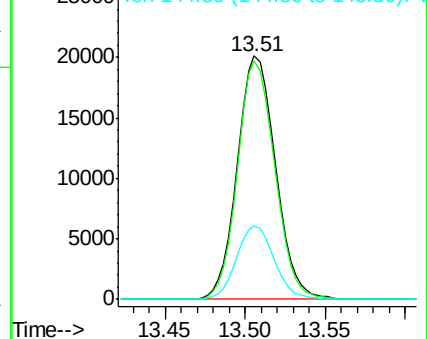
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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 2.08 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

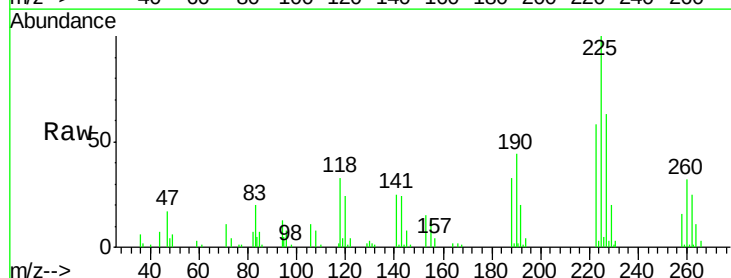
Tgt Ion:225 Resp: 21318

Ion Ratio Lower Upper

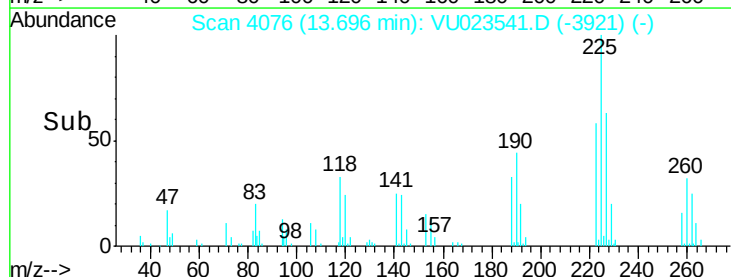
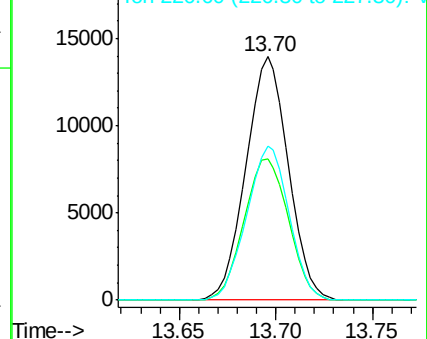
225 100

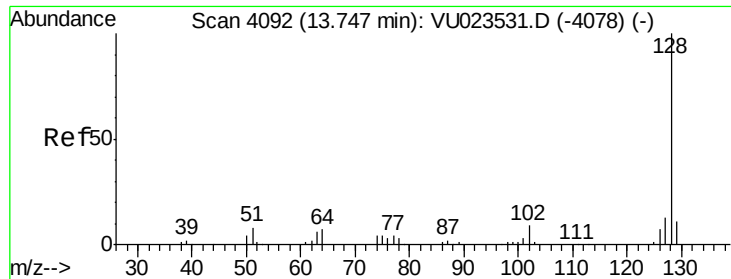
223 60.7 50.6 75.8

227 63.2 51.8 77.6



Abundance Ion 224.60 (224.30 to 225.30): V
Ion 222.60 (222.30 to 223.30): V
Ion 226.60 (226.30 to 227.30): V





#89

Naphthalene

Concen: 1.79 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Instrument :

MSVOA_U

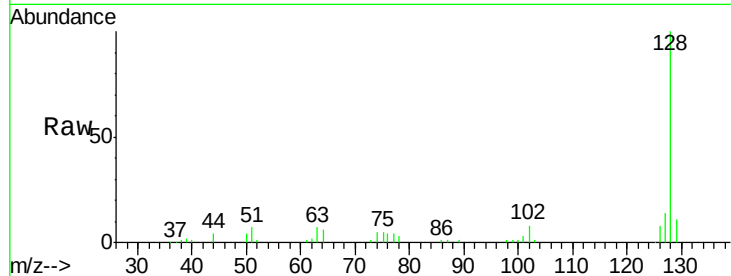
ClientSampleId :

VU0430WBS01

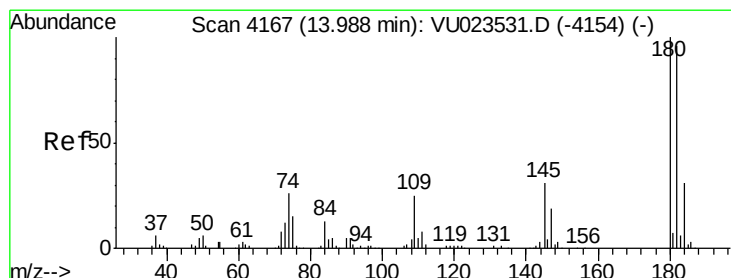
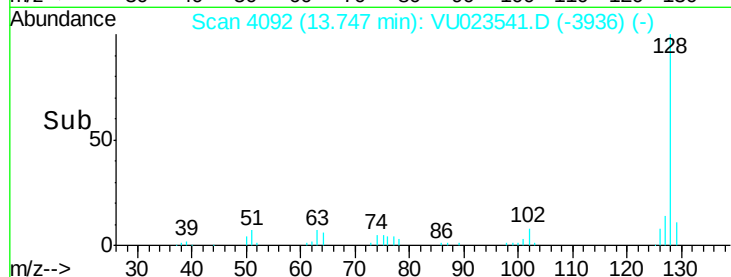
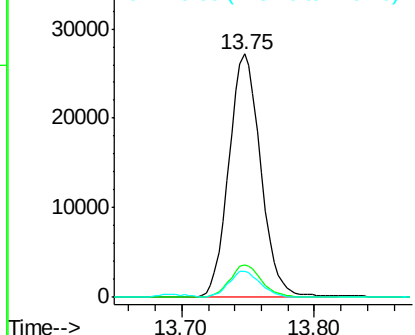
Tot Ion:	128	Resp:	45558
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.7	13.1

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90

1,2,3-Trichlorobenzene

Concen: 1.97 ug/l

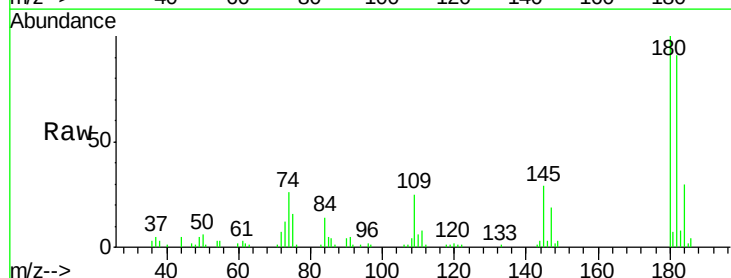
RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU023541.D

Acq: 30 Apr 2018 21:56

Tgt Ion:	180	Resp:	31203
Ion Ratio	Lower	Upper	
180	100		
182	91.2	76.8	115.2
145	29.6	24.6	36.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

