

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023529.D
 Acq On : 30 Apr 2018 15:53
 Operator : MD/SY
 Sample : VSTDIC002
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC002

Manual Integrations
 APPROVED

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 5/3/2018 4:39:08 PM

Quant Time: May 01 04:54:17 2018
 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 04:31:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	55725	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	18834	0.94	ug/l	0.00
Spiked Amount	1.000		Recovery	=	94.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18477	0.94	ug/l	0.00
Spiked Amount	1.000		Recovery	=	94.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.21	85	38553	2.19	ug/l	97
3) Chloromethane	1.33	50	44235	1.98	ug/l	99
4) Vinyl Chloride	1.40	62	42375	2.09	ug/l	96
5) Bromomethane	1.64	94	22598	1.71	ug/l	99
6) Chloroethane	1.70	64	24584	2.12	ug/l	99
7) Trichlorofluoromethane	1.89	101	49393	2.16	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	29943	2.19	ug/l	99
9) 1,1-Dichloroethene	2.29	96	27509	2.01	ug/l	96
10) Iodomethane	2.41	142	32800	2.14	ug/l	97
11) Allyl Chloride	2.60	41	50188	2.30	ug/l	98
12) Acrylonitrile	2.95	53	12364	3.98	ug/l	98
13) Acetone	2.35	43	24448	9.90	ug/l	96
14) Carbon Disulfide	2.48	76	90108	2.10	ug/l	100
15) Methylene Chloride	2.71	84	30135	1.82	ug/l	99
16) trans-1,2-Dichloroethene	2.99	96	29896	2.02	ug/l	94
17) 1,1-Dichloroethane	3.45	63	58847	2.13	ug/l	99
18) 2-Butanone	4.31	43	38664	10.24	ug/l	99
19) Cyclohexane	4.99	56	50665	2.54	ug/l	99
20) Methylcyclohexane	6.41	83	48464	2.10	ug/l	98
21) 2,2-Dichloropropane	4.23	77	46121	2.28	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	32620	1.98	ug/l	99
23) Diethyl Ether	2.11	59	23053	2.06	ug/l	99
24) tert-Butyl Alcohol	2.90	59	16714m	15.37	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	69876	2.02	ug/l	99
26) Bromochloromethane	4.55	128	12845	1.78	ug/l	99
27) Chloroform	4.68	83	54175	1.97	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	45868	2.16	ug/l	99
29) 1,1-Dichloropropene	5.13	75	43728	2.09	ug/l	99
30) Carbon Tetrachloride	5.13	117	38265	2.15	ug/l	98
31) Isopropyl Ether	3.58	45	99488	2.36	ug/l	97
32) Ethyl-t-butyl ether	4.09	59	83471	2.19	ug/l	99
33) Tert-Amyl methyl ether	5.59	73	69242	2.10	ug/l	98
34) Propionitrile	4.38	54	11373	9.95	ug/l #	94
35) Benzene	5.39	78	131446	2.08	ug/l	100
36) 1,2-Dichloroethane	5.41	62	36485	2.18	ug/l	100
37) Trichloroethene	6.18	130	34686	2.06	ug/l	97
38) 1,2-Dichloropropane	6.44	63	37043	2.30	ug/l	97
39) Methacrylonitrile	4.57	41	11333	2.39	ug/l #	94
40) Methyl acrylate	4.44	55	14947	2.09	ug/l #	97
41) Tetrahydrofuran	4.68	42	11441	4.33	ug/l	97
42) 1-Chlorobutane	5.07	56	64367	2.29	ug/l	95

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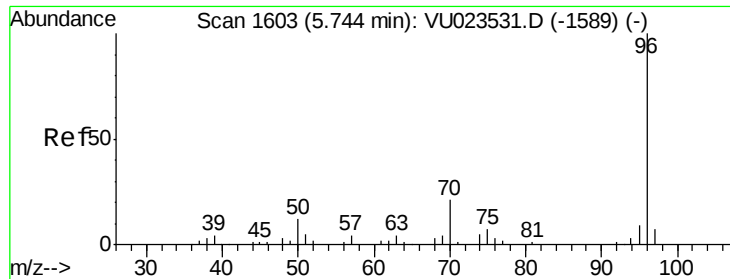
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	15406	2.02	ug/l	99
44) Bromodichloromethane	6.76	83	38676	2.17	ug/l	99
45) 4-Methyl-2-Pentanone	7.48	43	90322	10.30	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	9897m	3.62	ug/l	
47) Methyl methacrylate	6.64	69	27740	3.84	ug/l	98
48) Ethyl methacrylate	8.03	69	22900	1.78	ug/l	97
49) Toluene	7.64	92	74931	2.03	ug/l	96
50) t-1,3-Dichloropropene	7.89	75	32264	2.11	ug/l	94
51) cis-1,3-Dichloropropene	7.27	75	41634	2.11	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	22127	2.00	ug/l	99
53) 1,3-Dichloropropane	8.25	76	40484	2.12	ug/l	98
54) 2-Hexanone	8.38	43	61526	10.29	ug/l	98
55) Dibromochloromethane	8.48	129	24035	2.11	ug/l	100
56) 1,2-Dibromoethane	8.59	107	18822	1.93	ug/l	99
58) Tetrachloroethene	8.23	164	31228	2.08	ug/l	98
59) Chlorobenzene	9.12	112	80666	1.99	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	27221	1.99	ug/l	98
61) Pentachloroethane	11.10	117	19920	2.01	ug/l	94
62) Hexachloroethane	12.15	117	18429	2.07	ug/l	96
63) Ethyl Benzene	9.25	91	132818	1.98	ug/l	100
64) m/p-Xylenes	9.38	106	105189	4.06	ug/l	98
65) o-Xylene	9.78	106	50868	1.99	ug/l	99
66) Styrene	9.80	104	82702	1.96	ug/l	98
67) Bromoform	9.96	173	12494	2.01	ug/l	100
69) Isopropylbenzene	10.17	105	130134	2.04	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.46	83	25309	1.90	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	19598m	2.00	ug/l	
72) Bromobenzene	10.46	156	32756	1.91	ug/l	100
73) n-propylbenzene	10.59	120	35721	2.00	ug/l	98
74) 2-Chlorotoluene	10.66	126	31979	1.97	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	110871	2.03	ug/l	99
76) 4-Chlorotoluene	10.78	126	32847	1.96	ug/l	99
77) tert-Butylbenzene	11.10	119	103060	1.99	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	111608	1.99	ug/l	98
79) sec-Butylbenzene	11.33	105	146178	2.09	ug/l	100
80) Nitrobenzene	12.87	77	4422	14.69	ug/l #	91
81) p-Isopropyltoluene	11.48	119	119472	2.04	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	65683	1.97	ug/l	100
83) 1,4-Dichlorobenzene	11.51	146	65418	1.95	ug/l	99
84) n-Butylbenzene	11.89	91	115620	2.08	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	58525	1.88	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3597	2.02	ug/l	100
87) 1,2,4-Trichlorobenzene	13.51	180	40695	1.86	ug/l	99
88) Hexachlorobutadiene	13.70	225	25764	2.14	ug/l	99
89) Naphthalene	13.75	128	59480	1.72	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	38833	1.87	ug/l	100

(#) = 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

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MSVOA_U

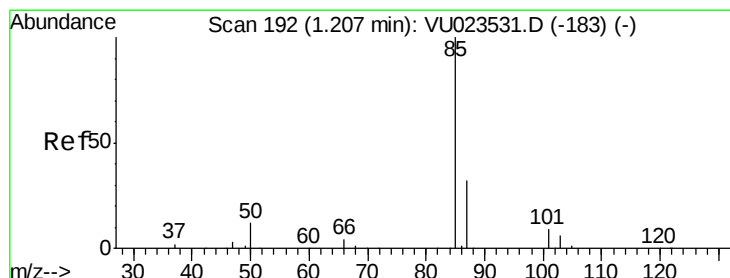
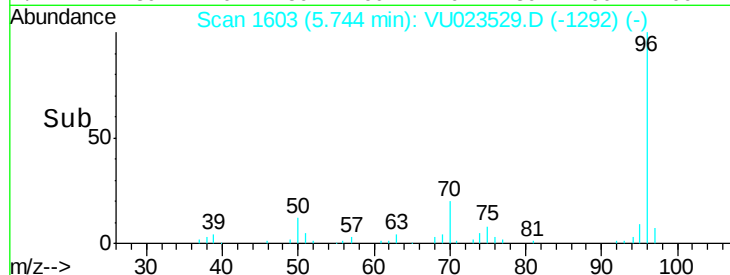
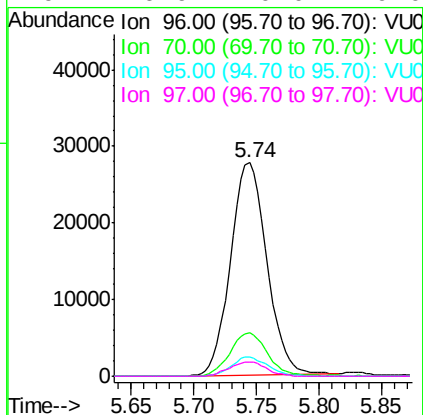
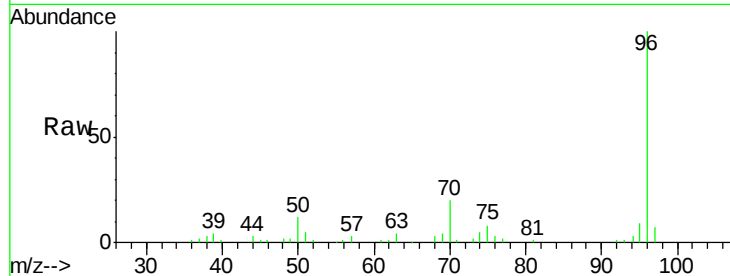
ClientSampleId :

VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	21.2	16.2	24.4	
95	9.1	6.9	10.3	
97	6.9	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 2.19 ug/l

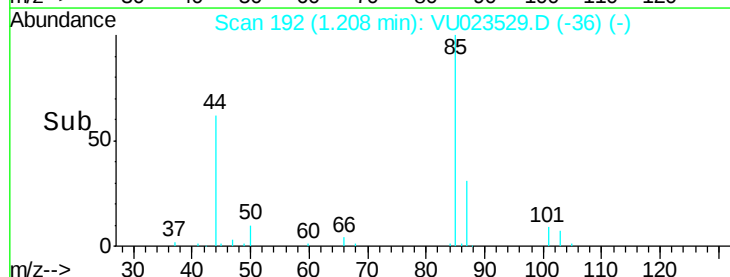
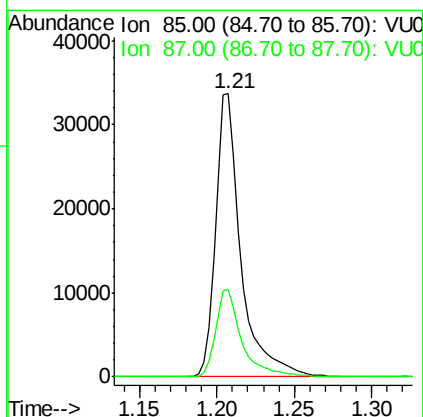
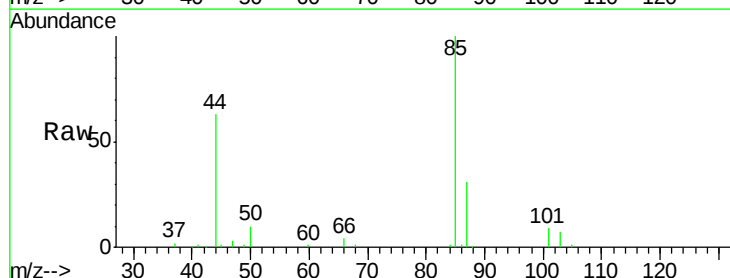
RT: 1.21 min Scan# 192

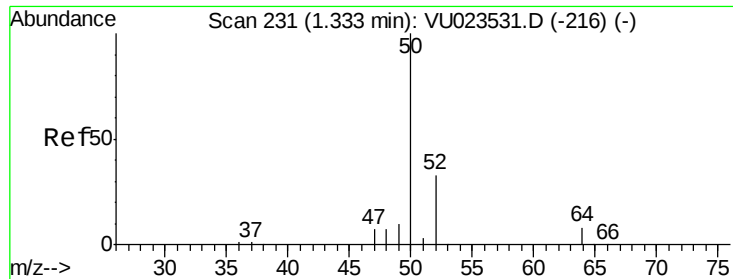
Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	30.8	16.2	48.5	





#3

Chloromethane

Concen: 1.98 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 50 Resp: 44235

Ion Ratio Lower Upper

50 100

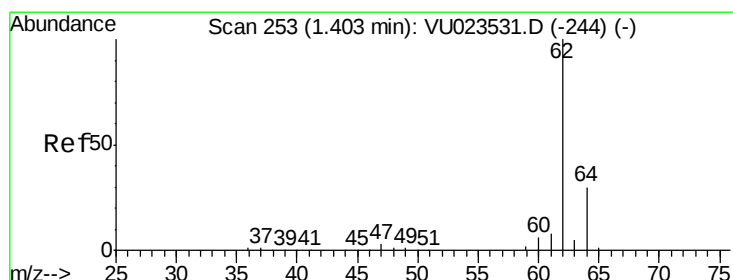
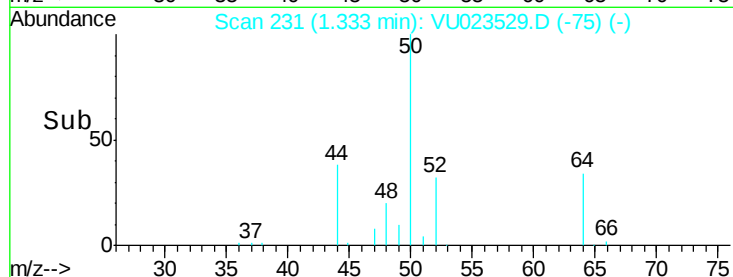
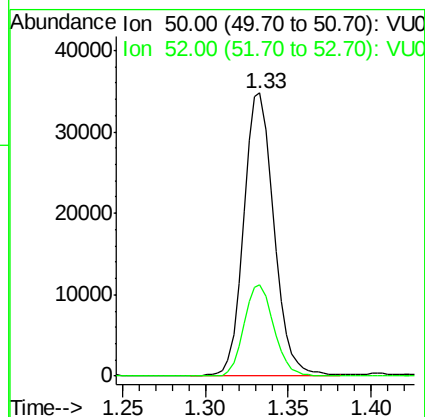
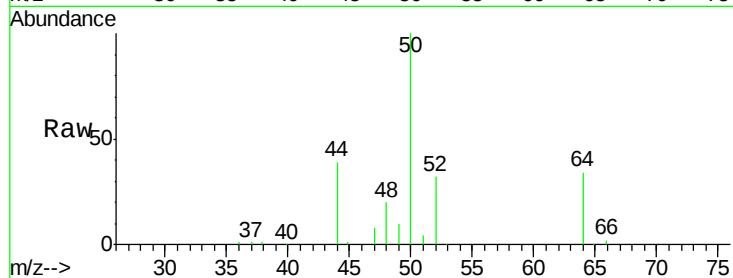
52 32.2 26.0 39.0

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#4

Vinyl Chloride

Concen: 2.09 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023529.D

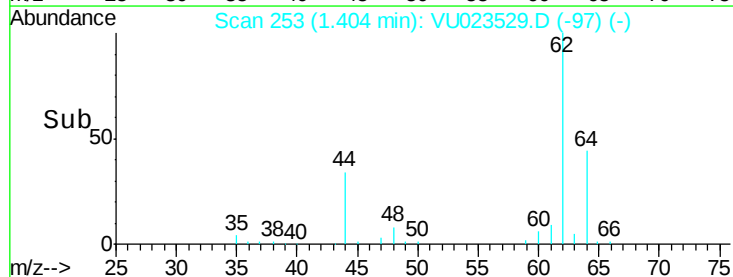
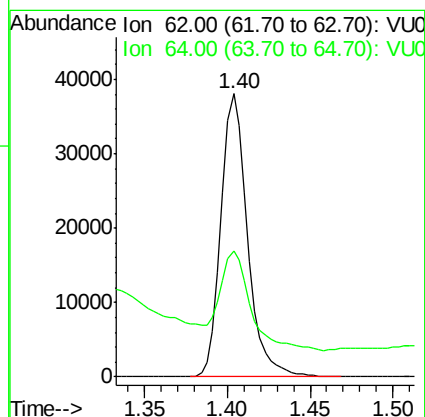
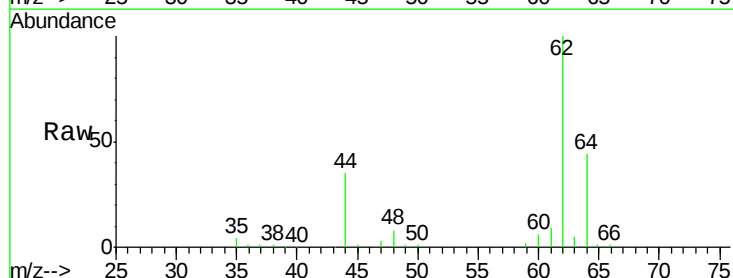
Acq: 30 Apr 2018 15:53

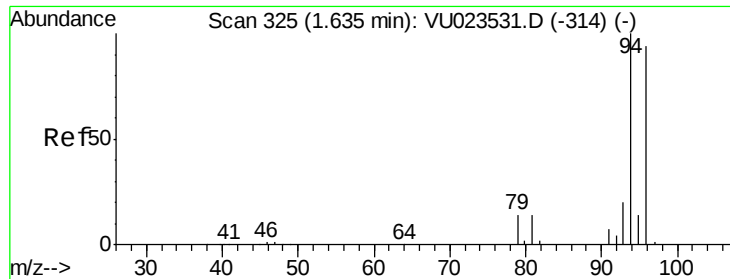
Tgt Ion: 62 Resp: 42375

Ion Ratio Lower Upper

62 100

64 34.5 25.8 38.8





#5

Bromomethane

Concen: 1.71 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 94 Resp: 22598

Ion Ratio Lower Upper

94 100

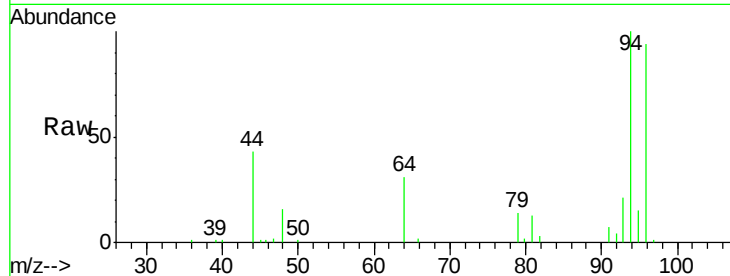
96 94.5 75.1 112.7

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.64

20000

15000

10000

5000

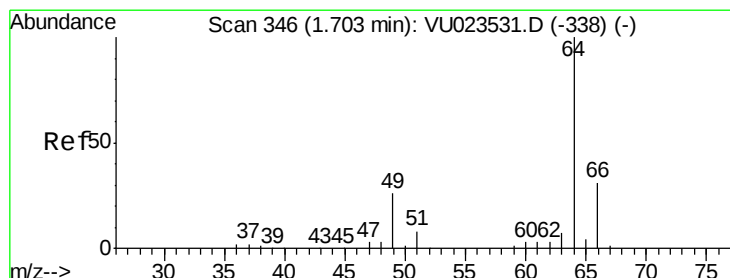
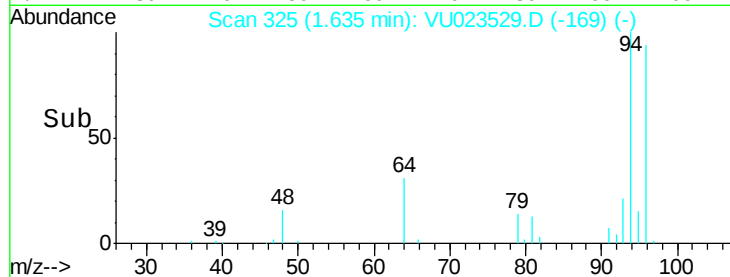
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Time-->

1.60

1.65

1.70



#6

Chloroethane

Concen: 2.12 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023529.D

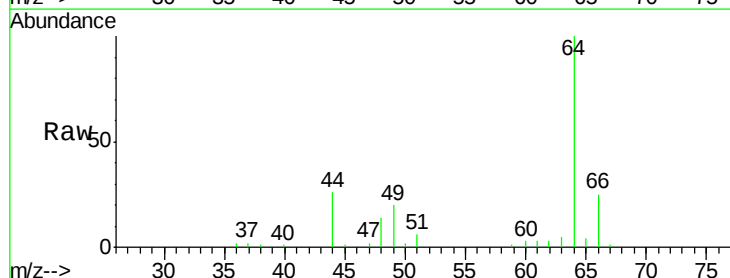
Acq: 30 Apr 2018 15:53

Tgt Ion: 64 Resp: 24584

Ion Ratio Lower Upper

64 100

66 30.6 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.70

25000

20000

15000

10000

5000

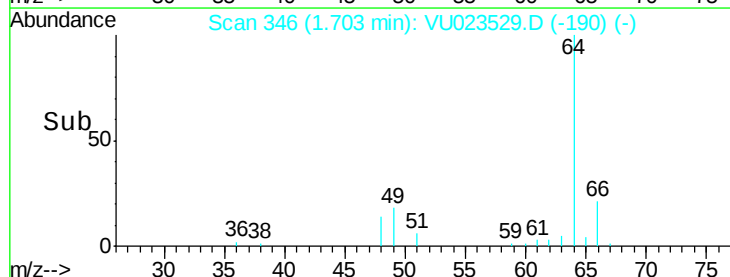
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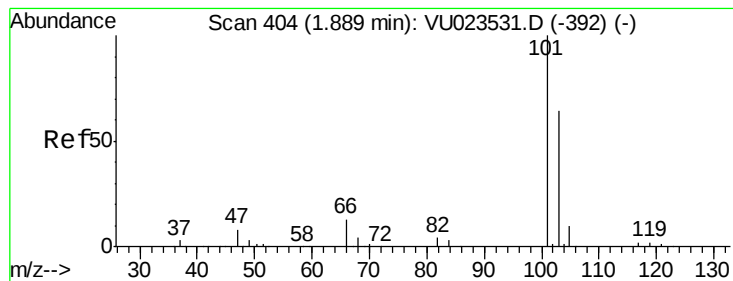
Time-->

1.65

1.70

1.75





#7

Trichlorofluoromethane

Concen: 2.16 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tot Ion:101 Resp: 49393

Ion Ratio Lower Upper

101 100

103 66.7 51.4 77.0

Instrument :

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ClientSampleId :

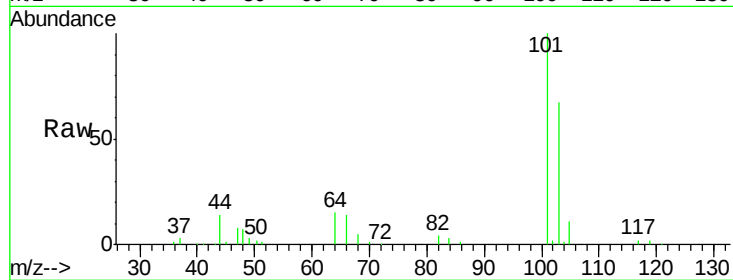
VSTDIC002

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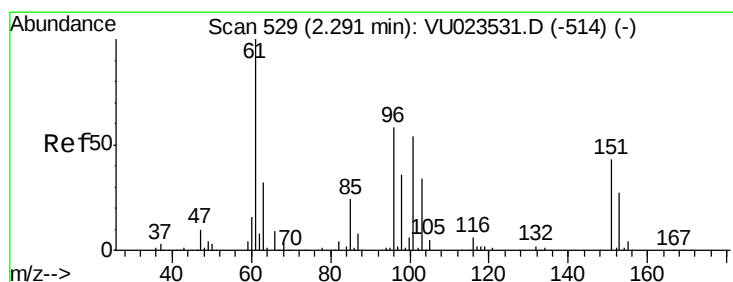
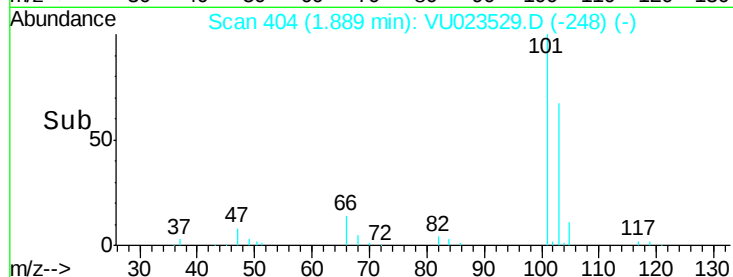
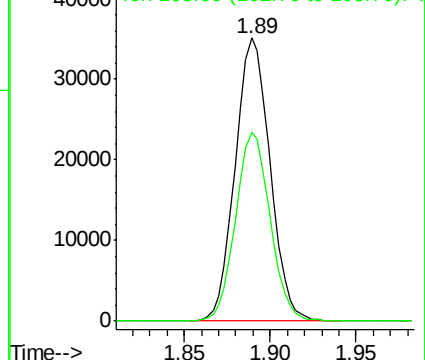
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 2.19 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

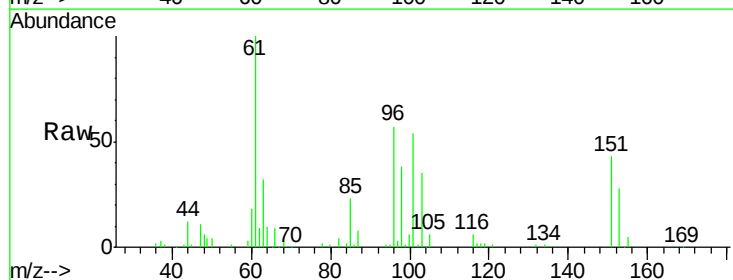
Tgt Ion:101 Resp: 29943

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

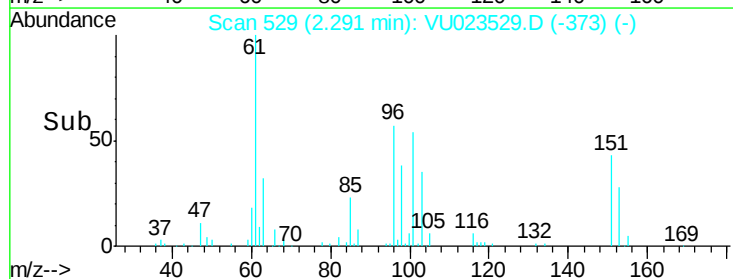
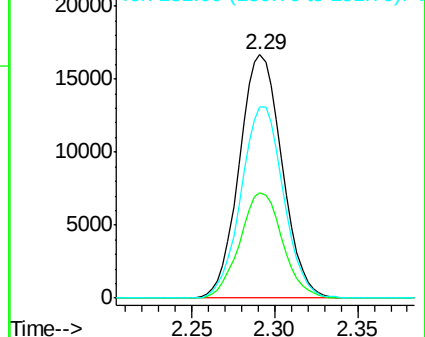
151 78.0 63.5 95.3

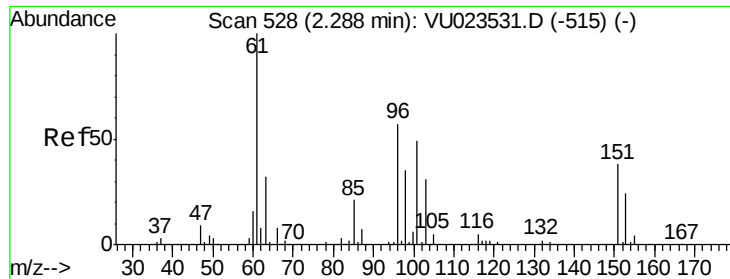


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





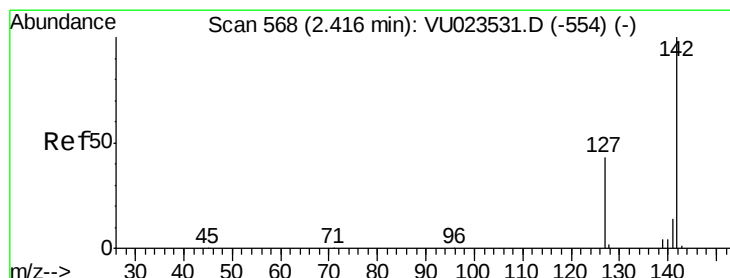
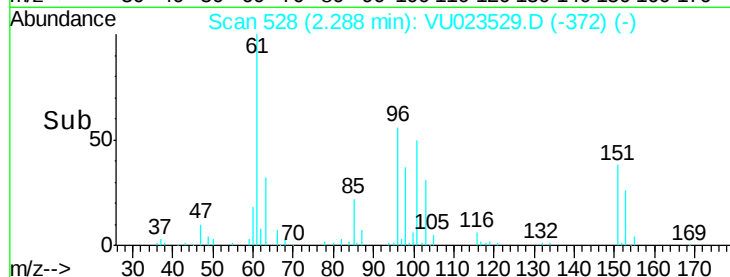
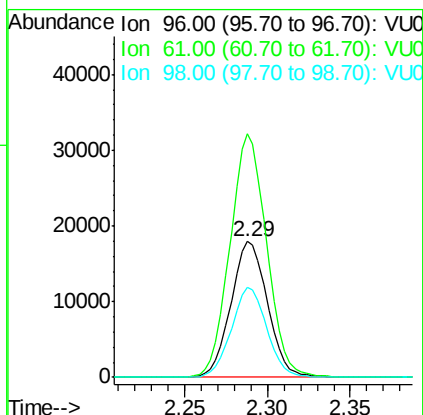
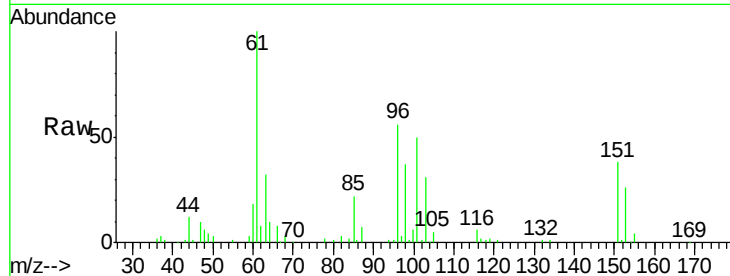
#9
1,1-Dichloroethene
Concen: 2.01 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.5	0.0	526.5
98	66.1	0.0	123.4

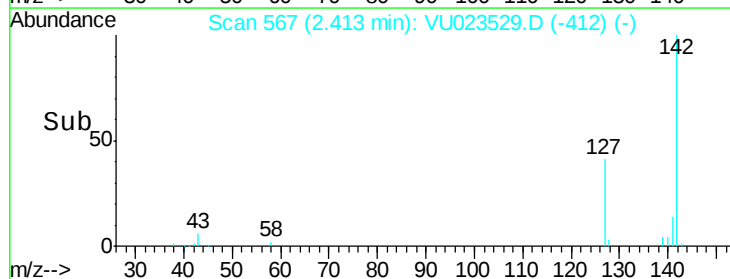
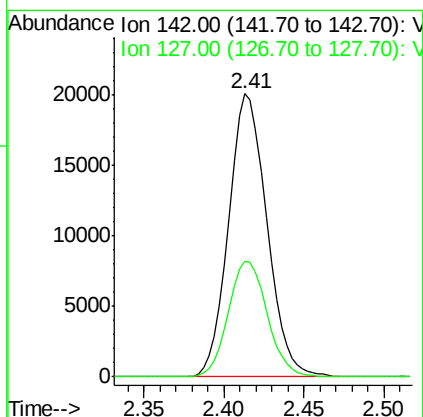
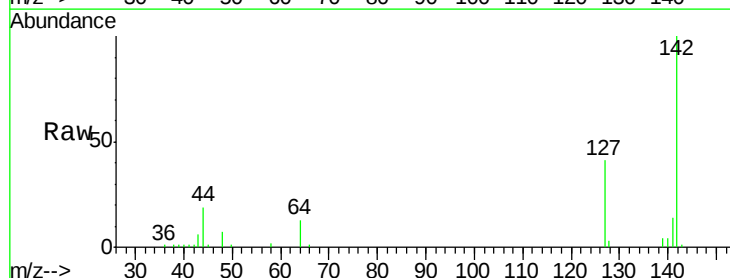
Manual Integrations
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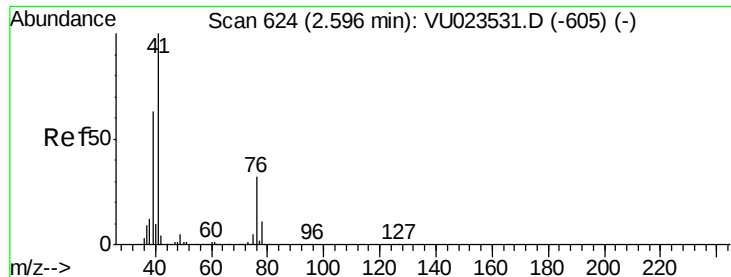
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#10
Iodomethane
Concen: 2.14 ug/l
RT: 2.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.4	34.5	51.7





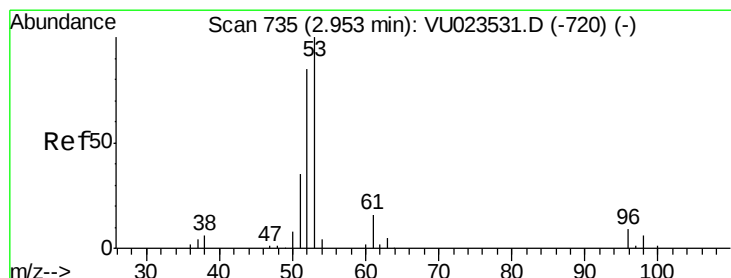
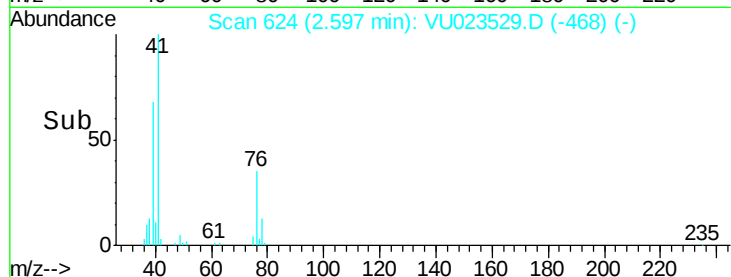
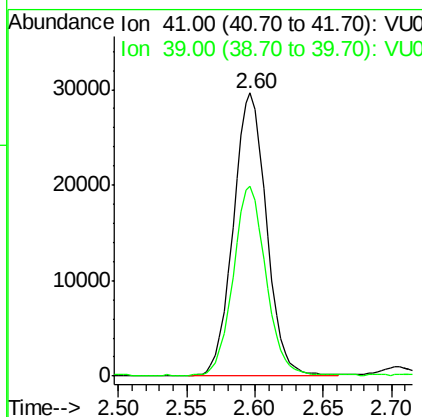
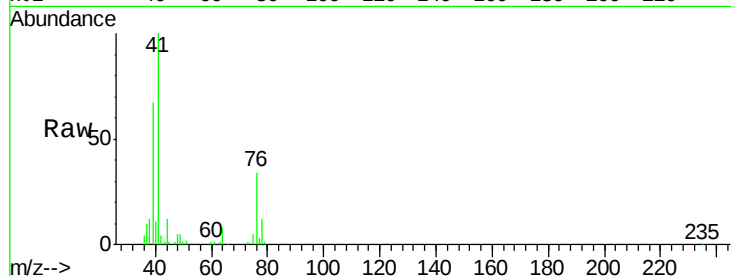
#11
Allvl Chloride
Concen: 2.30 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.3	51.4	77.2

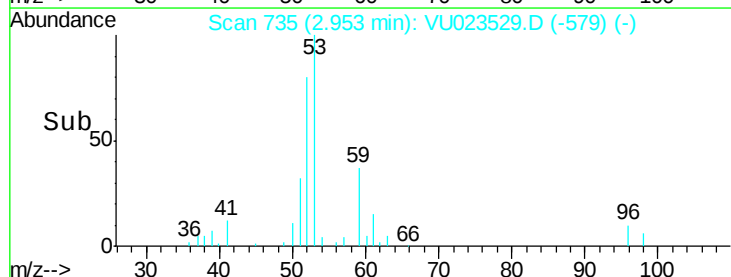
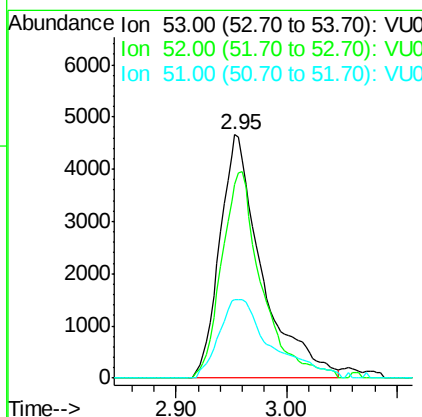
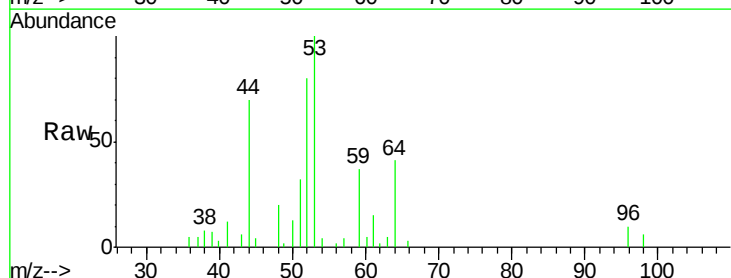
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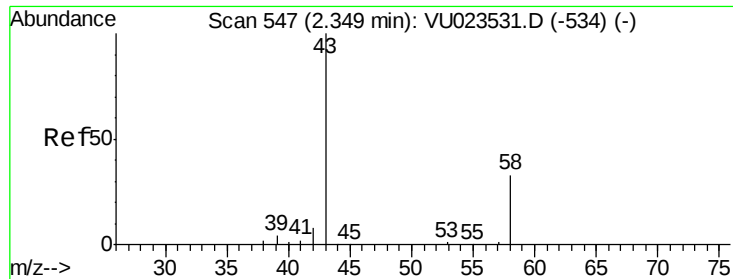
apatel
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#12
Acrylonitrile
Concen: 3.98 ug/l
RT: 2.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.1	97.7
51	39.8	30.2	45.4





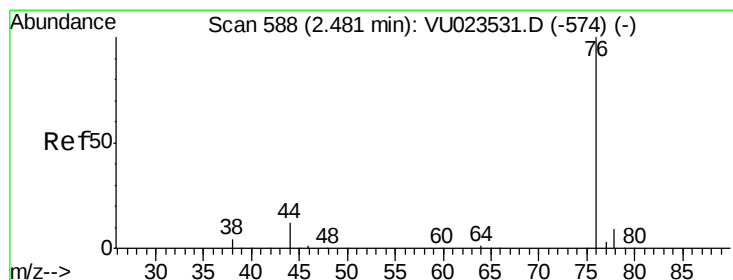
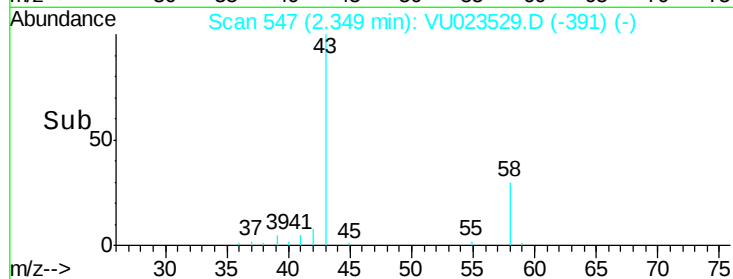
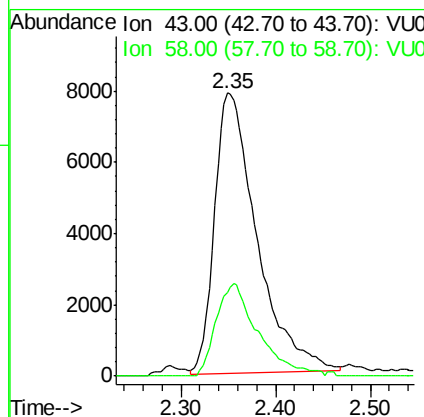
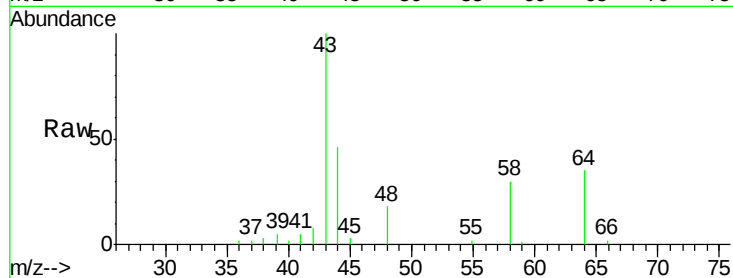
#13
Acetone
Concen: 9.90 ug/l
RT: 2.35 min Scan# 547
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 24448
Ion Ratio Lower Upper
43 100
58 30.4 26.0 39.0

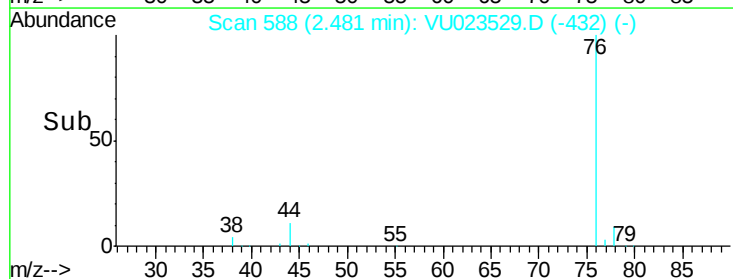
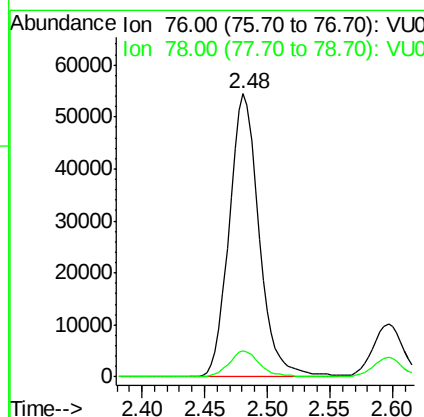
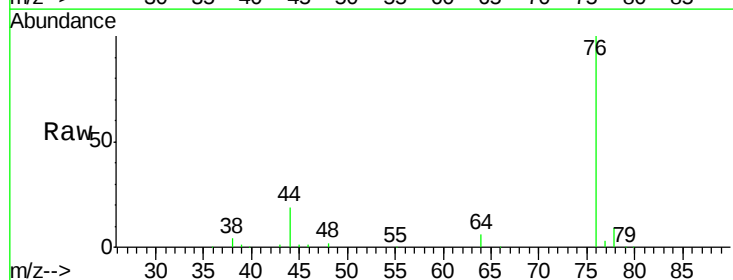
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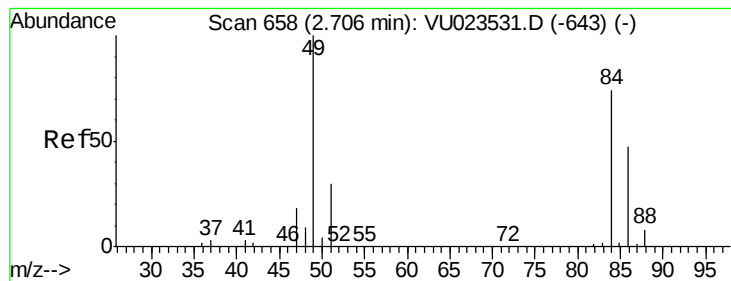
apatel
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#14
Carbon Disulfide
Concen: 2.10 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 76 Resp: 90108
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





#15

Methylene Chloride

Concen: 1.82 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 84 Resp: 30135

Ion Ratio Lower Upper

84 100

49 134.0 108.7 163.1

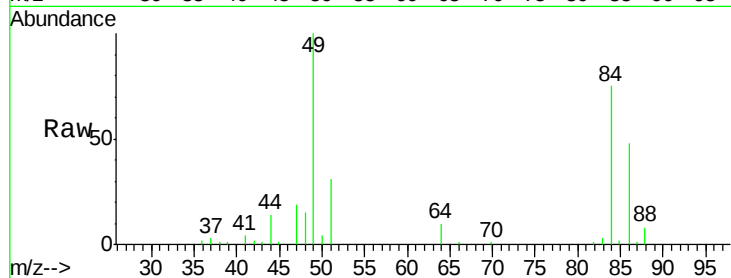
51 41.0 0.0 82.4

86 64.2 50.7 76.1

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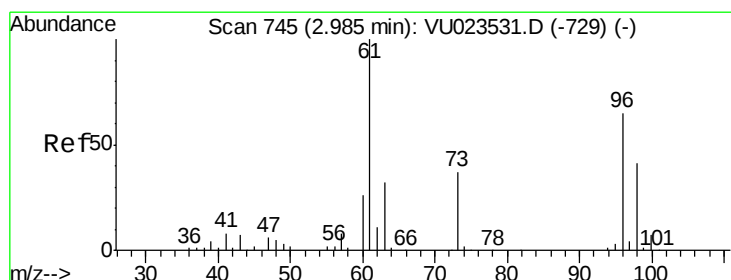
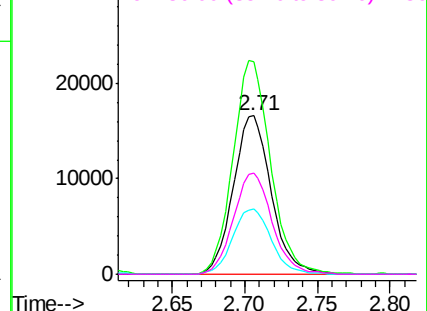
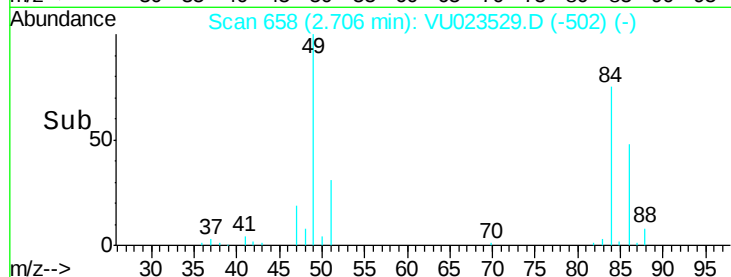


Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 2.02 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

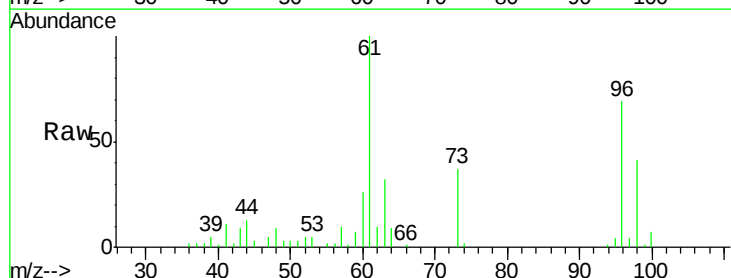
Tgt Ion: 96 Resp: 29896

Ion Ratio Lower Upper

96 100

61 145.8 123.9 185.9

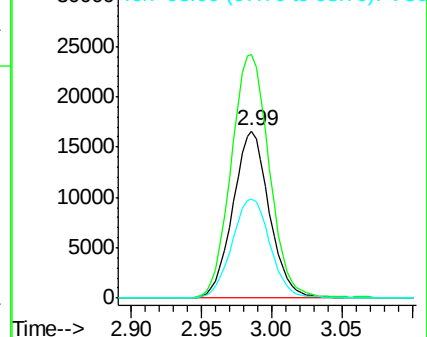
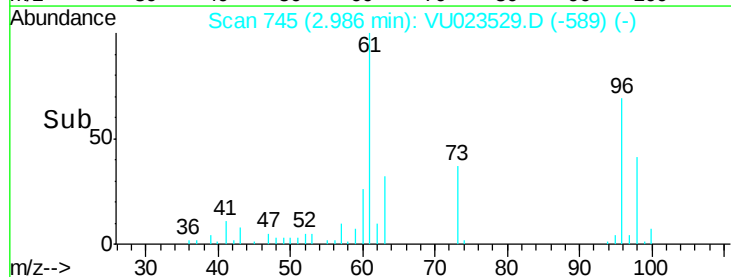
98 59.6 50.6 76.0

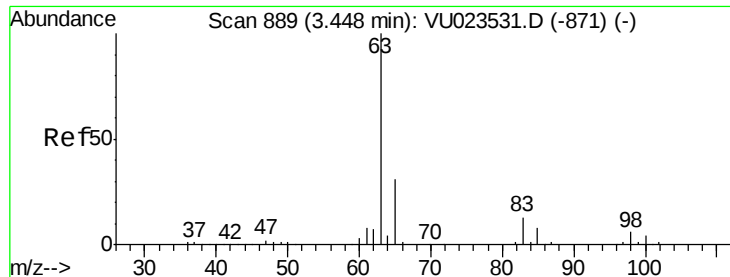


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 2.13 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

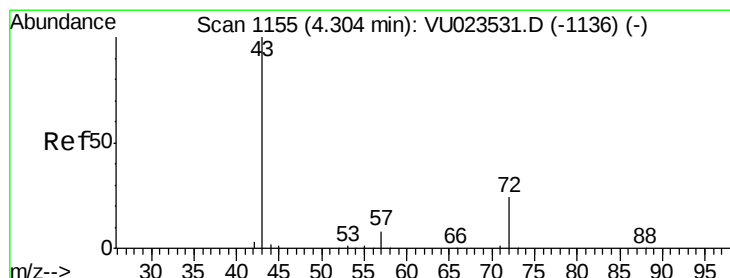
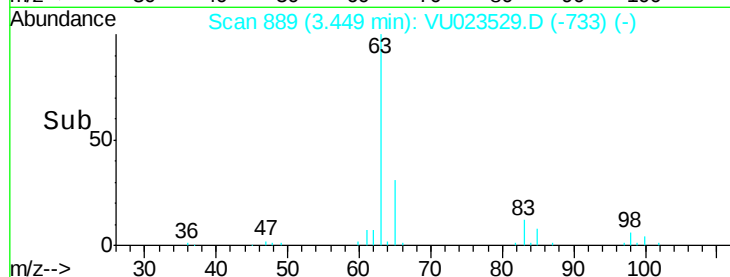
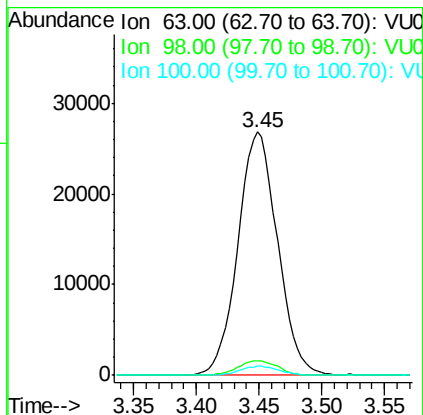
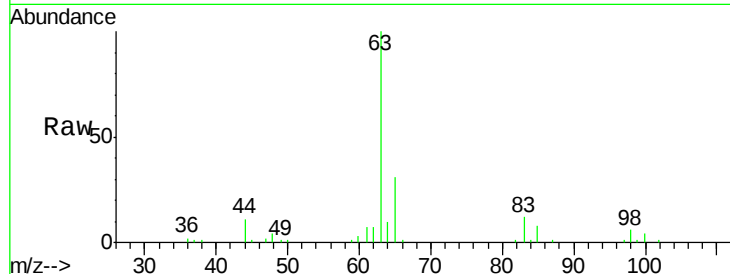
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	58847
Ion Ratio	Lower	Upper	
63	100		
98	6.0	2.9	8.8
100	3.7	2.0	5.8

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#18

2-Butanone

Concen: 10.24 ug/l

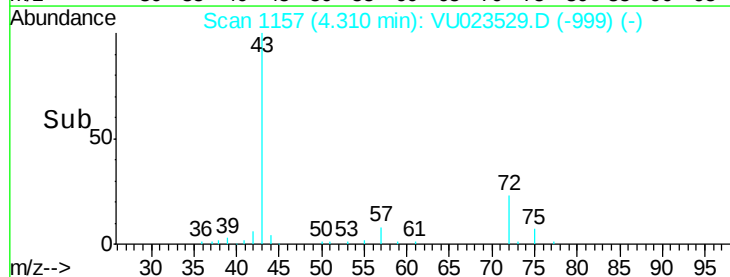
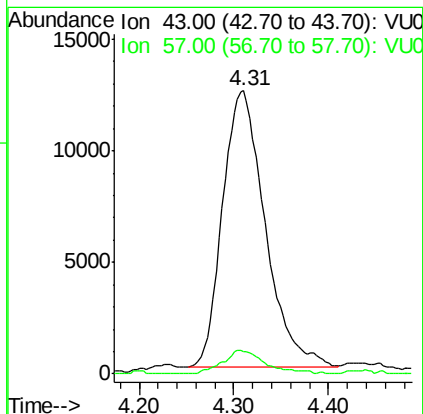
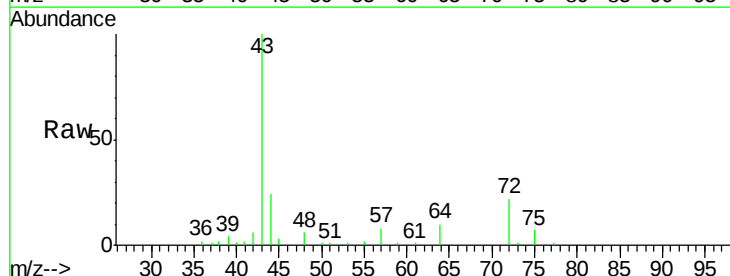
RT: 4.31 min Scan# 1157

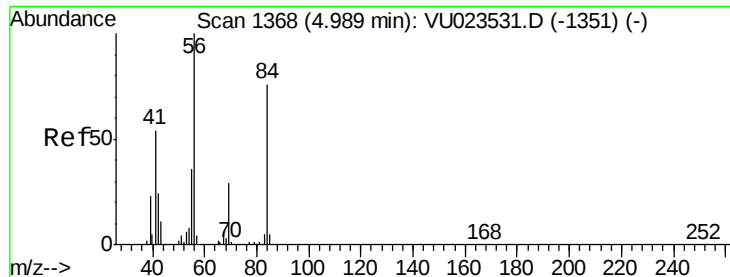
Delta R.T. 0.01 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion:	43	Resp:	38664
Ion Ratio	Lower	Upper	
43	100		
57	8.2	0.0	15.8





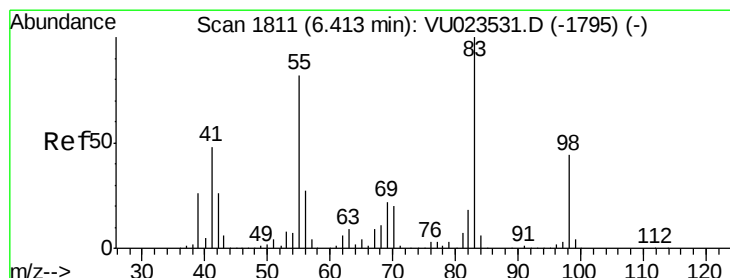
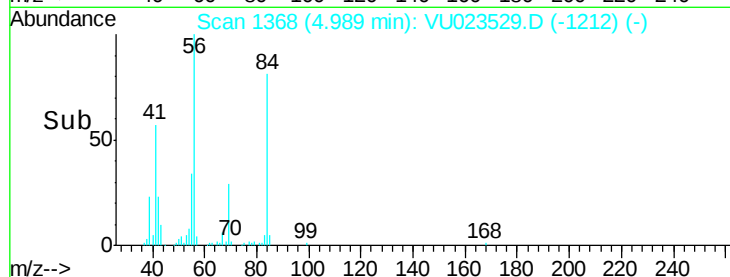
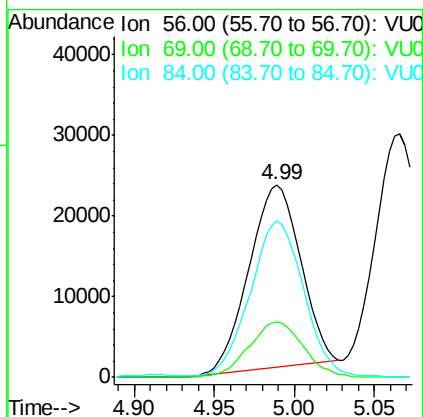
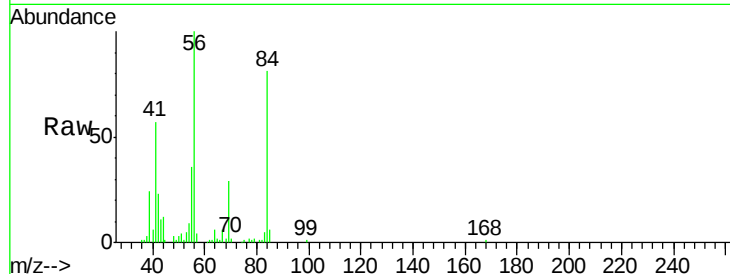
#19
Cyclohexane
Concen: 2.54 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.0	39.0
84	86.9	68.3	102.5

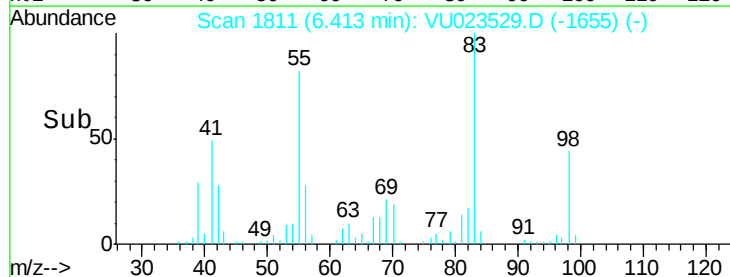
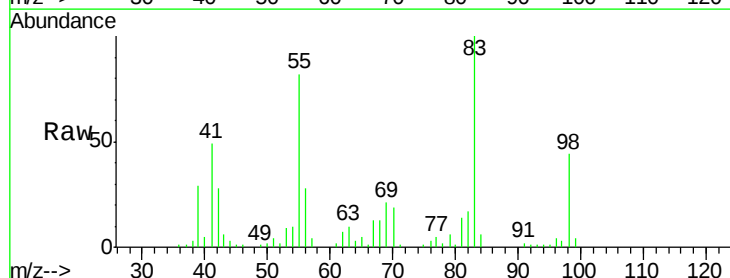
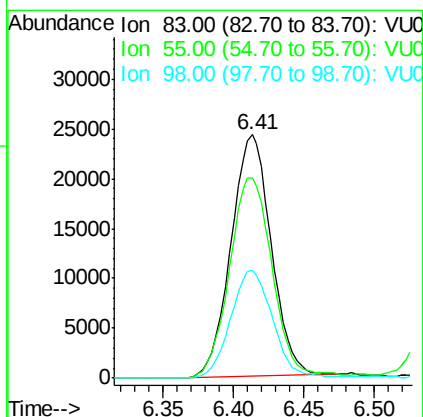
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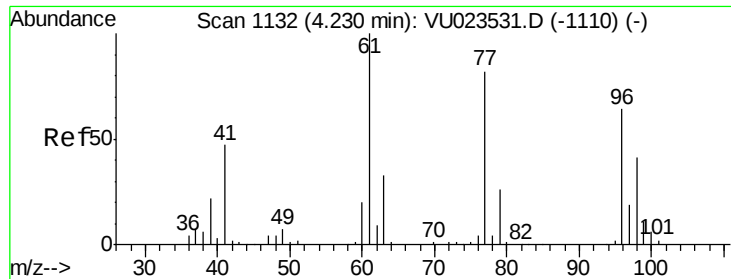
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#20
Methylcyclohexane
Concen: 2.10 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.9	66.4	99.6
98	45.4	35.4	53.2





#21

2,2-Dichloropropane

Concen: 2.28 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 77 Resp: 46121

Ion Ratio Lower Upper

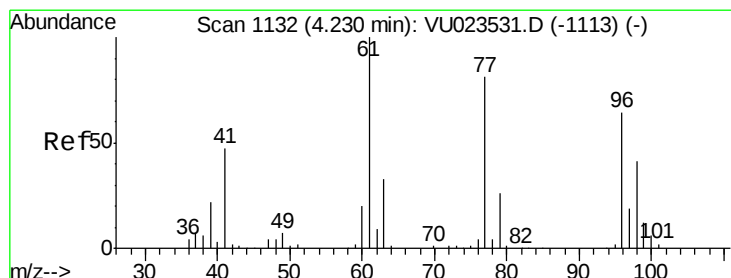
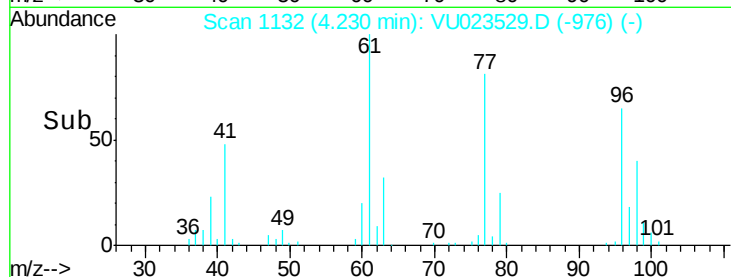
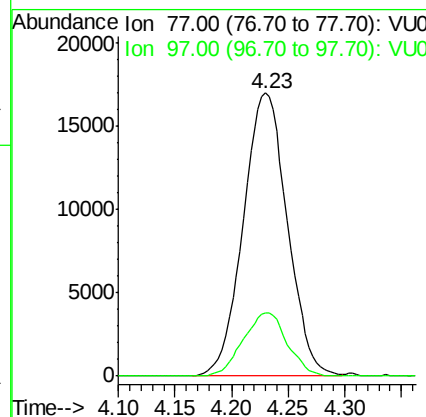
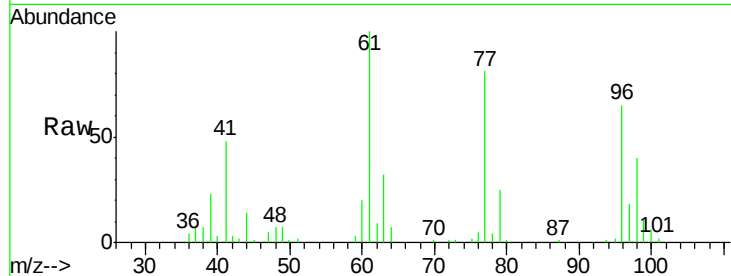
77 100

97 22.3 17.9 26.9

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#22

cis-1,2-Dichloroethene

Concen: 1.98 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

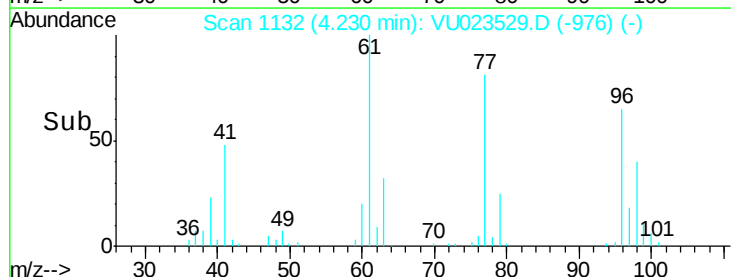
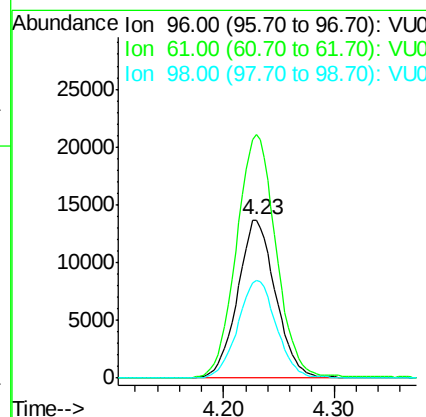
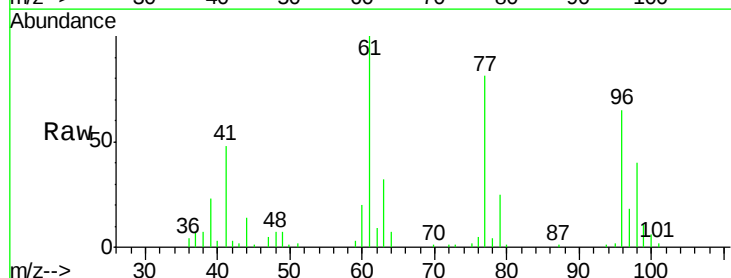
Tgt Ion: 96 Resp: 32620

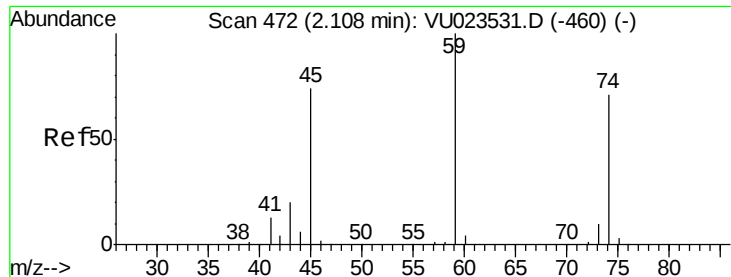
Ion Ratio Lower Upper

96 100

61 159.8 0.0 400.5

98 62.5 32.2 96.6





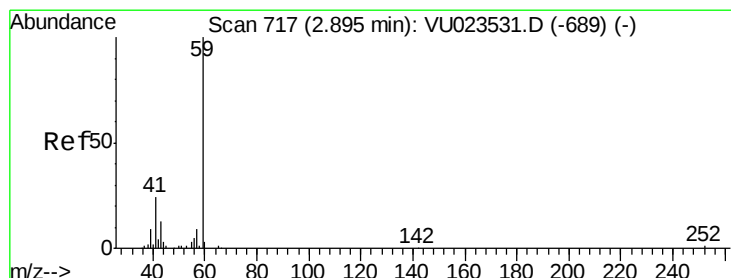
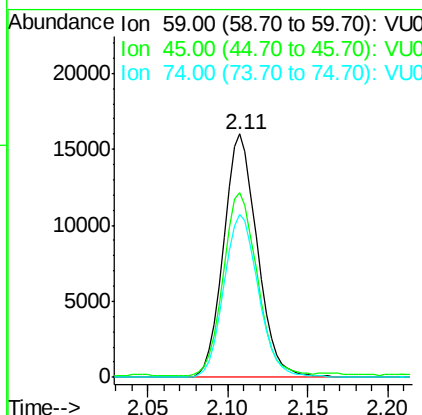
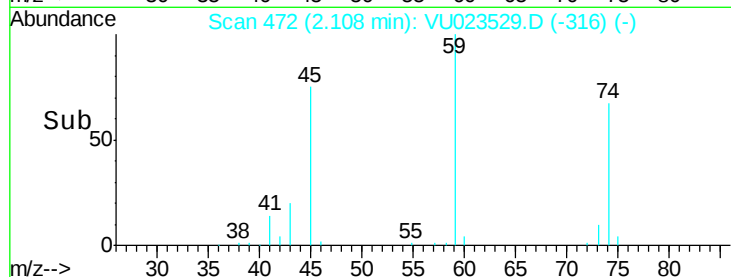
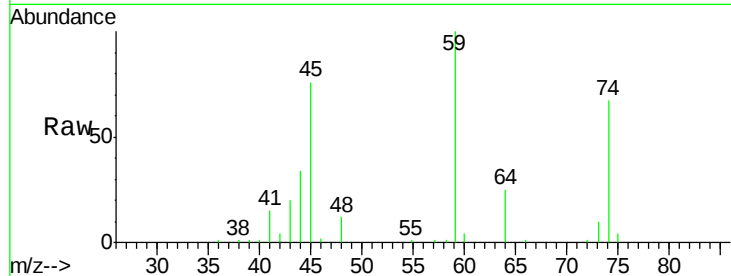
#23
Diethyl Ether
Concen: 2.06 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:	59	Resp:	23053
Ion	Ratio	Lower	Upper
59	100		
45	75.4	60.0	90.0
74	68.7	56.5	84.7

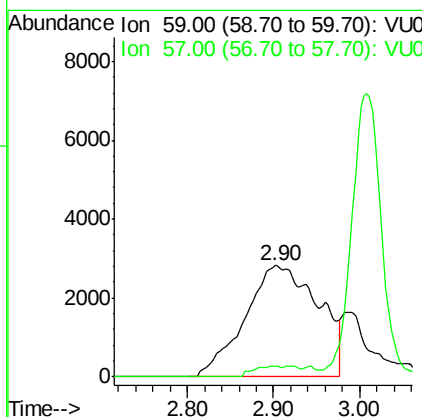
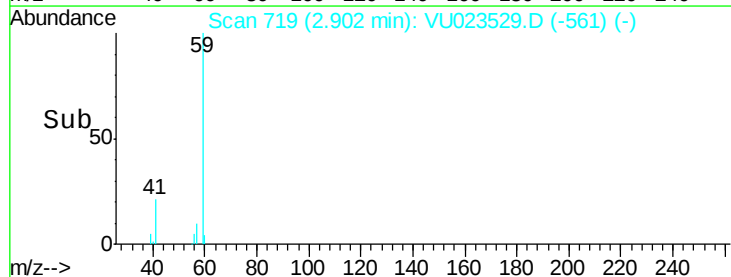
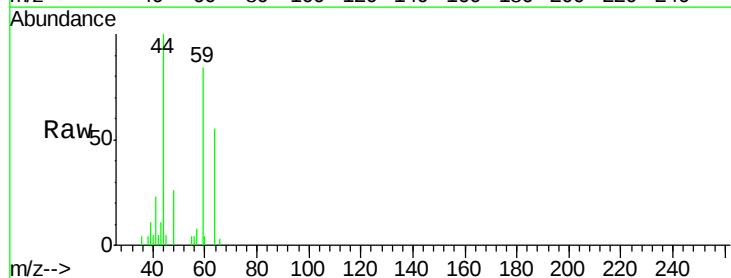
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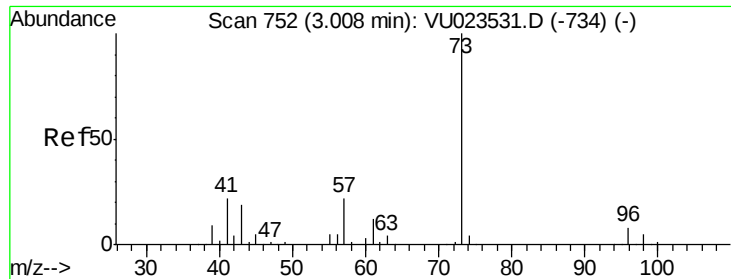
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#24
tert-Butyl Alcohol
Concen: 15.37 ug/l m
RT: 2.90 min Scan# 719
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion:	59	Resp:	16714
Ion	Ratio	Lower	Upper
59	100		
57	3.9	3.4	5.2





#25

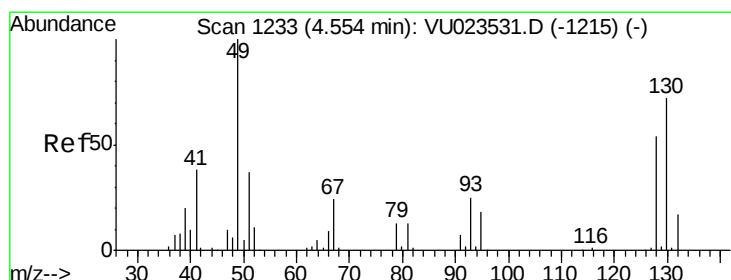
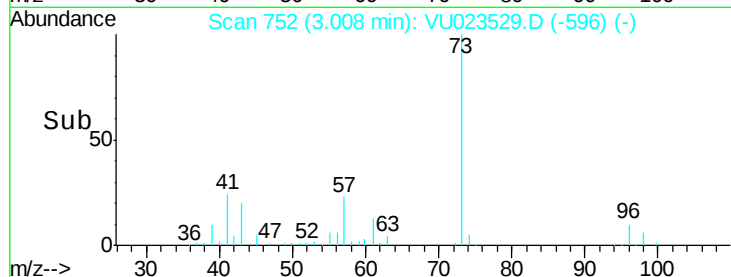
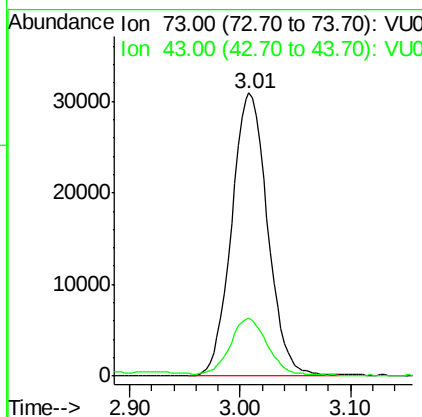
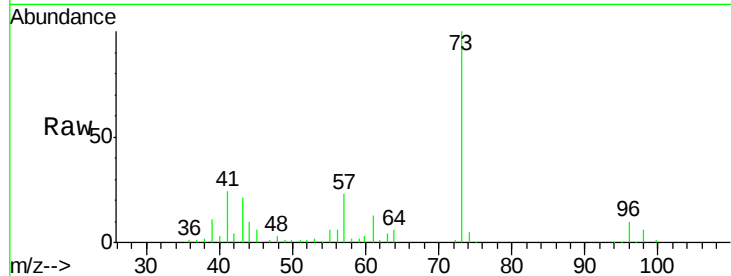
Methvl tert-Butvl Ether
 Concen: 2.02 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.2	24.2

Manual Integrations
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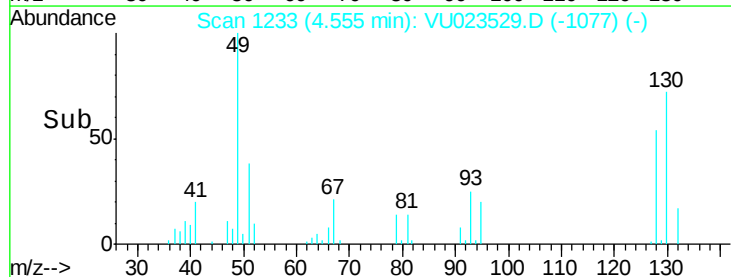
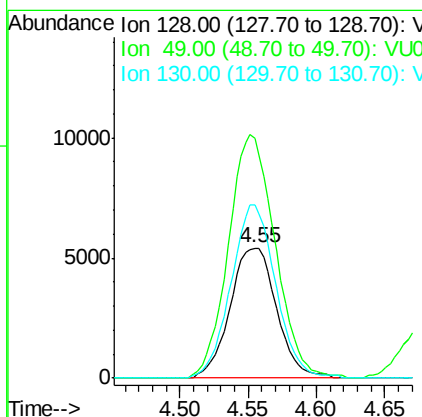
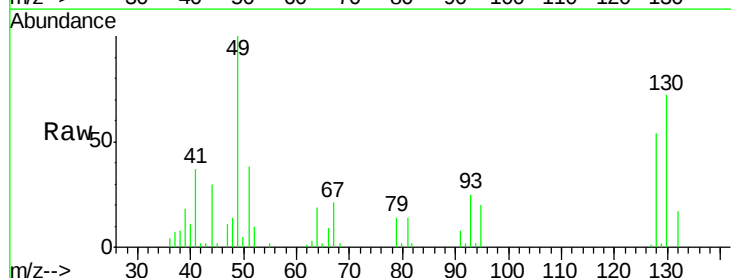
apatel
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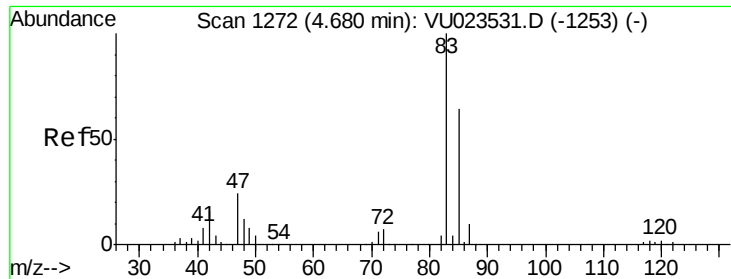


#26

Bromochloromethane
 Concen: 1.78 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
128	100		
49	187.7	0.0	375.2
130	128.0	105.8	158.6





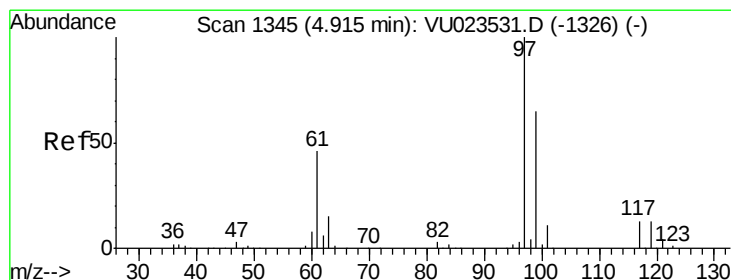
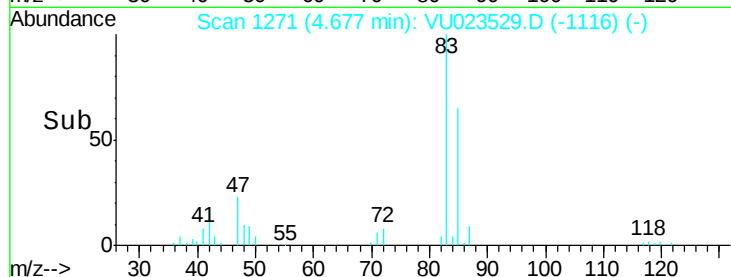
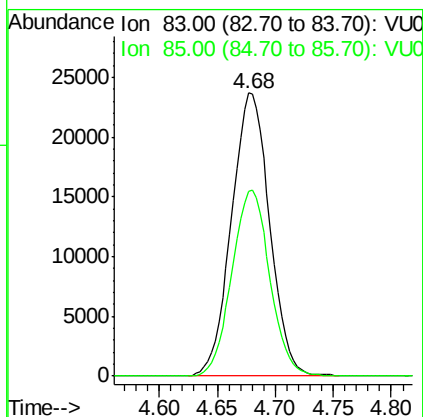
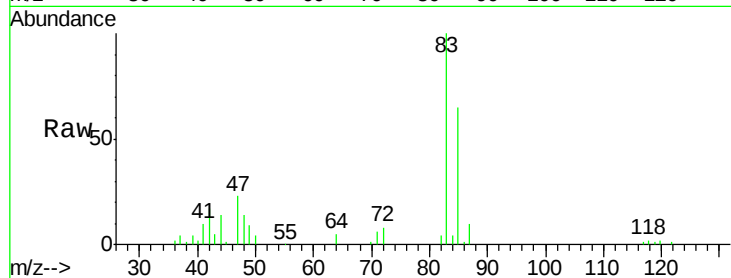
#27
Chloroform
Concen: 1.97 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	83	Resp	54175
Ion Ratio	100	Lower	Upper
83	100		
85	65.1	0.0	128.4

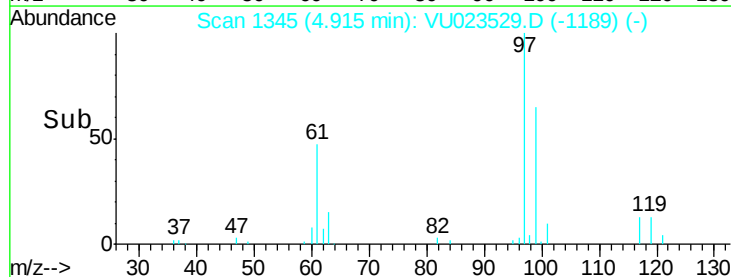
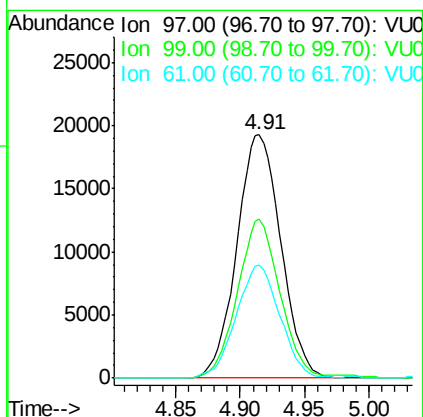
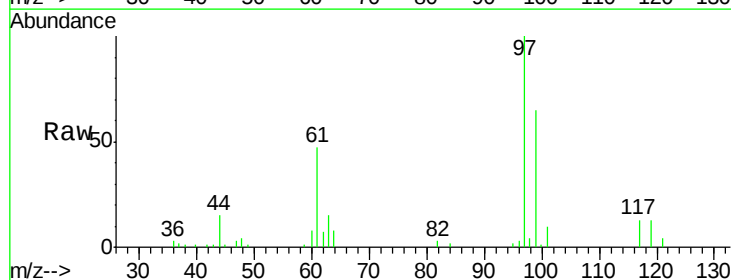
Manual Integrations
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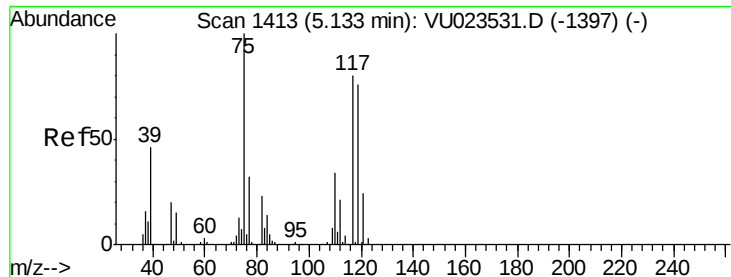
apatel
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#28
1,1,1-Trichloroethane
Concen: 2.16 ug/l
RT: 4.91 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	97	Resp	45868
Ion Ratio	100	Lower	Upper
97	100		
99	62.8	32.3	96.9
61	46.2	23.2	69.5





#29

1,1-Dichloropropene

Concen: 2.09 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 43728

Ion Ratio Lower Upper

75 100

110 34.8 16.9 50.7

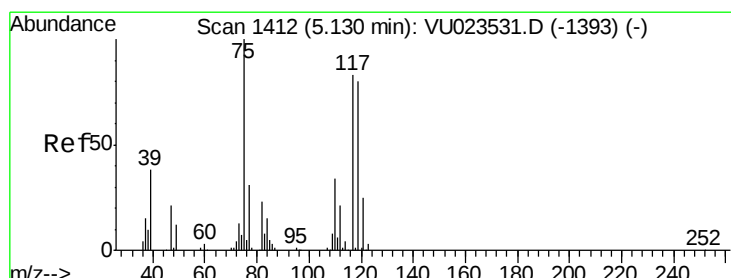
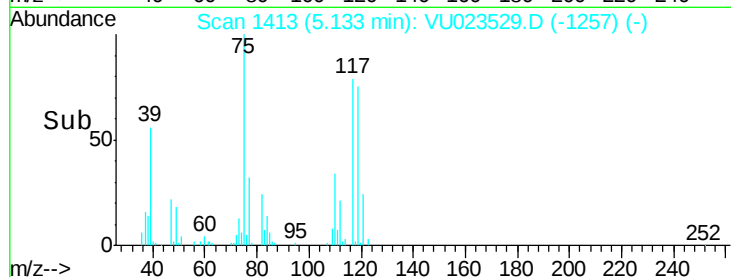
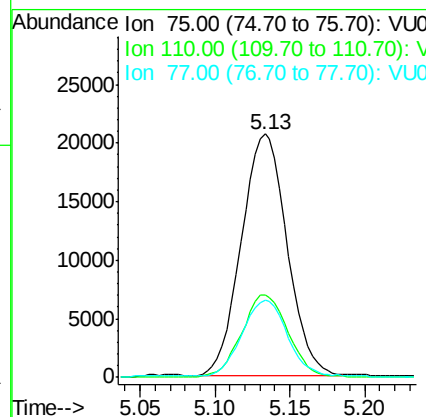
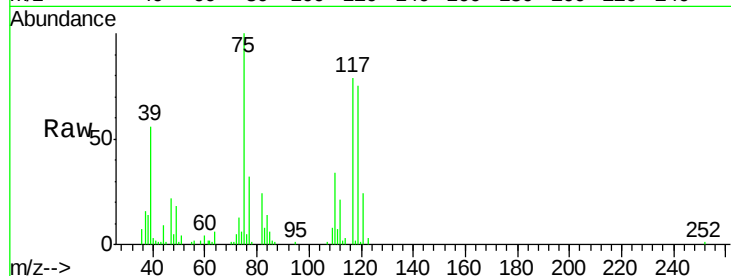
77 31.0 24.8 37.2

Manual Integrations

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#30

Carbon Tetrachloride

Concen: 2.15 ug/l

RT: 5.13 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

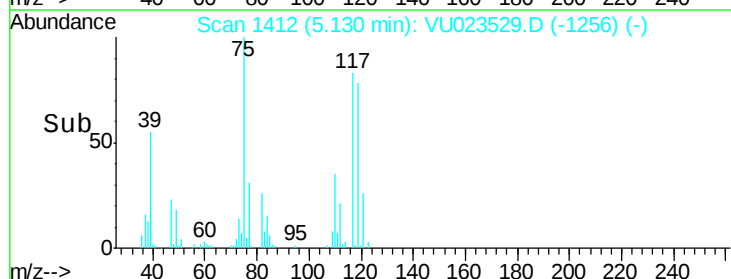
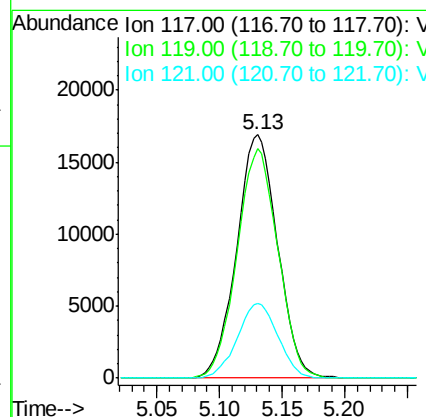
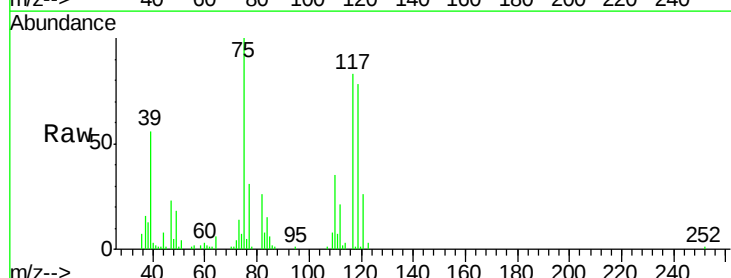
Tgt Ion: 117 Resp: 38265

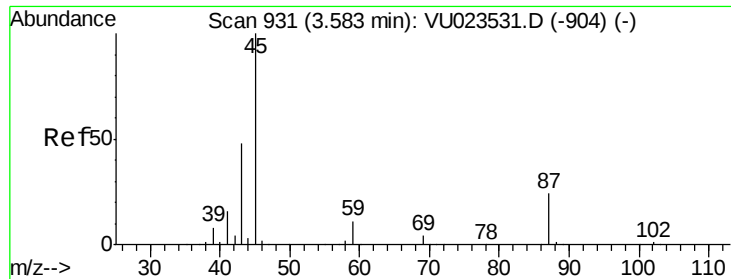
Ion Ratio Lower Upper

117 100

119 94.4 77.3 115.9

121 30.8 24.5 36.7





#31

Isopropyl Ether

Concen: 2.36 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 99488

Ion Ratio Lower Upper

45 100

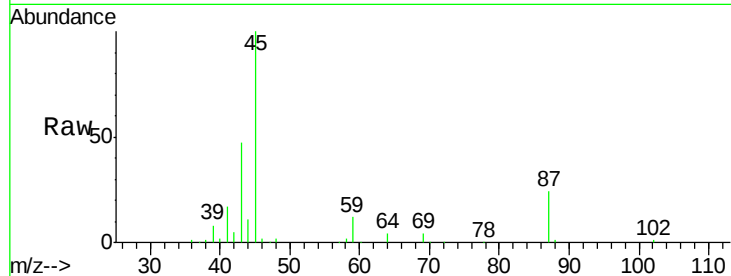
43 46.1 24.0 72.0

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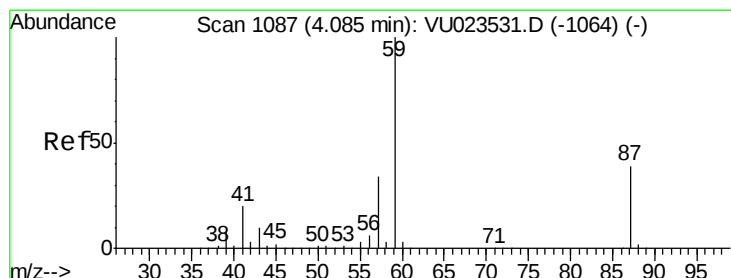
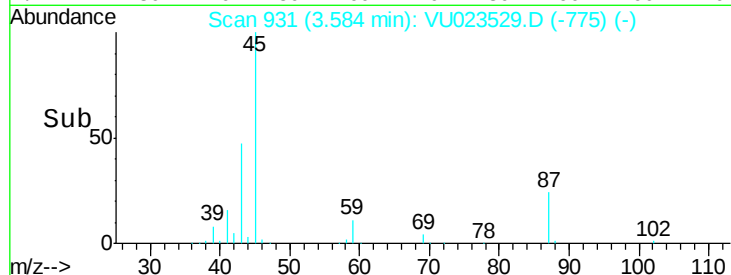
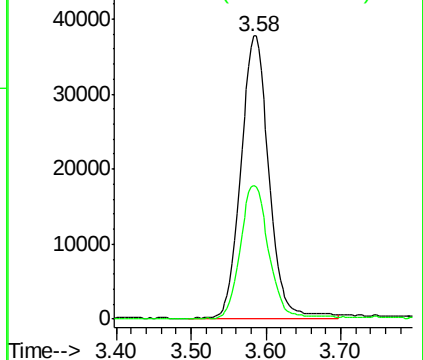
apatel

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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: 2.19 ug/l

RT: 4.09 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VU023529.D

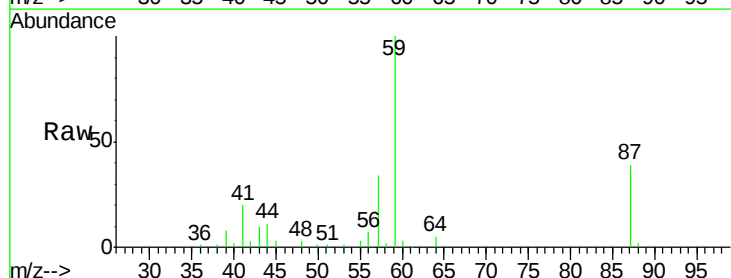
Acq: 30 Apr 2018 15:53

Tgt Ion: 59 Resp: 83471

Ion Ratio Lower Upper

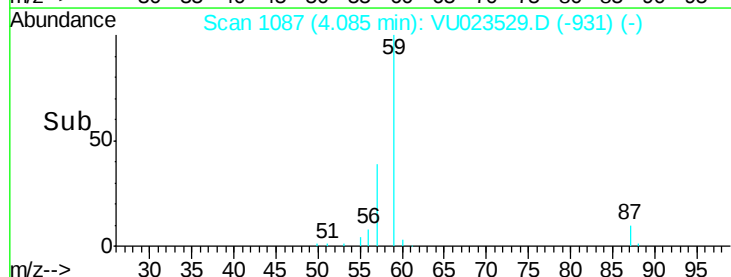
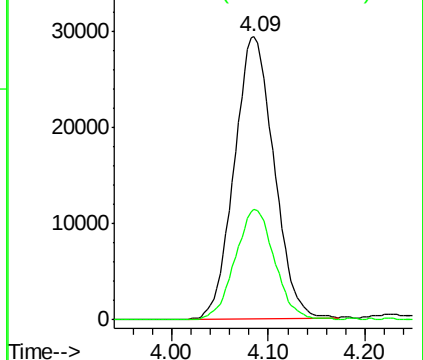
59 100

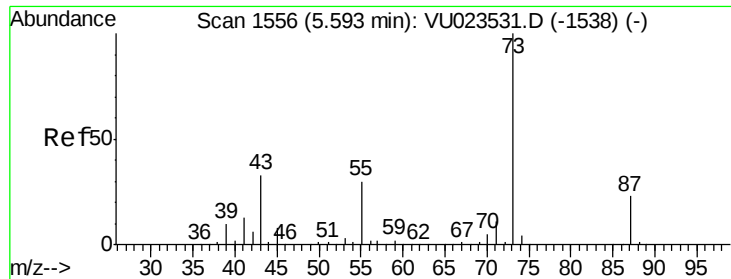
87 38.2 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





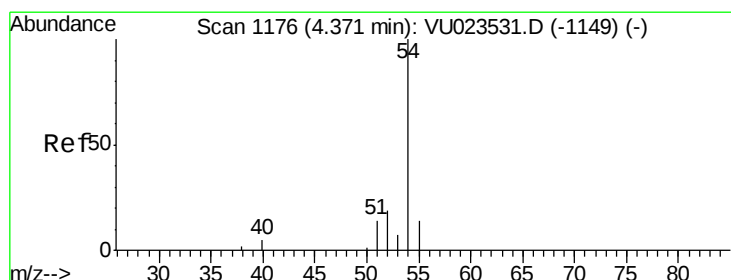
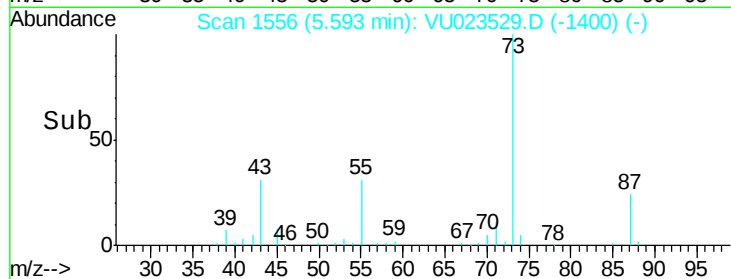
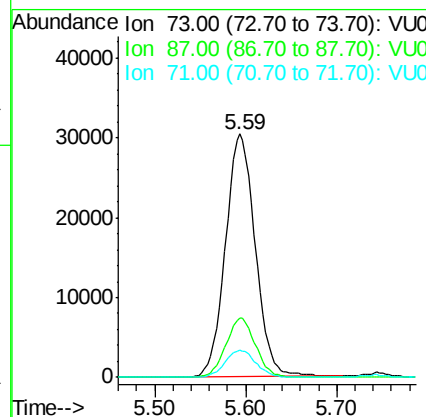
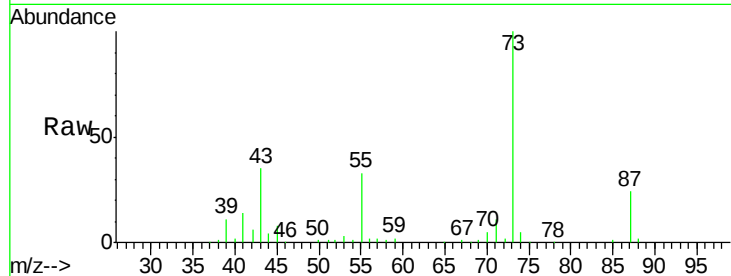
#33
Tert-Butyl methyl ether
Concen: 2.10 ug/l
RT: 5.59 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.4	18.6	28.0
71	11.5	9.3	13.9

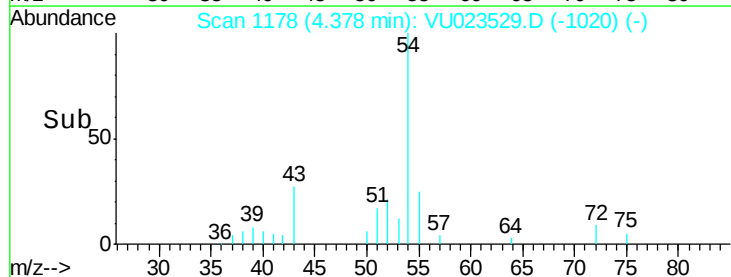
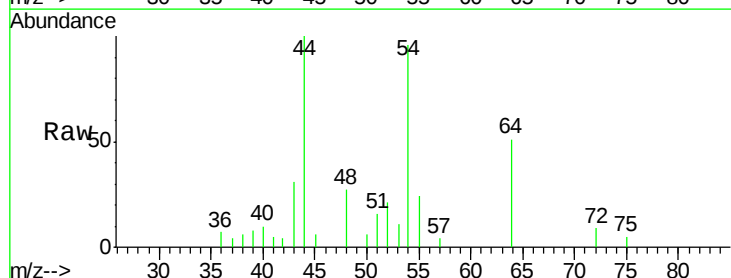
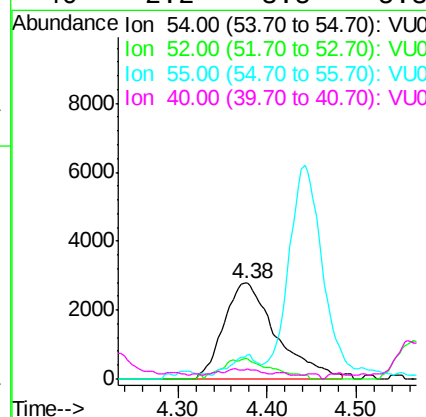
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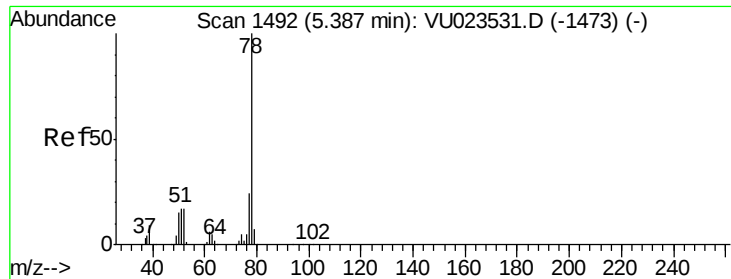
apatel
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#34
Propionitrile
Concen: 9.95 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.4	13.7	20.5
55	9.8	10.2	15.2#
40	2.2	3.5	5.3#





#35

Benzene

Concen: 2.08 ug/l

RT: 5.39 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 78 Resp: 131446

Ion Ratio Lower Upper

78 100

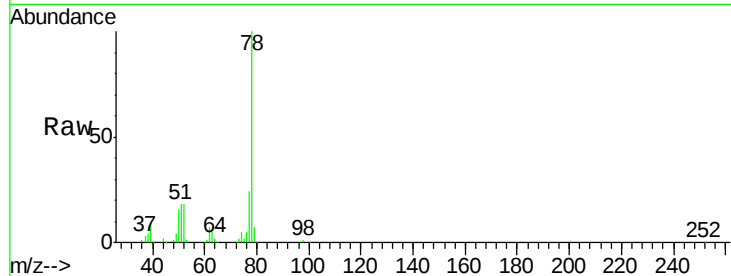
77 23.9 19.1 28.7

Manual Integrations

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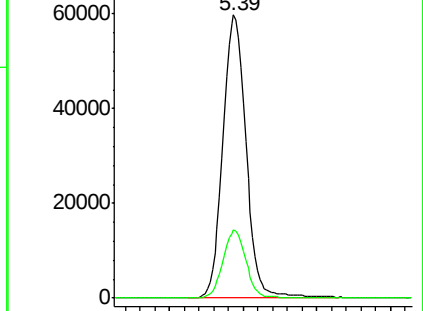
apatel

5/3/2018 4:39:08 PM

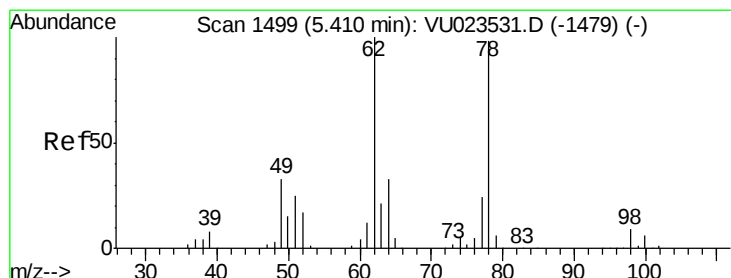
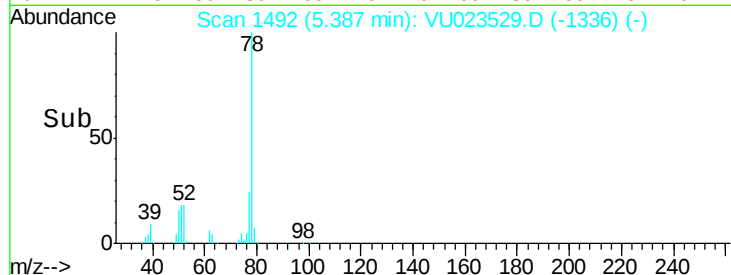


Abundance Ion 78.10 (77.80 to 78.80): VU023529.D (-1336) (-)

Ion 77.00 (76.70 to 77.70): VU023529.D (-1336) (-)



Time-->



#36

1,2-Dichloroethane

Concen: 2.18 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU023529.D

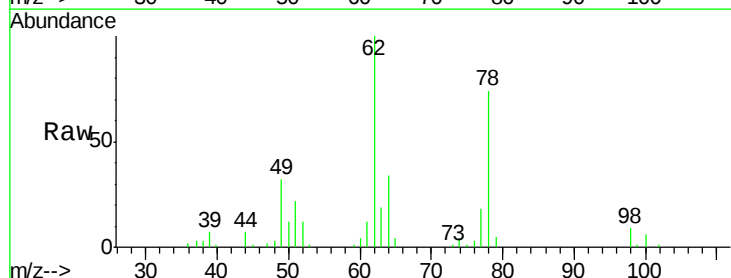
Acq: 30 Apr 2018 15:53

Tgt Ion: 62 Resp: 36485

Ion Ratio Lower Upper

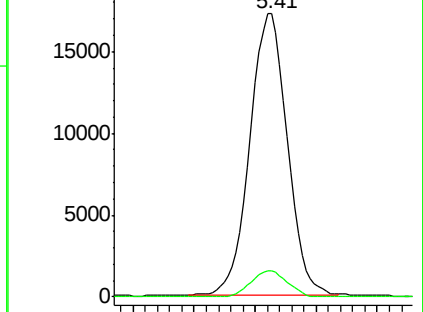
62 100

98 9.0 7.2 10.8

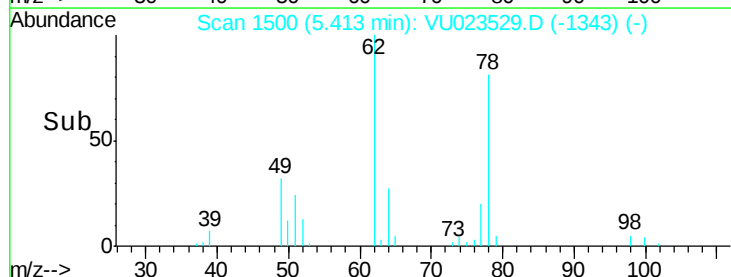


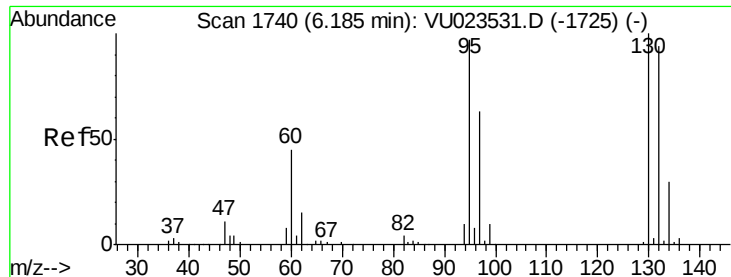
Abundance Ion 62.00 (61.70 to 62.70): VU023529.D (-1343) (-)

Ion 98.00 (97.70 to 98.70): VU023529.D (-1343) (-)



Time-->





#37

Trichloroethene

Concen: 2.06 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:130 Resp: 34686

Ion Ratio Lower Upper

130 100

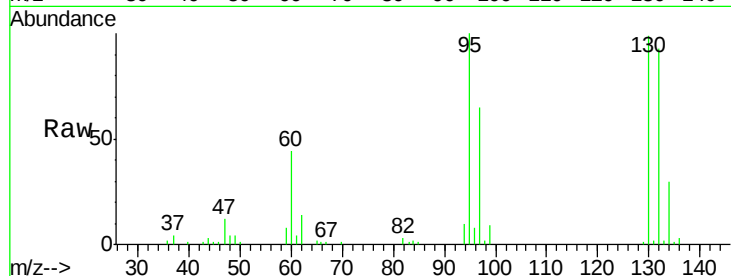
95 100.7 77.9 116.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0

6.18

20000

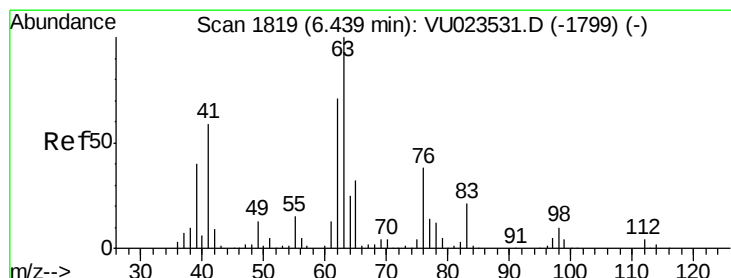
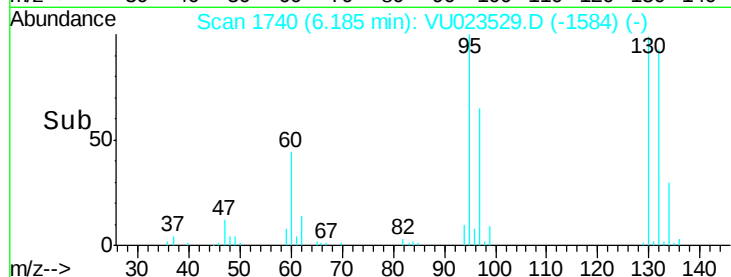
15000

10000

5000

0

Time-->



#38

1,2-Dichloropropane

Concen: 2.30 ug/l

RT: 6.44 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VU023529.D

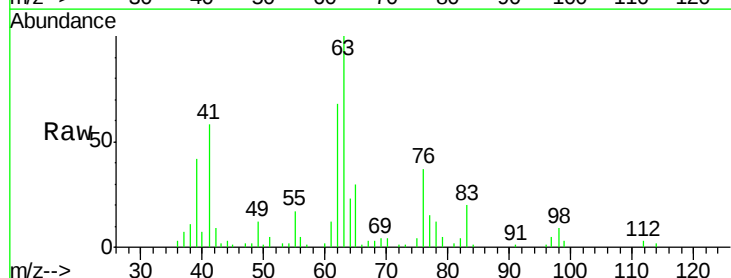
Acq: 30 Apr 2018 15:53

Tgt Ion: 63 Resp: 37043

Ion Ratio Lower Upper

63 100

65 30.4 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0

6.44

20000

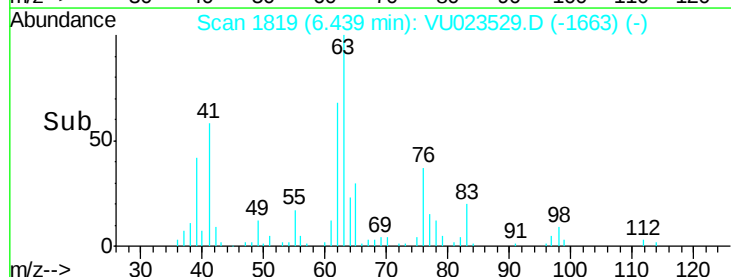
15000

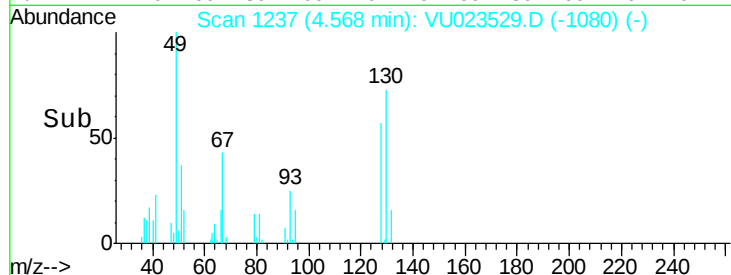
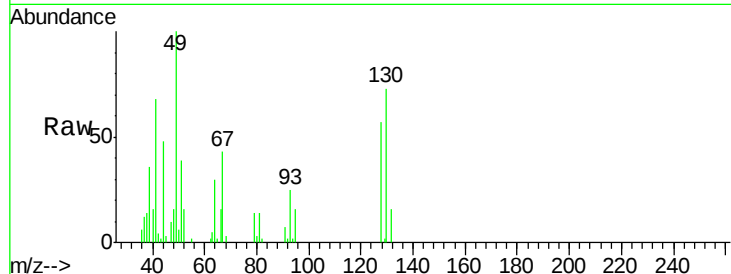
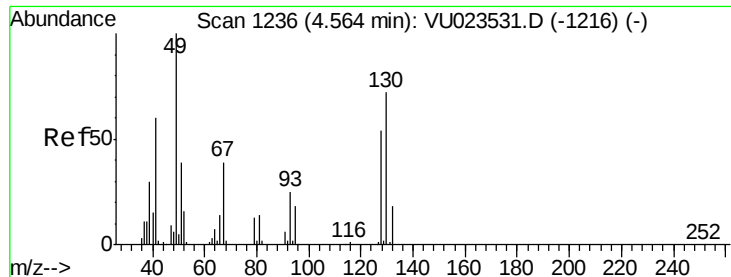
10000

5000

0

Time-->





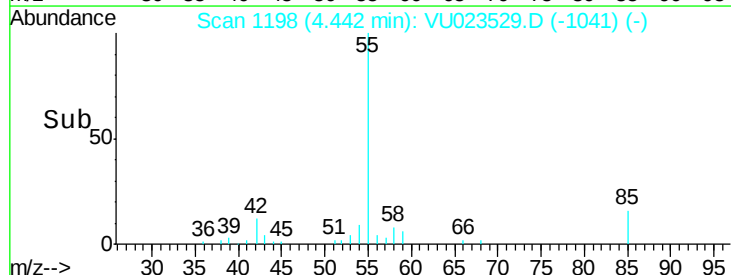
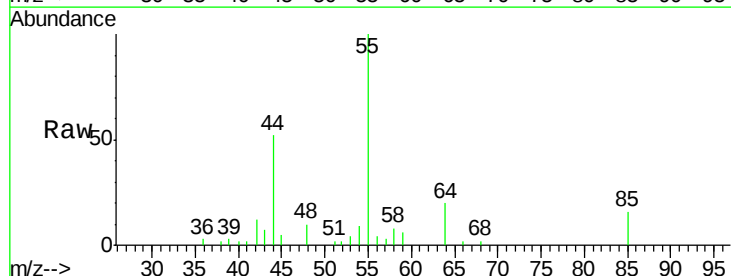
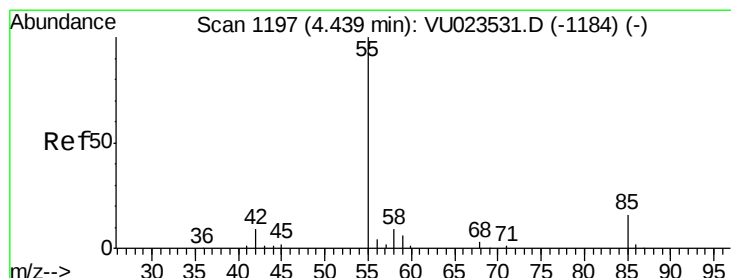
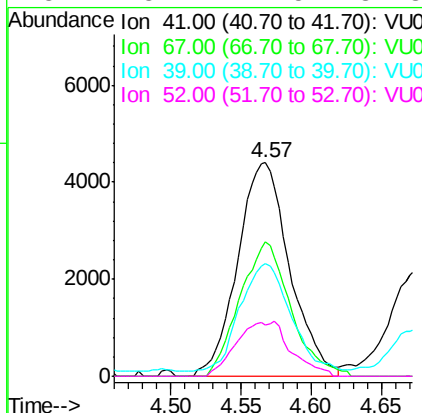
#39
Methacrylonitrile
Concen: 2.39 ug/l
RT: 4.57 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tot Ion	41	Resp	11333
Ion	Ratio	Lower	Upper
41	100		
67	61.5	51.3	76.9
39	49.8	40.6	60.8
52	15.1	21.5	32.3#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

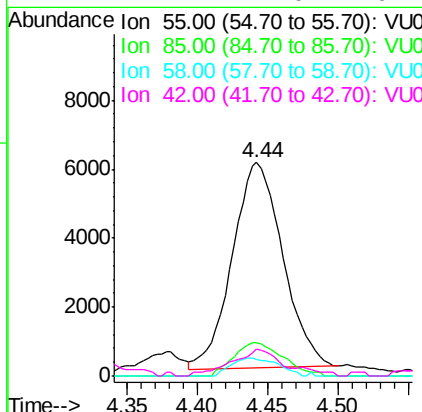
Manual Integrations
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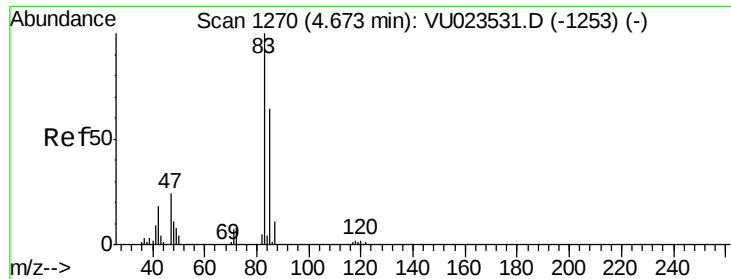
apatel
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#40
Methyl acrylate
Concen: 2.09 ug/l
RT: 4.44 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	55	Resp	14947
Ion	Ratio	Lower	Upper
55	100		
85	15.9	12.3	18.5
58	8.1	7.0	10.6
42	11.7	7.0	10.4#





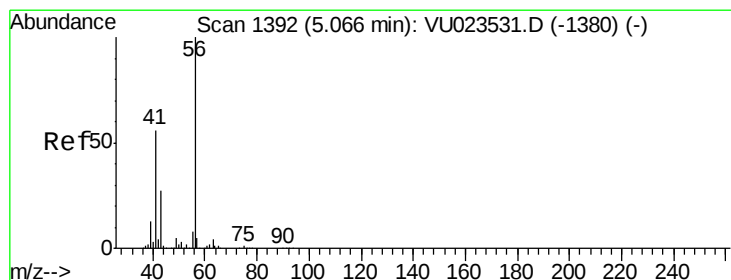
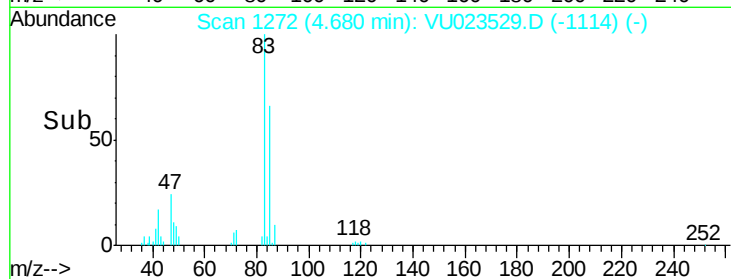
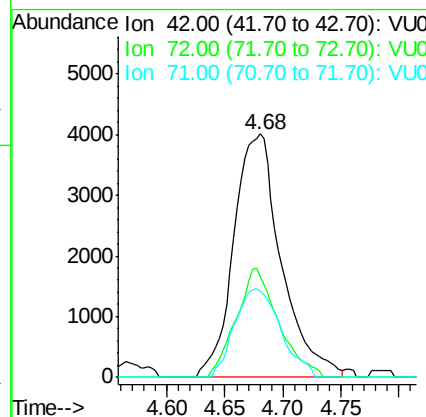
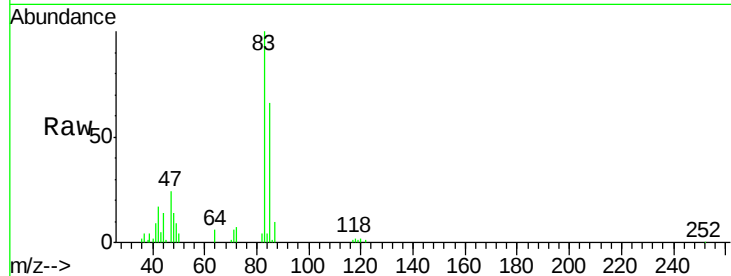
#41
Tetrahydrofuran
Concen: 4.33 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.2	49.8
71	35.1	29.8	44.8

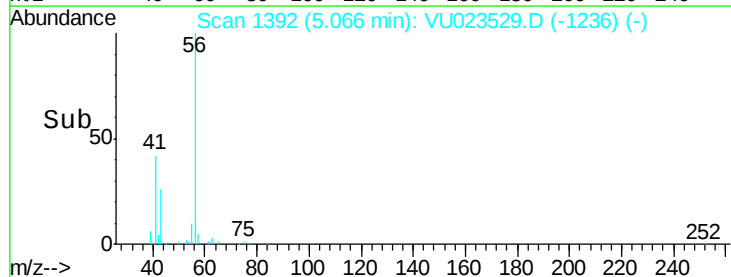
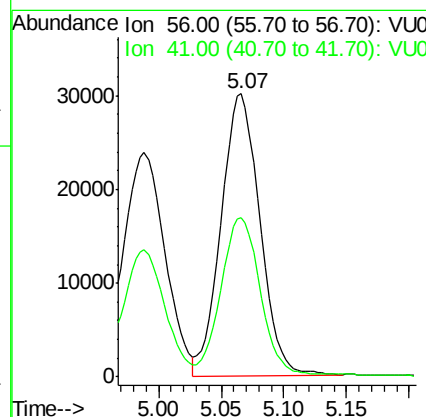
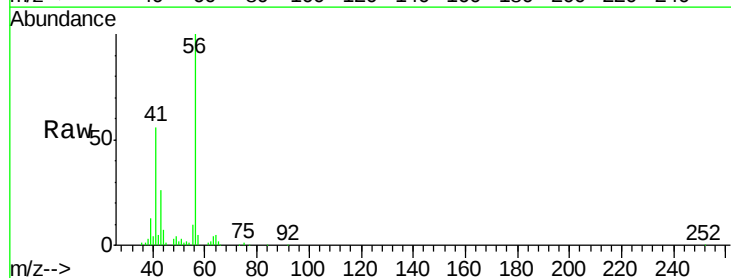
Manual Integrations
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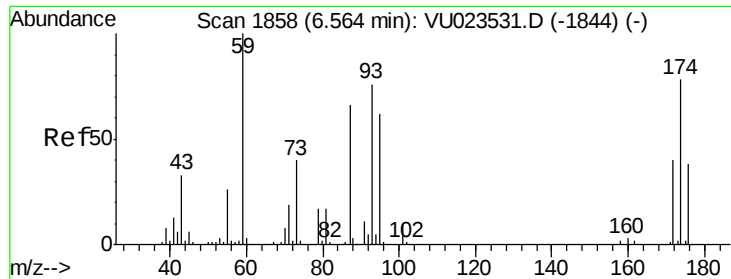
apatel
5/3/2018 4:39:08 PM



#42
1-Chlorobutane
Concen: 2.29 ug/l
RT: 5.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
56	100		
41	58.3	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: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

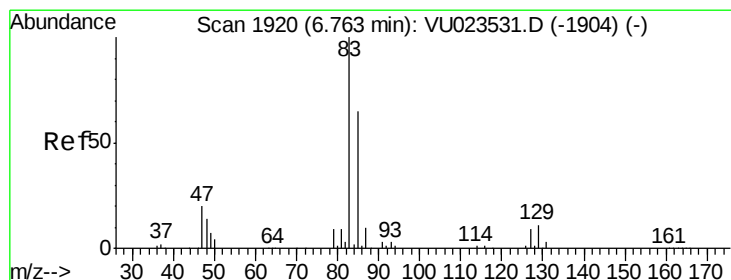
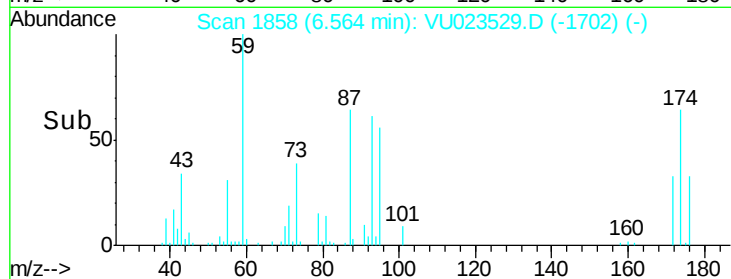
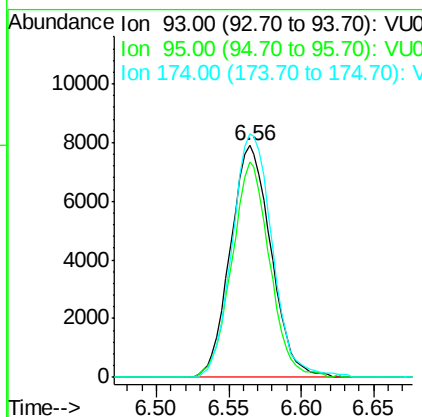
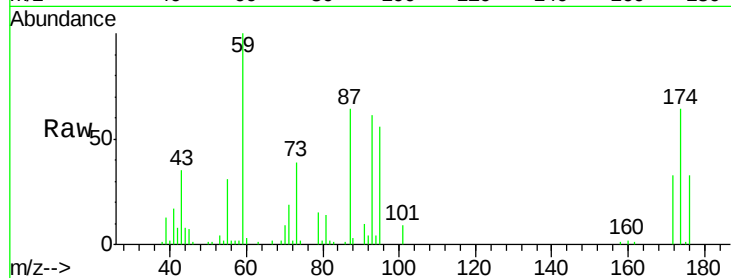
ClientSampled :

VSTDIC002

Tot Ion	93	Resp	15406
Ion	Ratio	Lower	Upper
93	100		
95	86.0	67.2	100.8
174	103.6	82.8	124.2

Manual Integrations
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apatel
5/3/2018 4:39:08 PM



#44

Bromodichloromethane

Concen: 2.17 ug/l

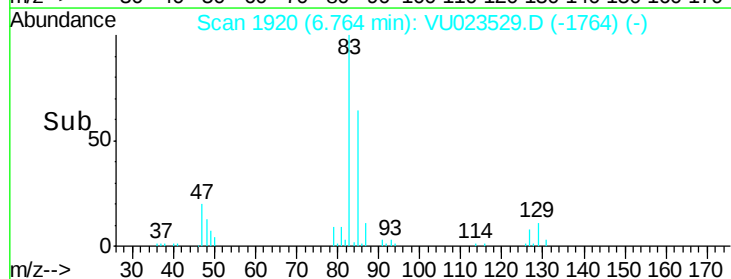
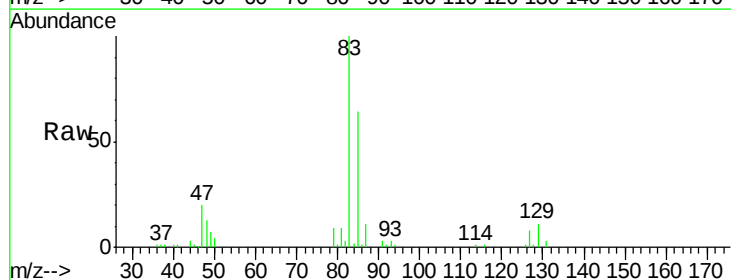
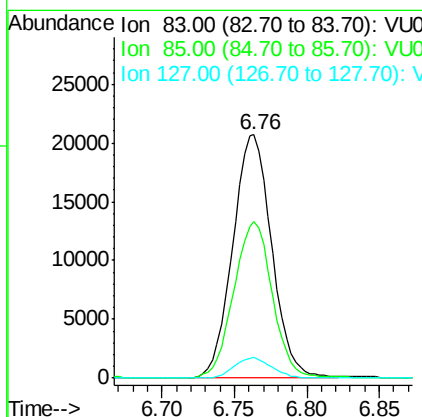
RT: 6.76 min Scan# 1920

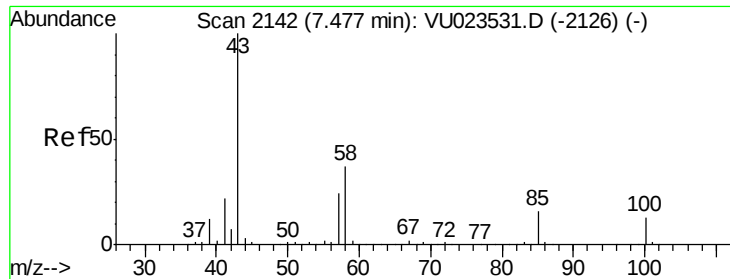
Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion	83	Resp	38676
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	8.4	7.0	10.4





#45

4-Methyl-2-Pentanone

Concen: 10.30 ug/l

RT: 7.48 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

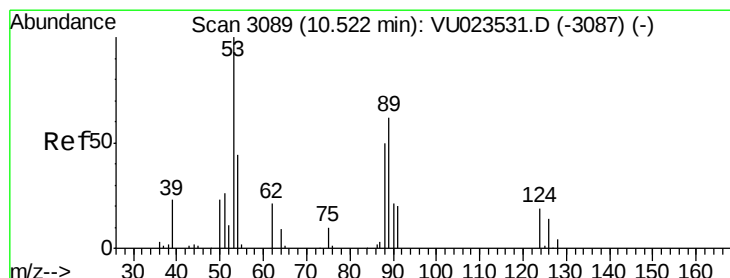
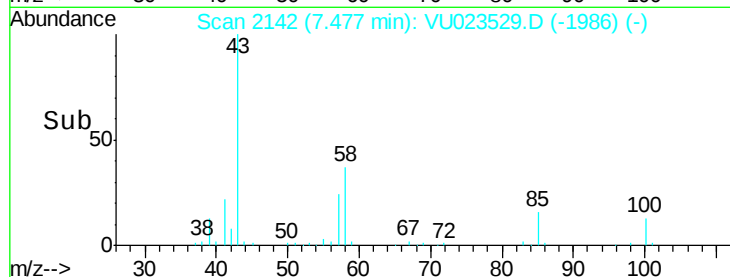
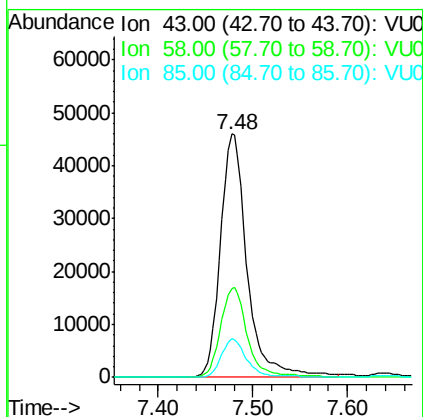
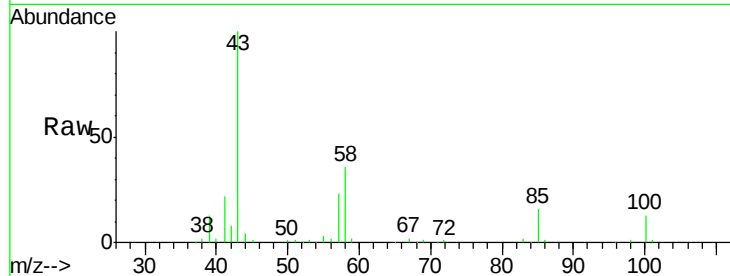
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	90322
Ion	Ratio	Lower	Upper
43	100		
58	37.3	18.8	56.4
85	15.3	12.6	19.0

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#46

t-1,4-Dichloro-2-butene

Concen: 3.62 ug/l m

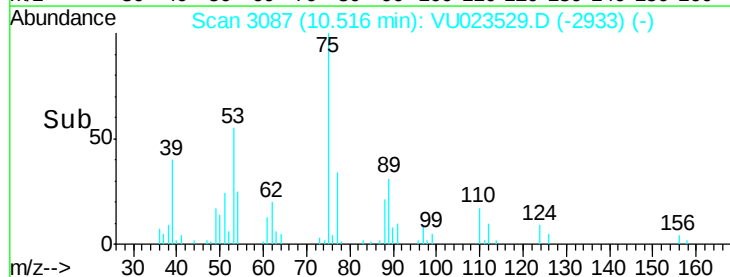
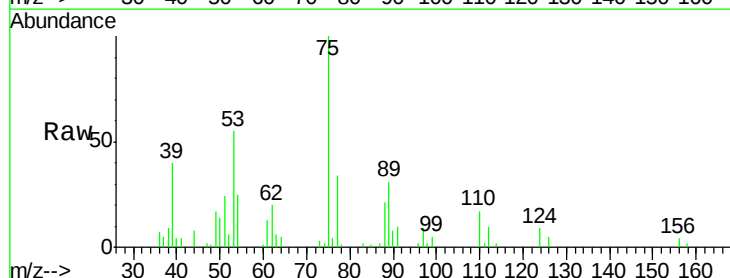
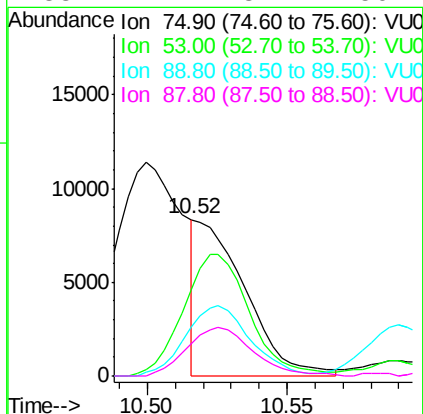
RT: 10.52 min Scan# 3087

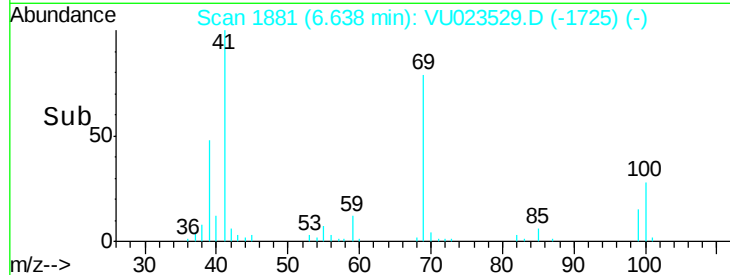
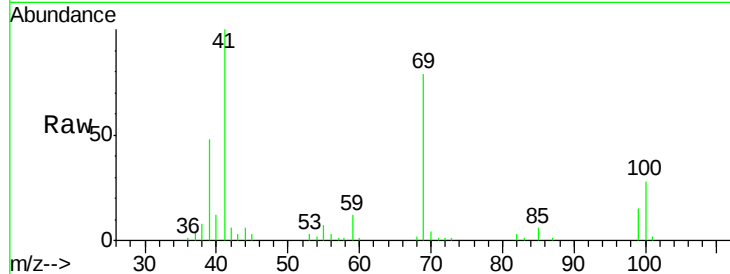
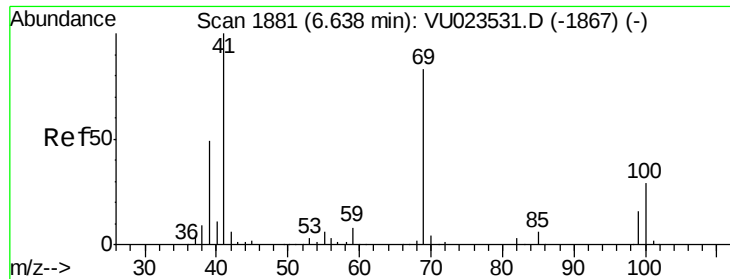
Delta R.T. -0.01 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion:	75	Resp:	9897
Ion	Ratio	Lower	Upper
75	100		
53	106.2	82.2	123.4
89	60.2	51.3	76.9
88	42.7	37.4	56.2





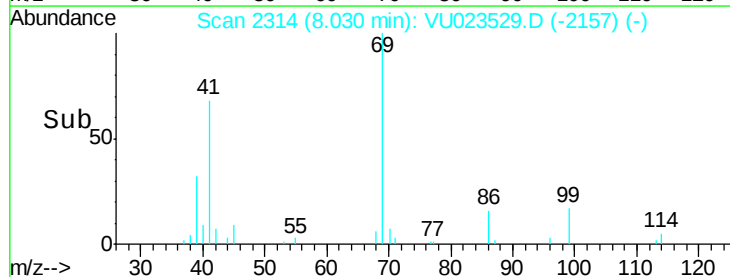
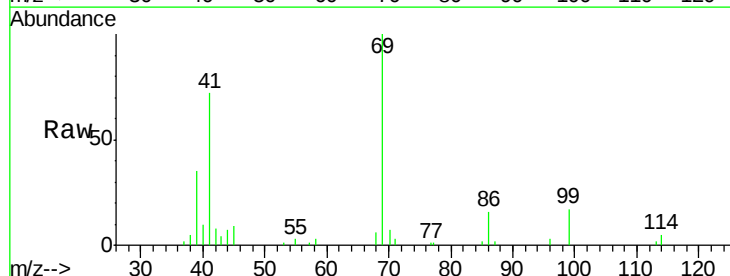
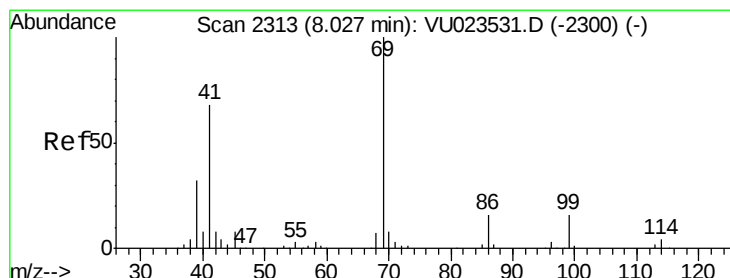
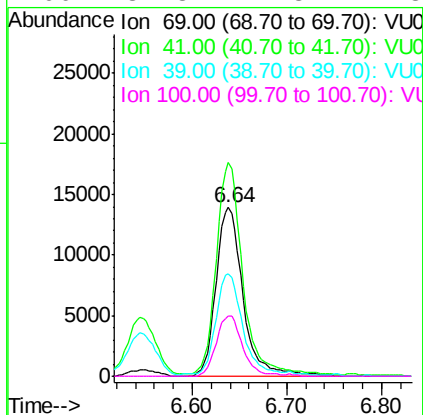
#47
Methyl methacrylate
Concen: 3.84 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tot Ion	Ratio	Lower	Upper
69	100		
41	123.3	0.0	245.4
39	57.1	49.0	73.4
100	34.8	27.8	41.8

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

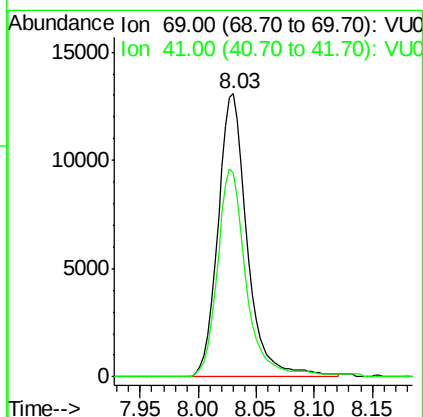
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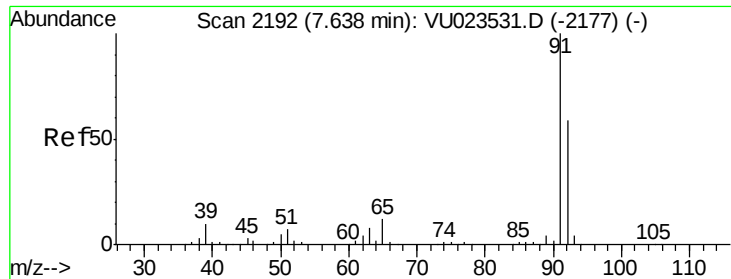
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#48
Ethyl methacrylate
Concen: 1.78 ug/l
RT: 8.03 min Scan# 2314
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	34.2	102.5





#49

Toluene

Concen: 2.03 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion: 92 Resp: 74931

Ion Ratio Lower Upper

92 100

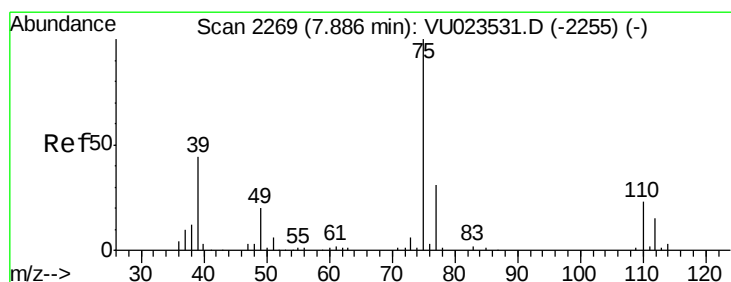
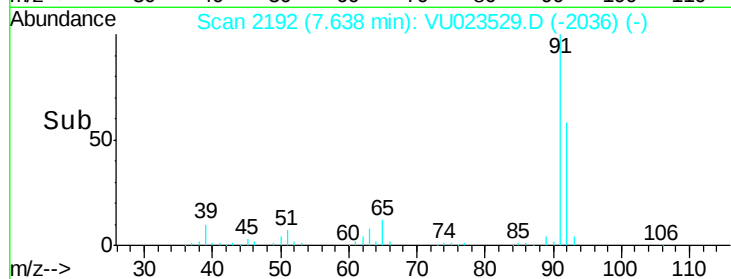
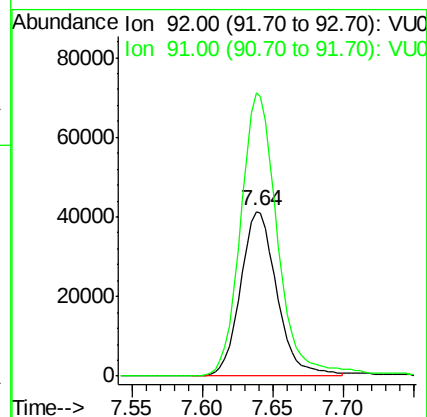
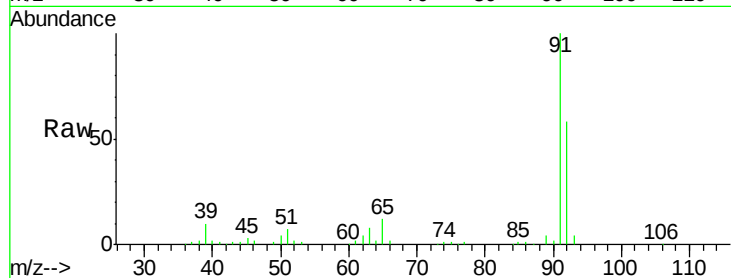
91 176.5 137.1 205.7

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#50

t-1,3-Dichloropropene

Concen: 2.11 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU023529.D

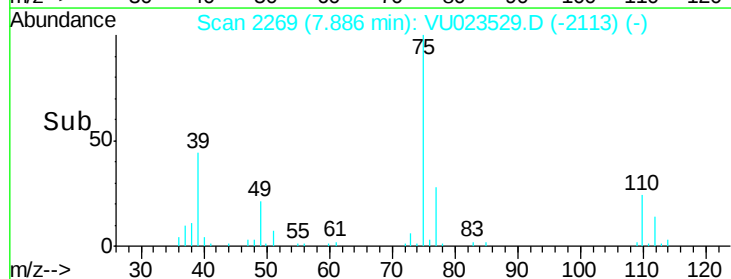
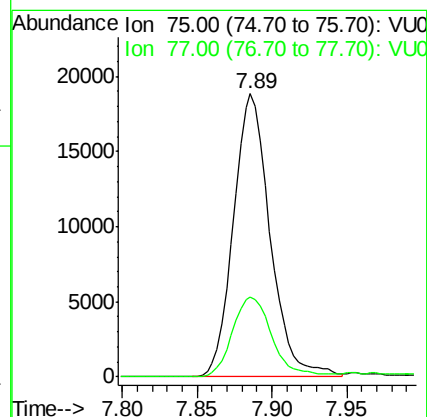
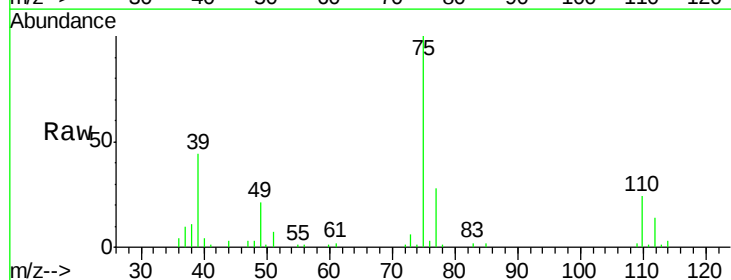
Acq: 30 Apr 2018 15:53

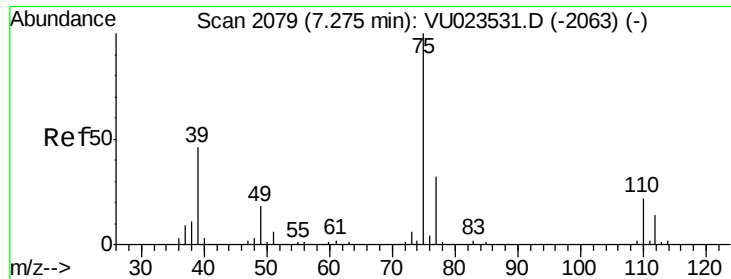
Tgt Ion: 75 Resp: 32264

Ion Ratio Lower Upper

75 100

77 28.2 25.2 37.8





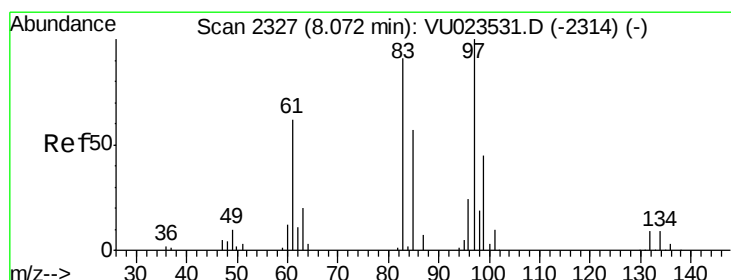
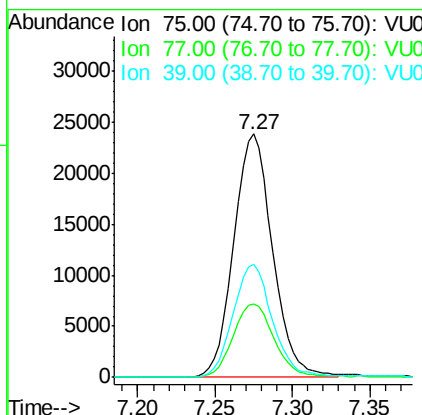
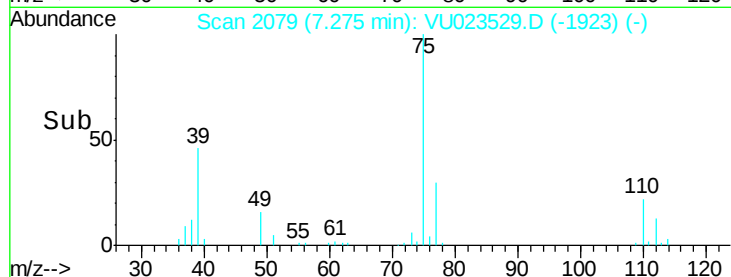
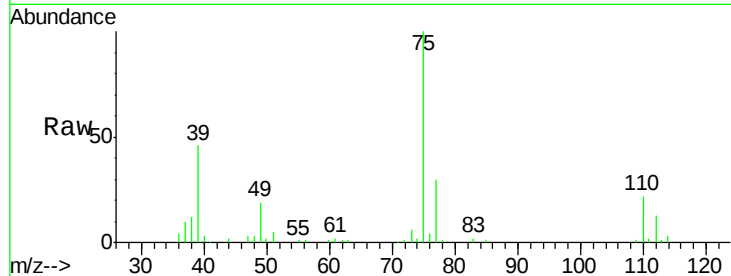
#51
 cis-1,3-Dichloropropene
 Concen: 2.11 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	75	Resp:	41634
Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.2	37.8
39	46.3	36.4	54.6

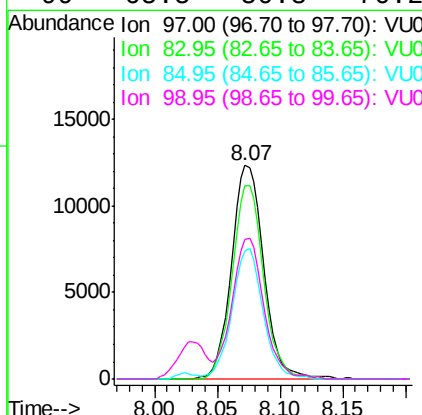
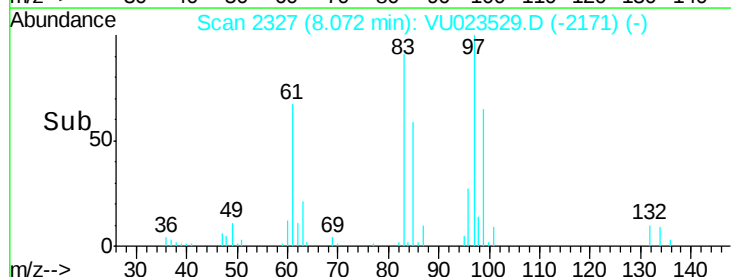
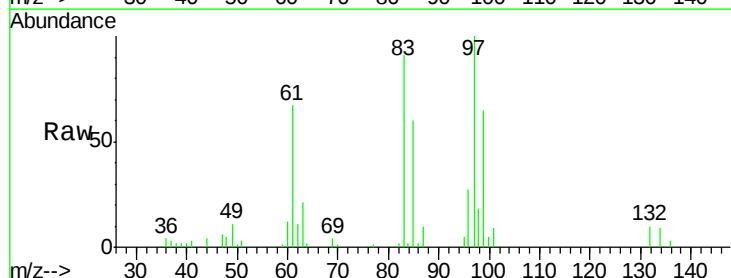
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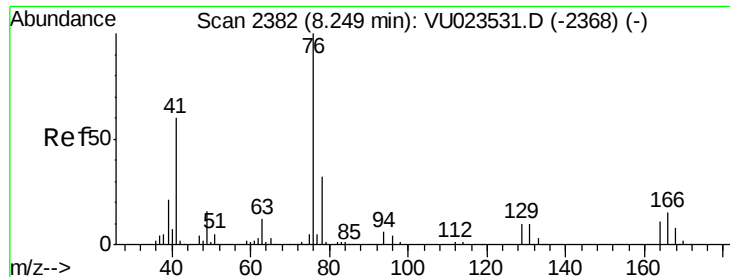
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#52
 1,1,2-Trichloroethane
 Concen: 2.00 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion:	97	Resp:	22127
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.6	109.0
85	60.2	47.2	70.8
99	65.5	50.8	76.2





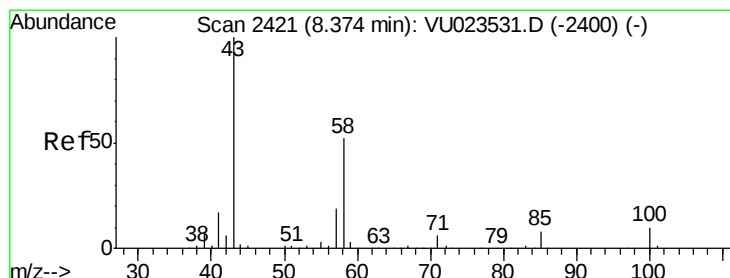
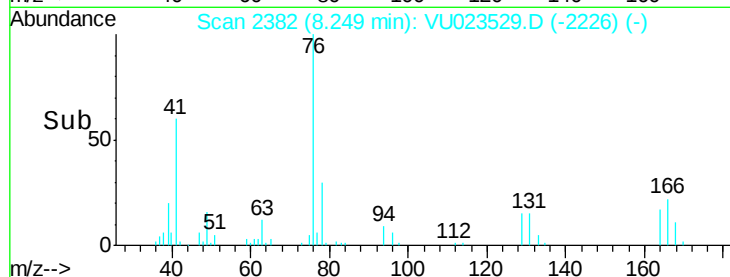
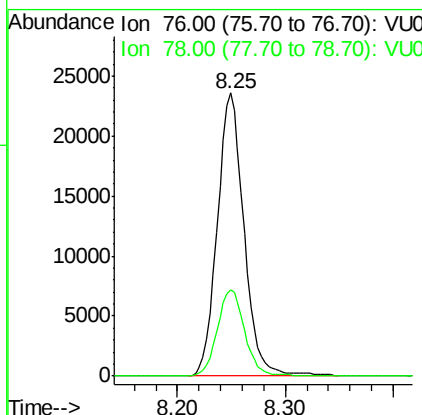
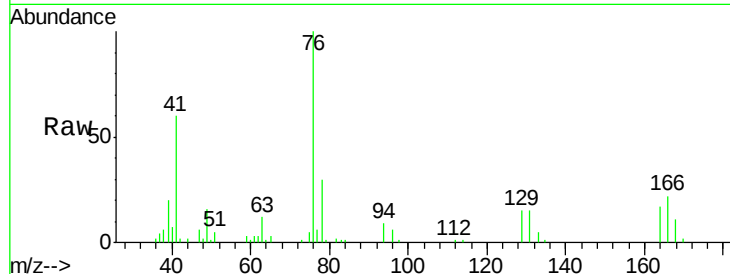
#53
 1,3-Dichloropropane
 Concen: 2.12 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	76	Resp	40484
Ion Ratio	Lower	Upper	
76	100		
78	30.8	25.7	38.5

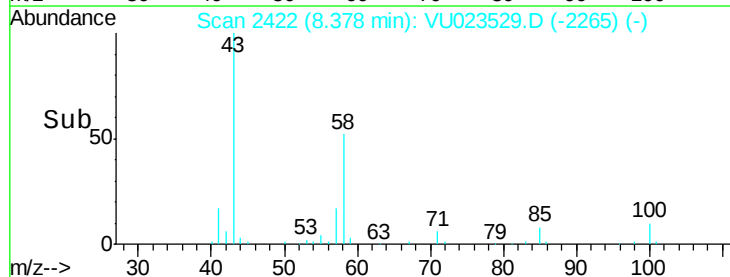
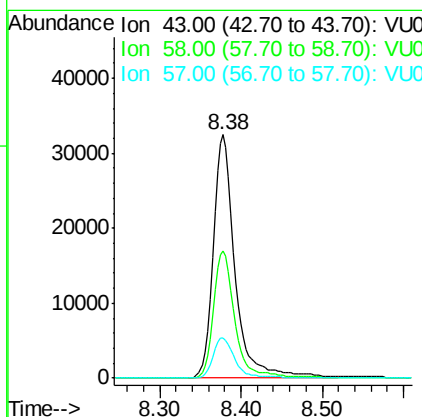
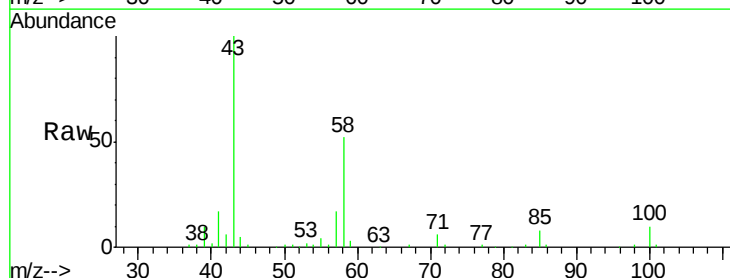
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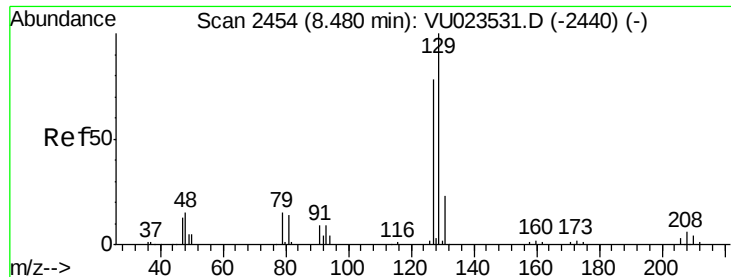
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#54
 2-Hexanone
 Concen: 10.29 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	43	Resp	61526
Ion Ratio	Lower	Upper	
43	100		
58	51.3	32.5	72.5
57	16.6	0.0	37.9





#55

Dibromochloromethane

Concen: 2.11 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:129 Resp: 24035

Ion Ratio Lower Upper

129 100

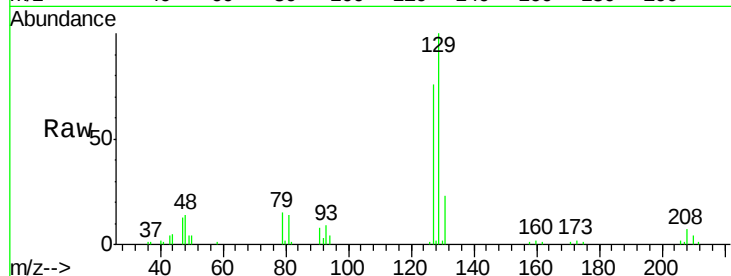
127 76.2 61.1 91.7

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15000

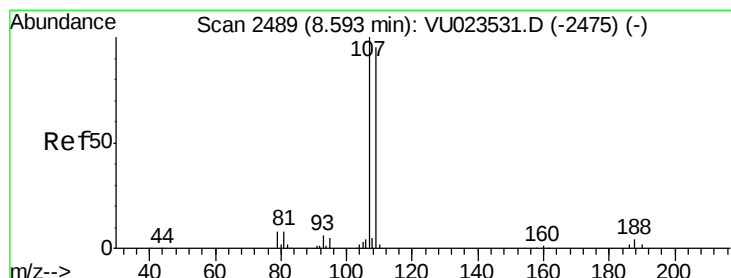
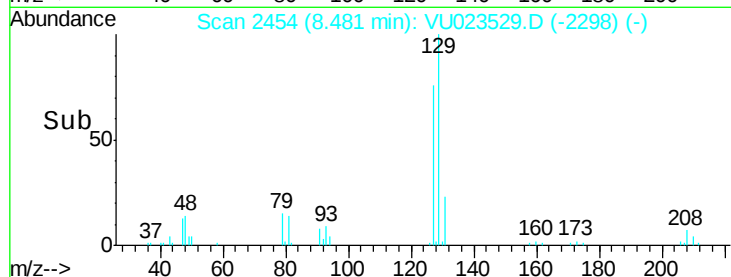
10000

5000

0

8.40 8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 1.93 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023529.D

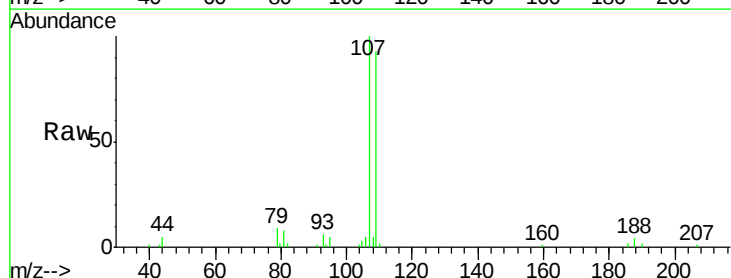
Acq: 30 Apr 2018 15:53

Tgt Ion:107 Resp: 18822

Ion Ratio Lower Upper

107 100

109 95.6 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

12000

10000

8000

6000

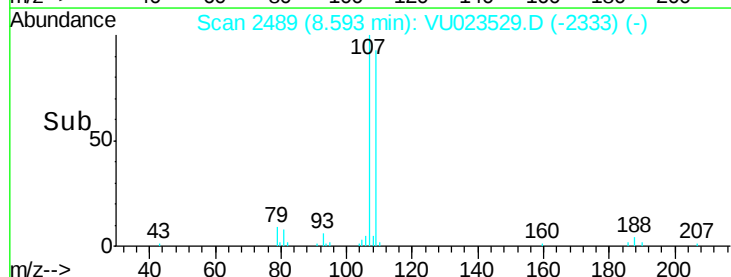
4000

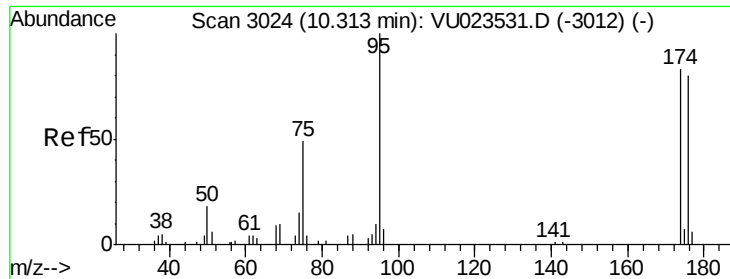
2000

0

8.55 8.60 8.65

Time-->





#57

4-Bromofluorobenzene

Concen: 1.93 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

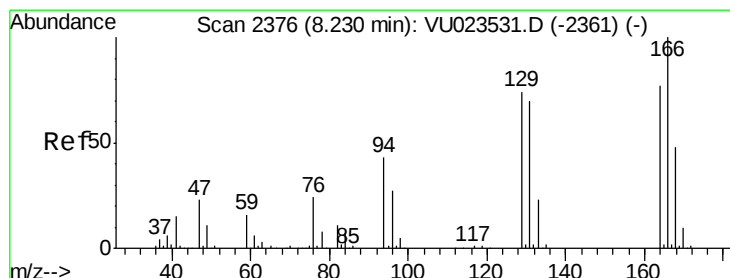
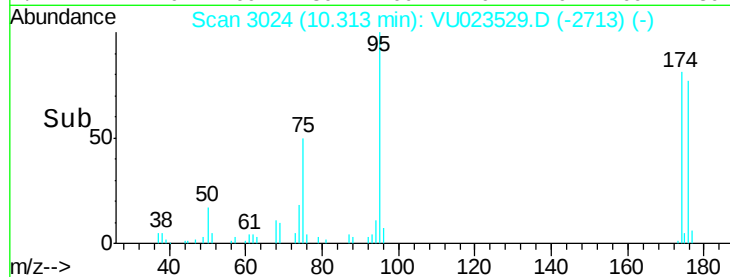
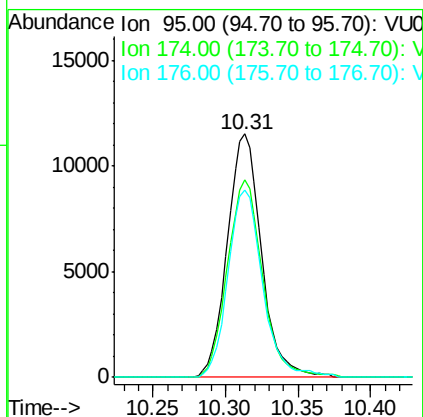
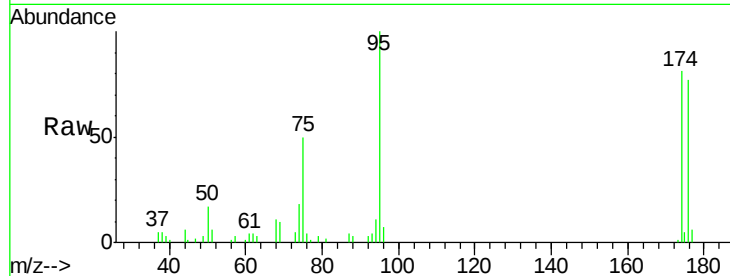
ClientSampleId :

VSTDIC002

Tot Ion:	95	Resp:	18834
Ion Ratio	Lower	Upper	
95	100		
174	83.5	65.6	98.4
176	77.9	62.0	93.0

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#58

Tetrachloroethene

Concen: 2.08 ug/l

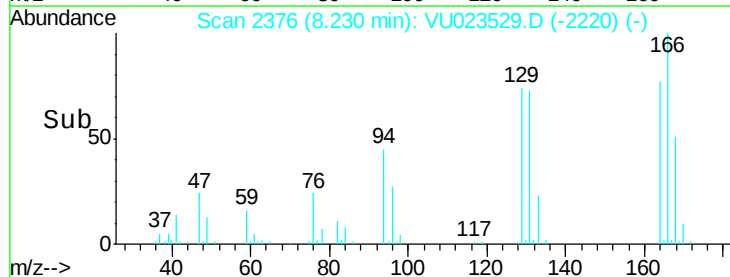
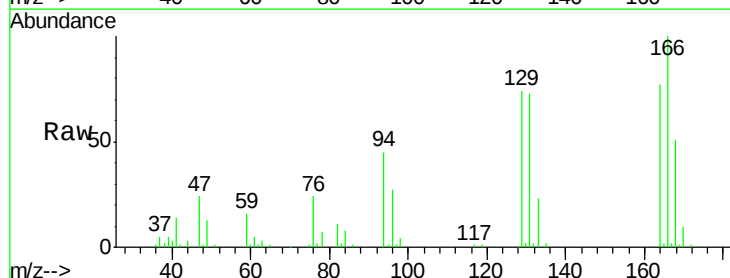
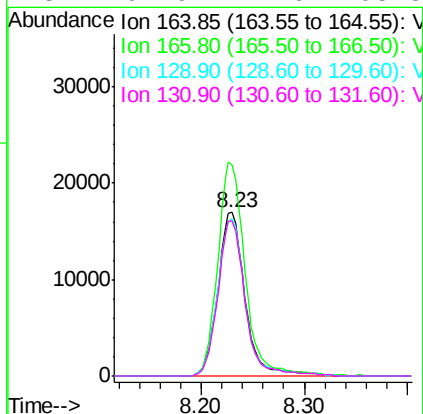
RT: 8.23 min Scan# 2376

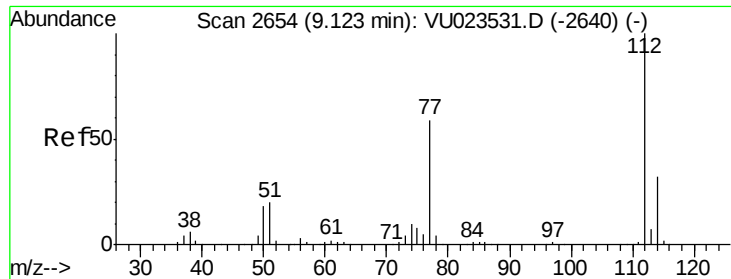
Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion:	164	Resp:	31228
Ion Ratio	Lower	Upper	
164	100		
166	129.5	104.1	156.1
129	96.2	76.8	115.2
131	94.9	72.6	108.8





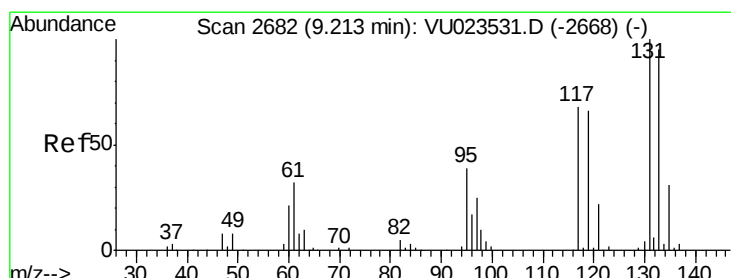
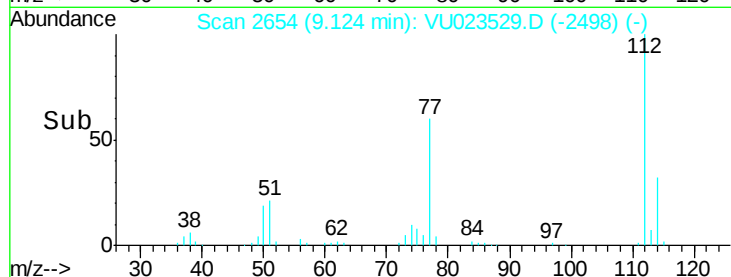
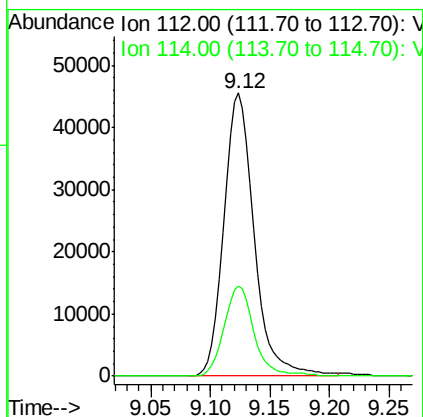
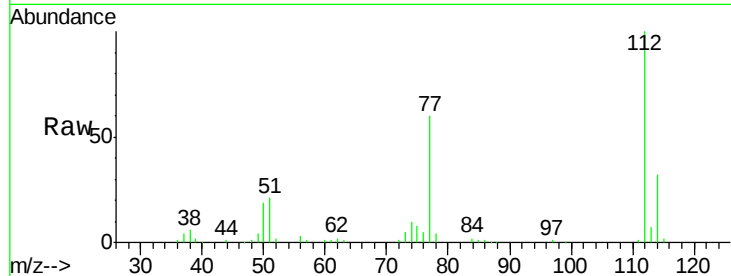
#59
Chlorobenzene
Concen: 1.99 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:112 Resp: 80666
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

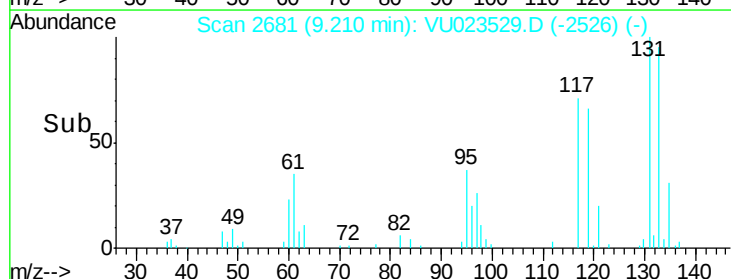
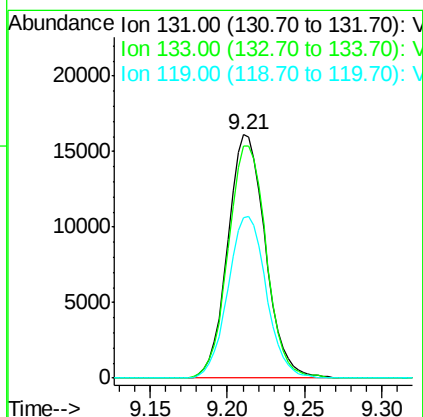
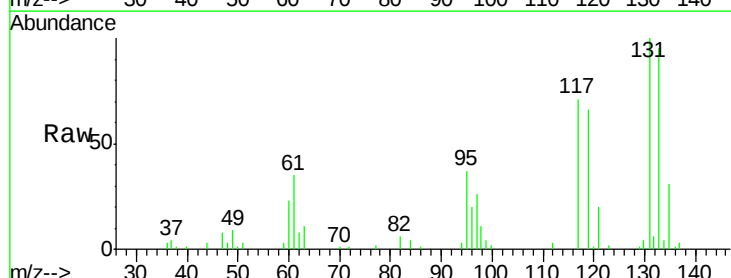
Manual Integrations
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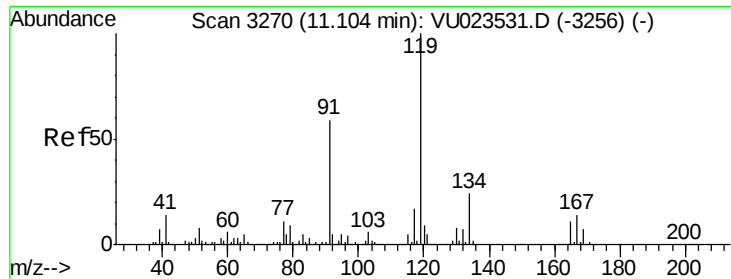
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#60
1,1,1,2-Tetrachloroethane
Concen: 1.99 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion:131 Resp: 27221
Ion Ratio Lower Upper
131 100
133 96.5 75.8 113.8
119 67.5 53.0 79.6





#61

Pentachloroethane

Concen: 2.01 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:117 Resp: 19920

Ion Ratio Lower Upper

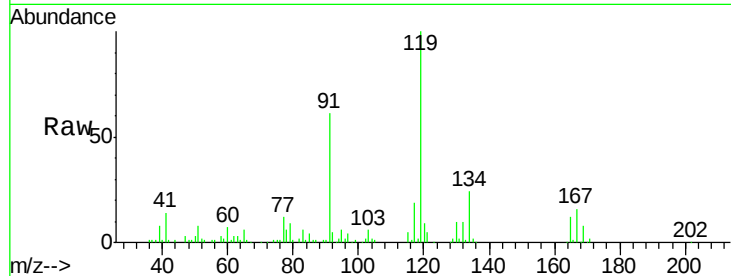
117 100

167 81.4 69.2 103.8

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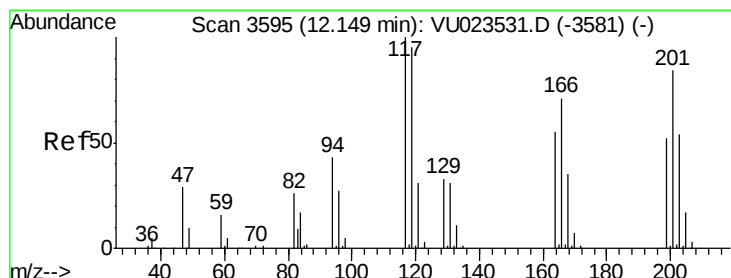
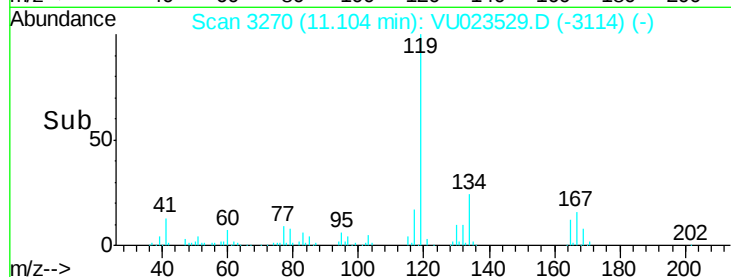
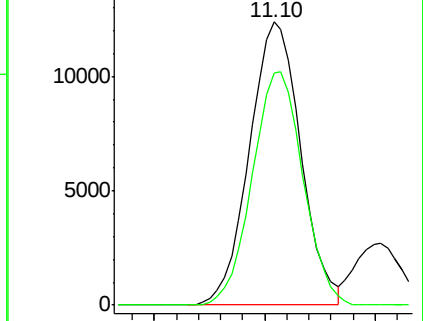
apatel

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 2.07 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023529.D

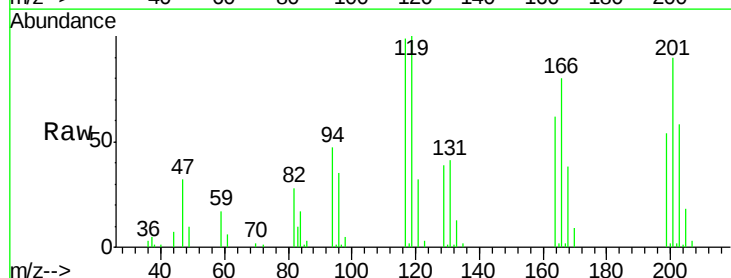
Acq: 30 Apr 2018 15:53

Tgt Ion:117 Resp: 18429

Ion Ratio Lower Upper

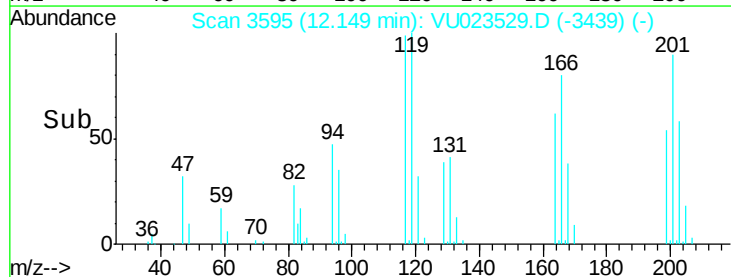
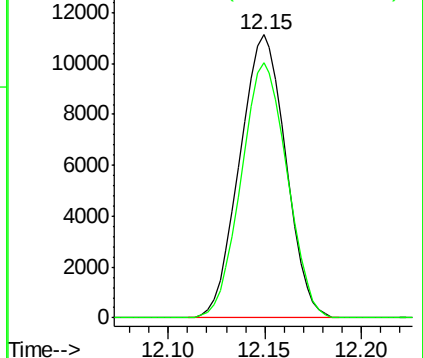
117 100

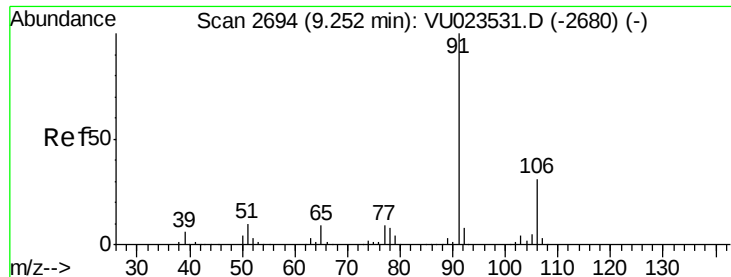
201 89.8 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





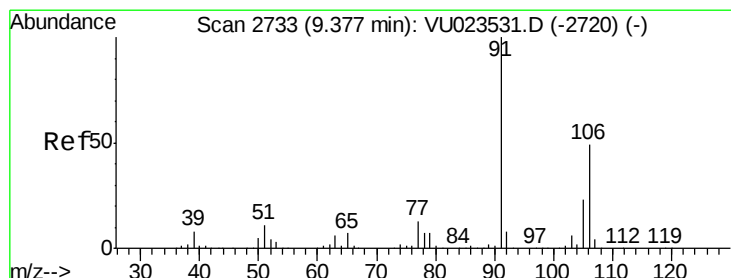
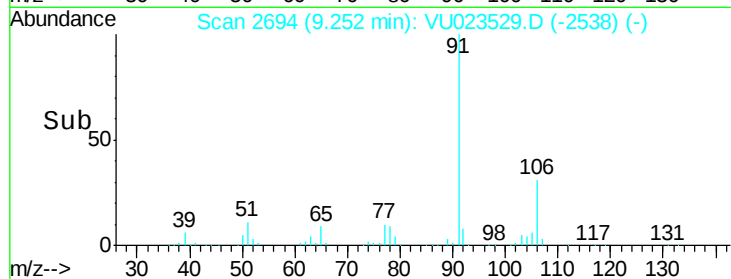
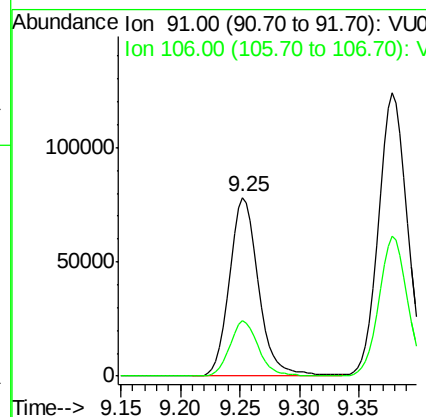
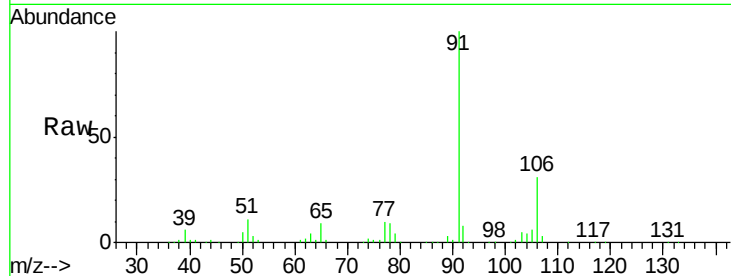
#63
Ethyl Benzene
Concen: 1.98 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 132818
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

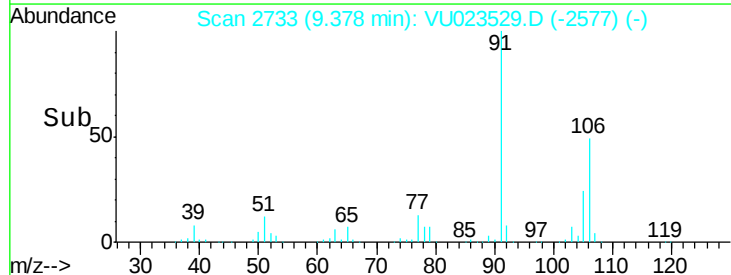
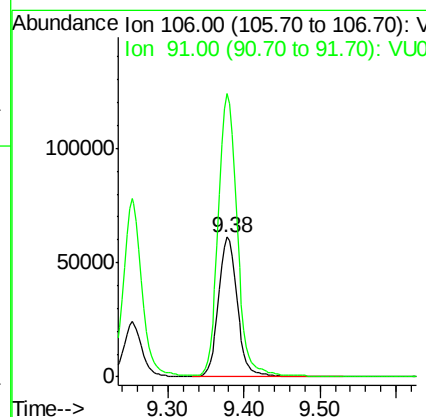
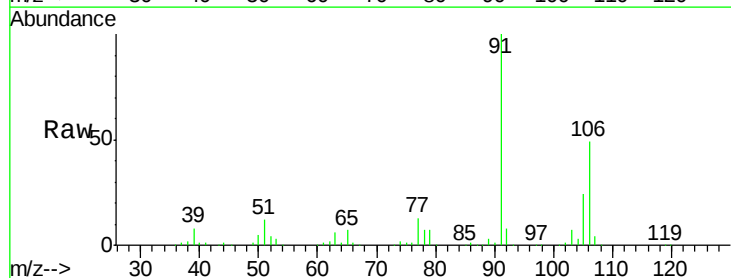
Manual Integrations
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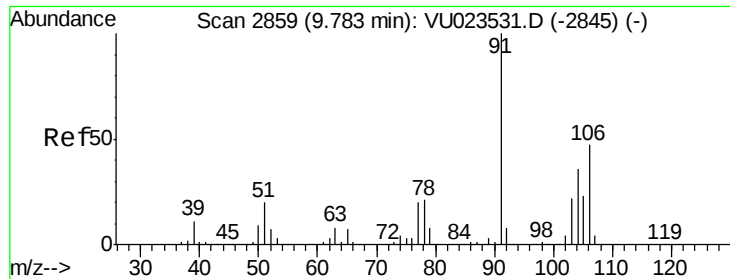
apatel
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#64
m/p-Xylenes
Concen: 4.06 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion: 106 Resp: 105189
Ion Ratio Lower Upper
106 100
91 202.4 164.1 246.1





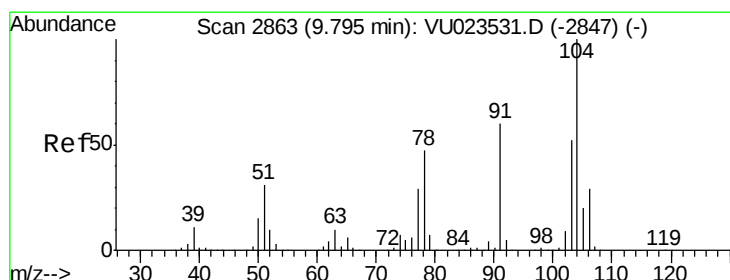
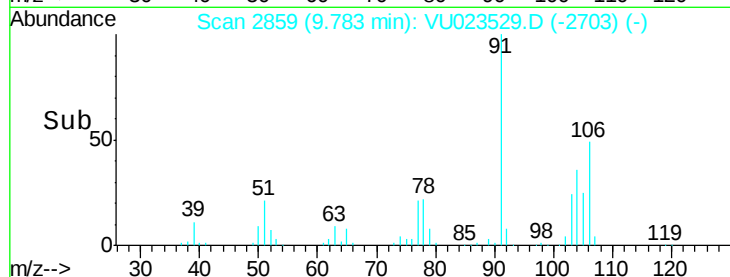
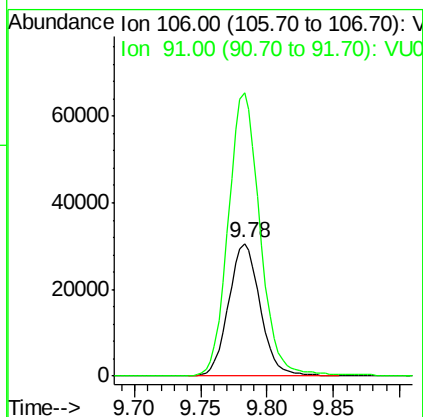
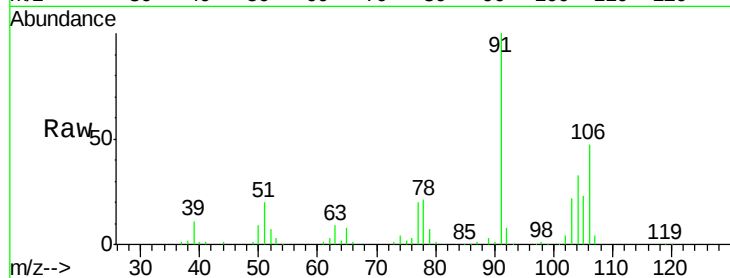
#65
o-Xylene
Concen: 1.99 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion:106 Resp: 50868
Ion Ratio Lower Upper
106 100
91 214.3 107.9 323.7

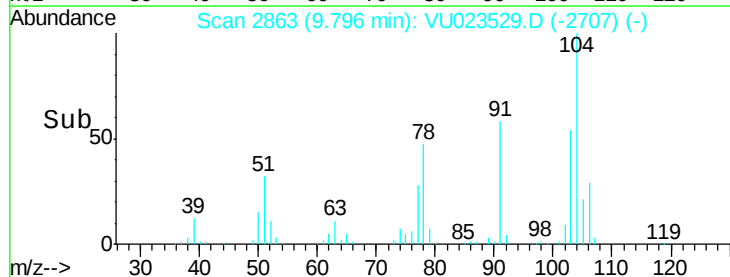
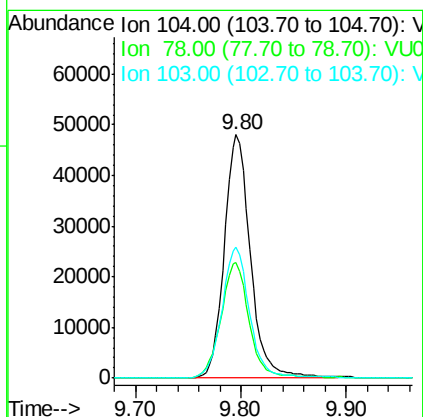
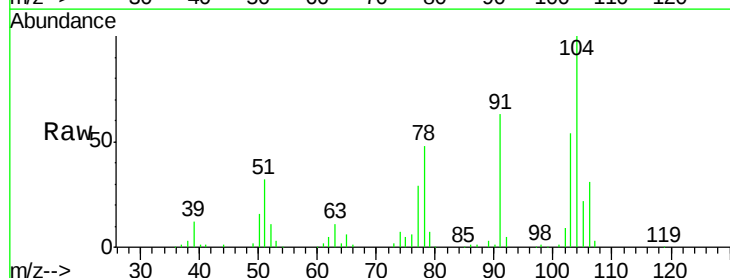
Manual Integrations
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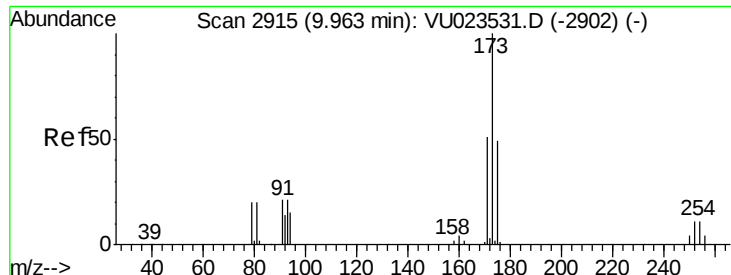
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#66
Styrene
Concen: 1.96 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion:104 Resp: 82702
Ion Ratio Lower Upper
104 100
78 51.2 40.2 60.2
103 57.1 44.2 66.4





#67

Bromoform

Concen: 2.01 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

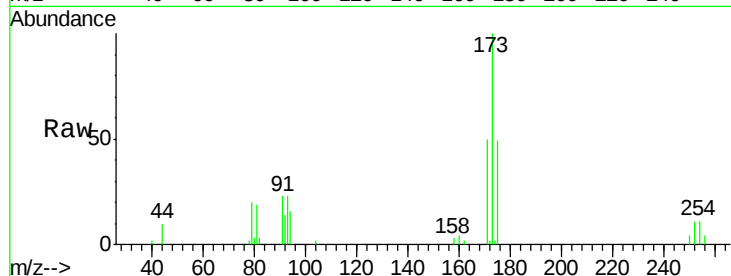
ClientSampleId :

VSTDIC002

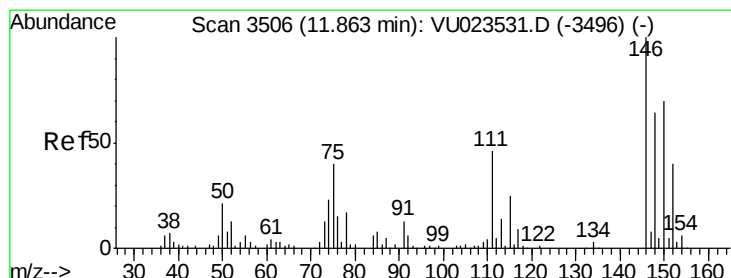
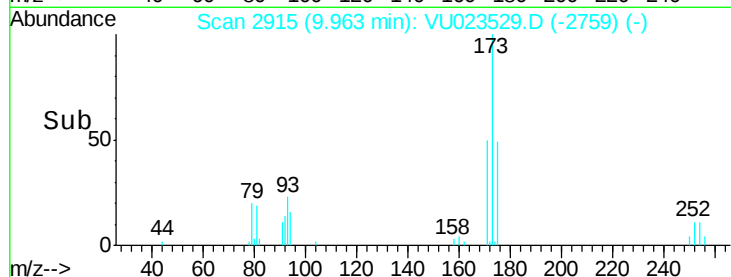
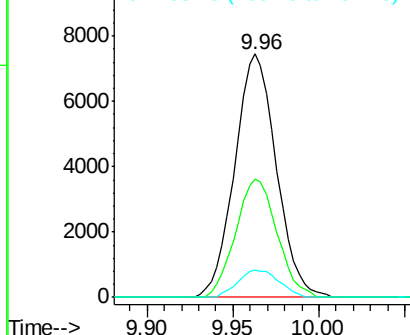
Tot Ion:	173	Resp:	12494
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.6	57.8
254	11.1	8.8	13.2

Manual Integrations
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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: 2.01 ug/l

RT: 11.86 min Scan# 3506

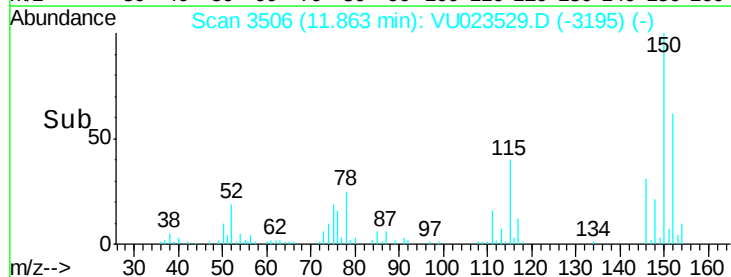
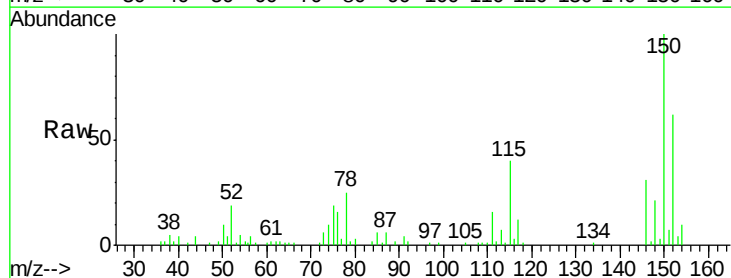
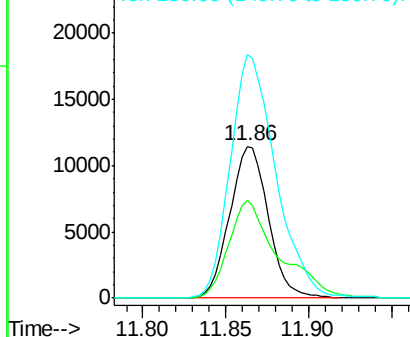
Delta R.T. 0.00 min

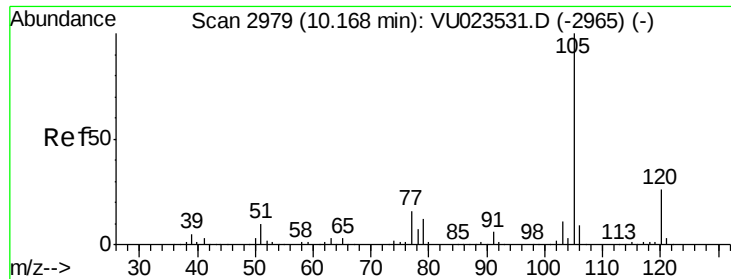
Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Tgt Ion:	152	Resp:	18477
Ion Ratio	Lower	Upper	
152	100		
115	83.6	0.0	118.8
150	190.2	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: 2.04 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 130134

Ion Ratio Lower Upper

105 100

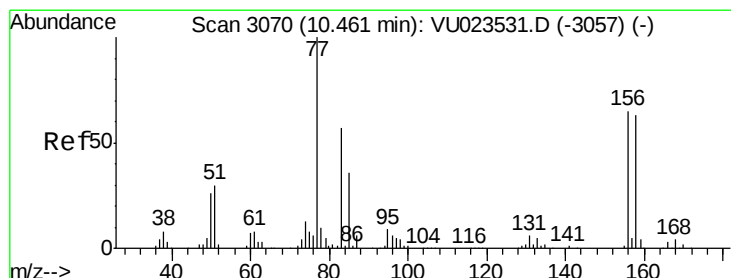
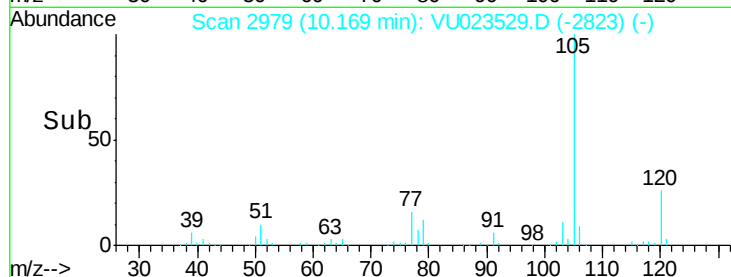
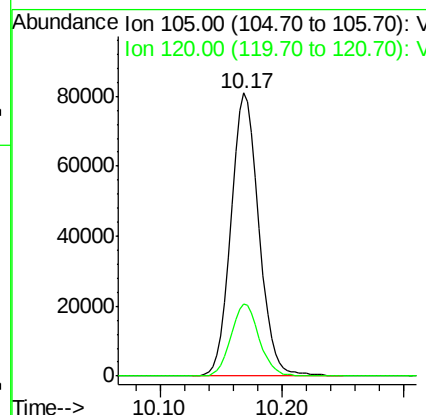
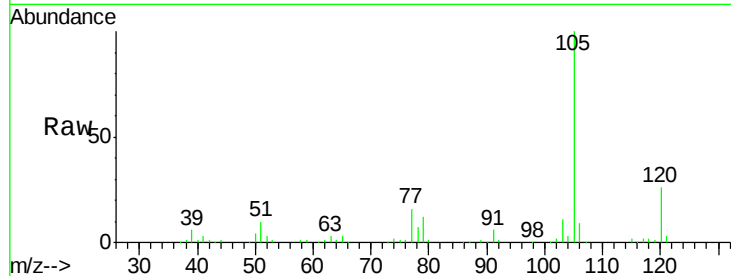
120 26.0 13.1 39.3

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 1.90 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

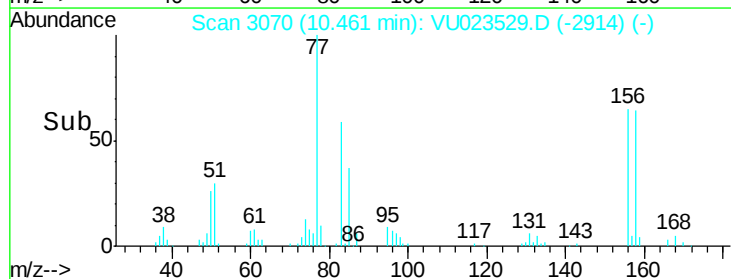
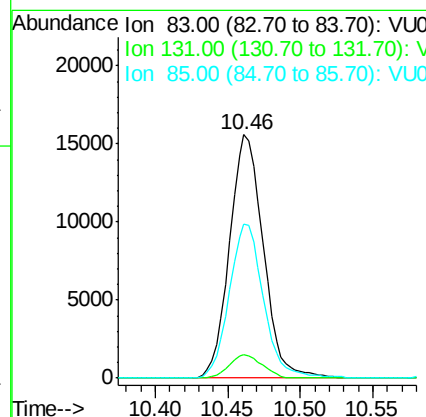
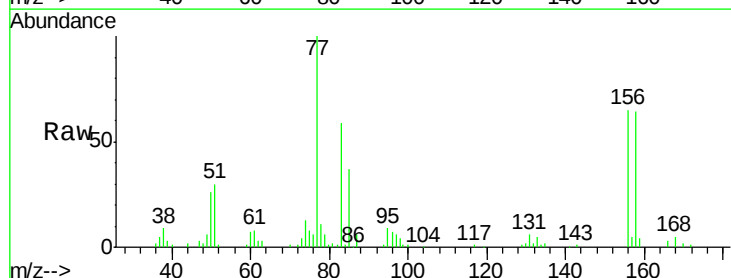
Tgt Ion: 83 Resp: 25309

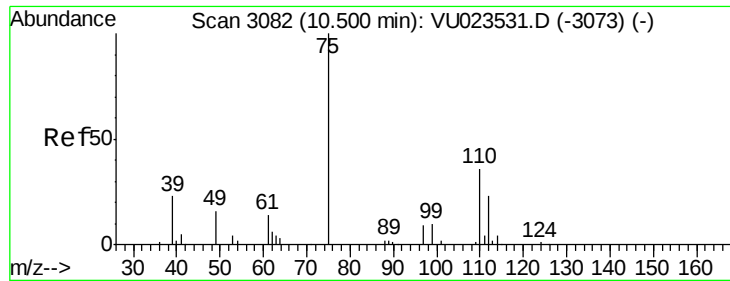
Ion Ratio Lower Upper

83 100

131 9.2 7.9 11.9

85 64.1 51.8 77.6





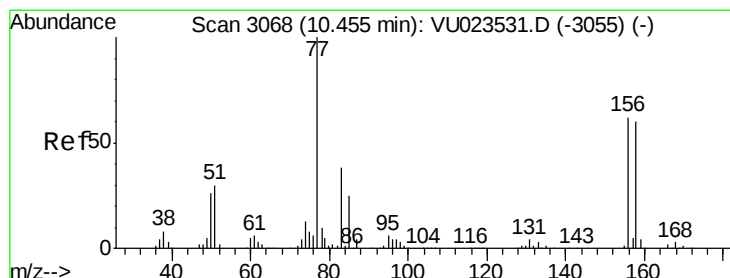
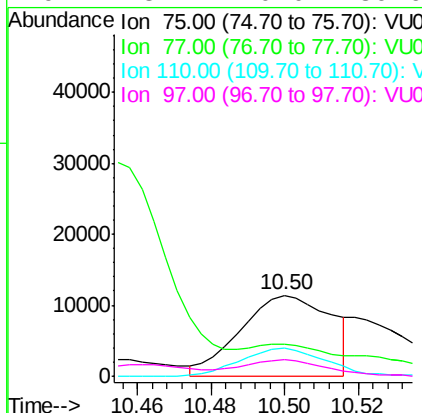
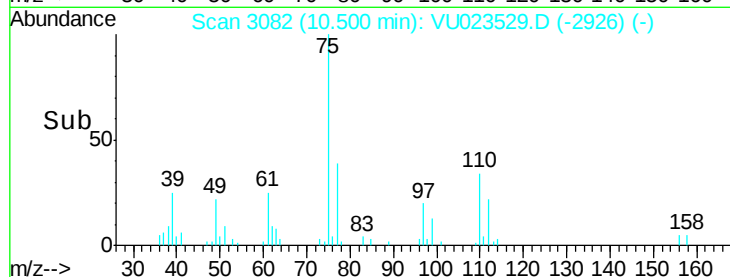
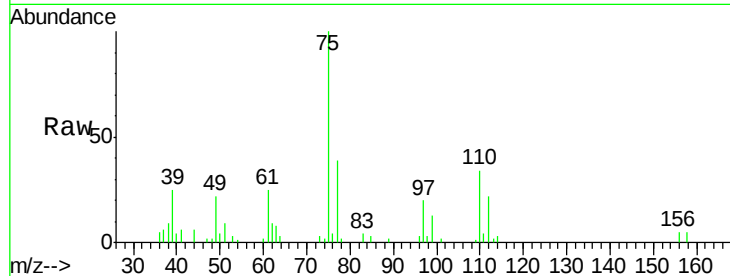
#71
 1,2,3-Trichloropropane
 Concen: 2.00 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion:	75	Resp:	19598
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	32.9	0.0	74.0
97	18.4	0.0	39.6

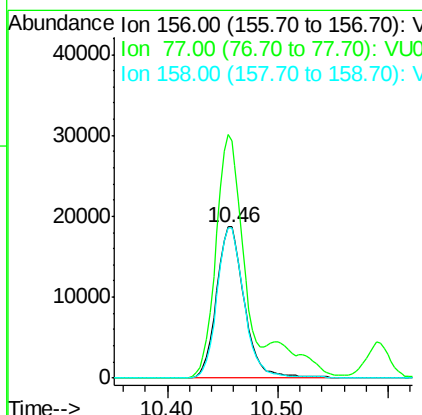
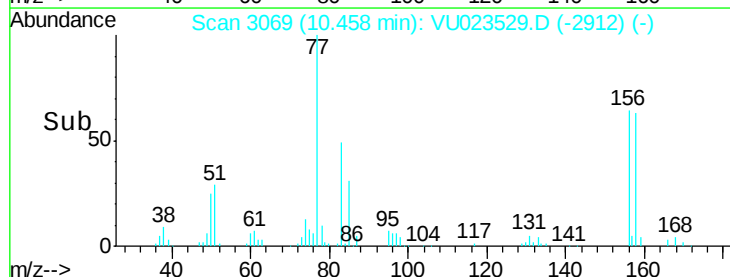
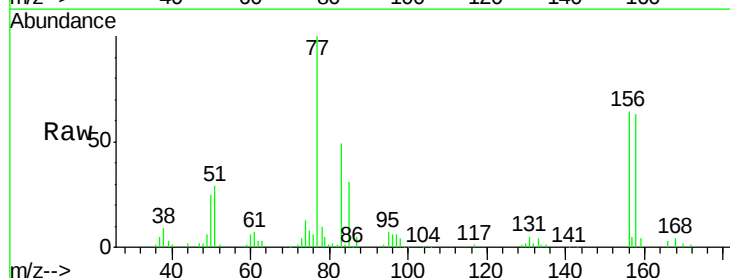
Manual Integrations
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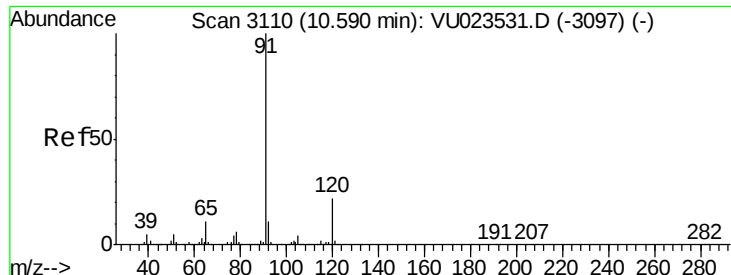
apatel
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#72
 Bromobenzene
 Concen: 1.91 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion:	156	Resp:	32756
Ion Ratio	Lower	Upper	
156	100		
77	154.7	0.0	309.8
158	96.3	0.0	193.0





#73

n-propylbenzene

Concen: 2.00 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:120 Resp: 35721

Ion Ratio Lower Upper

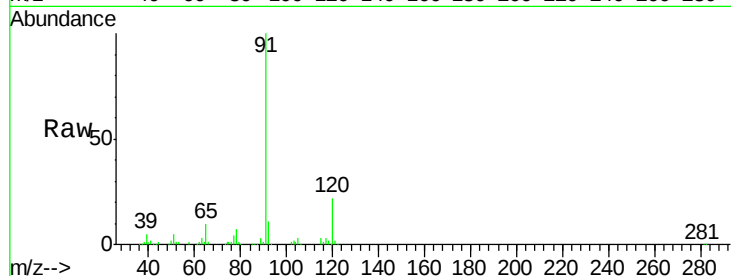
120 100

91 444.7 352.2 528.4

Manual Integrations
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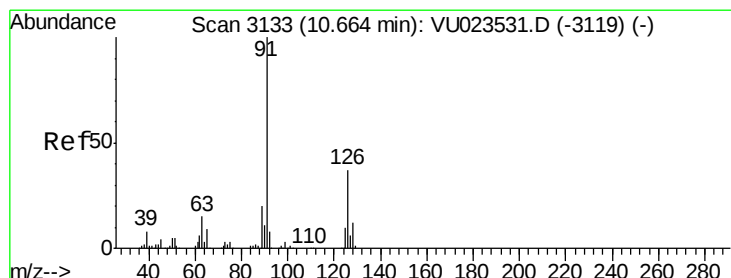
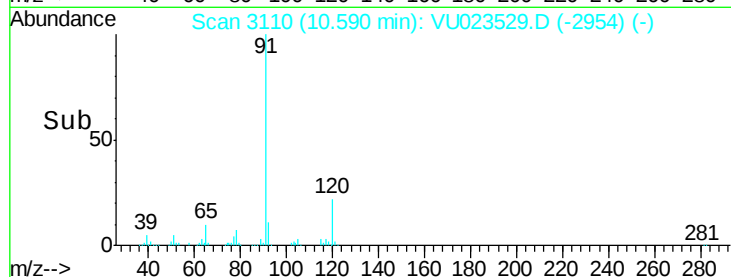
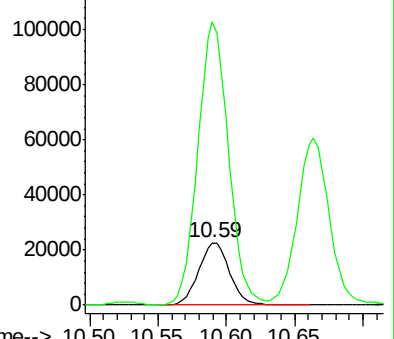
apatel

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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: 1.97 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023529.D

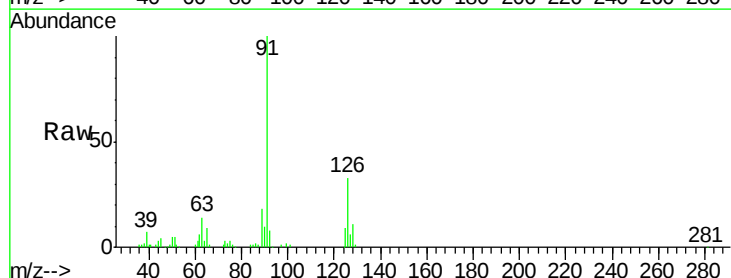
Acq: 30 Apr 2018 15:53

Tgt Ion:126 Resp: 31979

Ion Ratio Lower Upper

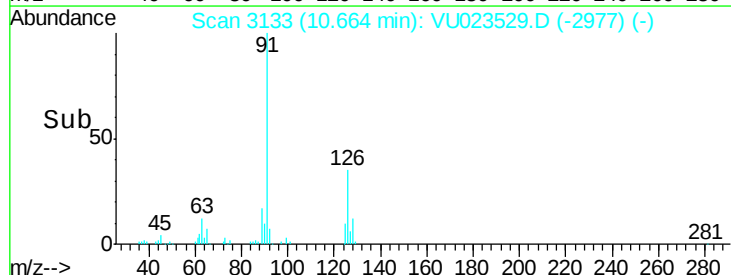
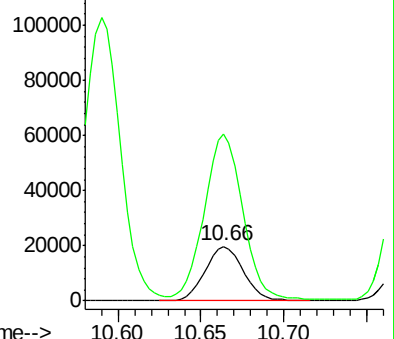
126 100

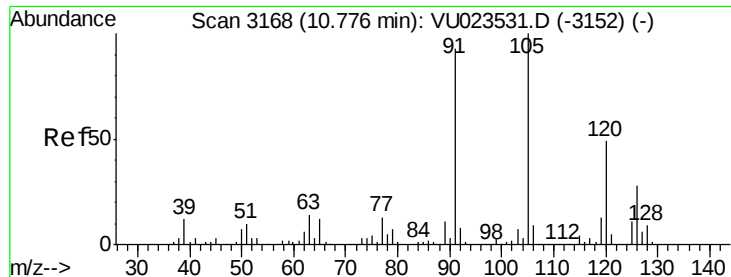
91 307.9 0.0 613.0



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: 2.03 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 110871

Ion Ratio Lower Upper

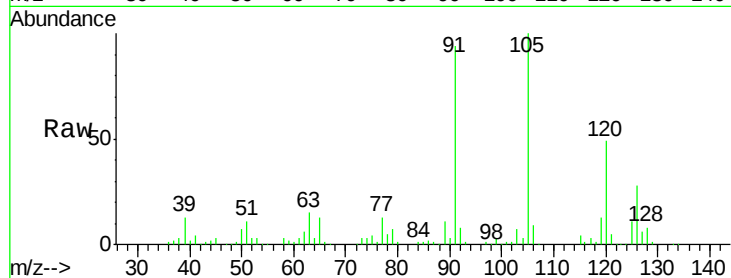
105 100

120 49.3 39.0 58.6

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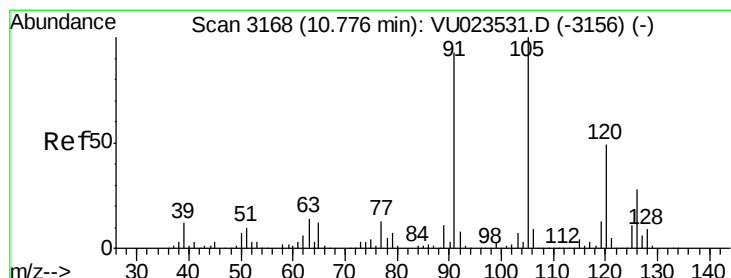
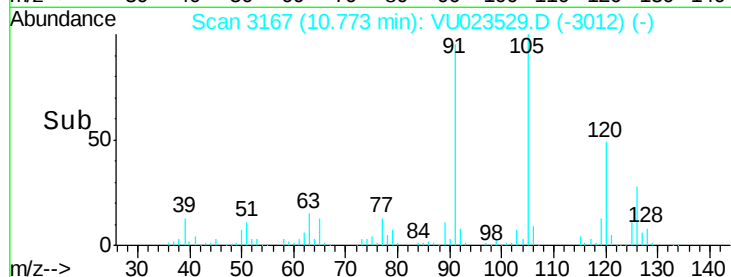
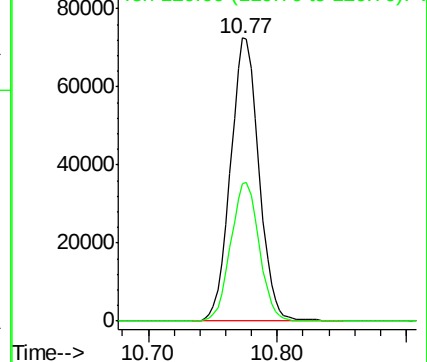
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 1.96 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023529.D

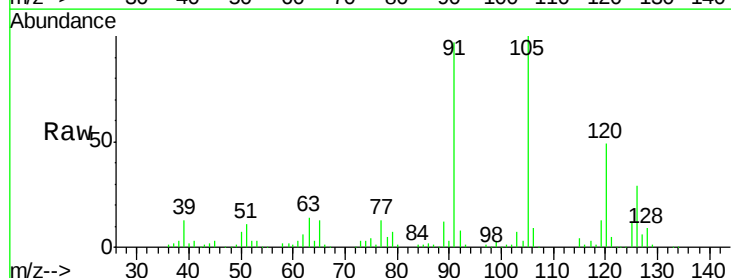
Acq: 30 Apr 2018 15:53

Tgt Ion:126 Resp: 32847

Ion Ratio Lower Upper

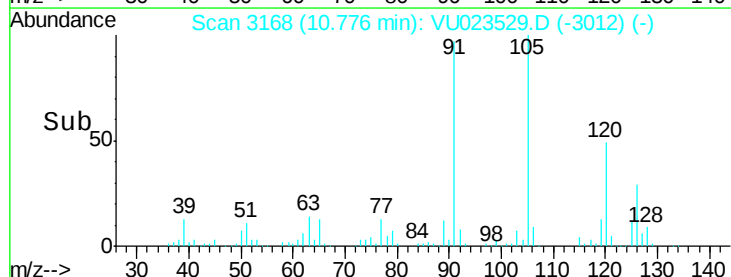
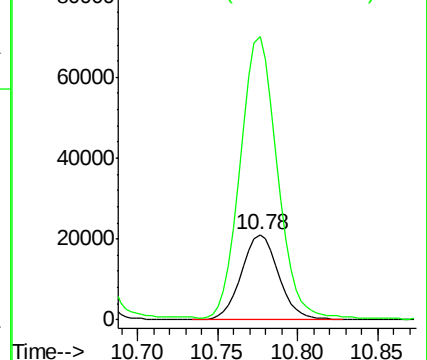
126 100

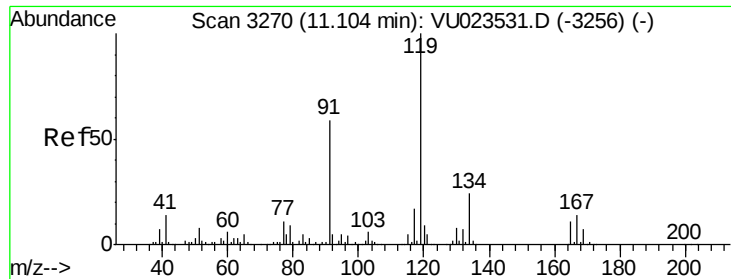
91 335.5 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





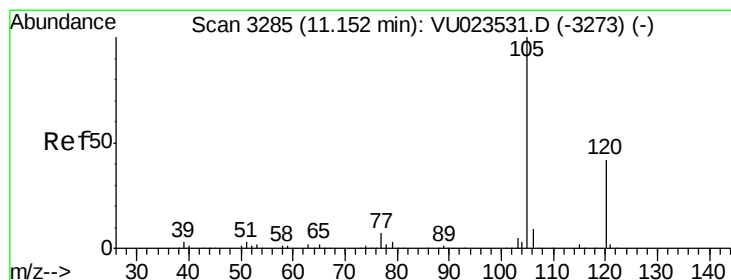
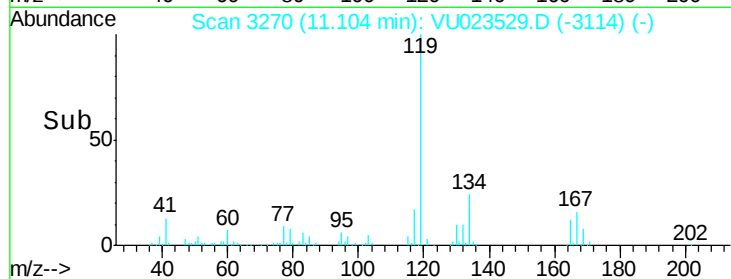
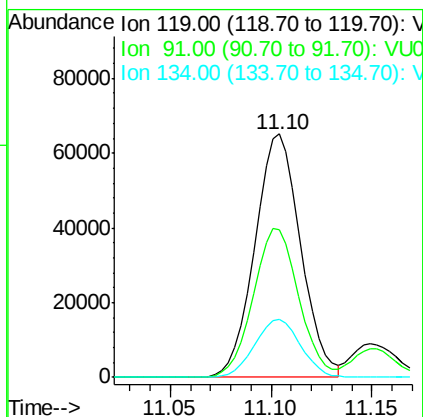
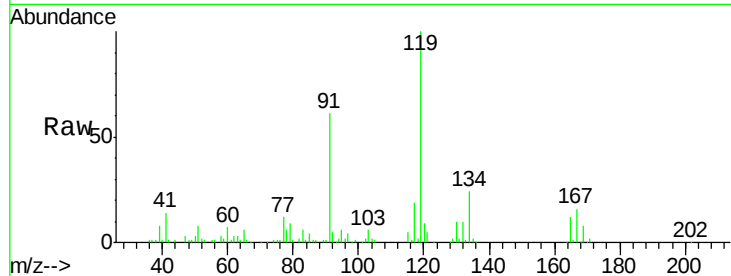
#77
 tert-Butylbenzene
 Concen: 1.99 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100			
91	61.1	29.6	88.8	
134	24.0	19.1	28.7	

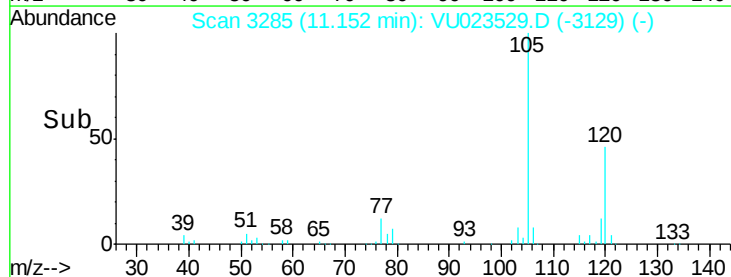
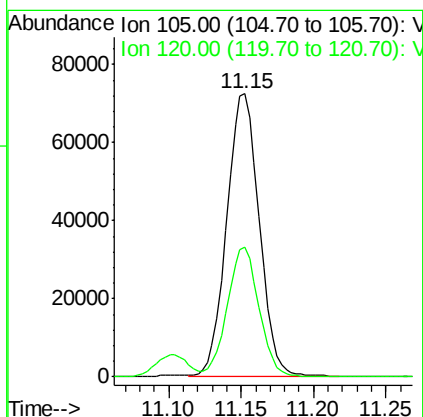
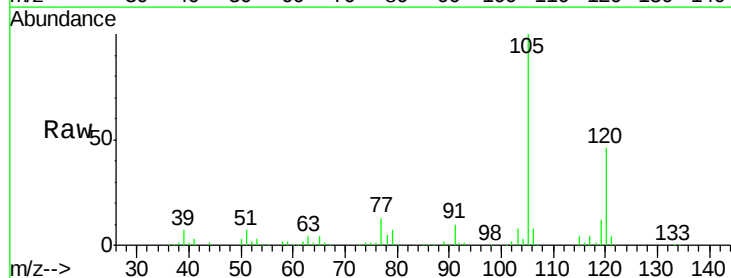
Manual Integrations
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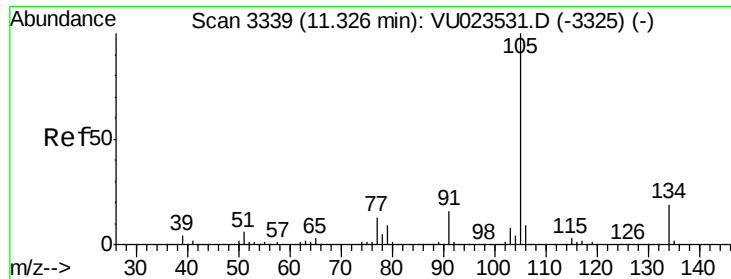
apatel
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#78
 1,2,4-Trimethylbenzene
 Concen: 1.99 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
120	45.1	23.1	69.3	





#79

sec-Butylbenzene

Concen: 2.09 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampled :

VSTDIC002

Tot Ion: 105 Resp: 146178

Ion Ratio Lower Upper

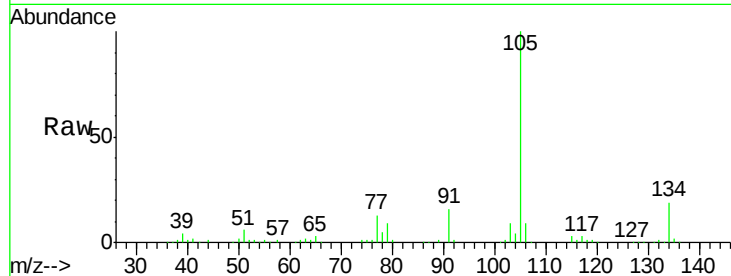
105 100

134 19.3 15.6 23.4

Manual Integrations
APPROVED

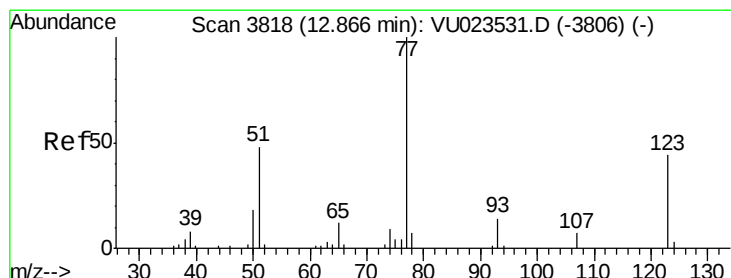
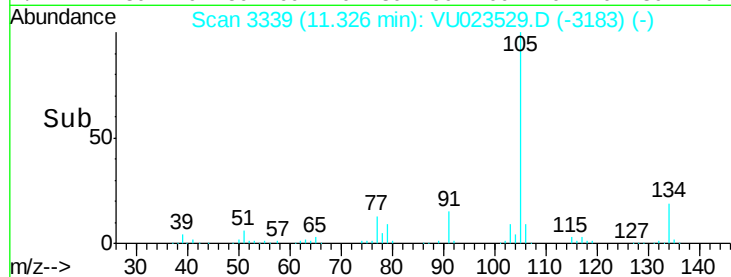
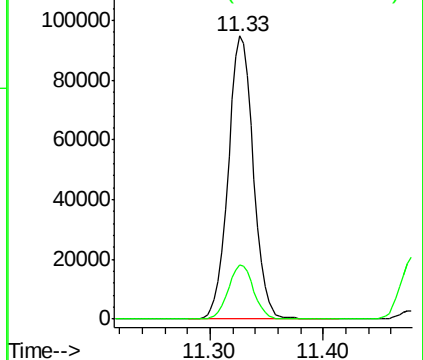
apatel

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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: 14.69 ug/l

RT: 12.87 min Scan# 3819

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

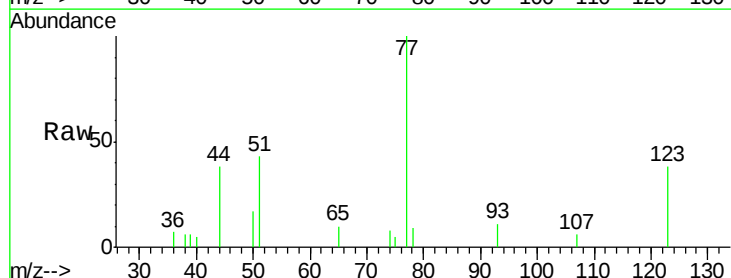
Tgt Ion: 77 Resp: 4422

Ion Ratio Lower Upper

77 100

123 38.0 19.4 68.6

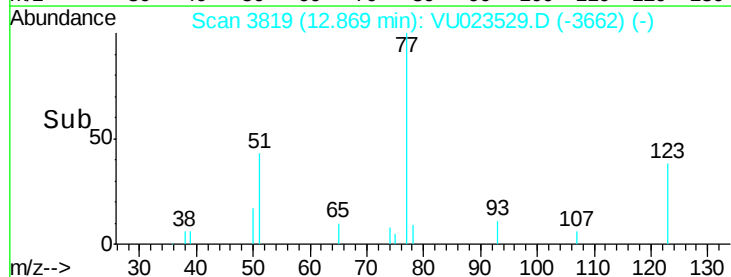
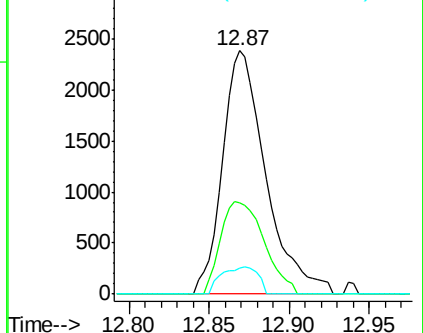
65 9.3 11.2 14.2#

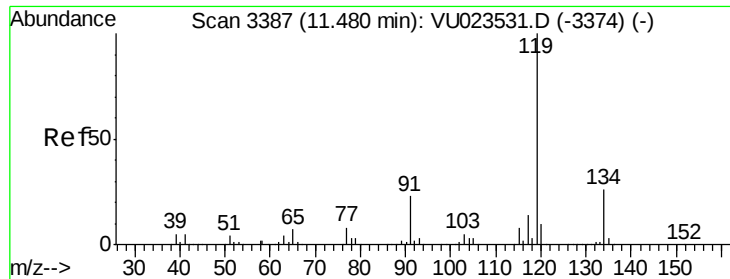


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





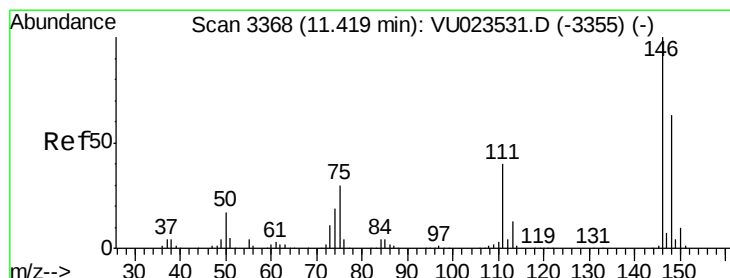
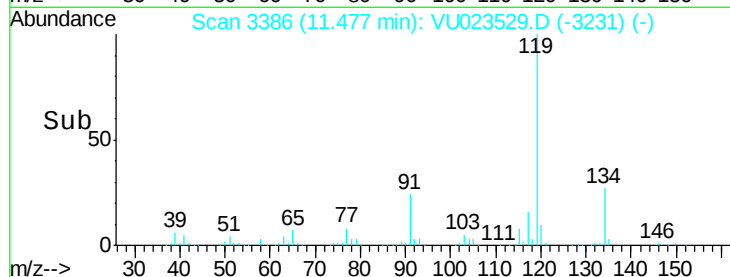
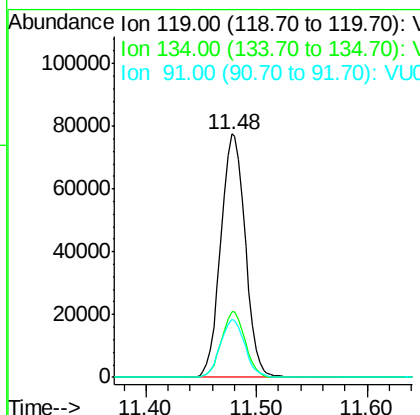
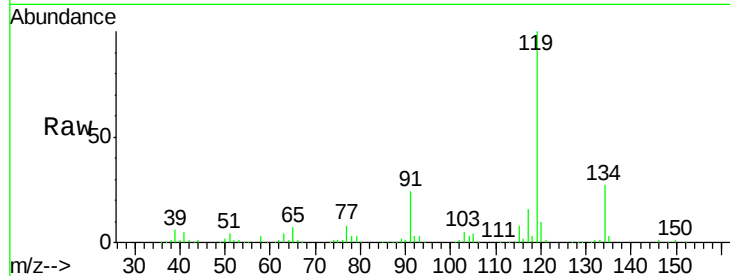
#81
 p-Isopropyltoluene
 Concen: 2.04 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119472		
134	26.1	20.9	31.3	
91	23.8	18.2	27.2	

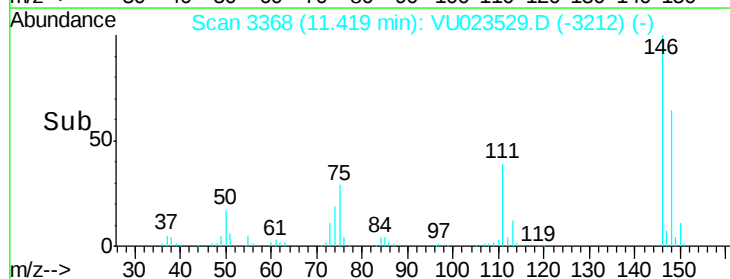
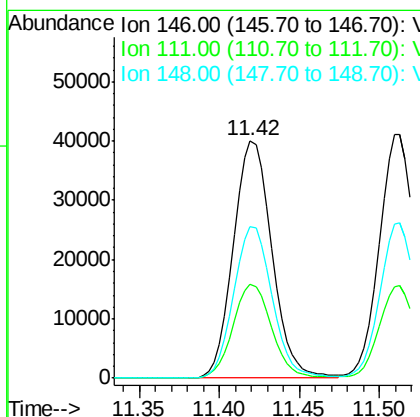
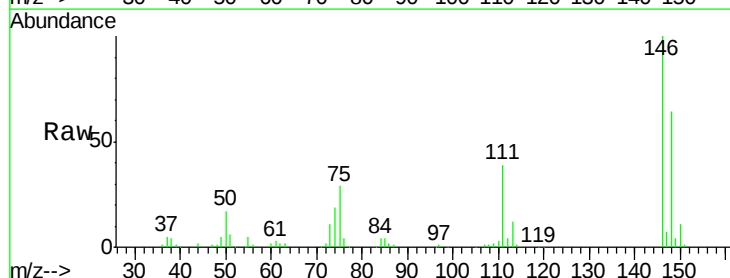
Manual Integrations
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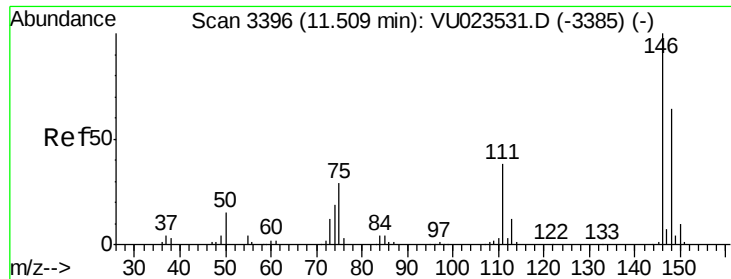
apatel
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#82
 1,3-Dichlorobenzene
 Concen: 1.97 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	65683		
111	39.6	31.8	47.6	
148	63.8	51.0	76.4	





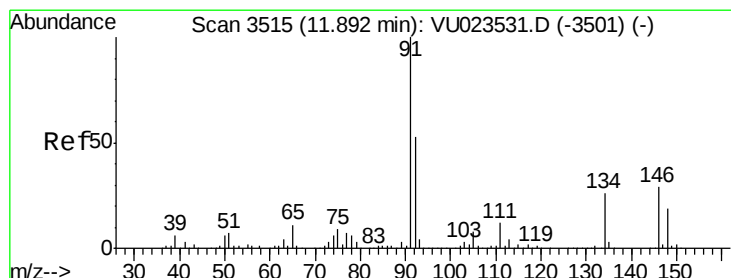
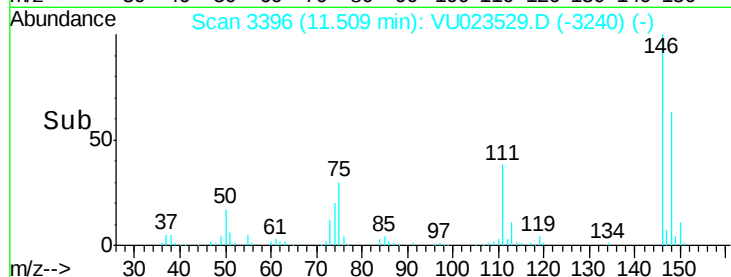
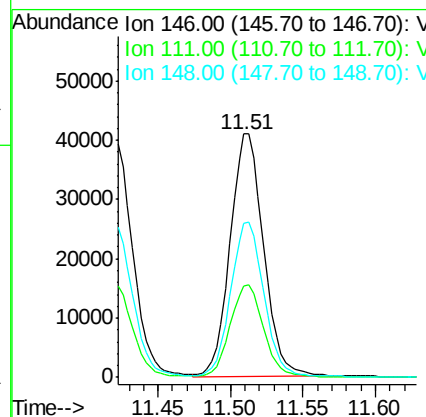
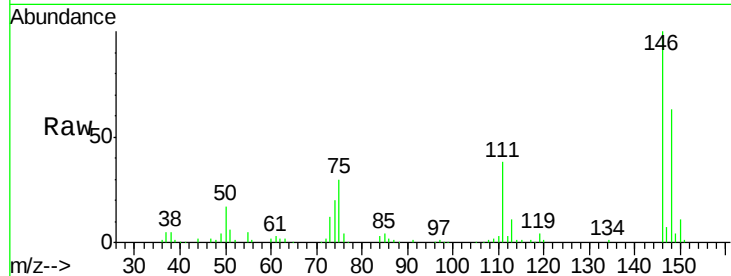
#83
 1,4-Dichlorobenzene
 Concen: 1.95 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	30.1	45.1
148	64.3	50.6	76.0

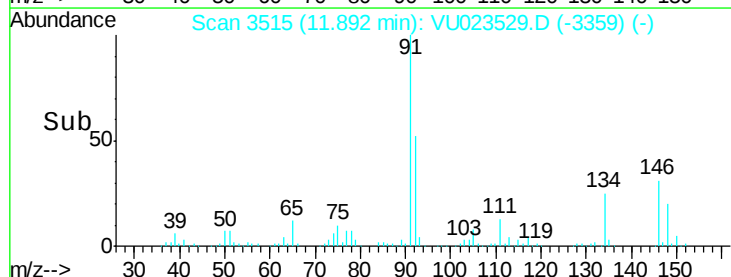
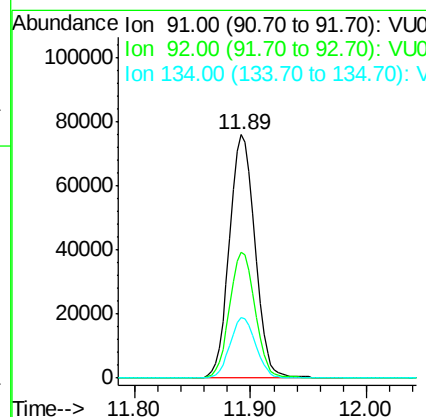
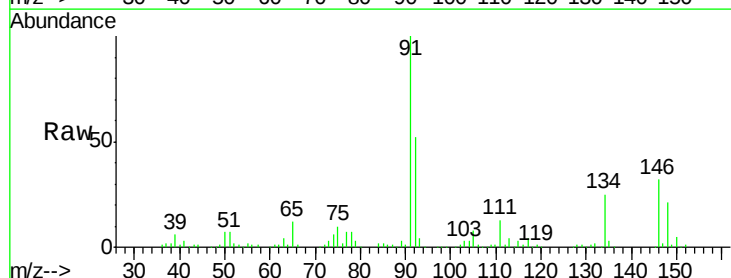
Manual Integrations
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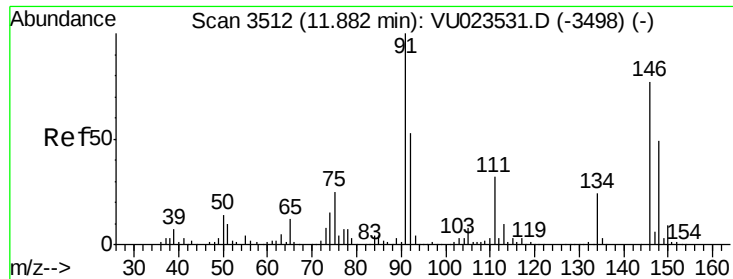
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#84
 n-Butylbenzene
 Concen: 2.08 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.2	63.2
134	24.9	20.3	30.5





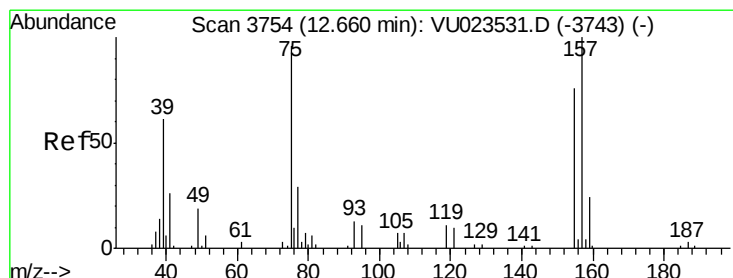
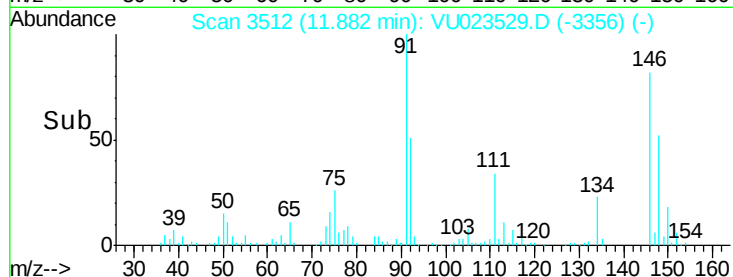
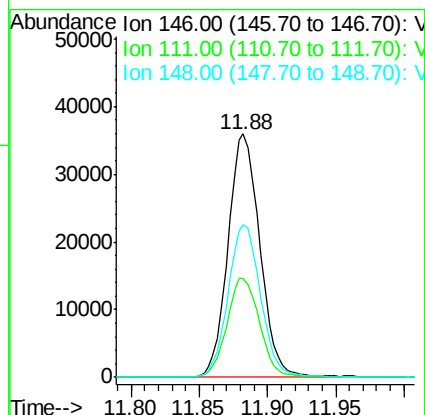
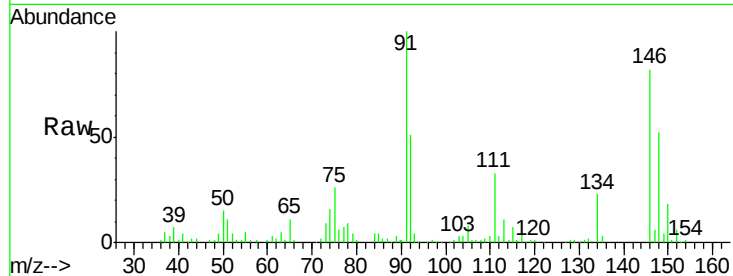
#85
 1,2-Dichlorobenzene
 Concen: 1.88 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.7	62.1
148	64.0	31.9	95.5

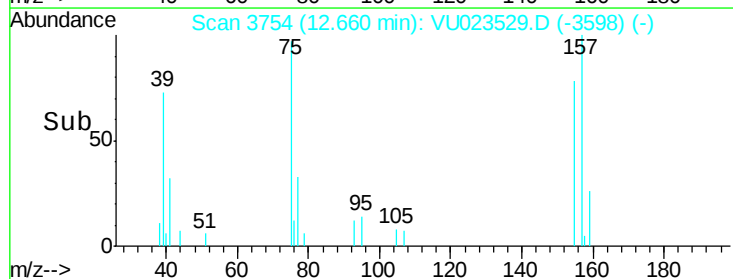
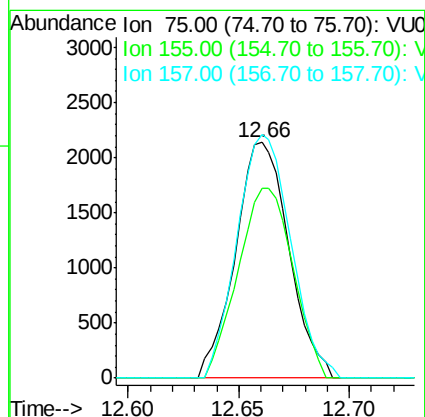
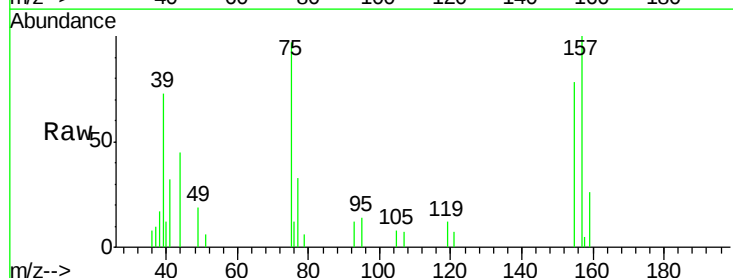
Manual Integrations
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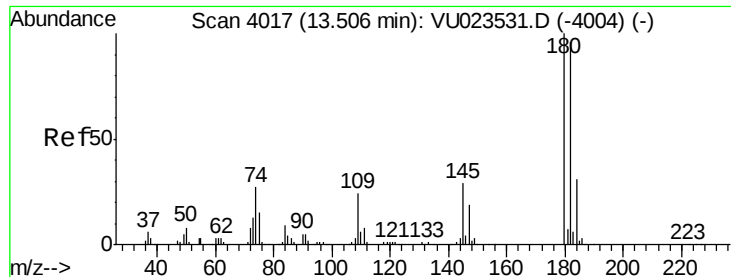
apatel
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.02 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU023529.D
 Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.3	65.8	98.6
157	103.9	83.5	125.3





#87

1,2,4-Trichlorobenzene

Concen: 1.86 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tot Ion:180 Resp: 40695

Ion Ratio Lower Upper

180 100

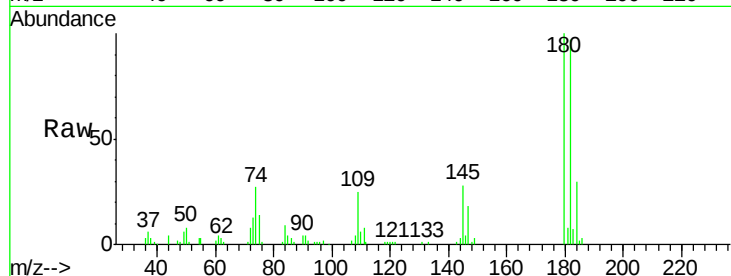
182 97.0 77.1 115.7

145 29.0 23.3 34.9

Manual Integrations
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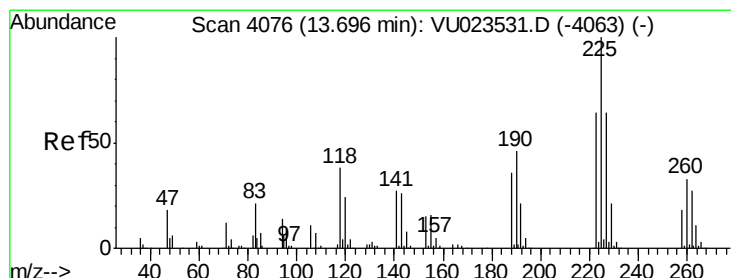
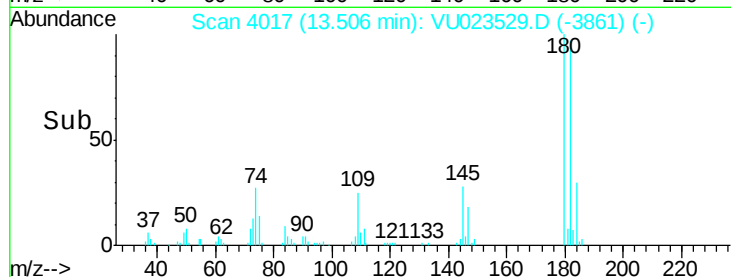
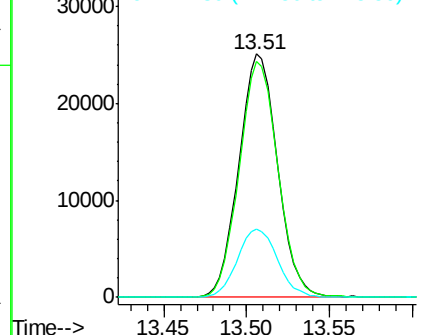
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 2.14 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU023529.D

Acq: 30 Apr 2018 15:53

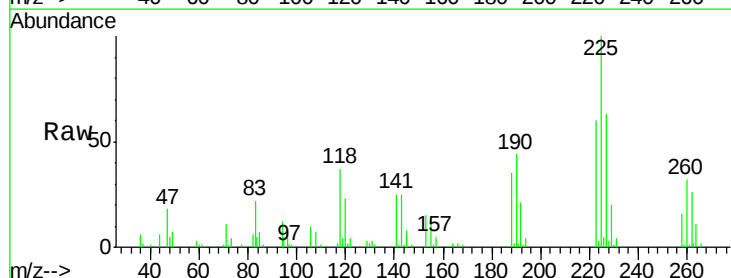
Tgt Ion:225 Resp: 25764

Ion Ratio Lower Upper

225 100

223 61.5 50.6 75.8

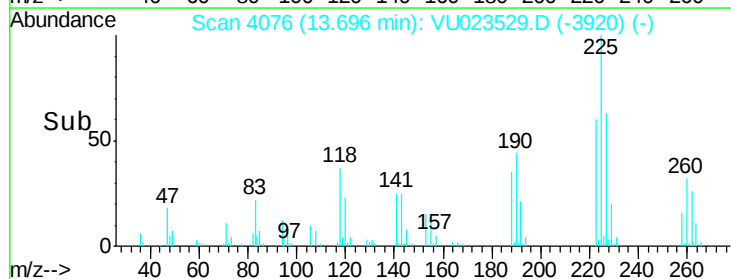
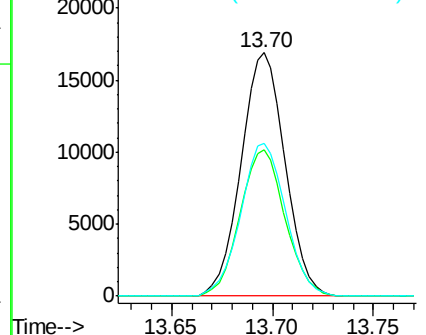
227 64.4 51.8 77.6

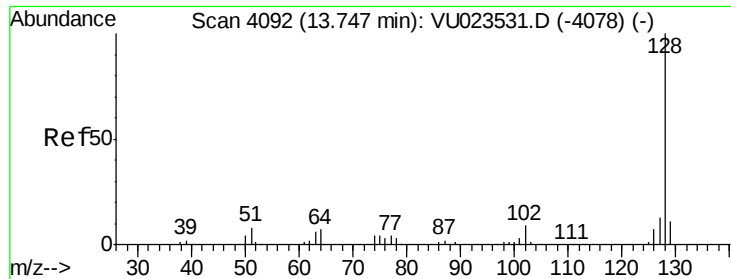


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V





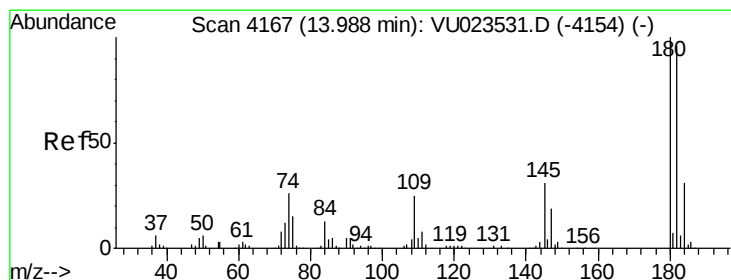
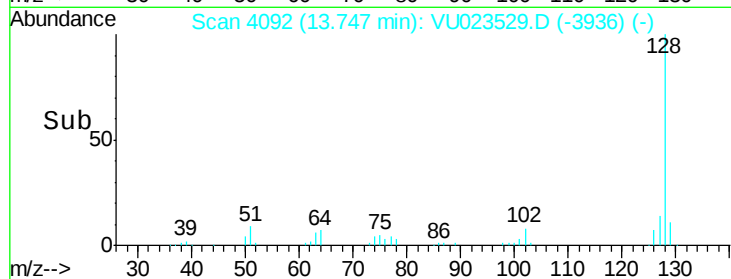
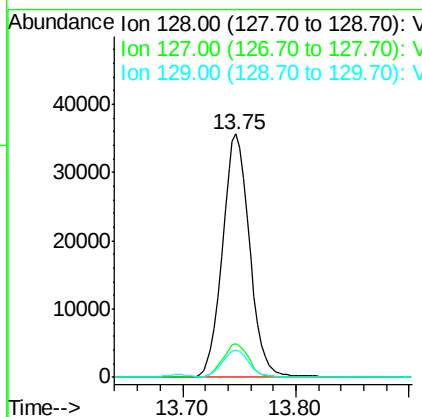
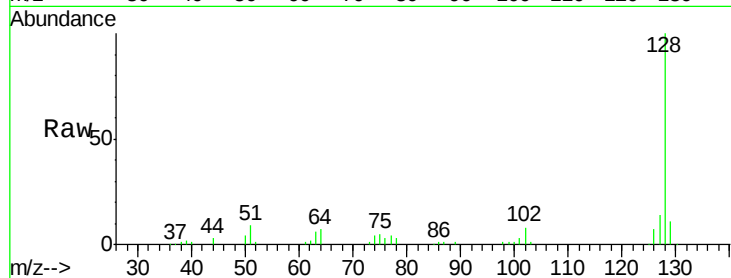
#89
Naphthalene
Concen: 1.72 ug/l
RT: 13.75 min Scan# 4092
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 1.87 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU023529.D
Acq: 30 Apr 2018 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	30.3	24.6	36.8

