

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU043018\
 Data File : VU023527.D
 Acq On : 30 Apr 2018 14:58
 Operator : MD/SY
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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 5/3/2018 4:38:59 PM

Quant Time: May 02 17:05:02 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	52305	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	15935	0.85	ug/l	0.00
Spiked Amount	1.000		Recovery	=	85.00%	
68) 1,2-Dichlorobenzene-d4	11.87	152	15246	0.83	ug/l	0.00
Spiked Amount	1.000		Recovery	=	83.00%	

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	8154	0.49	ug/l	100
3) Chloromethane	1.33	50	10789	0.52	ug/l	97
4) Vinyl Chloride	1.40	62	9235	0.49	ug/l #	74
5) Bromomethane	1.63	94	5070	0.41	ug/l	98
6) Chloroethane	1.70	64	4880	0.45	ug/l #	85
7) Trichlorofluoromethane	1.89	101	10110	0.47	ug/l	91
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	6366	0.50	ug/l	97
9) 1,1-Dichloroethene	2.29	96	6006	0.47	ug/l	94
10) Iodomethane	2.41	142	5995	0.42	ug/l	92
11) Allyl Chloride	2.60	41	10926	0.53	ug/l	95
12) Acrylonitrile	2.96	53	2150	0.74	ug/l	89
13) Acetone	2.35	43	6313	2.72	ug/l	90
14) Carbon Disulfide	2.48	76	20151	0.50	ug/l	98
15) Methylene Chloride	2.70	84	8642	0.56	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	6582	0.47	ug/l	88
17) 1,1-Dichloroethane	3.45	63	12751	0.49	ug/l	99
18) 2-Butanone	4.31	43	8580	2.42	ug/l	91
19) Cyclohexane	4.99	56	10480	0.56	ug/l	97
20) Methylcyclohexane	6.41	83	10566	0.49	ug/l	97
21) 2,2-Dichloropropane	4.23	77	10035	0.53	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	6825	0.44	ug/l	96
23) Diethyl Ether	2.11	59	4752	0.45	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	14603	0.45	ug/l	92
26) Bromochloromethane	4.56	128	2772	0.41	ug/l	97
27) Chloroform	4.68	83	12106	0.47	ug/l	97
28) 1,1,1-Trichloroethane	4.91	97	9598	0.48	ug/l	99
29) 1,1-Dichloropropene	5.14	75	9466	0.48	ug/l	96
30) Carbon Tetrachloride	5.13	117	7913	0.47	ug/l	96
31) Isopropyl Ether	3.58	45	21712	0.55	ug/l	95
32) Ethyl-t-butyl ether	4.08	59	18076	0.51	ug/l	98
33) Tert-Amyl methyl ether	5.59	73	15250	0.49	ug/l	99
34) Propionitrile	4.38	54	2443m	2.28	ug/l	
35) Benzene	5.39	78	27320	0.46	ug/l	96
36) 1,2-Dichloroethane	5.41	62	8299	0.53	ug/l #	93
37) Trichloroethene	6.19	130	7976	0.50	ug/l	92
38) 1,2-Dichloropropane	6.44	63	7419	0.49	ug/l	96
39) Methacrylonitrile	4.56	41	2720	0.61	ug/l #	91
40) Methyl acrylate	4.44	55	3620	0.54	ug/l #	82
41) Tetrahydrofuran	4.67	42	2953	1.19	ug/l	92
42) 1-Chlorobutane	5.07	56	13918	0.53	ug/l	96
43) Dibromomethane	6.57	93	3251	0.45	ug/l	99

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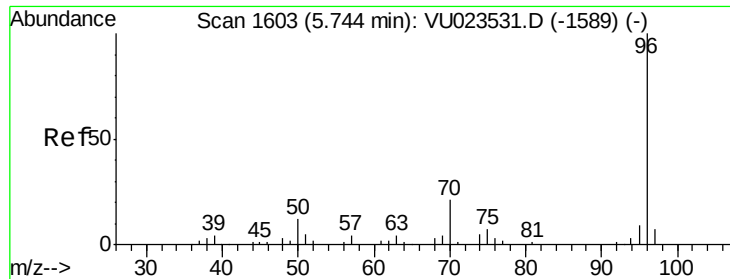
Manual Integrations
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 Quant Method : W:\HPCHEM1\MSVOA U\METHOD\524U043018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue May 01 04:31:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	6.76	83	8109	0.49	ug/l	95
45) 4-Methyl-2-Pentanone	7.48	43	17707	2.15	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	1874m	0.73	ug/l	
47) Methyl methacrylate	6.64	69	5564	0.82	ug/l	93
48) Ethyl methacrylate	8.03	69	4511	0.37	ug/l	99
49) Toluene	7.64	92	15065	0.43	ug/l	97
50) t-1,3-Dichloropropene	7.89	75	6278	0.44	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	8464	0.46	ug/l	95
52) 1,1,2-Trichloroethane	8.08	97	4823	0.46	ug/l	96
53) 1,3-Dichloropropane	8.25	76	7758	0.43	ug/l	97
54) 2-Hexanone	8.38	43	11666	2.08	ug/l	93
55) Dibromochloromethane	8.48	129	4787	0.45	ug/l	98
56) 1,2-Dibromoethane	8.59	107	3996	0.44	ug/l	92
58) Tetrachloroethene	8.23	164	6702	0.48	ug/l	98
59) Chlorobenzene	9.13	112	16374	0.43	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.21	131	5949	0.46	ug/l	94
61) Pentachloroethane	11.10	117	4174	0.45	ug/l	91
62) Hexachloroethane	12.15	117	4129	0.49	ug/l	94
63) Ethyl Benzene	9.26	91	25295	0.40	ug/l	99
64) m/p-Xylenes	9.38	106	18977	0.78	ug/l	99
65) o-Xylene	9.79	106	9036	0.38	ug/l	96
66) Styrene	9.80	104	14301	0.36	ug/l	99
67) Bromoform	9.96	173	2480	0.43	ug/l #	95
69) Isopropylbenzene	10.17	105	23784	0.40	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	4987	0.40	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	3313	0.36	ug/l #	98
72) Bromobenzene	10.46	156	6281	0.39	ug/l	89
73) n-propylbenzene	10.59	120	6299	0.38	ug/l	93
74) 2-Chlorotoluene	10.66	126	5994	0.39	ug/l	96
75) 1,3,5-Trimethylbenzene	10.78	105	18478	0.36	ug/l	100
76) 4-Chlorotoluene	10.78	126	6126	0.39	ug/l	99
77) tert-Butylbenzene	11.10	119	19173	0.39	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	19035	0.36	ug/l	97
79) sec-Butylbenzene	11.33	105	25358	0.39	ug/l	98
80) Nitrobenzene	12.88	77	547	1.94	ug/l #	81
81) p-Isopropyltoluene	11.48	119	20145	0.37	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	13035	0.42	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	12661	0.40	ug/l	98
84) n-Butylbenzene	11.90	91	19630	0.38	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	11642	0.40	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	761	0.45	ug/l	87
87) 1,2,4-Trichlorobenzene	13.51	180	8336	0.41	ug/l	96
88) Hexachlorobutadiene	13.70	225	5108	0.45	ug/l	97
89) Naphthalene	13.75	128	10310	0.32	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	7856	0.40	ug/l	94

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VU023527.D

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Instrument :

MSVOA_U

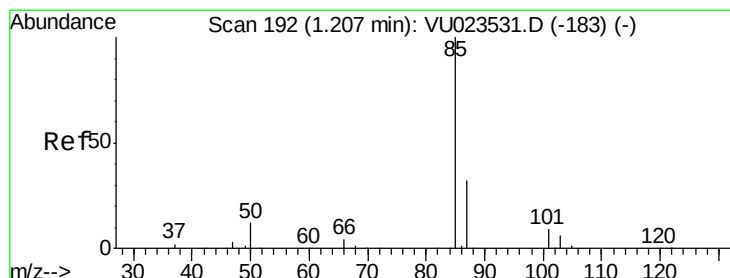
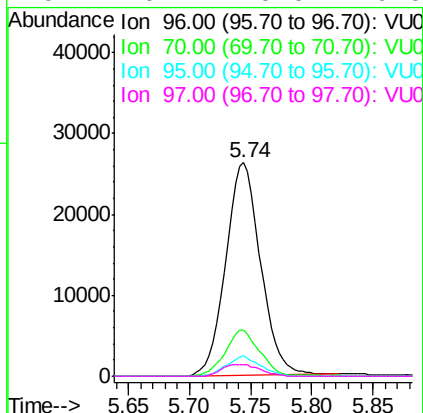
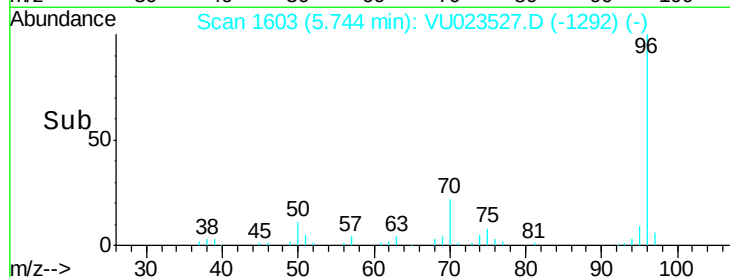
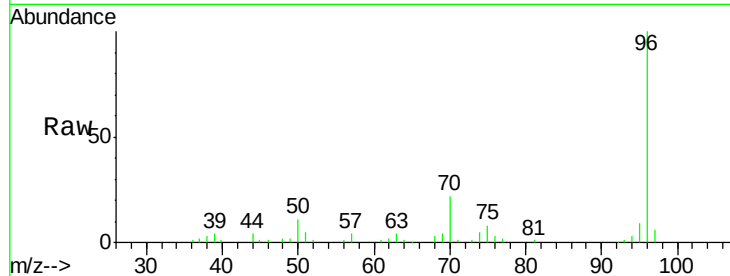
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	21.6	16.2	24.4	
95	9.1	6.9	10.3	
97	6.2	0.0	0.0	

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#2

Dichlorodifluoromethane

Concen: 0.49 ug/l

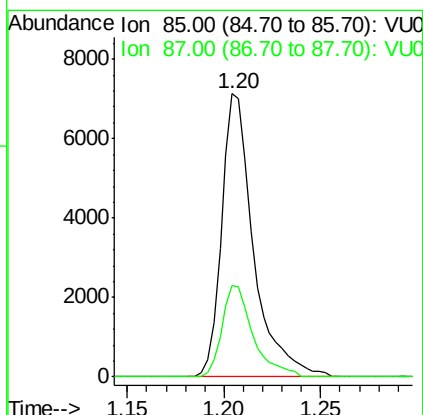
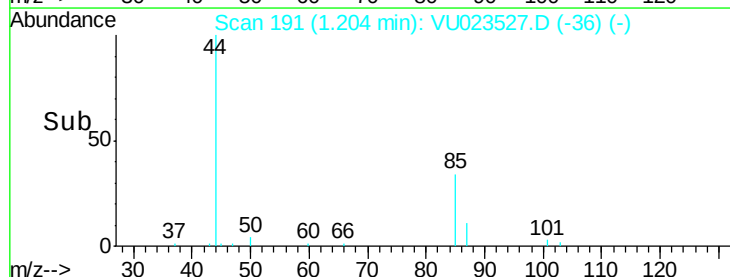
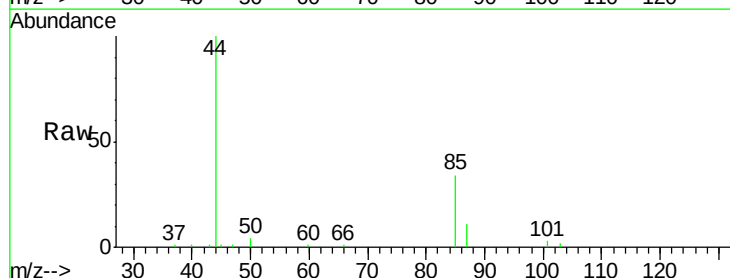
RT: 1.20 min Scan# 191

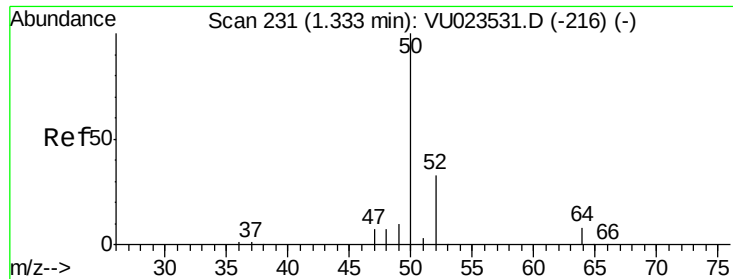
Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.4	16.2	48.5	





#3

Chloromethane

Concen: 0.52 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 10789

Ion Ratio Lower Upper

50 100

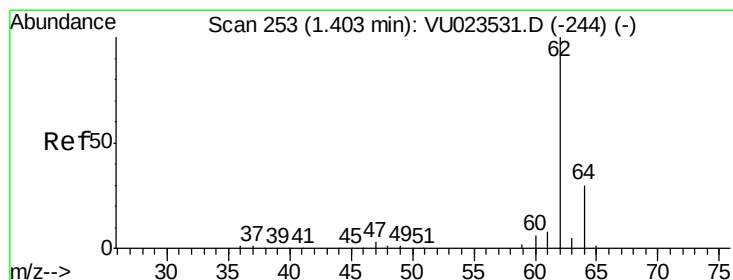
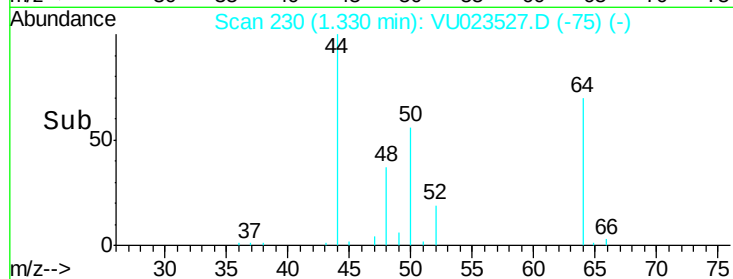
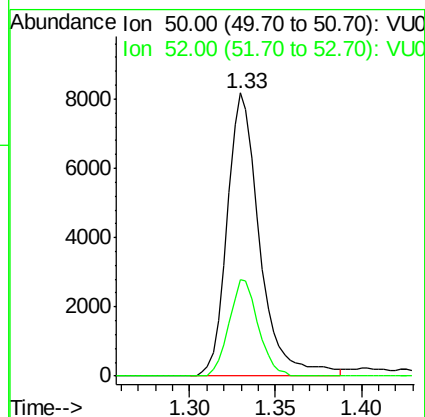
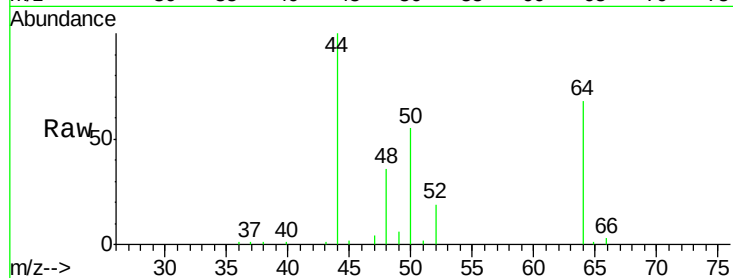
52 33.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 0.49 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023527.D

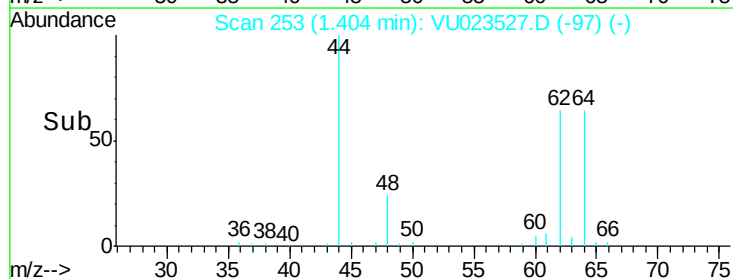
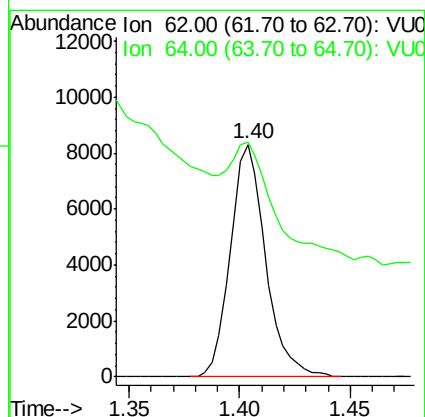
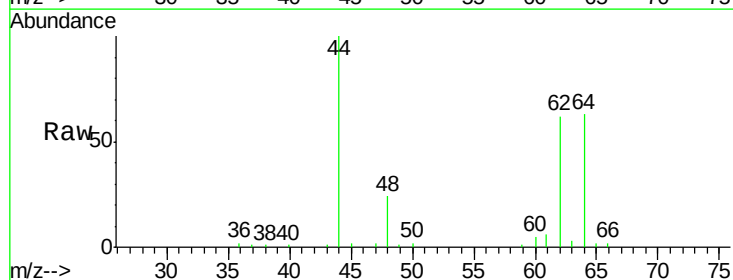
Acq: 30 Apr 2018 14:58

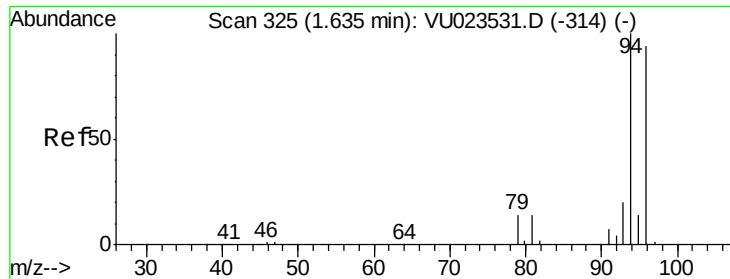
Tgt Ion: 62 Resp: 9235

Ion Ratio Lower Upper

62 100

64 47.1 25.8 38.8#





#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.63 min Scan# 324

Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 5070

Ion Ratio Lower Upper

94 100

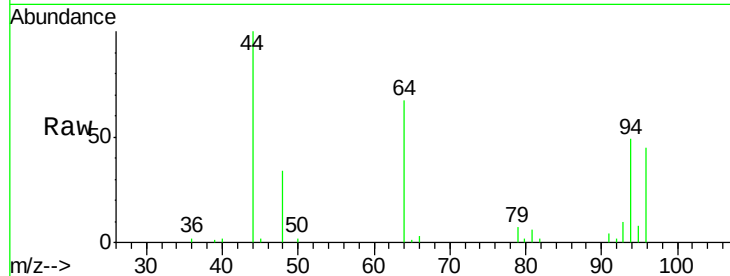
96 92.2 75.1 112.7

Manual Integrations

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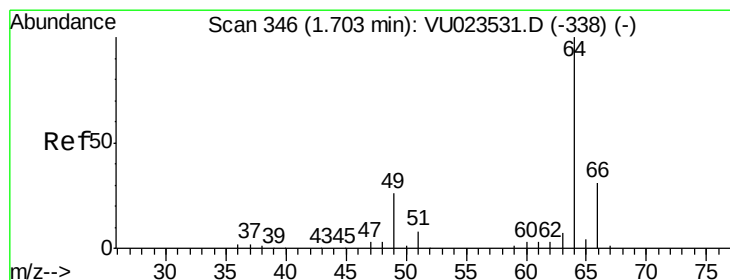
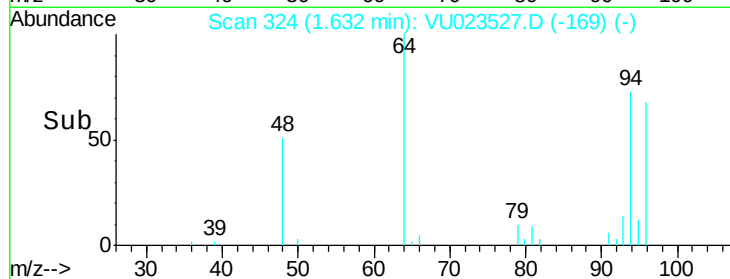
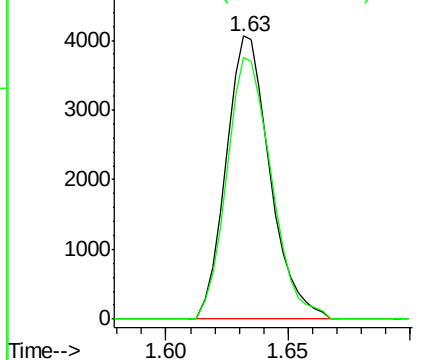
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 0.45 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU023527.D

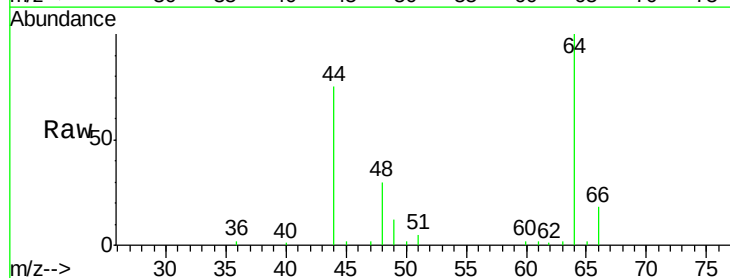
Acq: 30 Apr 2018 14:58

Tgt Ion: 64 Resp: 4880

Ion Ratio Lower Upper

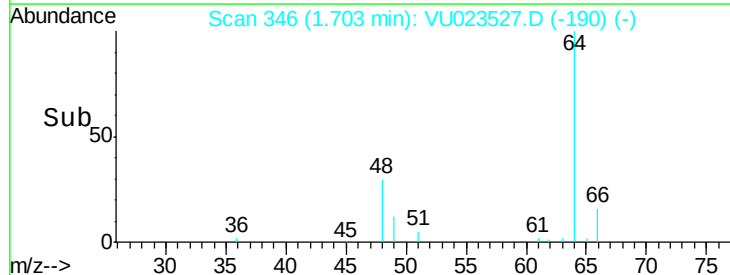
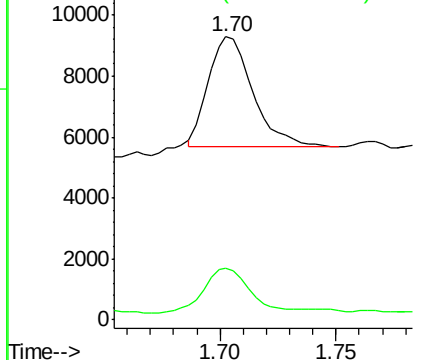
64 100

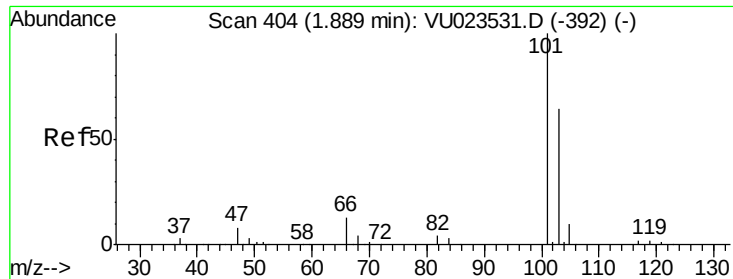
66 39.3 24.9 37.3#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 0.47 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:101 Resp: 10110

Ion Ratio Lower Upper

101 100

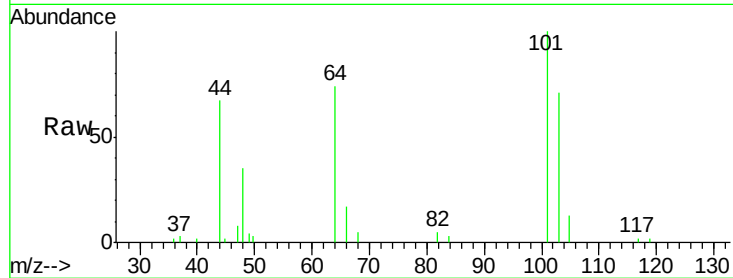
103 71.0 51.4 77.0

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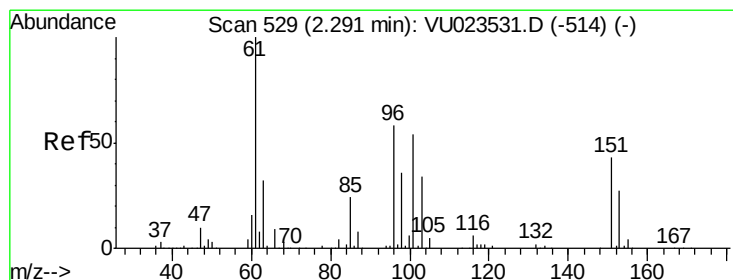
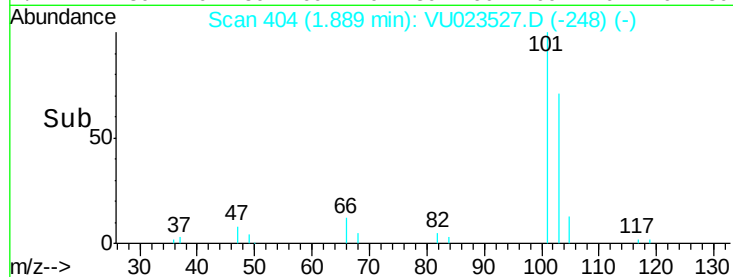
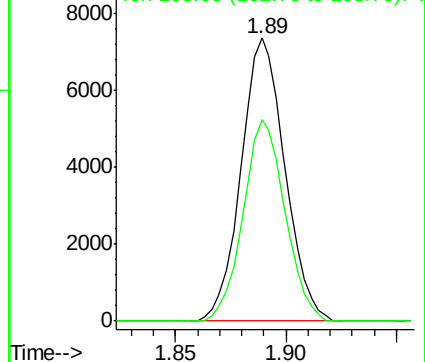
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 0.50 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

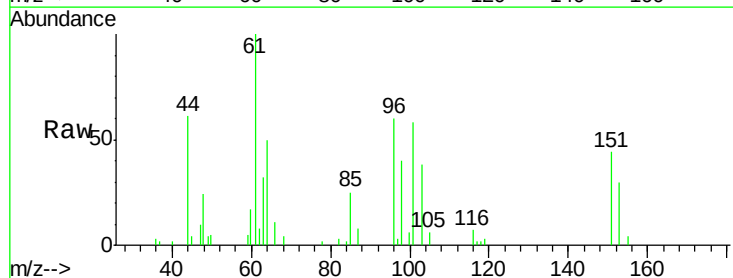
Tgt Ion:101 Resp: 6366

Ion Ratio Lower Upper

101 100

85 41.6 35.2 52.8

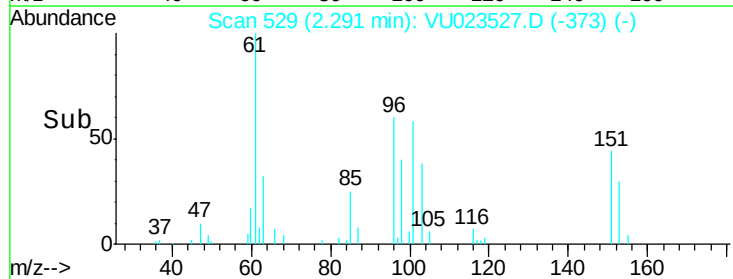
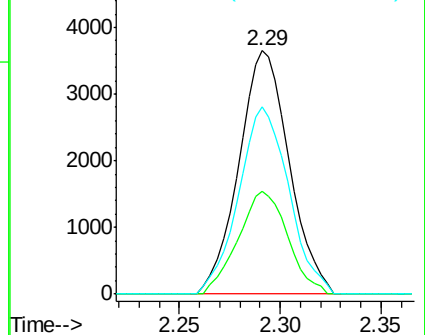
151 76.8 63.5 95.3

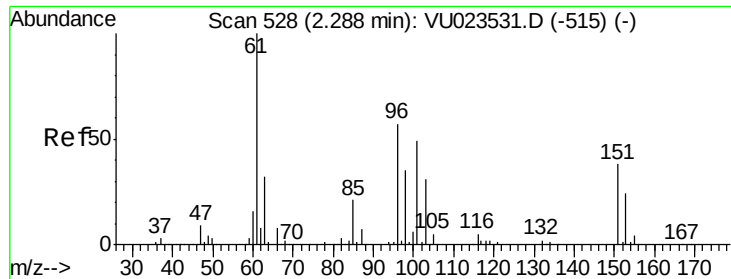


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 0.47 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

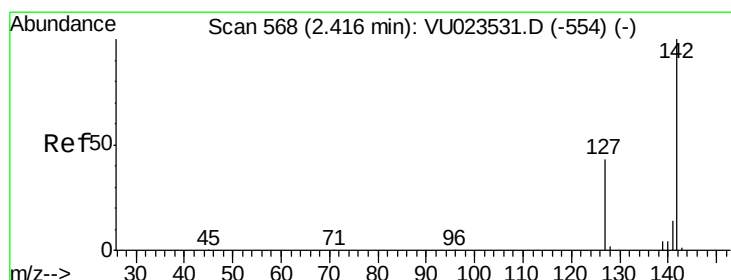
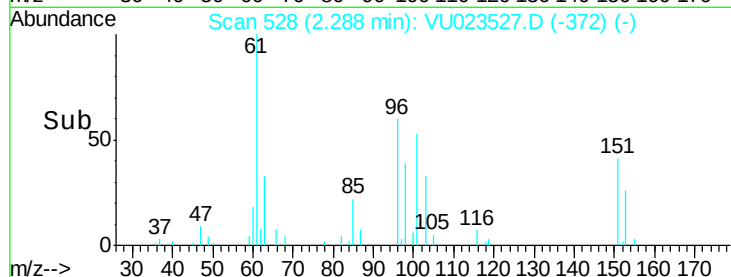
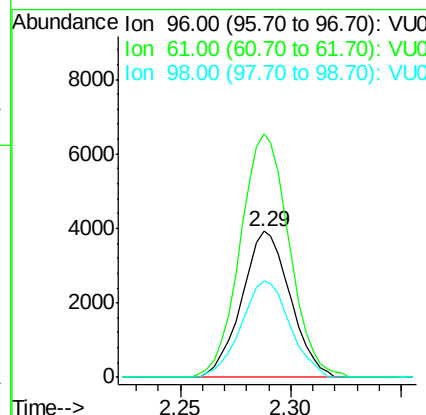
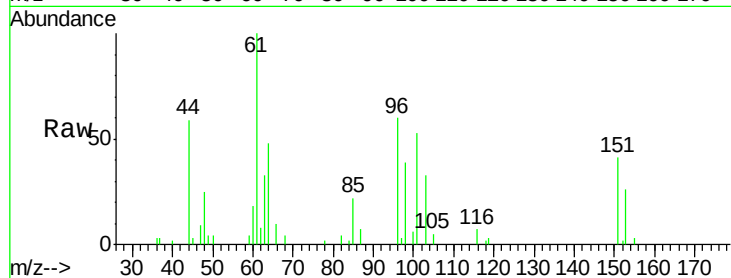
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	6006
Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	526.5
98	65.8	0.0	123.4

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#10

Iodomethane

Concen: 0.42 ug/l

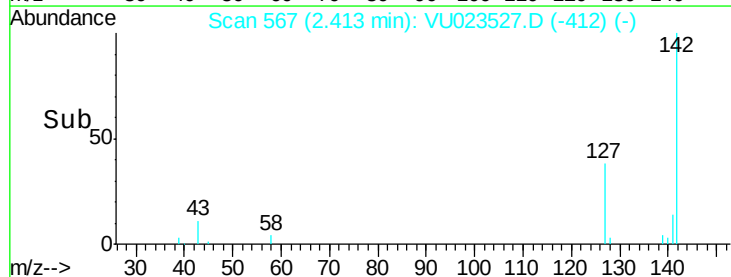
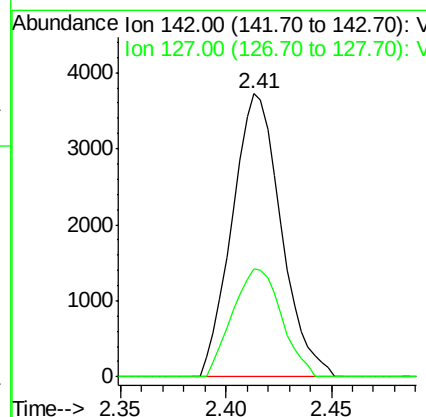
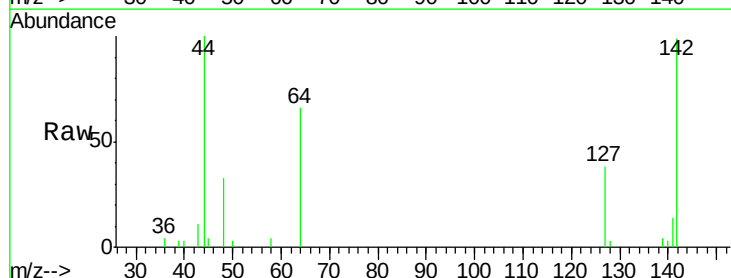
RT: 2.41 min Scan# 567

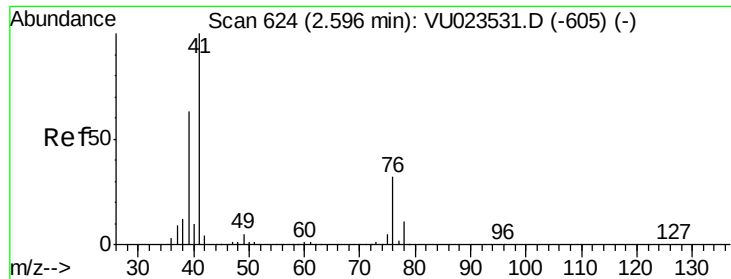
Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	142	Resp:	5995
Ion	Ratio	Lower	Upper
142	100		
127	38.1	34.5	51.7





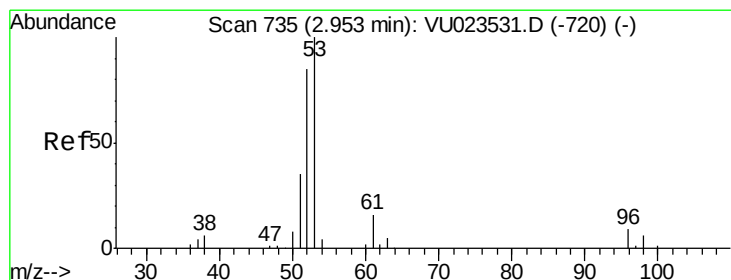
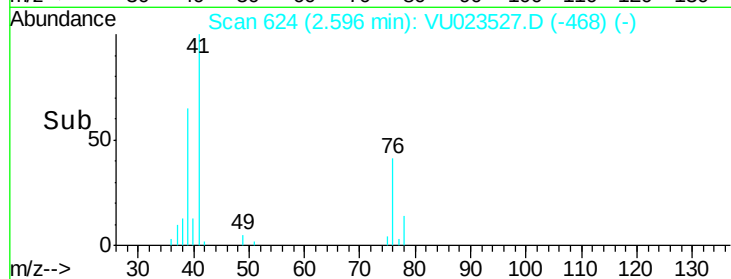
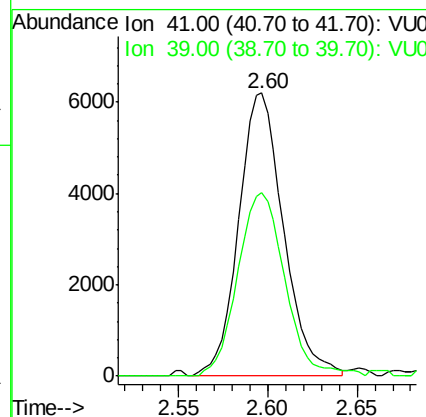
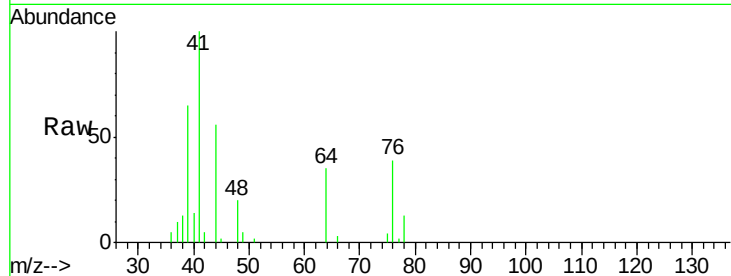
#11
Allvl Chloride
Concen: 0.53 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 41 Resp: 10926
Ion Ratio Lower Upper
41 100
39 67.9 51.4 77.2

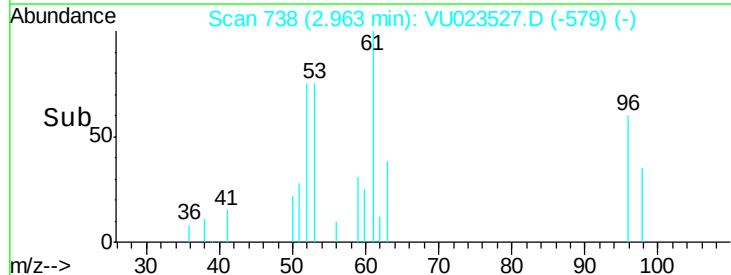
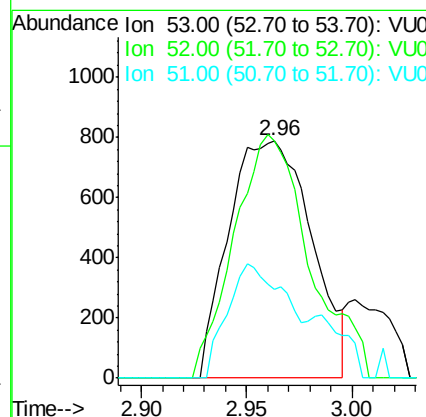
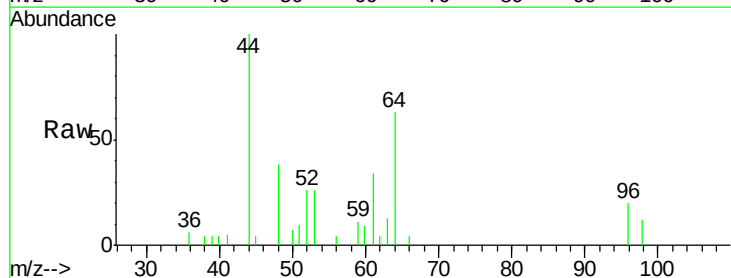
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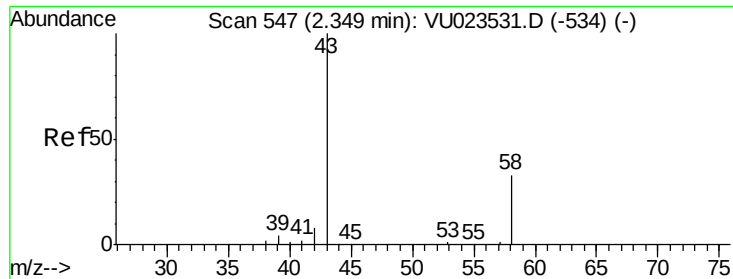
apatel
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#12
Acrylonitrile
Concen: 0.74 ug/l
RT: 2.96 min Scan# 738
Delta R.T. 0.01 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion: 53 Resp: 2150
Ion Ratio Lower Upper
53 100
52 93.7 65.1 97.7
51 34.0 30.2 45.4





#13

Acetone

Concen: 2.72 ug/l

RT: 2.35 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 6313

Ion Ratio Lower Upper

43 100

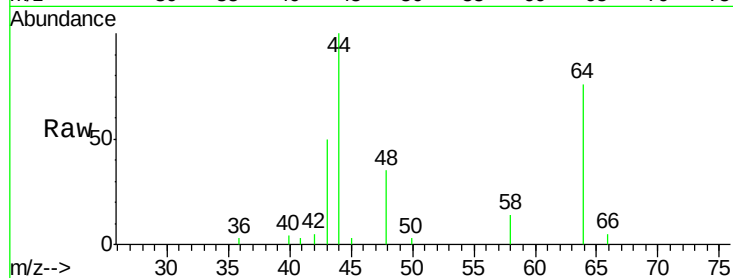
58 27.1 26.0 39.0

Manual Integrations

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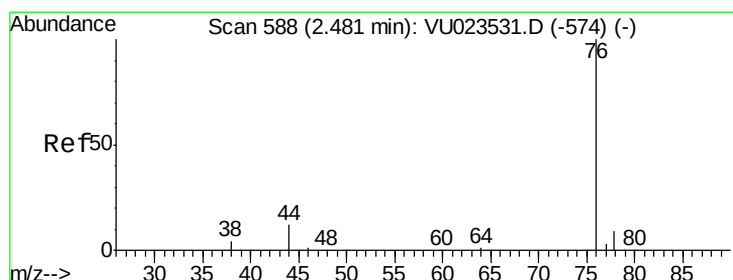
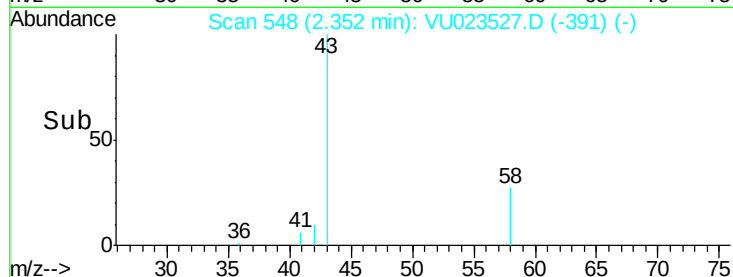
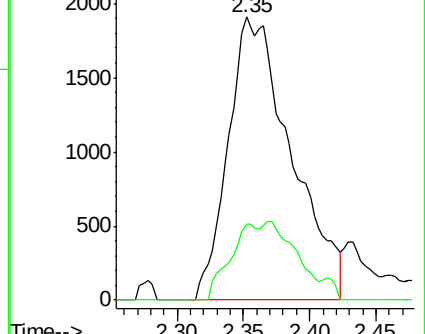
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 0.50 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023527.D

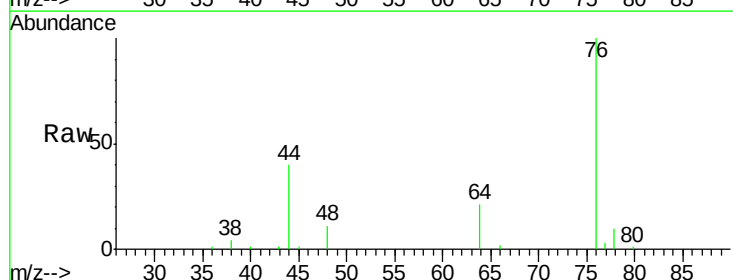
Acq: 30 Apr 2018 14:58

Tgt Ion: 76 Resp: 20151

Ion Ratio Lower Upper

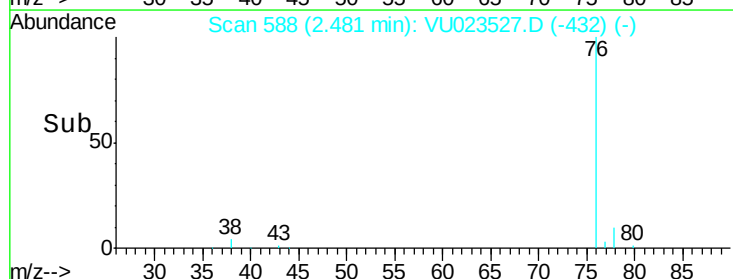
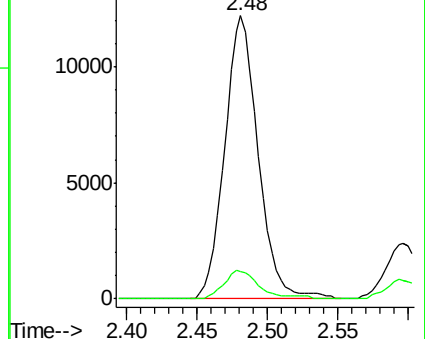
76 100

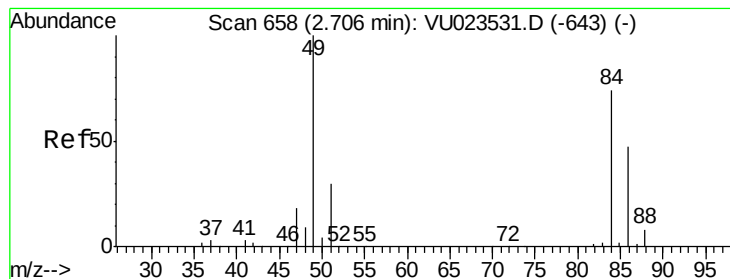
78 9.8 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#15

Methylene Chloride

Concen: 0.56 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 84 Resp: 8642

Ion Ratio Lower Upper

84 100

49 143.9 108.7 163.1

51 44.6 0.0 82.4

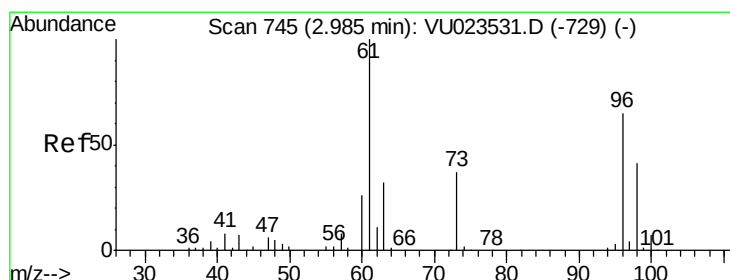
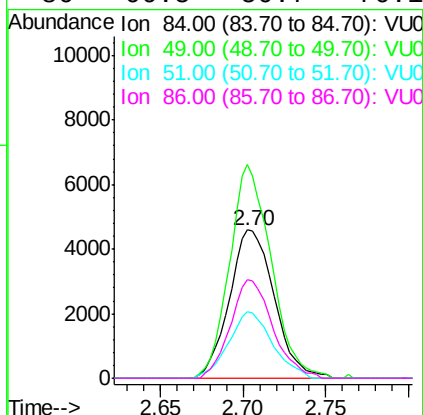
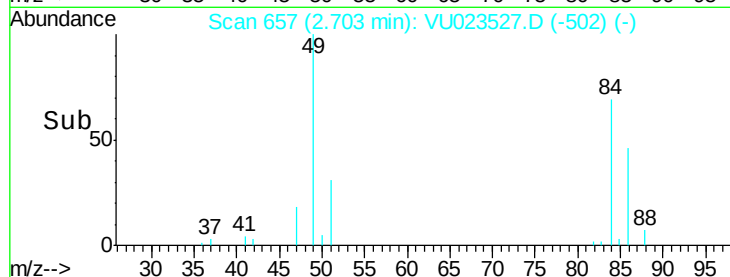
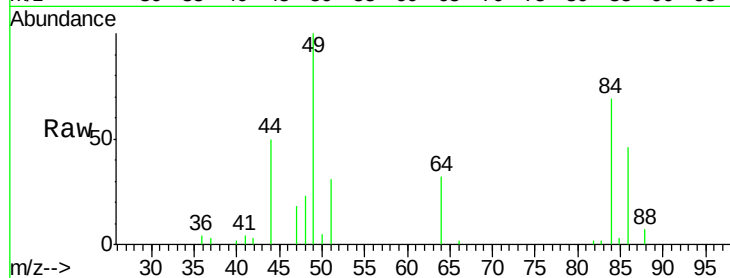
86 66.5 50.7 76.1

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#16

trans-1,2-Dichloroethene

Concen: 0.47 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

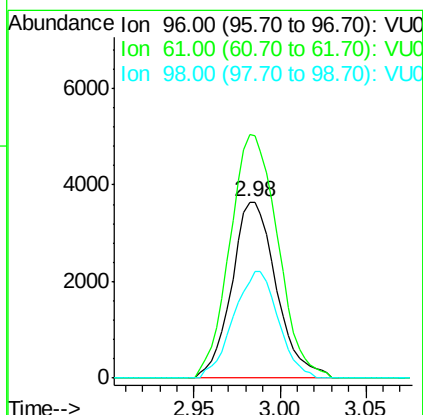
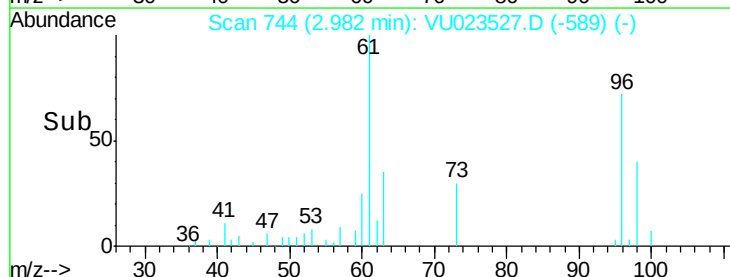
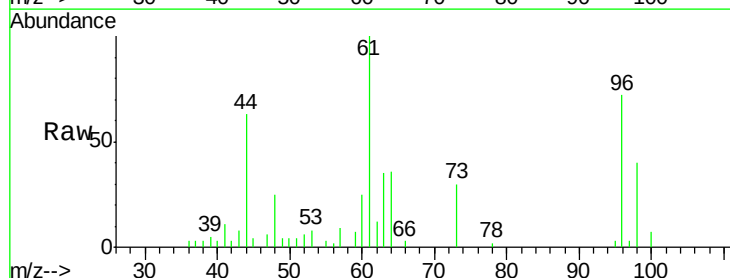
Tgt Ion: 96 Resp: 6582

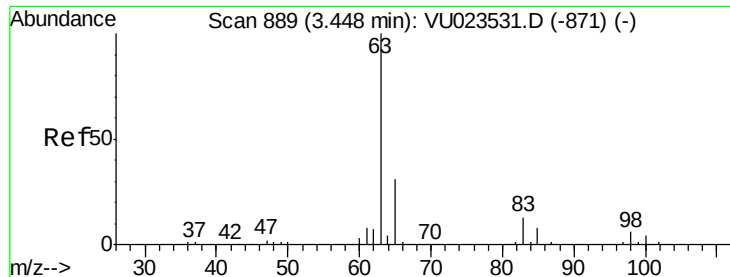
Ion Ratio Lower Upper

96 100

61 138.2 123.9 185.9

98 54.7 50.6 76.0





#17

1,1-Dichloroethane

Concen: 0.49 ug/l

RT: 3.45 min Scan# 890

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

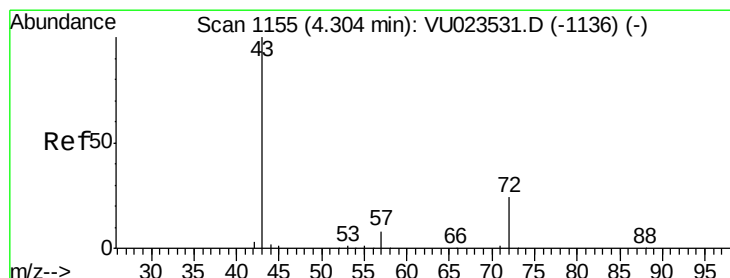
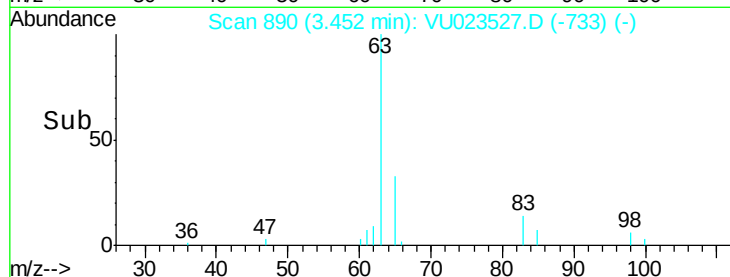
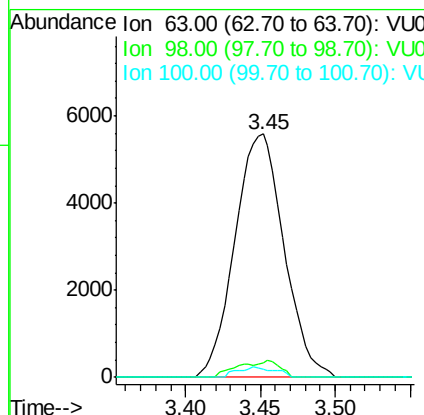
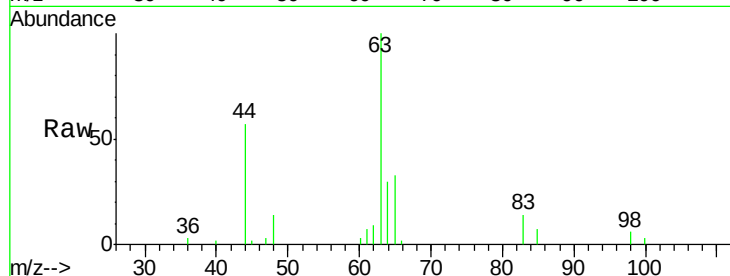
ClientSampleId :

VSTDIC0.5

Tot Ion:	63	Resp:	12751
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.9	8.8
100	3.2	2.0	5.8

Manual Integrations
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#18

2-Butanone

Concen: 2.42 ug/l

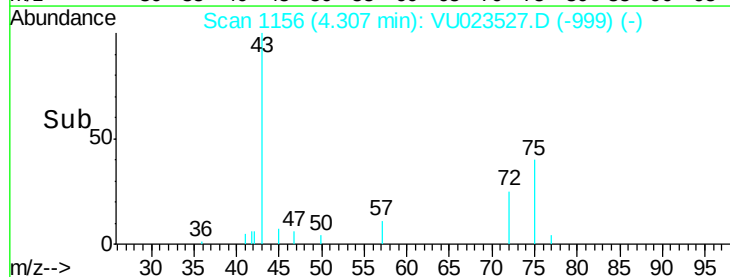
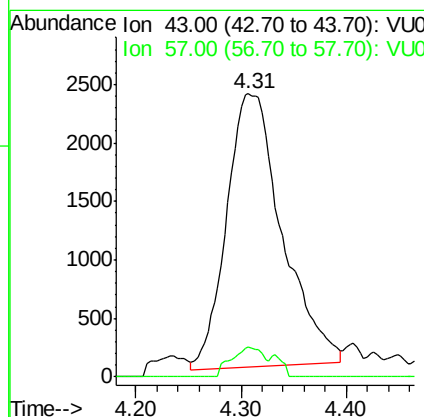
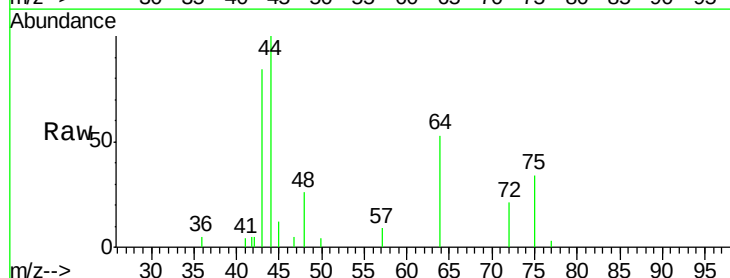
RT: 4.31 min Scan# 1156

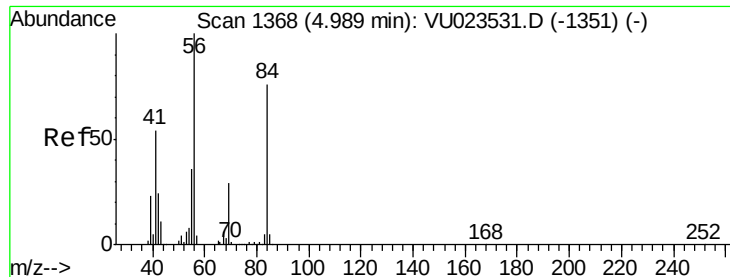
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	43	Resp:	8580
Ion	Ratio	Lower	Upper
43	100		
57	11.2	0.0	15.8





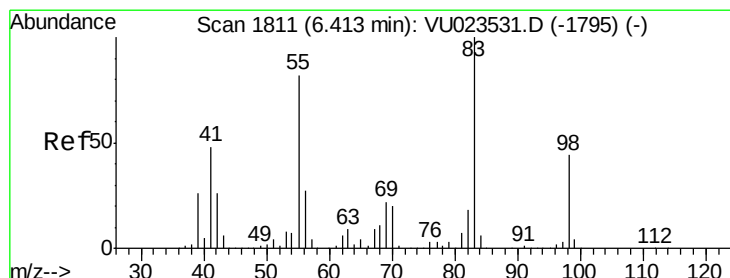
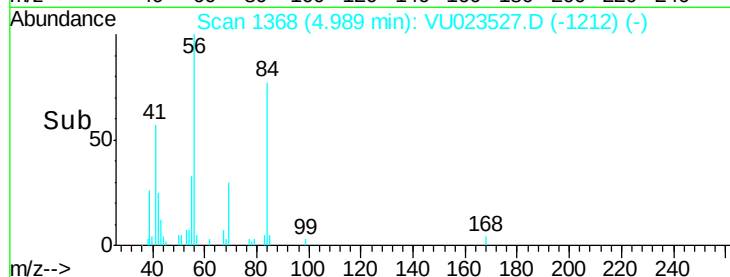
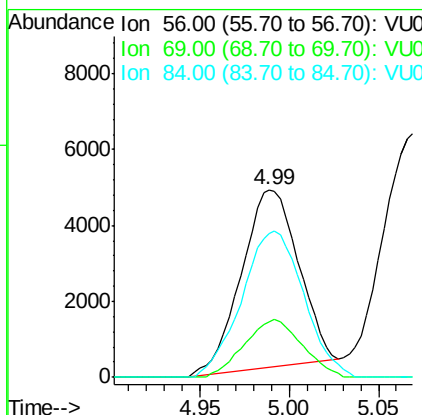
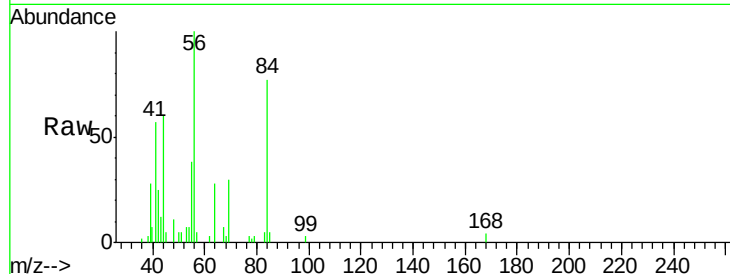
#19
Cyclohexane
Concen: 0.56 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	56	Resp	10480
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.0	39.0
84	89.2	68.3	102.5

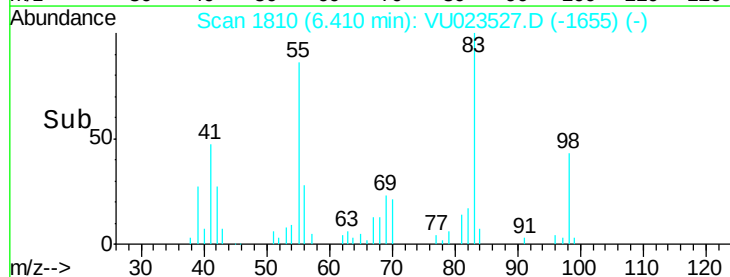
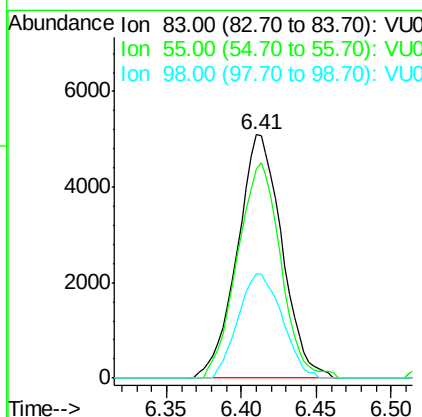
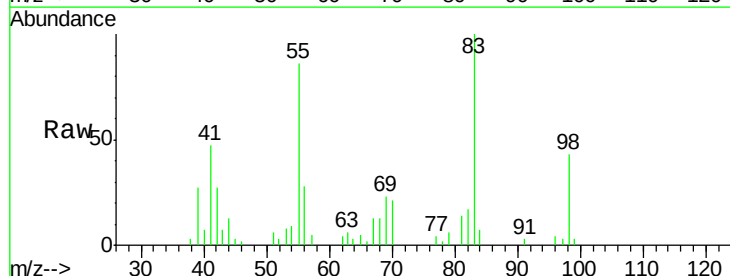
Manual Integrations
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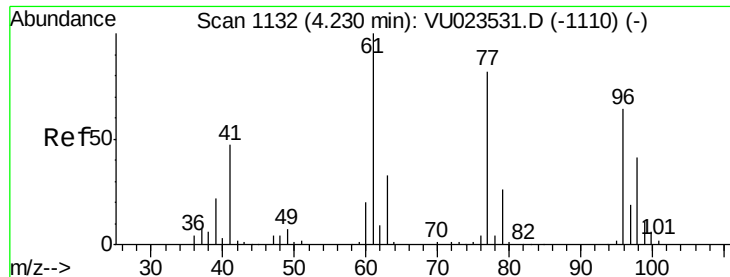
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#20
Methylcyclohexane
Concen: 0.49 ug/l
RT: 6.41 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	83	Resp	10566
Ion Ratio	Lower	Upper	
83	100		
55	86.1	66.4	99.6
98	42.3	35.4	53.2





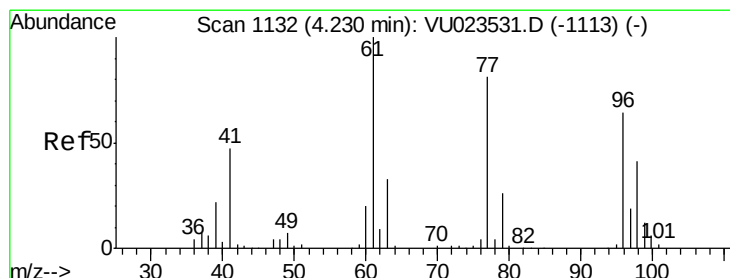
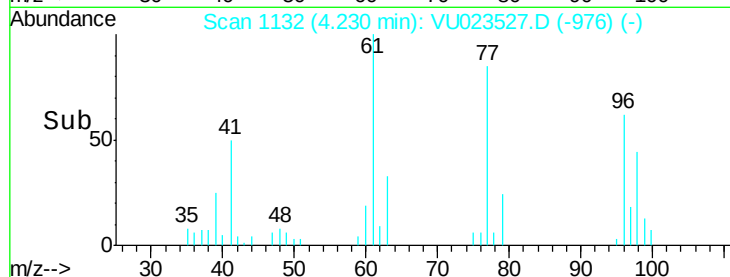
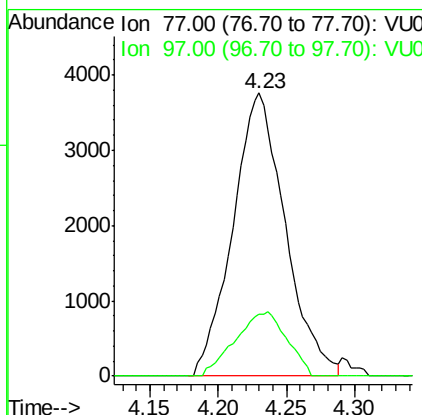
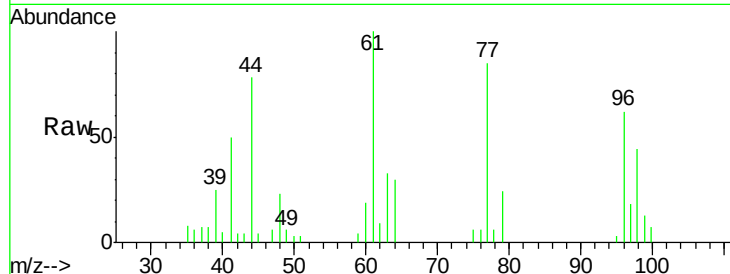
#21
 2,2-Dichloropropane
 Concen: 0.53 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 77 Resp: 10035
 Ion Ratio Lower Upper
 77 100
 97 22.2 17.9 26.9

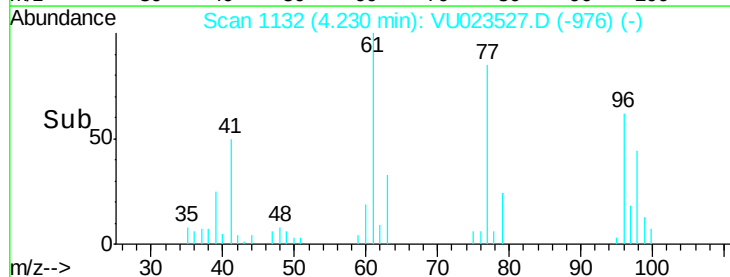
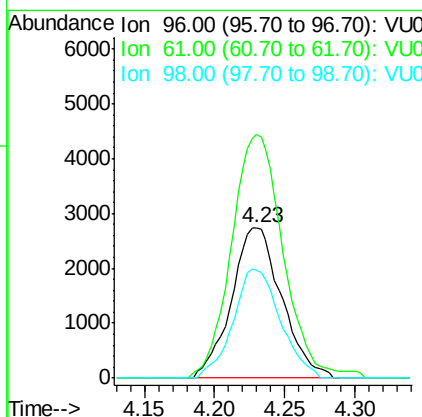
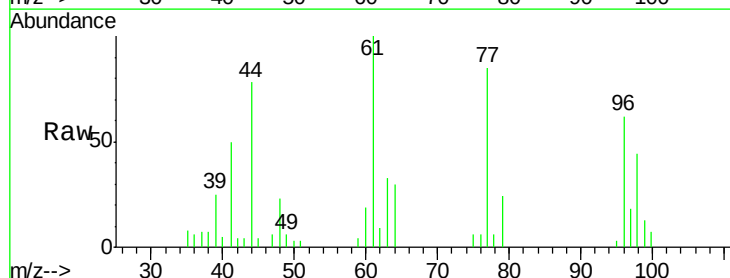
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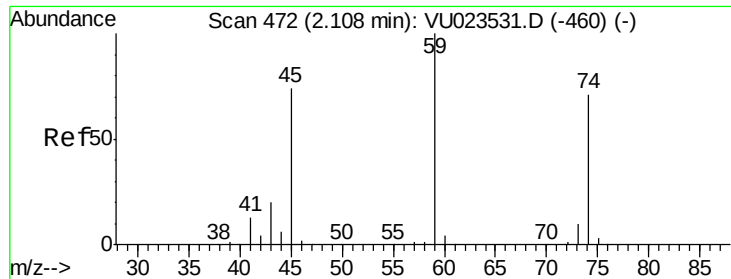
apatel
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#22
 cis-1,2-Dichloroethene
 Concen: 0.44 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion: 96 Resp: 6825
 Ion Ratio Lower Upper
 96 100
 61 165.2 0.0 400.5
 98 68.0 32.2 96.6





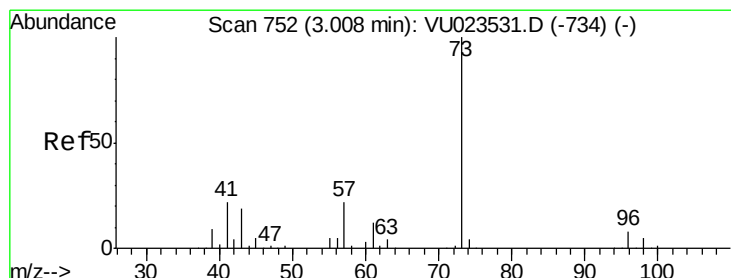
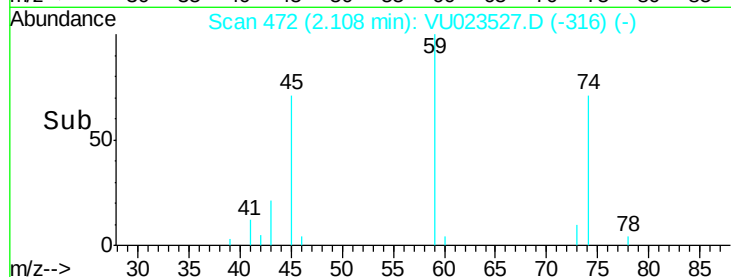
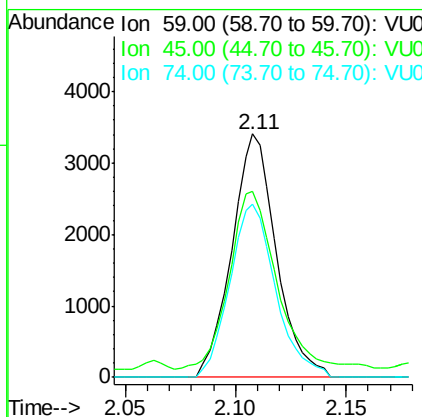
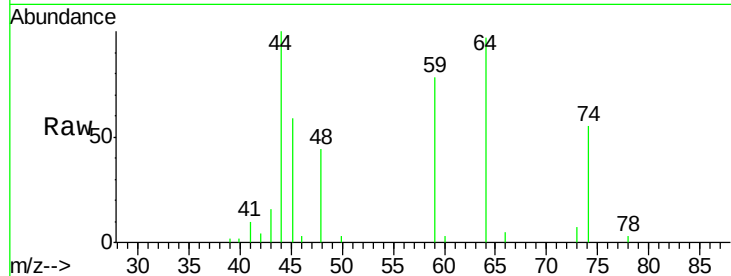
#23
Diethyl Ether
Concen: 0.45 ug/l
RT: 2.11 min Scan# 472
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	77.4	60.0	90.0
74	73.5	56.5	84.7

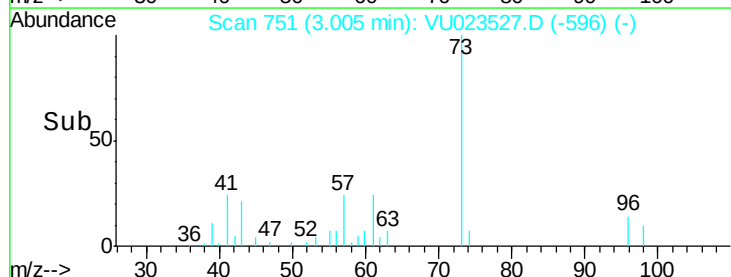
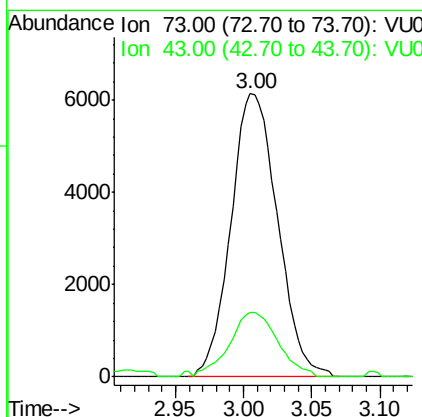
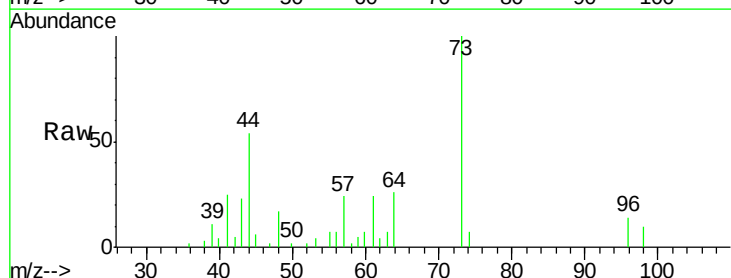
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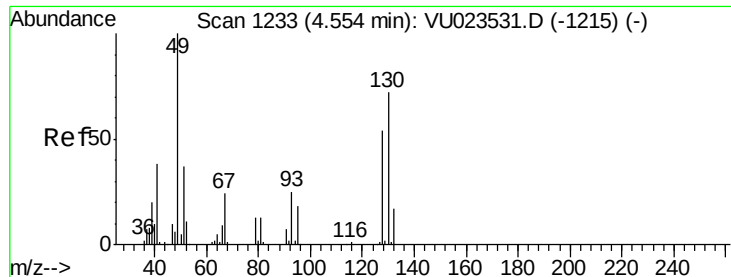
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#25
Methyl tert-Butyl Ether
Concen: 0.45 ug/l
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.8	16.2	24.2





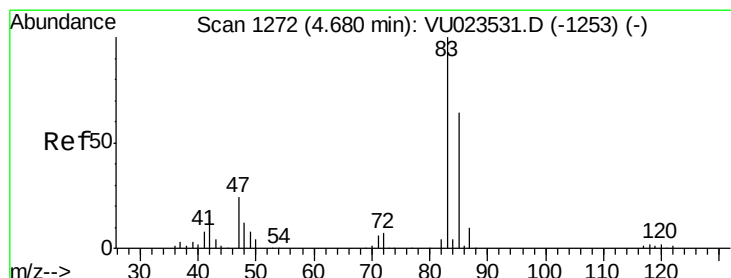
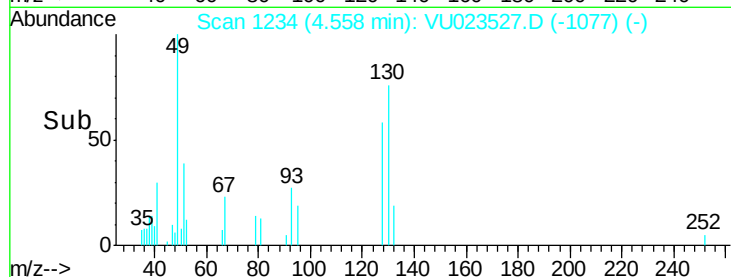
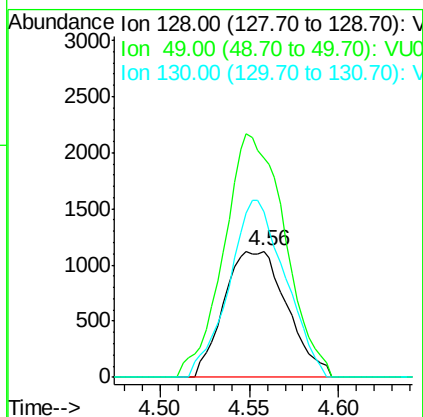
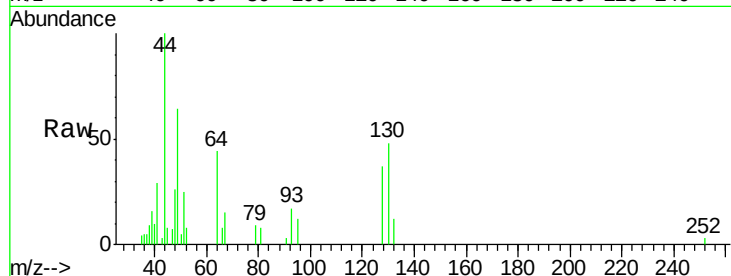
#26
Bromochloromethane
Concen: 0.41 ug/l
RT: 4.56 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
49	186.0	0.0	375.2
130	125.4	105.8	158.6

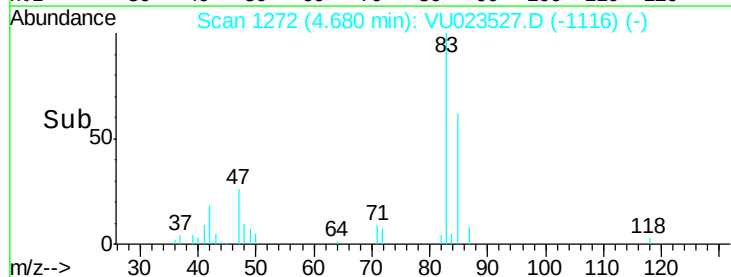
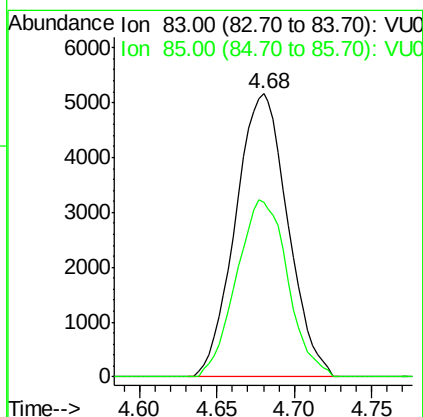
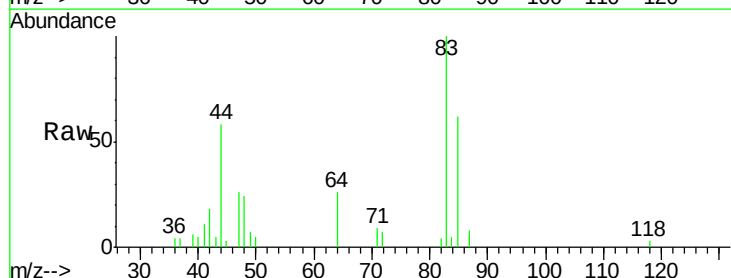
Manual Integrations
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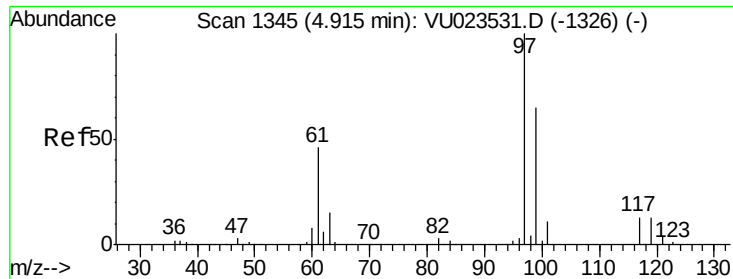
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#27
Chloroform
Concen: 0.47 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	0.0	128.4





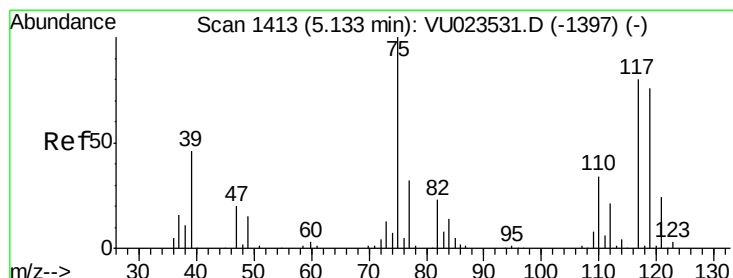
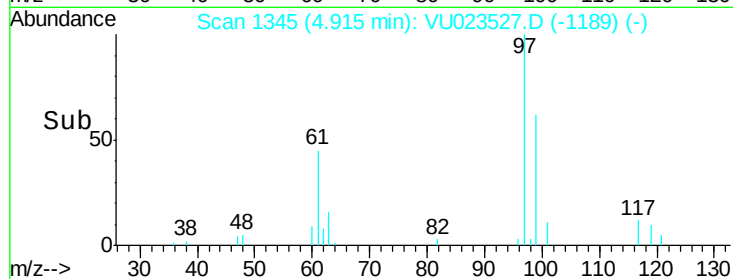
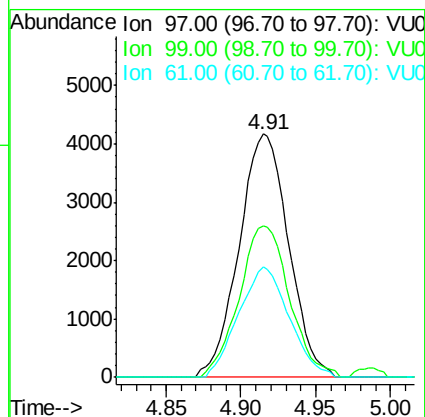
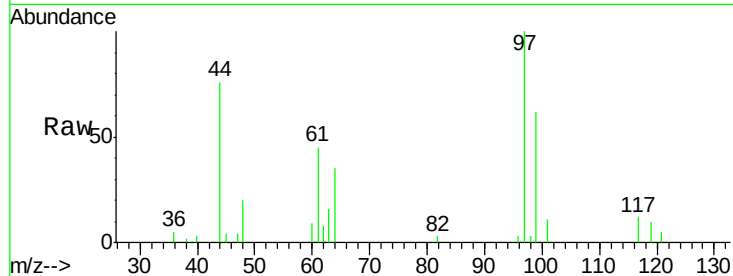
#28
 1,1,1-Trichloroethane
 Concen: 0.48 ug/l
 RT: 4.91 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.3	32.3	96.9
61	46.4	23.2	69.5

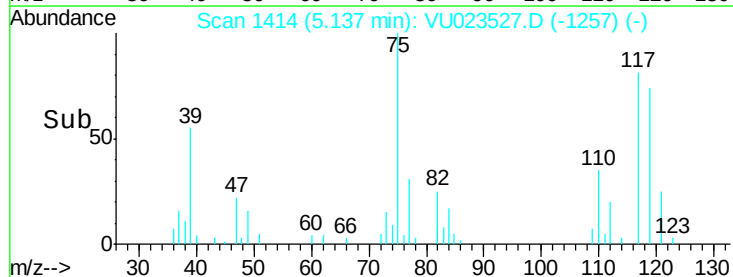
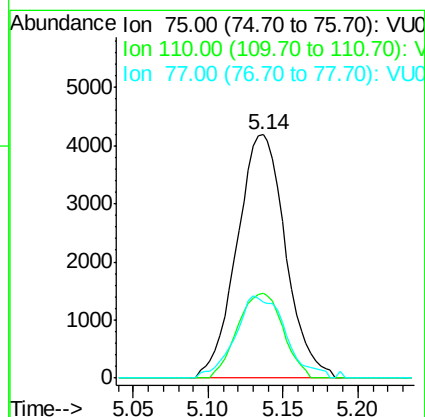
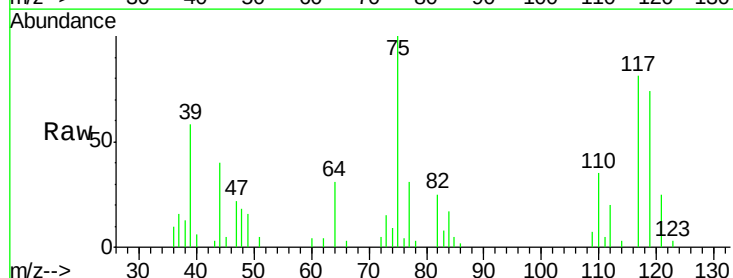
Manual Integrations
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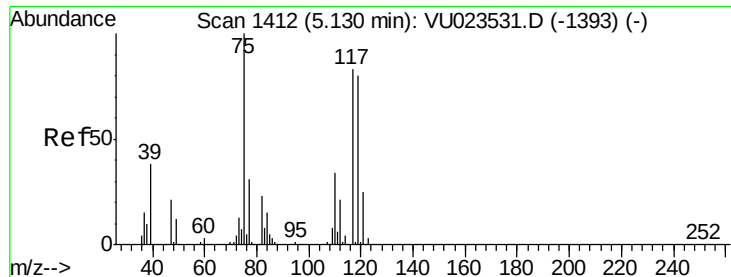
apatel
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#29
 1,1-Dichloropropene
 Concen: 0.48 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.9	50.7
77	34.8	24.8	37.2





#30

Carbon Tetrachloride

Concen: 0.47 ug/l

RT: 5.13 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

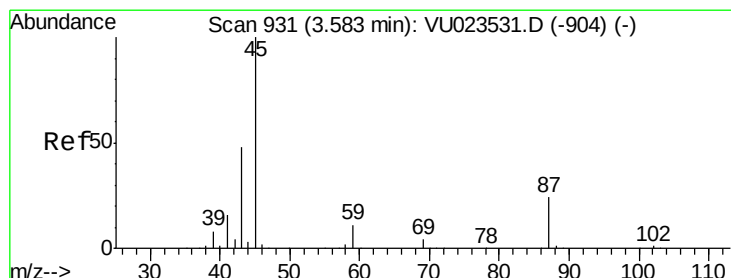
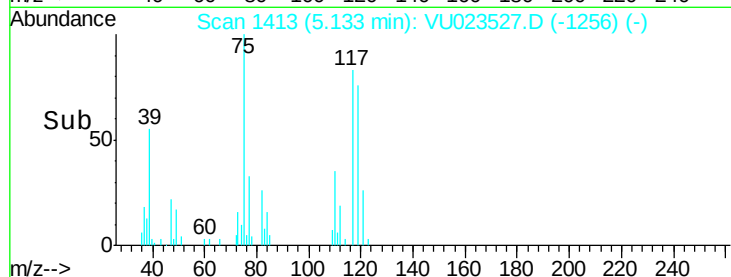
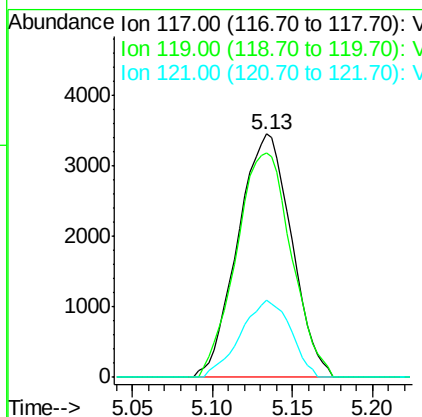
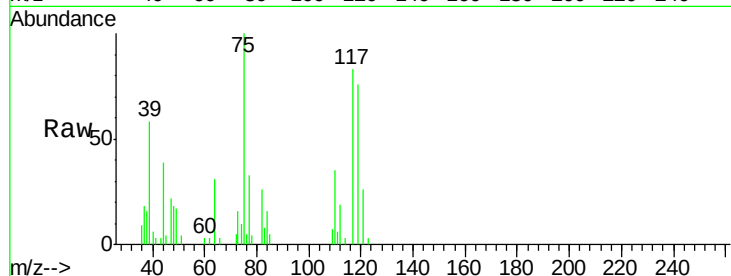
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	7913
Ion	Ratio	Lower	Upper
117	100		
119	92.0	77.3	115.9
121	31.6	24.5	36.7

Manual Integrations
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#31

Isopropyl Ether

Concen: 0.55 ug/l

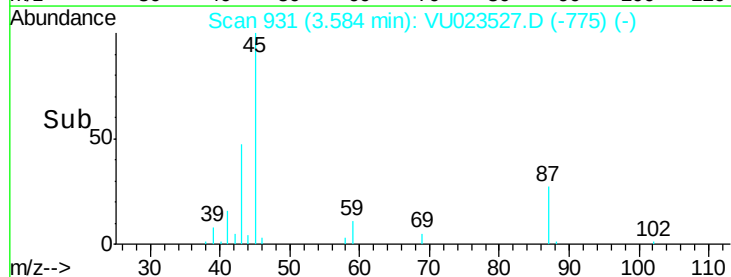
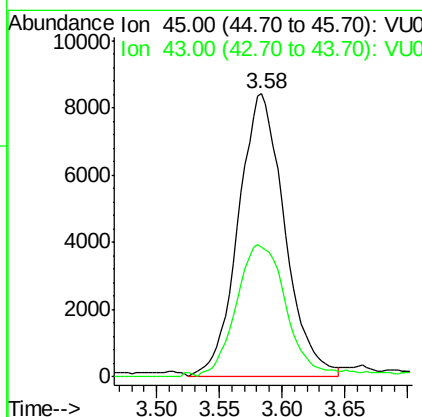
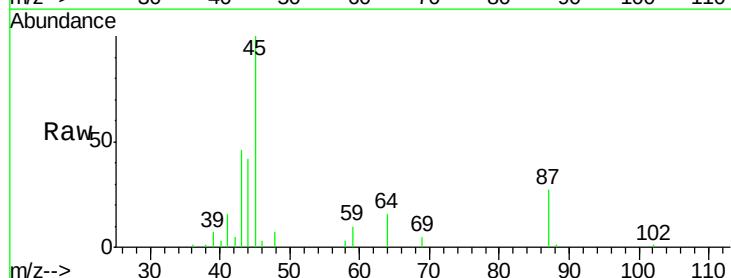
RT: 3.58 min Scan# 931

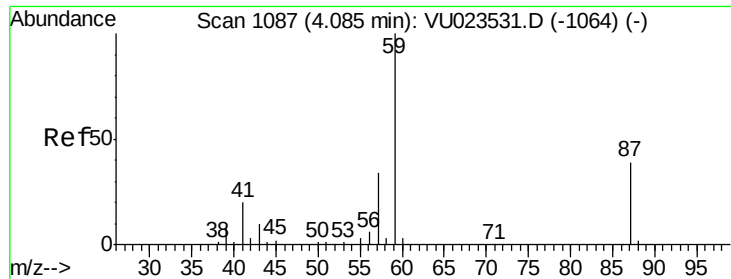
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	45	Resp:	21712
Ion	Ratio	Lower	Upper
45	100		
43	51.2	24.0	72.0





#32

Ethyl-t-butyl ether

Concen: 0.51 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 18076

Ion Ratio Lower Upper

59 100

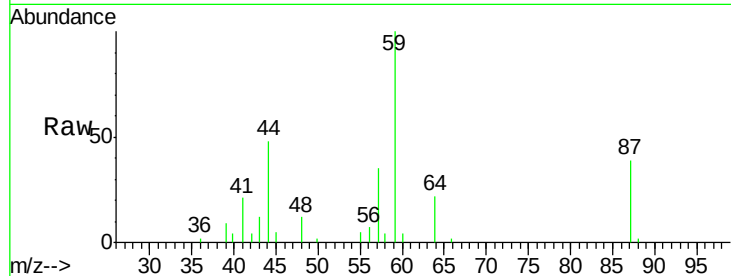
87 37.8 31.0 46.6

Manual Integrations

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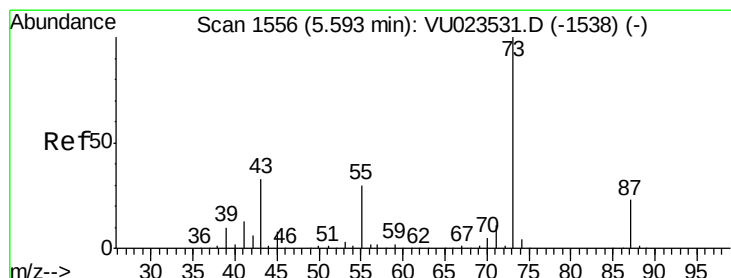
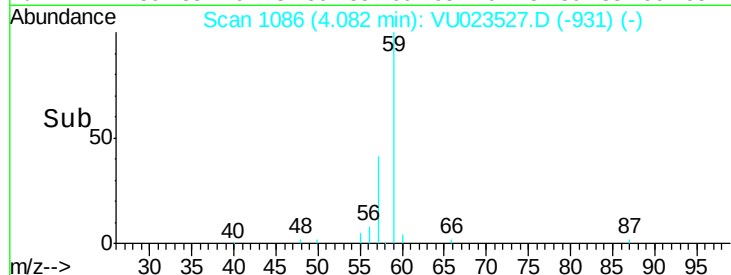
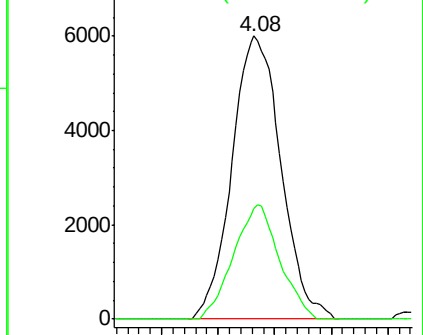
apatel

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Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#33

Tert-Amyl methyl ether

Concen: 0.49 ug/l

RT: 5.59 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

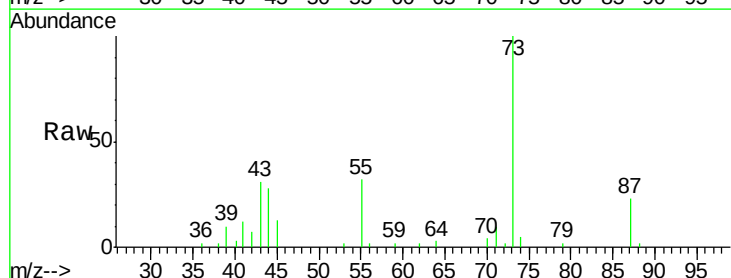
Tgt Ion: 73 Resp: 15250

Ion Ratio Lower Upper

73 100

87 23.0 18.6 28.0

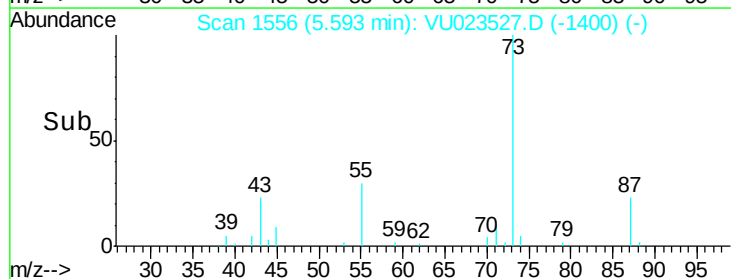
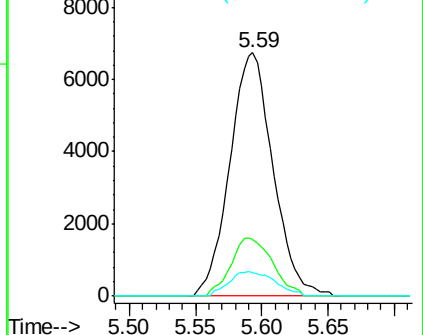
71 10.7 9.3 13.9

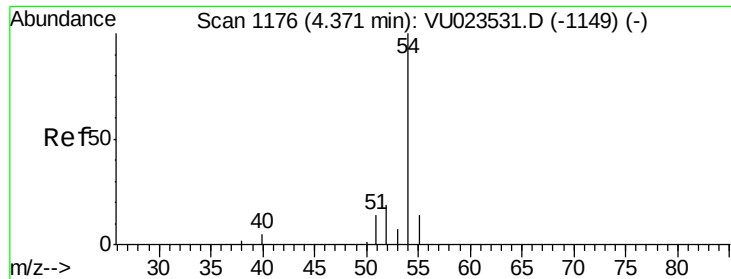


Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 71.00 (70.70 to 71.70): VU0





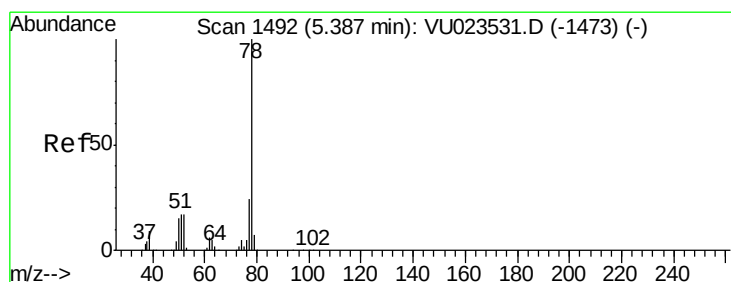
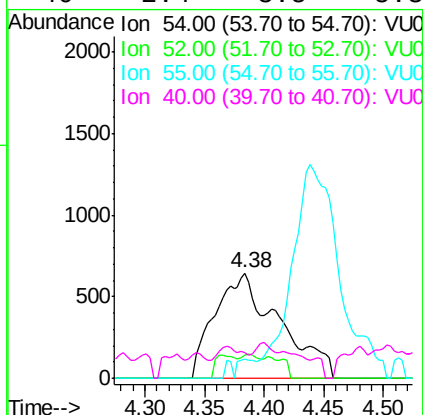
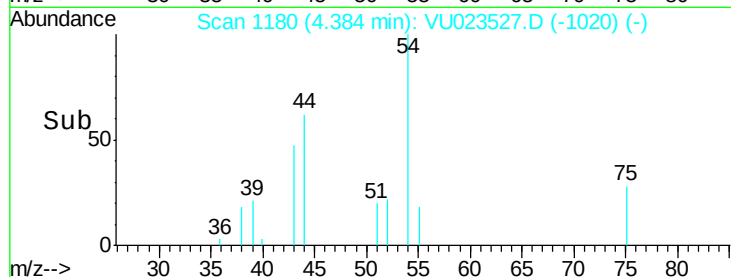
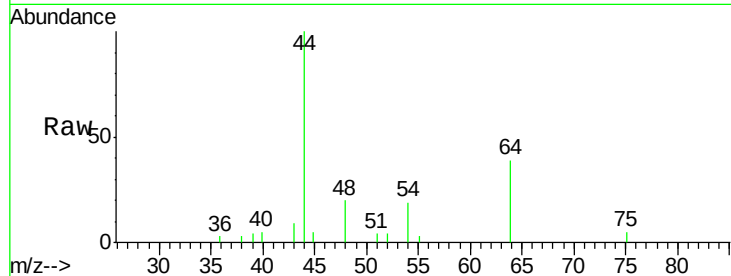
#34
 Propionitrile
 Concen: 2.28 ug/l m
 RT: 4.38 min Scan# 1180
 Delta R.T. 0.01 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	54	Resp:	2443
Ion	Ratio	Lower	Upper
54	100		
52	0.0	13.7	20.5#
55	5.2	10.2	15.2#
40	2.4	3.5	5.3#

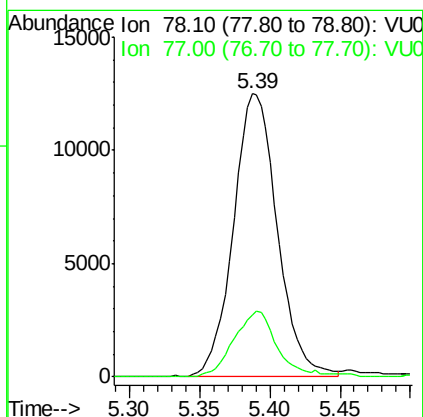
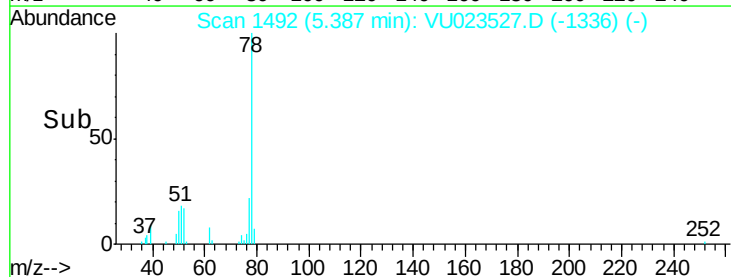
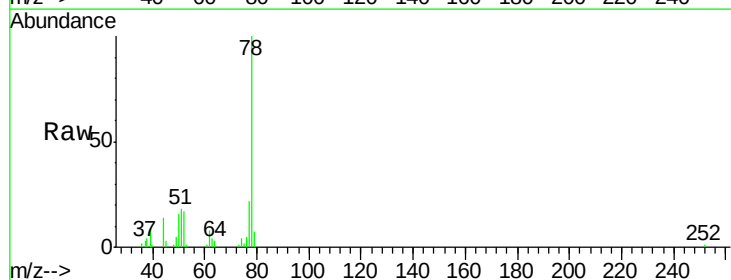
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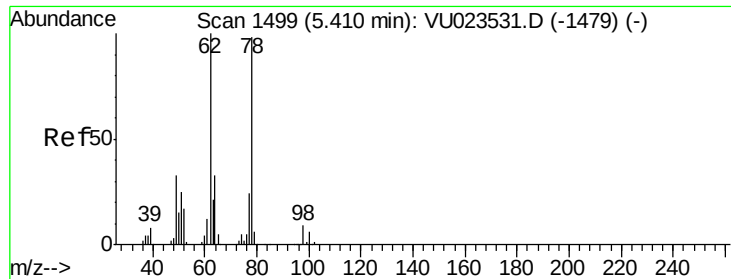
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#35
 Benzene
 Concen: 0.46 ug/l
 RT: 5.39 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion:	78	Resp:	27320
Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.1	28.7





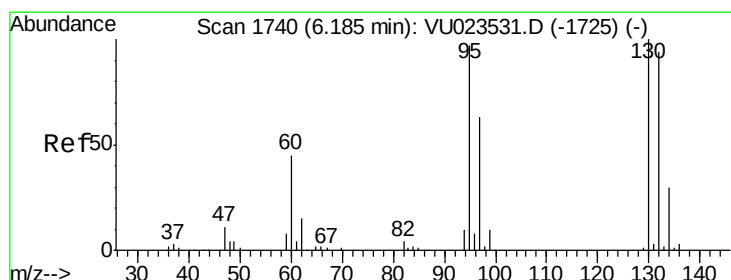
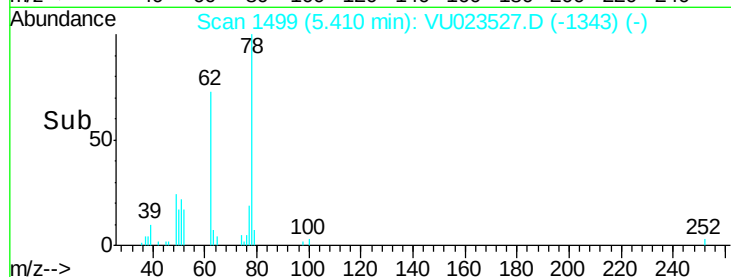
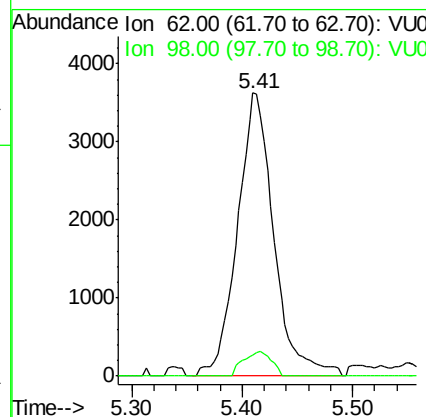
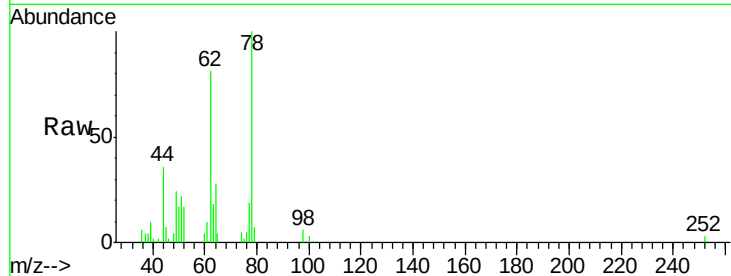
#36
1,2-Dichloroethane
Concen: 0.53 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.6	7.2	10.8#

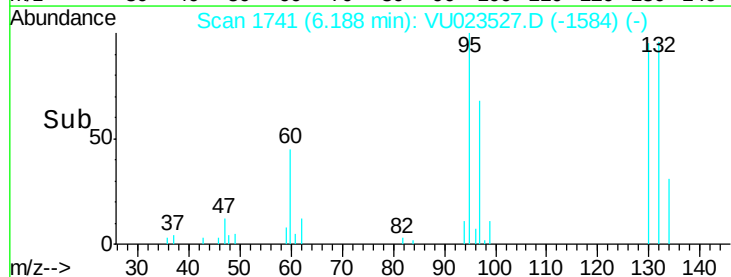
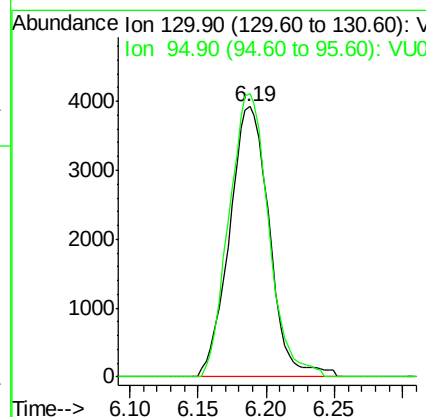
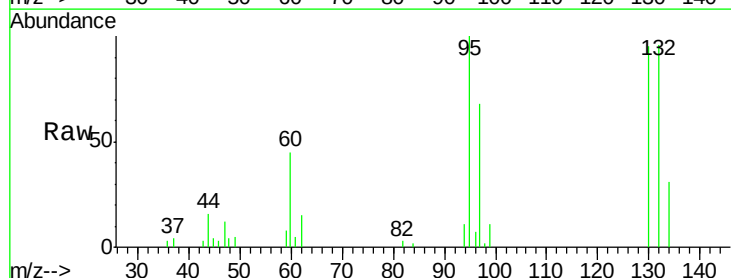
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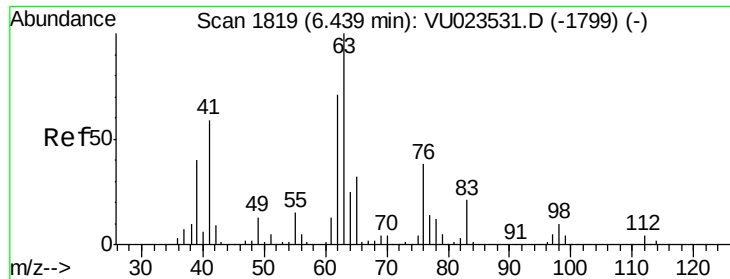
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#37
Trichloroethene
Concen: 0.50 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.8	77.9	116.9





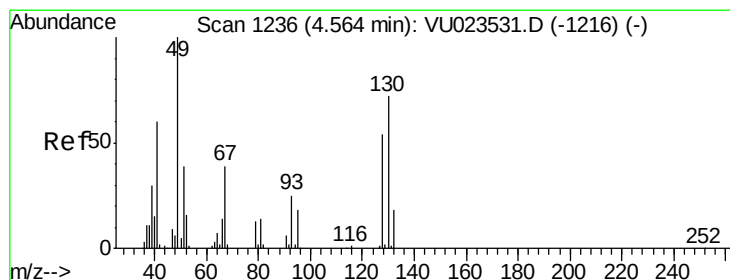
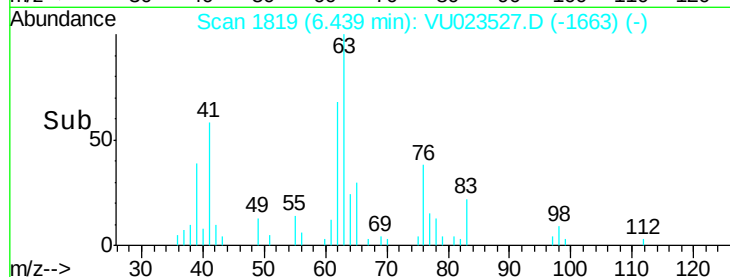
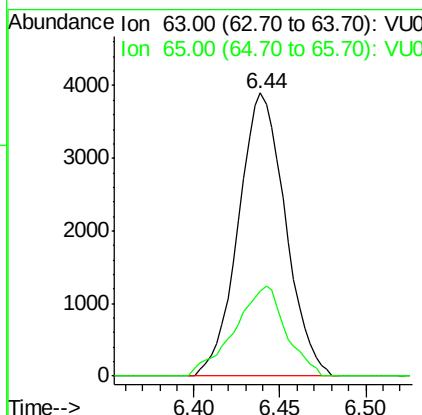
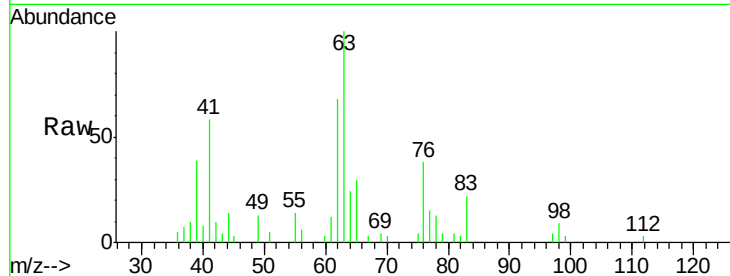
#38
 1,2-Dichloropropane
 Concen: 0.49 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 63 Resp: 7419
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.8 38.8

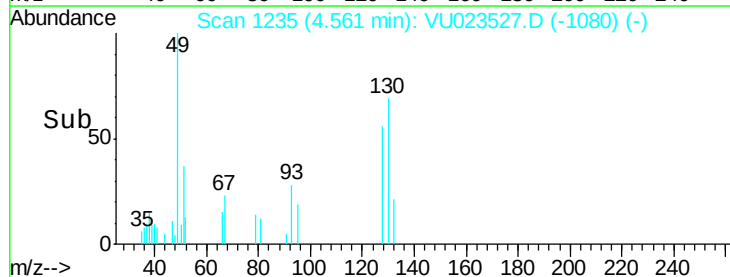
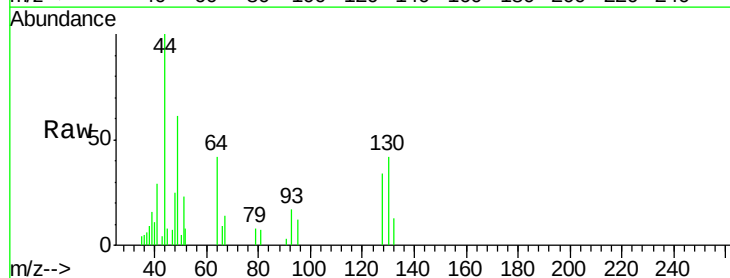
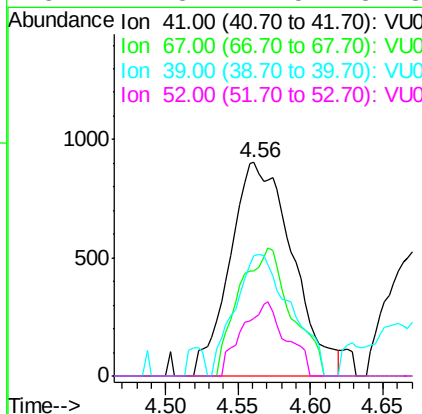
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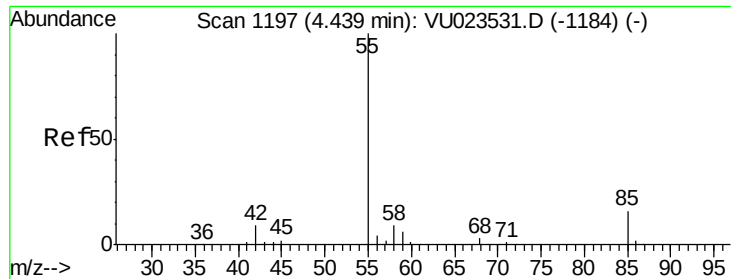
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#39
 Methacrylonitrile
 Concen: 0.61 ug/l
 RT: 4.56 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion: 41 Resp: 2720
 Ion Ratio Lower Upper
 41 100
 67 49.8 51.3 76.9#
 39 50.6 40.6 60.8
 52 24.3 21.5 32.3





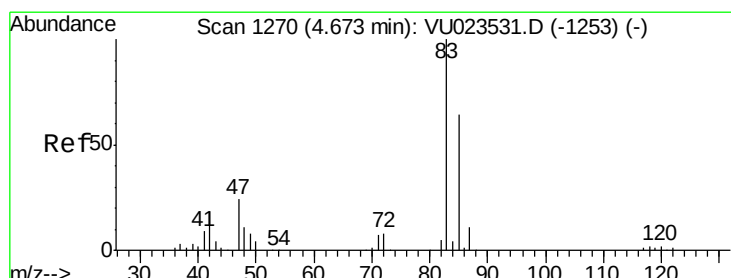
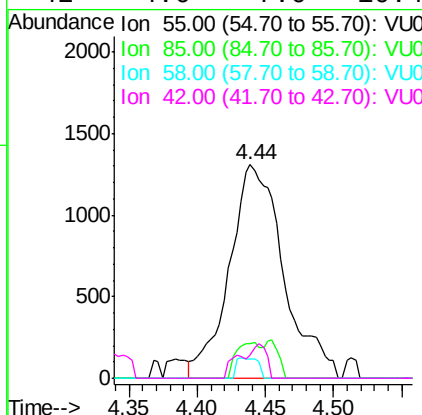
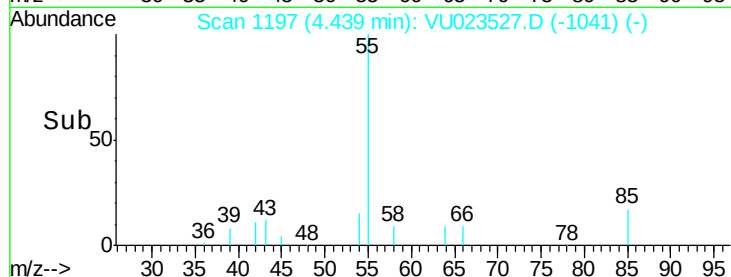
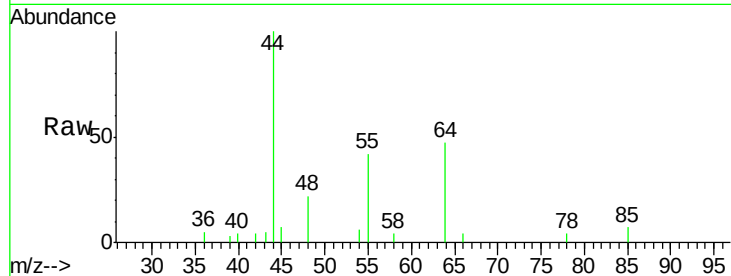
#40
Methvl acrylate
Concen: 0.54 ug/l
RT: 4.44 min Scan# 1197
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
55	100		
85	8.1	12.3	18.5#
58	0.0	7.0	10.6#
42	4.6	7.0	10.4#

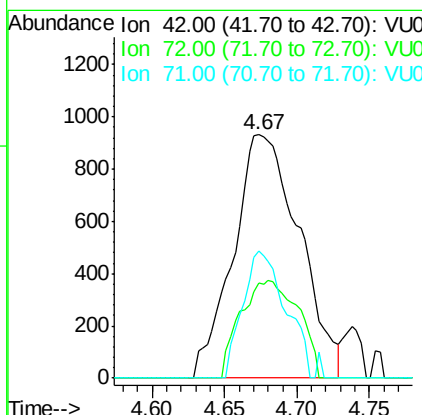
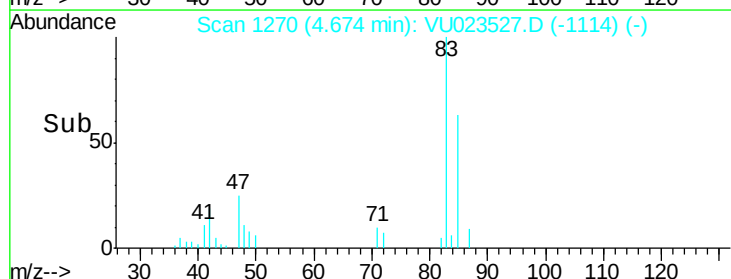
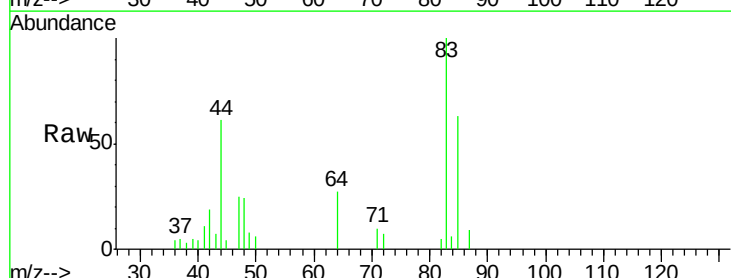
Manual Integrations
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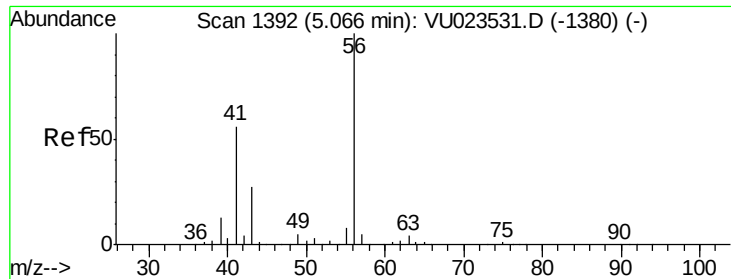
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#41
Tetrahydrofuran
Concen: 1.19 ug/l
RT: 4.67 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
42	100		
72	35.0	33.2	49.8
71	34.0	29.8	44.8





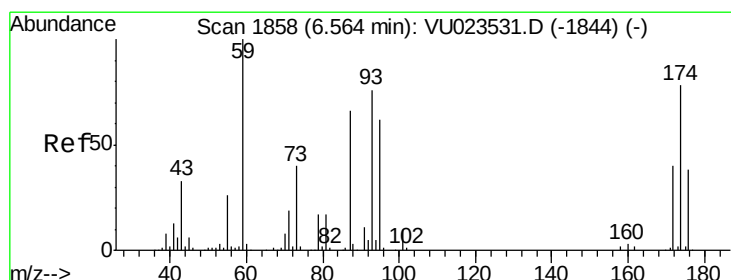
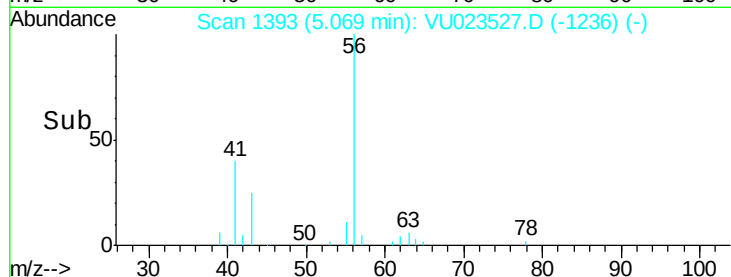
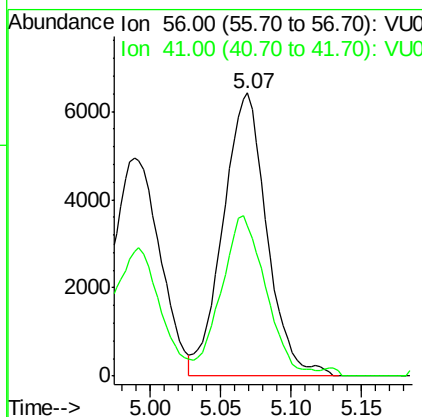
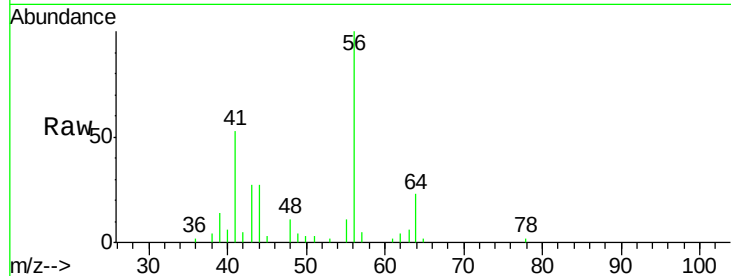
#42
1-Chlorobutane
Concen: 0.53 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	56	Resp	13918
Ion Ratio	Lower	Upper	
56	100		
41	57.7	27.5	82.5

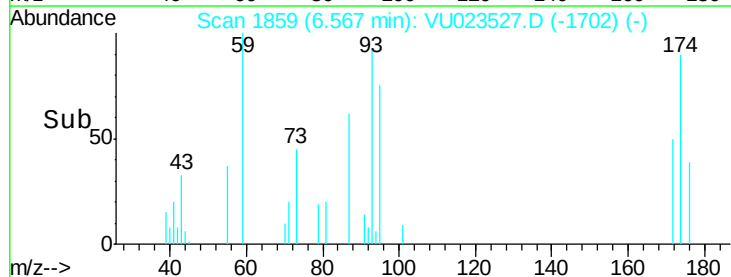
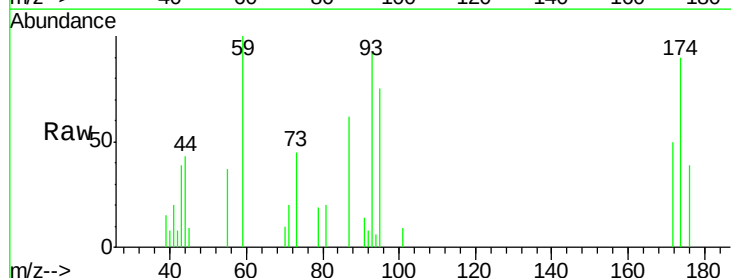
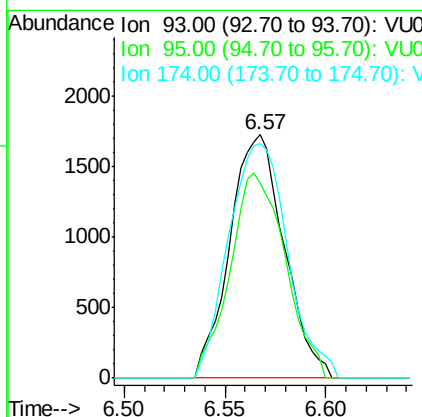
Manual Integrations
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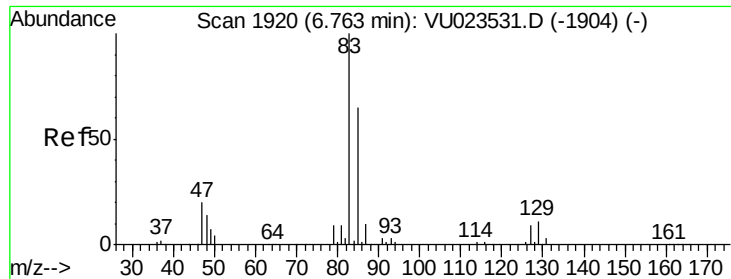
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#43
Dibromomethane
Concen: 0.45 ug/l
RT: 6.57 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	93	Resp	3251
Ion Ratio	Lower	Upper	
93	100		
95	85.4	67.2	100.8
174	104.7	82.8	124.2





#44

Bromodichloromethane

Concen: 0.49 ug/l

RT: 6.76 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

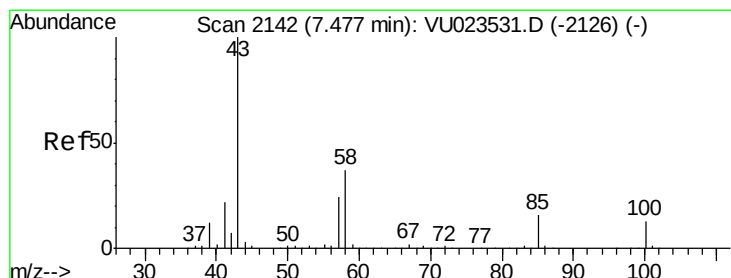
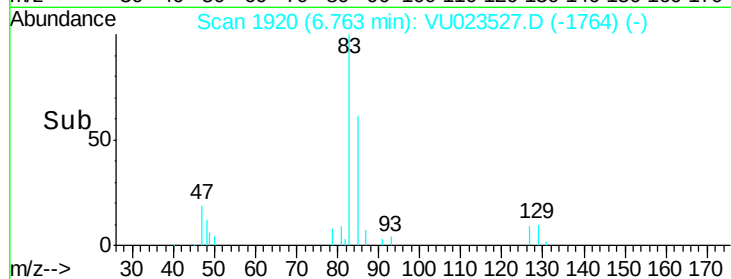
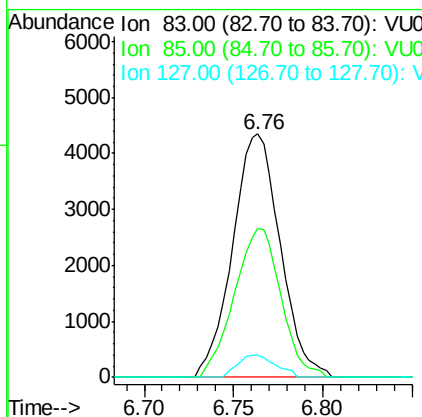
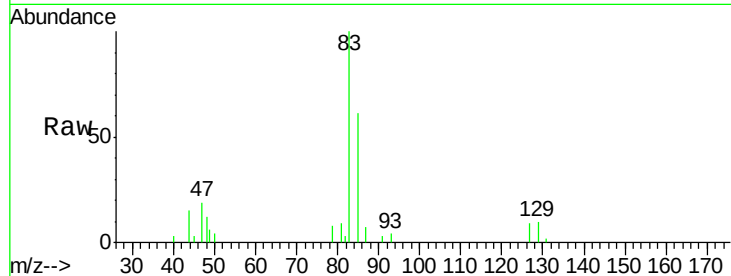
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	8109
Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.2	78.4
127	9.0	7.0	10.4

Manual Integrations
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#45

4-Methyl-2-Pentanone

Concen: 2.15 ug/l

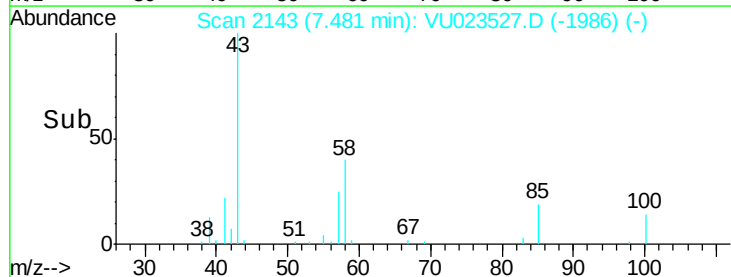
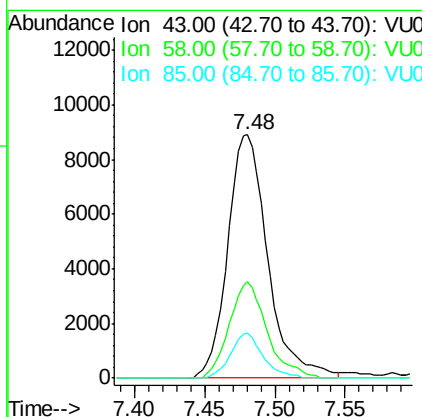
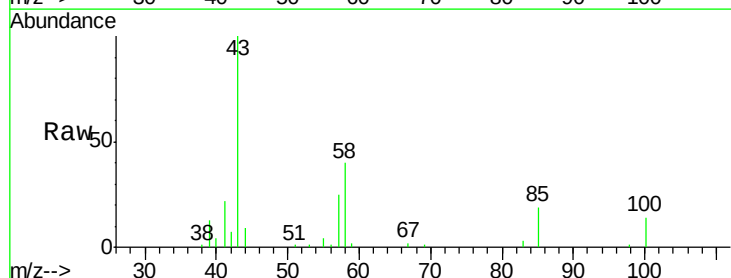
RT: 7.48 min Scan# 2143

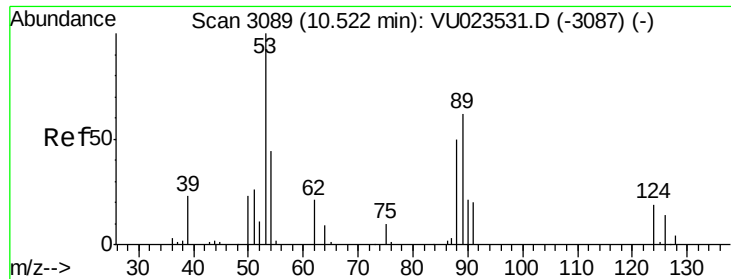
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	43	Resp:	17707
Ion	Ratio	Lower	Upper
43	100		
58	37.1	18.8	56.4
85	15.1	12.6	19.0





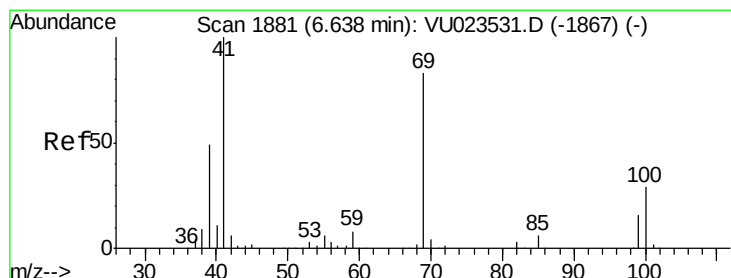
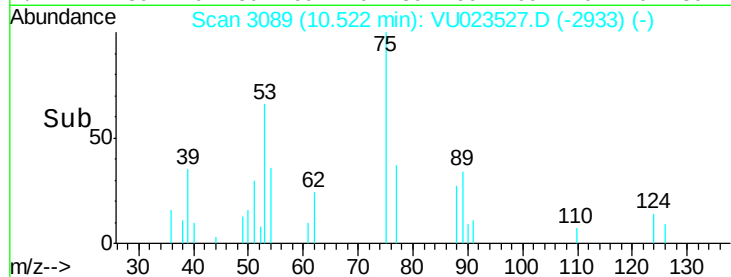
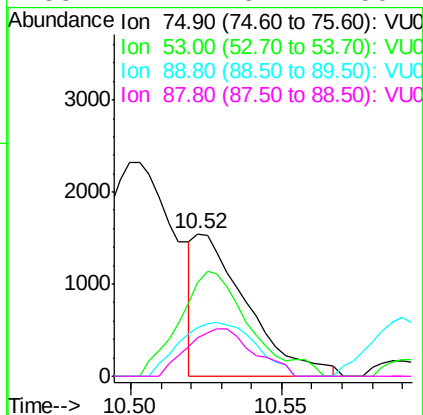
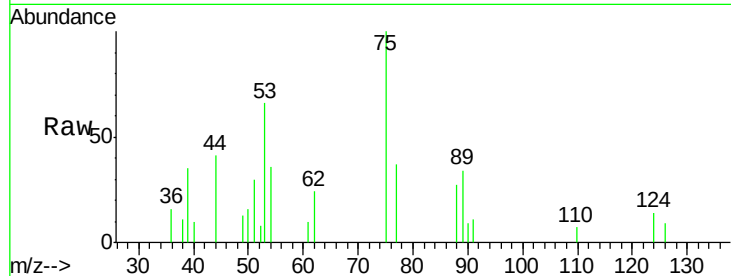
#46
t-1,4-Dichloro-2-butene
Concen: 0.73 ug/l m
RT: 10.52 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	82.2	123.4
89	54.4	51.3	76.9
88	41.7	37.4	56.2

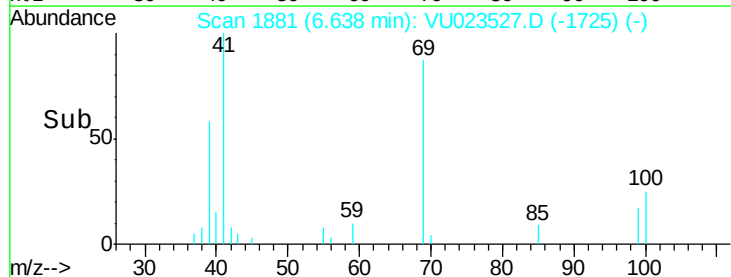
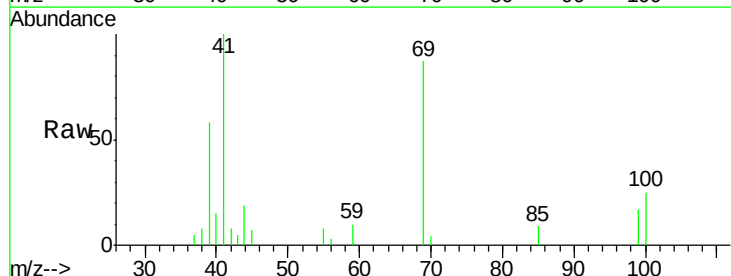
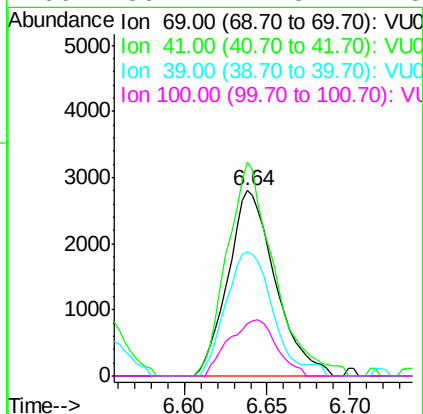
Manual Integrations
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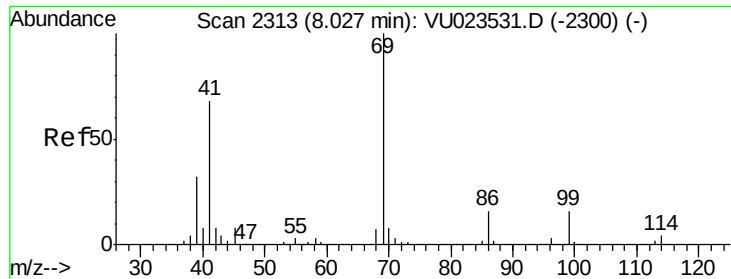
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#47
Methyl methacrylate
Concen: 0.82 ug/l
RT: 6.64 min Scan# 1881
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	114.4	0.0	245.4
39	67.1	49.0	73.4
100	30.4	27.8	41.8





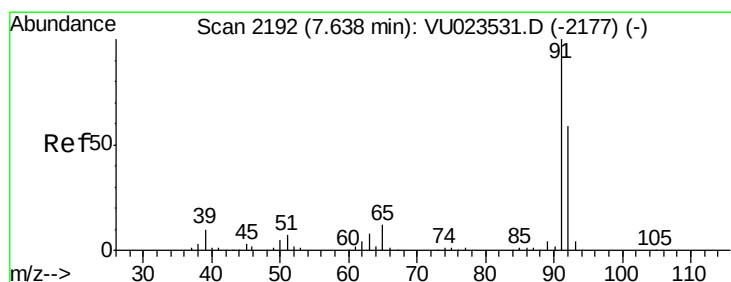
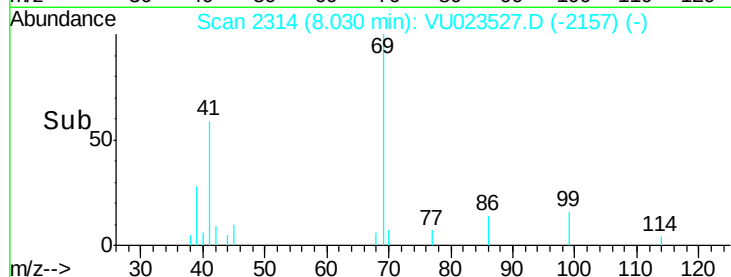
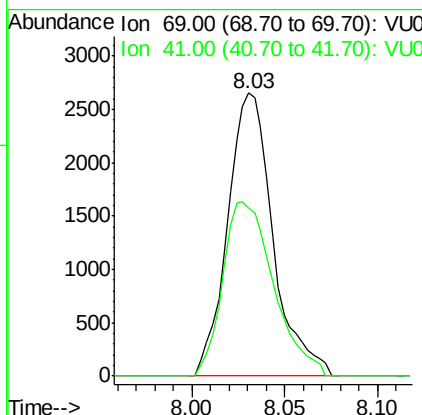
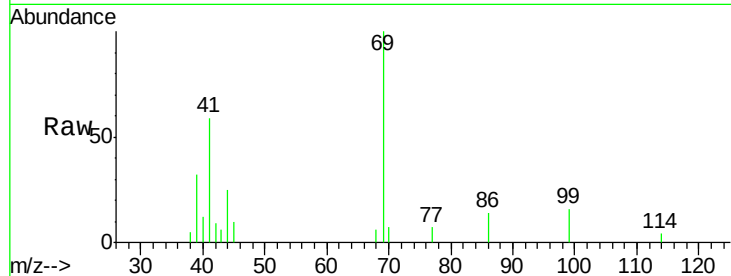
#48
Ethyl methacrylate
Concen: 0.37 ug/l
RT: 8.03 min Scan# 2314
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	69.2	34.2	102.5

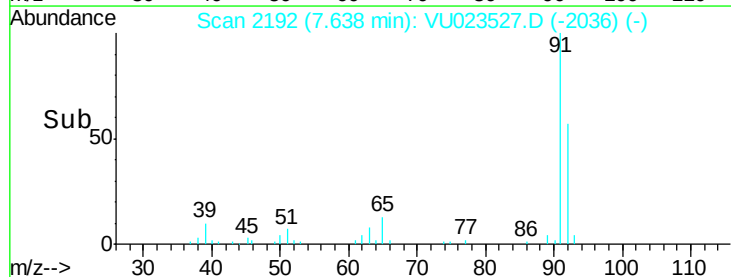
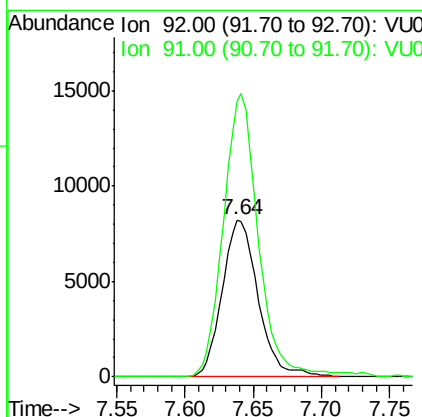
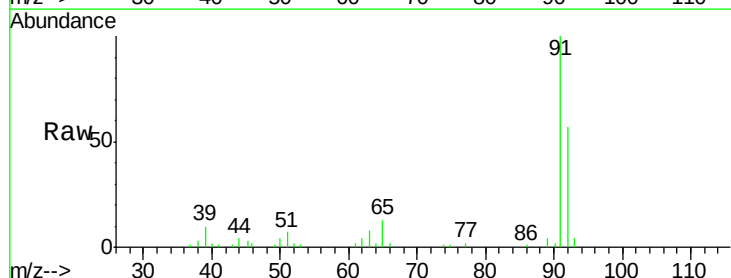
Manual Integrations
APPROVED

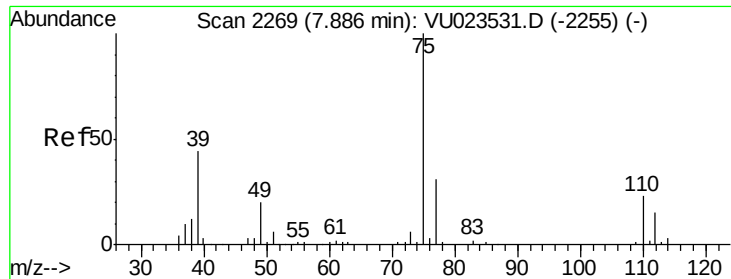
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#49
Toluene
Concen: 0.43 ug/l
RT: 7.64 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.7	137.1	205.7





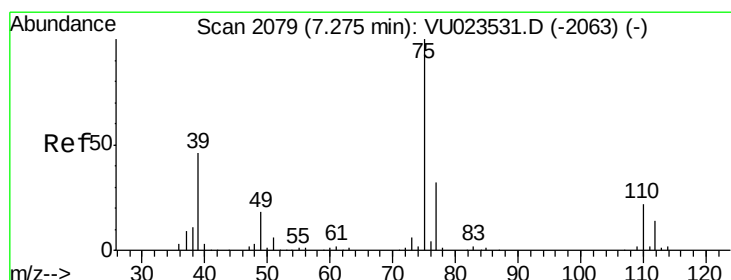
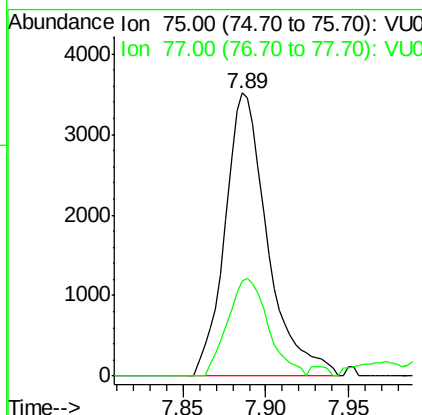
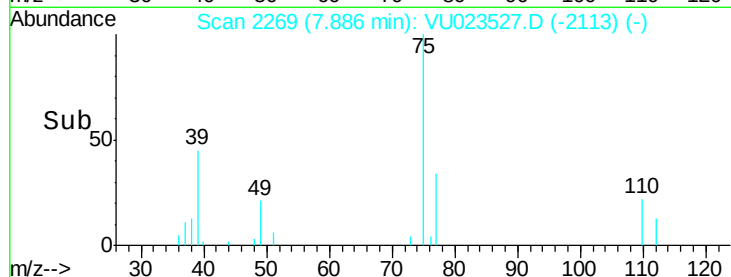
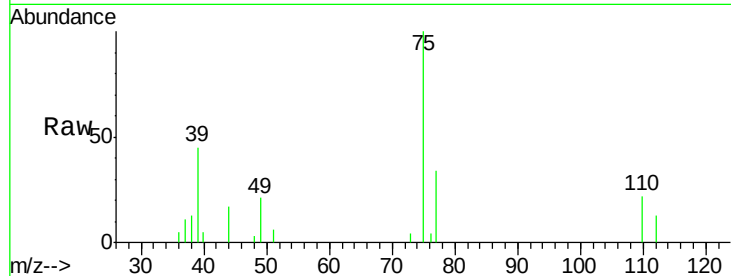
#50
t-1,3-Dichloropropene
Concen: 0.44 ug/l
RT: 7.89 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 6278
Ion Ratio Lower Upper
75 100
77 33.8 25.2 37.8

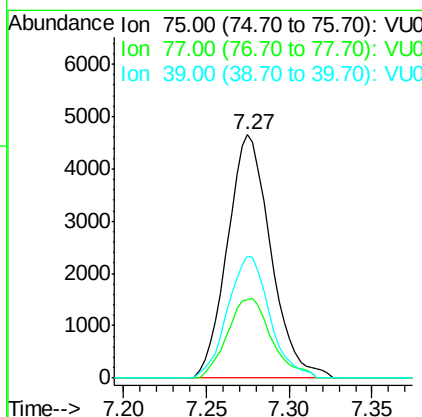
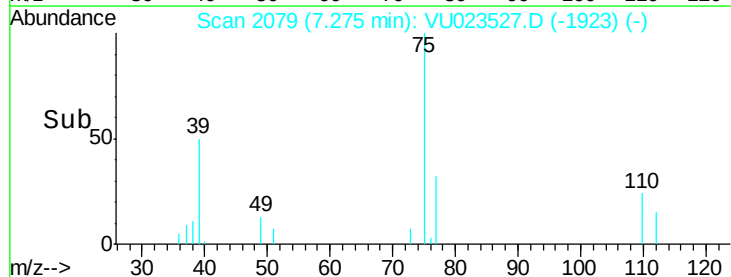
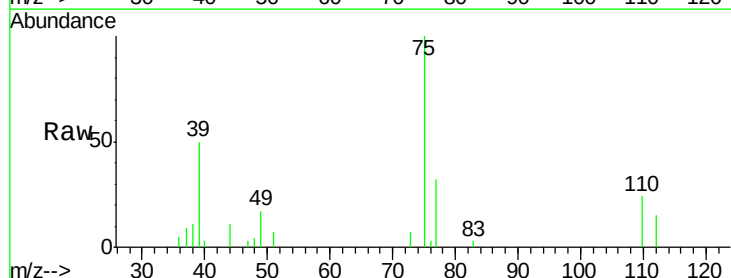
Manual Integrations
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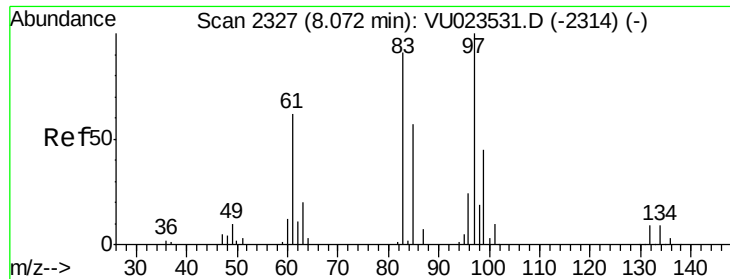
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#51
cis-1,3-Dichloropropene
Concen: 0.46 ug/l
RT: 7.27 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion: 75 Resp: 8464
Ion Ratio Lower Upper
75 100
77 32.5 25.2 37.8
39 50.2 36.4 54.6





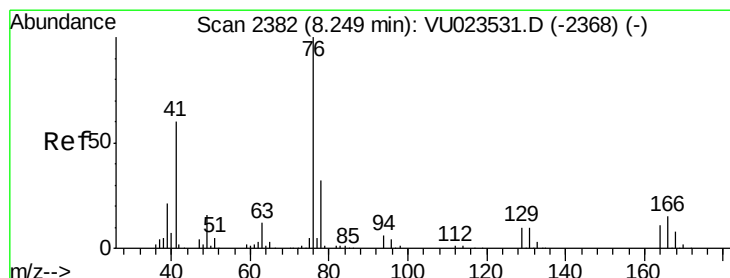
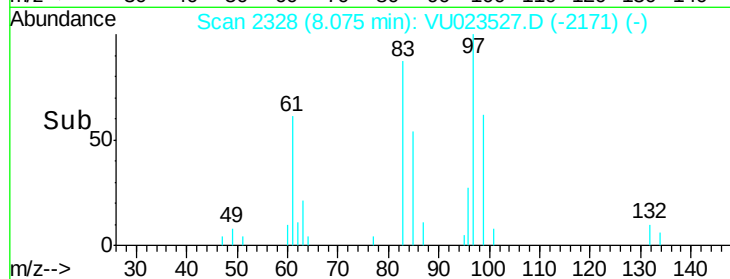
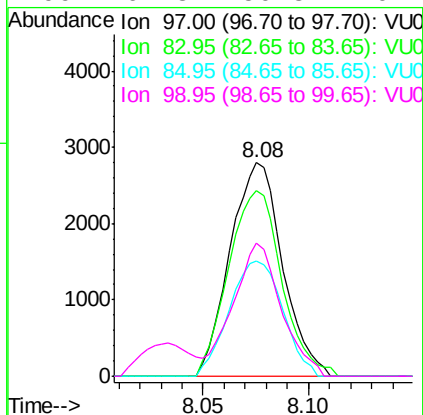
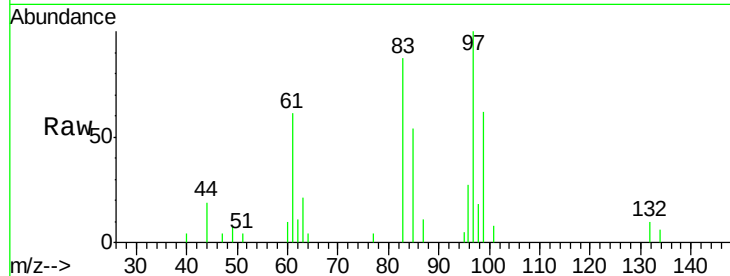
#52
 1,1,2-Trichloroethane
 Concen: 0.46 ug/l
 RT: 8.08 min Scan# 2328
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	4823
Ion	Ratio	Lower	Upper
97	100		
83	86.7	72.6	109.0
85	53.7	47.2	70.8
99	62.3	50.8	76.2

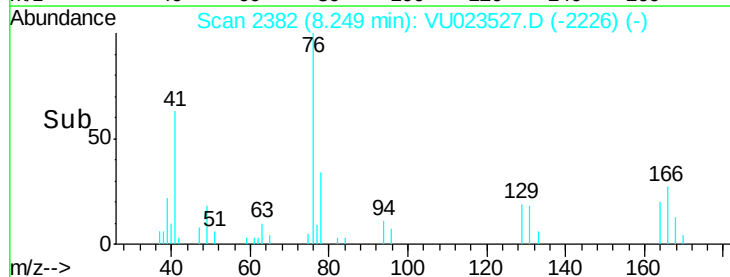
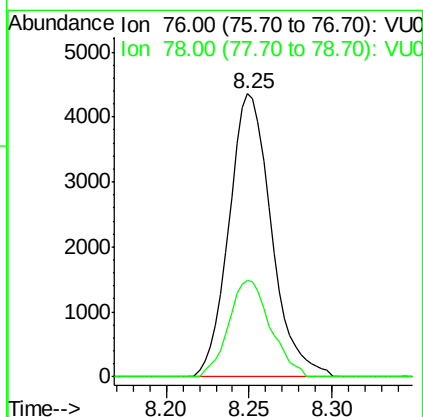
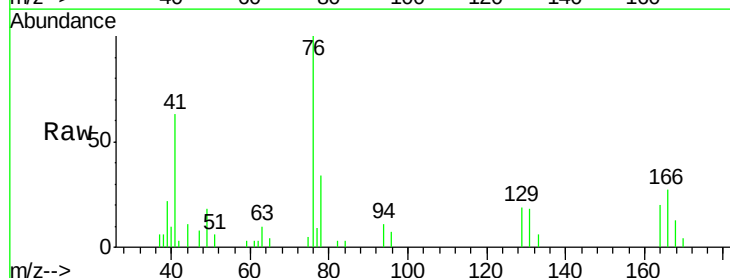
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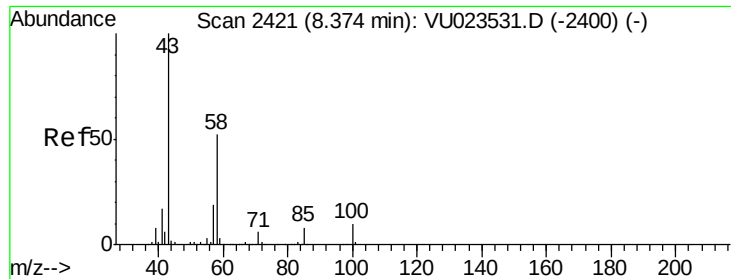
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#53
 1,3-Dichloropropane
 Concen: 0.43 ug/l
 RT: 8.25 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion:	76	Resp:	7758
Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.7	38.5





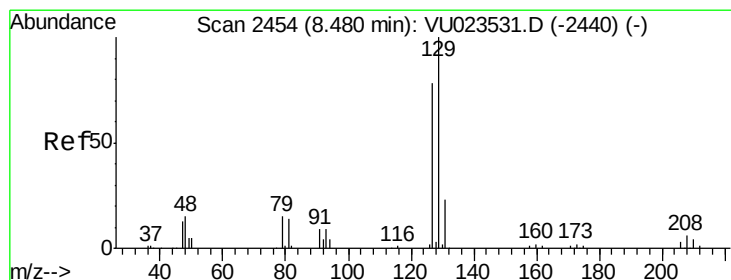
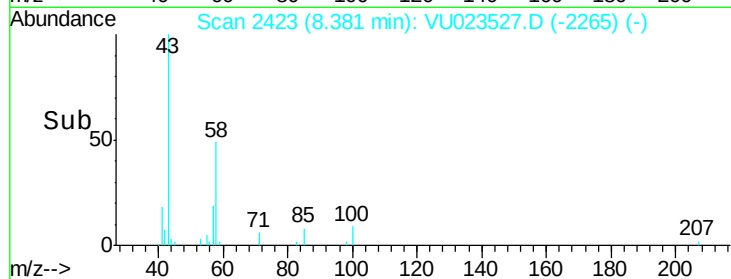
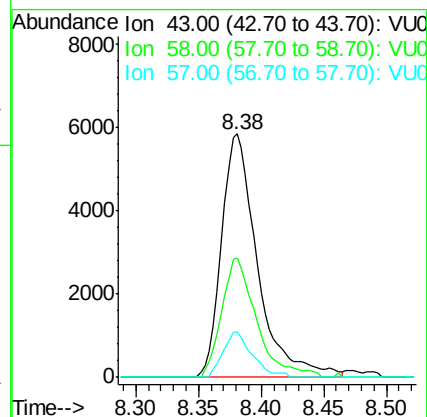
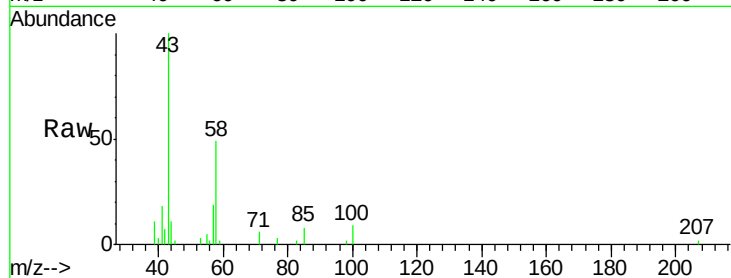
#54
2-Hexanone
Concen: 2.08 ug/l
RT: 8.38 min Scan# 2423
Delta R.T. 0.01 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.4	32.5	72.5
57	15.1	0.0	37.9

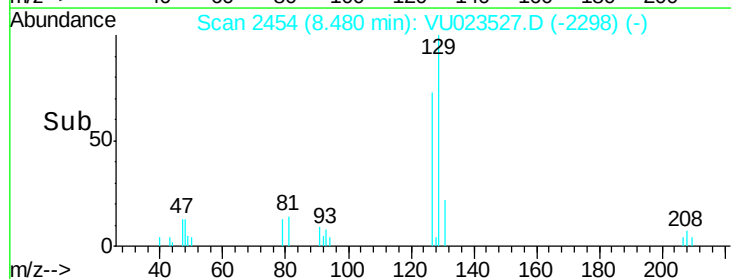
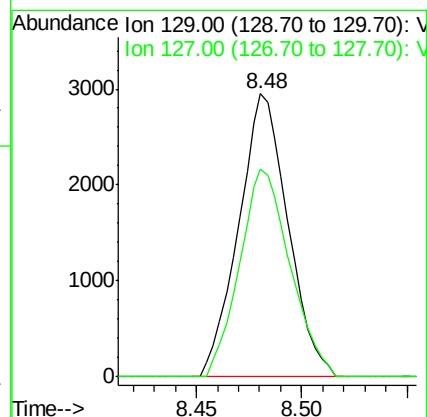
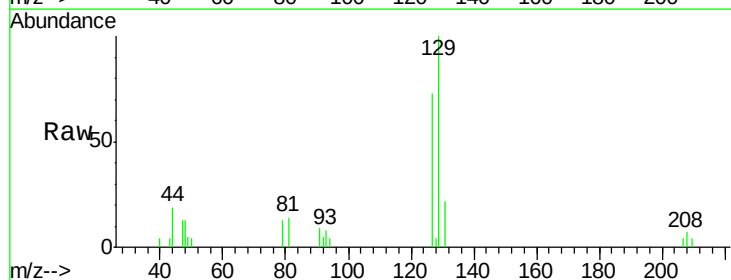
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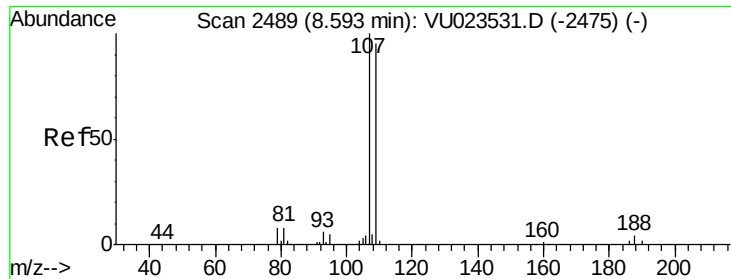
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#55
Dibromochloromethane
Concen: 0.45 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	61.1	91.7





#56

1,2-Dibromoethane

Concen: 0.44 ug/l

RT: 8.59 min Scan# 2489

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:107 Resp: 3996

Ion Ratio Lower Upper

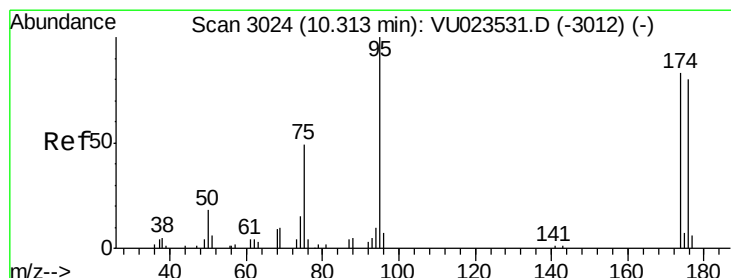
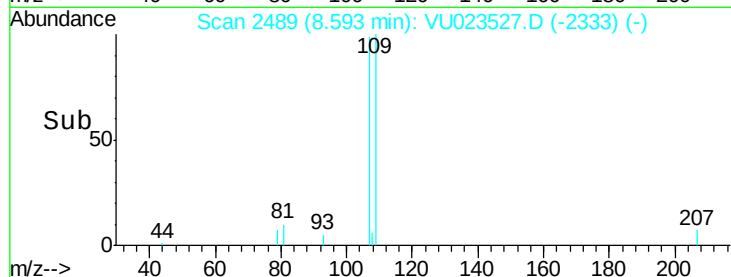
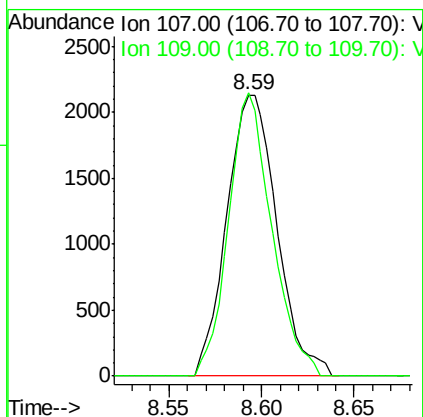
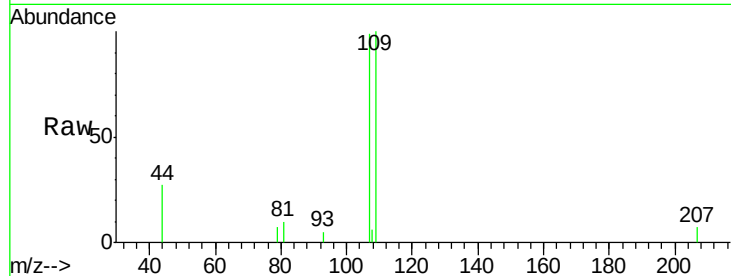
107 100

109 87.2 0.0 189.0

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#57

4-Bromofluorobenzene

Concen: 0.44 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

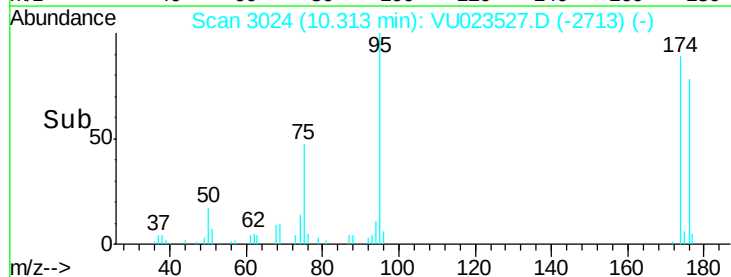
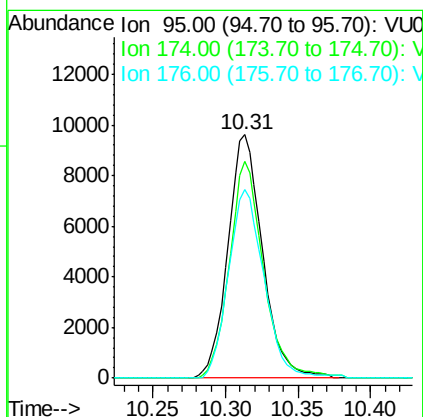
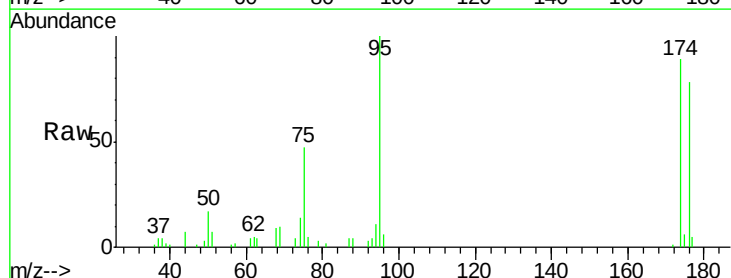
Tgt Ion: 95 Resp: 15935

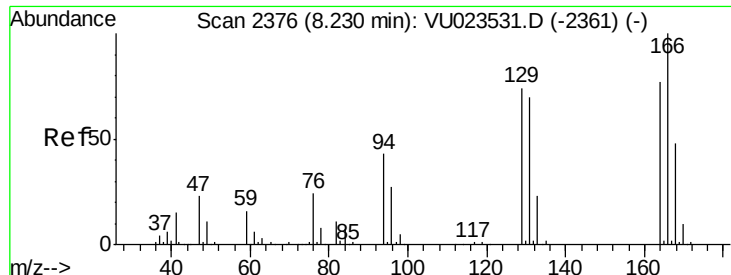
Ion Ratio Lower Upper

95 100

174 87.9 65.6 98.4

176 79.7 62.0 93.0





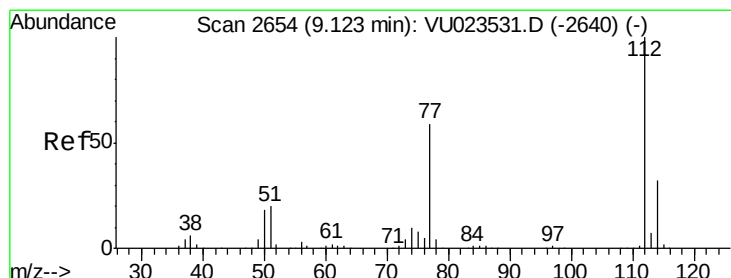
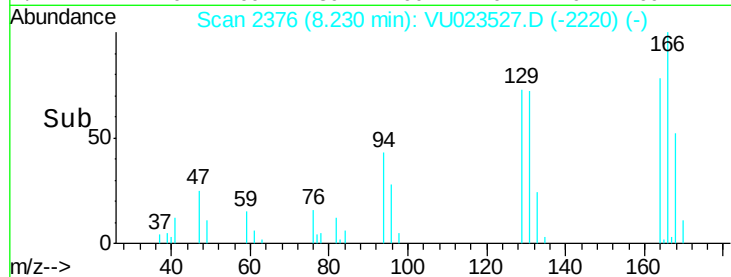
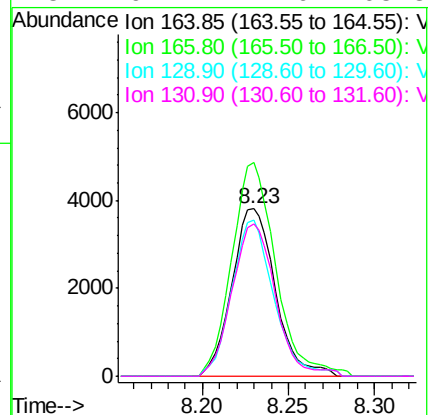
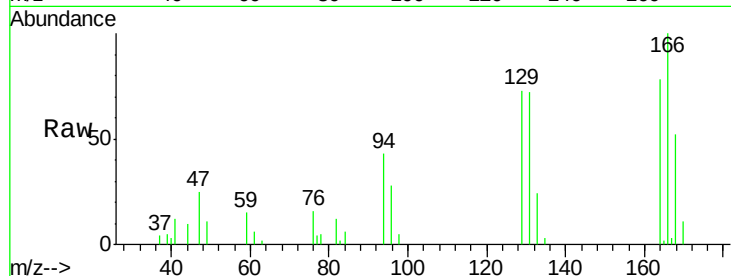
#58
Tetrachloroethene
Concen: 0.48 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:164 Resp: 6702
Ion Ratio Lower Upper
164 100
166 127.5 104.1 156.1
129 92.8 76.8 115.2
131 91.2 72.6 108.8

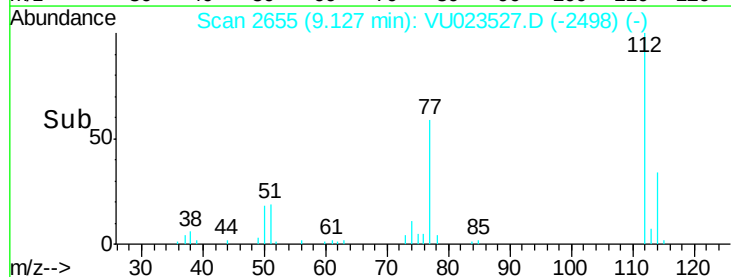
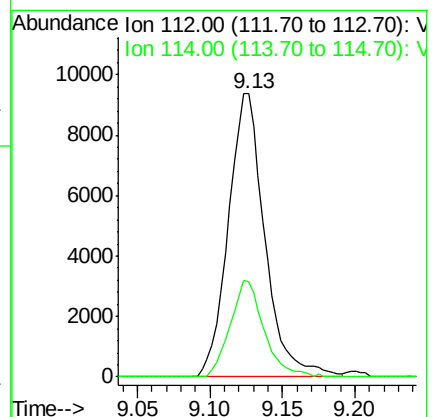
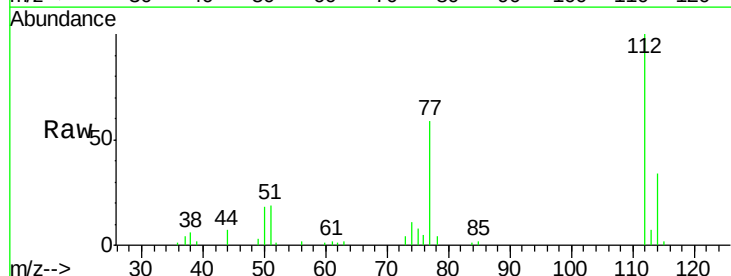
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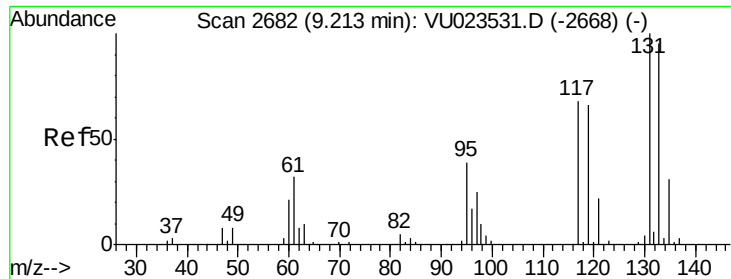
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#59
Chlorobenzene
Concen: 0.43 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion:112 Resp: 16374
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.2





#60

1,1,1,2-Tetrachloroethane

Concen: 0.46 ug/l

RT: 9.21 min Scan# 2682

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

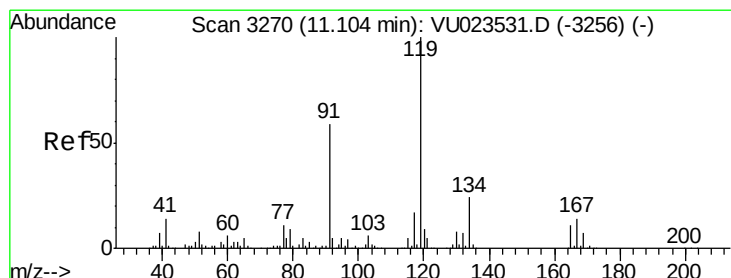
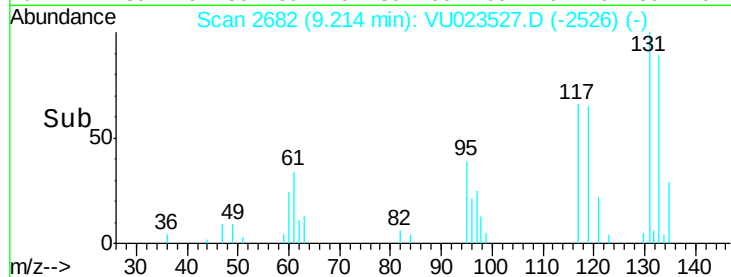
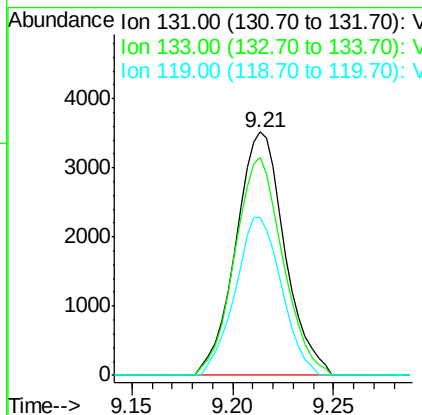
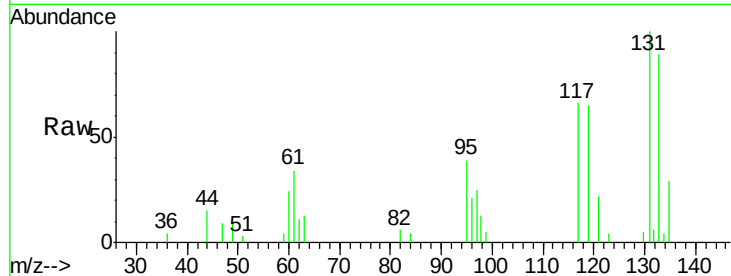
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
131	100		
133	88.1	75.8	113.8
119	61.8	53.0	79.6

Manual Integrations
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#61

Pentachloroethane

Concen: 0.45 ug/l

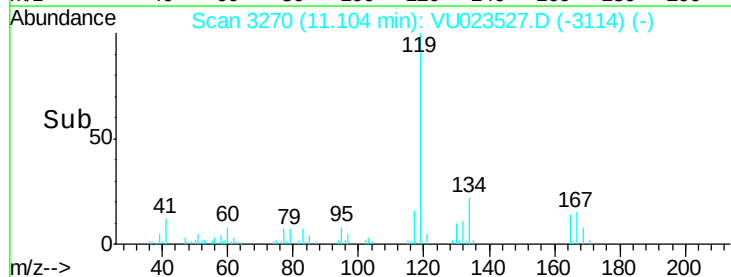
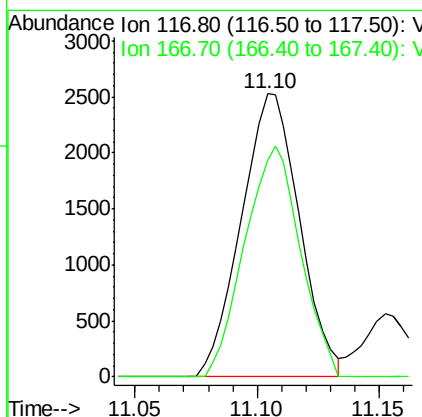
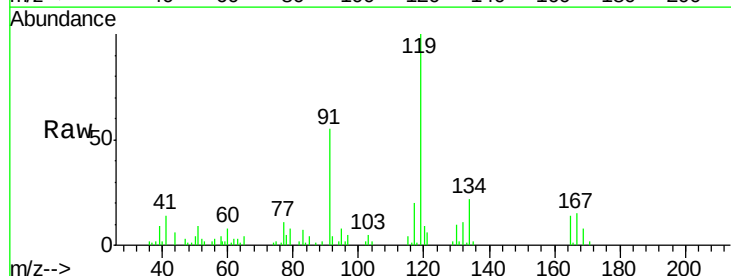
RT: 11.10 min Scan# 3270

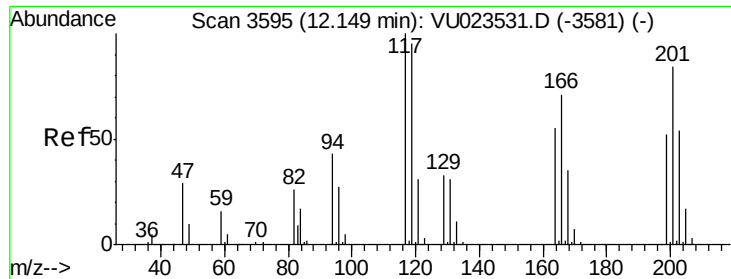
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
117	100		
167	78.0	69.2	103.8





#62

Hexachloroethane

Concen: 0.49 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 4129

Ion Ratio Lower Upper

117 100

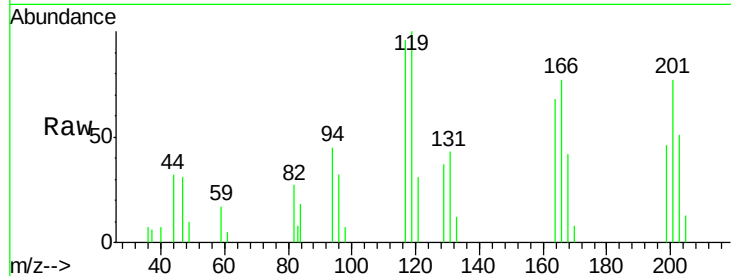
201 80.0 68.7 103.1

Manual Integrations

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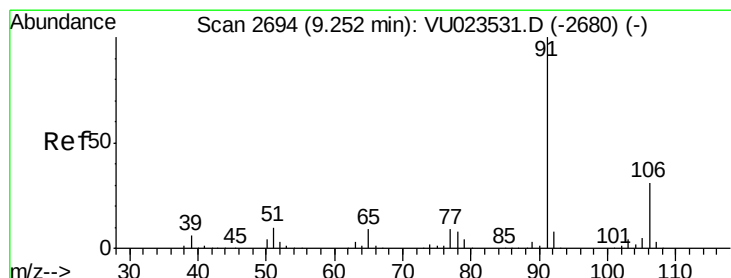
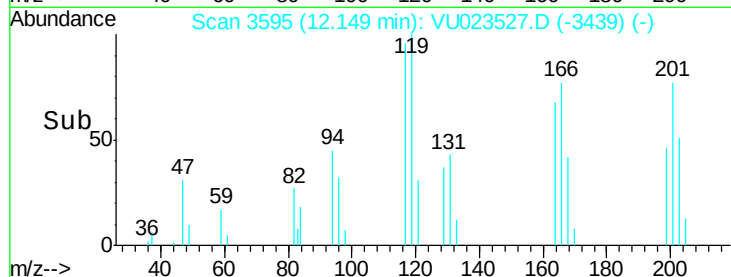
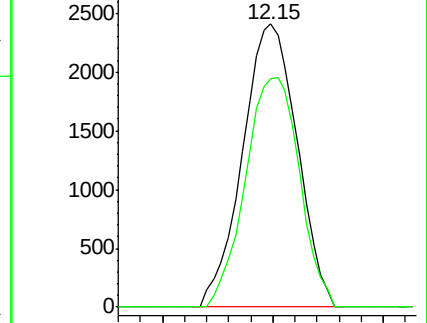
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.40 ug/l

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023527.D

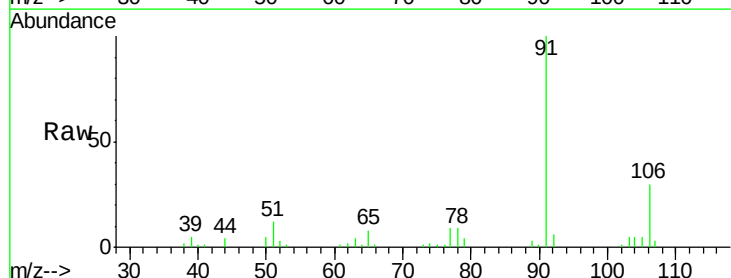
Acq: 30 Apr 2018 14:58

Tgt Ion: 91 Resp: 25295

Ion Ratio Lower Upper

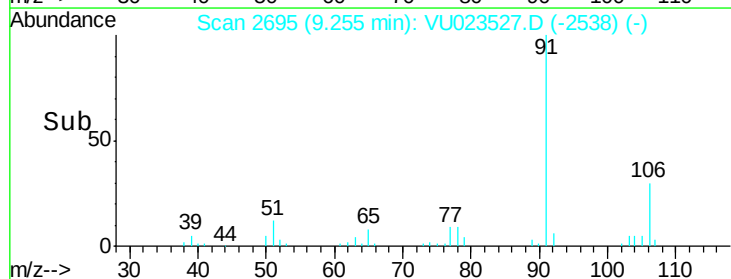
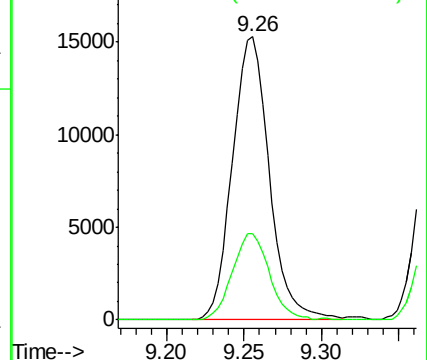
91 100

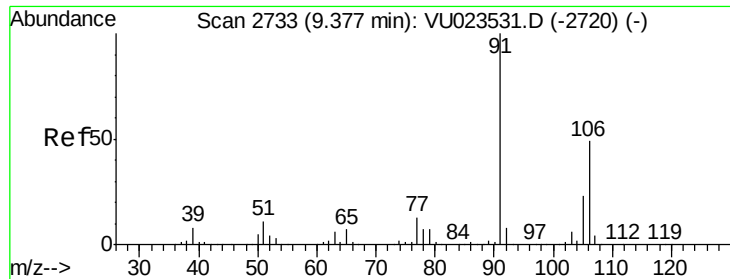
106 30.4 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





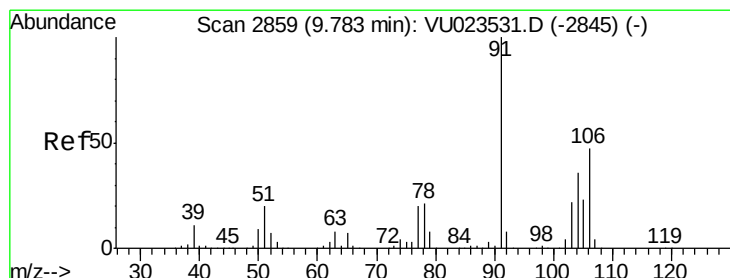
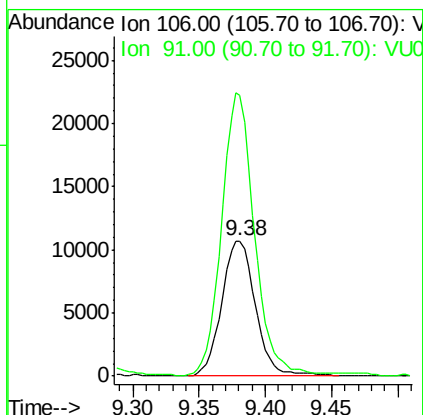
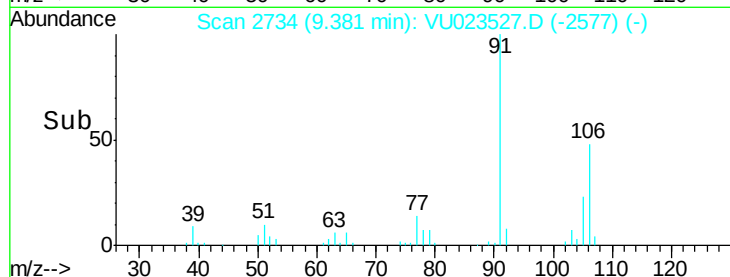
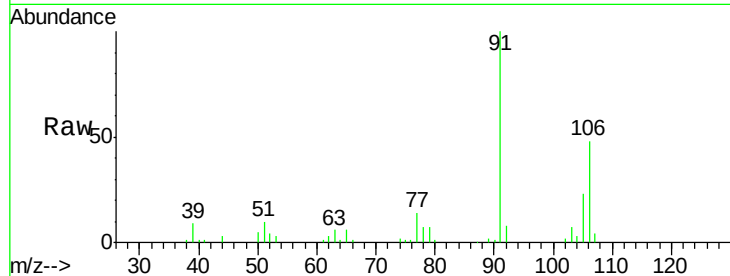
#64
m/p-Xylenes
Concen: 0.78 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion:106 Resp: 18977
Ion Ratio Lower Upper
106 100
91 203.3 164.1 246.1

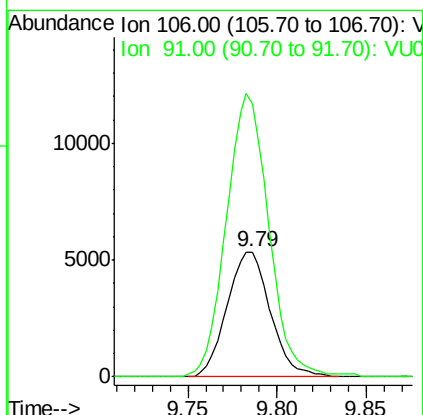
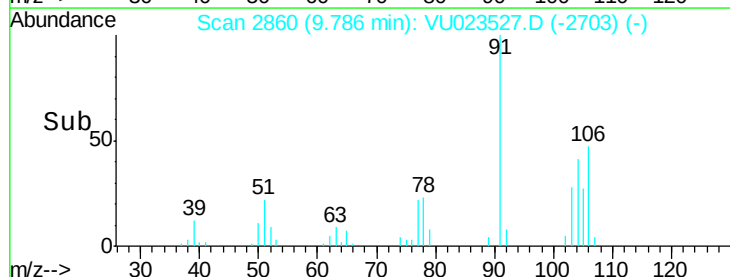
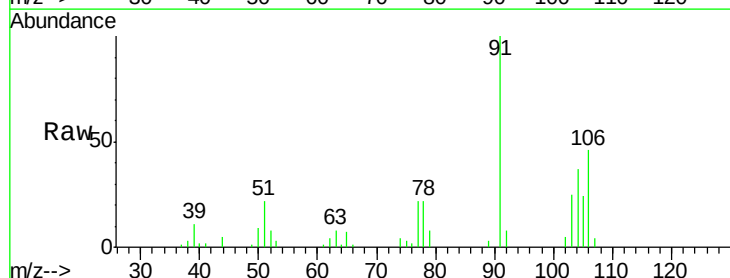
Manual Integrations
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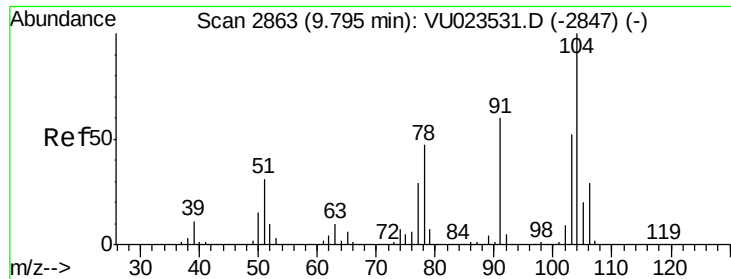
apatel
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#65
o-Xylene
Concen: 0.38 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU023527.D
Acq: 30 Apr 2018 14:58

Tgt Ion:106 Resp: 9036
Ion Ratio Lower Upper
106 100
91 221.8 107.9 323.7





#66

Stvrene

Concen: 0.36 ug/l

RT: 9.80 min Scan# 2864

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

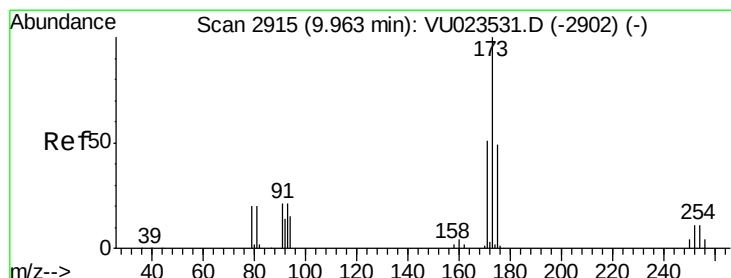
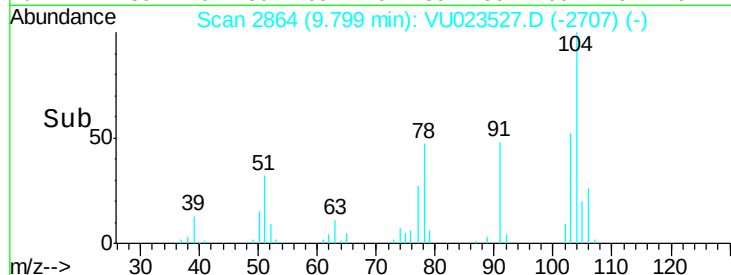
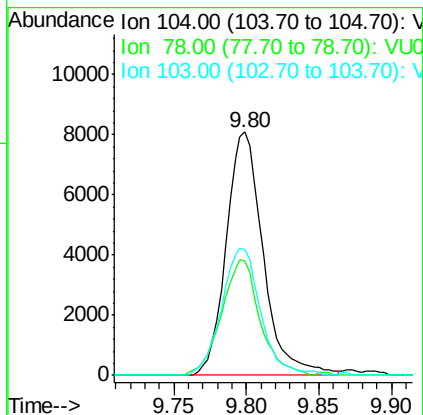
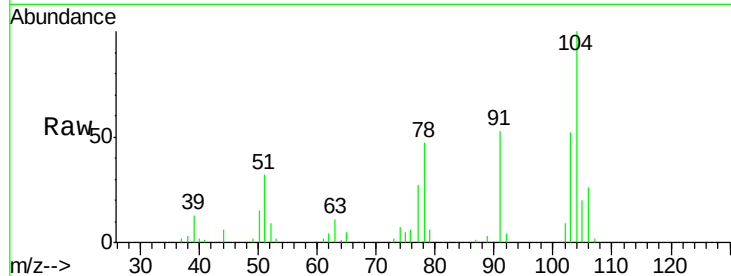
ClientSampled :

VSTDIC0.5

Tot Ion:	104	Resp:	14301
Ion Ratio	Lower	Upper	
104	100		
78	49.2	40.2	60.2
103	55.0	44.2	66.4

Manual Integrations
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#67

Bromoform

Concen: 0.43 ug/l

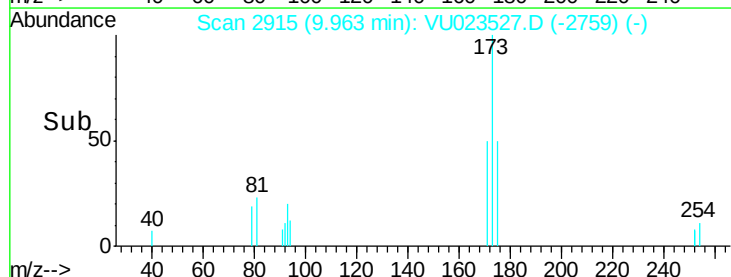
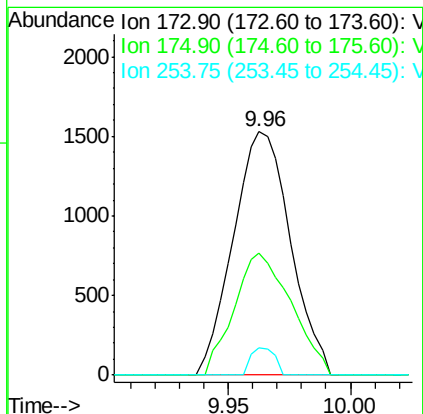
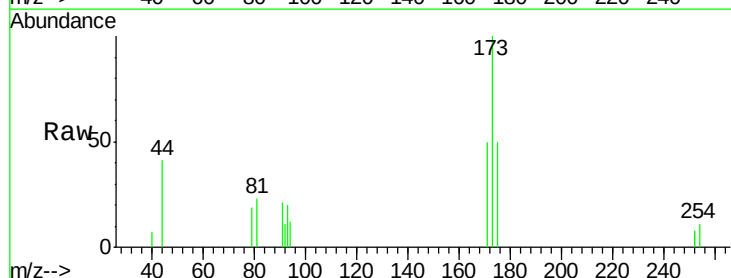
RT: 9.96 min Scan# 2915

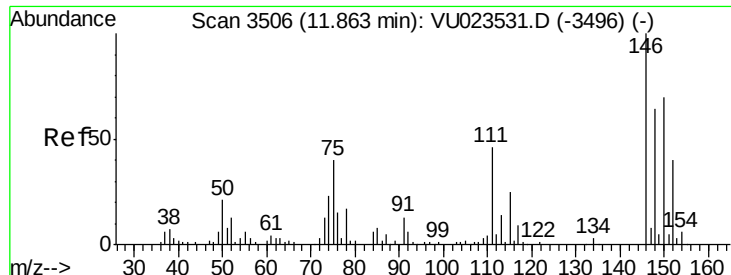
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	173	Resp:	2480
Ion Ratio	Lower	Upper	
173	100		
175	50.0	38.6	57.8
254	4.6	8.8	13.2#





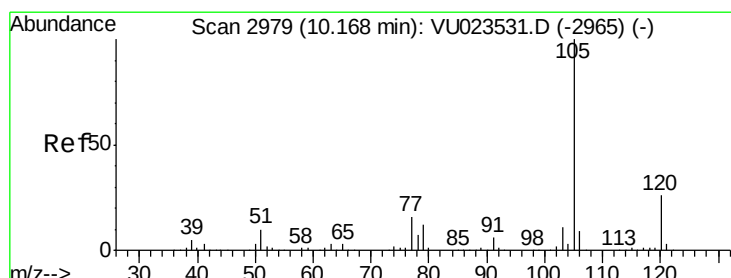
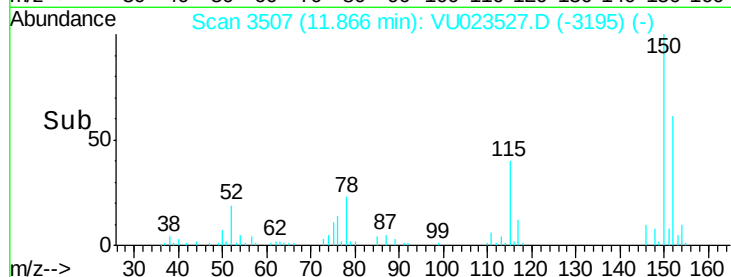
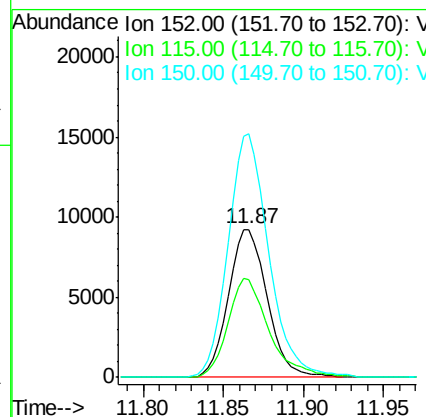
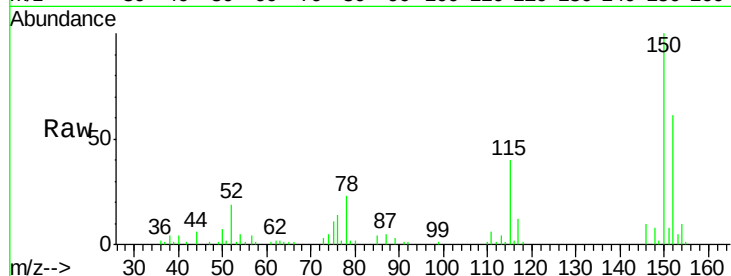
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.43 ug/l
 RT: 11.87 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.3	0.0	118.8
150	173.1	0.0	0.0#

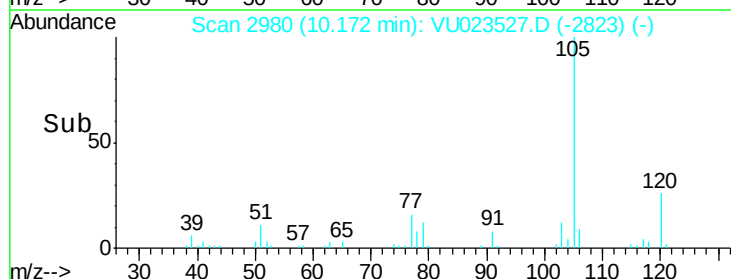
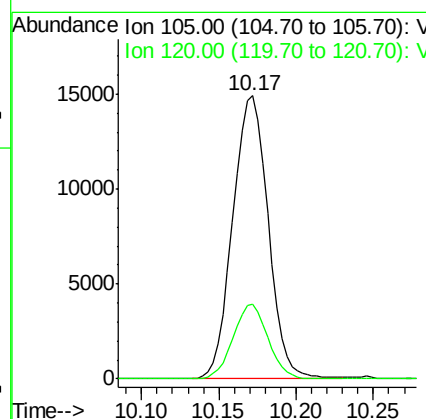
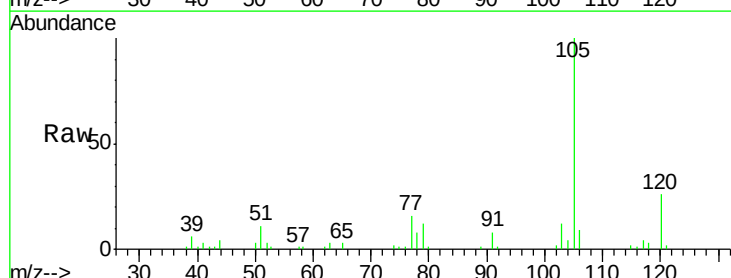
Manual Integrations
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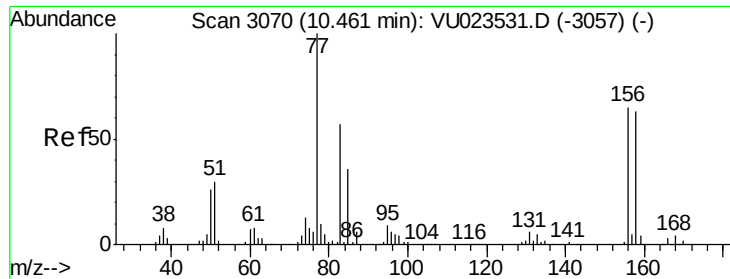
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#69
 Isopropylbenzene
 Concen: 0.40 ug/l
 RT: 10.17 min Scan# 2980
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.3





#70

1,1,2,2-Tetrachloroethane

Concen: 0.40 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

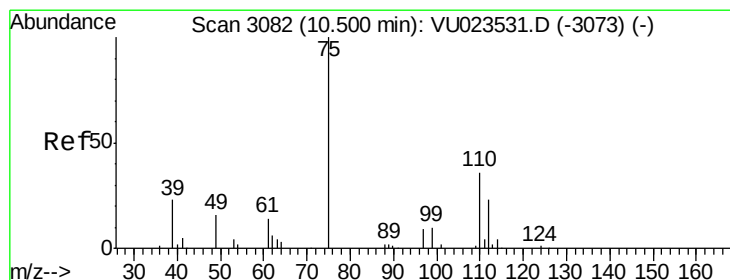
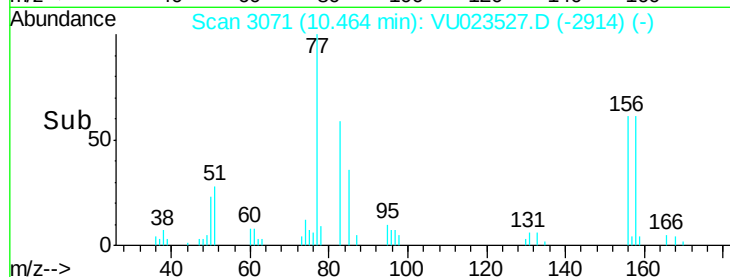
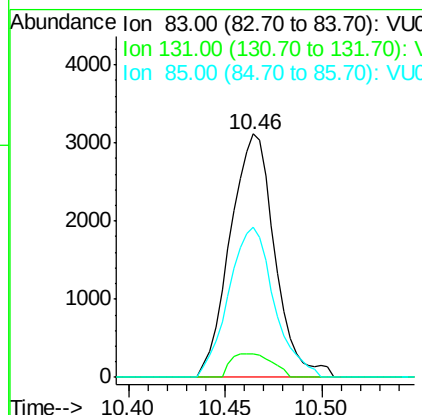
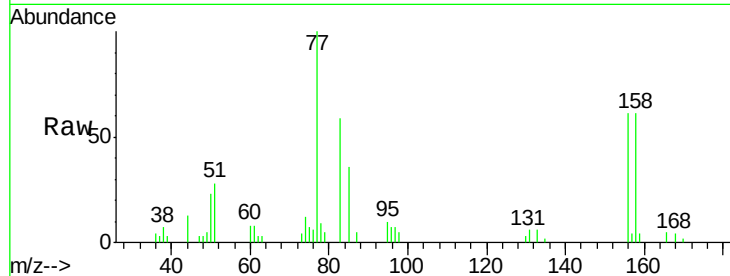
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	4987
Ion	Ratio	Lower	Upper
83	100		
131	9.0	7.9	11.9
85	62.9	51.8	77.6

Manual Integrations
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#71

1,2,3-Trichloropropane

Concen: 0.36 ug/l

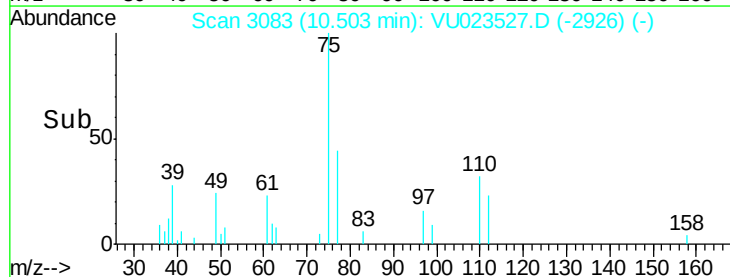
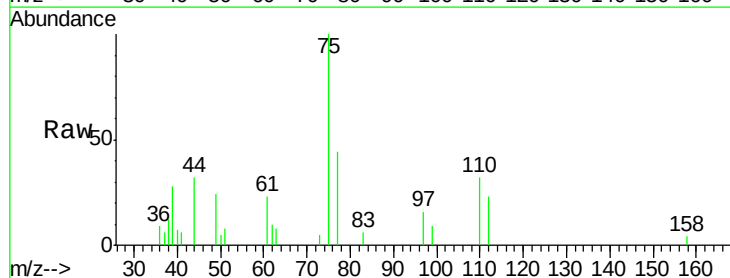
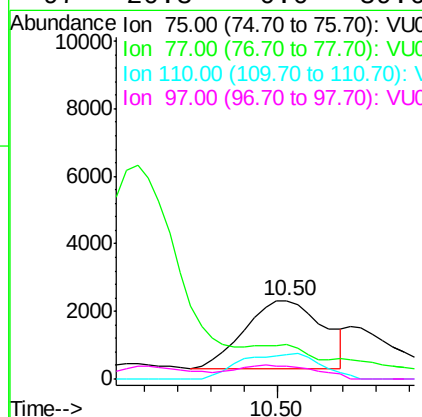
RT: 10.50 min Scan# 3083

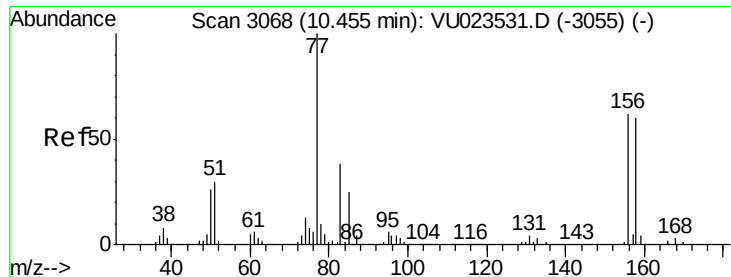
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	75	Resp:	3313
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	38.2	0.0	74.0
97	20.3	0.0	39.6





#72

Bromobenzene

Concen: 0.39 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

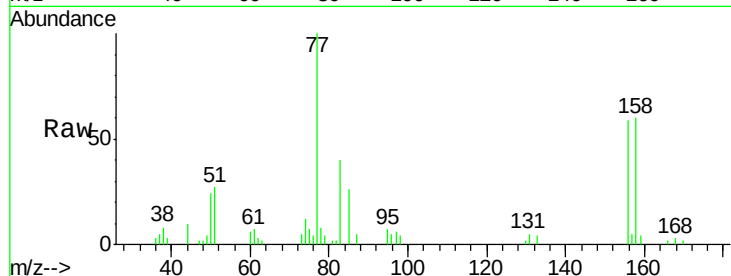
ClientSampleId :

VSTDIC0.5

Tot Ion:	156	Resp:	6281
Ion Ratio	Lower	Upper	
156	100		
77	174.1	0.0	309.8
158	101.4	0.0	193.0

Manual Integrations
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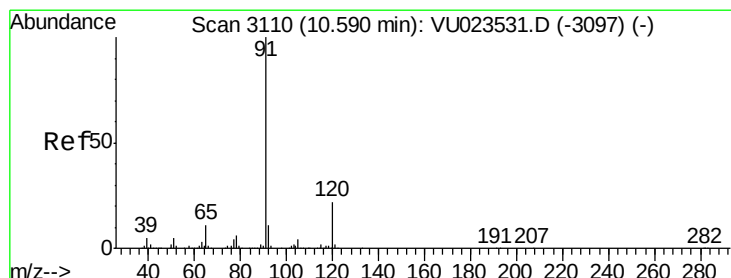
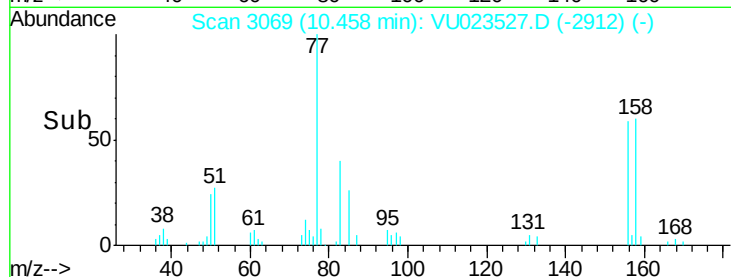
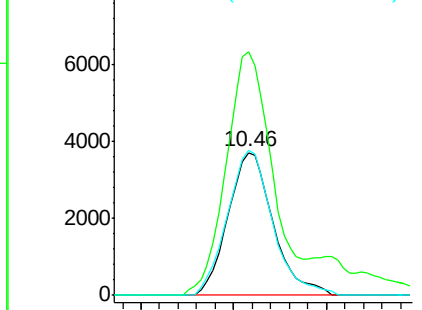
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V



#73

n-propylbenzene

Concen: 0.38 ug/l

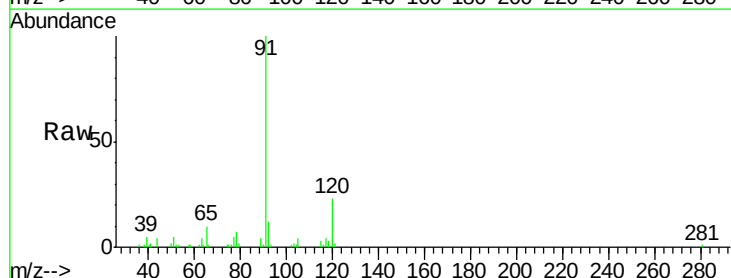
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU023527.D

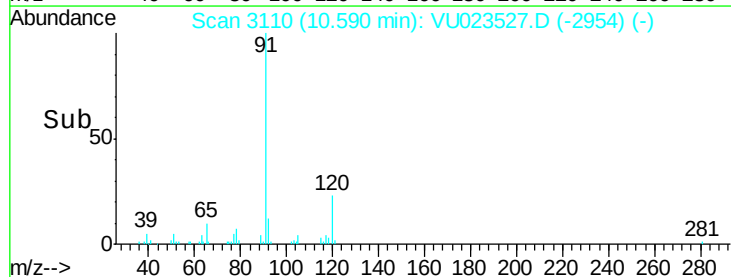
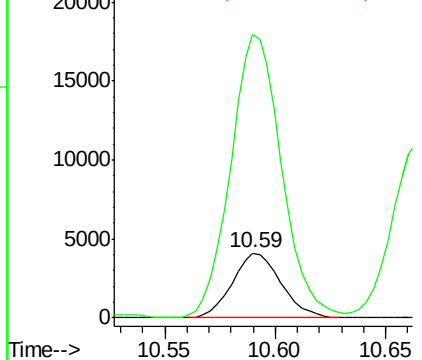
Acq: 30 Apr 2018 14:58

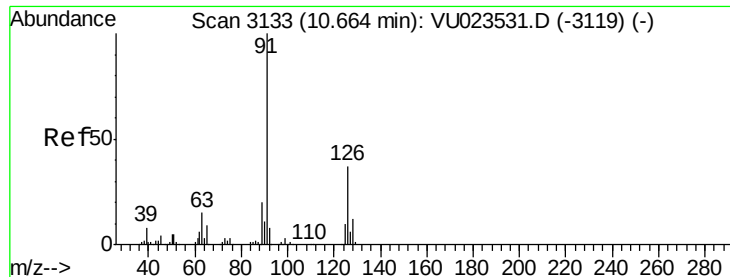
Tgt Ion:	120	Resp:	6299
Ion Ratio	Lower	Upper	
120	100		
91	457.5	352.2	528.4



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0





#74

2-Chlorotoluene

Concen: 0.39 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 5994

Ion Ratio Lower Upper

126 100

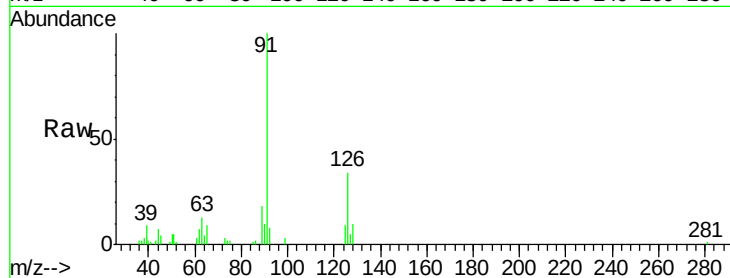
91 314.7 0.0 613.0

Manual Integrations

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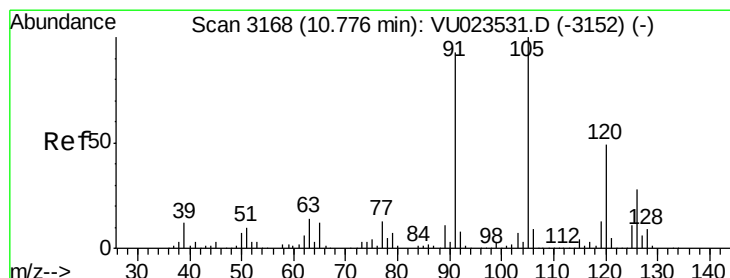
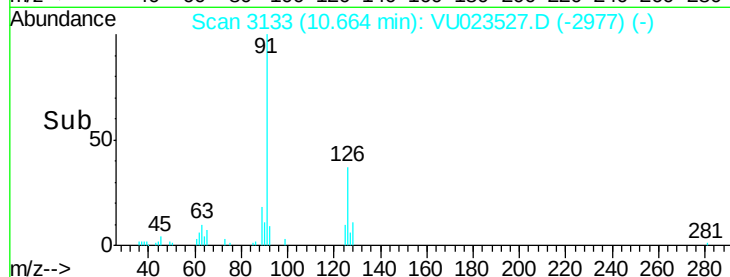
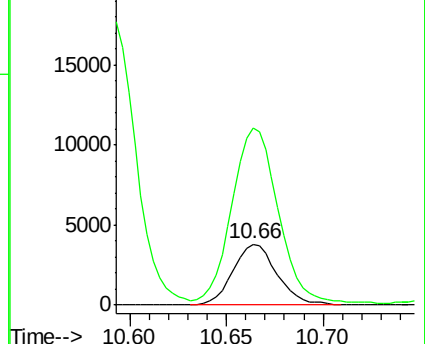
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Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



#75

1,3,5-Trimethylbenzene

Concen: 0.36 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU023527.D

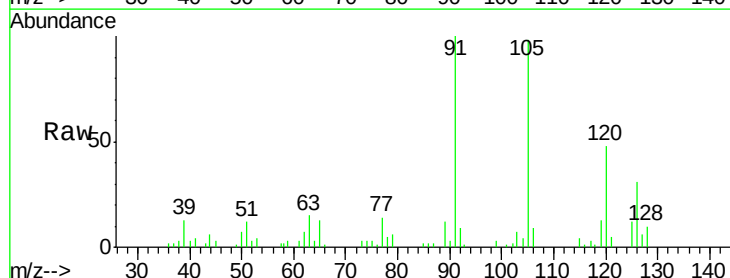
Acq: 30 Apr 2018 14:58

Tgt Ion:105 Resp: 18478

Ion Ratio Lower Upper

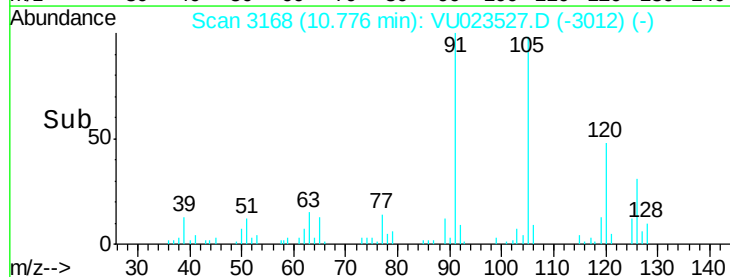
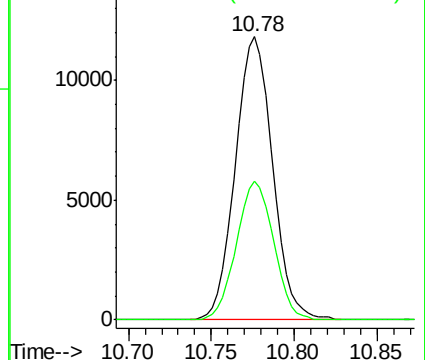
105 100

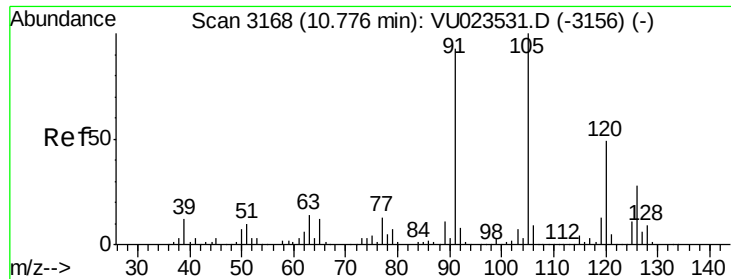
120 49.0 39.0 58.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





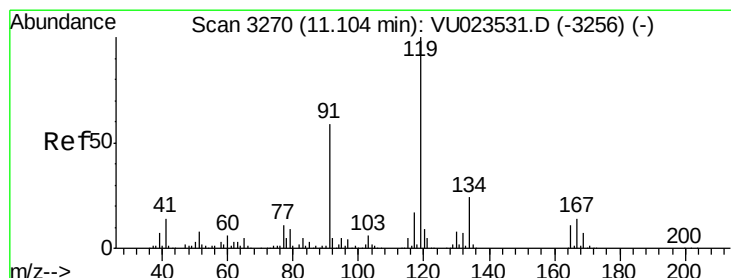
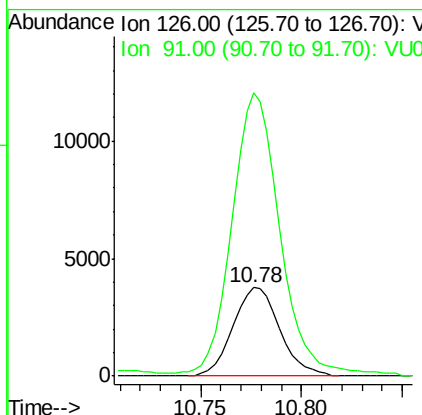
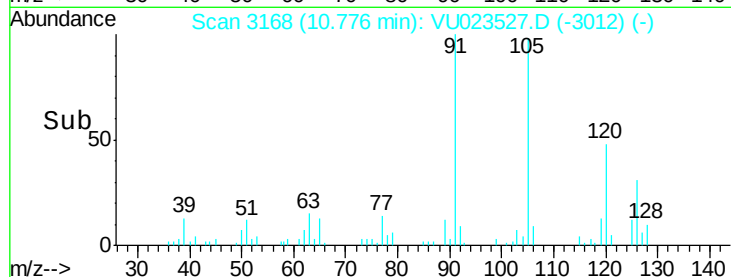
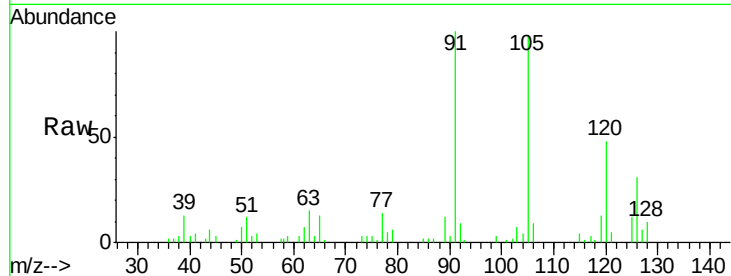
#76
 4-Chlorotoluene
 Concen: 0.39 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion:126 Resp: 6126
 Ion Ratio Lower Upper
 126 100
 91 330.6 0.0 667.2

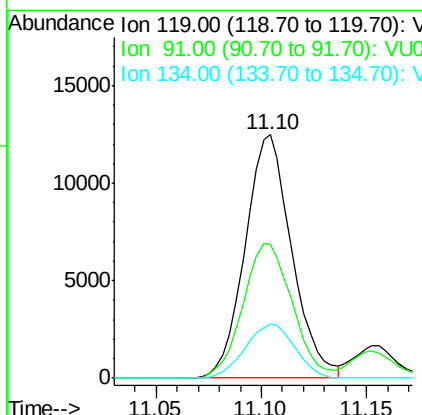
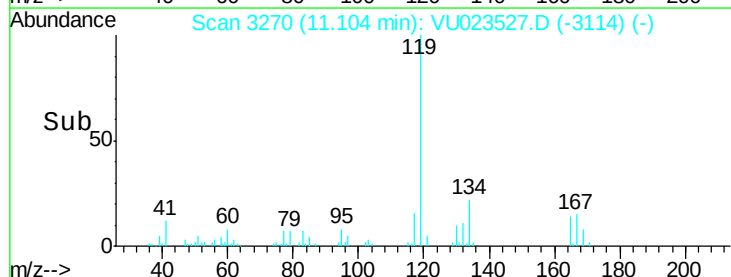
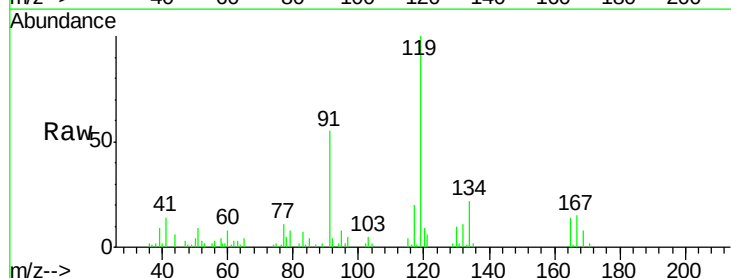
Manual Integrations
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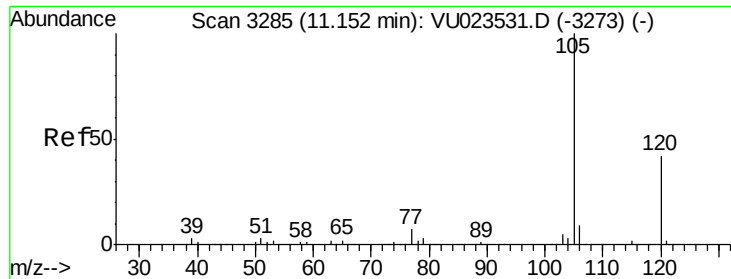
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#77
 tert-Butylbenzene
 Concen: 0.39 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion:119 Resp: 19173
 Ion Ratio Lower Upper
 119 100
 91 58.1 29.6 88.8
 134 23.5 19.1 28.7





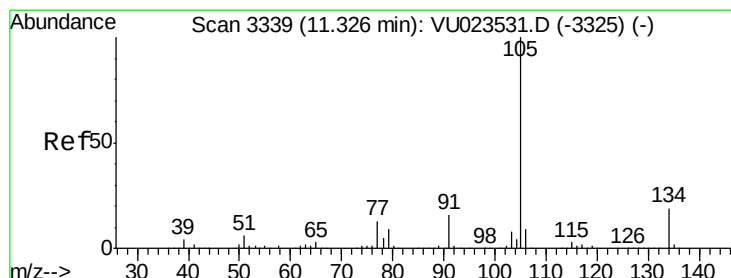
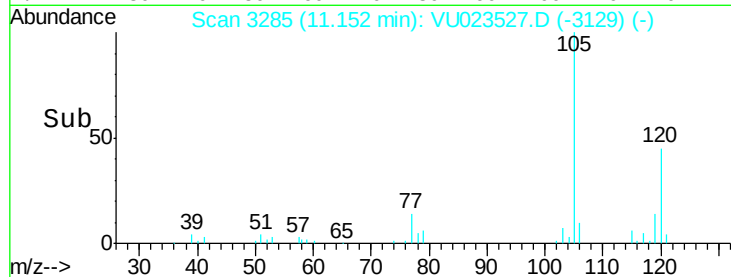
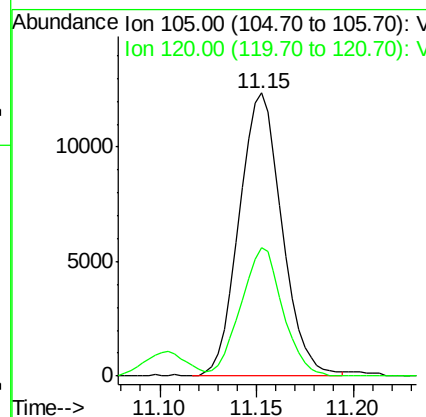
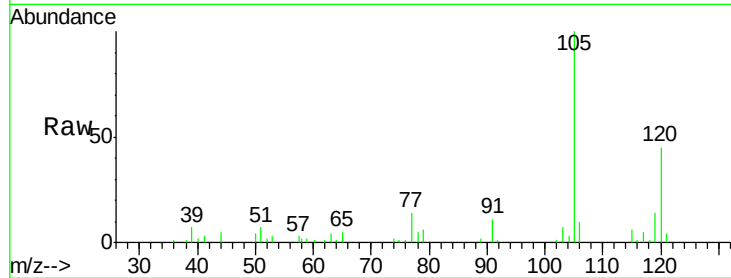
#78
 1,2,4-Trimethylbenzene
 Concen: 0.36 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion:105 Resp: 19035
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.1 69.3

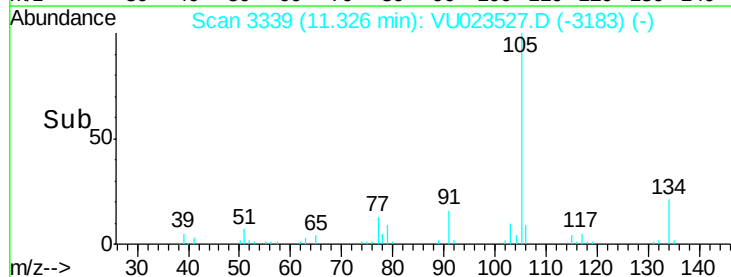
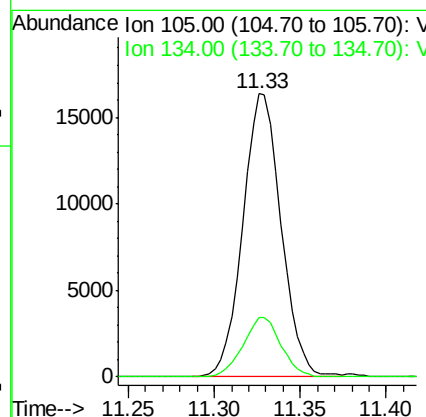
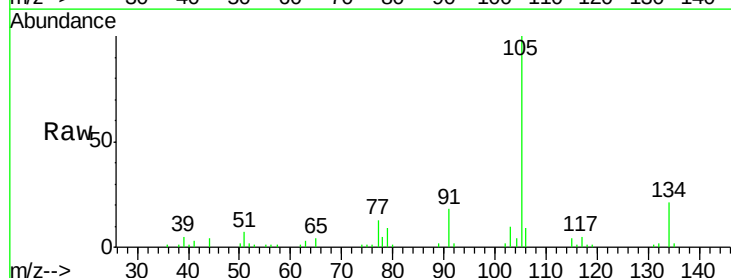
Manual Integrations
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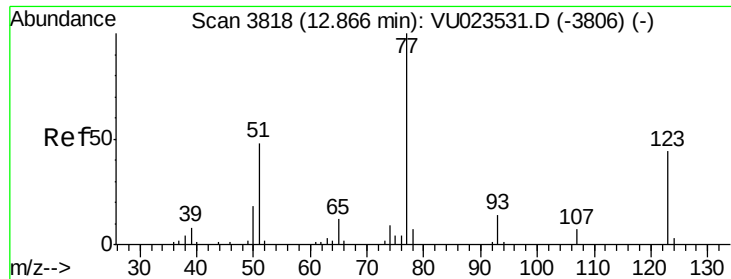
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#79
 sec-Butylbenzene
 Concen: 0.39 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion:105 Resp: 25358
 Ion Ratio Lower Upper
 105 100
 134 20.6 15.6 23.4





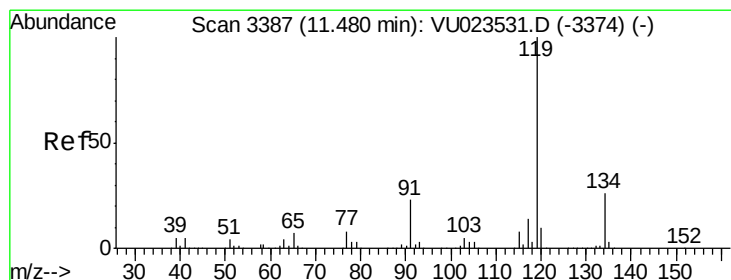
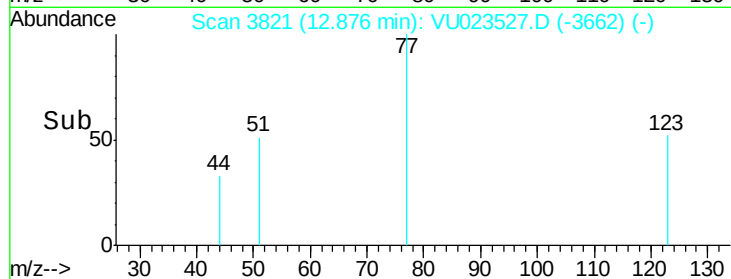
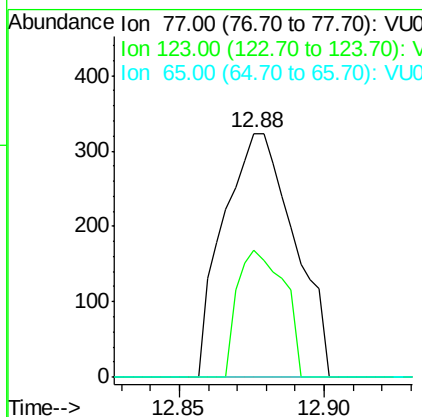
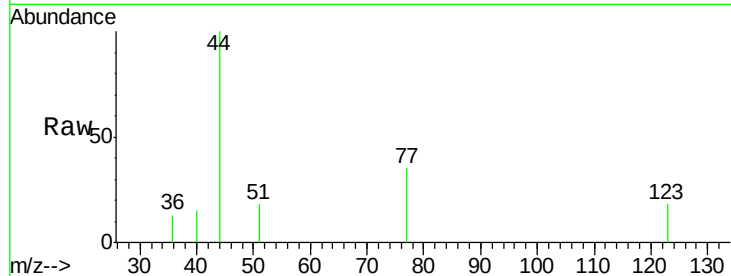
#80
 Nitrobenzene
 Concen: 1.94 ug/l
 RT: 12.88 min Scan# 3821
 Delta R.T. 0.01 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
77	100		
123	34.4	19.4	68.6
65	0.0	11.2	14.2

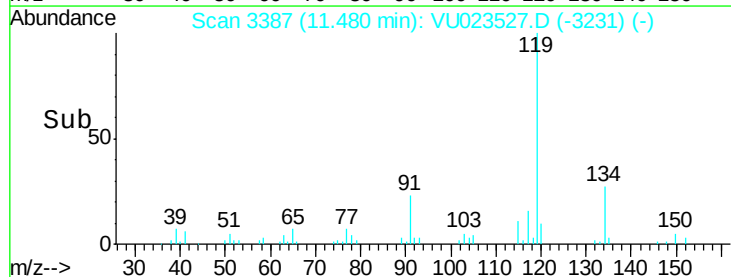
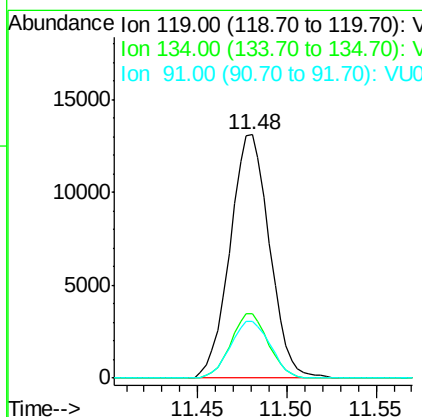
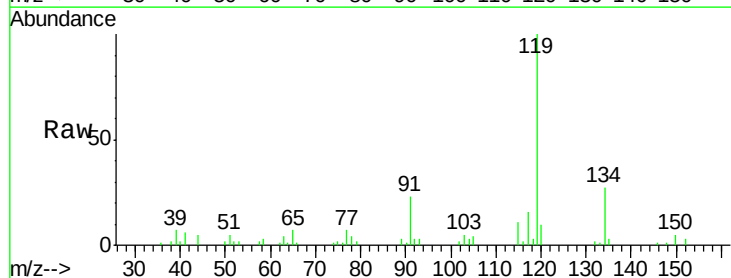
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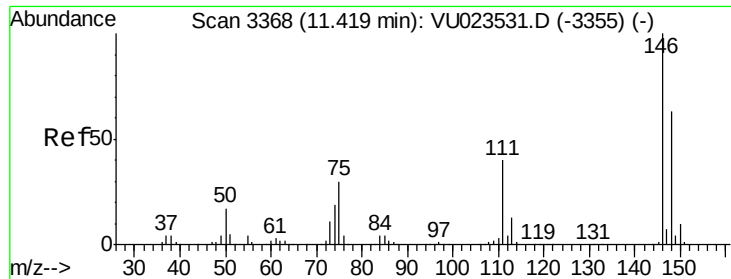
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#81
 p-Isopropyltoluene
 Concen: 0.37 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.9	31.3
91	23.6	18.2	27.2





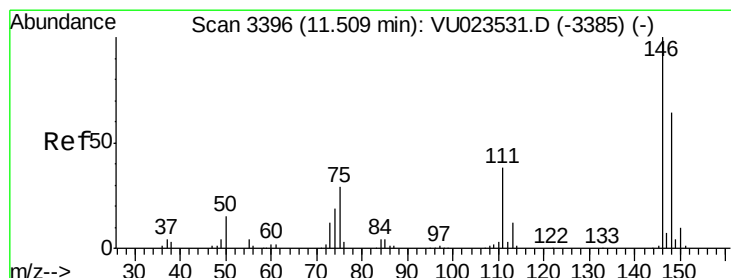
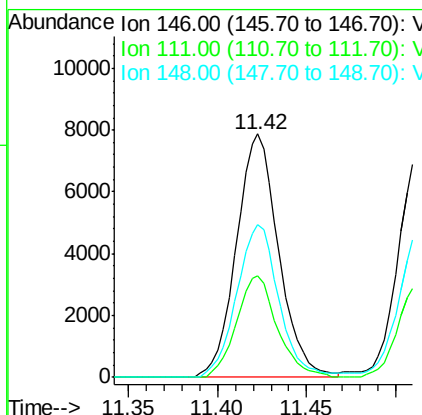
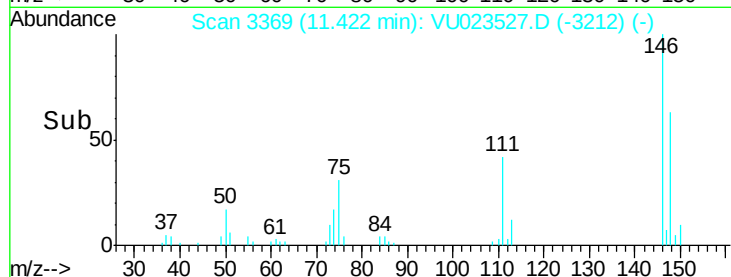
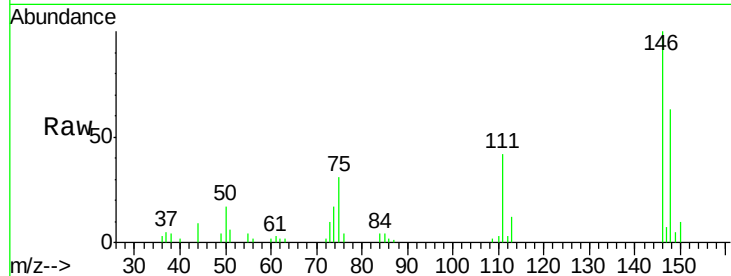
#82
 1,3-Dichlorobenzene
 Concen: 0.42 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	31.8	47.6
148	62.7	51.0	76.4

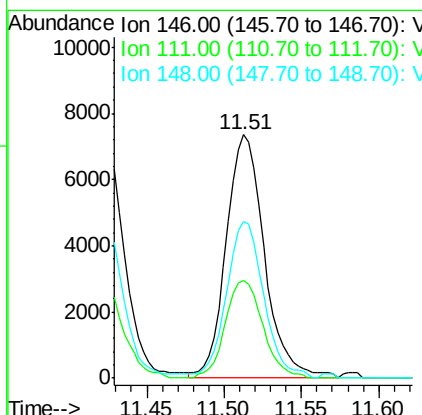
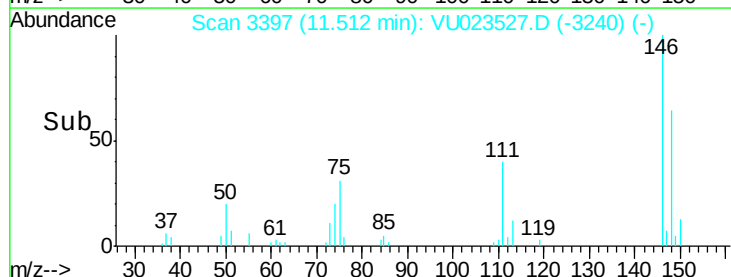
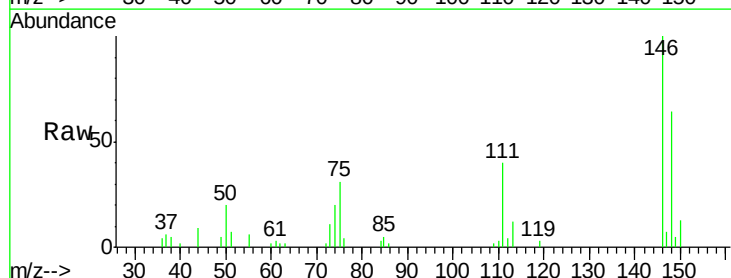
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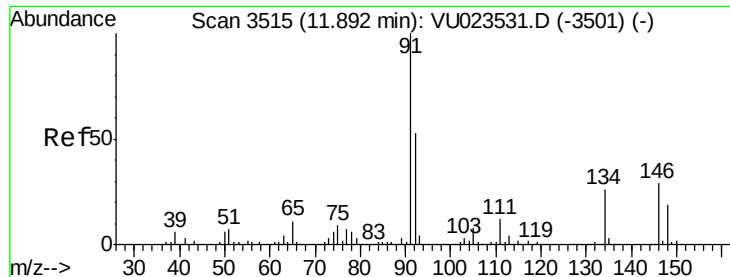
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#83
 1,4-Dichlorobenzene
 Concen: 0.40 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	30.1	45.1
148	62.6	50.6	76.0





#84

n-Butylbenzene

Concen: 0.38 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

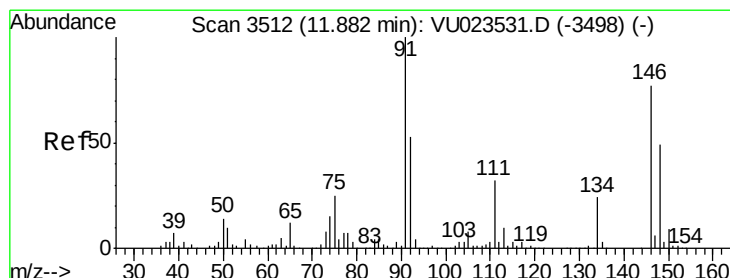
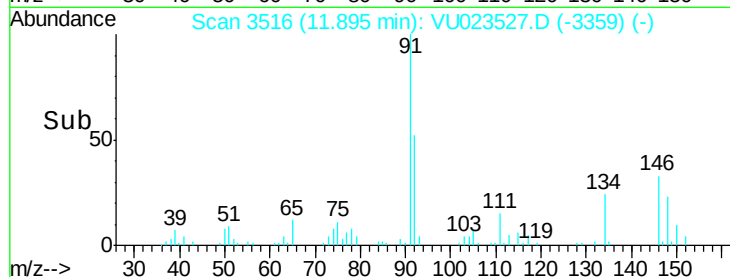
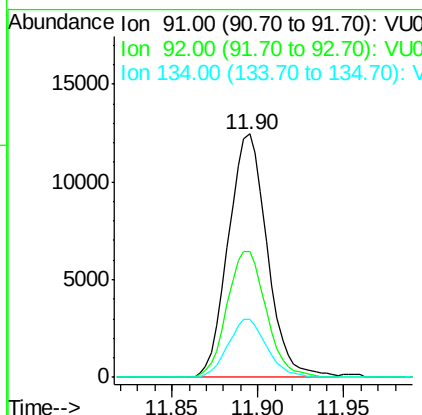
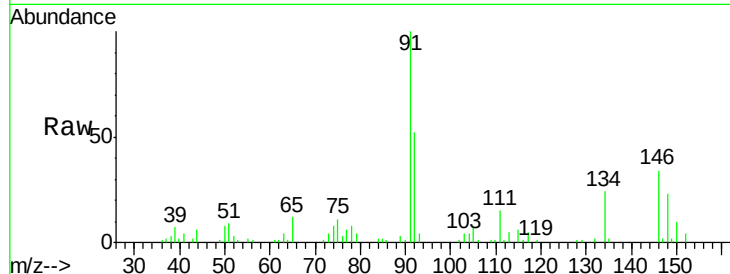
ClientSampleId :

VSTDIC0.5

Tot Ion:	91	Resp:	19630
Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.2	63.2
134	23.6	20.3	30.5

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#85

1,2-Dichlorobenzene

Concen: 0.40 ug/l

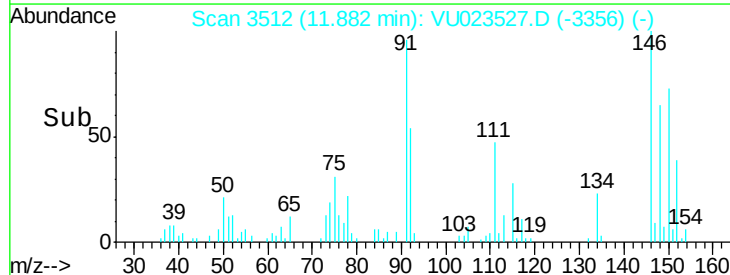
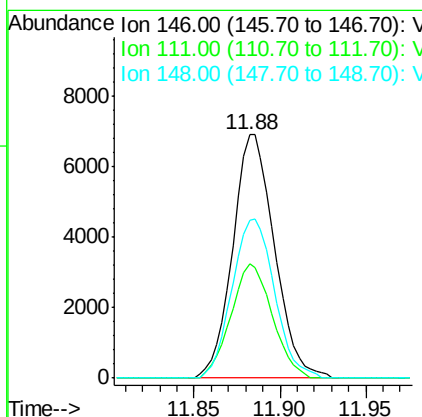
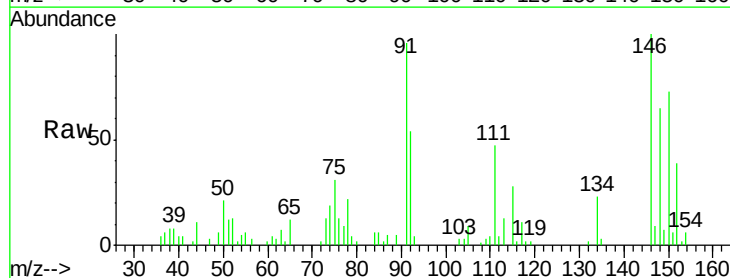
RT: 11.88 min Scan# 3512

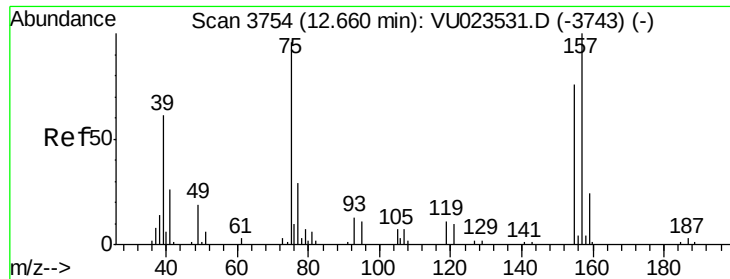
Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Tgt Ion:	146	Resp:	11642
Ion	Ratio	Lower	Upper
146	100		
111	46.3	20.7	62.1
148	66.4	31.9	95.5





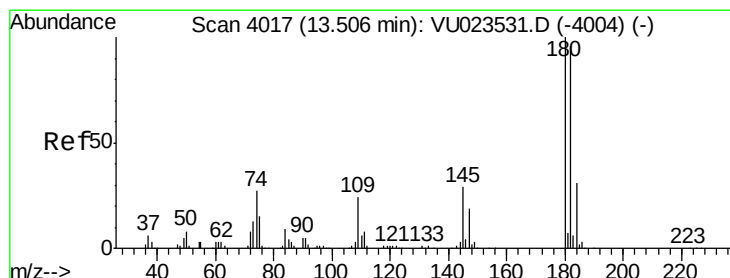
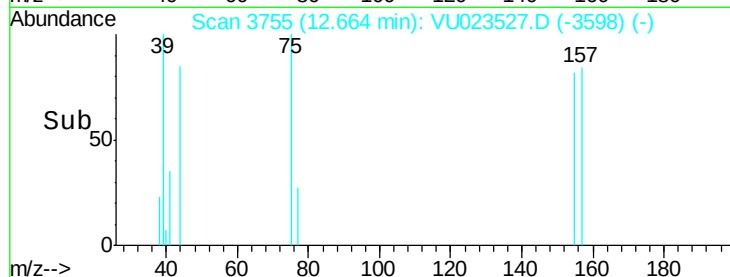
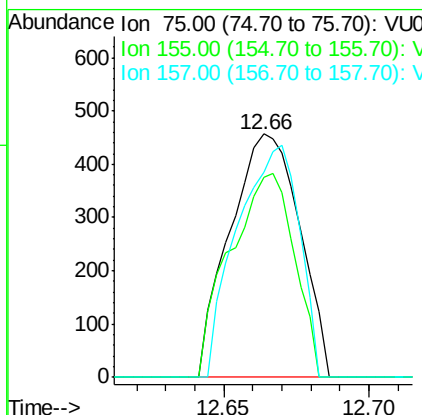
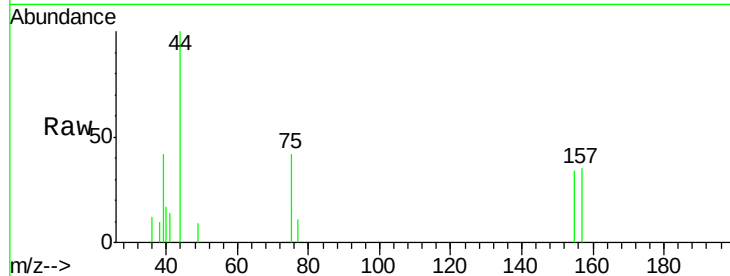
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.45 ug/l
 RT: 12.66 min Scan# 3755
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
155	77.5	65.8	98.6
157	84.9	83.5	125.3

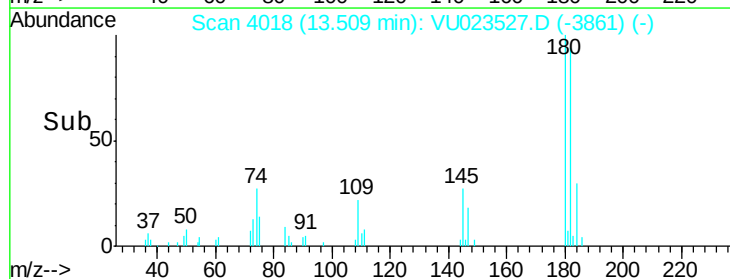
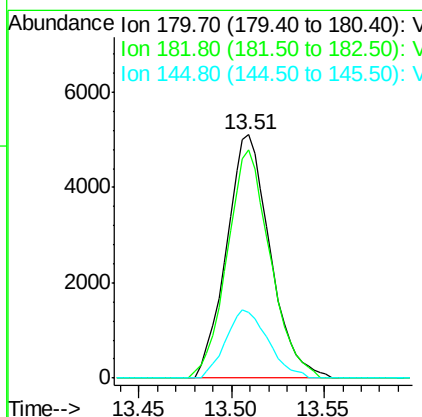
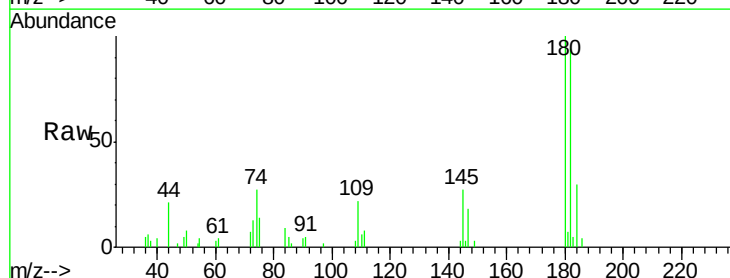
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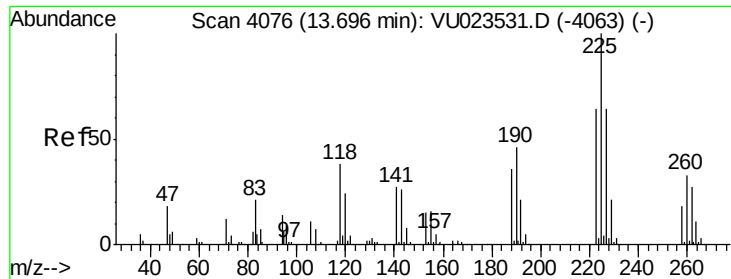
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.41 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	77.1	115.7
145	27.1	23.3	34.9





#88

Hexachlorobutadiene

Concen: 0.45 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU023527.D

Acq: 30 Apr 2018 14:58

Instrument :

MSVOA_U

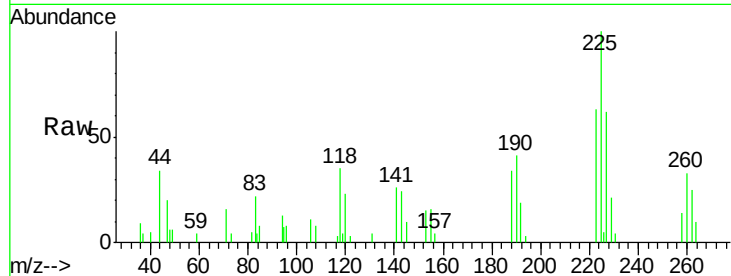
ClientSampleId :

VSTDIC0.5

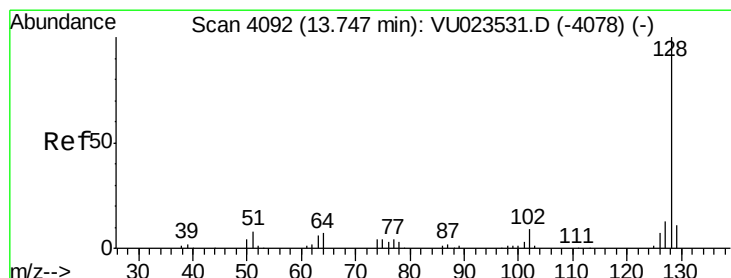
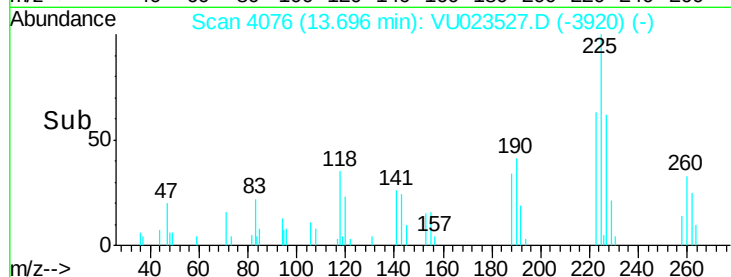
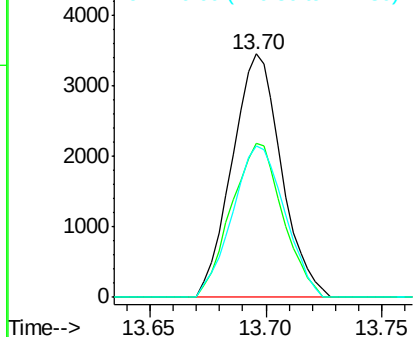
Tot Ion:	225	Resp:	5108
Ion	Ratio	Lower	Upper
225	100		
223	66.0	50.6	75.8
227	66.0	51.8	77.6

Manual Integrations
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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: 0.32 ug/l

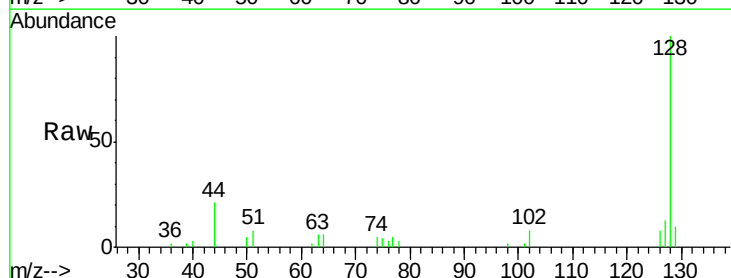
RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

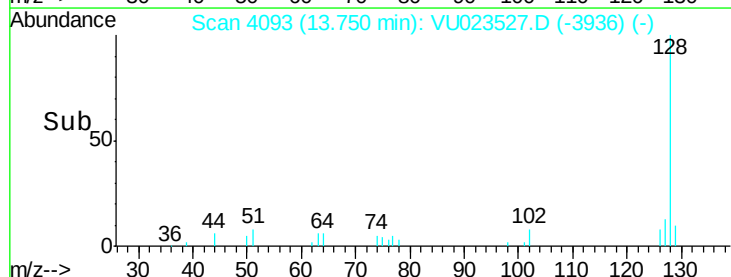
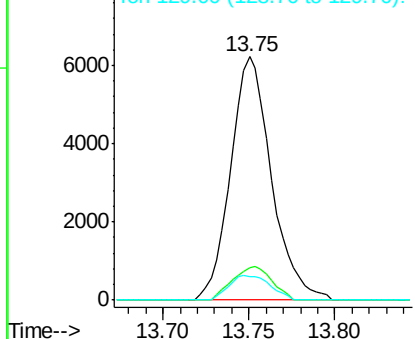
Lab File: VU023527.D

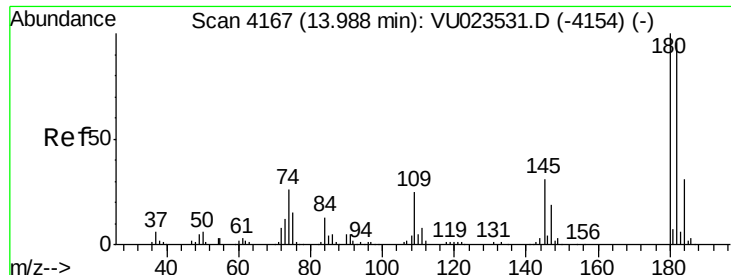
Acq: 30 Apr 2018 14:58

Tgt Ion:	128	Resp:	10310
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.0	8.7	13.1



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





#90
 1,2,3-Trichlorobenzene
 Concen: 0.40 ug/l
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU023527.D
 Acq: 30 Apr 2018 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.6	76.8	115.2
145	27.2	24.6	36.8

Manual Integrations
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