

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031506.D
 Acq On : 25 Apr 2019 17:35
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:20:56 PM

Quant Time: Apr 26 04:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	87632	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	29151	0.97	ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	25046	0.88	ug/l	0.00
Spiked Amount 1.000			Recovery	=	88.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	19822	0.507	ug/l	94
3) Chloromethane	1.32	50	26755	0.574	ug/l	99
4) Vinyl Chloride	1.40	62	23980	0.543	ug/l	99
5) Bromomethane	1.63	94	12979	0.597	ug/l	88
6) Chloroethane	1.70	64	13418	0.537	ug/l	100
7) Trichlorofluoromethane	1.88	101	26468	0.526	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	12161	0.478	ug/l	98
9) 1,1-Dichloroethene	2.28	96	13188	0.522	ug/l	94
10) Iodomethane	2.41	142	12862	0.470	ug/l	98
11) Allyl Chloride	2.59	41	29657	0.545	ug/l	100
12) Acrylonitrile	2.94	53	8703	1.152	ug/l #	92
13) Acetone	2.33	43	21236	3.037	ug/l	95
14) Carbon Disulfide	2.48	76	51471	0.536	ug/l	99
15) Methylene Chloride	2.70	84	19517	0.608	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	14697	0.518	ug/l	98
17) 1,1-Dichloroethane	3.44	63	31866	0.552	ug/l	100
18) 2-Butanone	4.30	43	21195	2.352	ug/l	89
19) Cyclohexane	4.98	56	20407m	0.458	ug/l	
20) Methylcyclohexane	6.41	83	14827	0.414	ug/l	95
21) 2,2-Dichloropropane	4.22	77	23618	0.562	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	15930	0.539	ug/l	96
23) Diethyl Ether	2.10	59	12498	0.520	ug/l	95
24) tert-Butyl Alcohol	2.87	59	13617	5.476	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	38329	0.529	ug/l	95
26) Bromochloromethane	4.55	128	6638m	0.527	ug/l	
27) Chloroform	4.67	83	29092	0.535	ug/l	91
28) 1,1,1-Trichloroethane	4.91	97	24015	0.534	ug/l	98
29) 1,1-Dichloropropene	5.13	75	16539	0.452	ug/l	97
30) Carbon Tetrachloride	5.13	117	19717	0.511	ug/l	97
31) Isopropyl Ether	3.57	45	44048	0.510	ug/l	93
32) Ethyl-t-butyl ether	4.07	59	33983	0.481	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	25689	0.457	ug/l #	96
34) Propionitrile	4.37	54	6049m	2.638	ug/l	
35) Benzene	5.39	78	54727	0.486	ug/l	99
36) 1,2-Dichloroethane	5.41	62	19630	0.546	ug/l	97
37) Trichloroethene	6.18	130	14498	0.520	ug/l	91
38) 1,2-Dichloropropane	6.43	63	16552	0.527	ug/l	90
39) Methacrylonitrile	4.57	41	4327	0.429	ug/l #	51
40) Methyl acrylate	4.45	55	4868	0.639	ug/l #	79
41) Tetrahydrofuran	4.67	42	5469	0.999	ug/l #	83
42) 1-Chlorobutane	5.06	56	26306	0.471	ug/l	98

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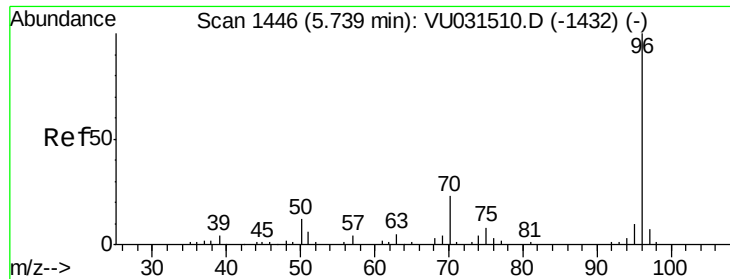
Manual Integrations
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 4/26/2019 12:20:56 PM

Quant Time: Apr 26 04:36:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 04:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	8665	0.568	ug/l	90
44) Bromodichloromethane	6.76	83	19919	0.513	ug/l	94
45) 4-Methyl-2-Pentanone	7.47	43	42653	2.312	ug/l	93
46) t-1,4-Dichloro-2-butene	10.52	75	4999m	0.858	ug/l	
47) Methyl methacrylate	6.63	69	9201	0.755	ug/l #	87
48) Ethyl methacrylate	8.03	69	8126	0.698	ug/l	100
49) Toluene	7.63	92	25718	0.444	ug/l	100
50) t-1,3-Dichloropropene	7.89	75	14612	0.487	ug/l	95
51) cis-1,3-Dichloropropene	7.27	75	16899	0.449	ug/l #	91
52) 1,1,2-Trichloroethane	8.07	97	9842	0.483	ug/l	94
53) 1,3-Dichloropropane	8.25	76	17767	0.506	ug/l	97
54) 2-Hexanone	8.37	43	27264	2.207	ug/l	94
55) Dibromochloromethane	8.48	129	11896	0.523	ug/l	96
56) 1,2-Dibromoethane	8.59	107	9096	0.507	ug/l	93
58) Tetrachloroethene	8.22	164	12178	0.456	ug/l	93
59) Chlorobenzene	9.12	112	29060	0.480	ug/l	91
60) 1,1,1,2-Tetrachloroethane	9.21	131	12334	0.507	ug/l	97
61) Pentachloroethane	11.10	117	8752	0.524	ug/l	95
62) Hexachloroethane	12.14	117	8262	0.494	ug/l	99
63) Ethyl Benzene	9.25	91	39540	0.393	ug/l	95
64) m/p-Xylenes	9.37	106	28888	0.770	ug/l	89
65) o-Xylene	9.78	106	14105	0.382	ug/l	95
66) Styrene	9.79	104	21708	0.609	ug/l	93
67) Bromoform	9.96	173	6740	0.530	ug/l #	92
69) Isopropylbenzene	10.16	105	37589	0.394	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	13516	0.517	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	9742m	0.523	ug/l	
72) Bromobenzene	10.45	156	10736	0.438	ug/l	94
73) n-propylbenzene	10.58	120	8830	0.575	ug/l	100
74) 2-Chlorotoluene	10.66	126	8887	0.374	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	28875	0.530	ug/l	96
76) 4-Chlorotoluene	10.77	126	7832	0.456	ug/l	94
77) tert-Butylbenzene	11.10	119	28513	0.373	ug/l	96
78) 1,2,4-Trimethylbenzene	11.15	105	28774	0.527	ug/l	95
79) sec-Butylbenzene	11.32	105	34985	0.471	ug/l	97
81) p-Isopropyltoluene	11.47	119	27455	0.558	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	20454	0.426	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	16832	0.367	ug/l	90
84) n-Butylbenzene	11.89	91	24299	0.605	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	20917	0.463	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1836	0.510	ug/l #	71
87) 1,2,4-Trichlorobenzene	13.51	180	7503	0.319	ug/l	100
88) Hexachlorobutadiene	13.69	225	7133	0.421	ug/l	95
89) Naphthalene	13.75	128	11743	0.830	ug/l #	89
90) 1,2,3-Trichlorobenzene	13.99	180	8750	0.587	ug/l	96

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

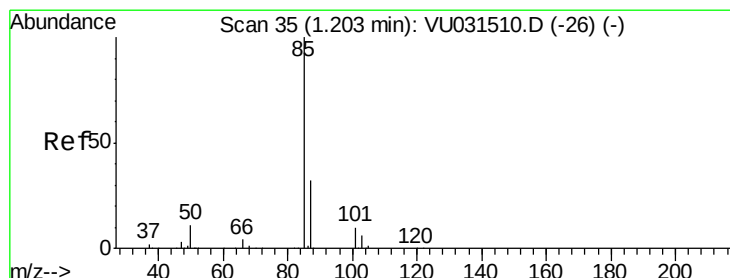
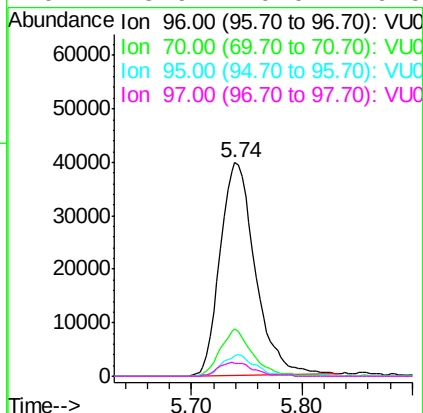
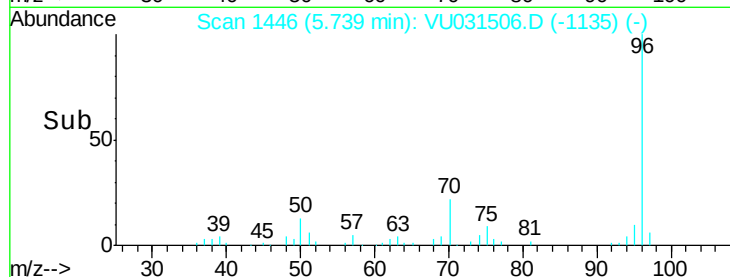
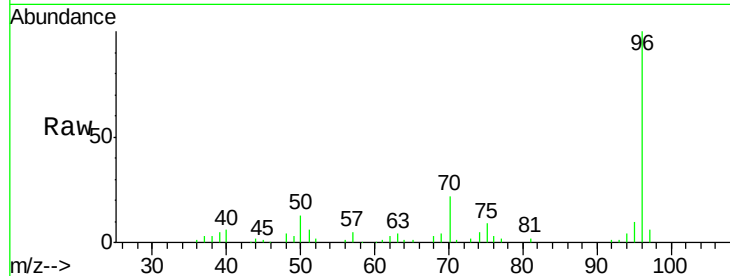
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	87632
Ion	Ratio	Lower	Upper
96	100		
70	19.7	18.2	27.2
95	9.5	7.7	11.5
97	5.9	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 0.507 ug/l

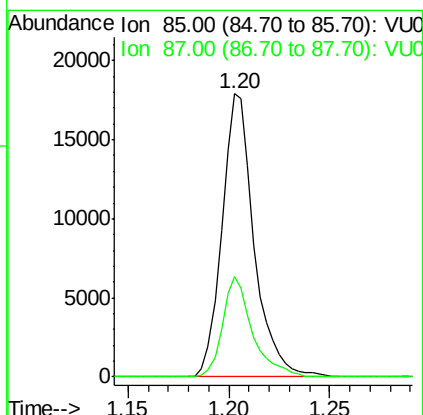
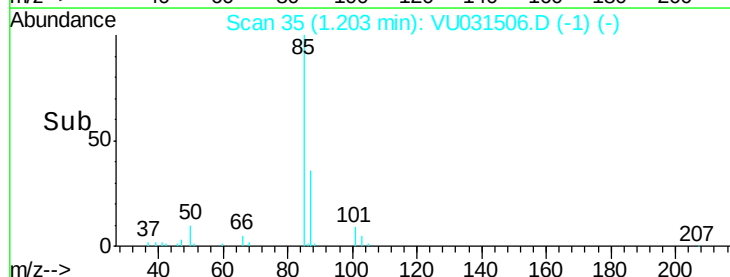
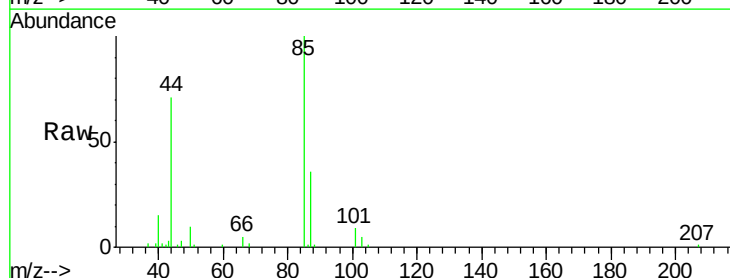
RT: 1.20 min Scan# 35

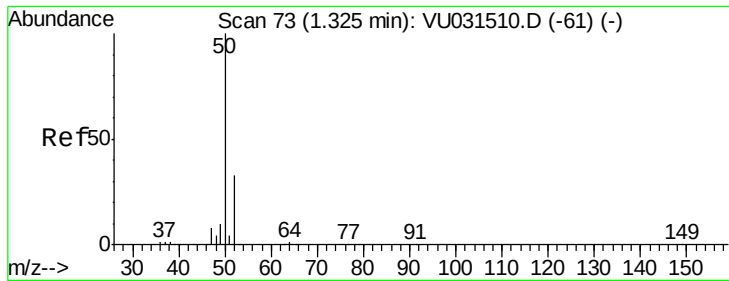
Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	85	Resp:	19822
Ion	Ratio	Lower	Upper
85	100		
87	35.6	16.1	48.2





#3

Chloromethane

Concen: 0.574 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 26755

Ion Ratio Lower Upper

50 100

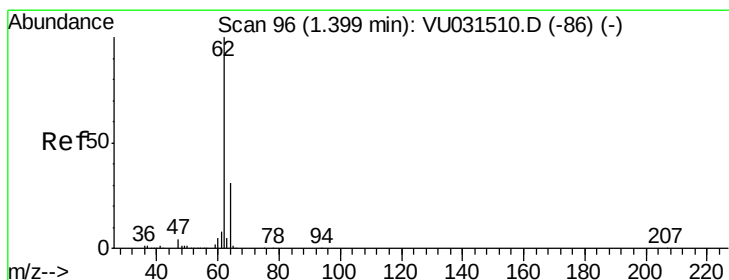
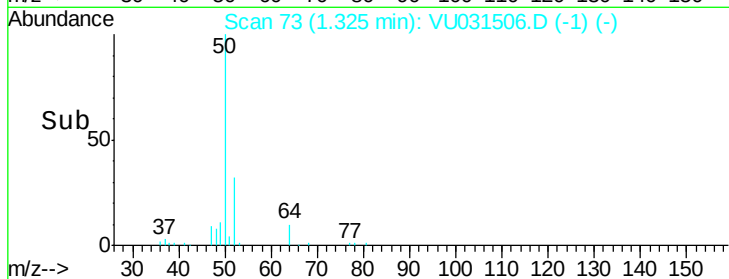
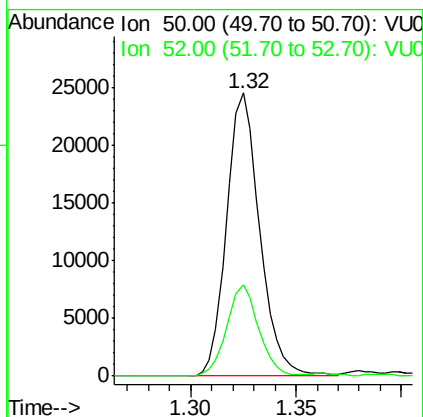
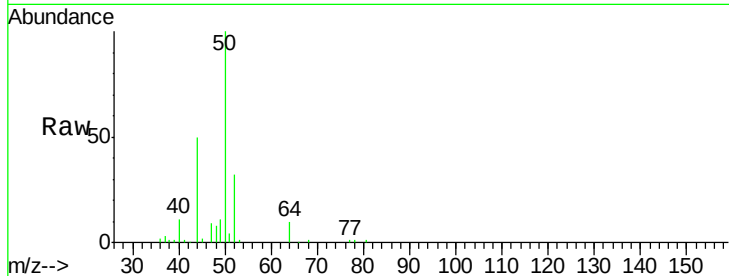
52 32.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.543 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031506.D

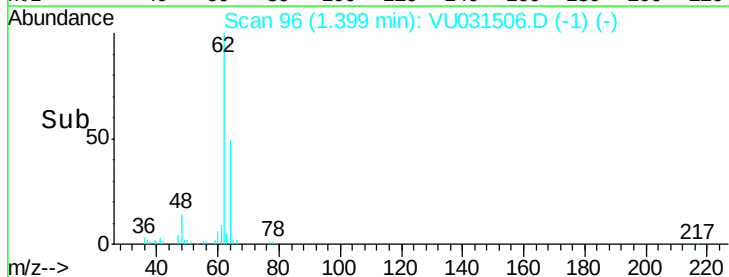
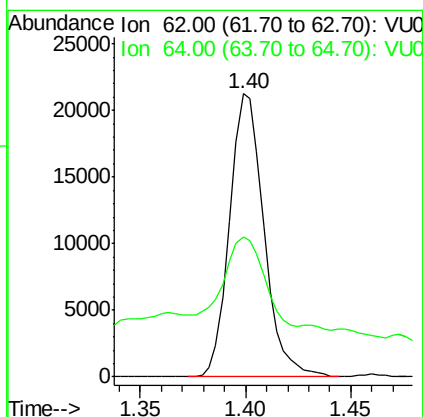
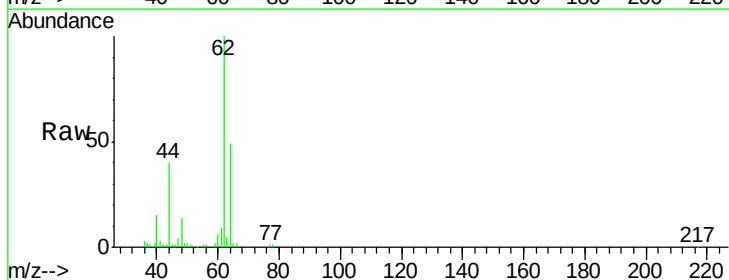
Acq: 25 Apr 2019 17:35

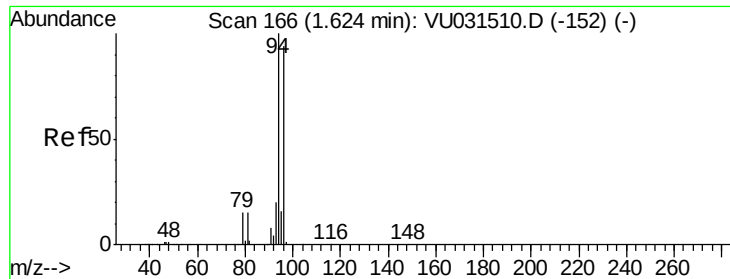
Tgt Ion: 62 Resp: 23980

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 0.597 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 12979

Ion Ratio Lower Upper

94 100

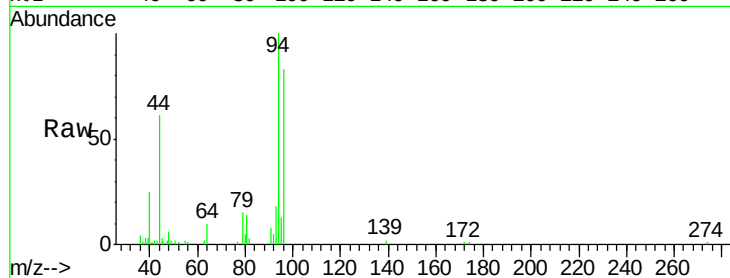
96 82.5 75.5 113.3

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU031510.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU031510.D (-152) (-)

12000

10000

8000

6000

4000

2000

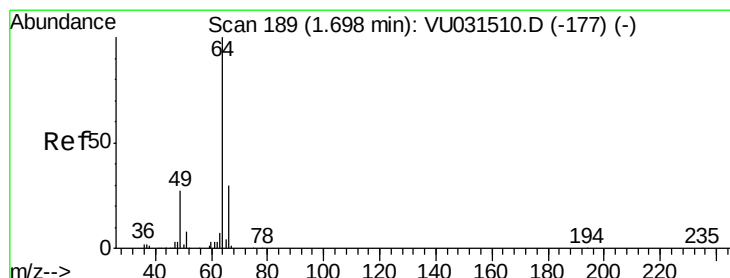
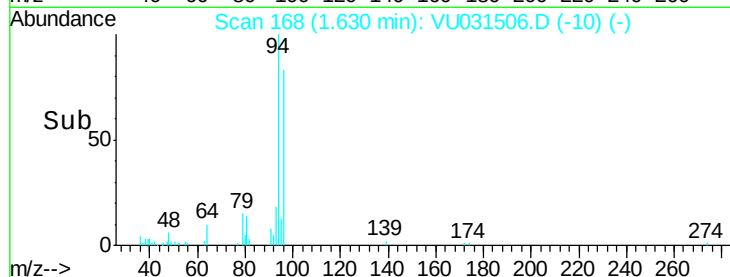
0

1.60

1.63

1.65

Time-->



#6

Chloroethane

Concen: 0.537 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU031506.D

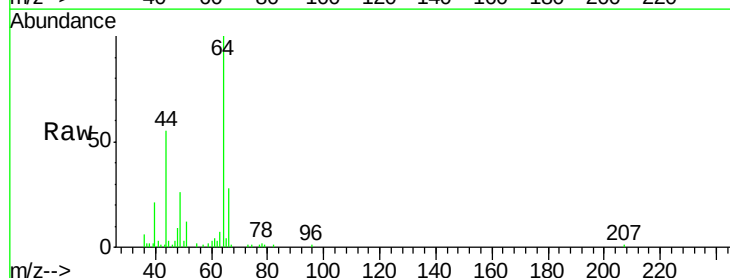
Acq: 25 Apr 2019 17:35

Tgt Ion: 64 Resp: 13418

Ion Ratio Lower Upper

64 100

66 30.5 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VU031510.D (-177) (-)

Ion 66.00 (65.70 to 66.70): VU031510.D (-177) (-)

10000

5000

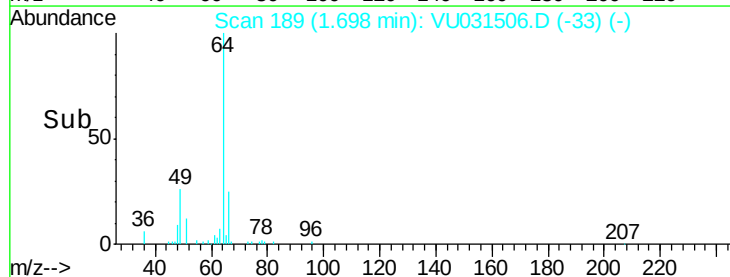
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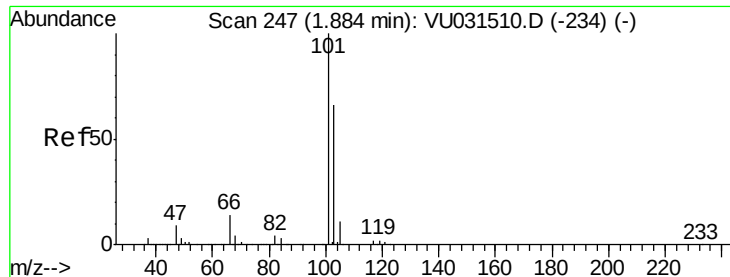
1.65

1.70

1.75

Time-->





#7

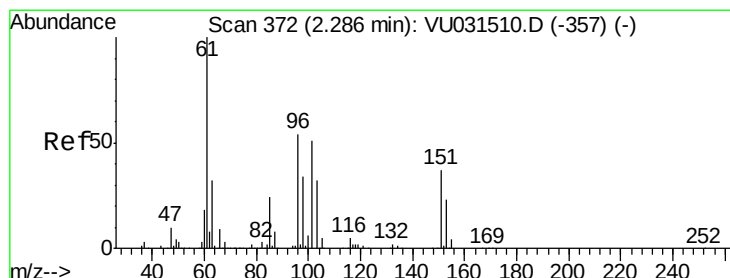
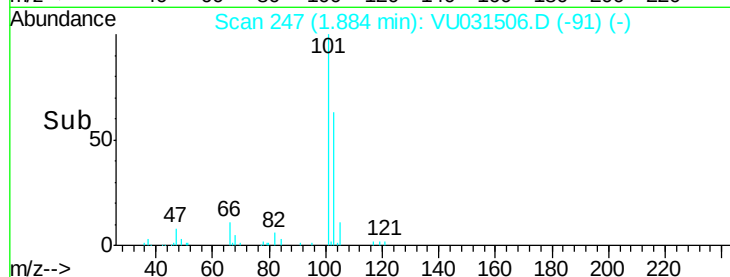
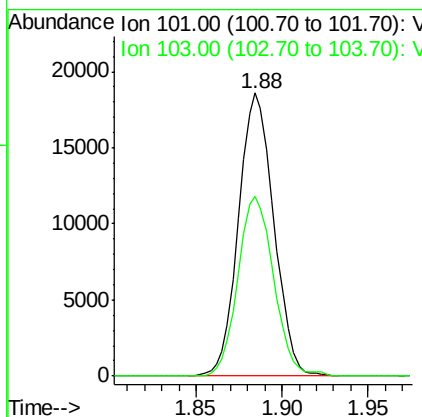
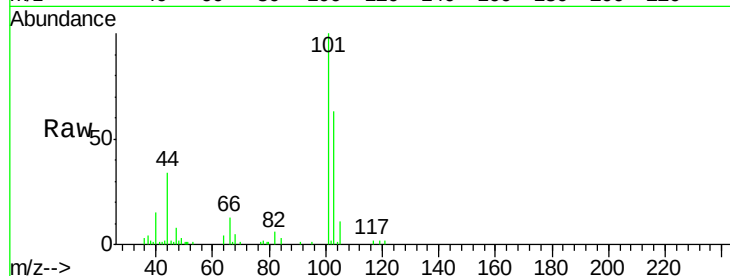
Trichlorofluoromethane
 Concen: 0.526 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.8	79.2

Manual Integrations
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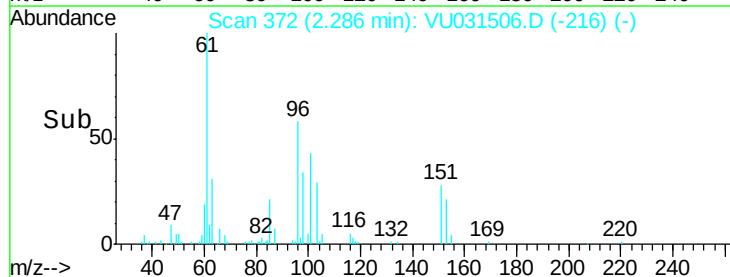
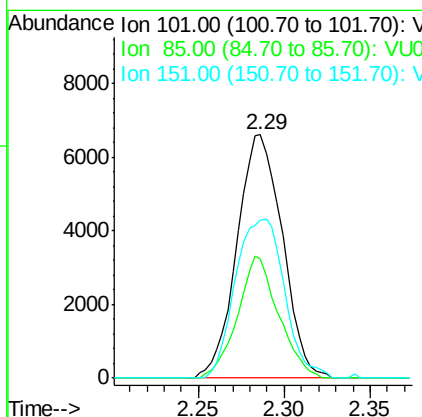
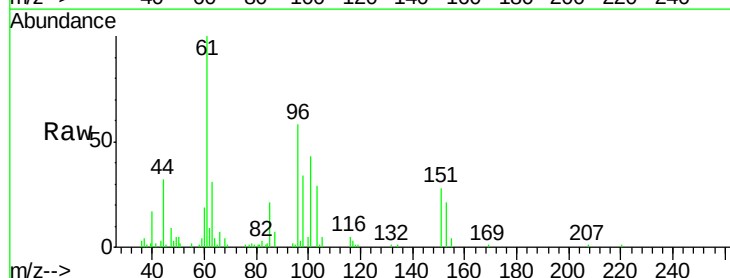
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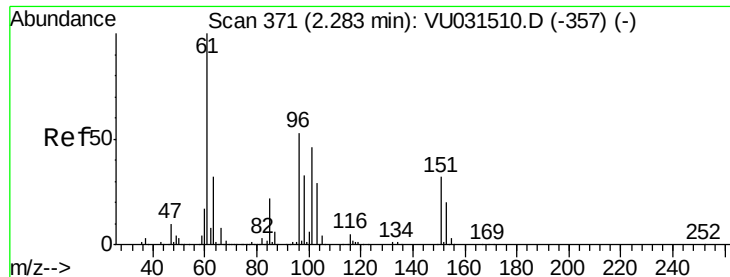


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.478 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.0	37.8	56.6
151	70.7	57.4	86.0





#9

1,1-Dichloroethene

Concen: 0.522 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

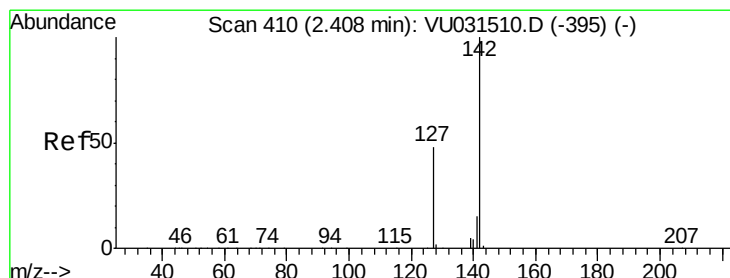
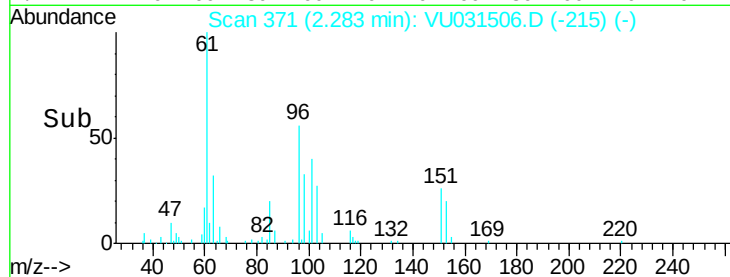
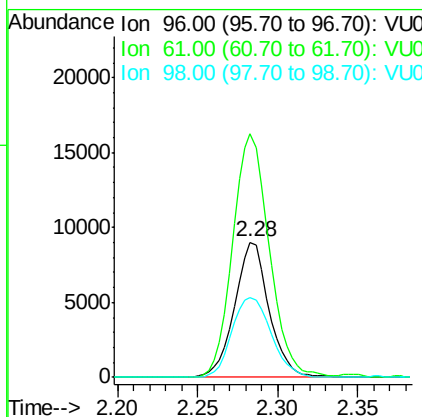
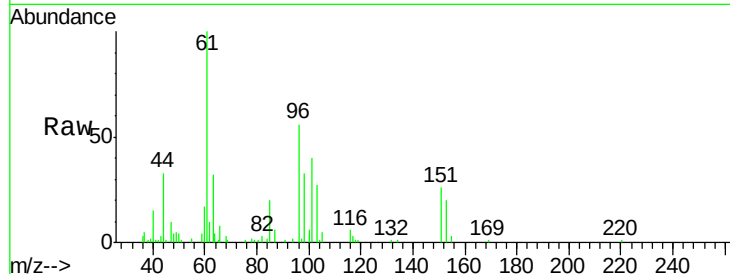
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	13188
Ion	Ratio	Lower	Upper
96	100		
61	179.9	0.0	566.7
98	59.3	0.0	126.4

Manual Integrations
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#10

Iodomethane

Concen: 0.470 ug/l

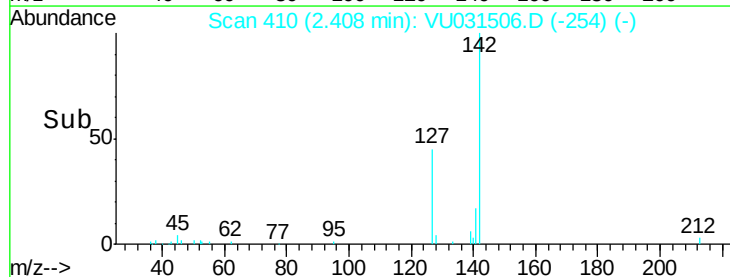
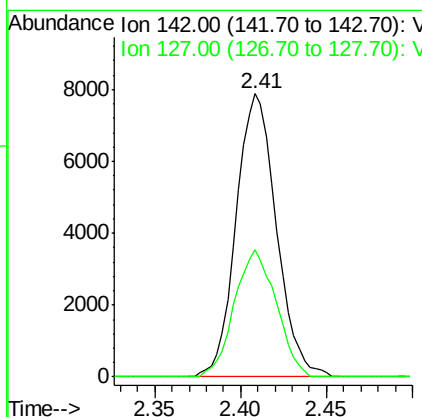
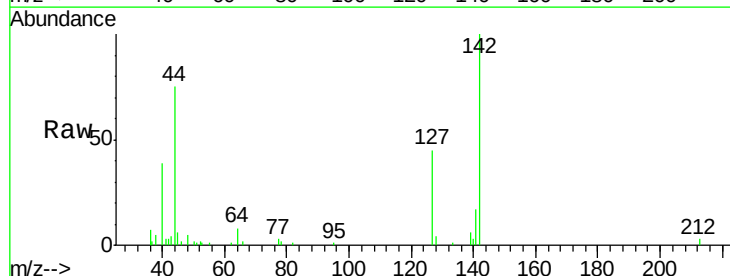
RT: 2.41 min Scan# 410

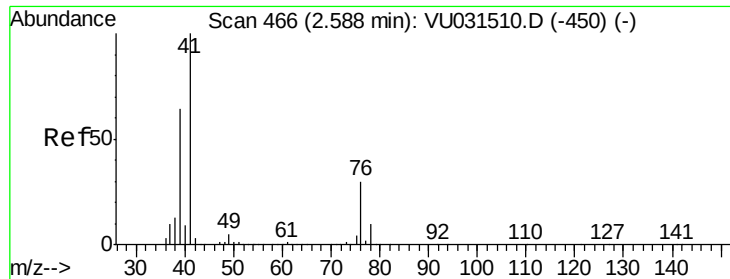
Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	142	Resp:	12862
Ion	Ratio	Lower	Upper
142	100		
127	46.5	38.2	57.2





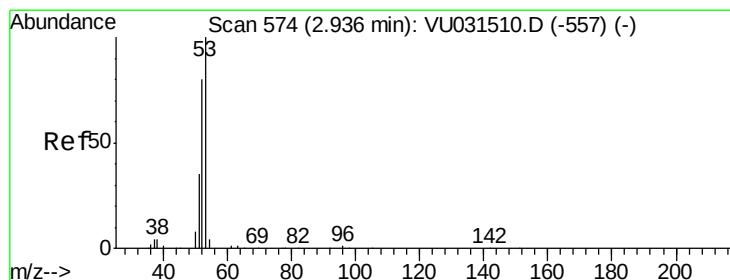
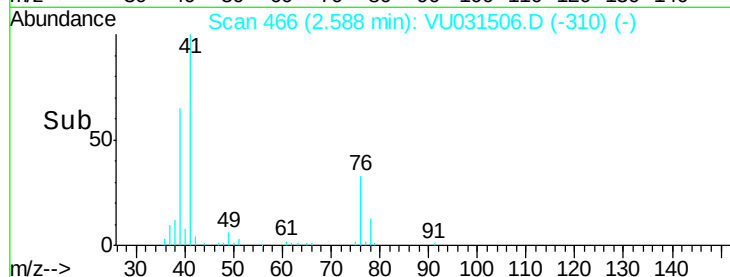
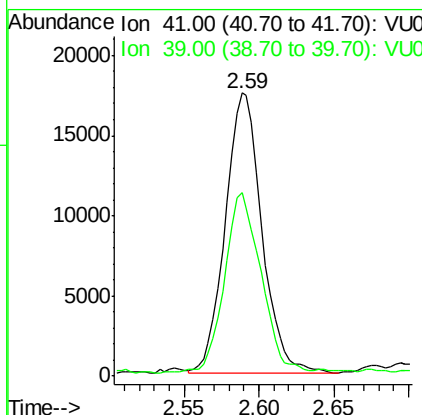
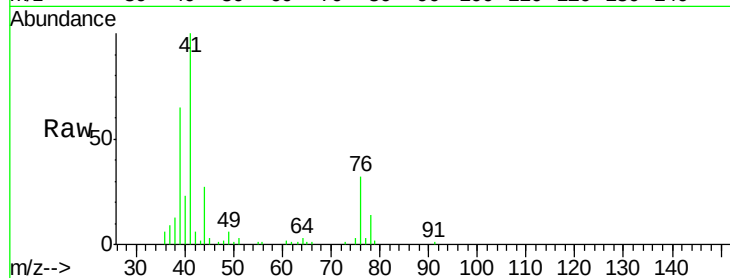
#11
Allvl Chloride
Concen: 0.545 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.2	51.4	77.0

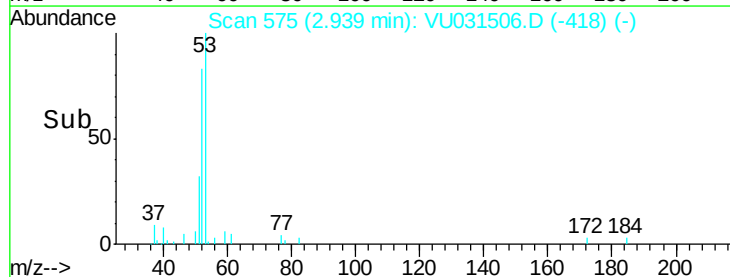
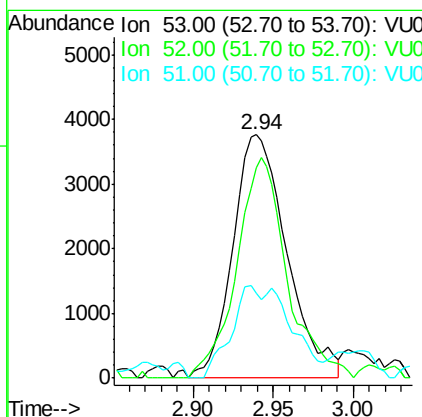
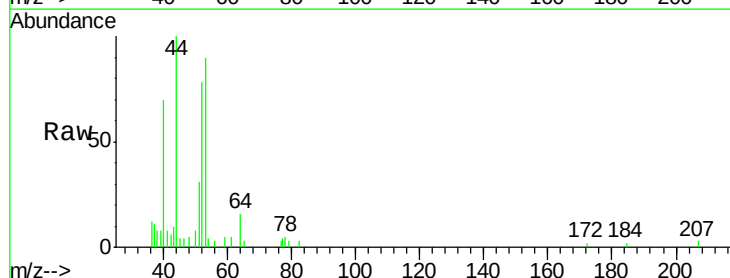
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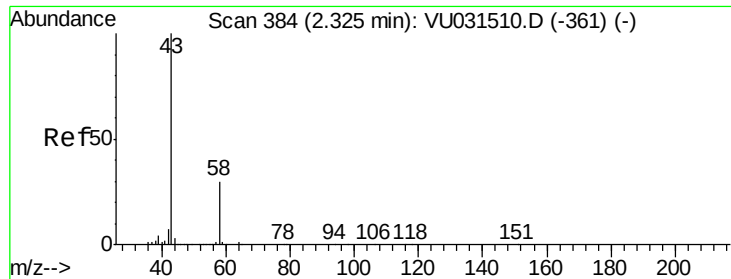
MMdadoda
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#12
Acrylonitrile
Concen: 1.152 ug/l
RT: 2.94 min Scan# 575
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.6	69.4	104.0
51	20.8	27.5	41.3#





#13

Acetone

Concen: 3.037 ug/l

RT: 2.33 min Scan# 387

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 21236

Ion Ratio Lower Upper

43 100

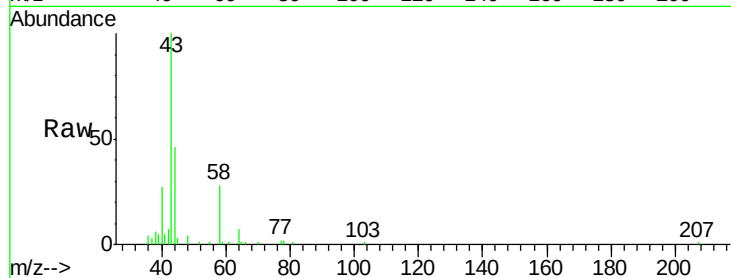
58 27.3 24.1 36.1

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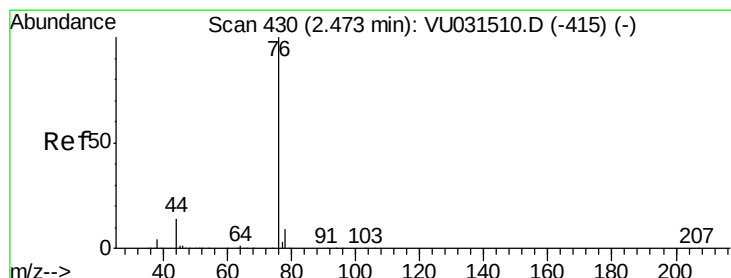
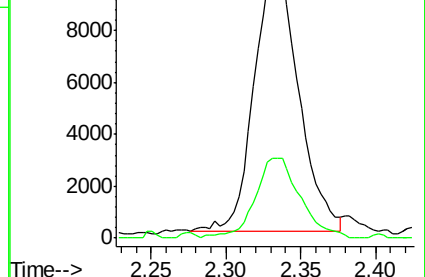
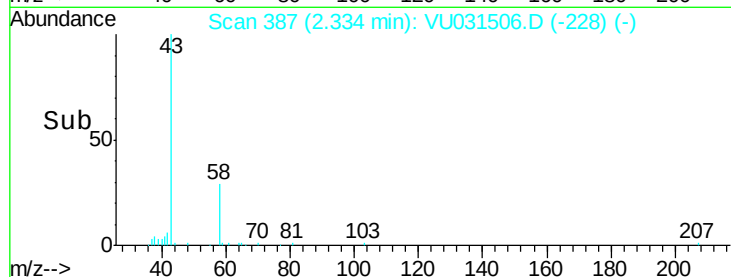


Abundance Ion 43.00 (42.70 to 43.70): VU031510.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU031510.D (-361) (-)

2.33

Time-->



#14

Carbon Disulfide

Concen: 0.536 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031506.D

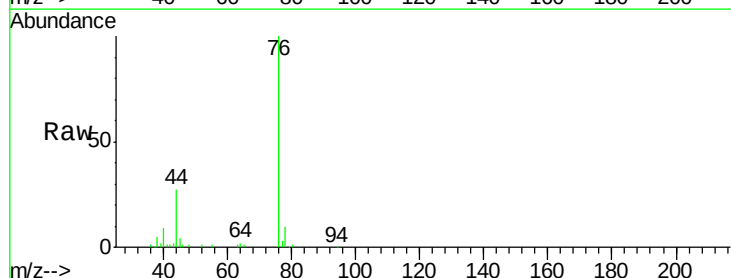
Acq: 25 Apr 2019 17:35

Tgt Ion: 76 Resp: 51471

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

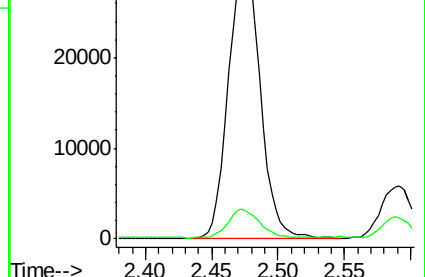
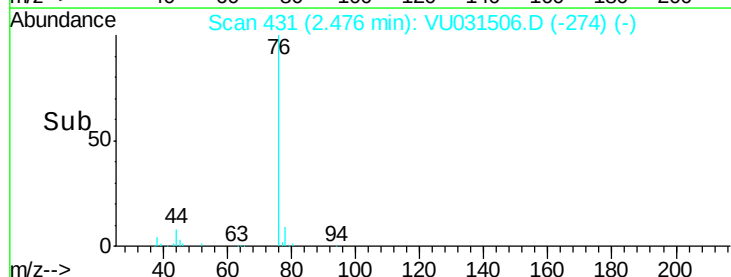


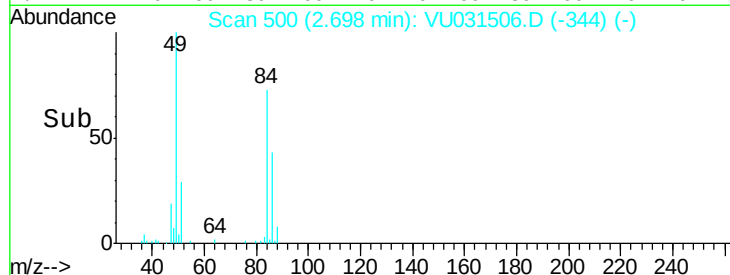
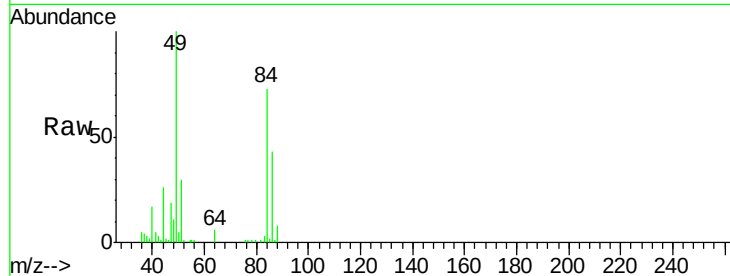
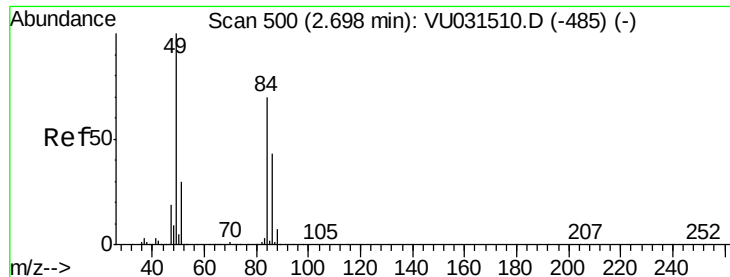
Abundance Ion 76.00 (75.70 to 76.70): VU031510.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU031510.D (-415) (-)

2.48

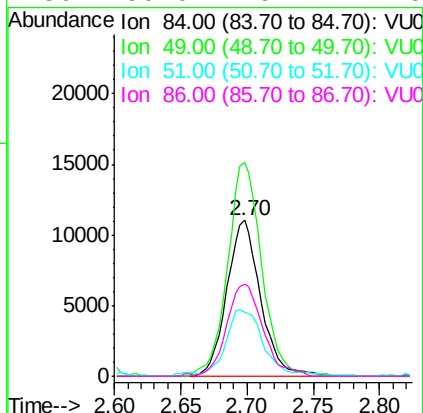
Time-->





#15
Methylene Chloride
Concen: 0.608 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

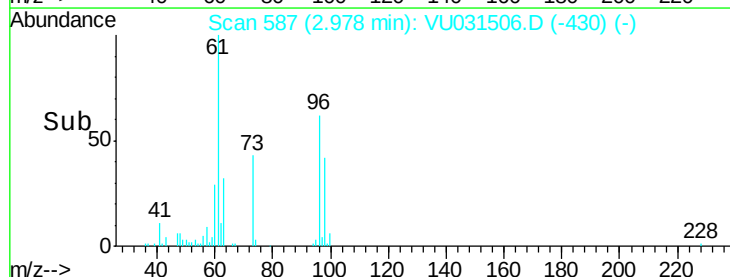
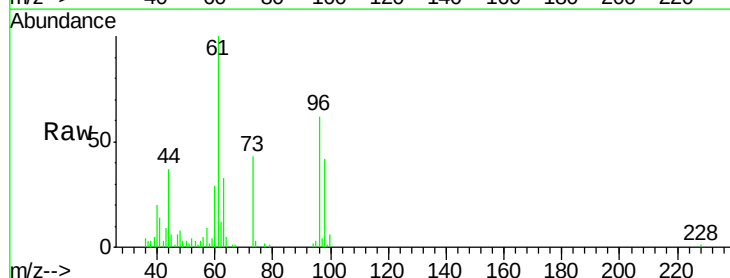
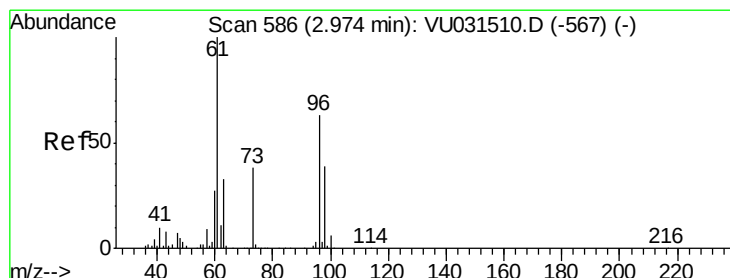
Tot Ion:	84	Resp:	19517
Ion	Ratio	Lower	Upper
84	100		
49	137.2	113.6	170.4
51	40.1	0.0	85.6
86	59.0	49.4	74.0



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

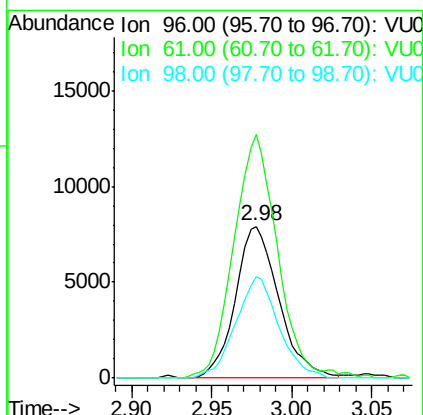
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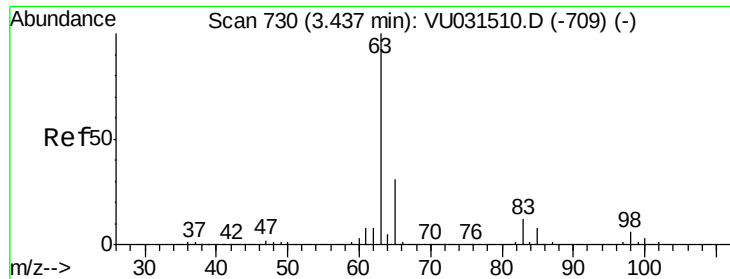
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#16
trans-1,2-Dichloroethene
Concen: 0.518 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion:	96	Resp:	14697
Ion	Ratio	Lower	Upper
96	100		
61	159.3	127.2	190.8
98	67.2	49.4	74.0





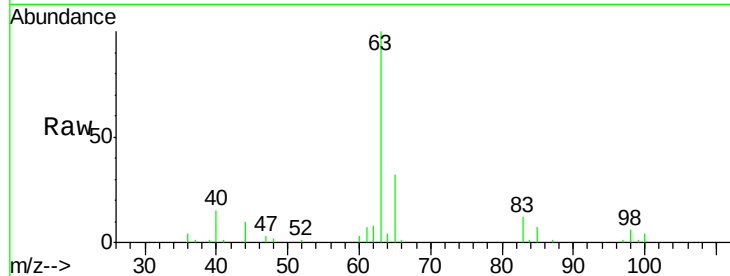
#17
 1,1-Dichloroethane
 Concen: 0.552 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

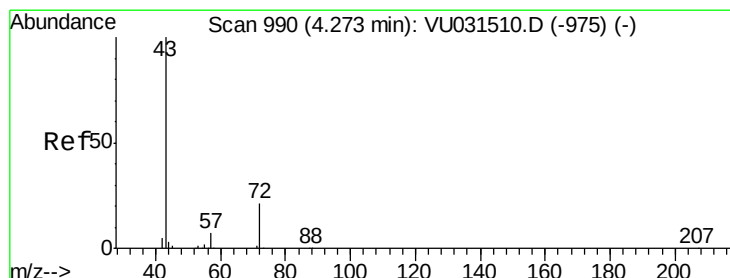
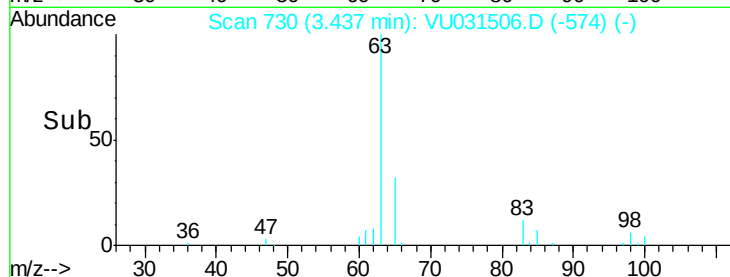
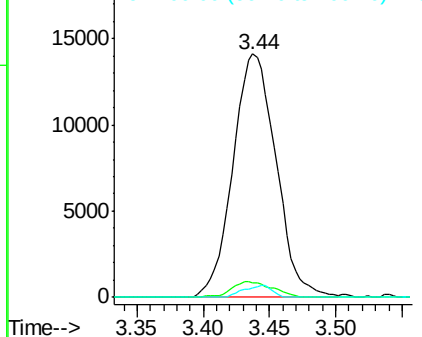
Tot Ion:	63	Resp:	31866
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.2
100	3.6	1.7	5.1

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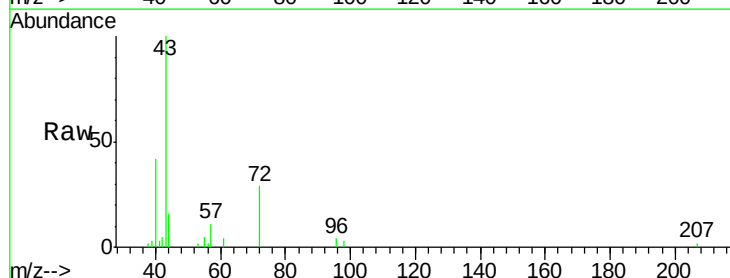


Abundance Ion 63.00 (62.70 to 63.70): VU031510.D (-709) (-)

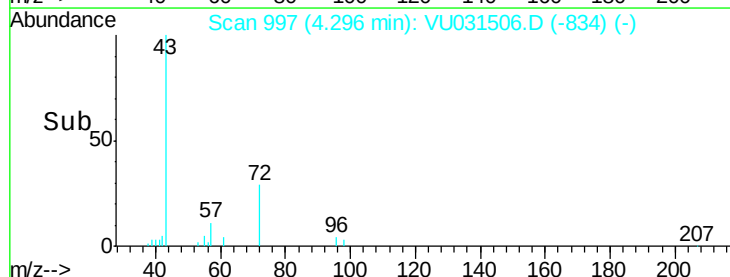
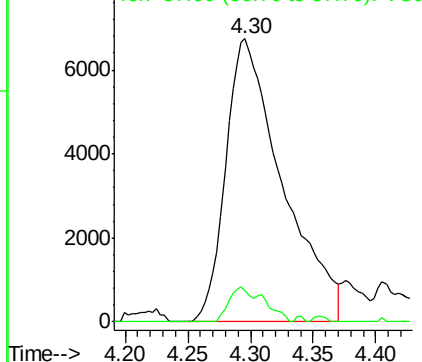


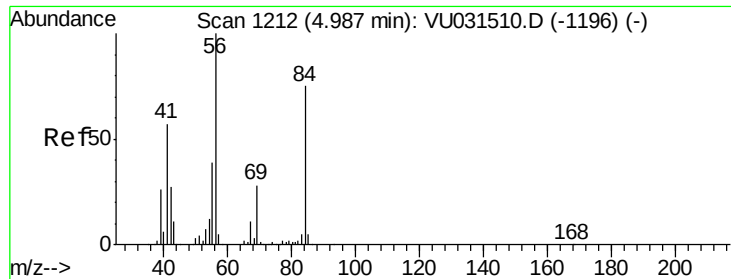
#18
 2-Butanone
 Concen: 2.352 ug/l
 RT: 4.30 min Scan# 997
 Delta R.T. 0.02 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion:	43	Resp:	21195
Ion	Ratio	Lower	Upper
43	100		
57	11.0	0.0	14.2



Abundance Ion 43.00 (42.70 to 43.70): VU031510.D (-975) (-)





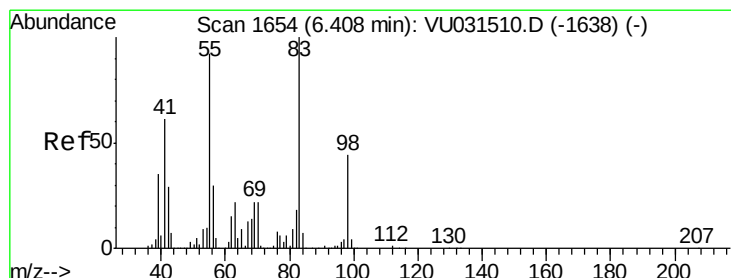
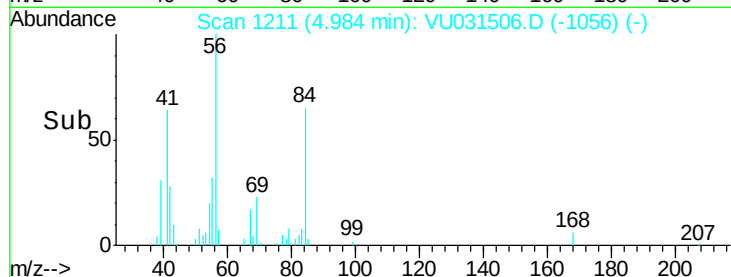
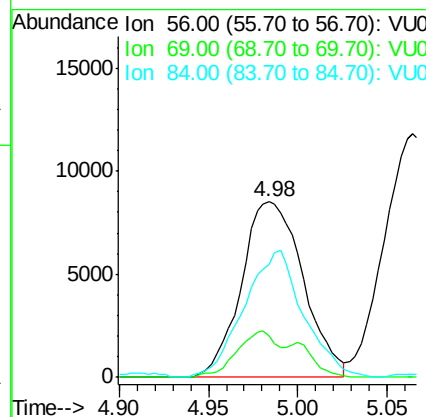
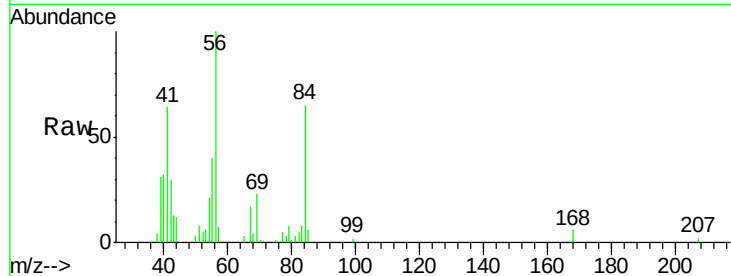
#19
Cyclohexane
Concen: 0.458 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
56	100		
69	16.9	22.4	33.6#
84	69.5	59.0	88.4

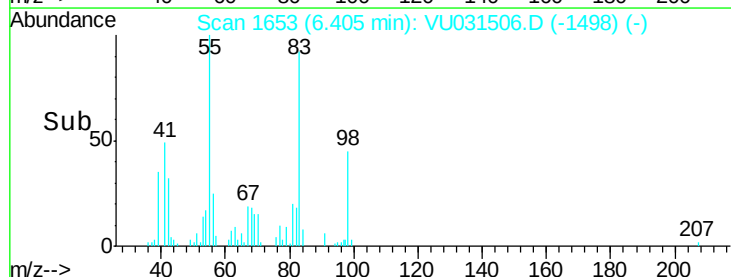
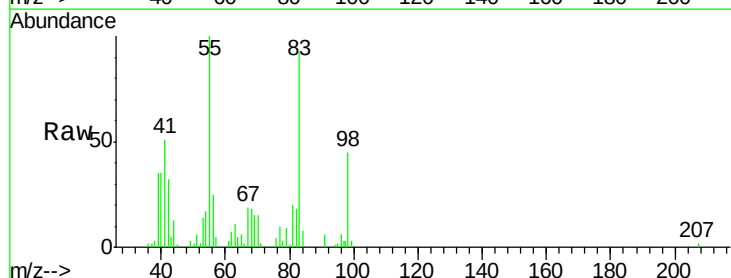
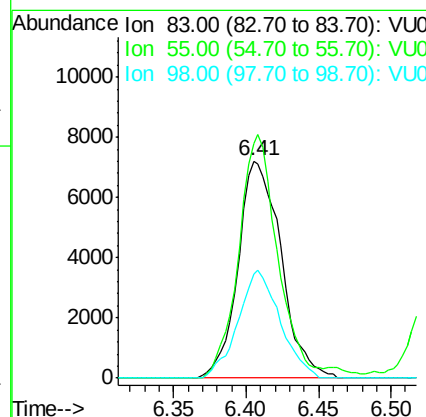
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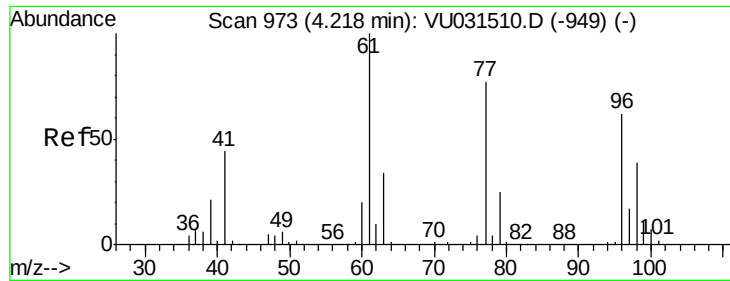
MMdadoda
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#20
Methylcyclohexane
Concen: 0.414 ug/l
RT: 6.41 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.1	73.7	110.5
98	48.6	35.2	52.8





#21

2,2-Dichloropropane

Concen: 0.562 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 23618

Ion Ratio Lower Upper

77 100

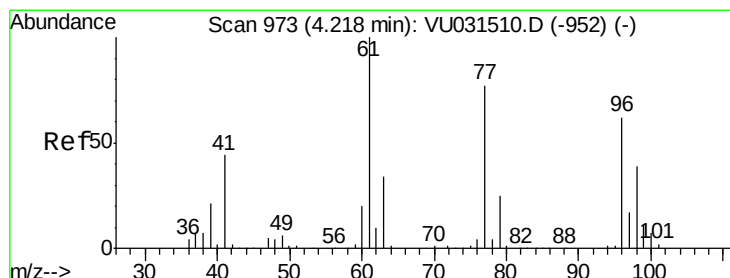
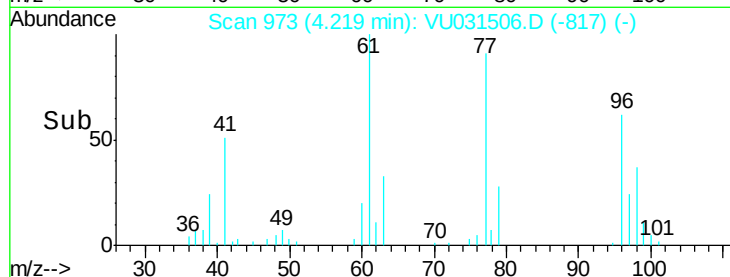
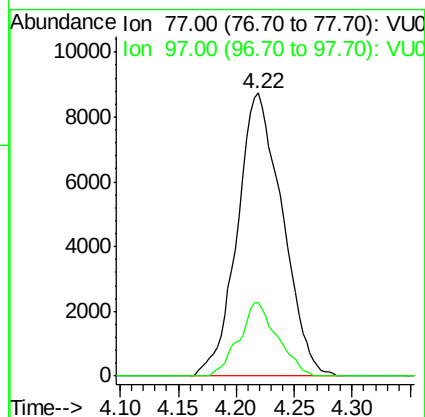
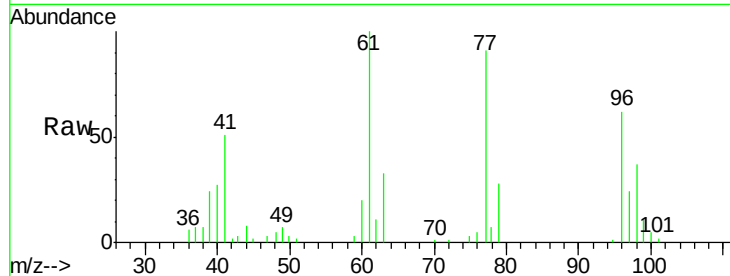
97 22.1 17.5 26.3

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#22

cis-1,2-Dichloroethene

Concen: 0.539 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

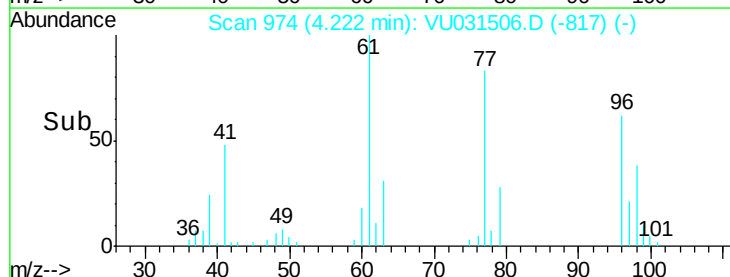
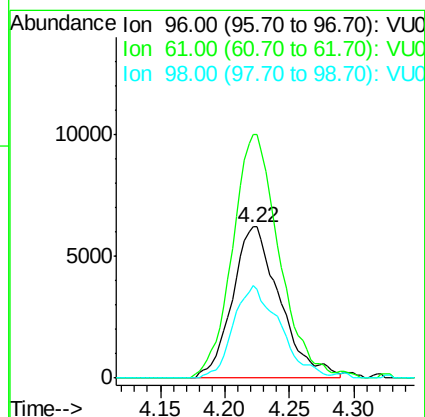
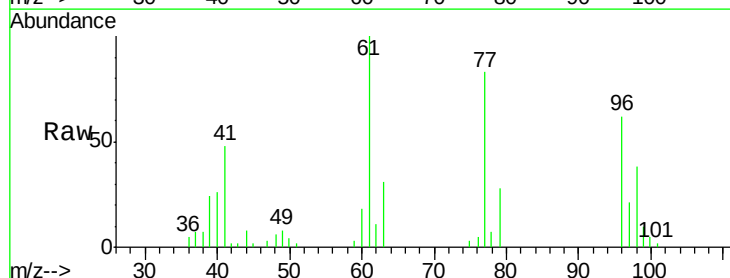
Tgt Ion: 96 Resp: 15930

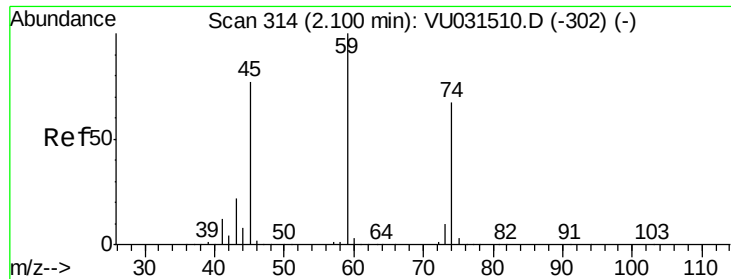
Ion Ratio Lower Upper

96 100

61 157.1 0.0 408.8

98 59.7 31.1 93.3





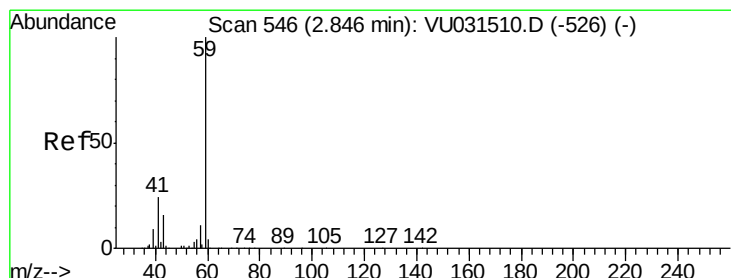
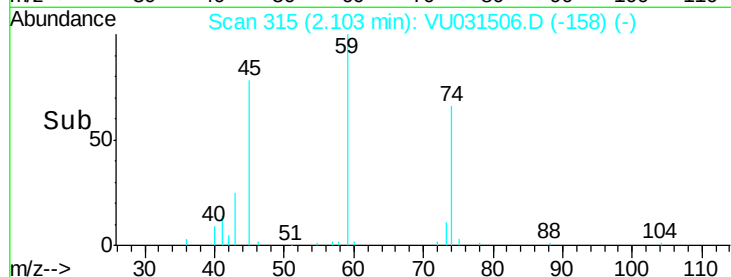
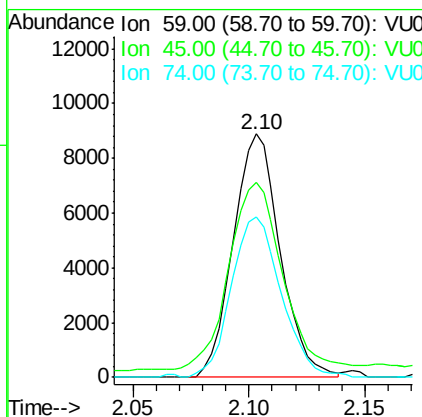
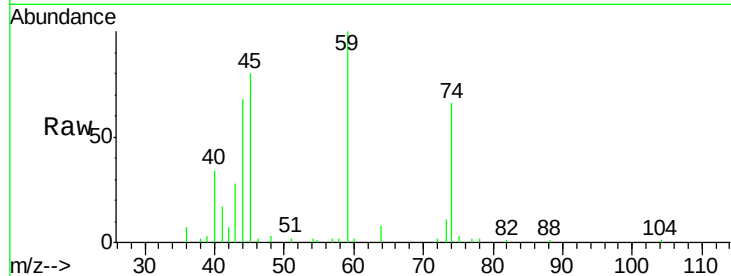
#23
Diethyl Ether
Concen: 0.520 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
59	100		
45	87.0	64.5	96.7
74	70.0	54.6	81.8

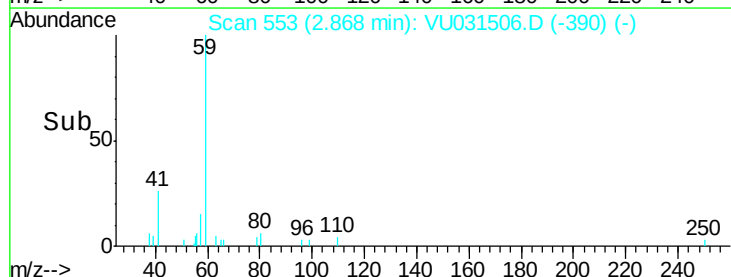
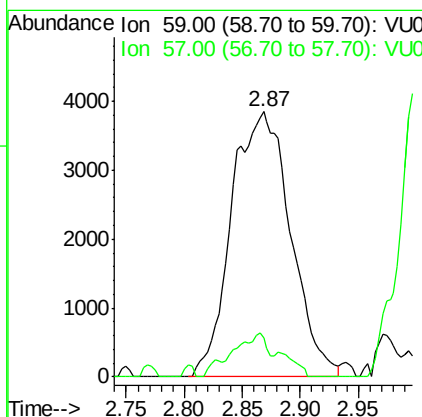
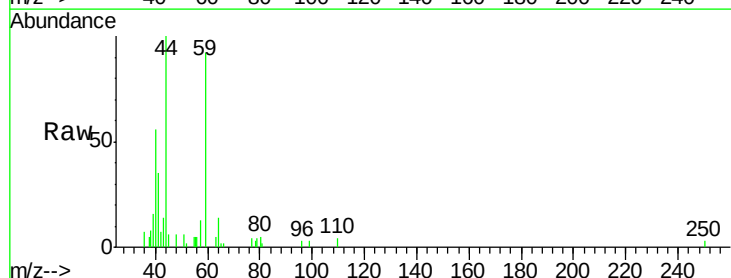
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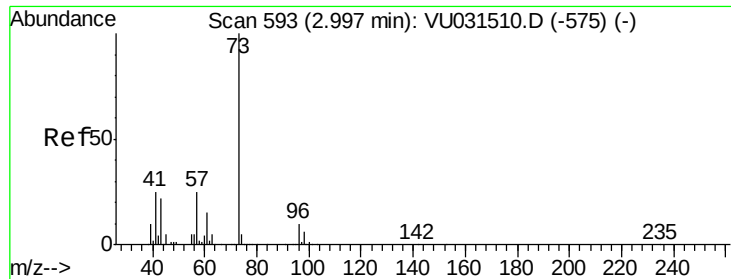
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#24
tert-Butyl Alcohol
Concen: 5.476 ug/l
RT: 2.87 min Scan# 553
Delta R.T. 0.02 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2





#25

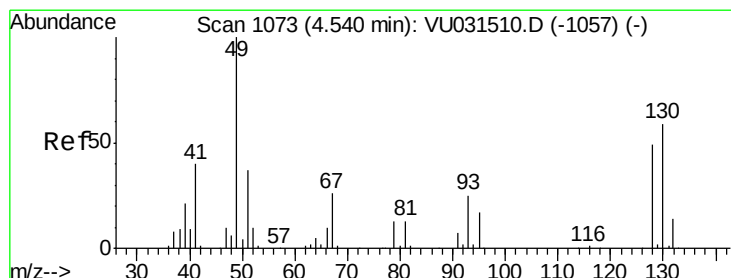
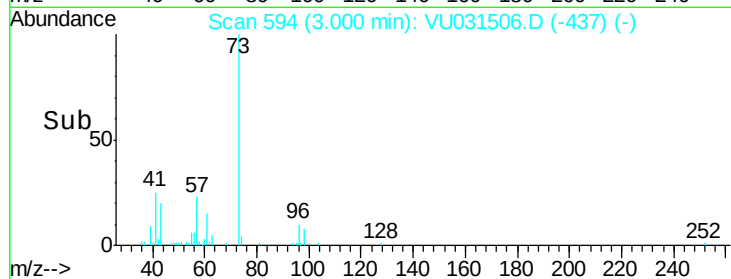
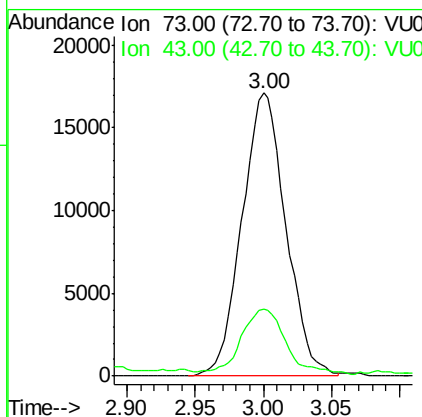
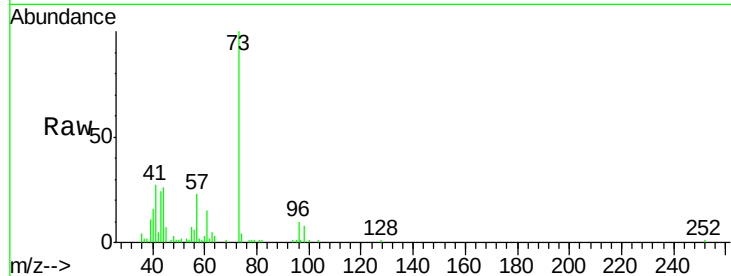
Methyl tert-Butyl Ether
 Concen: 0.529 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.4	16.9	25.3

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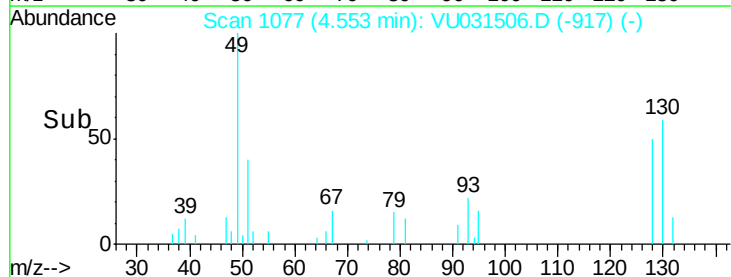
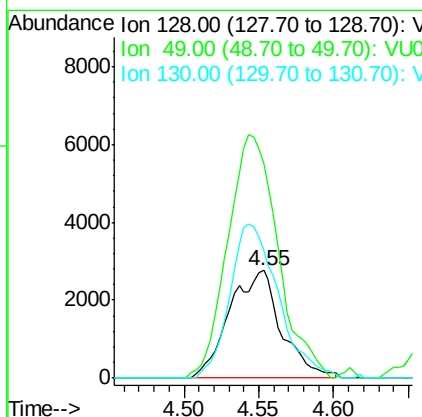
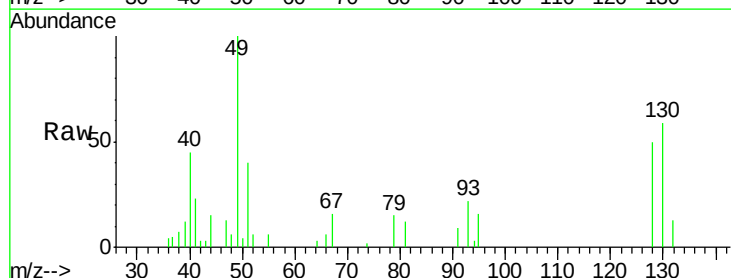
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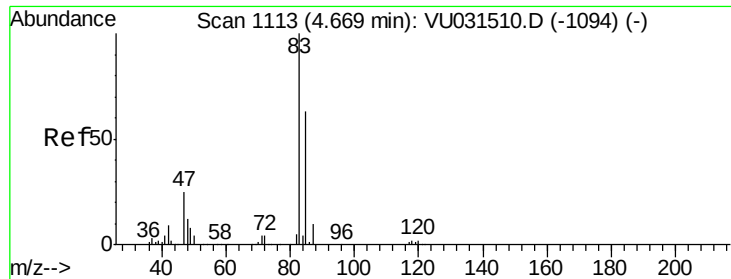


#26

Bromochloromethane
 Concen: 0.527 ug/l m
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
128	100		
49	219.1	0.0	407.2
130	133.7	101.4	152.2





#27

Chloroform

Concen: 0.535 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 29092

Ion Ratio Lower Upper

83 100

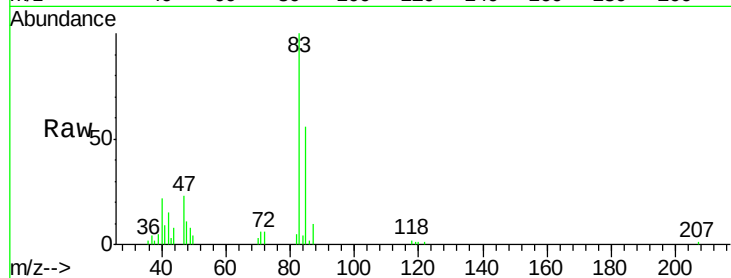
85 56.2 0.0 126.2

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VU031510.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU031510.D (-1094) (-)

4.67

15000

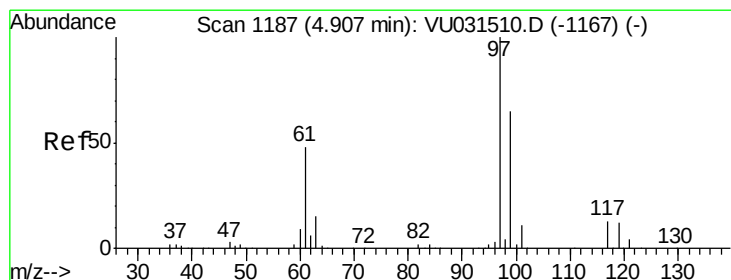
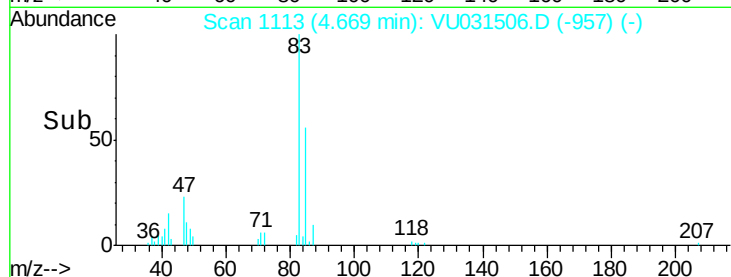
10000

5000

0

Time-->

4.60 4.65 4.70 4.75



#28

1,1,1-Trichloroethane

Concen: 0.534 ug/l

RT: 4.91 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

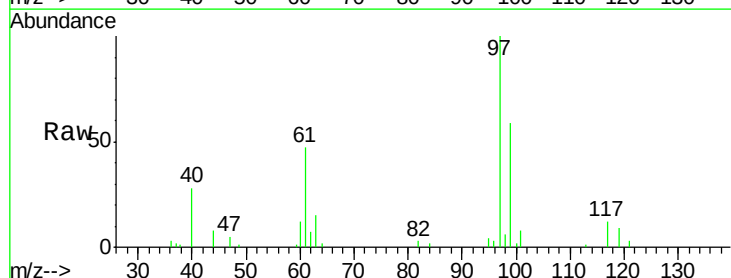
Tgt Ion: 97 Resp: 24015

Ion Ratio Lower Upper

97 100

99 63.1 32.0 96.2

61 49.5 24.0 72.0



Abundance Ion 97.00 (96.70 to 97.70): VU031510.D (-1167) (-)

Ion 99.00 (98.70 to 99.70): VU031510.D (-1167) (-)

Ion 61.00 (60.70 to 61.70): VU031510.D (-1167) (-)

4.91

12000

10000

8000

6000

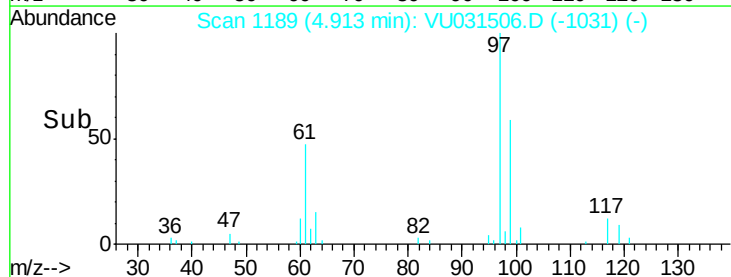
4000

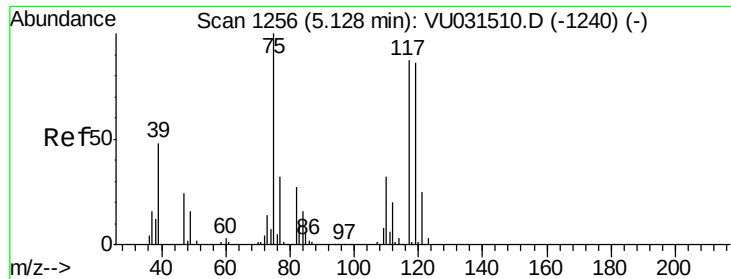
2000

0

Time-->

4.80 4.85 4.90 4.95 5.00





#29

1,1-Dichloropropene

Concen: 0.452 ug/l

RT: 5.13 min Scan# 1258

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

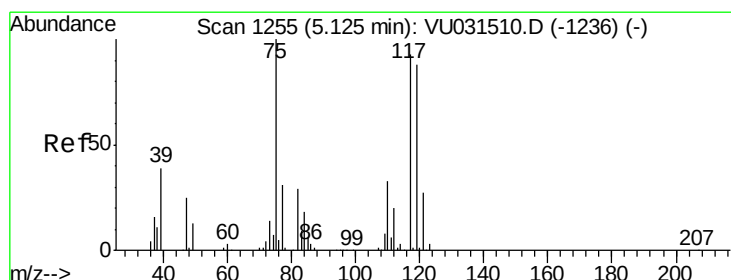
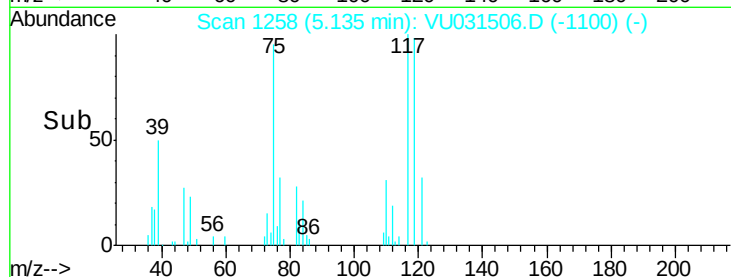
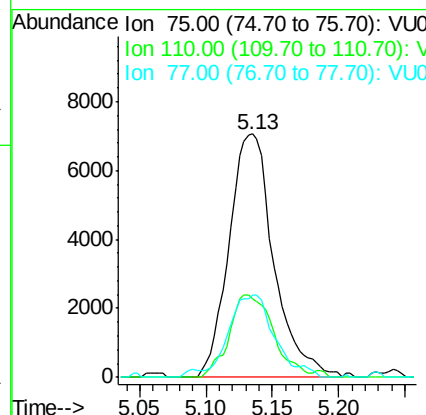
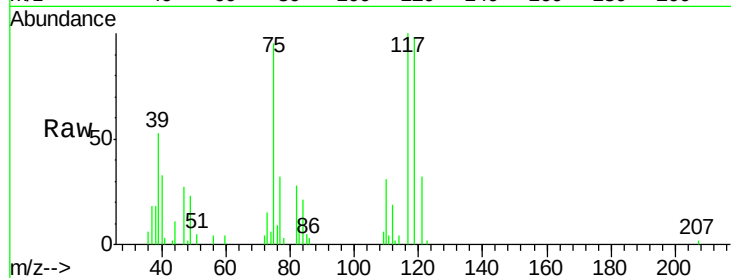
ClientSampleId :

VSTDIC0.5

Tot Ion:	75	Resp:	16539
Ion	Ratio	Lower	Upper
75	100		
110	33.2	16.4	49.1
77	34.5	25.0	37.6

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 0.511 ug/l

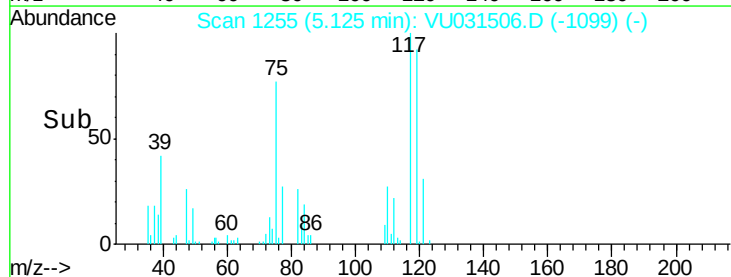
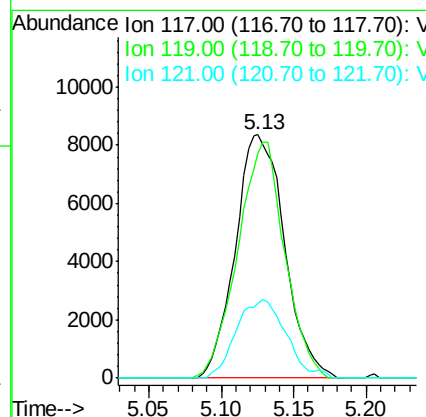
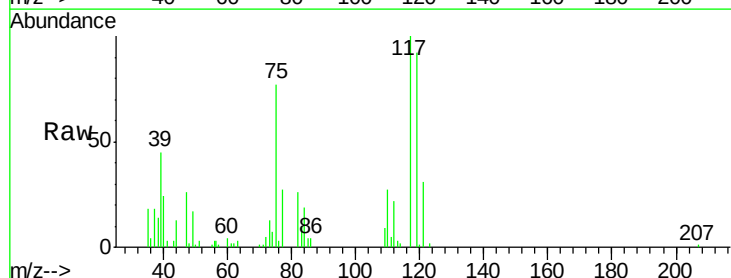
RT: 5.13 min Scan# 1255

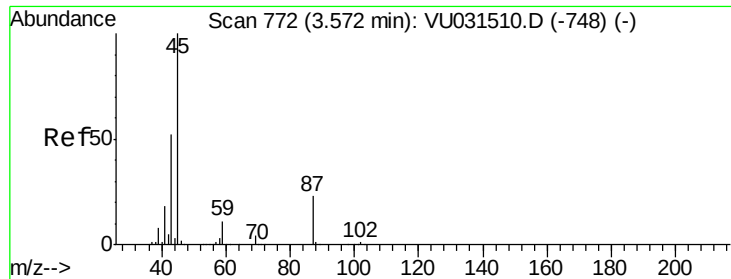
Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	117	Resp:	19717
Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.1	114.1
121	30.8	23.3	34.9





#31

Isopropyl Ether

Concen: 0.510 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 44048

Ion Ratio Lower Upper

45 100

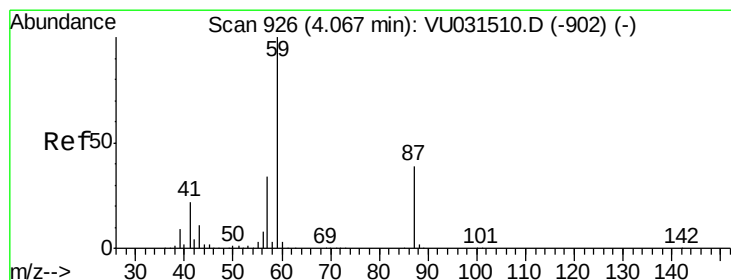
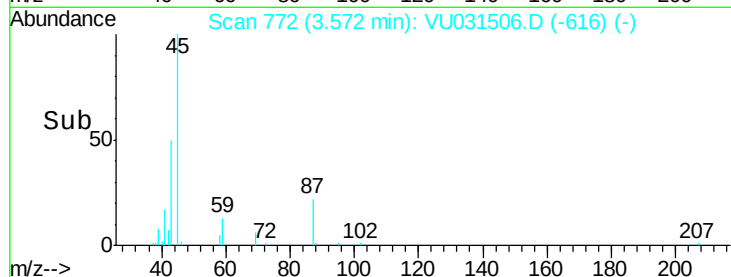
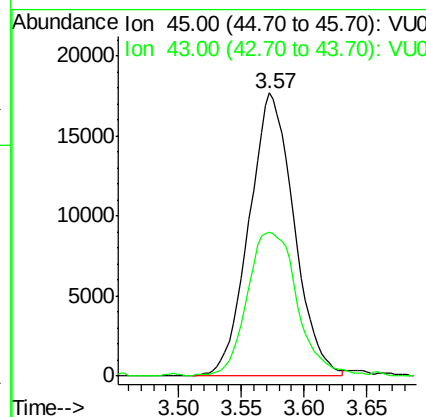
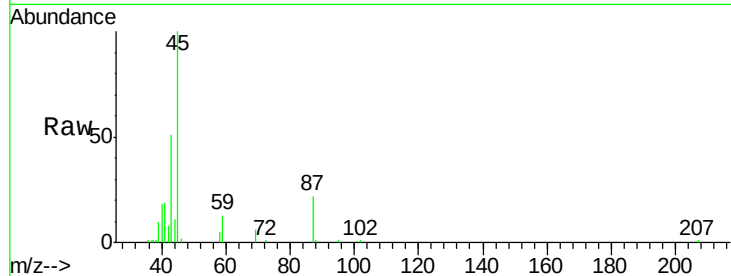
43 56.7 26.0 78.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.481 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU031506.D

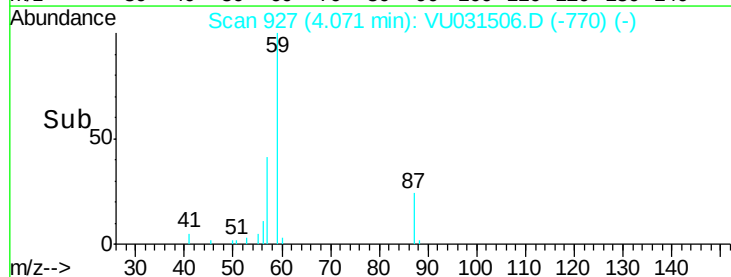
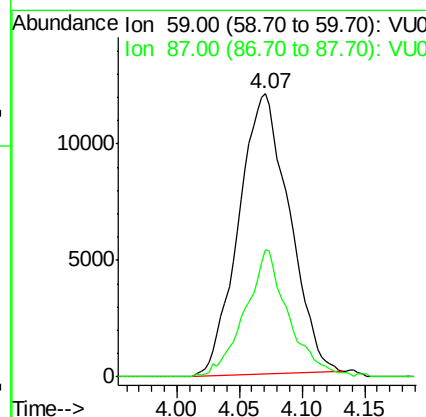
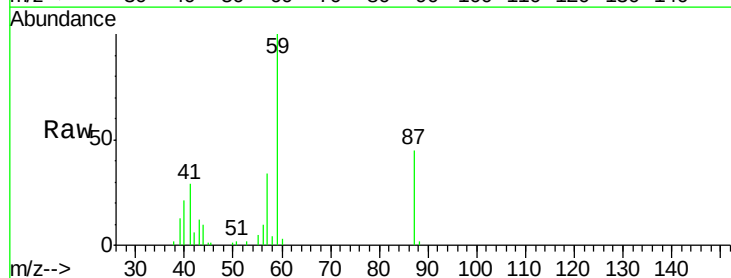
Acq: 25 Apr 2019 17:35

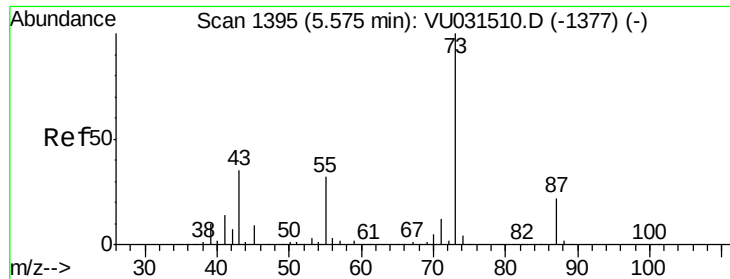
Tgt Ion: 59 Resp: 33983

Ion Ratio Lower Upper

59 100

87 38.8 29.9 44.9





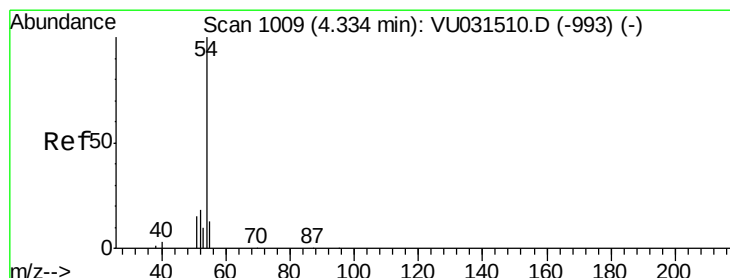
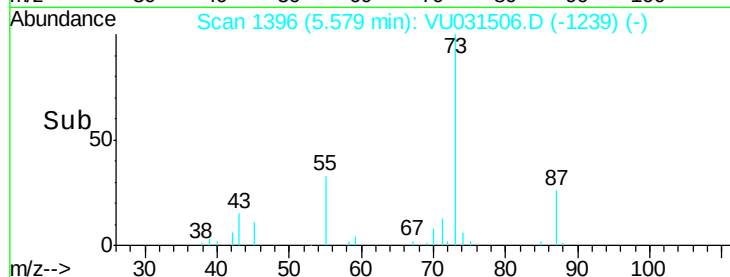
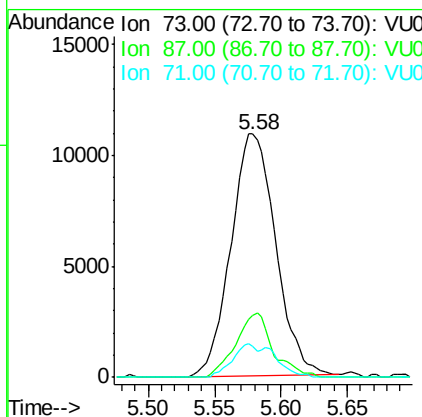
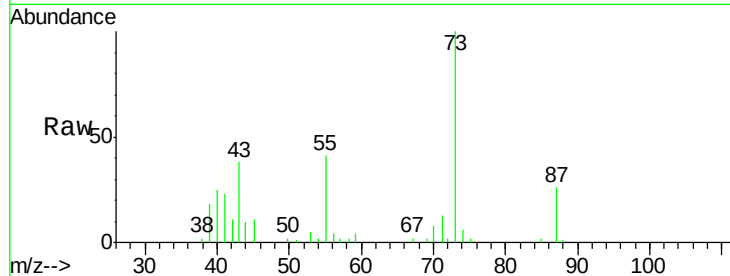
#33
Tert-Butyl methyl ether
Concen: 0.457 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.1	18.2	27.2
71	7.4	9.0	13.6

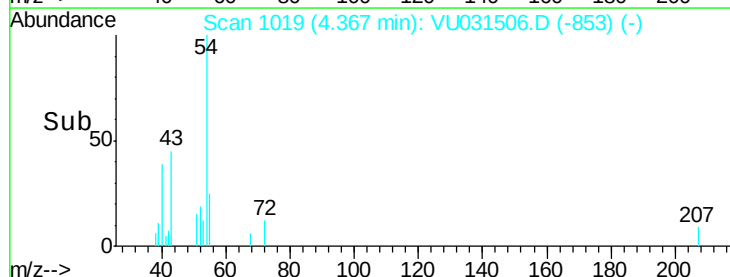
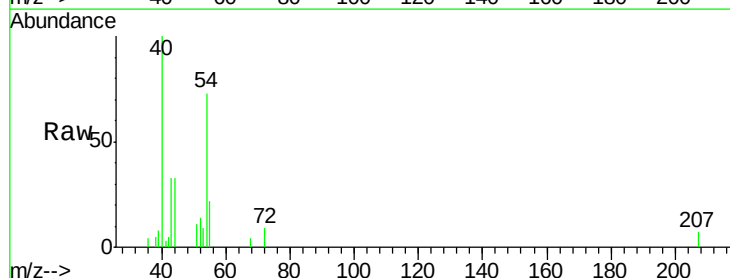
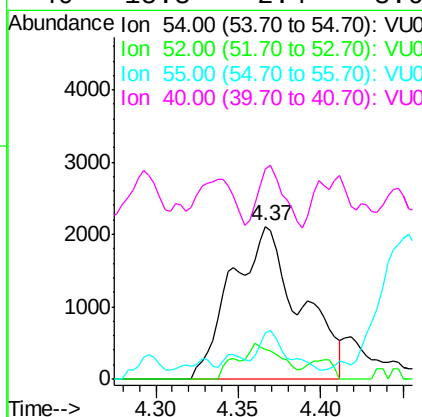
Manual Integrations
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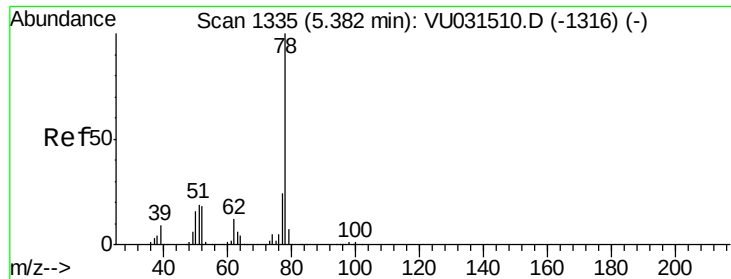
MMdadoda
4/26/2019 12:20:56 PM



#34
Propionitrile
Concen: 2.638 ug/l m
RT: 4.37 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
54	100		
52	0.0	15.0	22.4
55	2.6	13.5	20.3
40	15.3	2.4	3.6





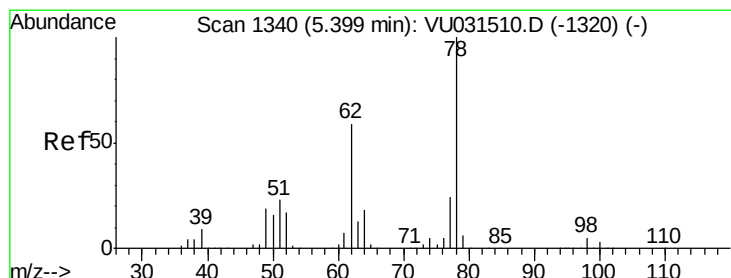
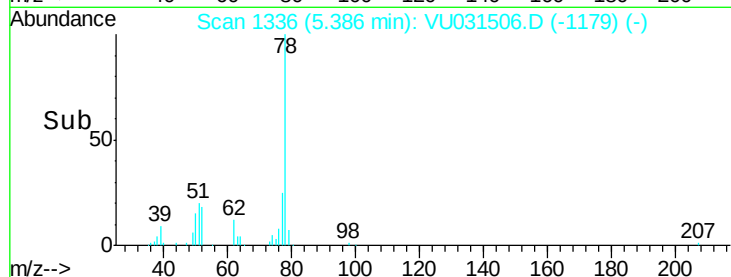
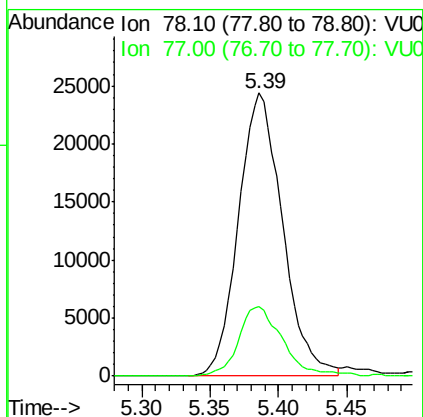
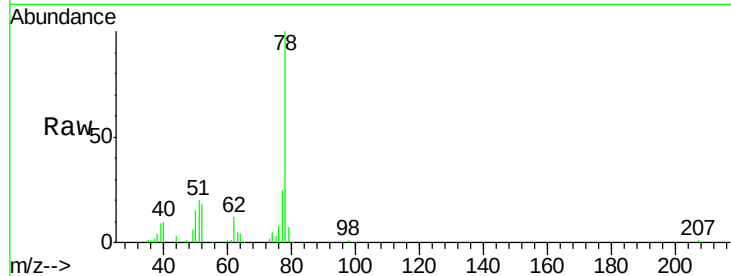
#35
Benzene
Concen: 0.486 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 78 Resp: 54727
Ion Ratio Lower Upper
78 100
77 24.6 19.2 28.8

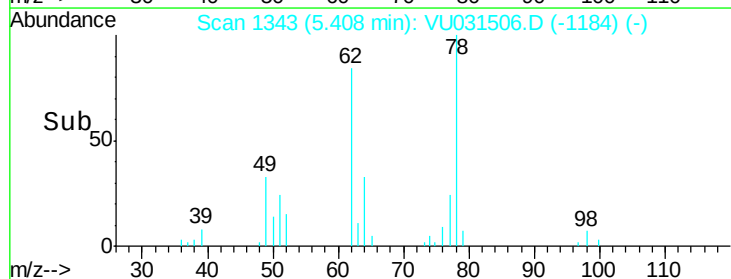
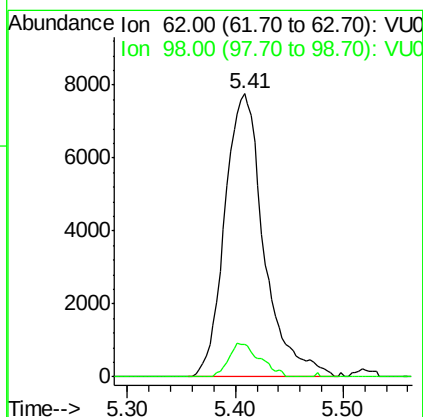
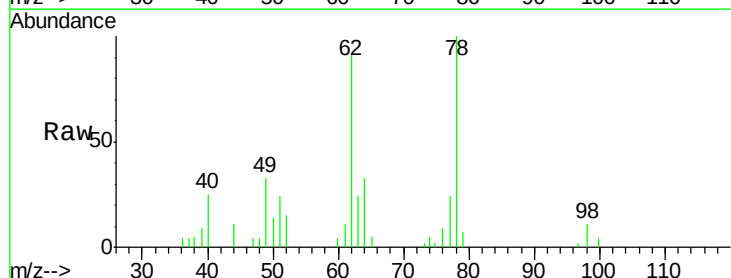
Manual Integrations
APPROVED

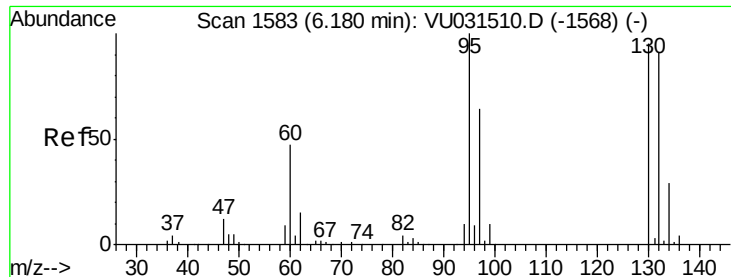
MMdadoda
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#36
1,2-Dichloroethane
Concen: 0.546 ug/l
RT: 5.41 min Scan# 1343
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion: 62 Resp: 19630
Ion Ratio Lower Upper
62 100
98 9.5 6.7 10.1





#37

Trichloroethene

Concen: 0.520 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 14498

Ion Ratio Lower Upper

130 100

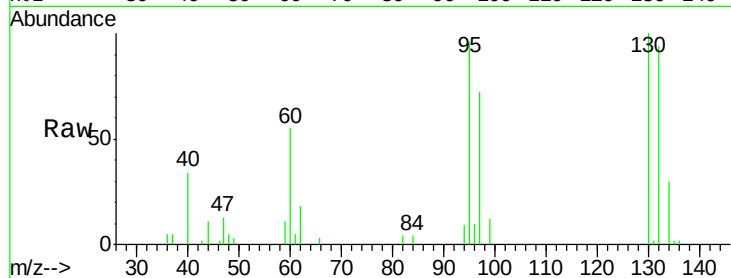
95 95.9 83.8 125.8

Manual Integrations

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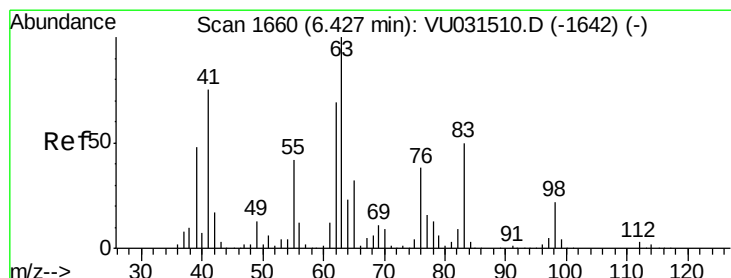
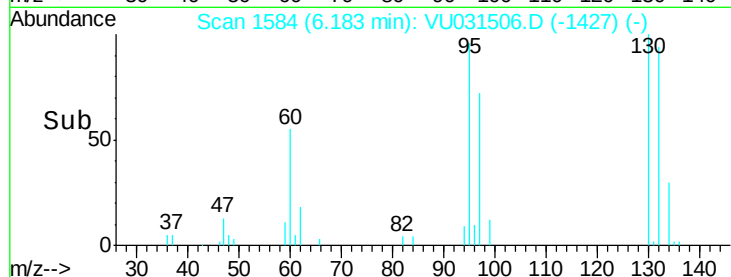
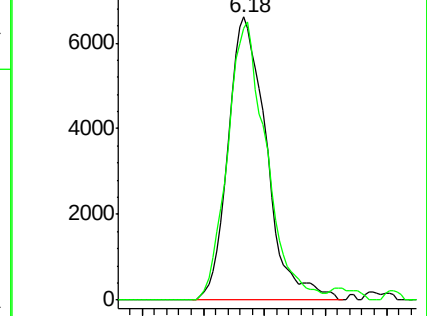
MMdadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 0.527 ug/l

RT: 6.43 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VU031506.D

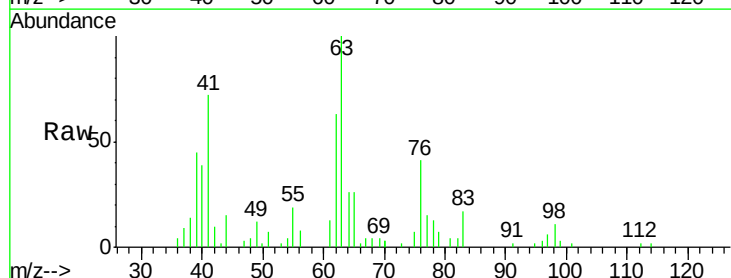
Acq: 25 Apr 2019 17:35

Tgt Ion: 63 Resp: 16552

Ion Ratio Lower Upper

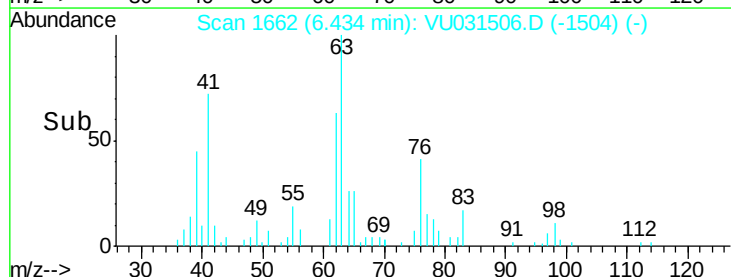
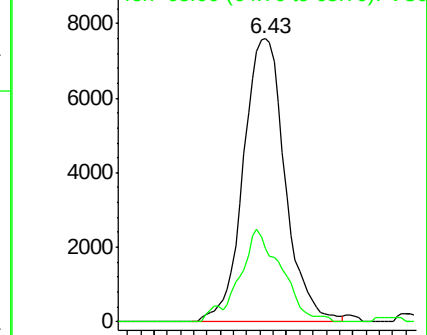
63 100

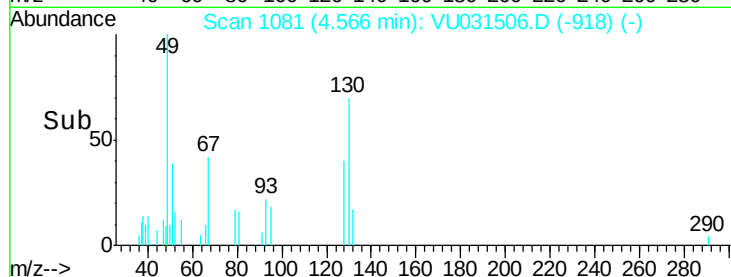
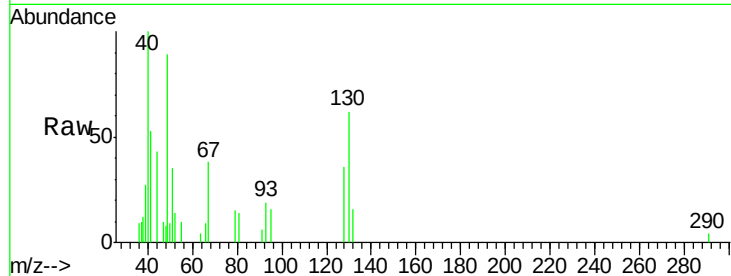
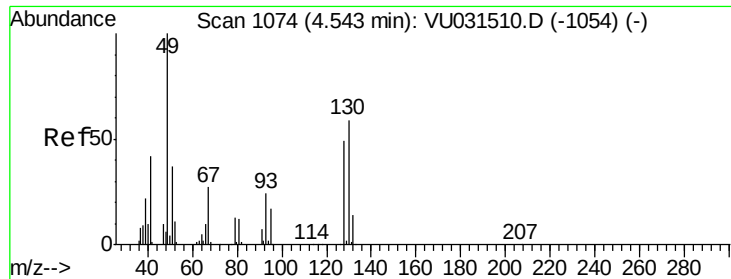
65 26.0 25.3 37.9



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





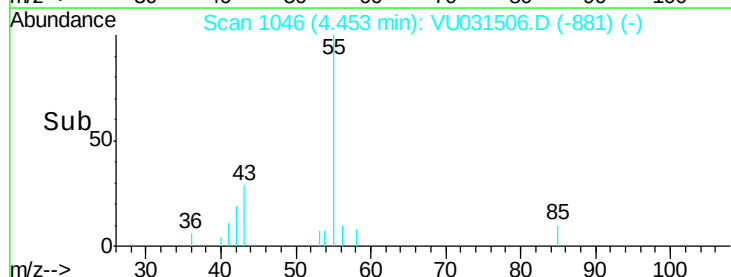
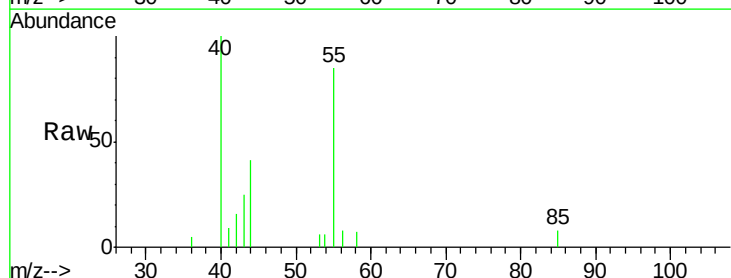
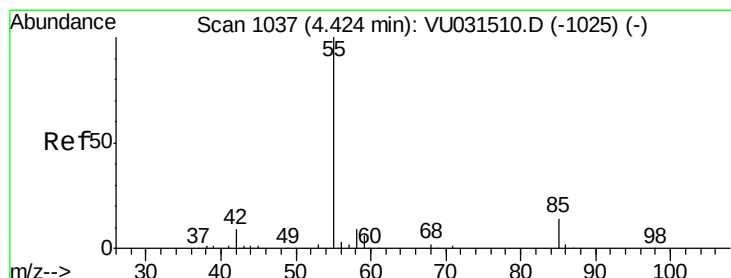
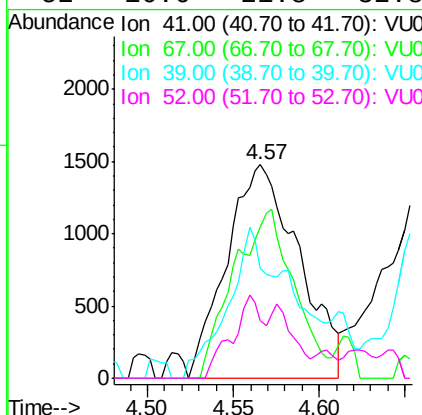
#39
Methacrylonitrile
Concen: 0.429 ug/l
RT: 4.57 min Scan# 1081
Delta R.T. 0.02 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tot Ion	41	Resp	4327
Ion	Ratio	Lower	Upper
41	100		
67	0.0	54.2	81.4#
39	40.8	43.8	65.8#
52	16.6	21.8	32.8#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

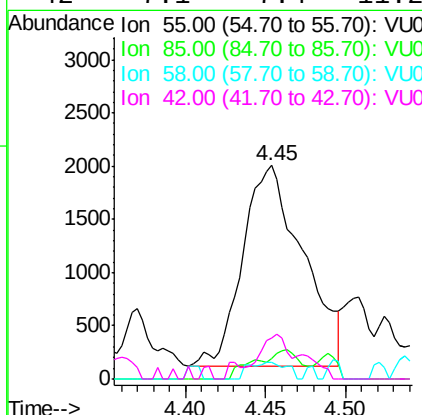
Manual Integrations
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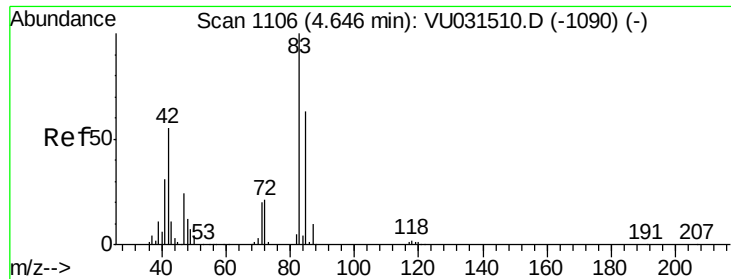
MMdadoda
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#40
Methyl acrylate
Concen: 0.639 ug/l
RT: 4.45 min Scan# 1046
Delta R.T. 0.03 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	55	Resp	4868
Ion	Ratio	Lower	Upper
55	100		
85	0.0	11.5	17.3#
58	3.6	6.5	9.7#
42	7.1	7.4	11.2#





#41

Tetrahydrofuran

Concen: 0.999 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

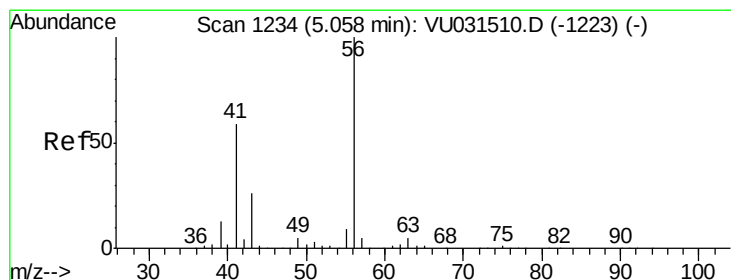
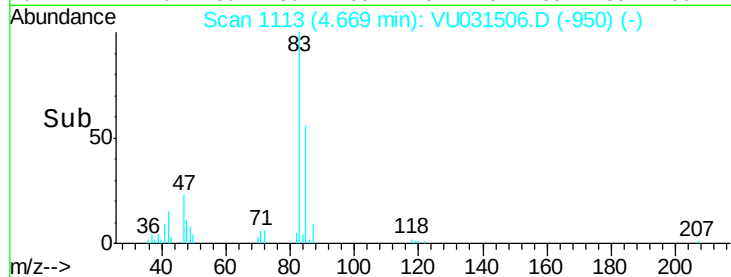
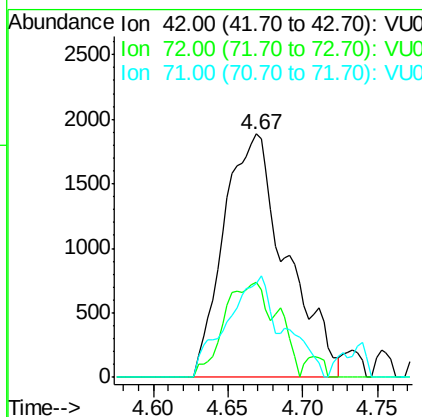
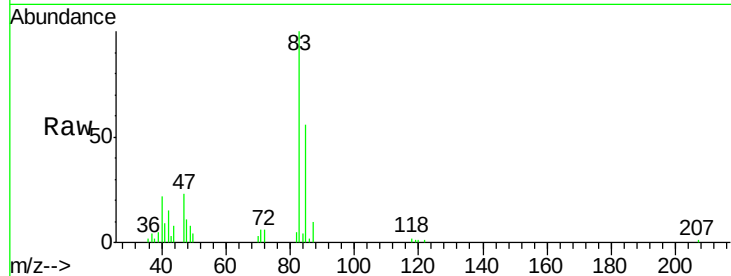
ClientSampleId :

VSTDIC0.5

Tot Ion:	42	Resp:	5469
Ion	Ratio	Lower	Upper
42	100		
72	26.5	32.1	48.1#
71	30.1	29.2	43.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.471 ug/l

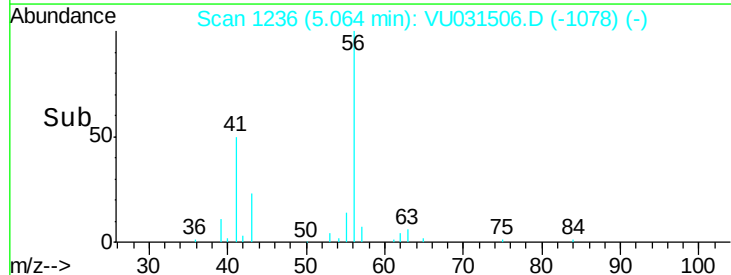
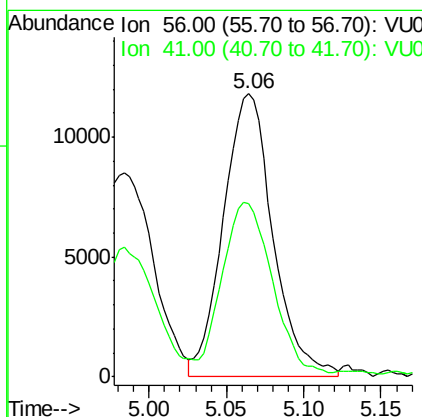
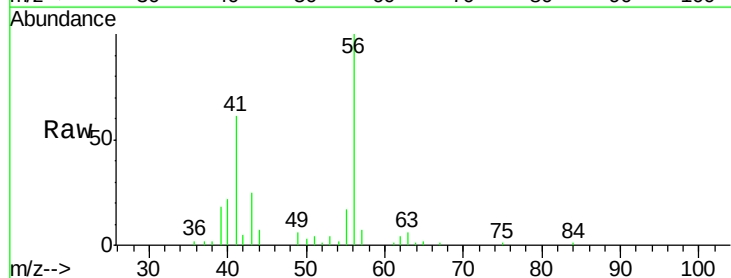
RT: 5.06 min Scan# 1236

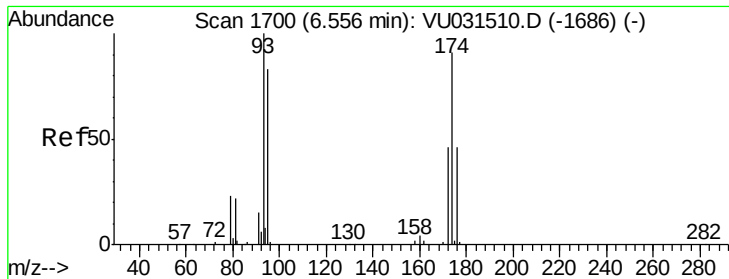
Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	56	Resp:	26306
Ion	Ratio	Lower	Upper
56	100		
41	60.2	29.3	88.0





#43

Dibromomethane

Concen: 0.568 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

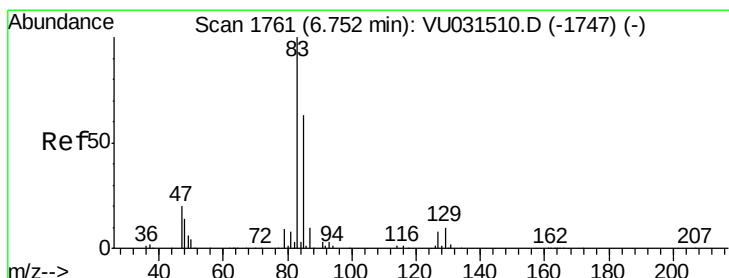
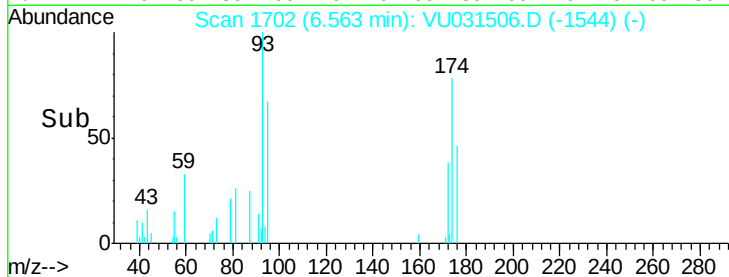
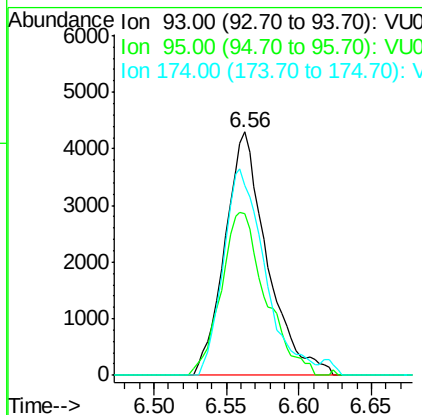
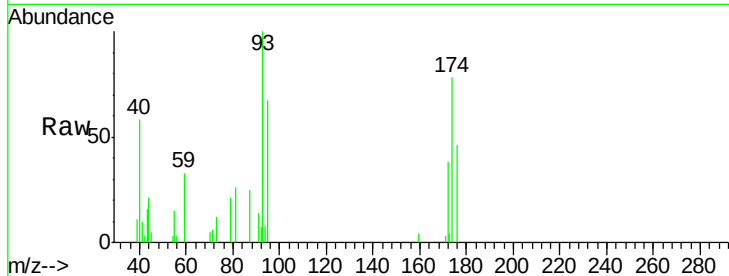
ClientSampleId :

VSTDIC0.5

Tot Ion:	93	Resp:	8665
Ion	Ratio	Lower	Upper
93	100		
95	70.5	65.7	98.5
174	83.3	71.8	107.8

Manual Integrations
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#44

Bromodichloromethane

Concen: 0.513 ug/l

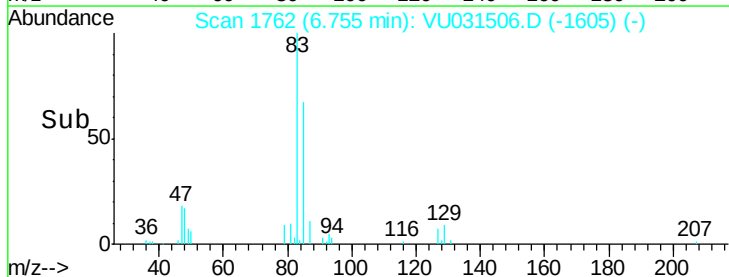
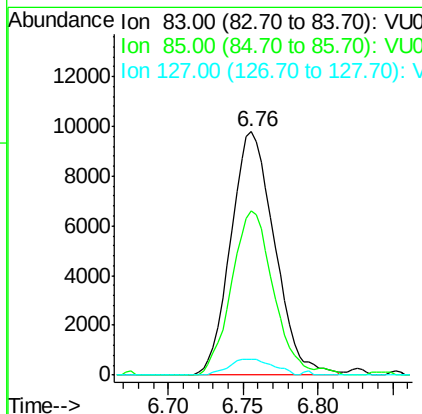
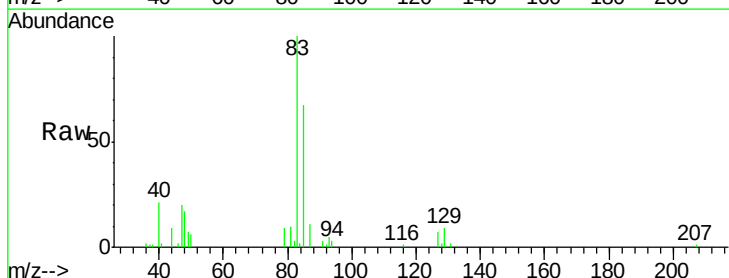
RT: 6.76 min Scan# 1762

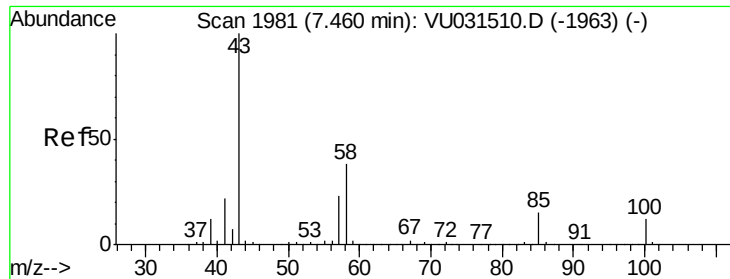
Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	83	Resp:	19919
Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.3	75.5
127	6.7	6.6	9.8





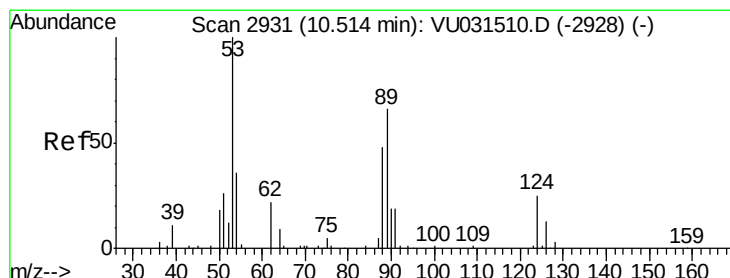
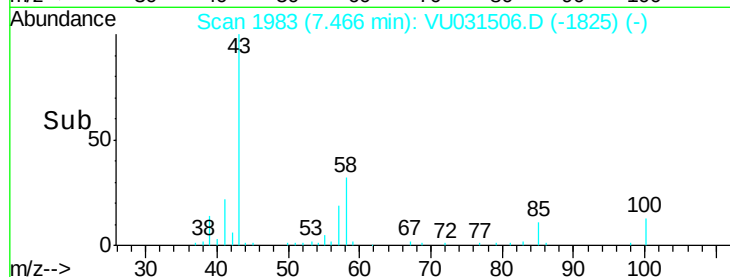
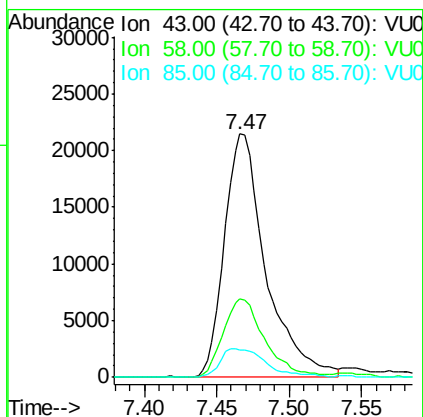
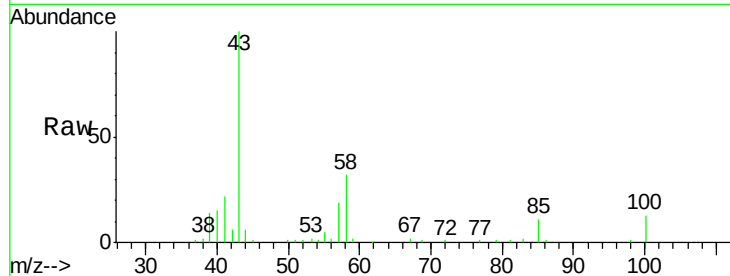
#45
4-Methyl-2-Pentanone
Concen: 2.312 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	43	Resp	42653
Ion	Ratio	Lower	Upper
43	100		
58	32.5	18.7	56.1
85	13.2	12.1	18.1

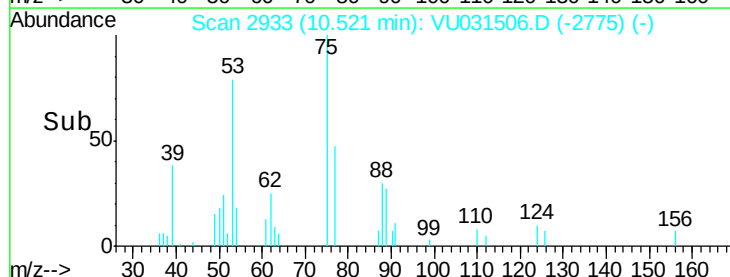
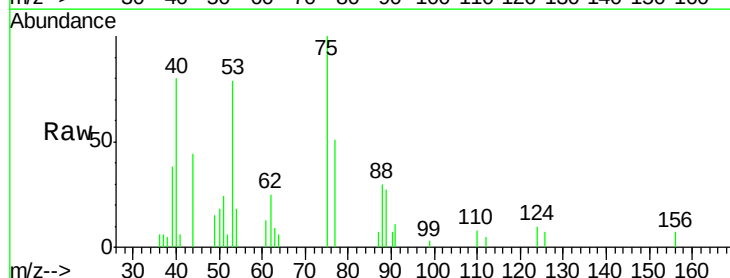
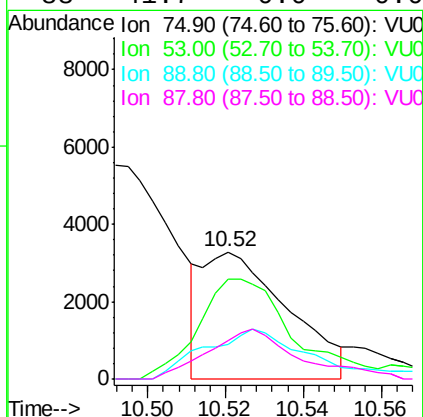
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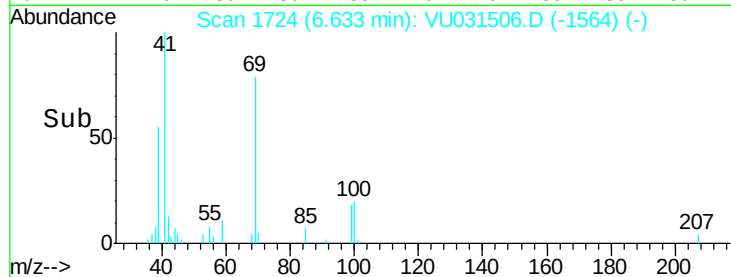
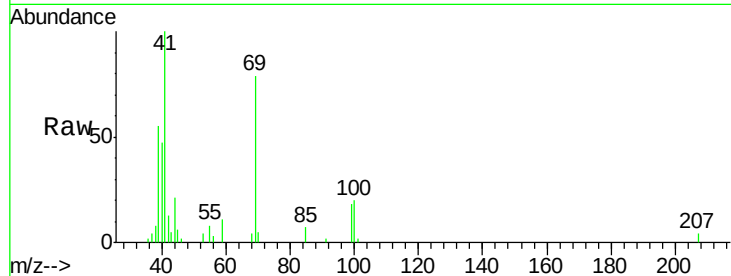
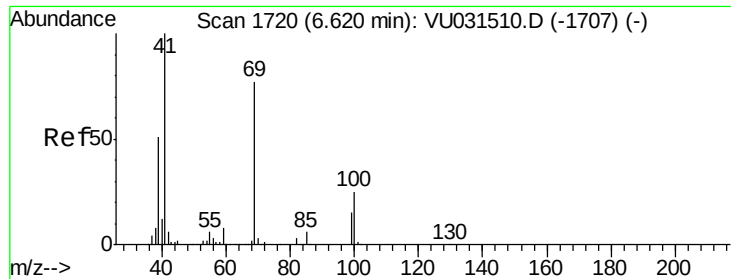
MMdadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 0.858 ug/l m
RT: 10.52 min Scan# 2933
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	75	Resp	4999
Ion	Ratio	Lower	Upper
75	100		
53	86.8	63.8	95.8
89	48.0	38.6	57.8
88	41.7	0.0	0.0#





#47

Methyl methacrylate

Concen: 0.755 ug/l

RT: 6.63 min Scan# 1724

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tot Ion:	69.00	Resp:	9201
Ion Ratio	Lower	Upper	
69	100		
41	136.6	0.0	256.4
39	77.7	52.2	78.4
100	16.4	25.9	38.9#

Instrument :

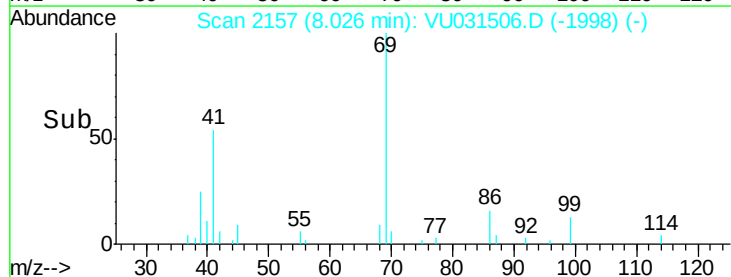
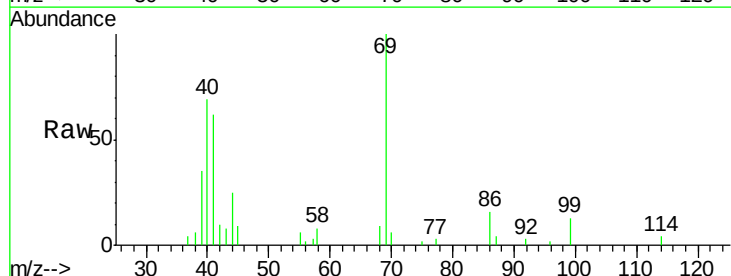
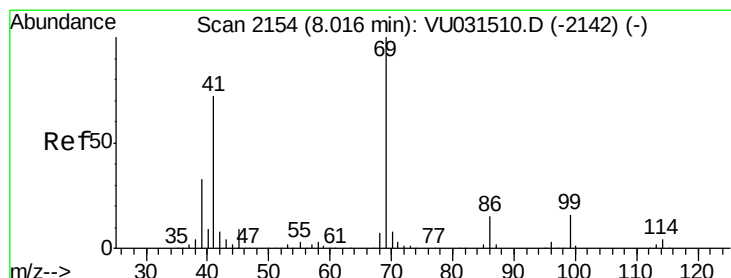
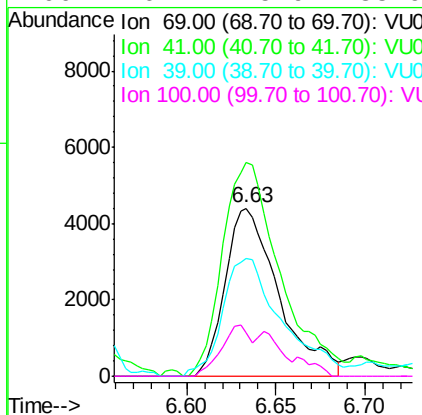
MSVOA_U

ClientSampleId :

VSTDIC0.5

Manual Integrations
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#48

Ethyl methacrylate

Concen: 0.698 ug/l

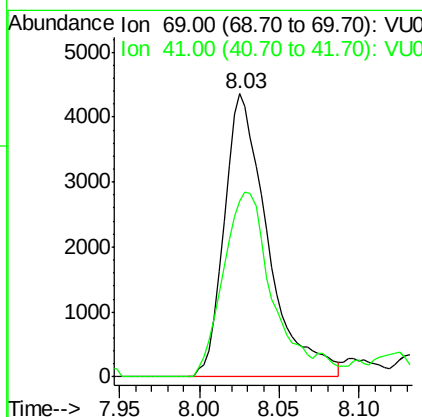
RT: 8.03 min Scan# 2157

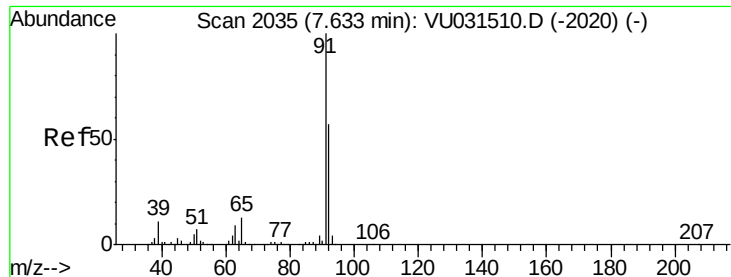
Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion:	69.00	Resp:	8126
Ion Ratio	Lower	Upper	
69	100		
41	71.1	35.5	106.5





#49

Toluene

Concen: 0.444 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 92 Resp: 25718

Ion Ratio Lower Upper

92 100

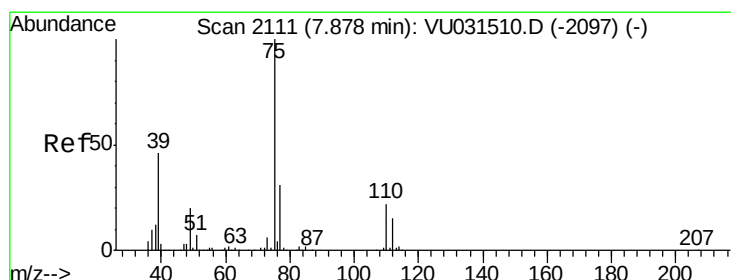
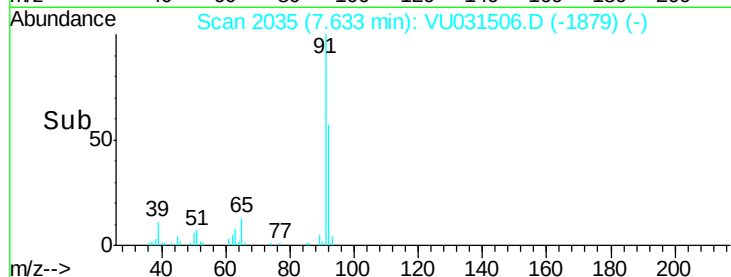
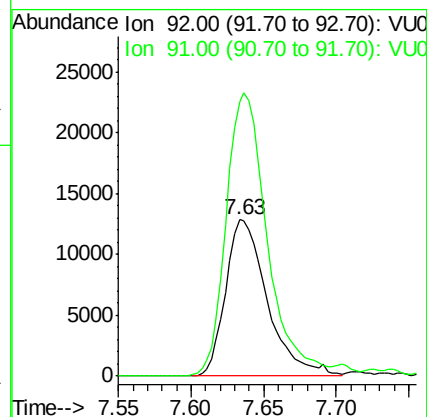
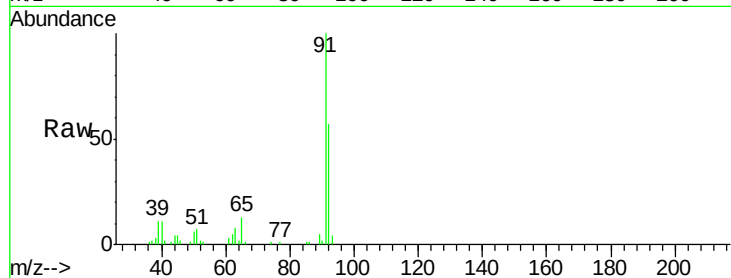
91 177.5 142.0 213.0

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 0.487 ug/l

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VU031506.D

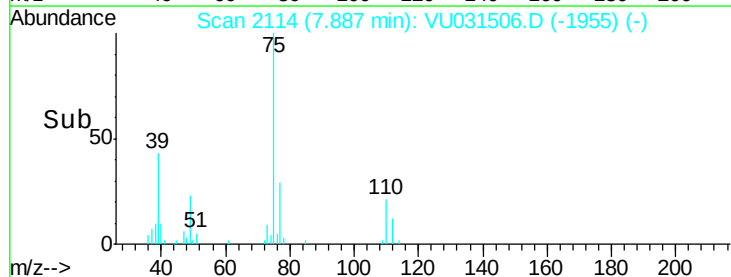
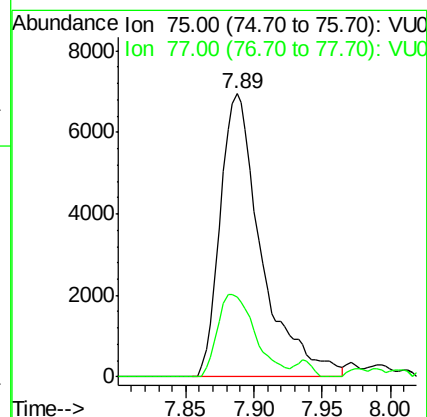
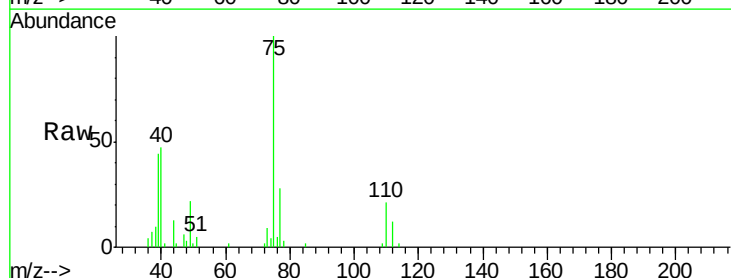
Acq: 25 Apr 2019 17:35

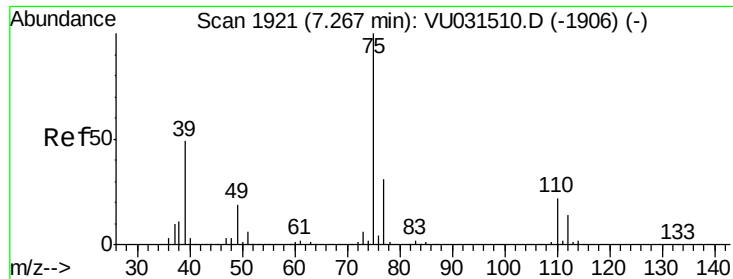
Tgt Ion: 75 Resp: 14612

Ion Ratio Lower Upper

75 100

77 28.3 25.0 37.4





#51

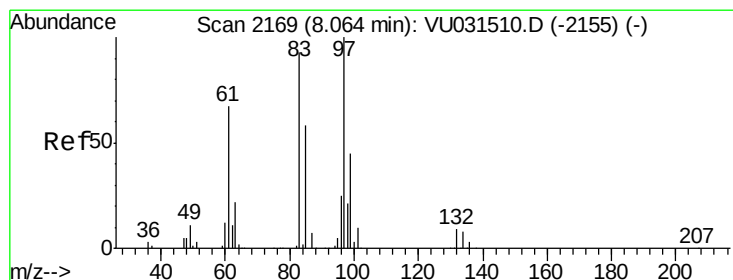
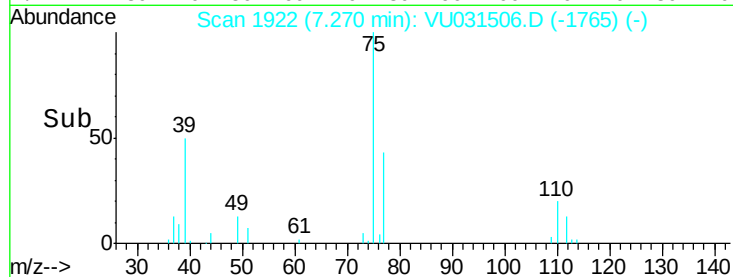
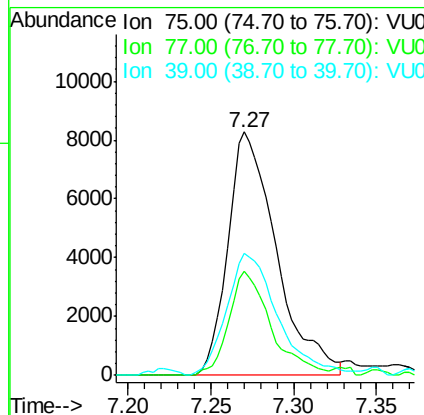
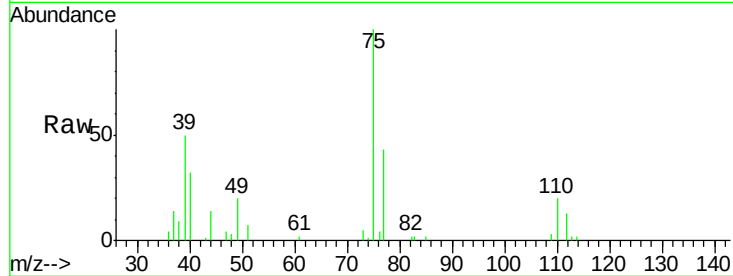
cis-1,3-Dichloropropene
Concen: 0.449 ug/l
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	42.8	25.0	37.4#
39	49.9	39.0	58.6

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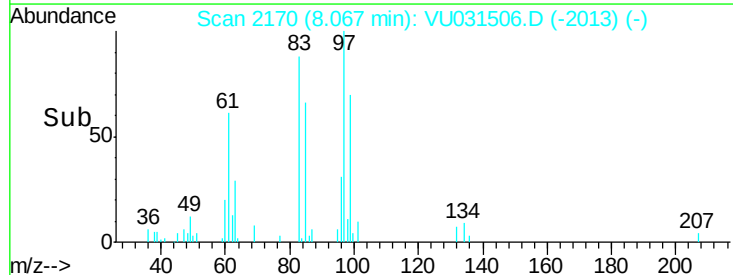
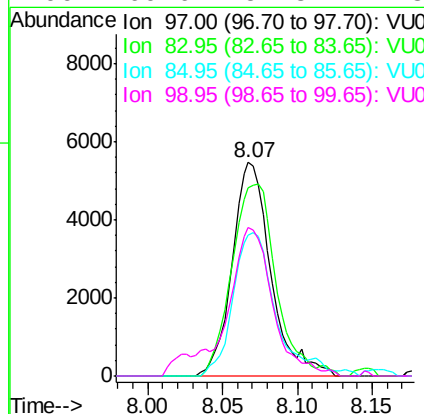
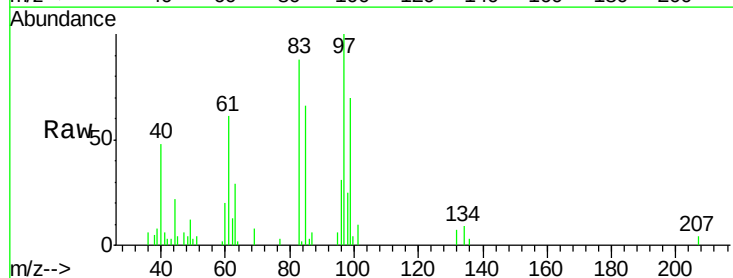
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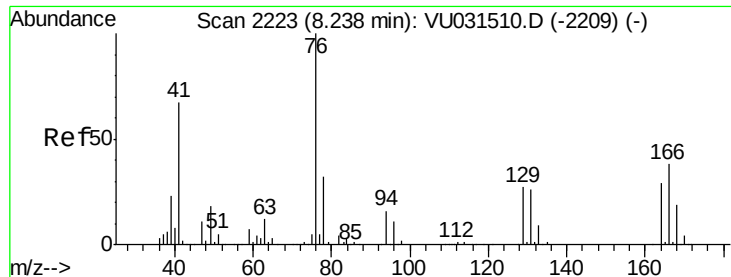


#52

1,1,2-Trichloroethane
Concen: 0.483 ug/l
RT: 8.07 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	74.8	112.2
85	65.9	48.3	72.5
99	69.6	51.8	77.8





#53

1,3-Dichloropropane

Concen: 0.506 ug/l

RT: 8.25 min Scan# 2226

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 76 Resp: 17767

Ion Ratio Lower Upper

76 100

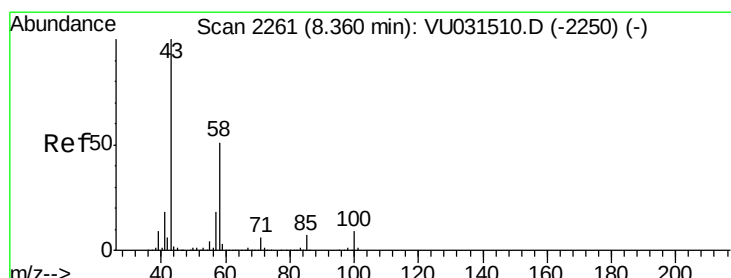
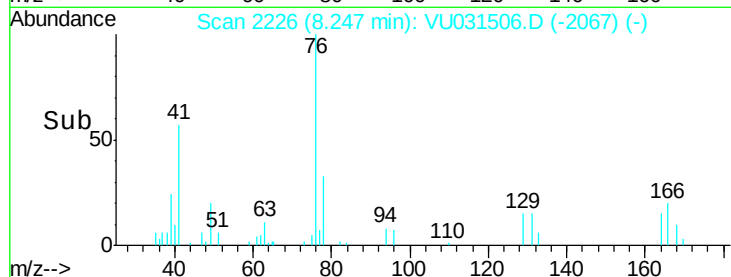
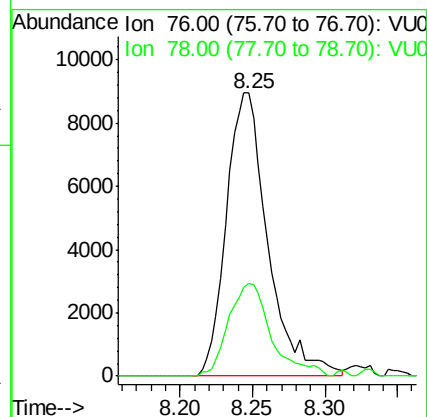
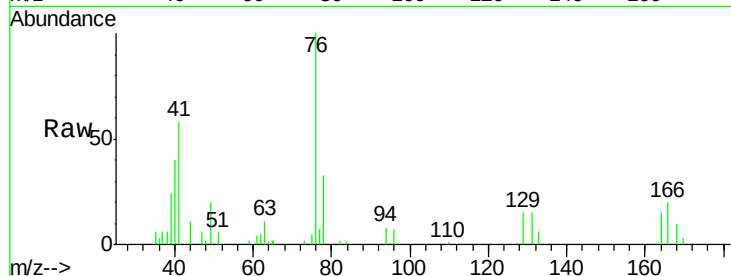
78 33.7 25.7 38.5

Manual Integrations

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#54

2-Hexanone

Concen: 2.207 ug/l

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

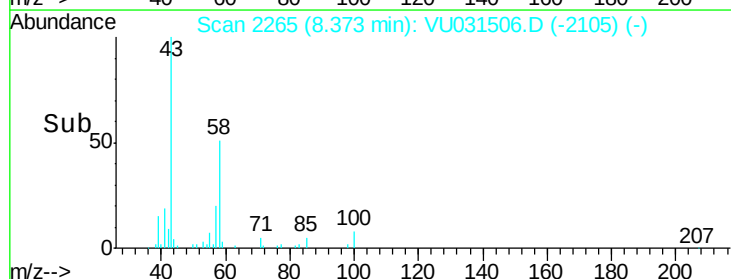
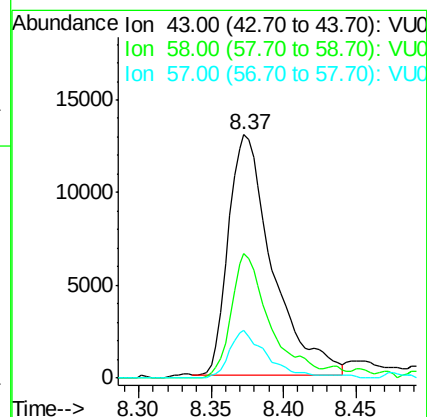
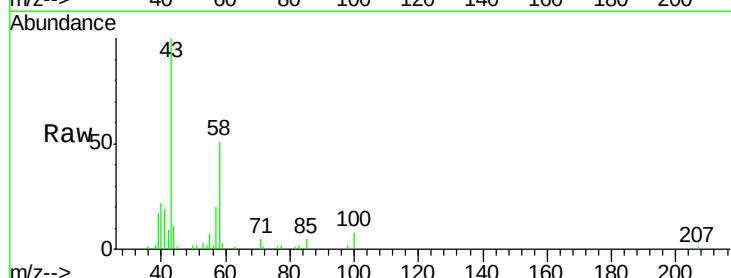
Tgt Ion: 43 Resp: 27264

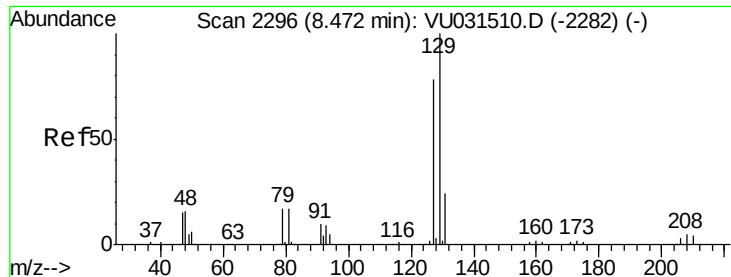
Ion Ratio Lower Upper

43 100

58 45.3 30.3 70.3

57 17.0 0.0 37.8





#55

Dibromochloromethane

Concen: 0.523 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:129 Resp: 11896

Ion Ratio Lower Upper

129 100

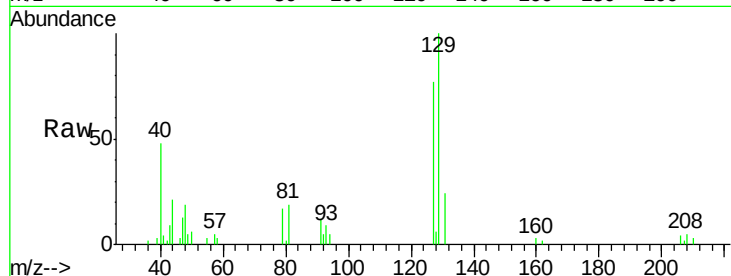
127 74.6 62.6 94.0

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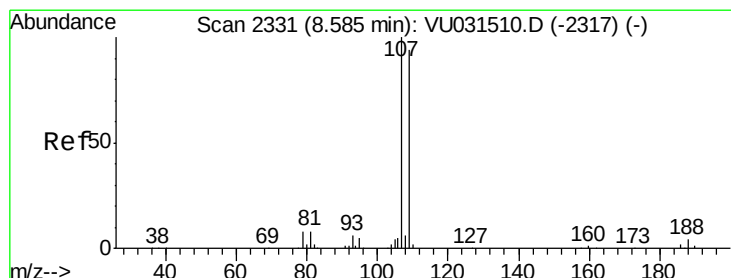
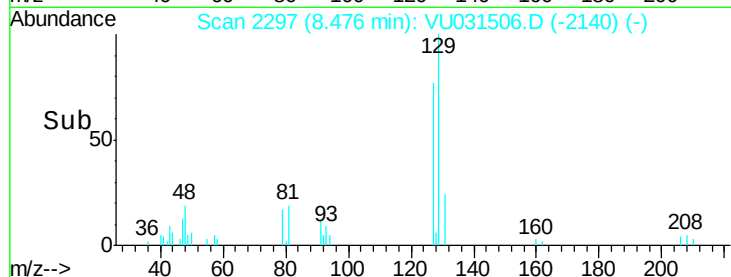
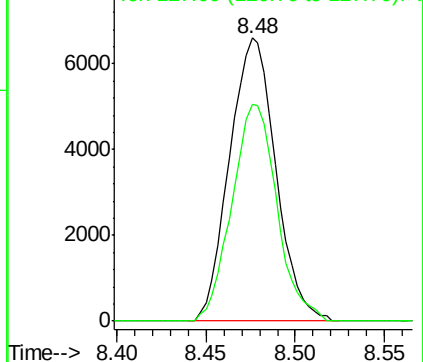
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.507 ug/l

RT: 8.59 min Scan# 2332

Delta R.T. 0.00 min

Lab File: VU031506.D

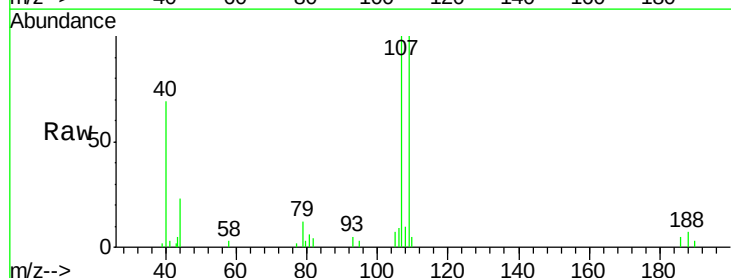
Acq: 25 Apr 2019 17:35

Tgt Ion:107 Resp: 9096

Ion Ratio Lower Upper

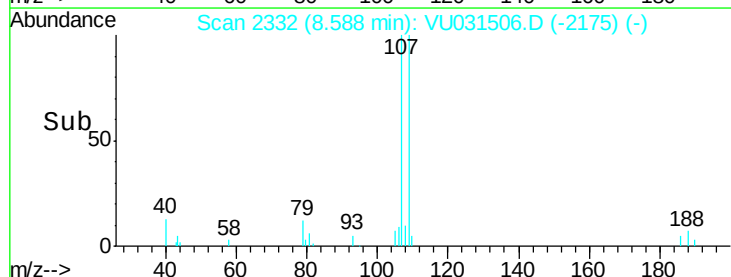
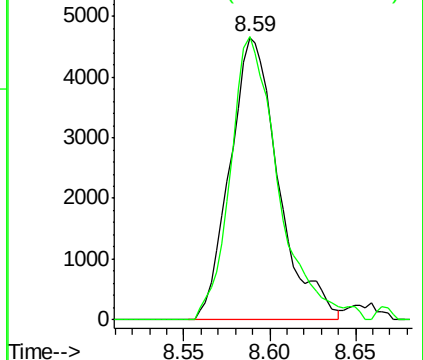
107 100

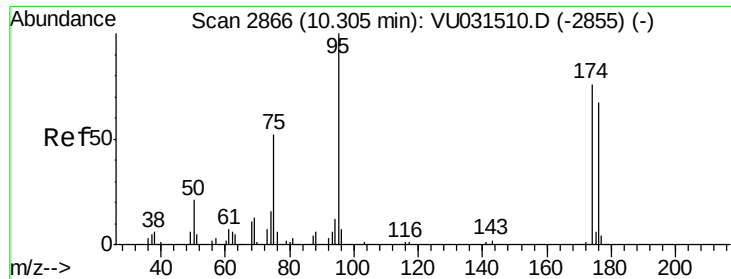
109 99.6 0.0 186.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





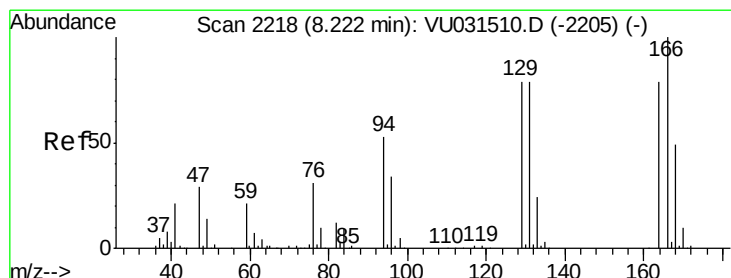
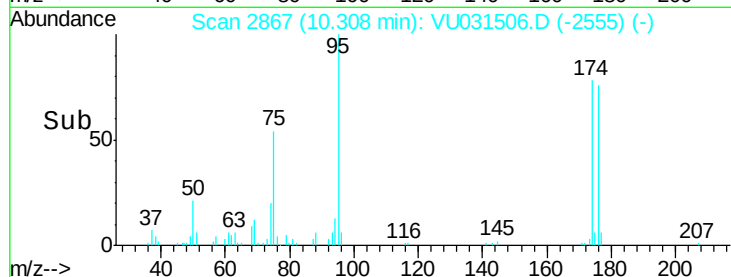
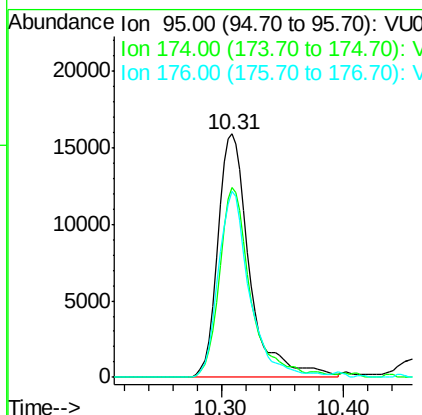
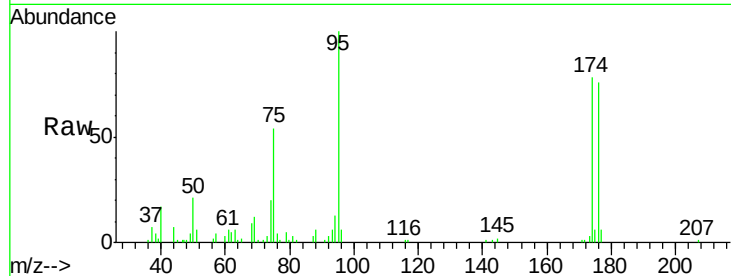
#57
 4-Bromofluorobenzene
 Concen: 0.968 ug/l
 RT: 10.31 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	57.9	86.9
176	75.1	54.0	81.0

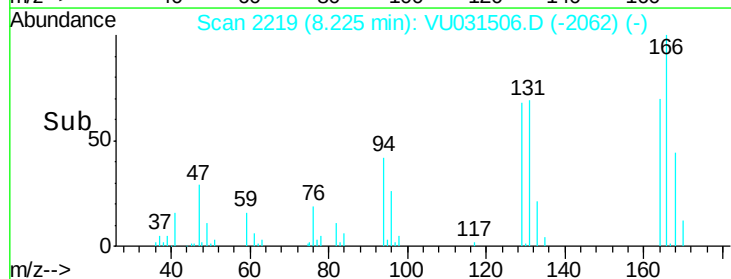
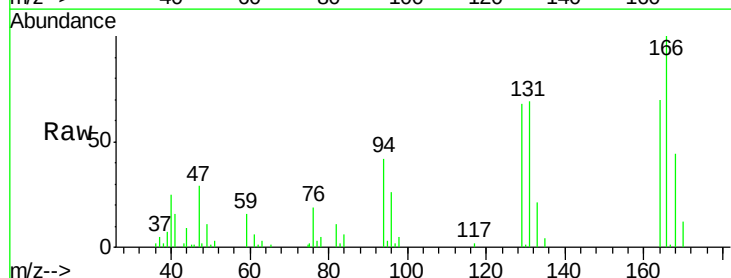
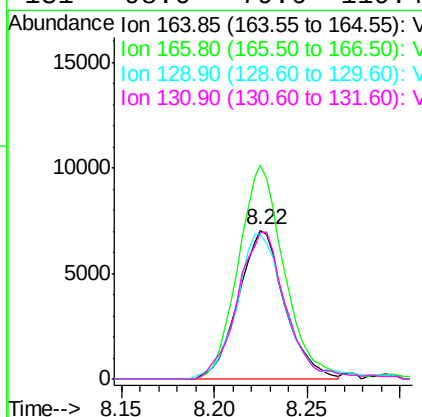
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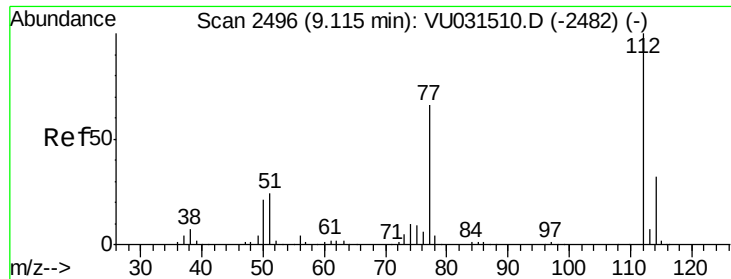
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#58
 Tetrachloroethene
 Concen: 0.456 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	143.8	101.2	151.8
129	97.2	80.2	120.4
131	98.6	79.6	119.4





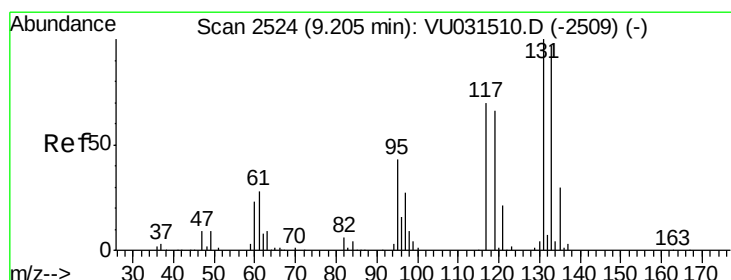
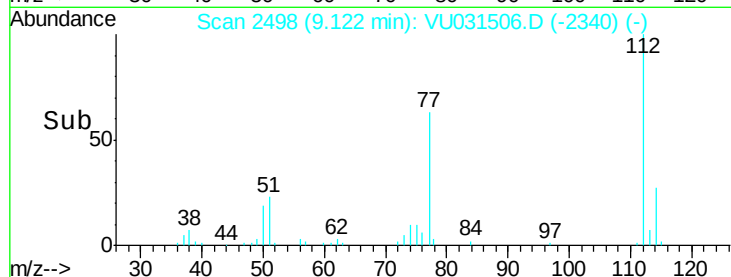
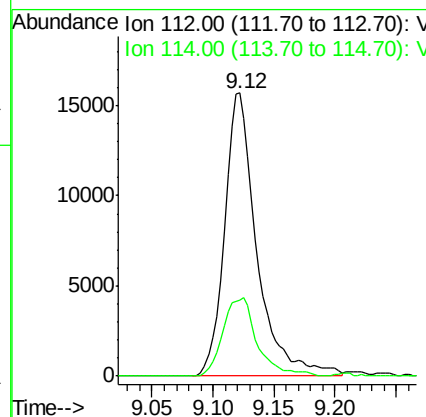
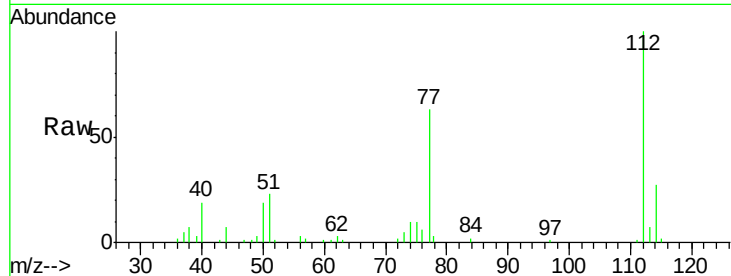
#59
Chlorobenzene
Concen: 0.480 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 29060
Ion Ratio Lower Upper
112 100
114 27.0 25.8 38.6

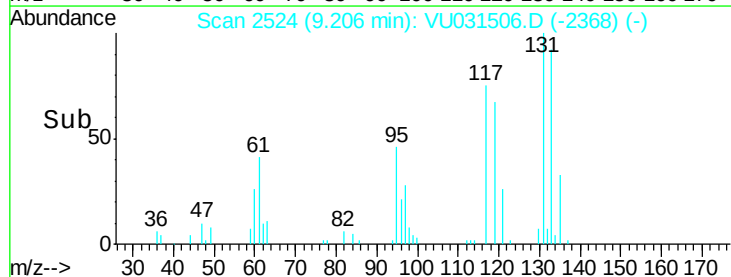
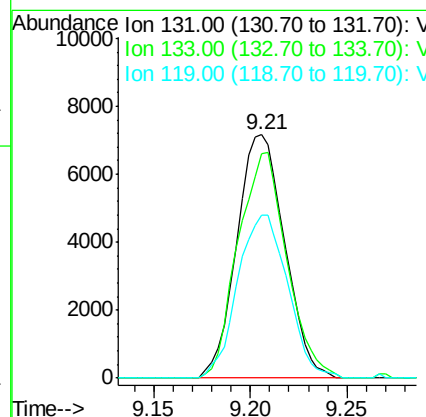
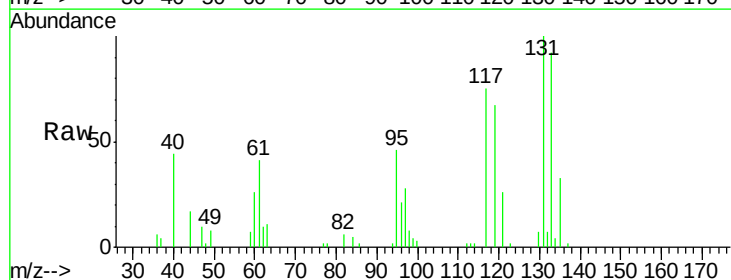
Manual Integrations
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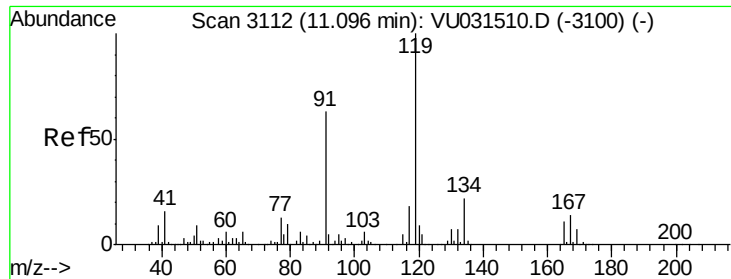
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.507 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion:131 Resp: 12334
Ion Ratio Lower Upper
131 100
133 94.5 77.7 116.5
119 70.1 53.4 80.0





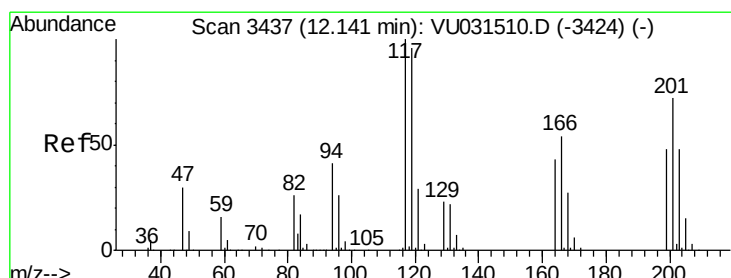
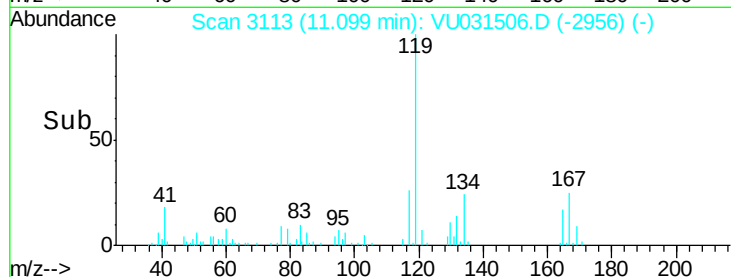
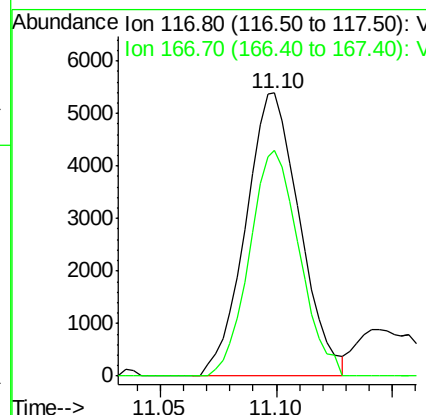
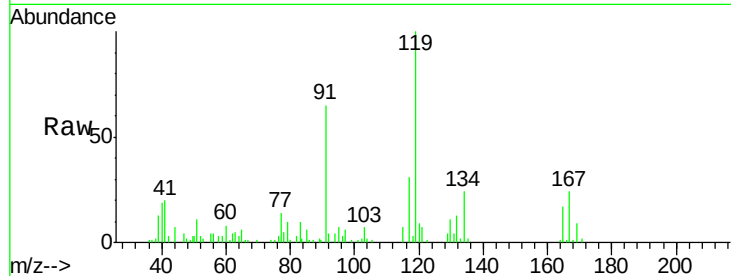
#61
 Pentachloroethane
 Concen: 0.524 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:117 Resp: 8752
 Ion Ratio Lower Upper
 117 100
 167 73.4 62.5 93.7

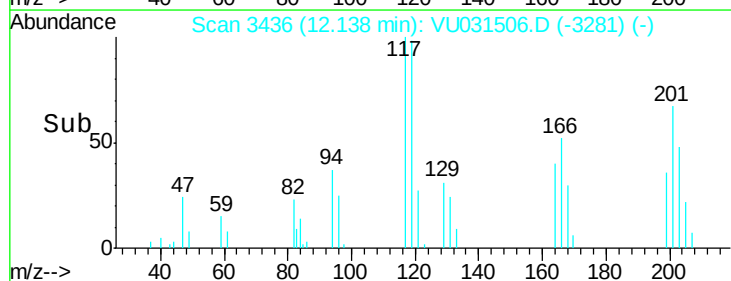
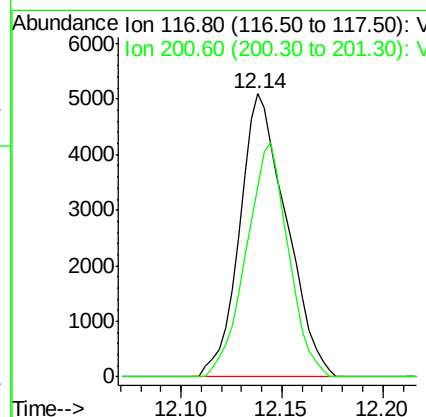
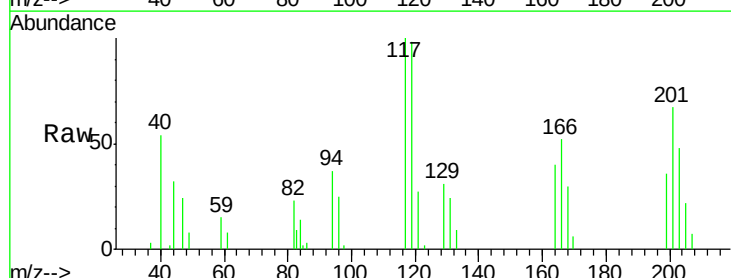
Manual Integrations
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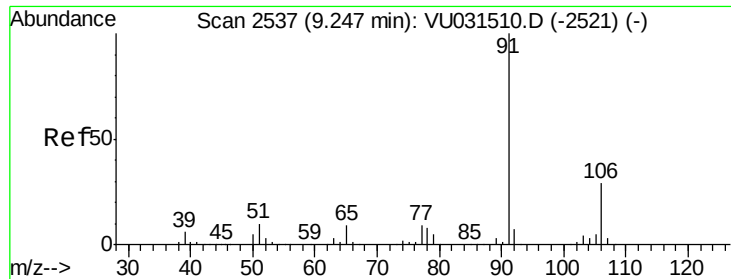
MMdadoda
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#62
 Hexachloroethane
 Concen: 0.494 ug/l
 RT: 12.14 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion:117 Resp: 8262
 Ion Ratio Lower Upper
 117 100
 201 74.4 60.0 90.0





#63

Ethyl Benzene

Concen: 0.393 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tot Ion: 91 Resp: 39540

Ion Ratio Lower Upper

91 100

106 26.9 23.4 35.2

Instrument :

MSVOA_U

ClientSampleId :

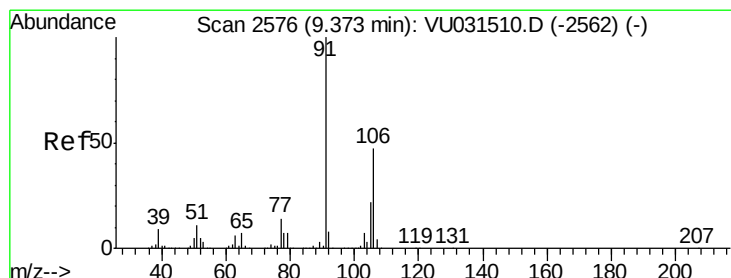
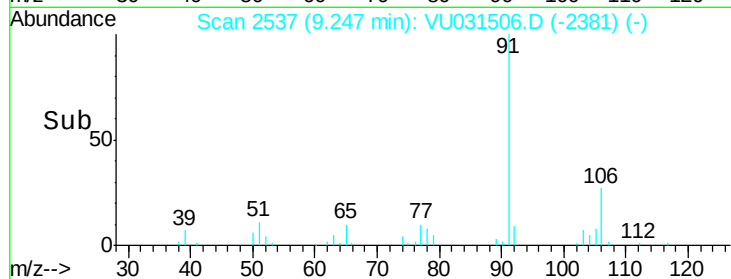
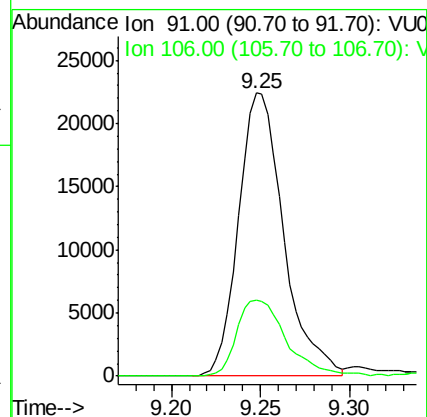
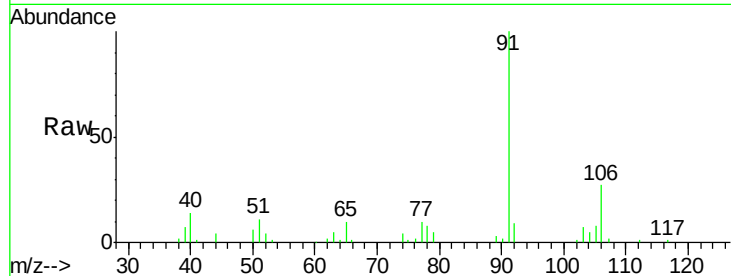
VSTDIC0.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 0.770 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031506.D

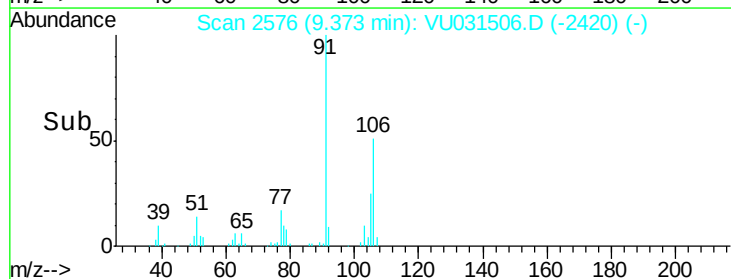
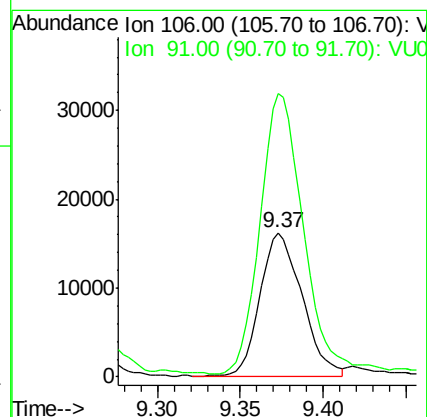
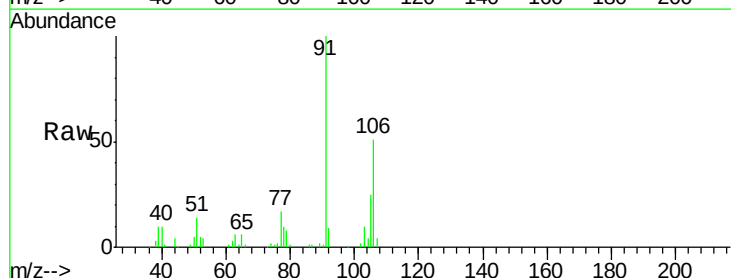
Acq: 25 Apr 2019 17:35

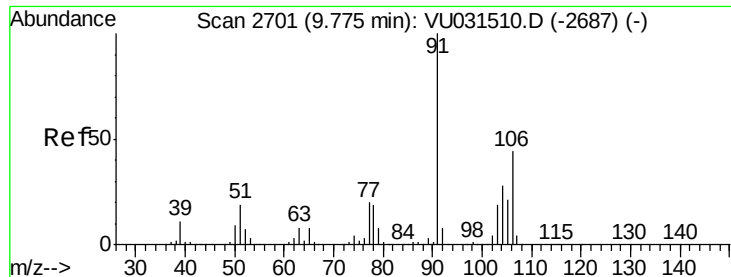
Tgt Ion: 106 Resp: 28888

Ion Ratio Lower Upper

106 100

91 196.5 171.0 256.4





#65

o-Xylene

Concen: 0.382 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 14105

Ion Ratio Lower Upper

106 100

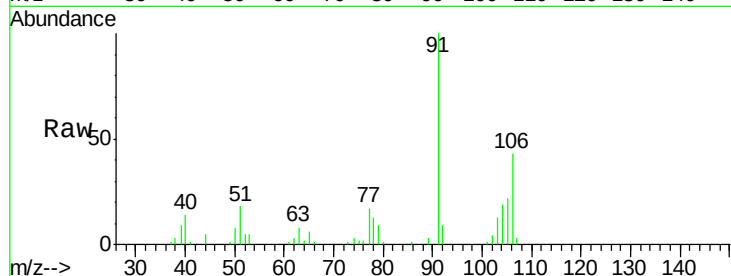
91 236.1 113.8 341.4

Manual Integrations

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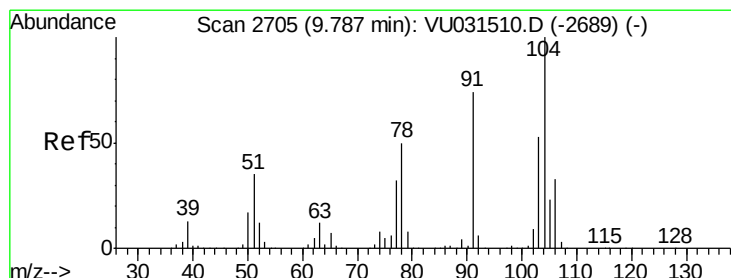
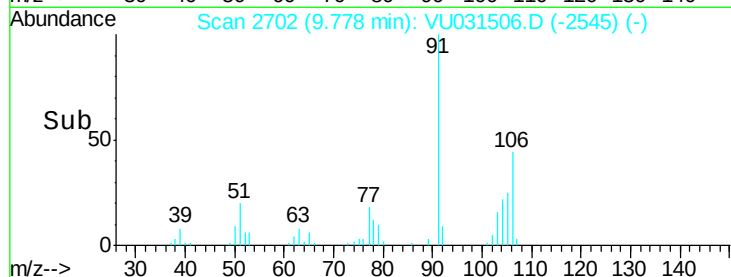
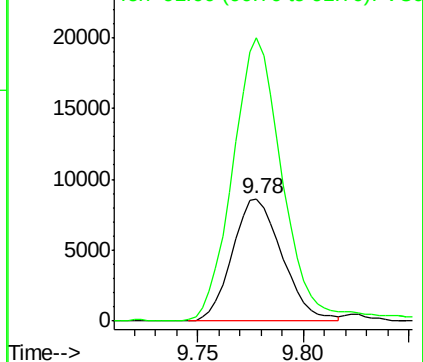
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.609 ug/l

RT: 9.79 min Scan# 2707

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

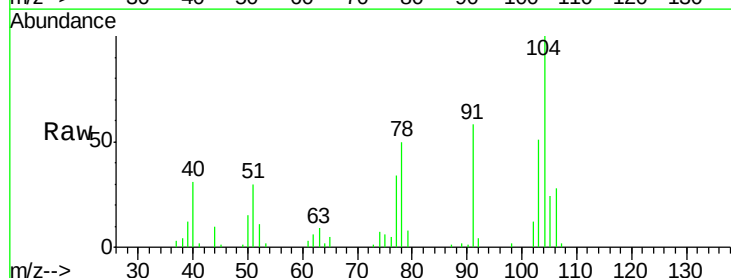
Tgt Ion:104 Resp: 21708

Ion Ratio Lower Upper

104 100

78 59.5 42.5 63.7

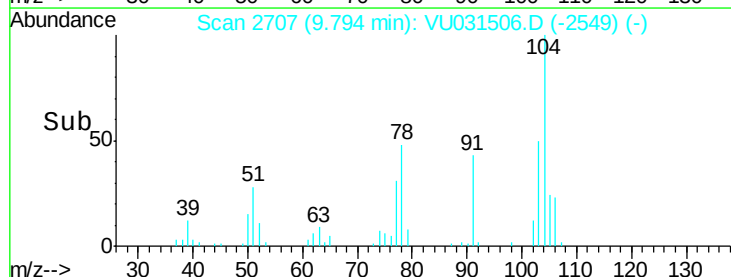
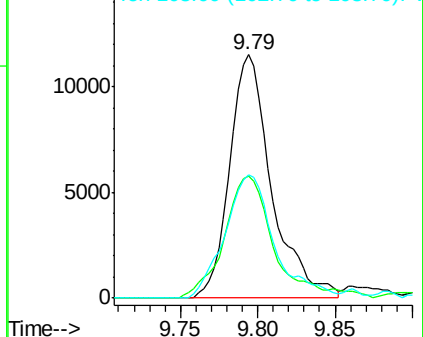
103 59.3 44.5 66.7

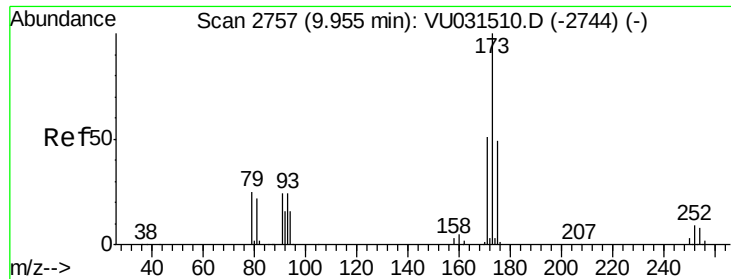


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





#67

Bromoform

Concen: 0.530 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

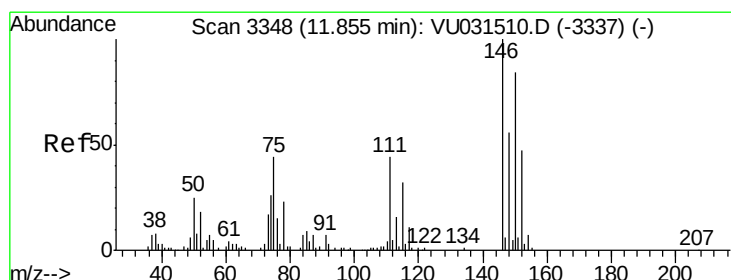
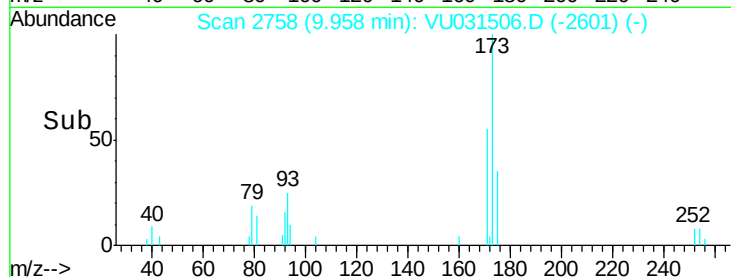
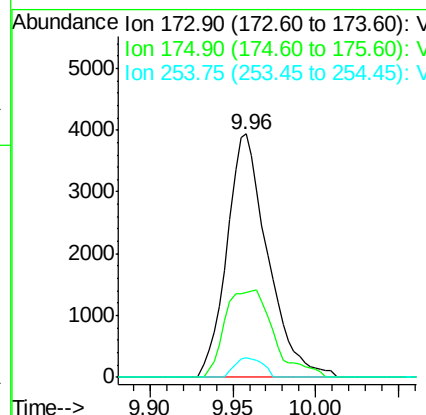
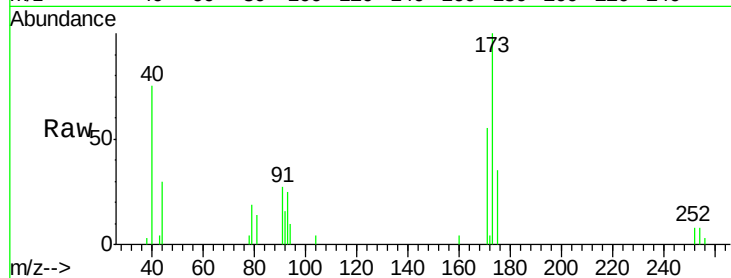
ClientSampleId :

VSTDIC0.5

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	42.7	38.7	58.1	
254	5.5	6.0	9.0	

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#68

1,2-Dichlorobenzene-d4

Concen: 0.878 ug/l

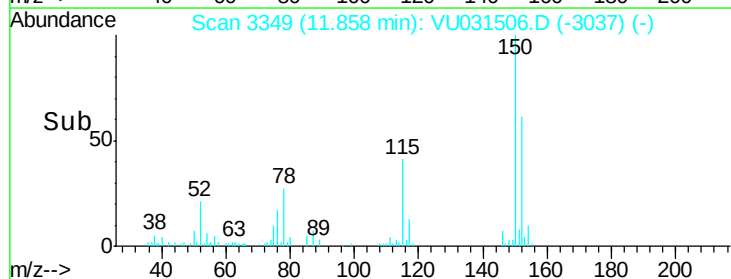
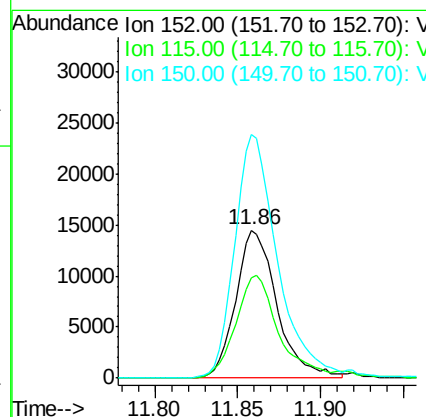
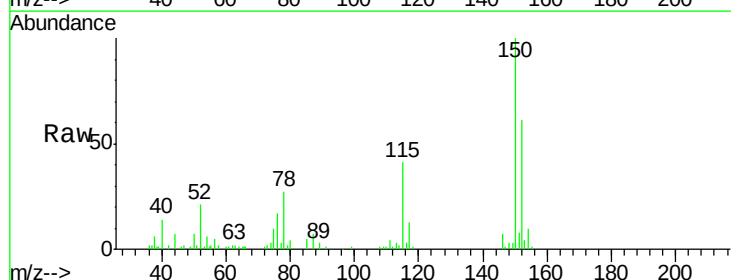
RT: 11.86 min Scan# 3349

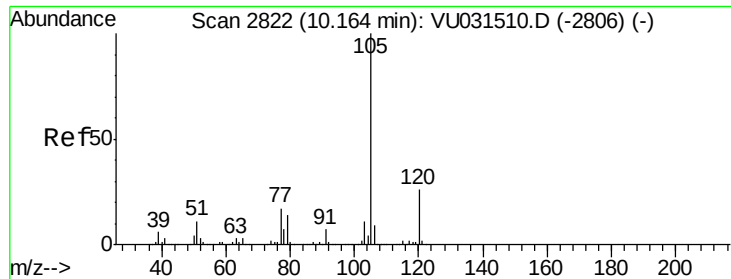
Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	71.9	0.0	123.2	
150	170.3	0.0	658.2	





#69

Isopropylbenzene

Concen: 0.394 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 37589

Ion Ratio Lower Upper

105 100

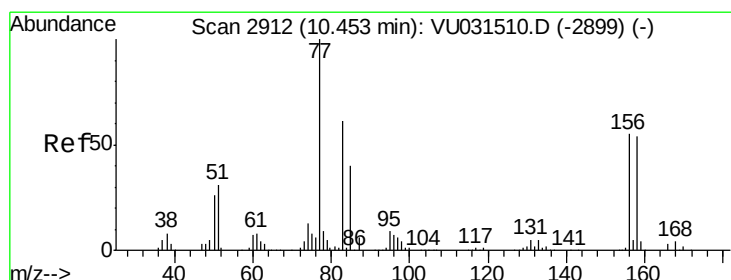
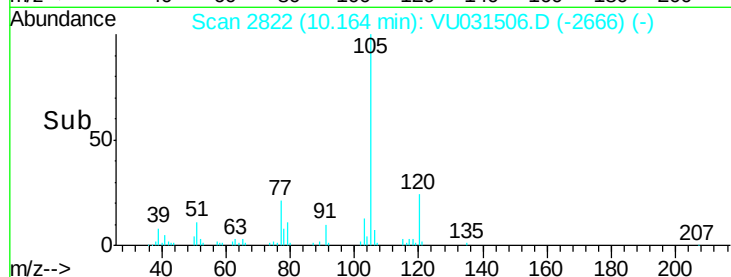
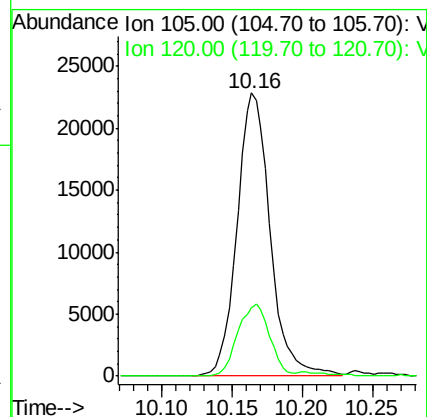
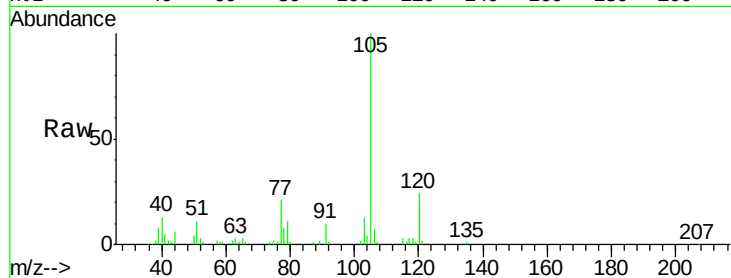
120 24.5 12.4 37.4

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.517 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

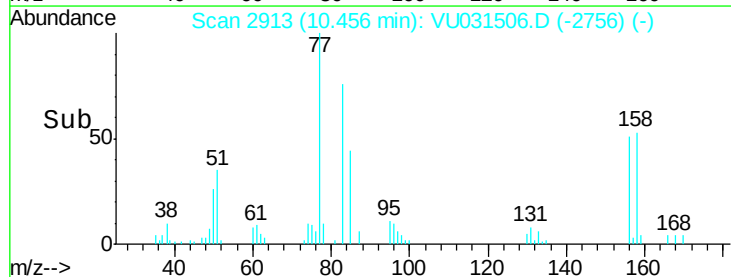
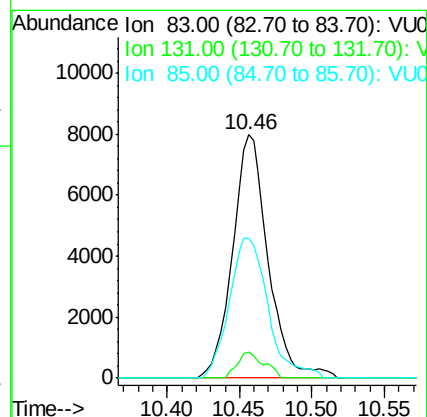
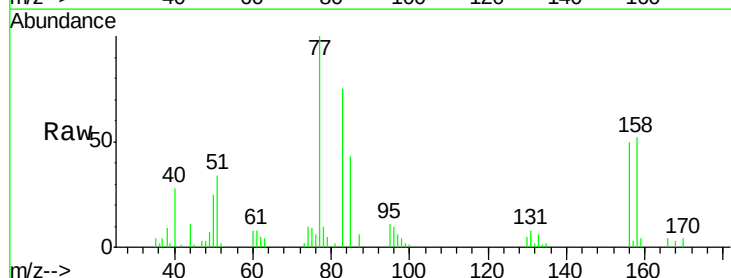
Tgt Ion: 83 Resp: 13516

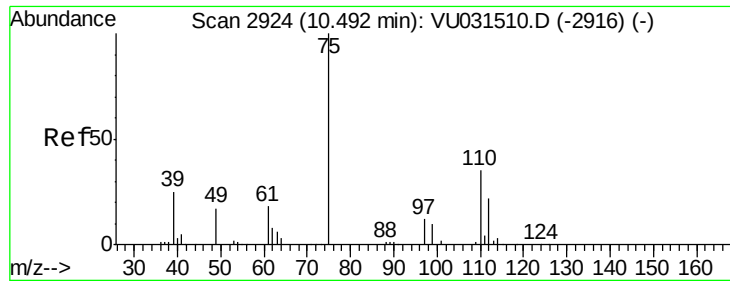
Ion Ratio Lower Upper

83 100

131 8.0 7.2 10.8

85 62.9 52.8 79.2





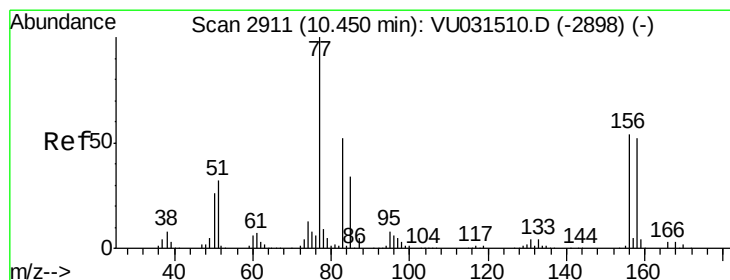
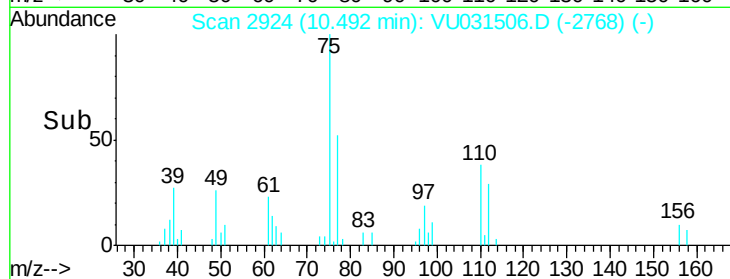
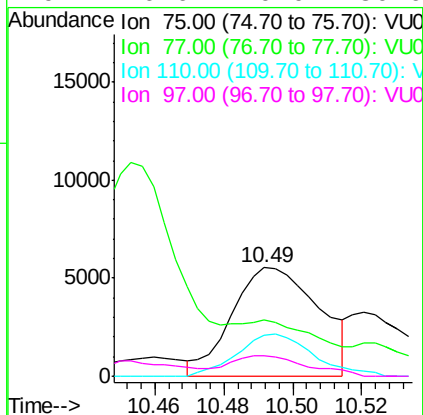
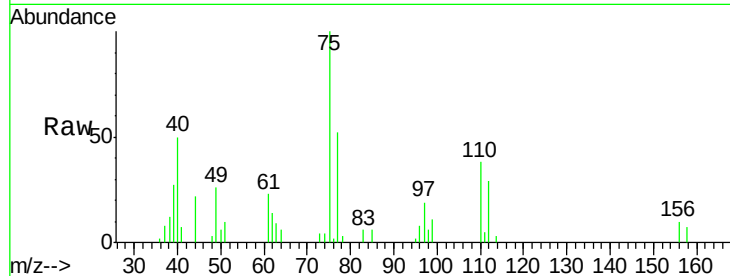
#71
 1,2,3-Trichloropropane
 Concen: 0.523 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	75	Resp:	9742
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	33.9	0.0	68.2
97	16.6	0.0	36.6

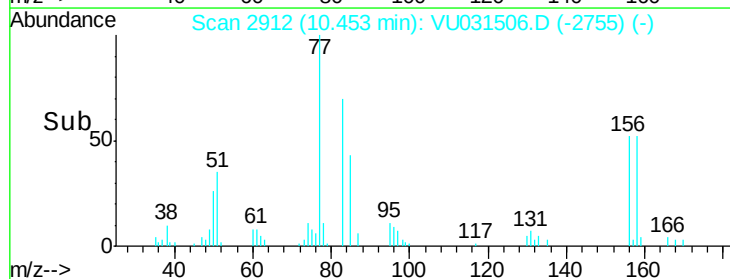
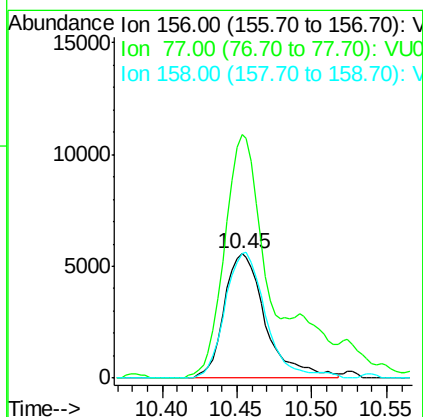
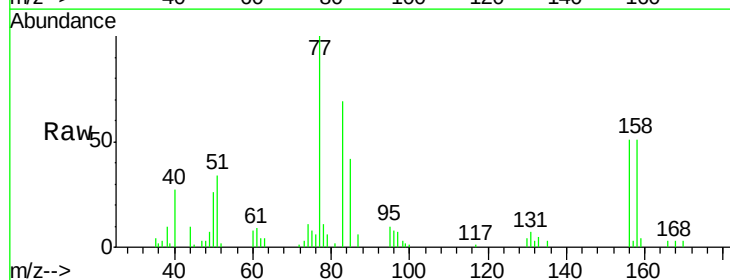
Manual Integrations
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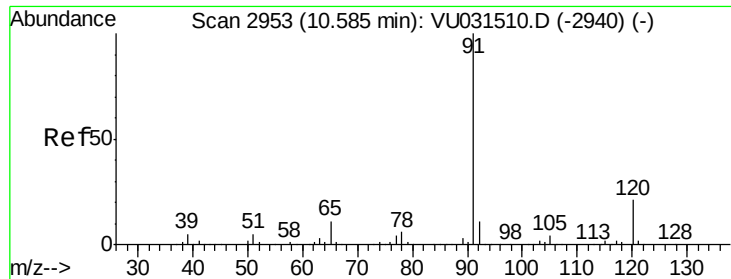
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#72
 Bromobenzene
 Concen: 0.438 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion:	156	Resp:	10736
Ion	Ratio	Lower	Upper
156	100		
77	185.6	0.0	353.4
158	99.6	0.0	190.6





#73

n-propylbenzene

Concen: 0.575 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 8830

Ion Ratio Lower Upper

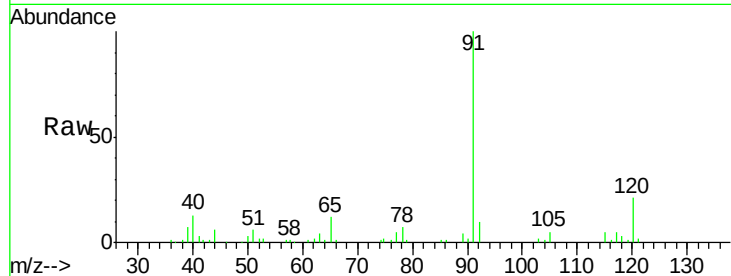
120 100

91 467.7 373.9 560.9

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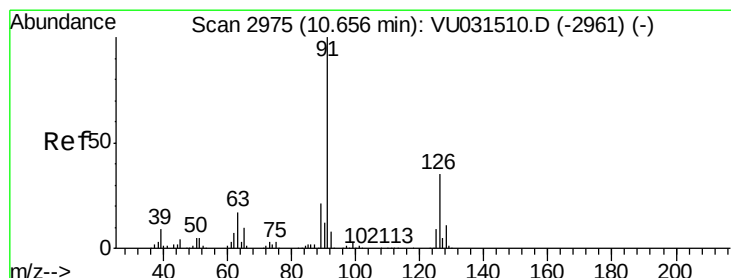
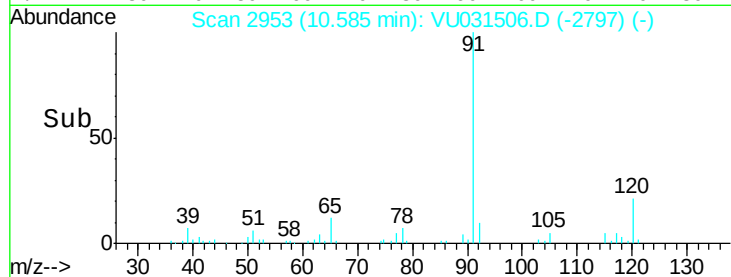
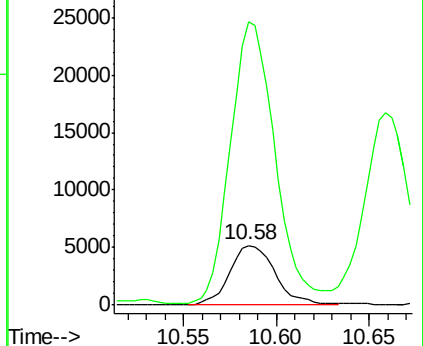
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.374 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU031506.D

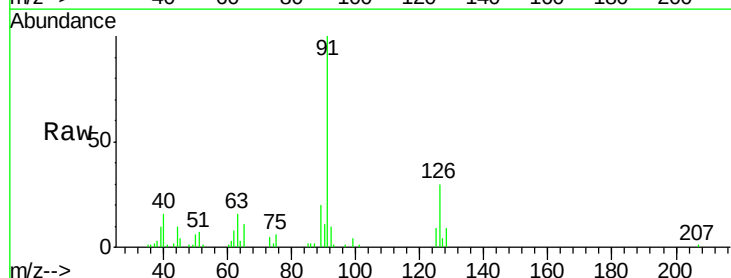
Acq: 25 Apr 2019 17:35

Tgt Ion:126 Resp: 8887

Ion Ratio Lower Upper

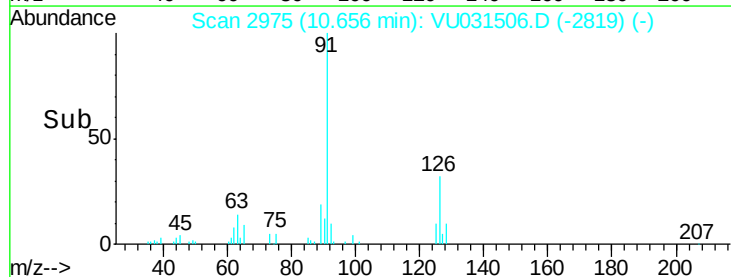
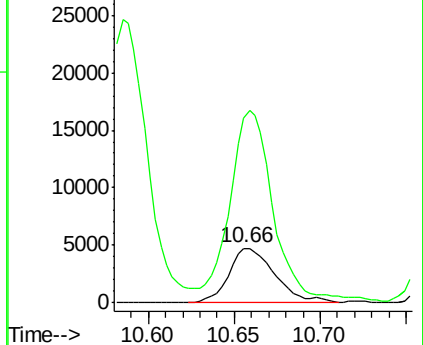
126 100

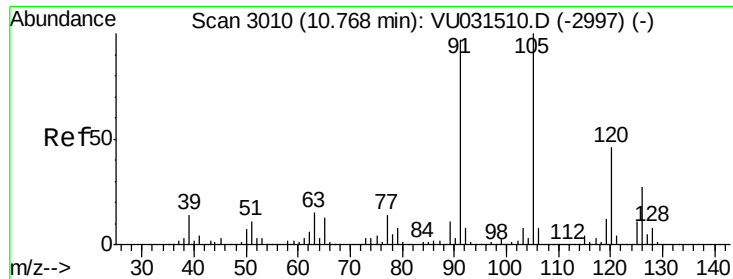
91 310.2 0.0 659.6



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: 0.530 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 28875

Ion Ratio Lower Upper

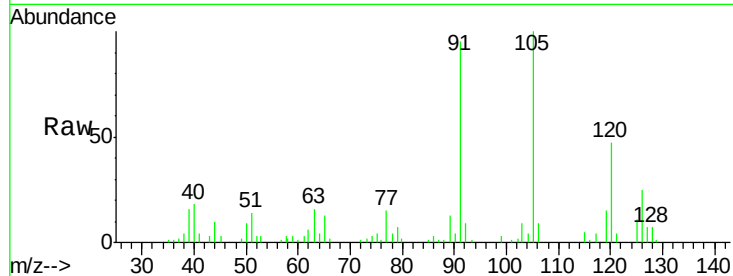
105 100

120 48.7 36.8 55.2

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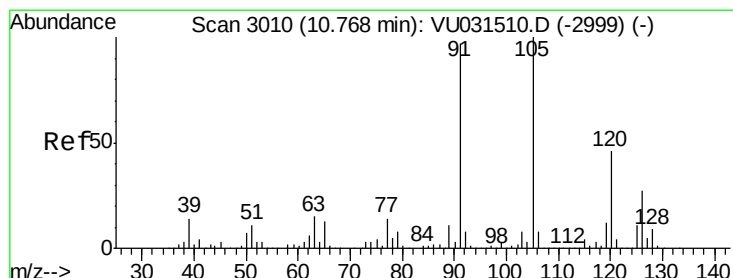
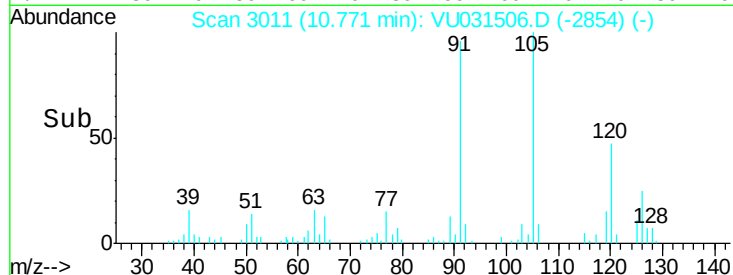
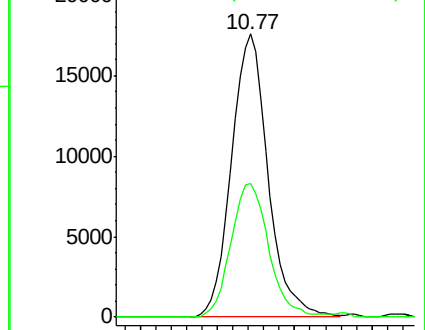
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.456 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU031506.D

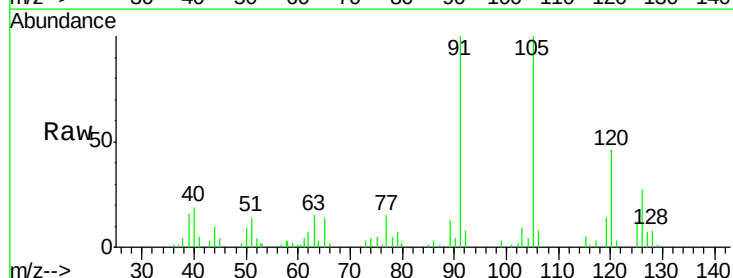
Acq: 25 Apr 2019 17:35

Tgt Ion:126 Resp: 7832

Ion Ratio Lower Upper

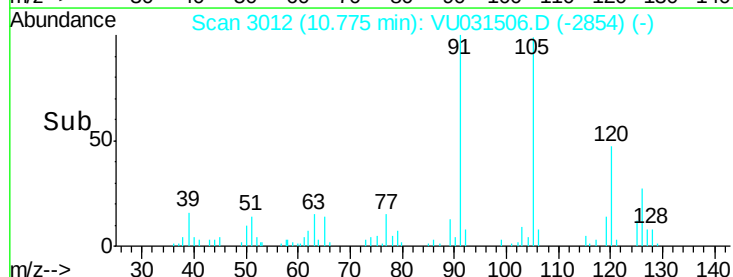
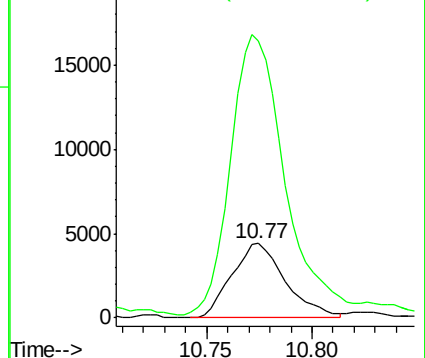
126 100

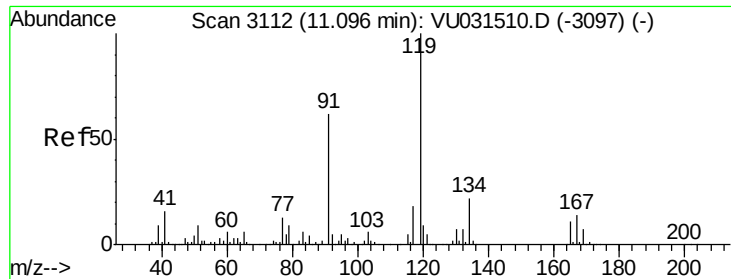
91 379.4 0.0 732.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





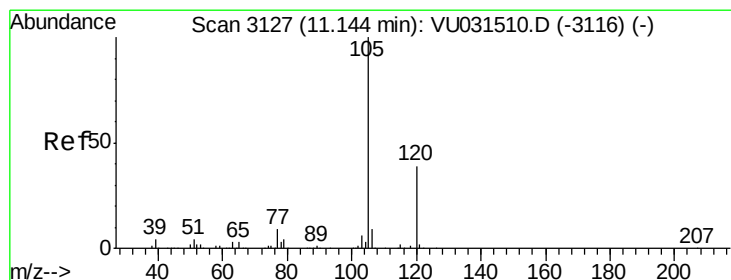
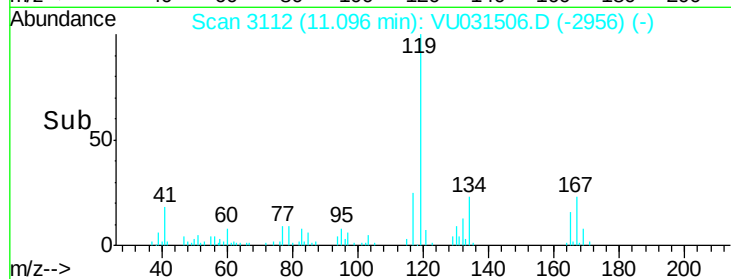
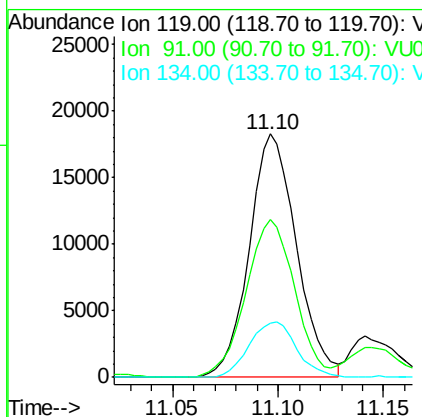
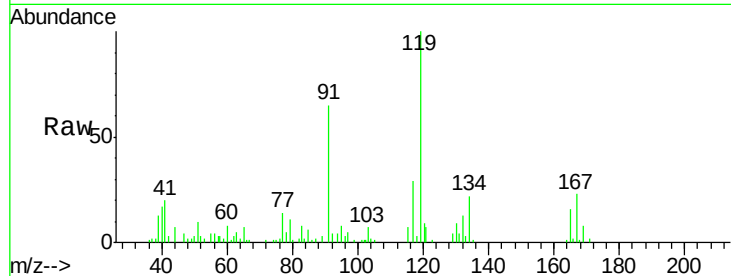
#77
 tert-Butylbenzene
 Concen: 0.373 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	31.4	94.2
134	22.9	17.4	26.2

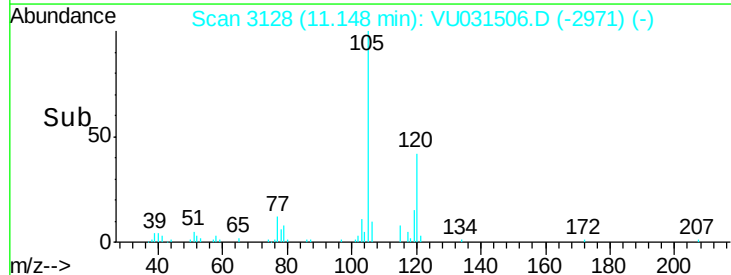
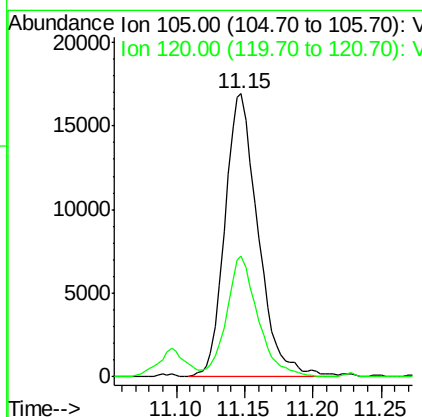
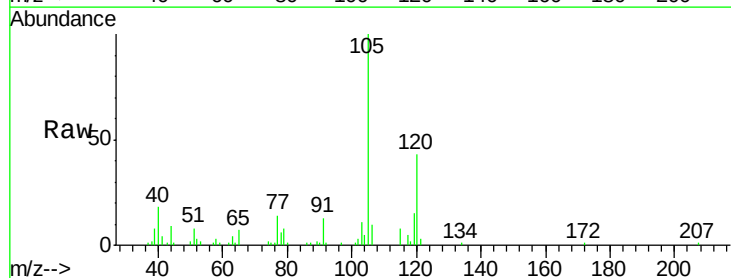
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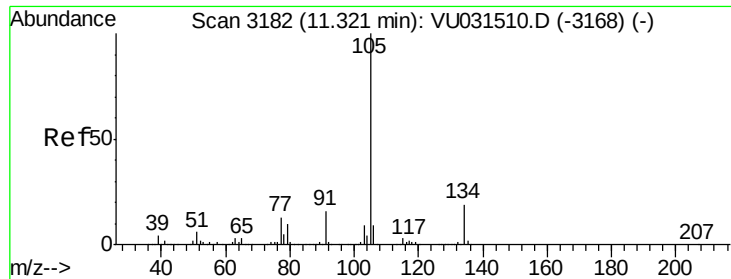
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#78
 1,2,4-Trimethylbenzene
 Concen: 0.527 ug/l
 RT: 11.15 min Scan# 3128
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.2	21.6	65.0





#79

sec-Butylbenzene

Concen: 0.471 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 34985

Ion Ratio Lower Upper

105 100

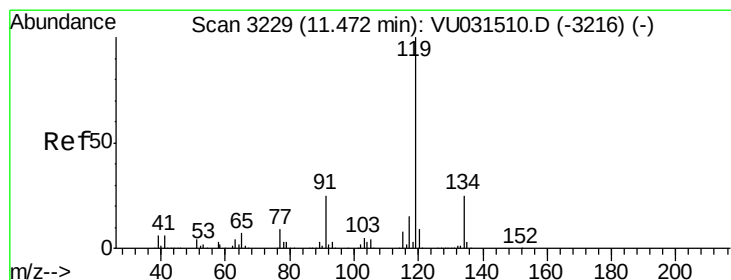
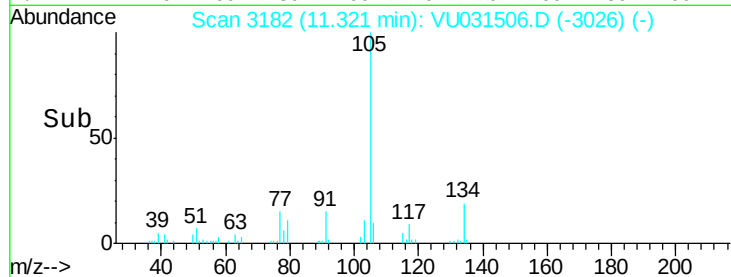
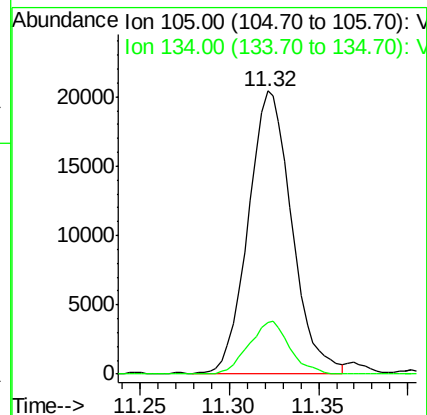
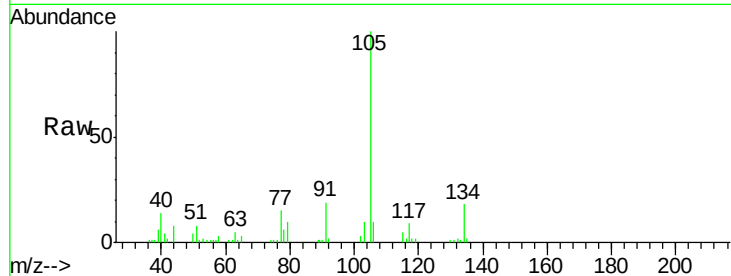
134 17.4 15.0 22.6

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#81

p-Isopropyltoluene

Concen: 0.558 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

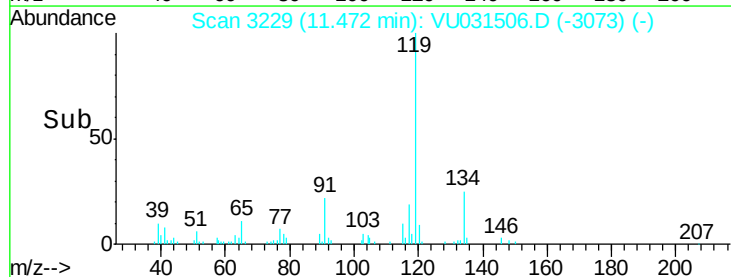
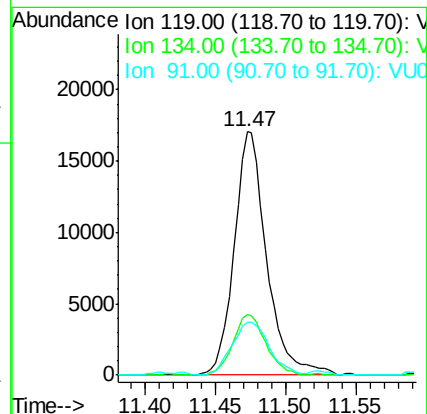
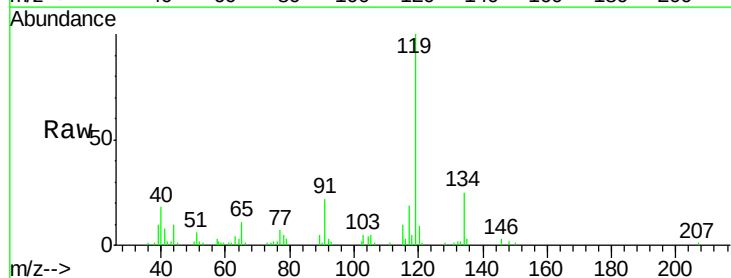
Tgt Ion:119 Resp: 27455

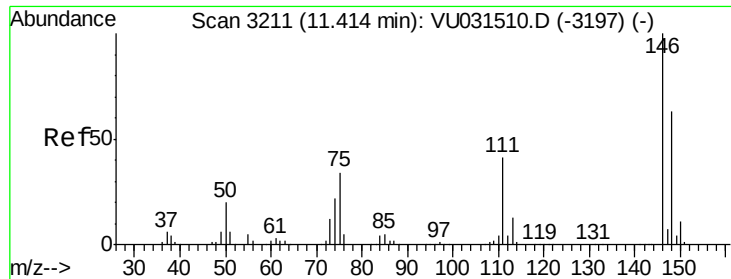
Ion Ratio Lower Upper

119 100

134 24.9 20.3 30.5

91 25.1 20.3 30.5





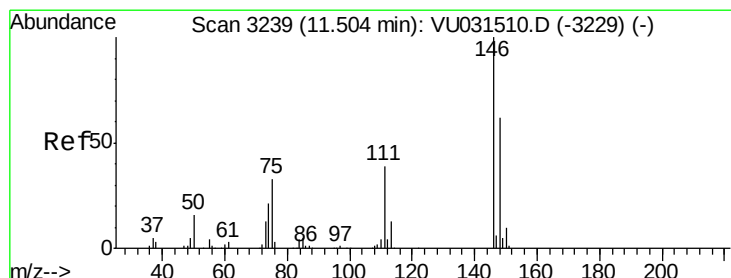
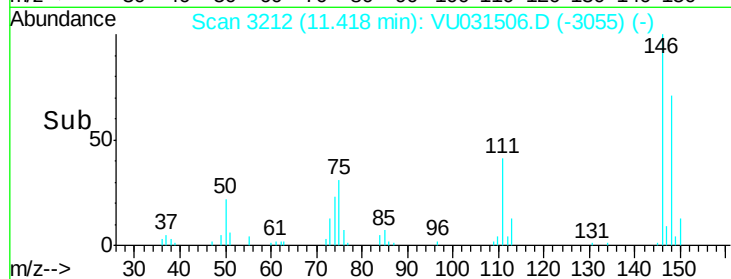
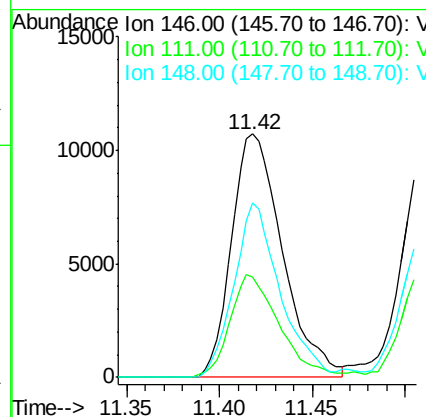
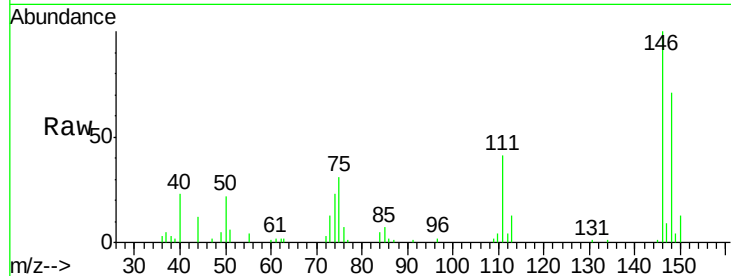
#82
 1,3-Dichlorobenzene
 Concen: 0.426 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	33.4	50.0
148	64.8	50.2	75.4

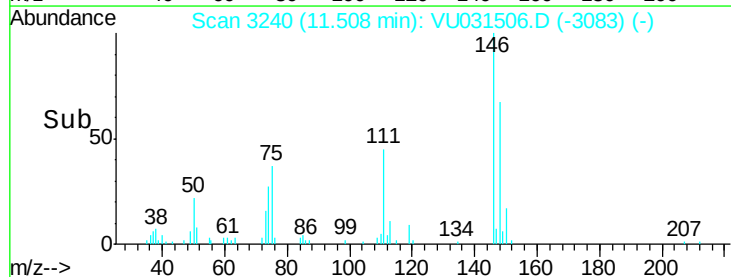
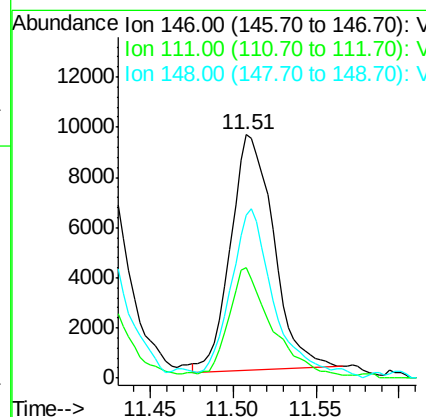
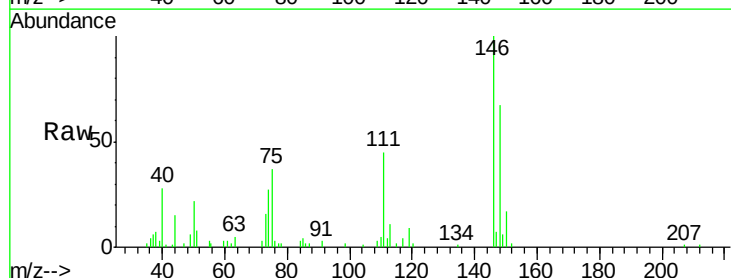
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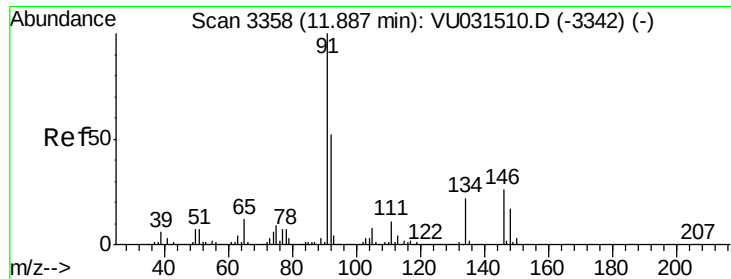
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#83
 1,4-Dichlorobenzene
 Concen: 0.367 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	32.2	48.4
148	73.3	51.2	76.8





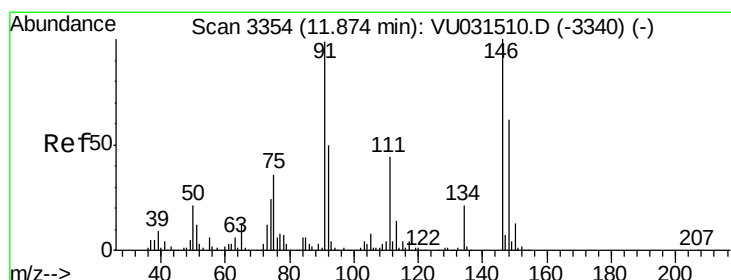
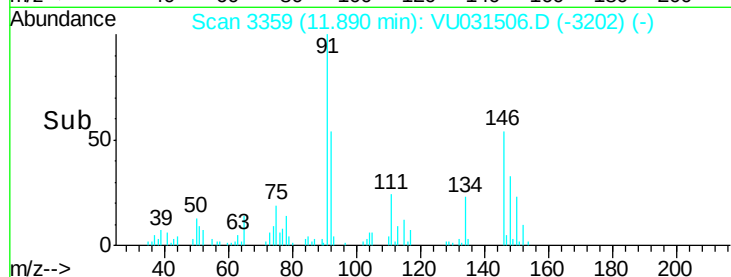
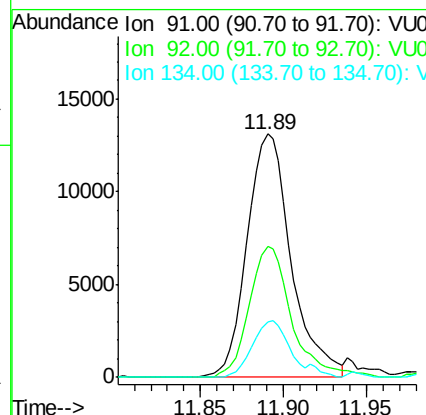
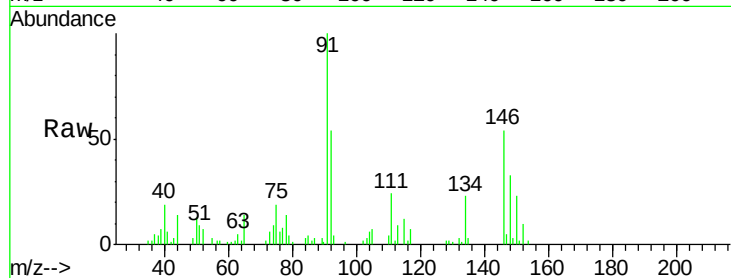
#84
n-Butylbenzene
Concen: 0.605 ug/l
RT: 11.89 min Scan# 3359
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
91	100	24299		
92	51.8		41.2	61.8
134	20.5		18.1	27.1

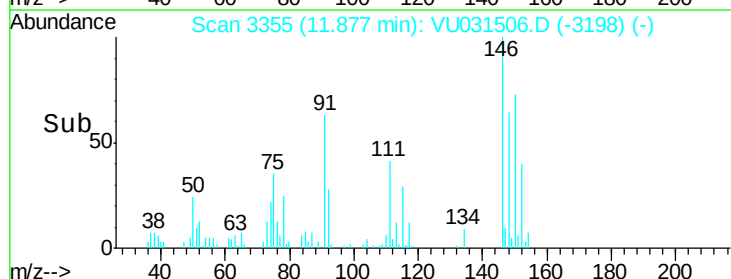
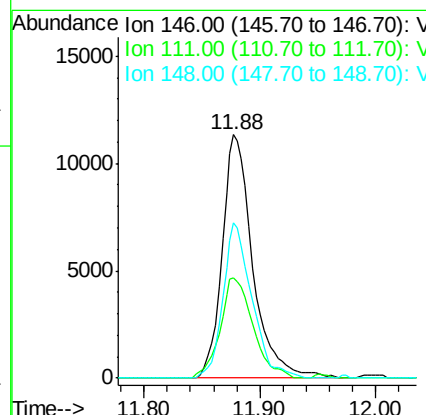
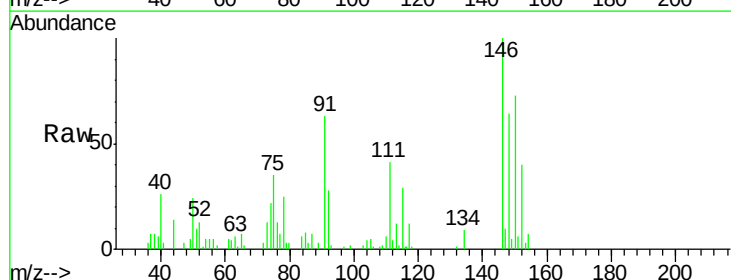
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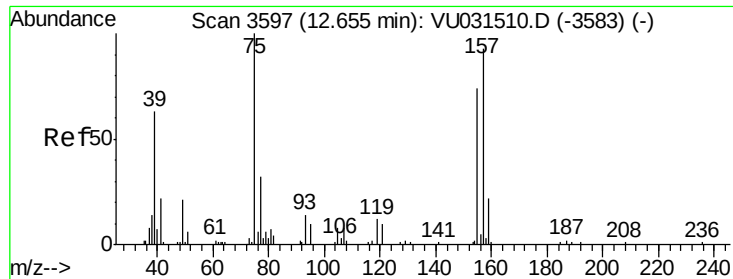
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#85
1,2-Dichlorobenzene
Concen: 0.463 ug/l
RT: 11.88 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	20917		
111	44.2		21.7	65.1
148	59.9		31.6	94.7





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.510 ug/l

RT: 12.66 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 1836

Ion Ratio Lower Upper

75 100

155 37.5 58.5 87.7#

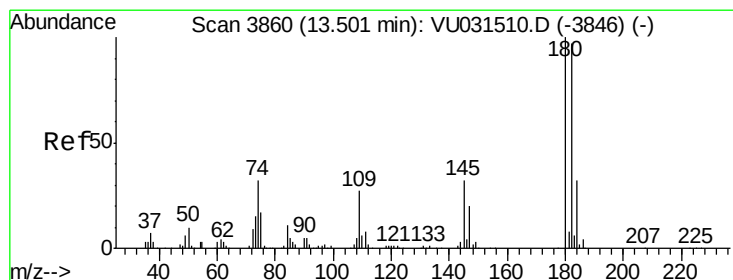
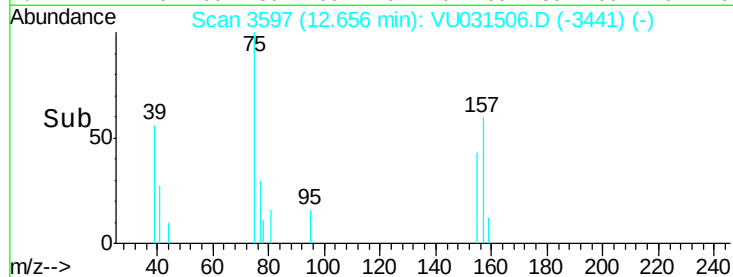
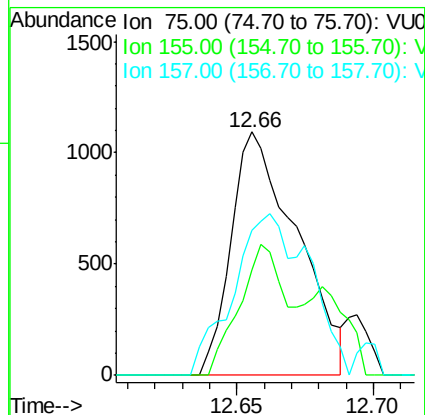
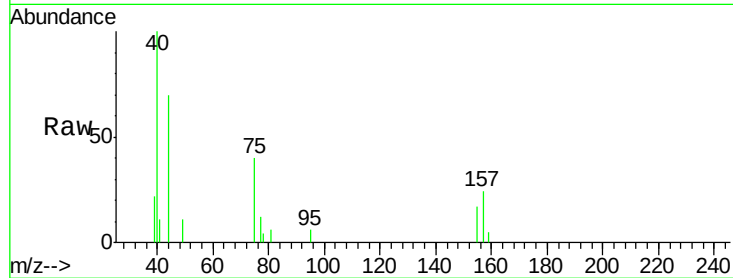
157 76.5 75.0 112.4

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#87

1,2,4-Trichlorobenzene

Concen: 0.319 ug/l

RT: 13.51 min Scan# 3862

Delta R.T. 0.01 min

Lab File: VU031506.D

Acq: 25 Apr 2019 17:35

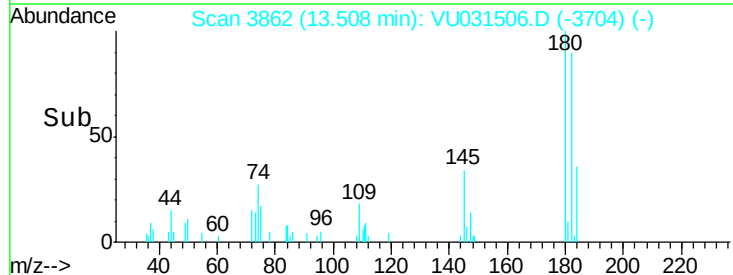
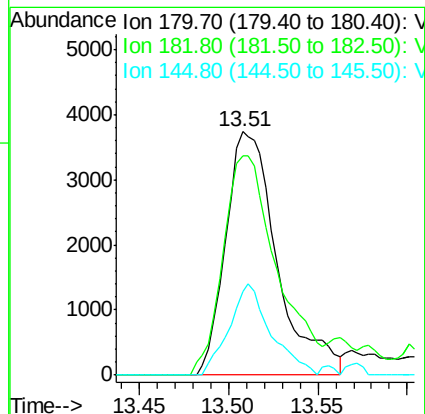
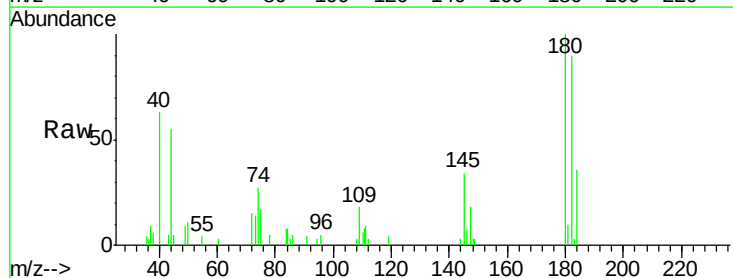
Tgt Ion: 180 Resp: 7503

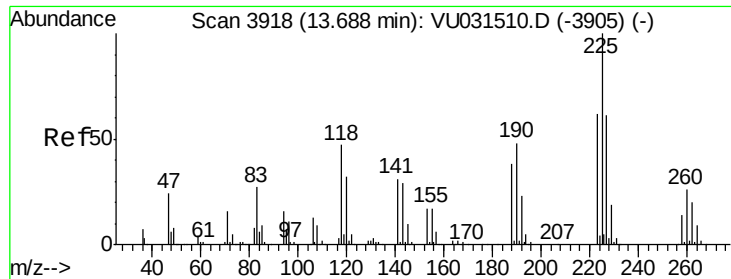
Ion Ratio Lower Upper

180 100

182 94.7 75.5 113.3

145 30.2 23.9 35.9





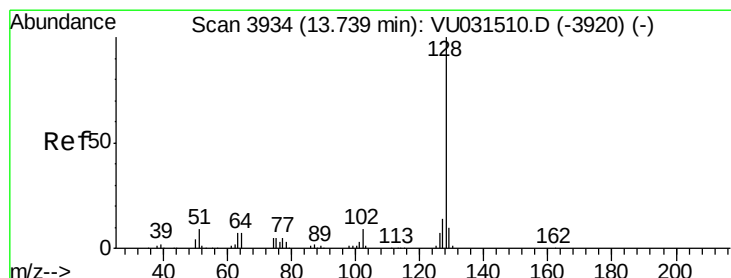
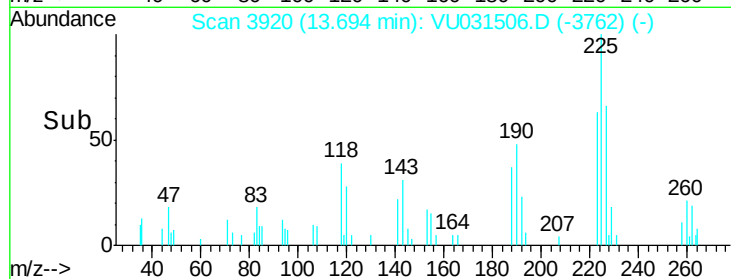
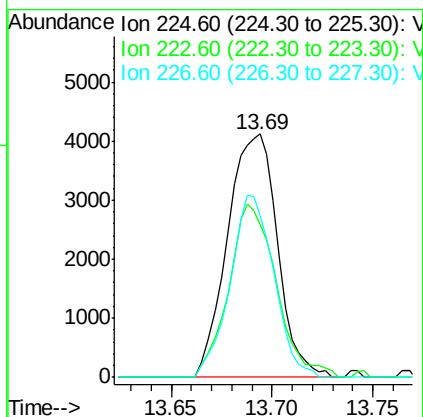
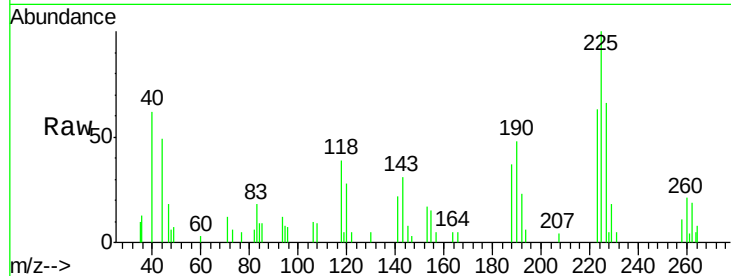
#88
Hexachlorobutadiene
Concen: 0.421 ug/l
RT: 13.69 min Scan# 3920
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
225	100		
223	67.9	50.2	75.4
227	65.6	50.4	75.6

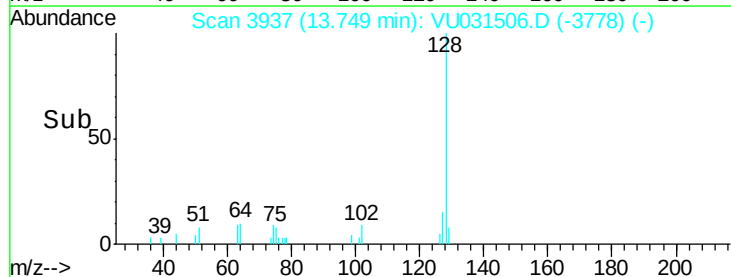
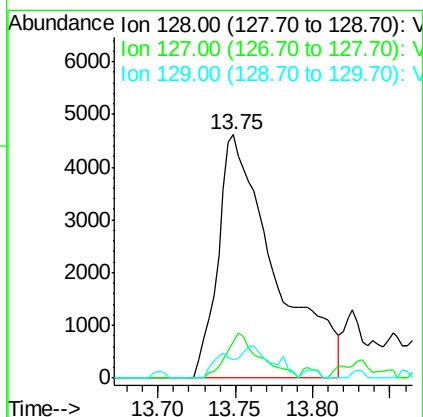
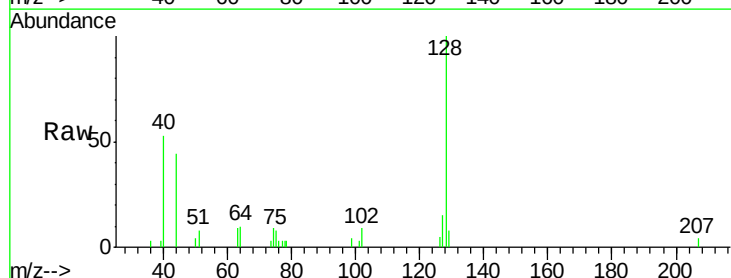
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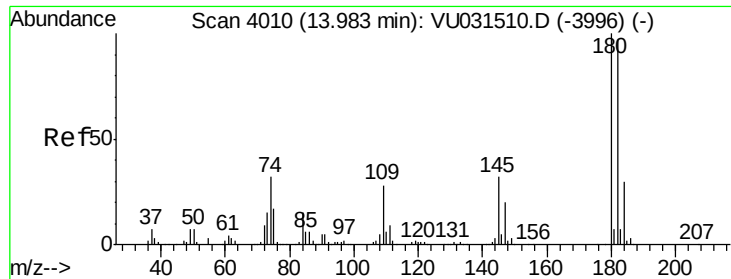
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#89
Naphthalene
Concen: 0.830 ug/l
RT: 13.75 min Scan# 3937
Delta R.T. 0.01 min
Lab File: VU031506.D
Acq: 25 Apr 2019 17:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.8	16.2
129	3.5	8.2	12.2#





#90
 1,2,3-Trichlorobenzene
 Concen: 0.587 ug/l
 RT: 13.99 min Scan# 4013
 Delta R.T. 0.01 min
 Lab File: VU031506.D
 Acq: 25 Apr 2019 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	77.1	115.7
145	28.0	25.9	38.9

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