

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040219\
 Data File : VU030612.D
 Acq On : 02 Apr 2019 20:19
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:44:02 AM

Quant Time: Apr 03 02:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	39234	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13918	0.96	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13445	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	226058	15.288	ug/l	100
3) Chloromethane	1.32	50	261227	15.583	ug/l	100
4) Vinyl Chloride	1.40	62	266436	18.001	ug/l	98
5) Bromomethane	1.62	94	114564	14.050	ug/l	99
6) Chloroethane	1.69	64	145743	17.175	ug/l	99
7) Trichlorofluoromethane	1.88	101	306841	16.245	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	151726	15.006	ug/l	98
9) 1,1-Dichloroethene	2.28	96	148122	14.850	ug/l	98
10) Iodomethane	2.41	142	217190	23.289	ug/l	99
11) Allyl Chloride	2.59	41	336576	21.698	ug/l	99
12) Acrylonitrile	2.93	53	100522	42.751	ug/l	98
13) Acetone	2.32	43	222098	107.076	ug/l	99
14) Carbon Disulfide	2.47	76	541440	15.486	ug/l	100
15) Methylene Chloride	2.69	84	183866	15.342	ug/l	97
16) trans-1,2-Dichloroethene	2.97	96	166412	14.525	ug/l	98
17) 1,1-Dichloroethane	3.44	63	350660	17.431	ug/l	99
18) 2-Butanone	4.27	43	345388	119.476	ug/l	99
19) Cyclohexane	4.99	56	317448m	18.415	ug/l	
20) Methylcyclohexane	6.41	83	272313	15.052	ug/l	99
21) 2,2-Dichloropropane	4.22	77	276087	16.480	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	189930	14.901	ug/l	98
23) Diethyl Ether	2.10	59	154594	19.606	ug/l	99
24) tert-Butyl Alcohol	2.83	59	189902	217.580	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	486998	18.599	ug/l	99
26) Bromochloromethane	4.54	128	79320	14.284	ug/l	98
27) Chloroform	4.67	83	328674	15.780	ug/l	96
28) 1,1,1-Trichloroethane	4.91	97	276599	16.245	ug/l	100
29) 1,1-Dichloropropene	5.13	75	252115	16.293	ug/l	99
30) Carbon Tetrachloride	5.13	117	240917	15.885	ug/l	99
31) Isopropyl Ether	3.57	45	605225	20.549	ug/l	99
32) Ethyl-t-butyl ether	4.07	59	506557	18.575	ug/l	98
33) Tert-Amyl methyl ether	5.58	73	429616	17.549	ug/l	99
34) Propionitrile	4.32	54	88698	112.302	ug/l	98
35) Benzene	5.38	78	734312	16.231	ug/l	100
36) 1,2-Dichloroethane	5.40	62	228370	18.183	ug/l	99
37) Trichloroethene	6.18	130	174683	13.810	ug/l	100
38) 1,2-Dichloropropane	6.43	63	206962	17.577	ug/l	97
39) Methacrylonitrile	4.54	41	81661	23.119	ug/l	98
40) Methyl acrylate	4.42	55	118692	22.150	ug/l	98
41) Tetrahydrofuran	4.65	42	86171	44.225	ug/l	96
42) 1-Chlorobutane	5.06	56	384014	18.346	ug/l	97

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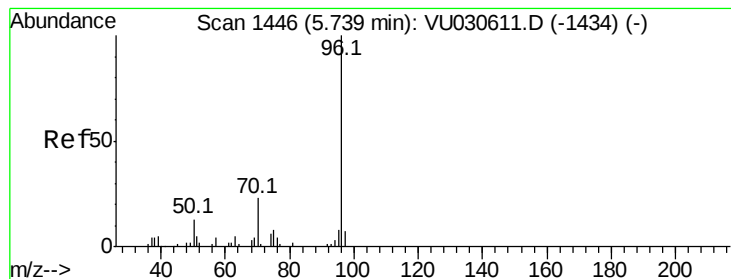
Manual Integrations
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 4/3/2019 11:44:02 AM

Quant Time: Apr 03 02:16:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	99590	16.592	ug/l	98
44) Bromodichloromethane	6.75	83	251504	17.412	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	780656	120.106	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	105478m	44.506	ug/l	
47) Methyl methacrylate	6.62	69	208418	40.387	ug/l	98
48) Ethyl methacrylate	8.02	69	197520	20.650	ug/l	99
49) Toluene	7.63	92	422992	15.731	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	239350	18.561	ug/l	100
51) cis-1,3-Dichloropropene	7.26	75	279625	17.411	ug/l	98
52) 1,1,2-Trichloroethane	8.06	97	134114	15.904	ug/l	92
53) 1,3-Dichloropropane	8.24	76	250913	17.520	ug/l	100
54) 2-Hexanone	8.36	43	546882	118.580	ug/l	98
55) Dibromochloromethane	8.47	129	160374	15.996	ug/l	98
56) 1,2-Dibromoethane	8.58	107	129406	16.089	ug/l	100
58) Tetrachloroethene	8.22	164	154259	13.529	ug/l	99
59) Chlorobenzene	9.12	112	441143	14.548	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	160803	14.872	ug/l	98
61) Pentachloroethane	11.10	117	123839	14.846	ug/l	98
62) Hexachloroethane	12.14	117	120731	14.606	ug/l	99
63) Ethyl Benzene	9.24	91	800145	15.868	ug/l	99
64) m/p-Xylenes	9.37	106	597395	30.636	ug/l	96
65) o-Xylene	9.77	106	279608	14.624	ug/l	96
66) Styrene	9.79	104	506191	16.042	ug/l	99
67) Bromoform	9.95	173	92091	16.193	ug/l	100
69) Isopropylbenzene	10.16	105	762245	15.203	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	184327	17.482	ug/l	97
71) 1,2,3-Trichloropropane	10.49	75	137734m	17.343	ug/l	
72) Bromobenzene	10.45	156	175266	13.528	ug/l	98
73) n-propylbenzene	10.58	120	203326	14.442	ug/l	97
74) 2-Chlorotoluene	10.66	126	175250	14.187	ug/l	98
75) 1,3,5-Trimethylbenzene	10.77	105	649324	15.228	ug/l	100
76) 4-Chlorotoluene	10.77	126	184005	14.620	ug/l	97
77) tert-Butylbenzene	11.10	119	611913	14.737	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	667852	15.394	ug/l	99
79) sec-Butylbenzene	11.32	105	840445	15.065	ug/l	100
80) Nitrobenzene	12.86	77	31198	140.948	ug/l	99
81) p-Isopropyltoluene	11.47	119	675595	14.569	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	341485	13.111	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	339470	12.955	ug/l	98
84) n-Butylbenzene	11.89	91	701983	15.961	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	323187	13.307	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	30579	19.893	ug/l	96
87) 1,2,4-Trichlorobenzene	13.50	180	215262	12.555	ug/l	99
88) Hexachlorobutadiene	13.69	225	113655	12.119	ug/l	98
89) Naphthalene	13.74	128	416065	15.361	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	205491	13.082	ug/l	98

(#) = 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: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

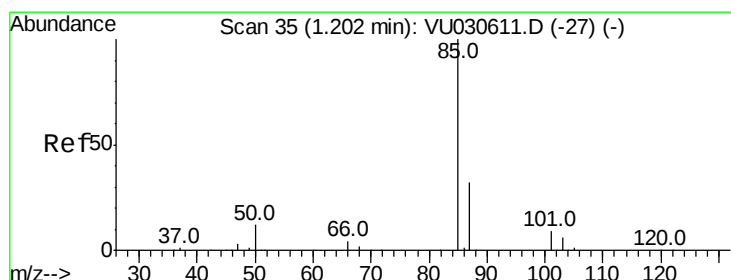
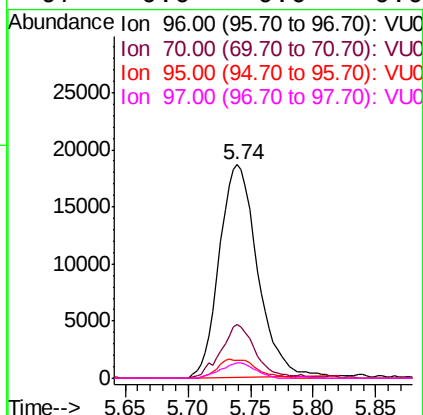
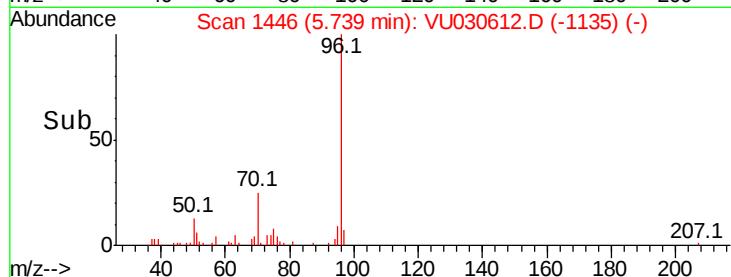
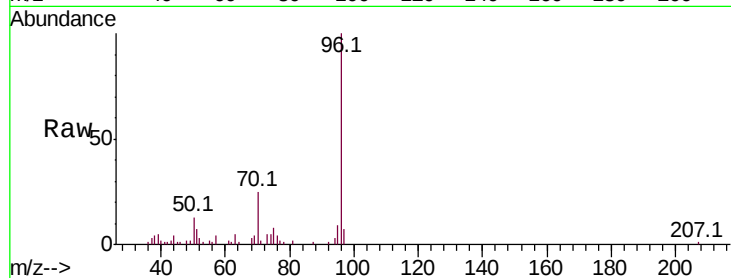
ClientSampleId :

VSTDIC015

Tot Ion:	96	Resp:	39234
Ion	Ratio	Lower	Upper
96	100		
70	21.7	18.5	27.7
95	0.0	0.0	0.0
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 15.288 ug/l

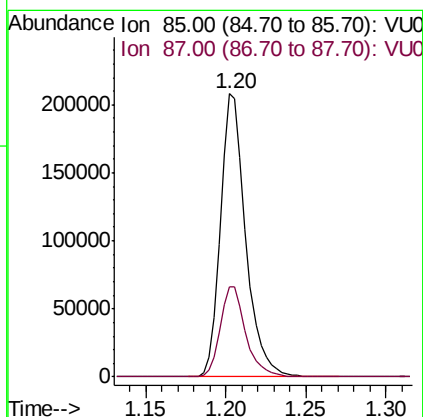
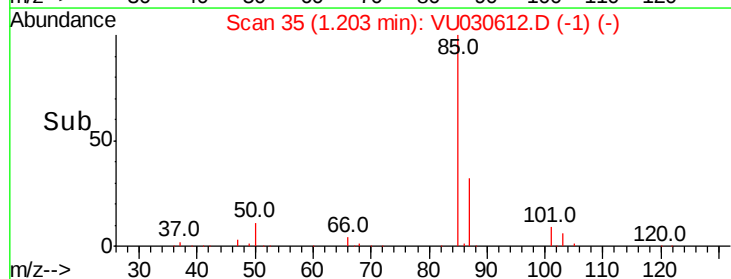
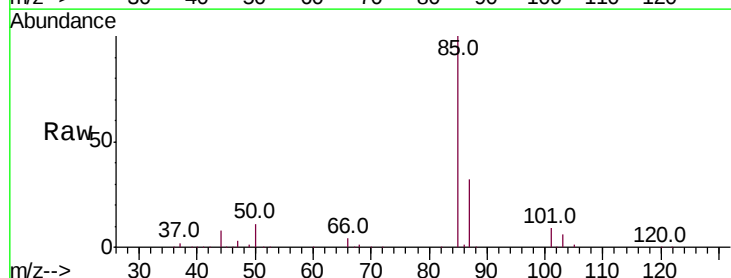
RT: 1.20 min Scan# 35

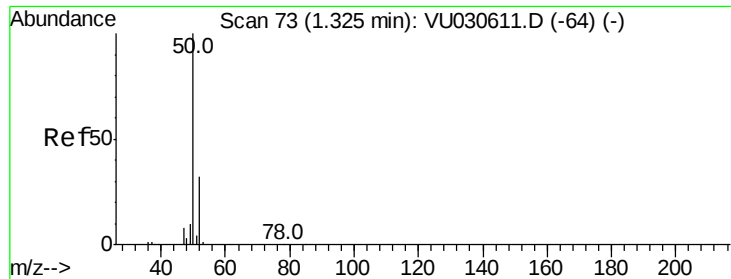
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion:	85	Resp:	226058
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.3





#3

Chloromethane

Concen: 15.583 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 261227

Ion Ratio Lower Upper

50 100

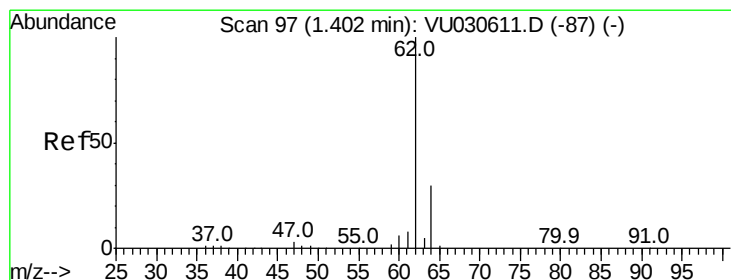
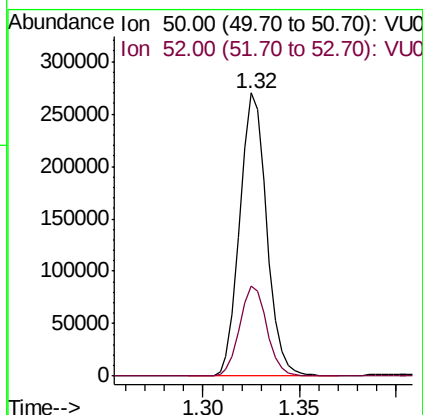
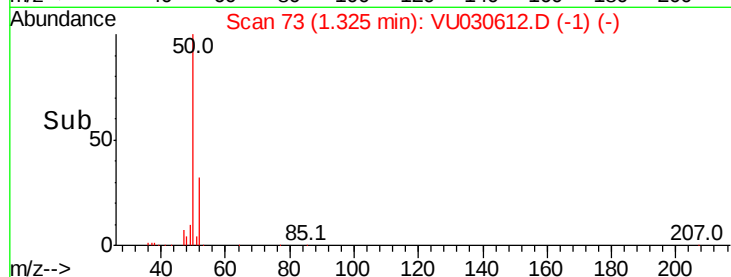
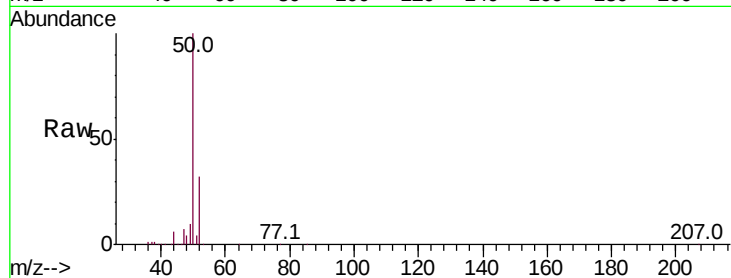
52 32.0 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.001 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030612.D

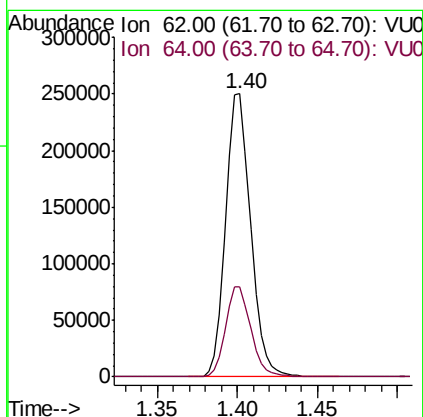
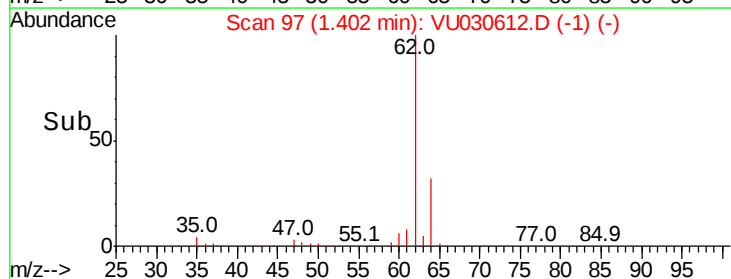
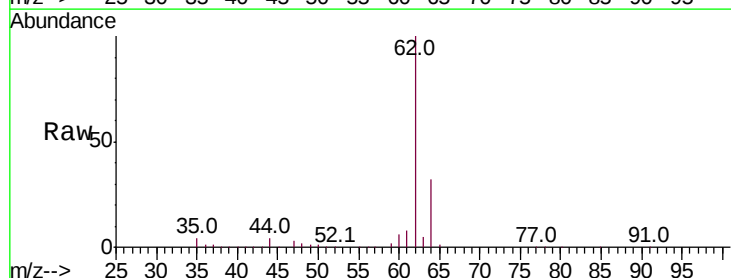
Acq: 02 Apr 2019 20:19

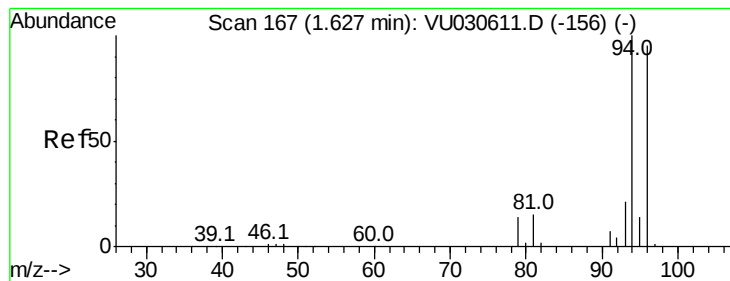
Tgt Ion: 62 Resp: 266436

Ion Ratio Lower Upper

62 100

64 31.7 24.3 36.5





#5

Bromomethane

Concen: 14.050 ug/l

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 94 Resp: 114564

Ion Ratio Lower Upper

94 100

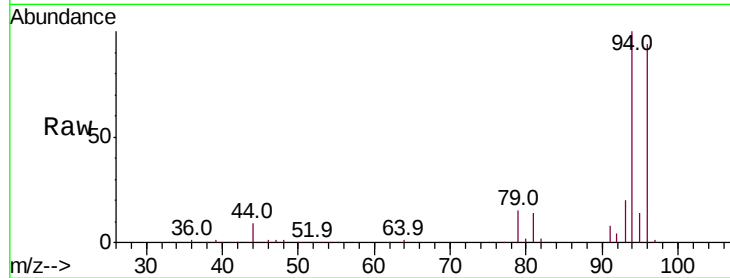
96 93.5 75.9 113.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

80000

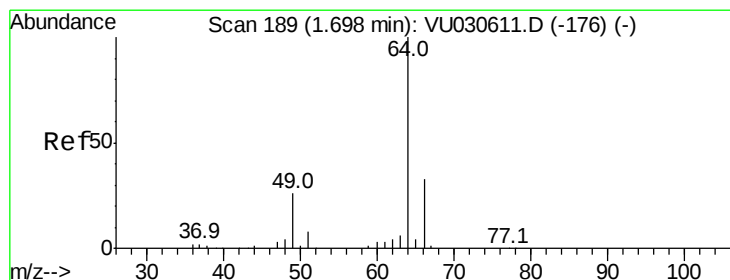
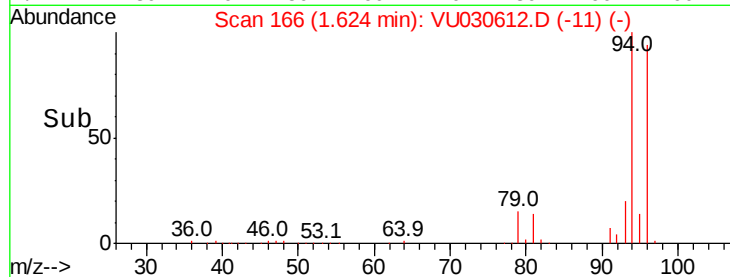
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 17.175 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030612.D

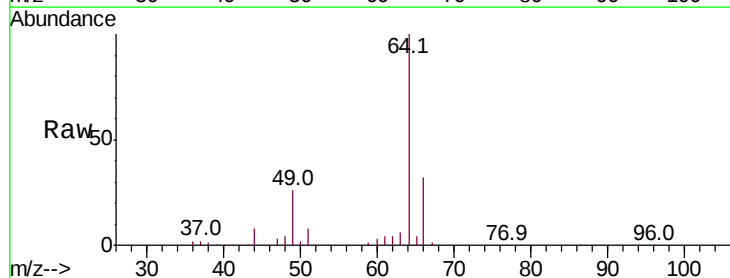
Acq: 02 Apr 2019 20:19

Tgt Ion: 64 Resp: 145743

Ion Ratio Lower Upper

64 100

66 32.0 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

120000

100000

80000

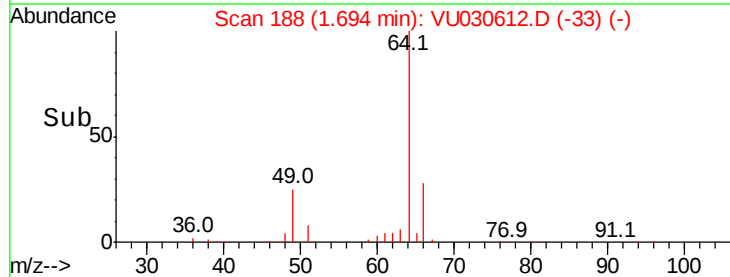
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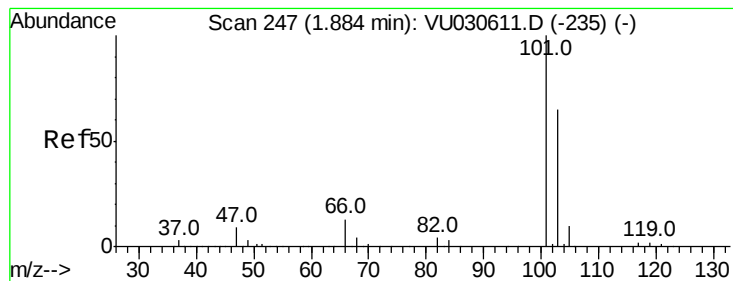
40000

20000

0

Time-->





#7

Trichlorofluoromethane

Concen: 16.245 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:101 Resp: 306841

Ion Ratio Lower Upper

101 100

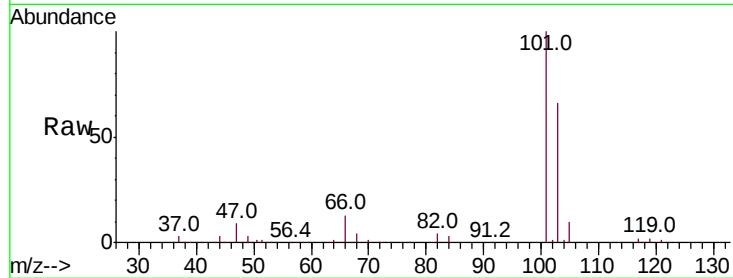
103 65.5 51.8 77.6

Manual Integrations

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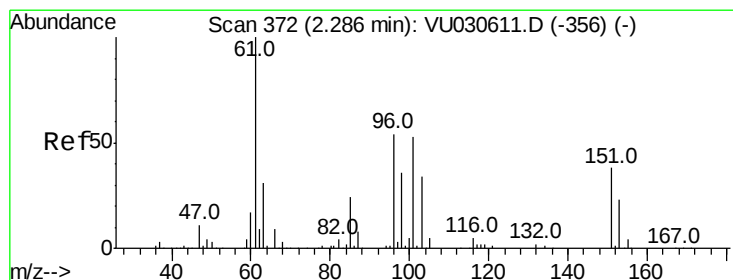
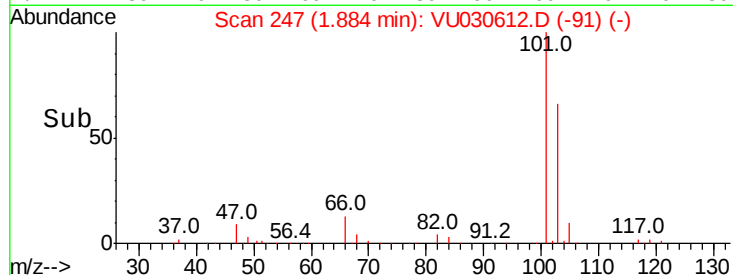
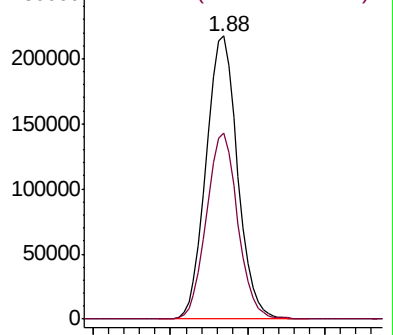
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 15.006 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

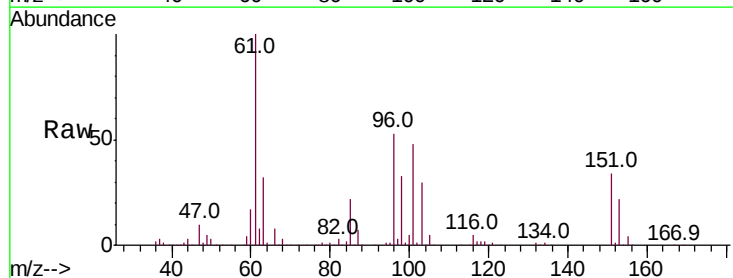
Tgt Ion:101 Resp: 151726

Ion Ratio Lower Upper

101 100

85 45.3 36.5 54.7

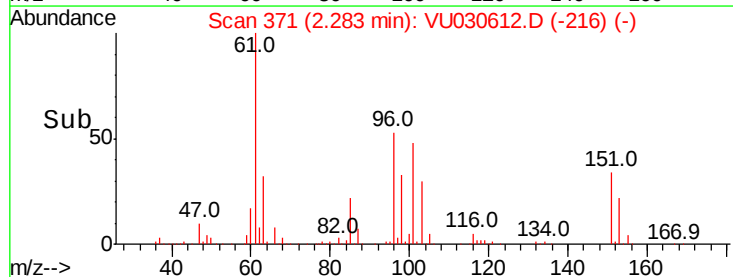
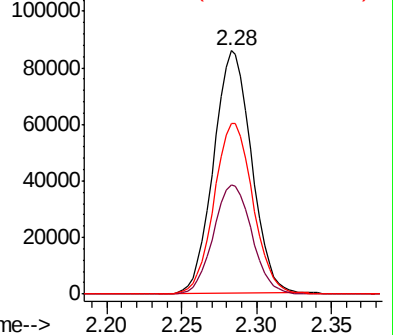
151 71.9 55.7 83.5

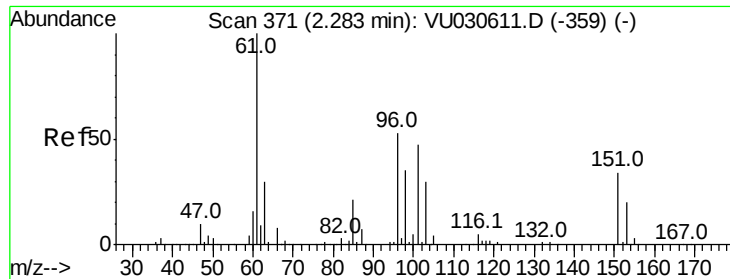


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU

Ion 151.00 (150.70 to 151.70): V





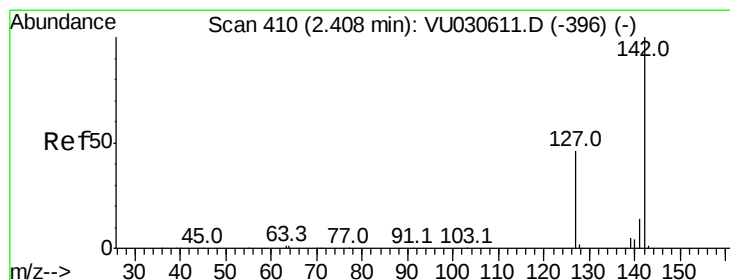
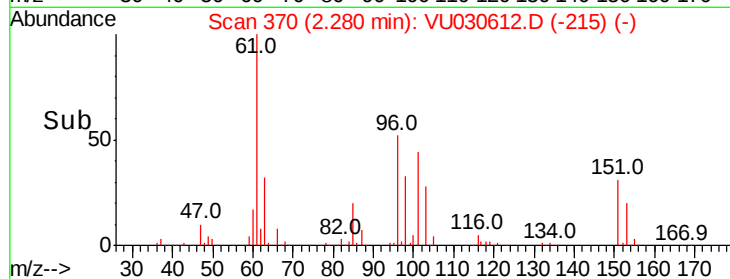
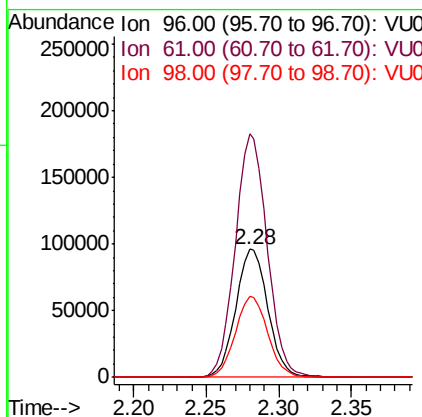
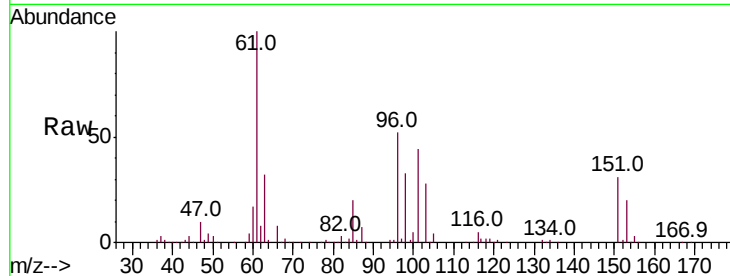
#9
1,1-Dichloroethene
Concen: 14.850 ug/l
RT: 2.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
96	100		
61	190.5	0.0	564.0
98	63.2	0.0	132.2

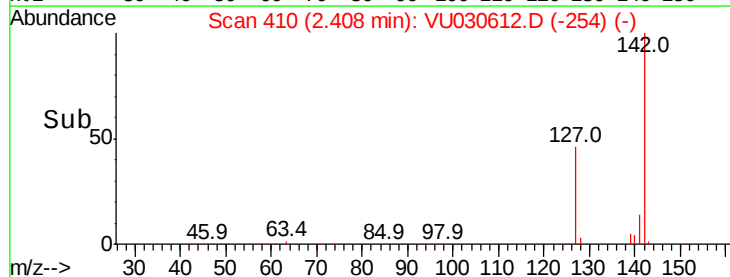
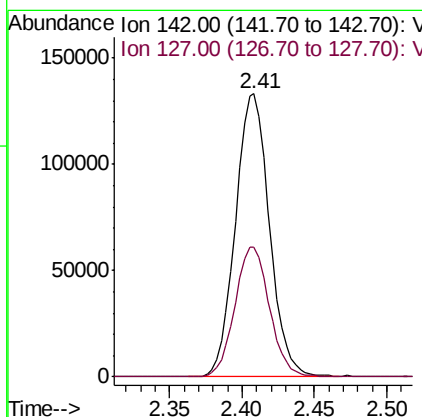
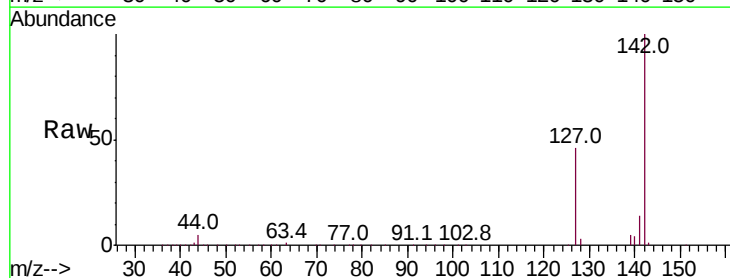
Manual Integrations
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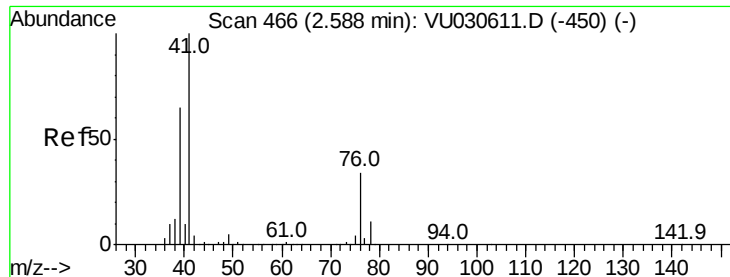
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#10
Iodomethane
Concen: 23.289 ug/l
RT: 2.41 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.6	36.9	55.3





#11

Allvl Chloride

Concen: 21.698 ug/l

RT: 2.59 min Scan# 466

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 41 Resp: 336576

Ion Ratio Lower Upper

41 100

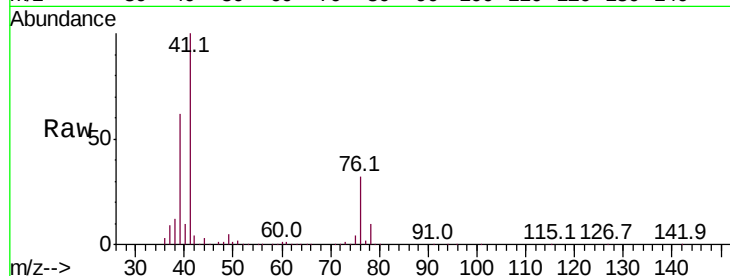
39 64.2 52.2 78.4

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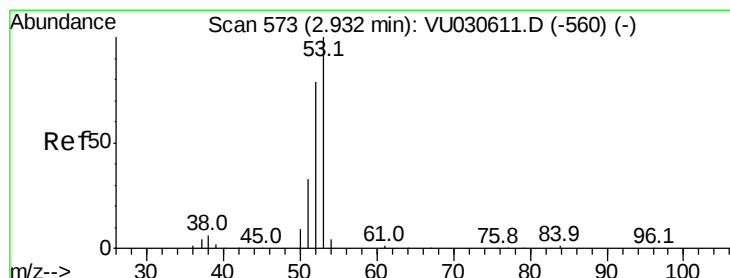
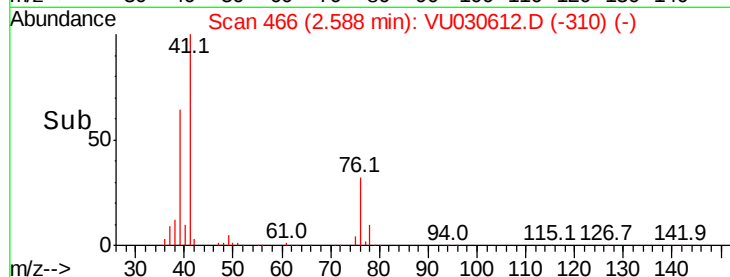
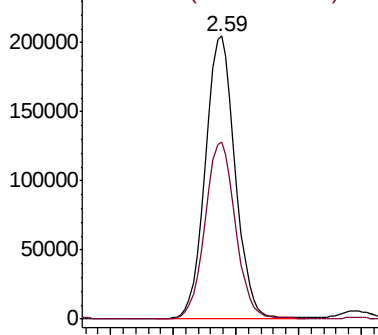
MMDadoda

4/3/2019 11:44:02 AM



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



#12

Acrylonitrile

Concen: 42.751 ug/l

RT: 2.93 min Scan# 573

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

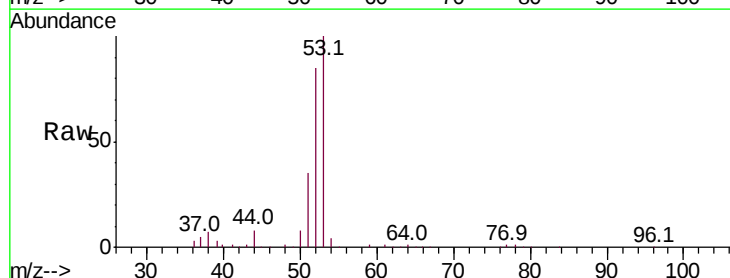
Tgt Ion: 53 Resp: 100522

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

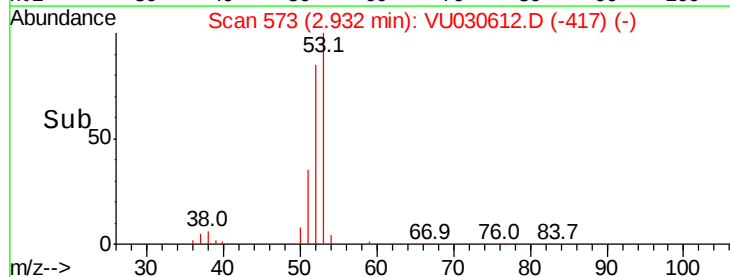
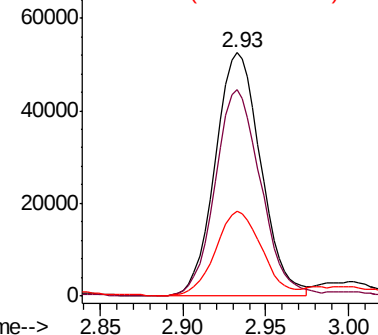
51 35.1 27.3 40.9

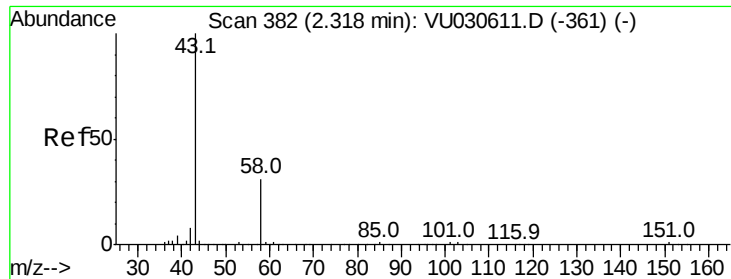


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





#13

Acetone

Concen: 107.076 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 43 Resp: 222098

Ion Ratio Lower Upper

43 100

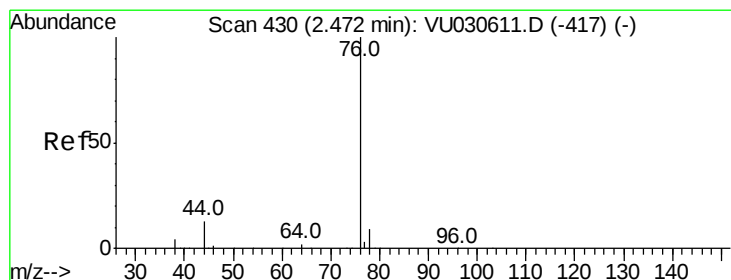
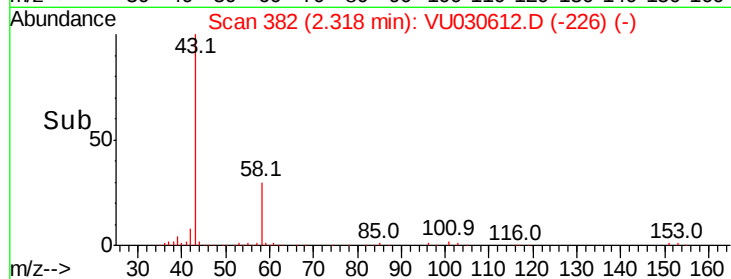
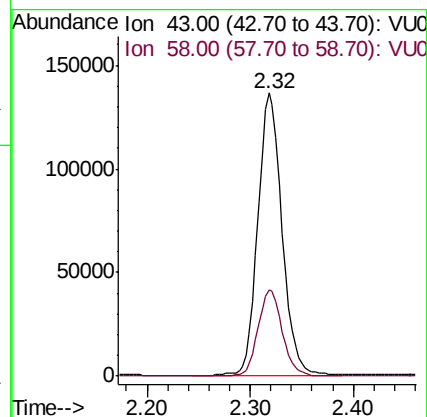
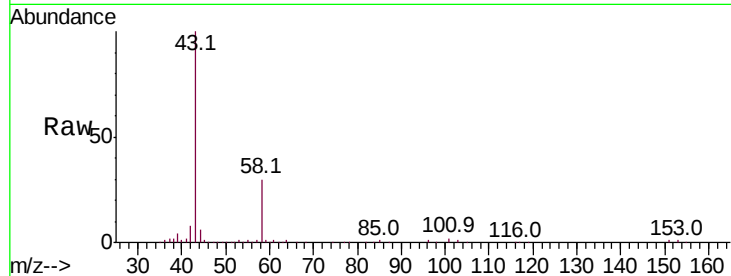
58 30.1 24.7 37.1

Manual Integrations

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#14

Carbon Disulfide

Concen: 15.486 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030612.D

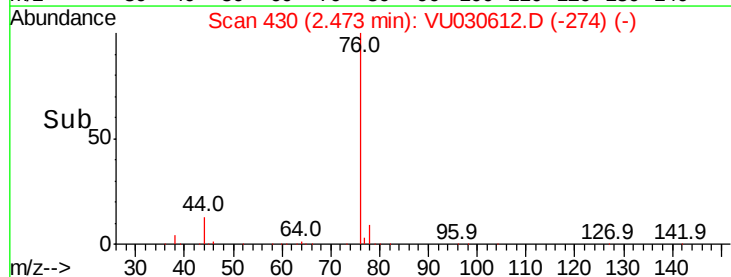
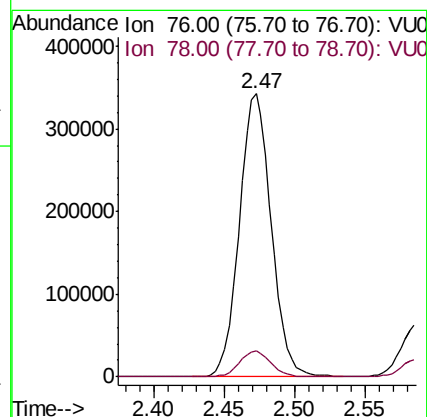
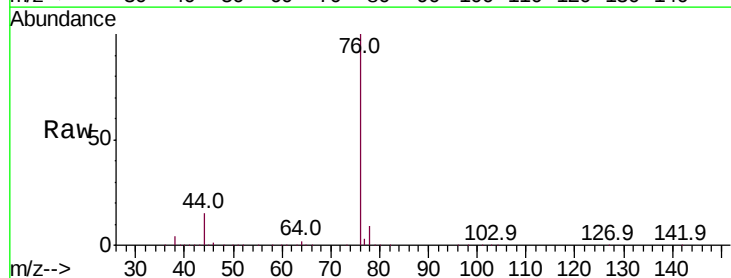
Acq: 02 Apr 2019 20:19

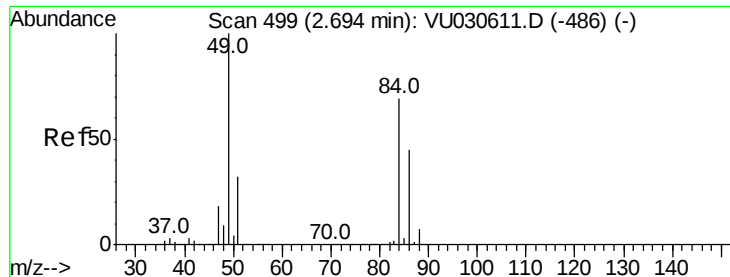
Tgt Ion: 76 Resp: 541440

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0





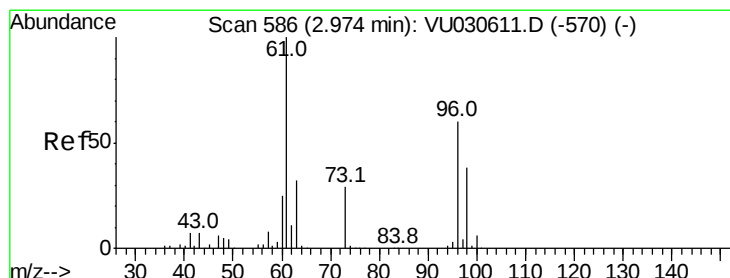
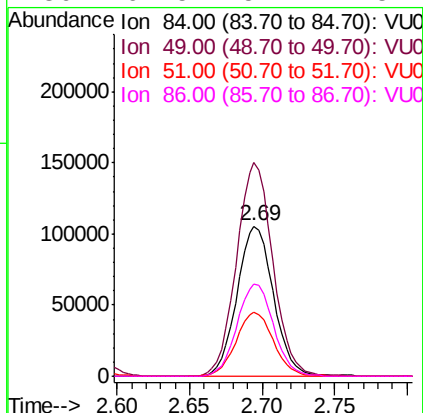
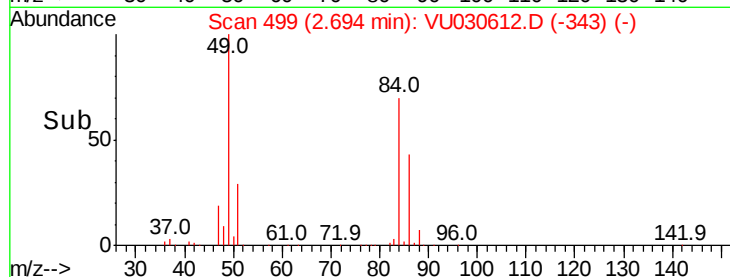
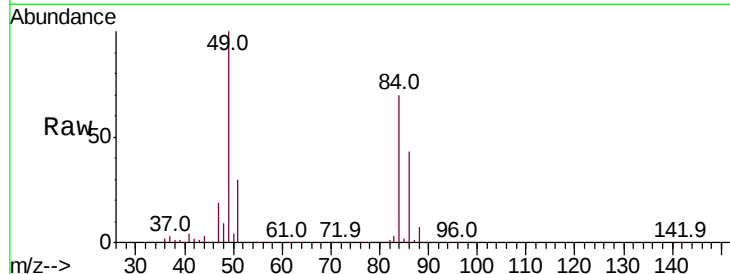
#15
Methvlene Chloride
Concen: 15.342 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	84	Resp:	183866
Ion	Ratio	Lower	Upper
84	100		
49	142.1	115.4	173.2
51	42.3	0.0	93.4
86	61.5	52.2	78.4

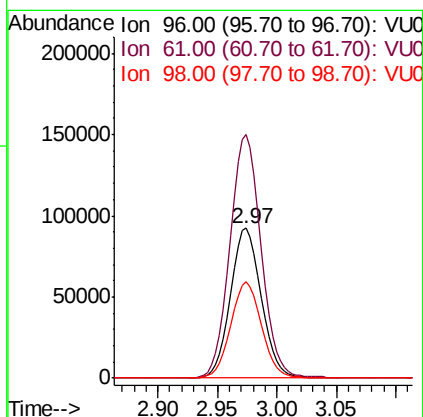
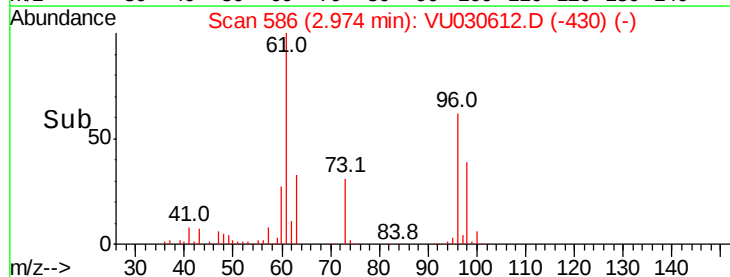
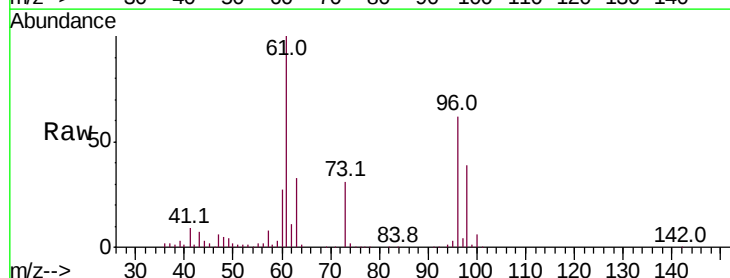
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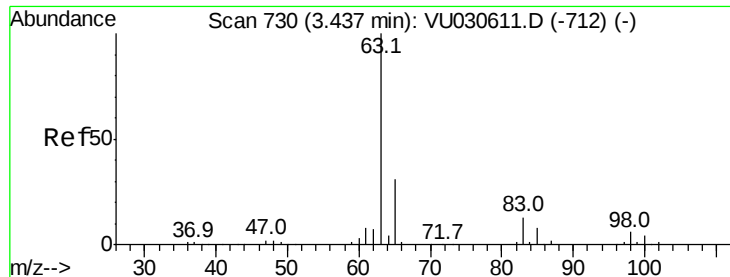
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 14.525 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:	96	Resp:	166412
Ion	Ratio	Lower	Upper
96	100		
61	162.1	132.2	198.4
98	63.9	50.2	75.4





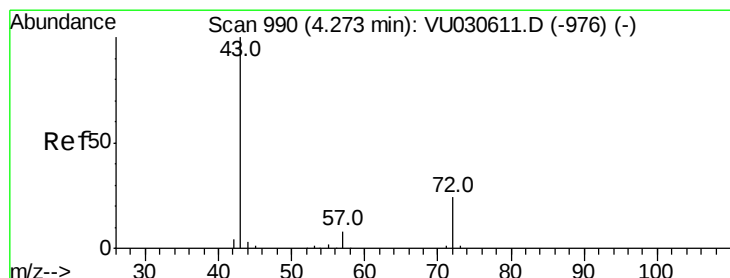
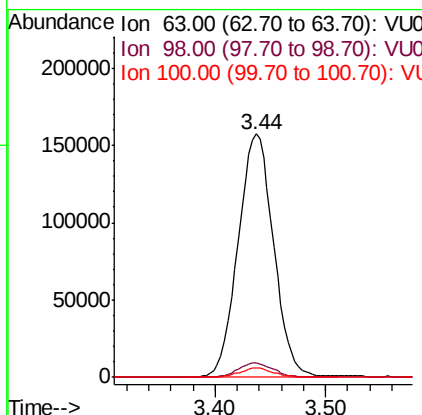
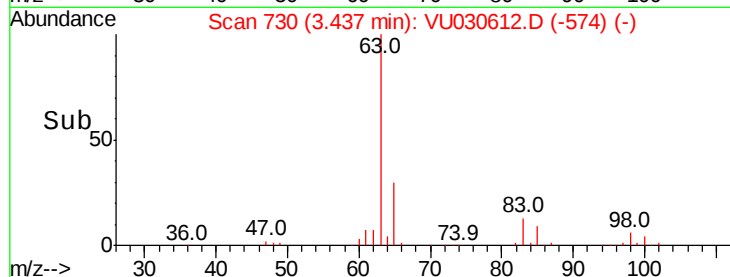
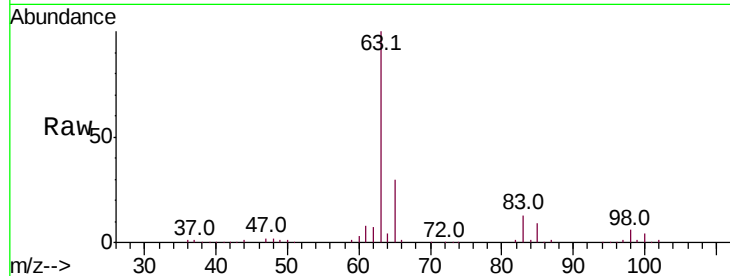
#17
 1,1-Dichloroethane
 Concen: 17.431 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	63	Resp:	350660
Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.0	9.0
100	4.0	2.0	5.8

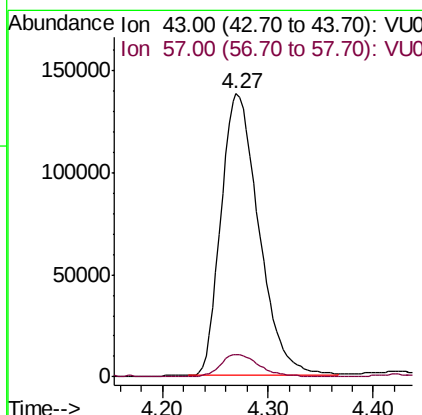
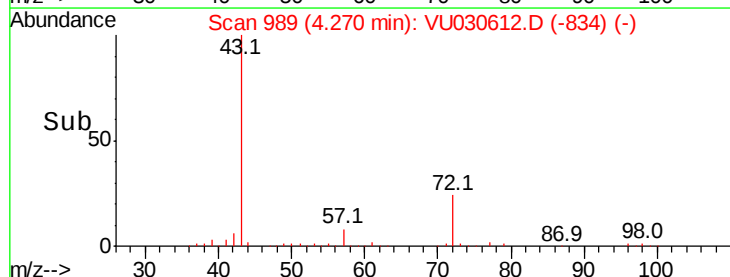
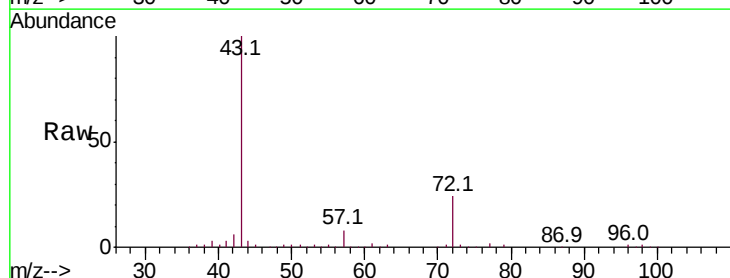
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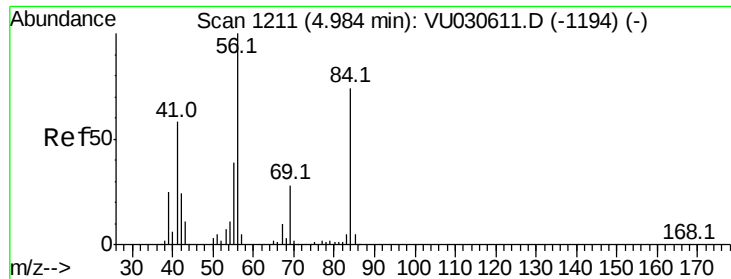
MMDadoda
 4/3/2019 11:44:02 AM



#18
 2-Butanone
 Concen: 119.476 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion:	43	Resp:	345388
Ion	Ratio	Lower	Upper
43	100		
57	7.9	0.0	16.4





#19

Cyclohexane

Concen: 18.415 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 56 Resp: 317448

Ion Ratio Lower Upper

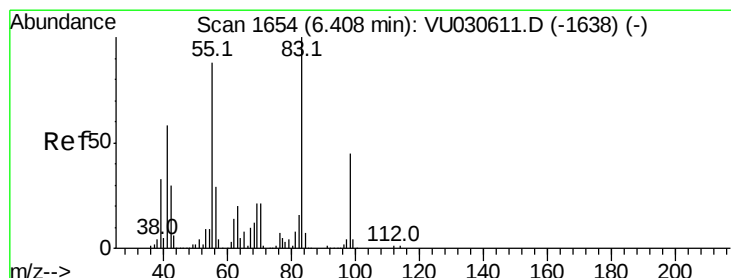
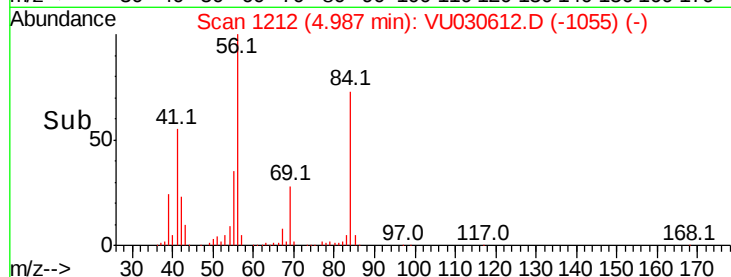
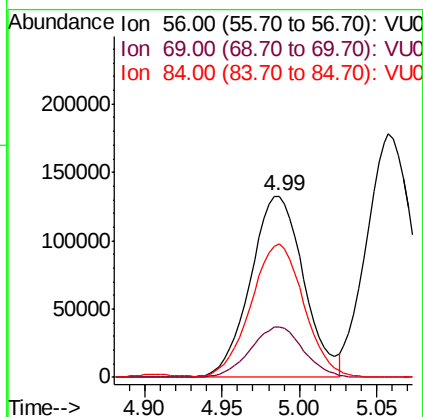
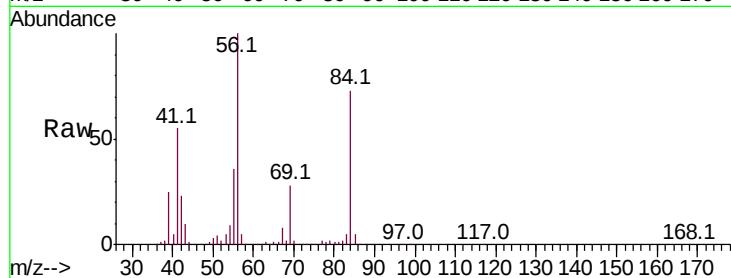
56 100

69 27.8 22.1 33.1

84 71.8 58.1 87.1

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#20

Methylcyclohexane

Concen: 15.052 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

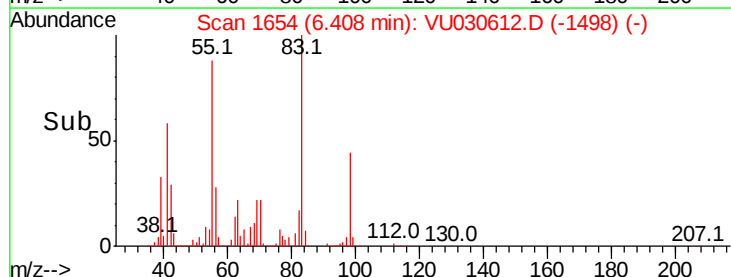
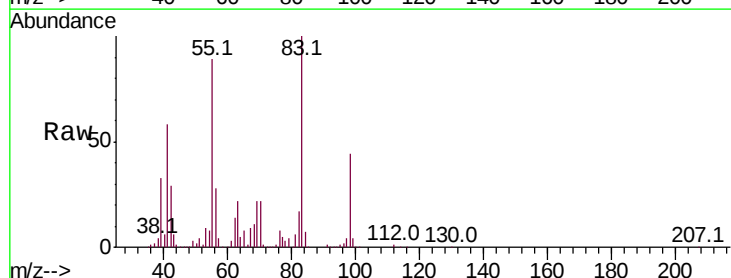
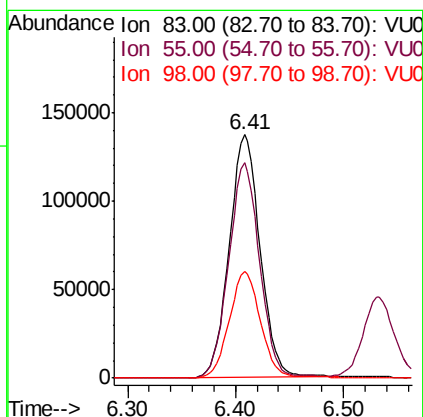
Tgt Ion: 83 Resp: 272313

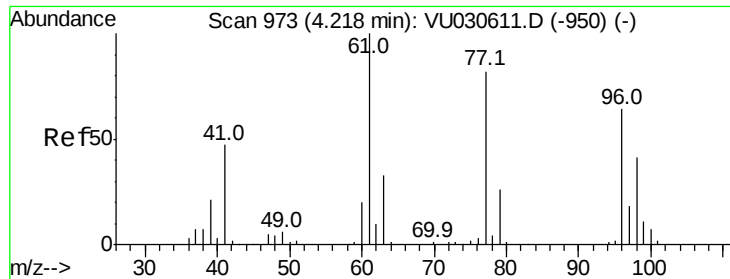
Ion Ratio Lower Upper

83 100

55 88.4 71.8 107.8

98 43.8 35.5 53.3





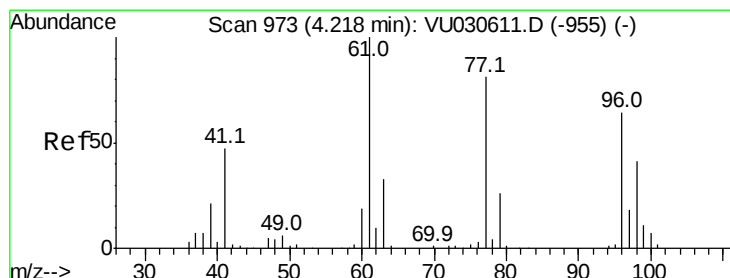
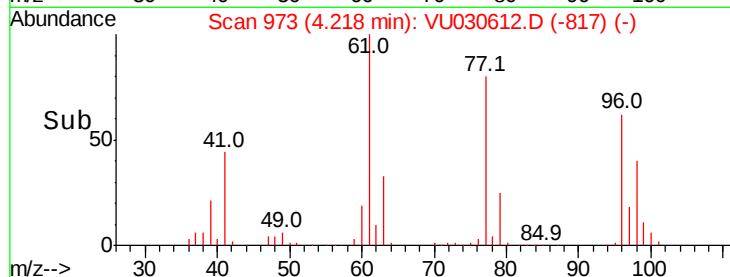
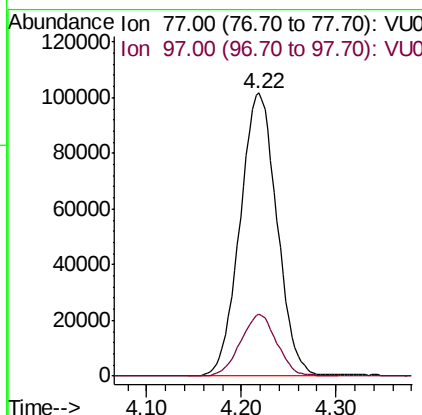
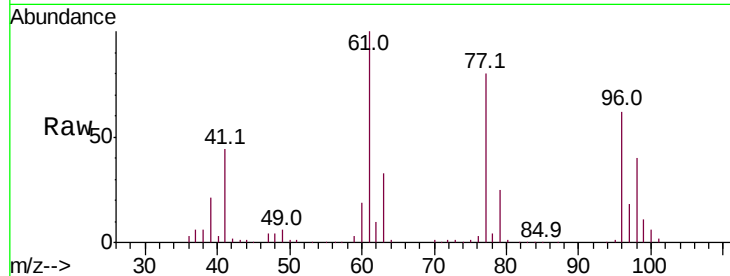
#21
 2,2-Dichloropropane
 Concen: 16.480 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion: 77 Resp: 276087
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.4 26.0

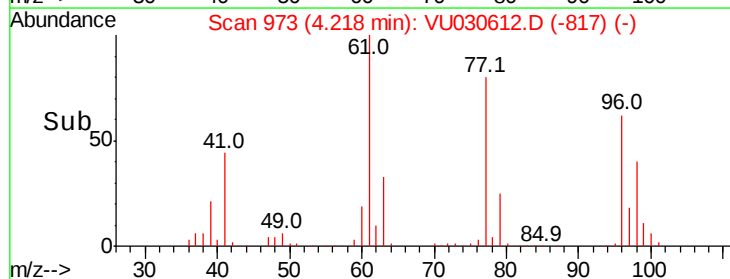
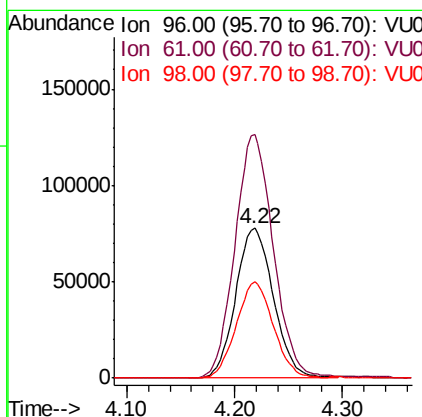
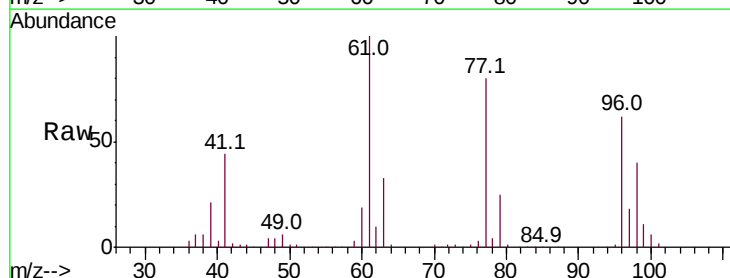
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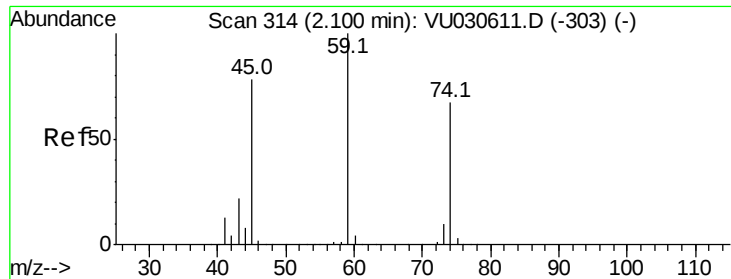
MMDadoda
 4/3/2019 11:44:02 AM



#22
 cis-1,2-Dichloroethene
 Concen: 14.901 ug/l
 RT: 4.22 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion: 96 Resp: 189930
 Ion Ratio Lower Upper
 96 100
 61 165.4 0.0 406.0
 98 63.2 31.7 95.1





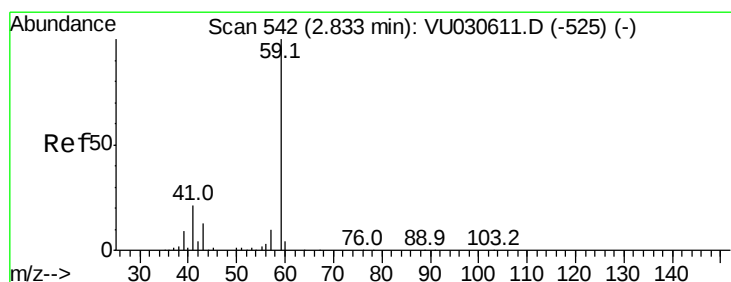
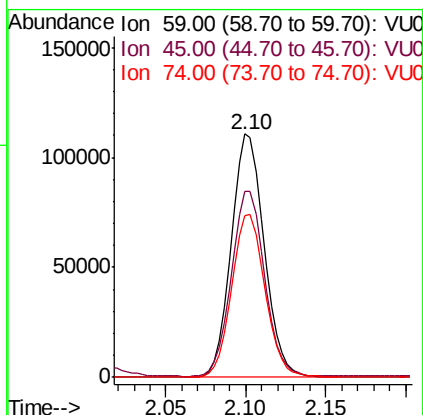
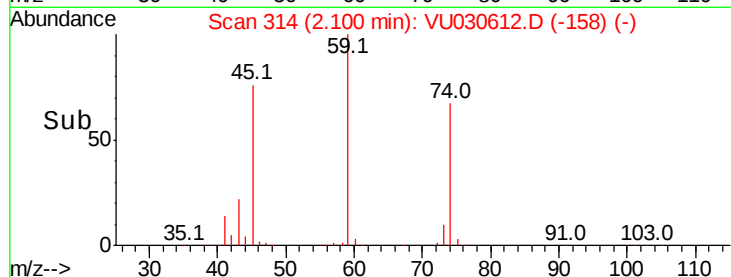
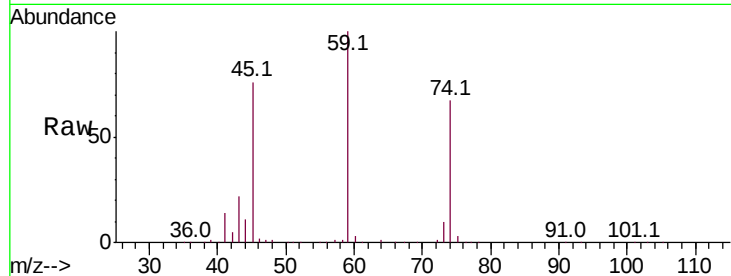
#23
Diethyl Ether
Concen: 19.606 ug/l
RT: 2.10 min Scan# 314
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
45	77.2	62.7	94.1
74	67.9	54.3	81.5

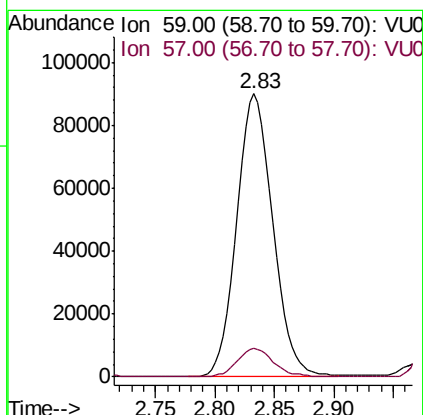
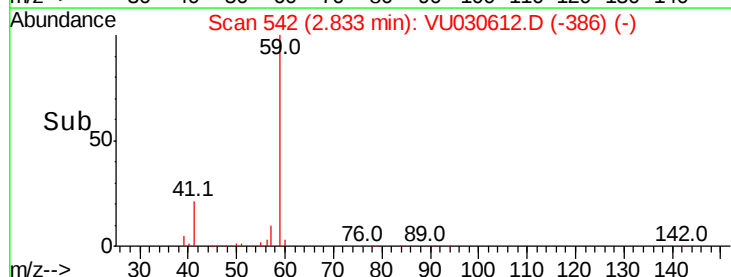
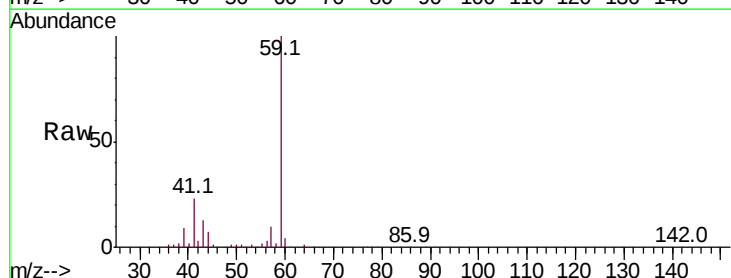
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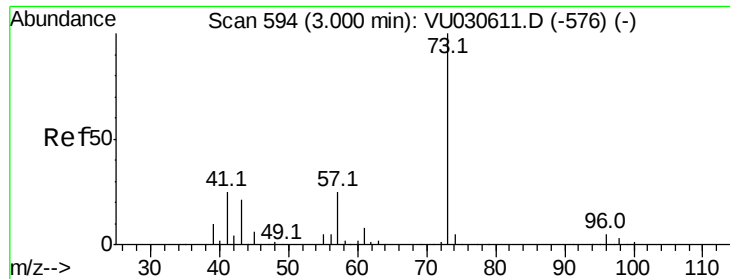
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 217.580 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4





#25

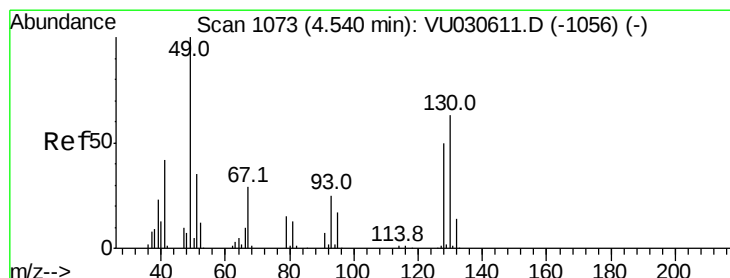
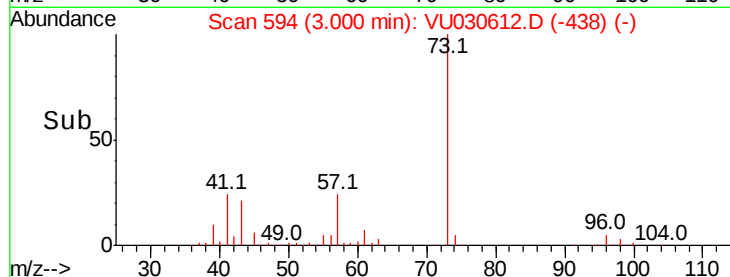
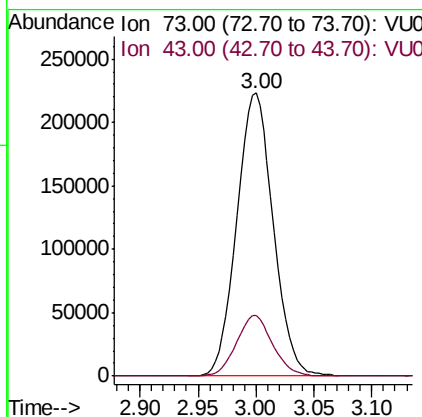
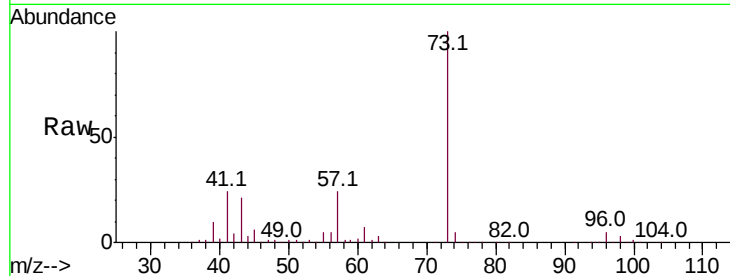
Methyl tert-Butyl Ether
 Concen: 18.599 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	17.0	25.6

Manual Integrations
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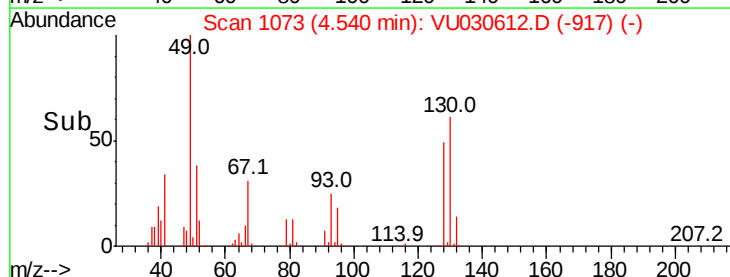
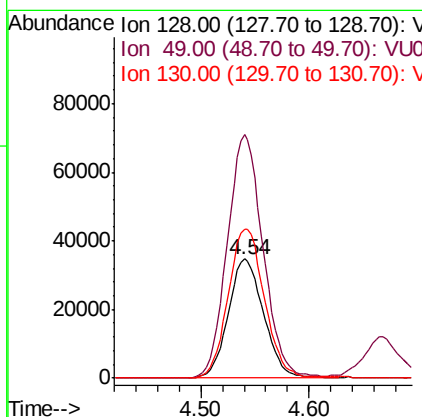
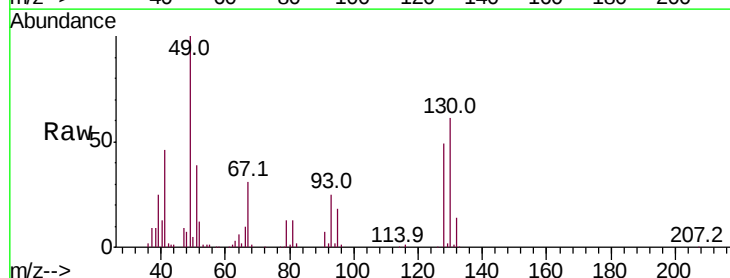
MMDadoda
 4/3/2019 11:44:02 AM

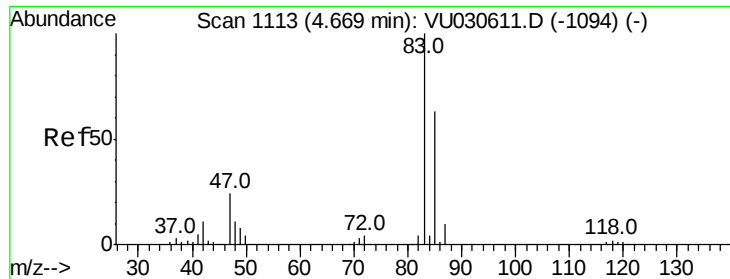


#26

Bromochloromethane
 Concen: 14.284 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
128	100		
49	206.1	0.0	404.8
130	128.1	100.2	150.2





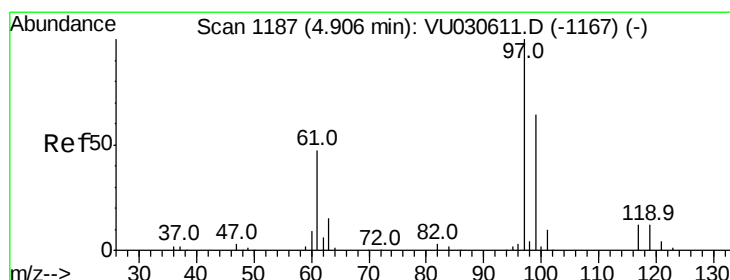
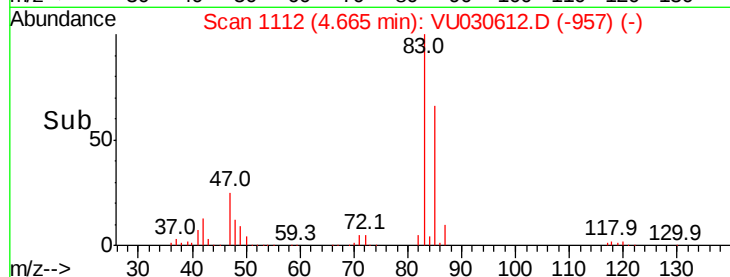
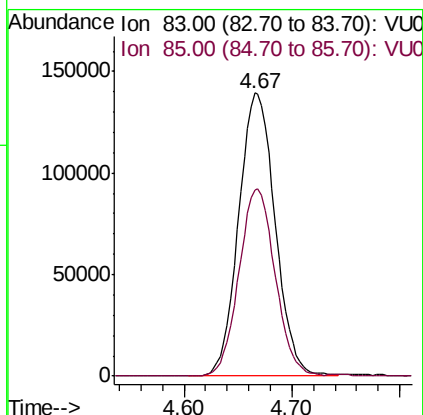
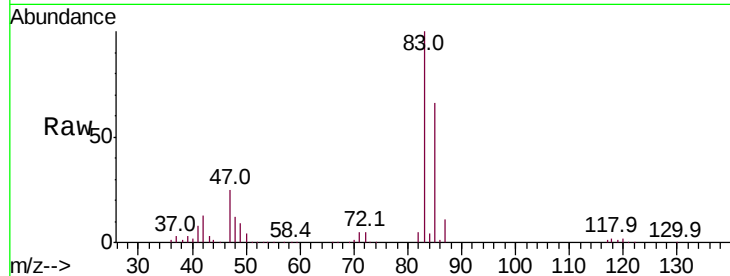
#27
Chloroform
Concen: 15.780 ug/l
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 328674
Ion Ratio Lower Upper
83 100
85 65.9 0.0 126.0

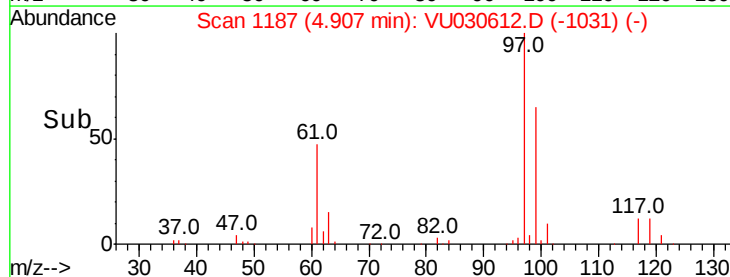
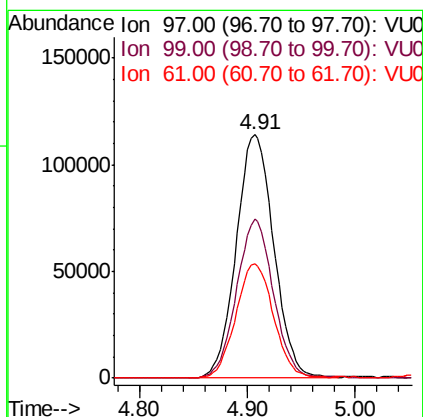
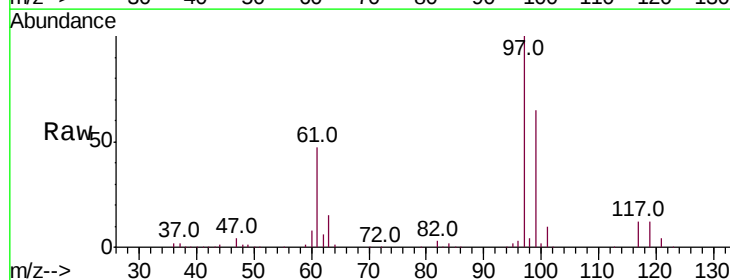
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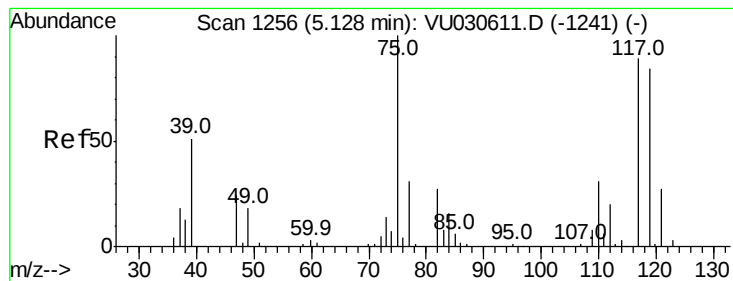
MMDadoda
4/3/2019 11:44:02 AM



#28
1,1,1-Trichloroethane
Concen: 16.245 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 97 Resp: 276599
Ion Ratio Lower Upper
97 100
99 63.9 31.9 95.9
61 47.4 23.4 70.0





#29

1,1-Dichloropropene

Concen: 16.293 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

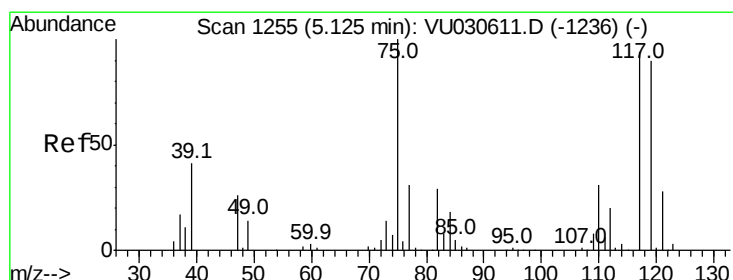
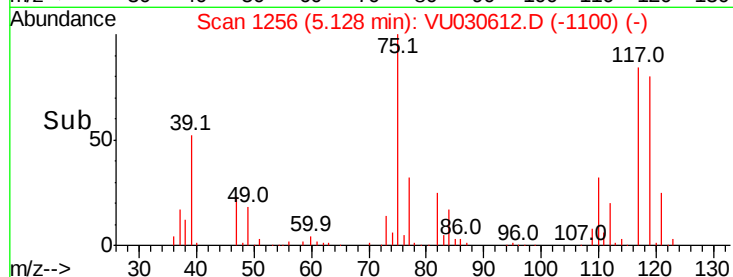
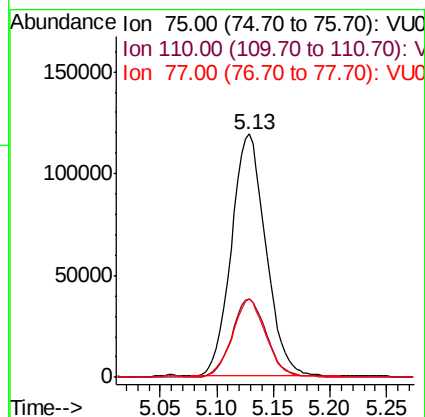
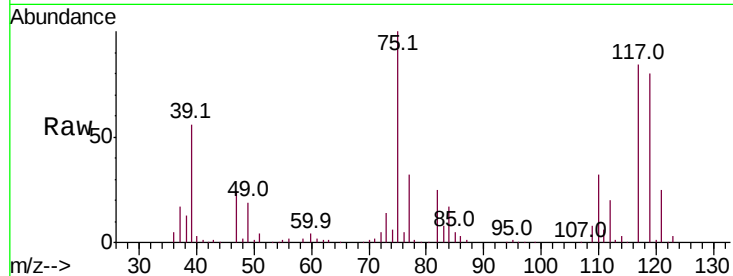
ClientSampleId :

VSTDIC015

Tot Ion:	75	Resp:	252115
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.2	48.5
77	30.9	24.6	36.8

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#30

Carbon Tetrachloride

Concen: 15.885 ug/l

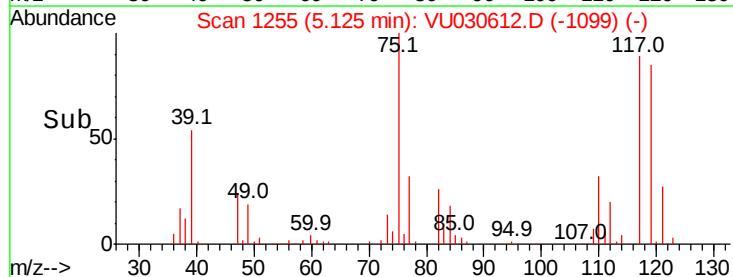
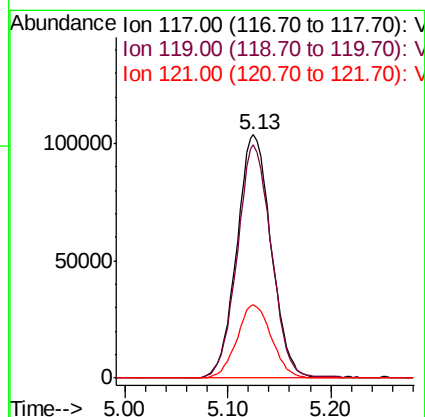
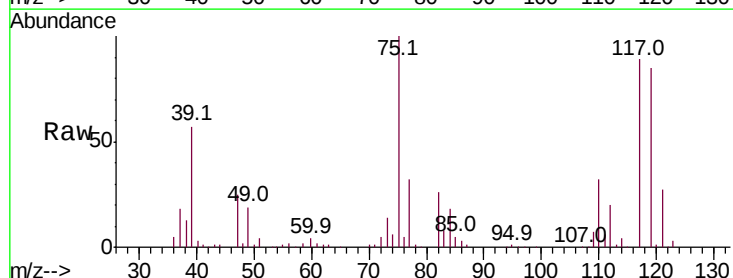
RT: 5.13 min Scan# 1255

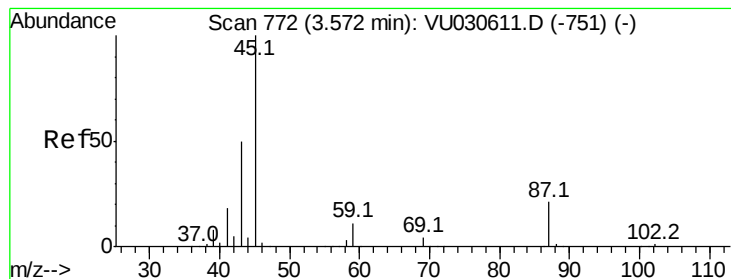
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion:	117	Resp:	240917
Ion Ratio	Lower	Upper	
117	100		
119	96.0	75.9	113.9
121	29.9	24.2	36.2





#31

Isopropyl Ether

Concen: 20.549 ug/l

RT: 3.57 min Scan# 772

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 45 Resp: 605225

Ion Ratio Lower Upper

45 100

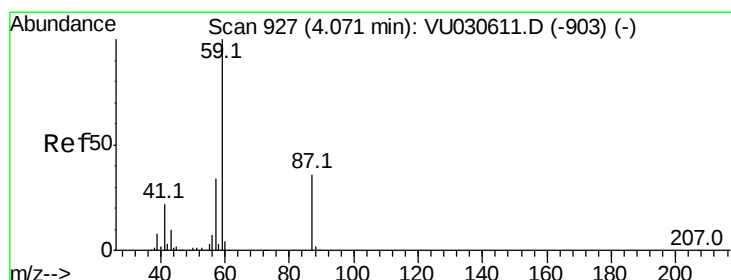
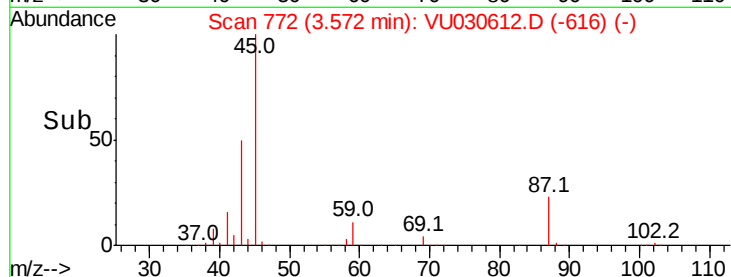
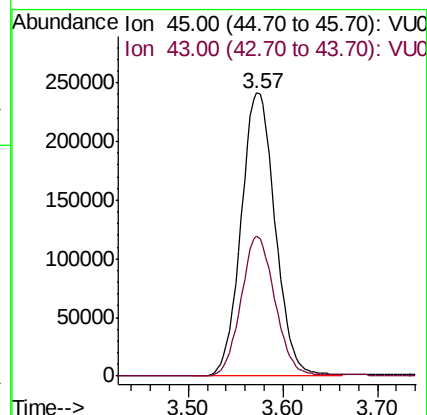
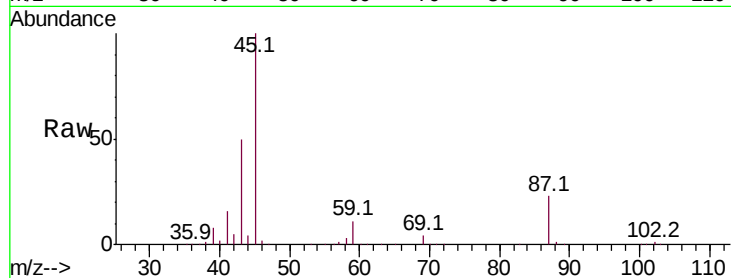
43 49.2 25.0 75.0

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#32

Ethyl-t-butyl ether

Concen: 18.575 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030612.D

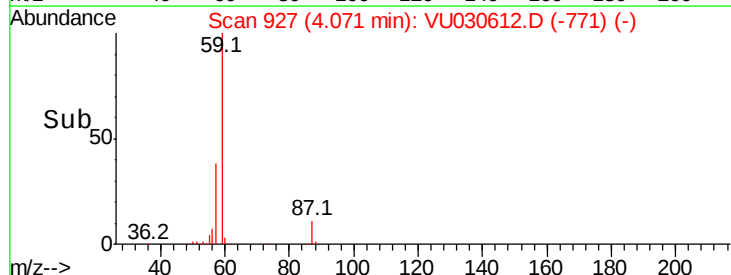
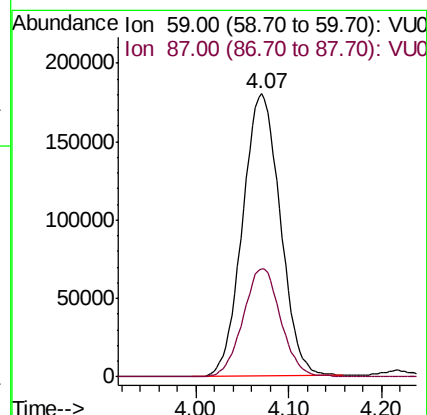
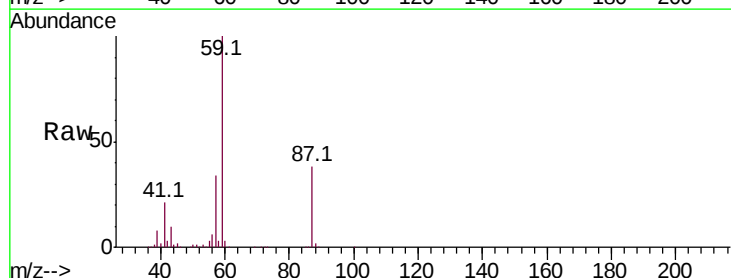
Acq: 02 Apr 2019 20:19

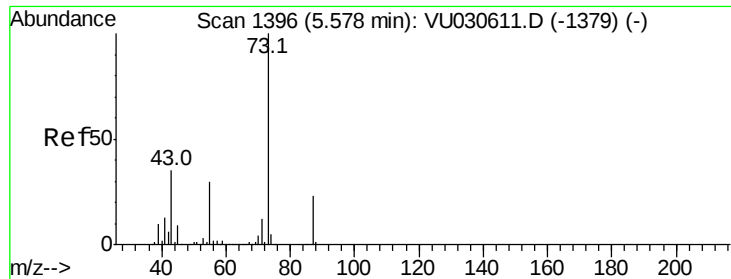
Tgt Ion: 59 Resp: 506557

Ion Ratio Lower Upper

59 100

87 38.1 29.5 44.3





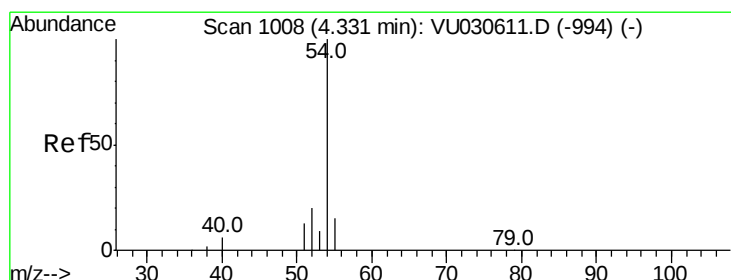
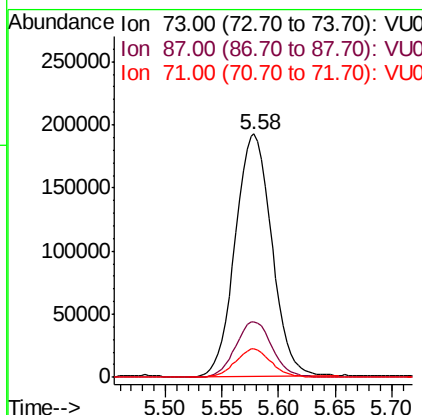
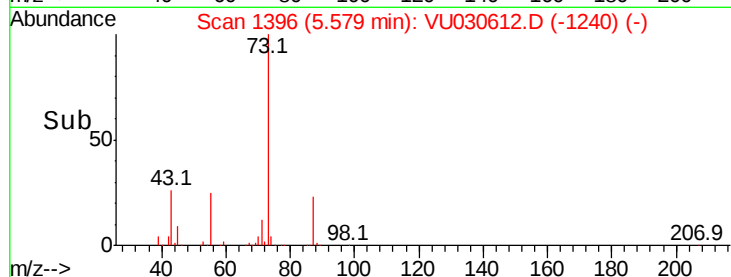
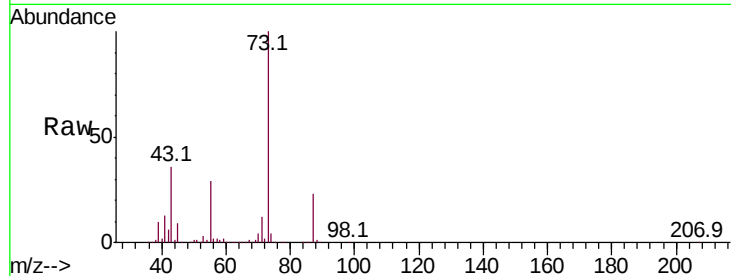
#33
Tert-Butyl methyl ether
Concen: 17.549 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.9	18.7	28.1
71	11.5	9.4	14.0

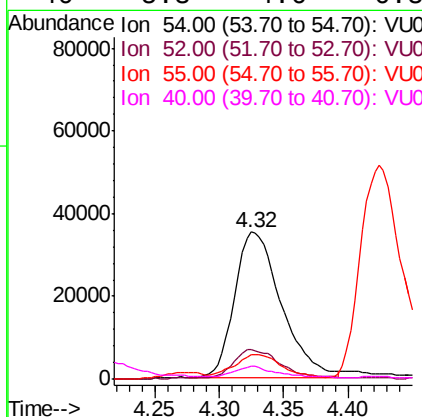
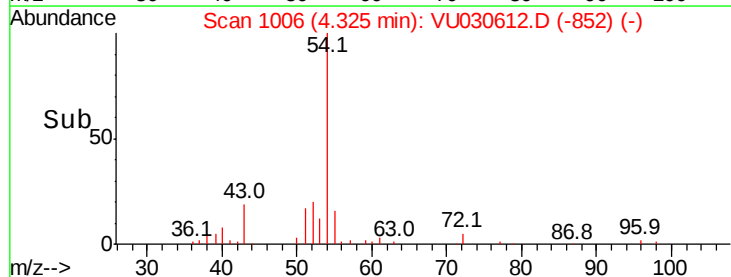
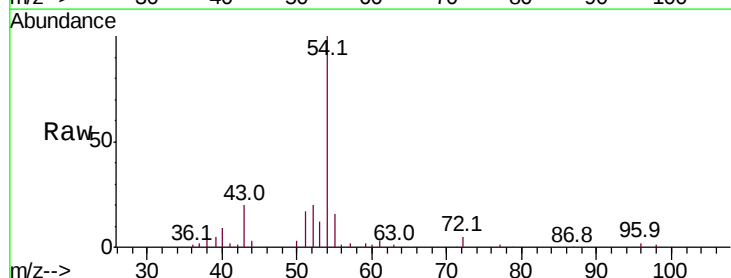
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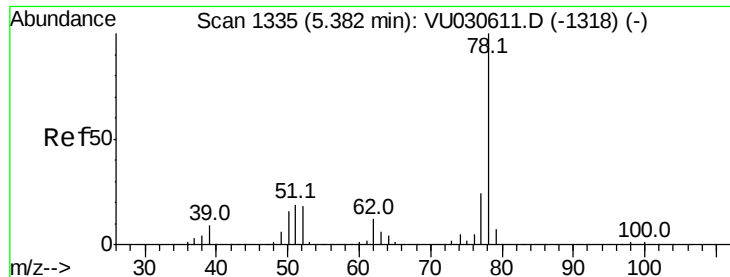
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#34
Propionitrile
Concen: 112.302 ug/l
RT: 4.32 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.7	15.3	22.9
55	15.3	11.4	17.0
40	5.3	4.6	6.8





#35

Benzene

Concen: 16.231 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 734312

Ion Ratio Lower Upper

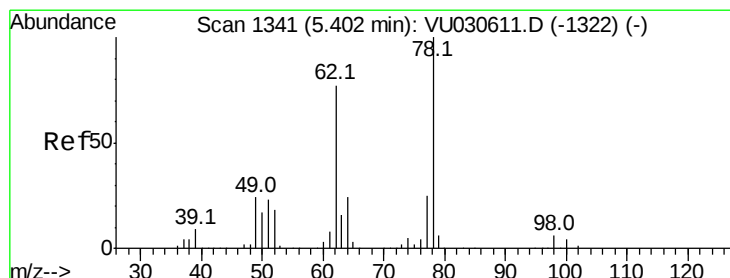
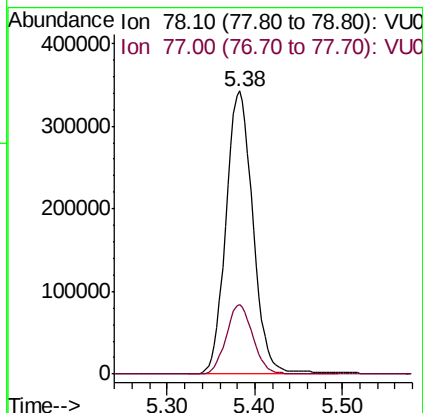
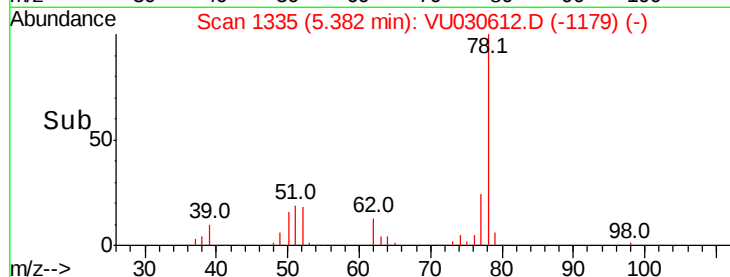
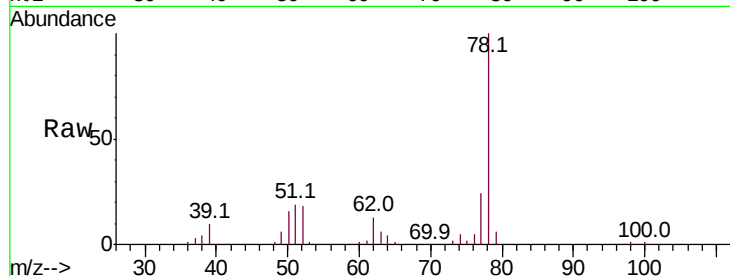
78 100

77 24.4 19.4 29.2

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#36

1,2-Dichloroethane

Concen: 18.183 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030612.D

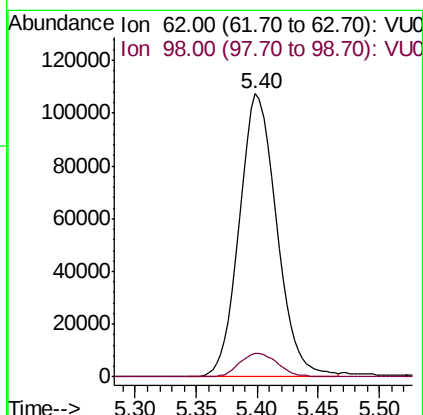
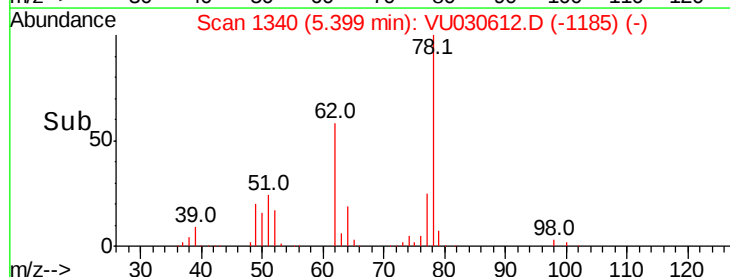
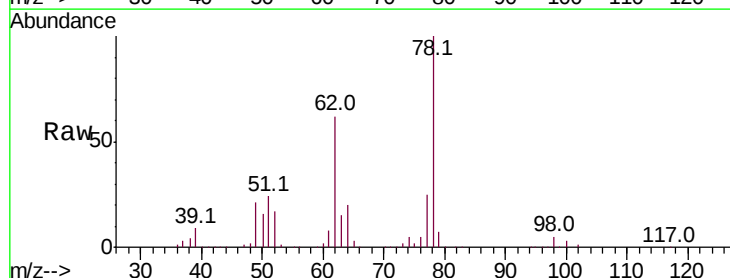
Acq: 02 Apr 2019 20:19

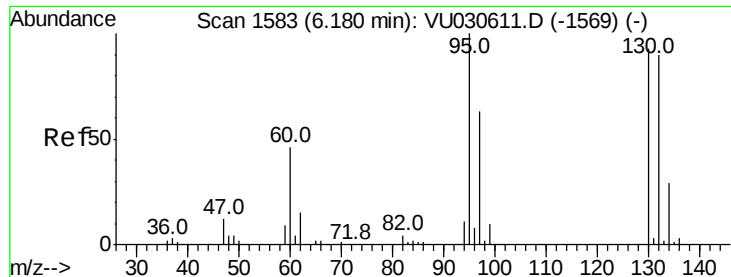
Tgt Ion: 62 Resp: 228370

Ion Ratio Lower Upper

62 100

98 8.5 6.5 9.7





#37

Trichloroethene

Concen: 13.810 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

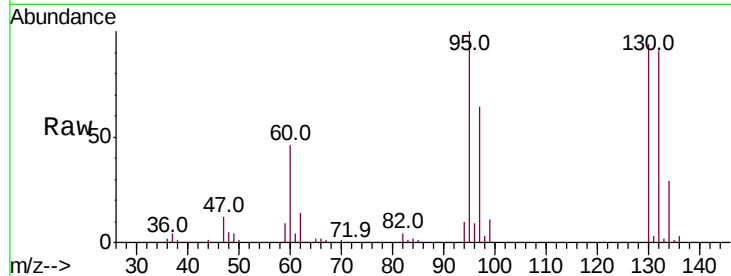
Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion:130 Resp: 174683

Ion	Ratio	Lower	Upper
130	100		
95	106.7	85.7	128.5

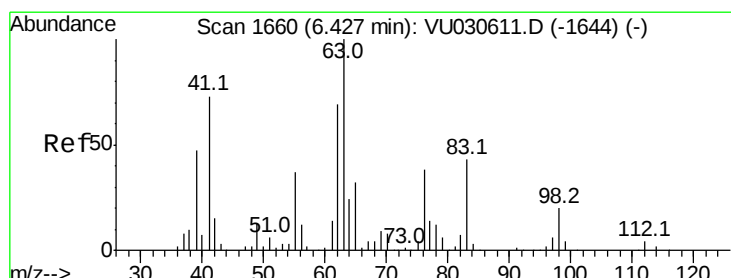
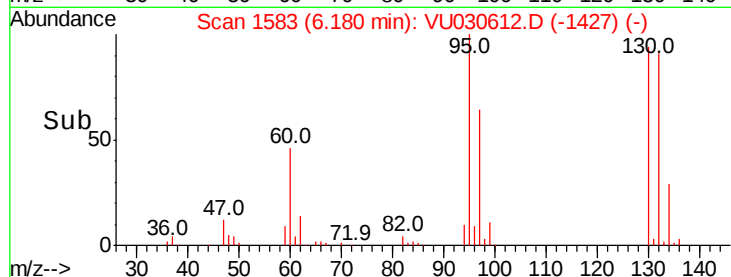
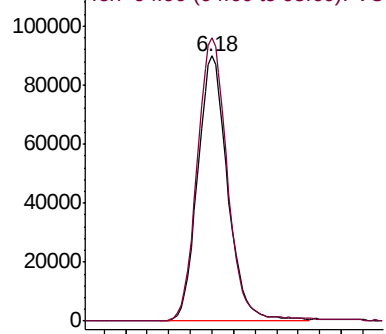
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Abundance Ion 129.90 (129.60 to 130.60): VU030611.D (-1569) (-)

Ion 94.90 (94.60 to 95.60): VU030611.D (-1569) (-)



#38

1,2-Dichloropropane

Concen: 17.577 ug/l

RT: 6.43 min Scan# 1660

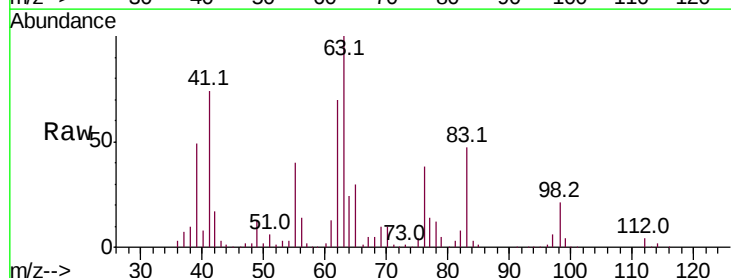
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

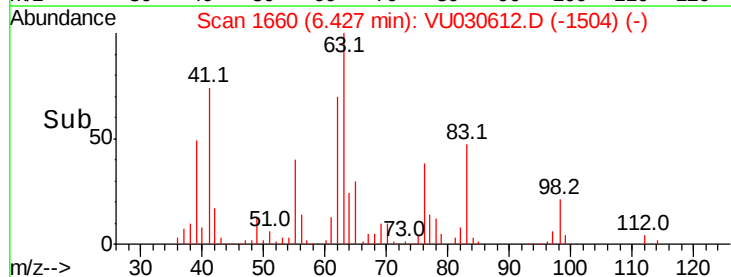
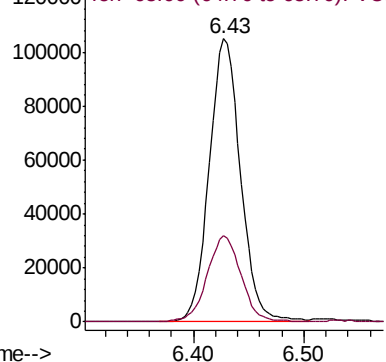
Tgt Ion: 63 Resp: 206962

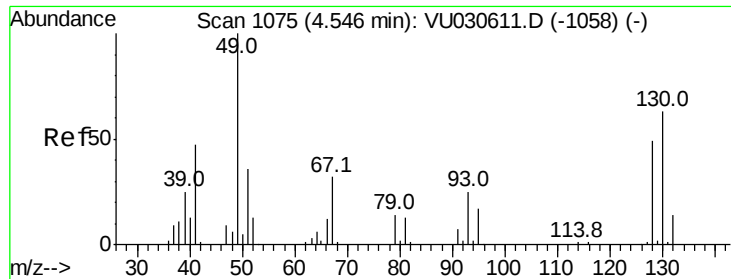
Ion	Ratio	Lower	Upper
63	100		
65	30.4	25.5	38.3



Abundance Ion 63.00 (62.70 to 63.70): VU030611.D (-1644) (-)

Ion 65.00 (64.70 to 65.70): VU030611.D (-1644) (-)





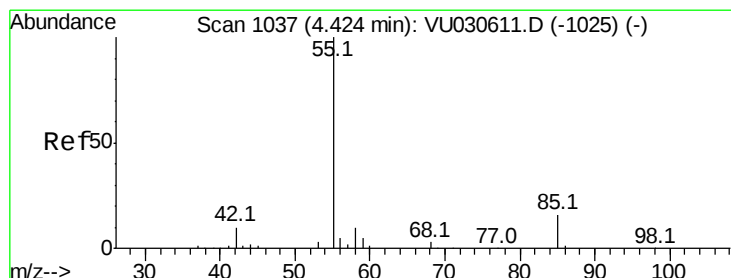
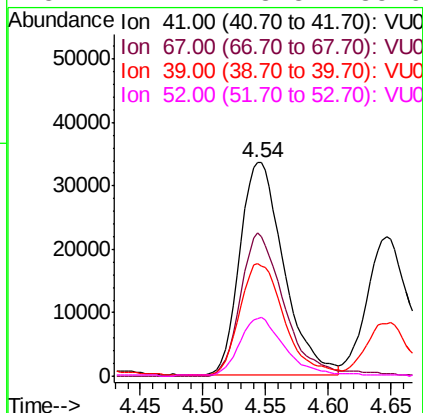
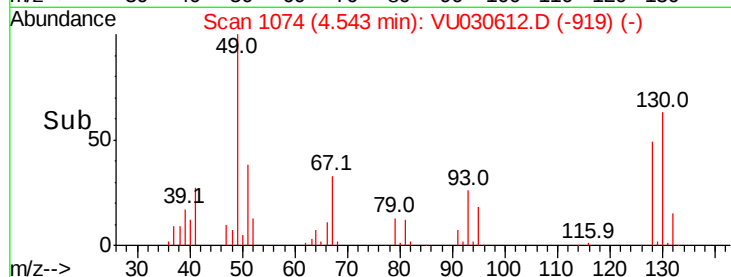
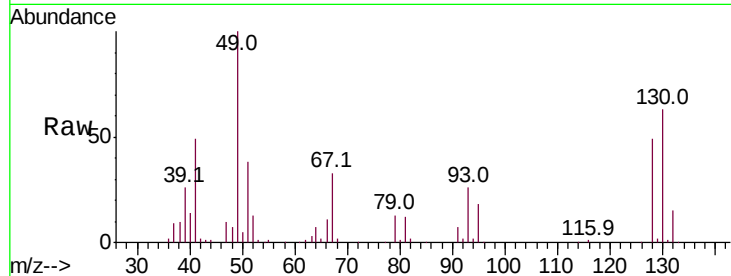
#39
Methacrylonitrile
Concen: 23.119 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
67	68.4	54.1	81.1
39	53.2	41.7	62.5
52	27.4	23.8	35.6

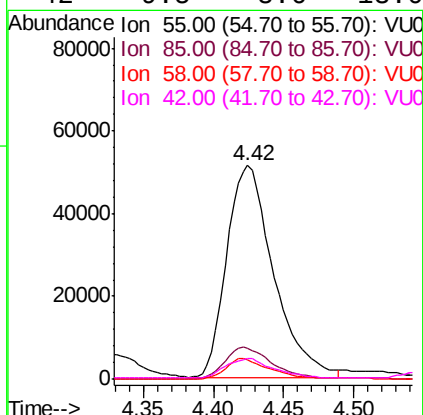
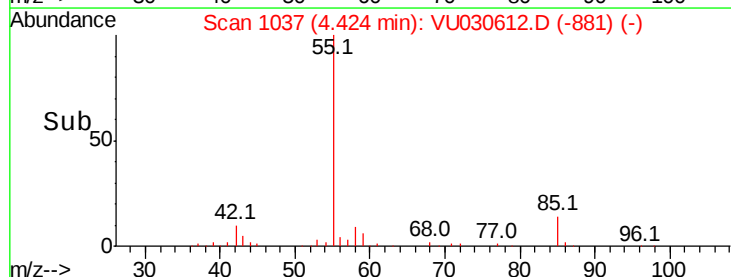
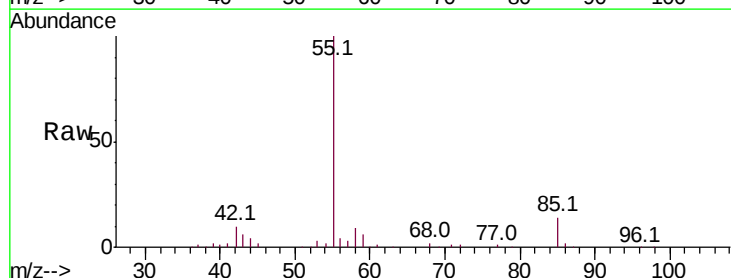
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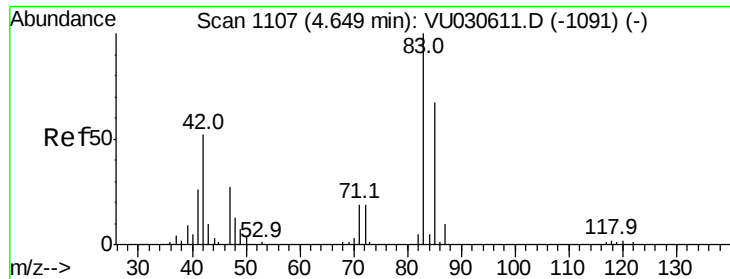
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#40
Methyl acrylate
Concen: 22.150 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.1	12.5	18.7
58	9.3	7.5	11.3
42	9.5	8.6	13.0





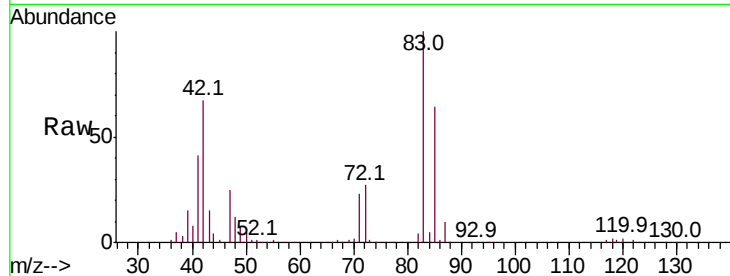
#41
Tetrahydrofuran
Concen: 44.225 ug/l
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	29.8	44.8
71	35.9	27.7	41.5

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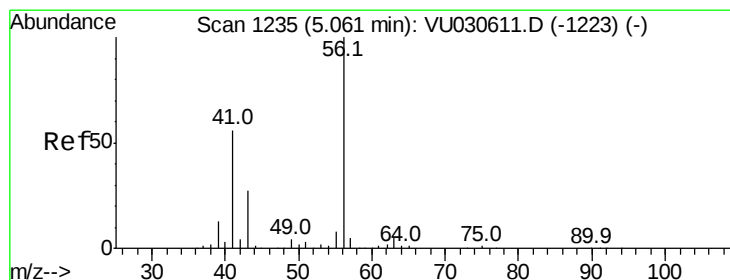
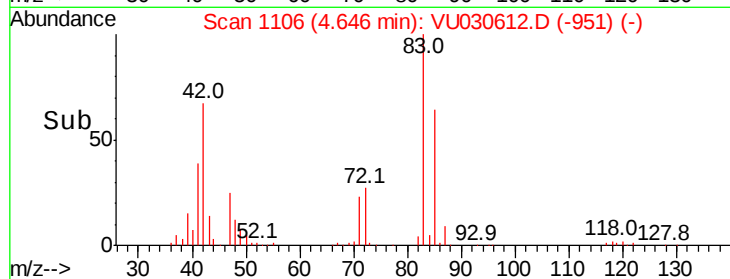
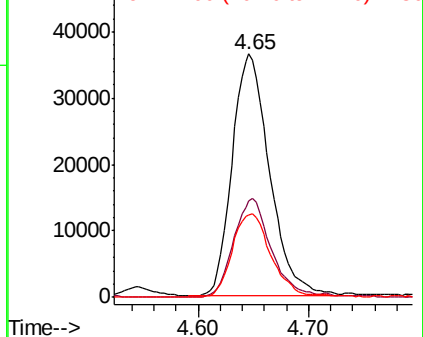


Abundance

Ion 42.00 (41.70 to 42.70): VU030612.D (-1091) (-)

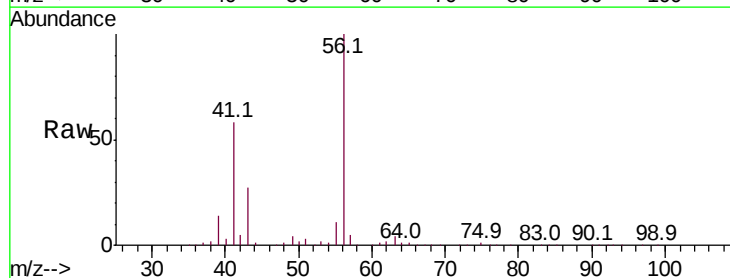
Ion 72.00 (71.70 to 72.70): VU030612.D (-1091) (-)

Ion 71.00 (70.70 to 71.70): VU030612.D (-1091) (-)



#42
1-Chlorobutane
Concen: 18.346 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

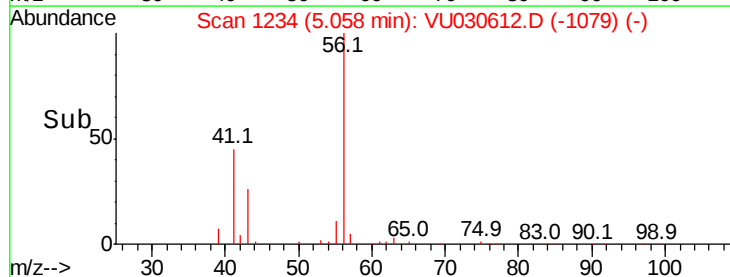
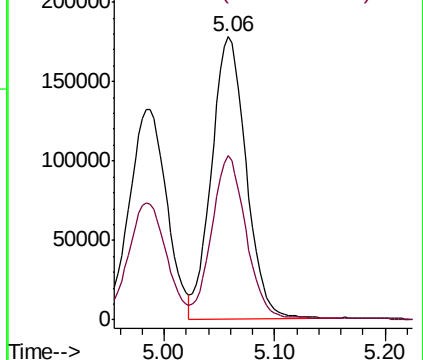
Tgt Ion	Ratio	Lower	Upper
56	100		
41	57.2	27.6	82.8

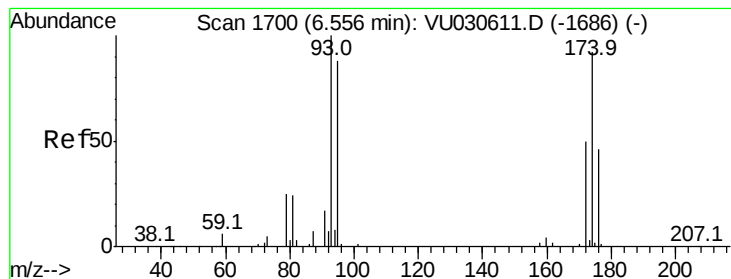


Abundance

Ion 56.00 (55.70 to 56.70): VU030612.D (-1079) (-)

Ion 41.00 (40.70 to 41.70): VU030612.D (-1079) (-)





#43

Dibromomethane

Concen: 16.592 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

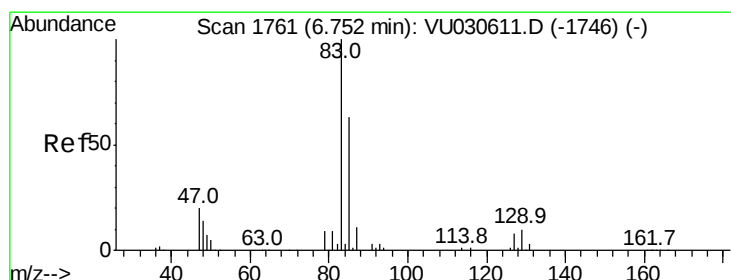
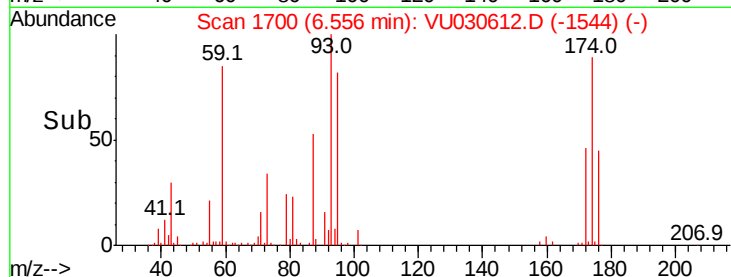
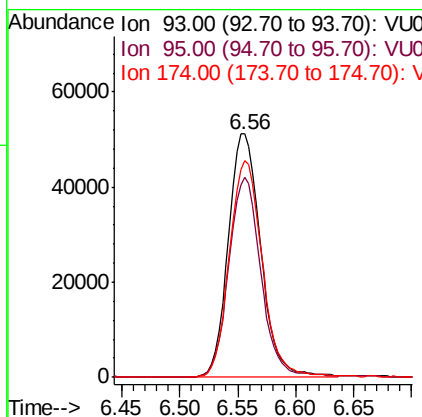
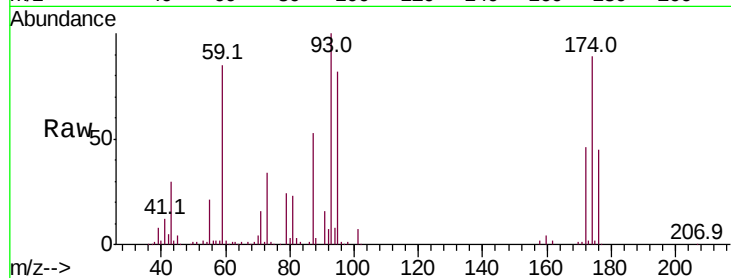
ClientSampleId :

VSTDIC015

Tot Ion	93	Ratio	100	Resp	99590
Ion	93	100		Lower	Upper
	95	80.1		65.7	98.5
	174	90.1		70.3	105.5

Manual Integrations
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#44

Bromodichloromethane

Concen: 17.412 ug/l

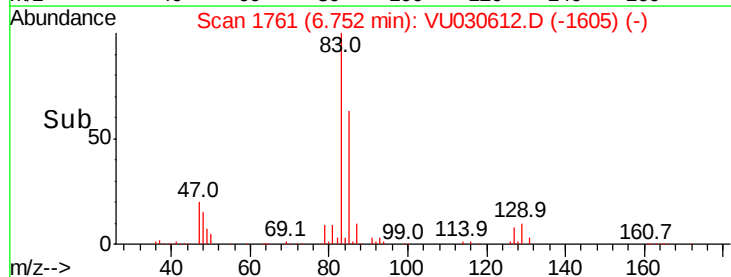
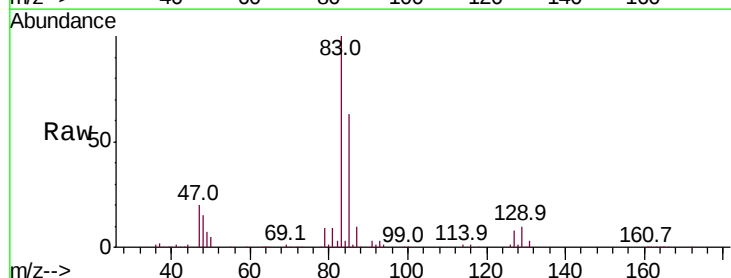
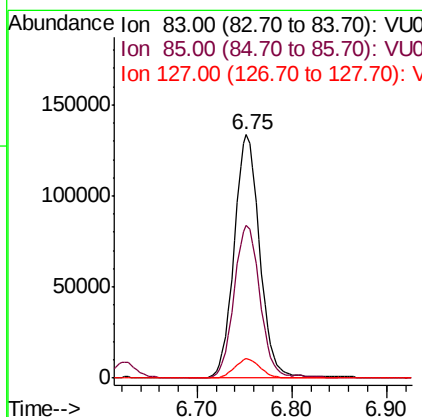
RT: 6.75 min Scan# 1761

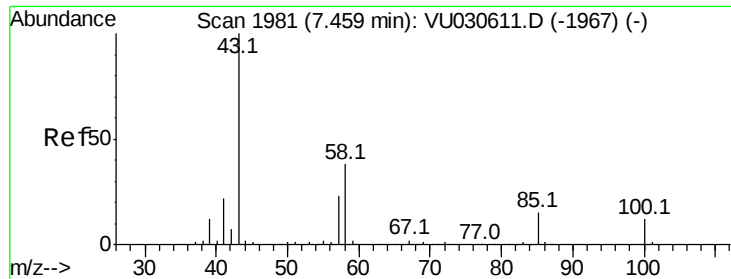
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion	83	Ratio	100	Resp	251504
Ion	83	100		Lower	Upper
	85	62.5		50.6	76.0
	127	8.0		6.6	10.0





#45

4-Methyl-2-Pentanone

Concen: 120.106 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

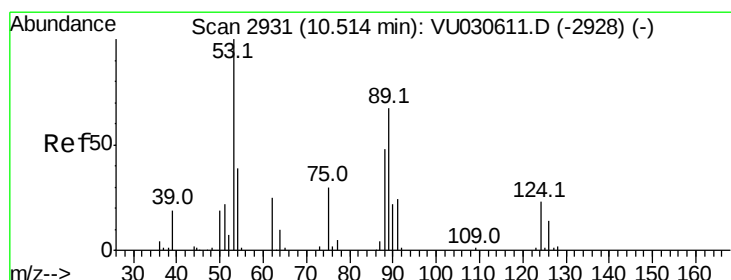
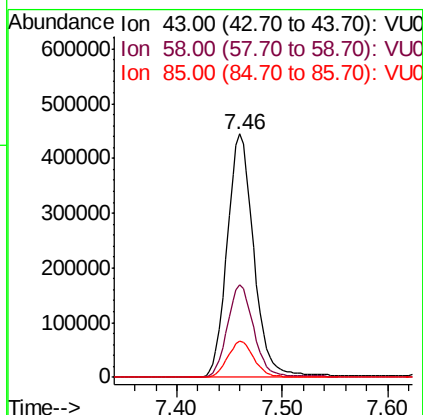
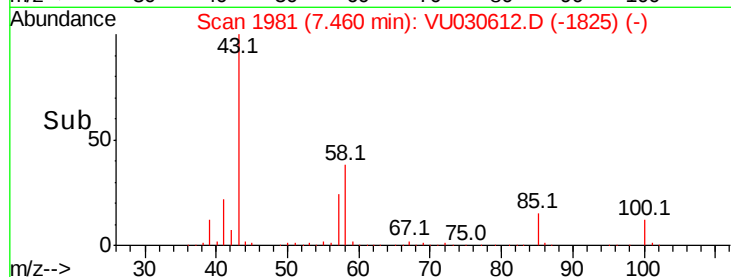
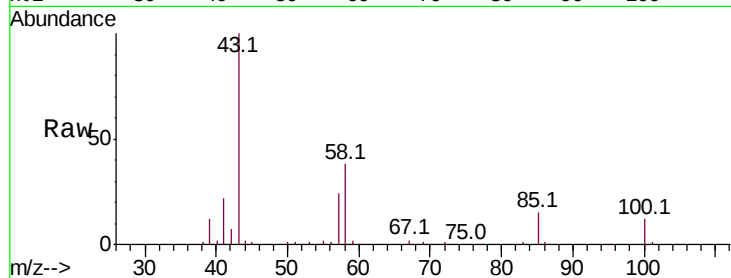
Instrument :
MSVOA_U

ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.6	18.6	55.8
85	14.8	11.6	17.4

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4/3/2019 11:44:02 AM



#46

t-1,4-Dichloro-2-butene

Concen: 44.506 ug/l m

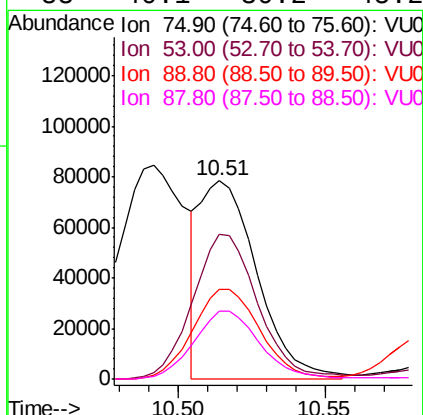
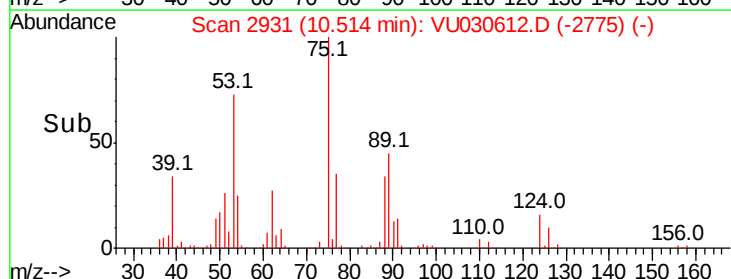
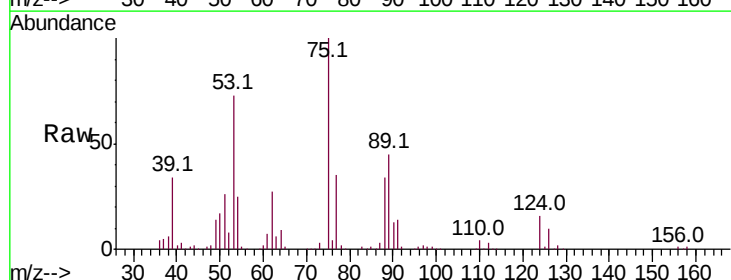
RT: 10.51 min Scan# 2931

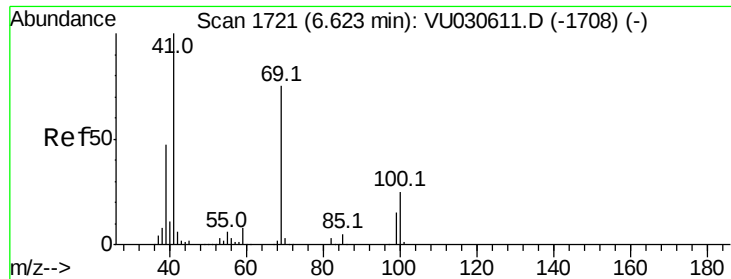
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	83.7	64.3	96.5
89	53.4	40.8	61.2
88	40.1	30.2	45.2





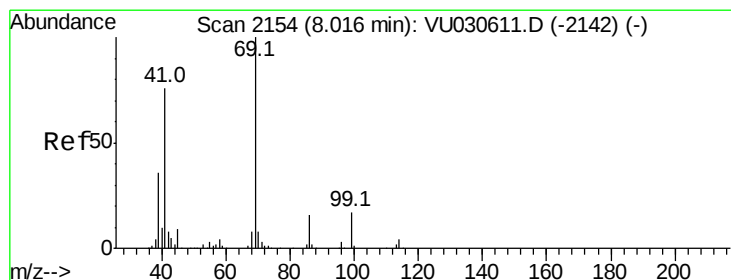
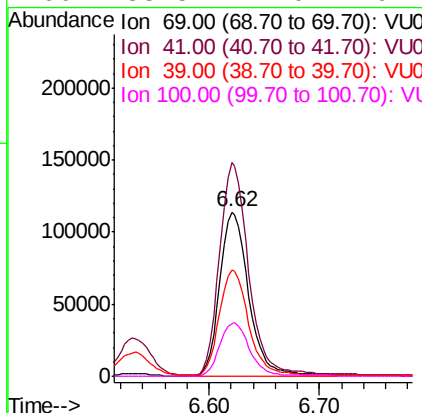
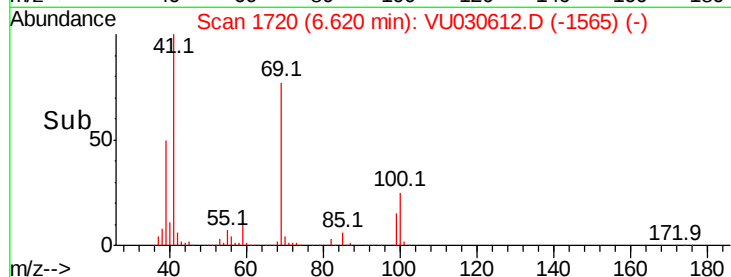
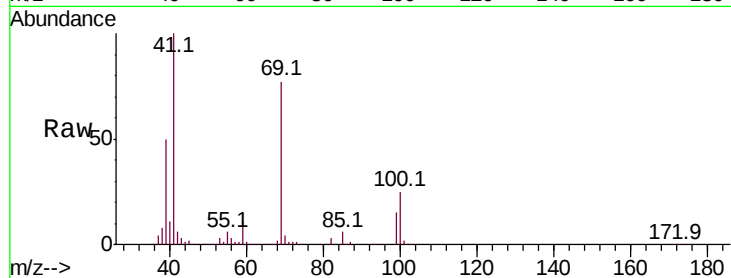
#47
Methyl methacrylate
Concen: 40.387 ug/l
RT: 6.62 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		208418		
41	128.1	0.0	263.2		
39	64.3	50.7	76.1		
100	33.5	27.0	40.4		

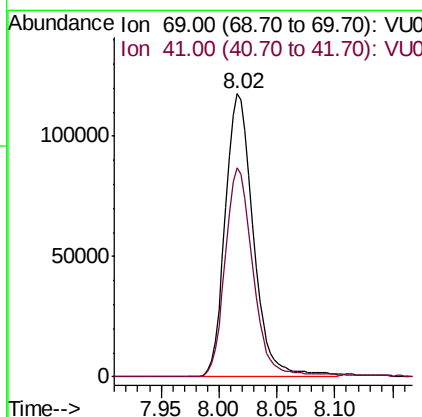
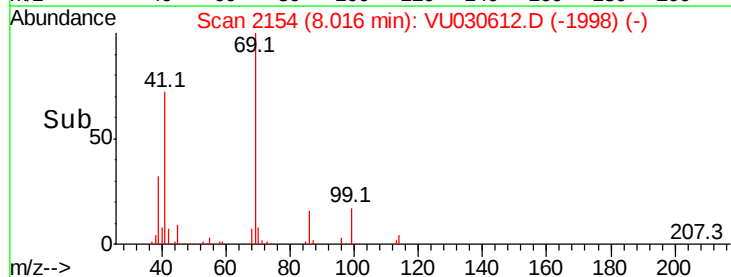
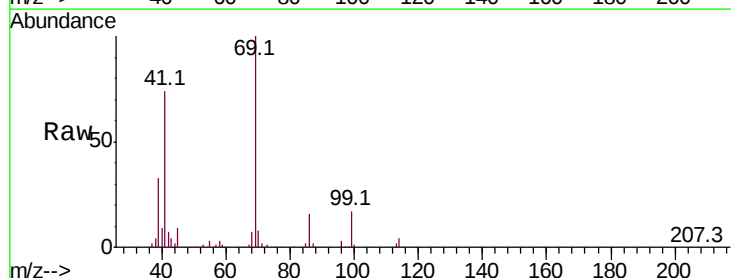
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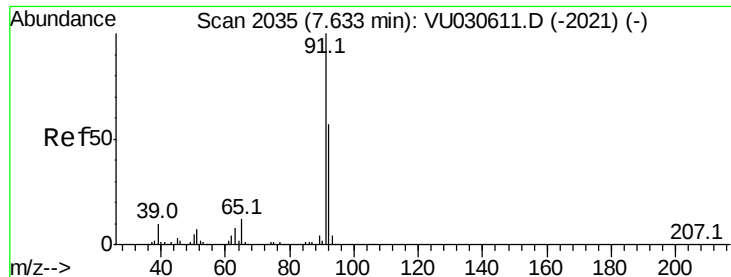
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#48
Ethyl methacrylate
Concen: 20.650 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		197520		
41	74.1	37.3	111.9		





#49

Toluene

Concen: 15.731 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 92 Resp: 422992

Ion Ratio Lower Upper

92 100

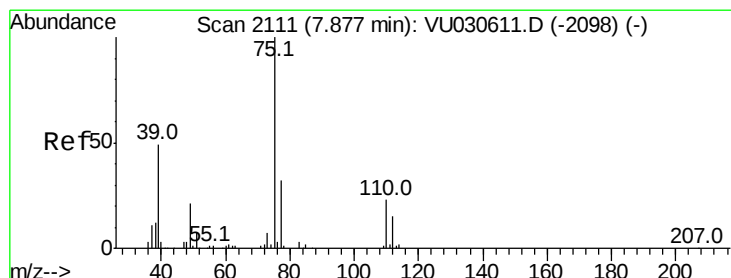
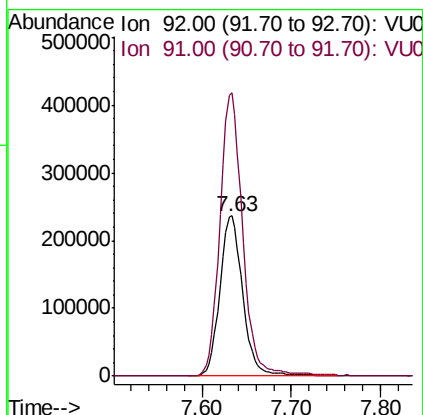
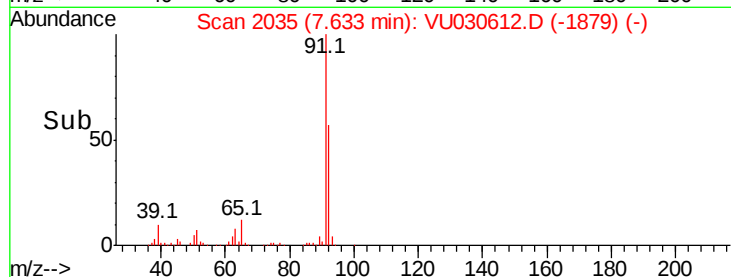
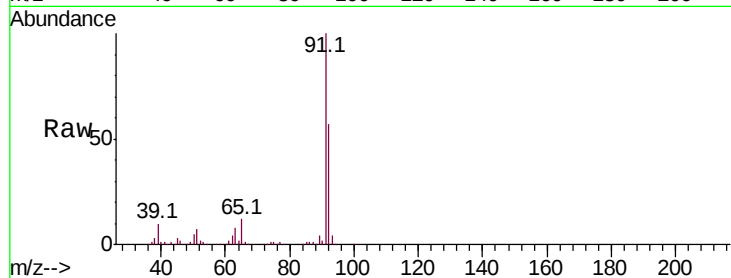
91 175.7 142.1 213.1

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#50

t-1,3-Dichloropropene

Concen: 18.561 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030612.D

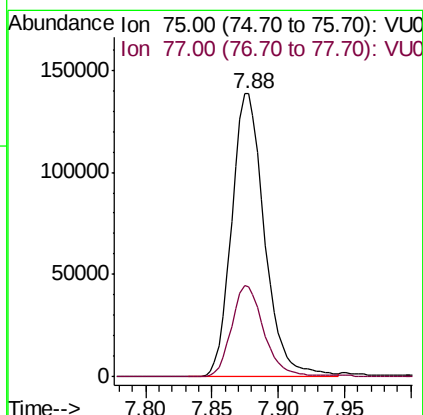
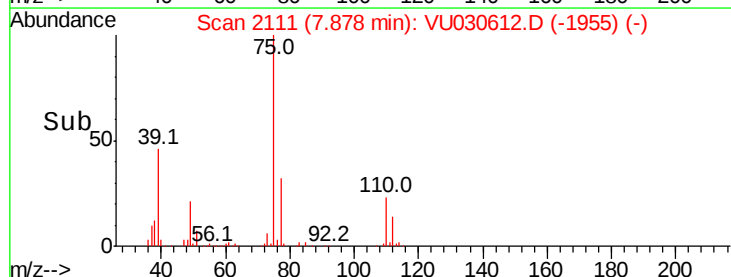
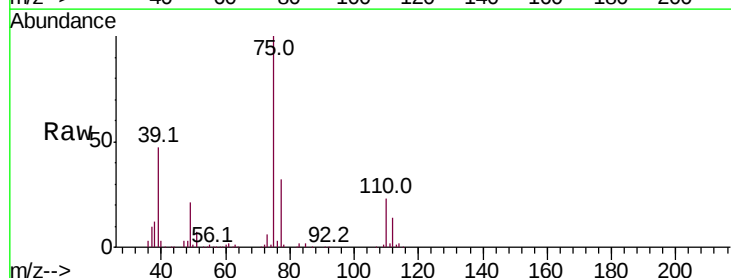
Acq: 02 Apr 2019 20:19

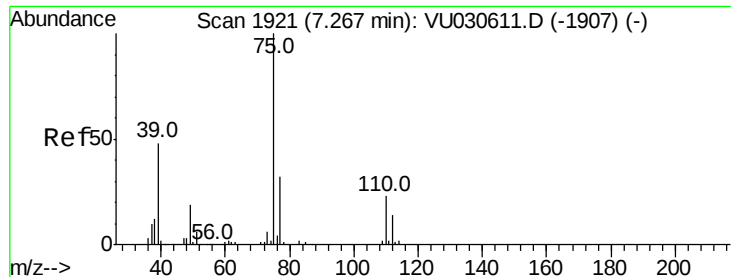
Tgt Ion: 75 Resp: 239350

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0





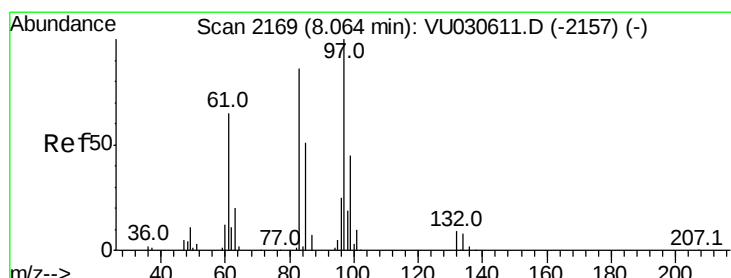
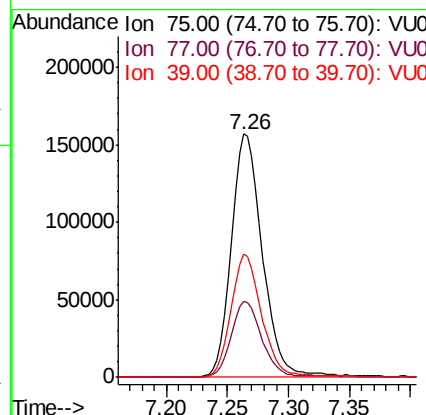
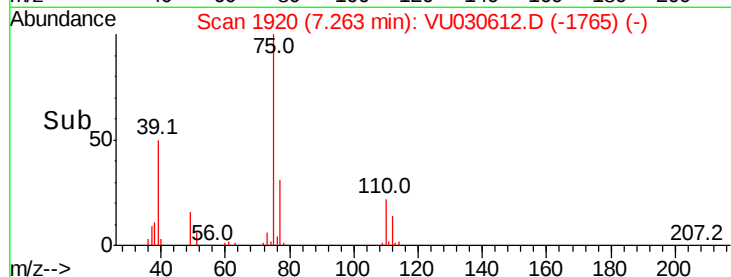
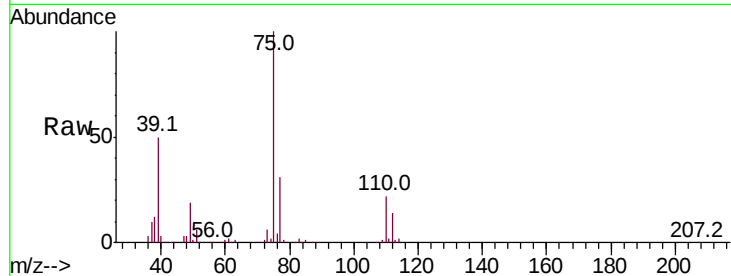
#51
 cis-1,3-Dichloropropene
 Concen: 17.411 ug/l
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:	75	Resp:	279625
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.4	38.0
39	50.4	38.5	57.7

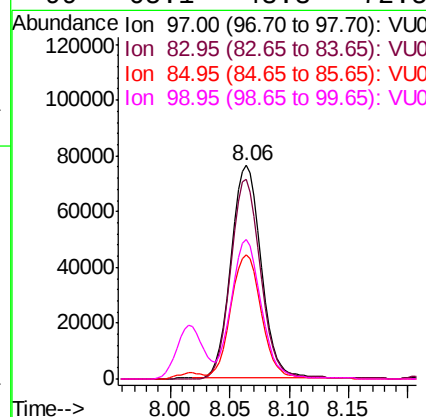
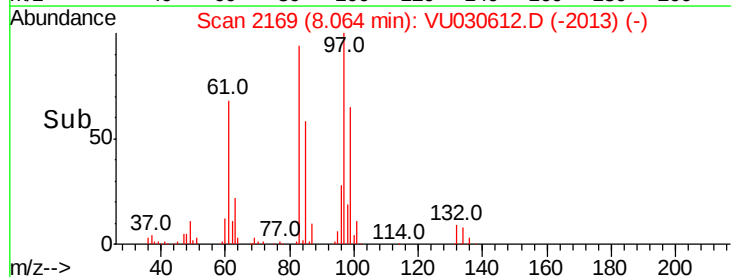
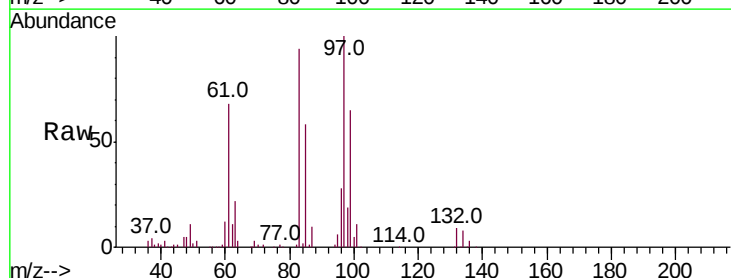
Manual Integrations
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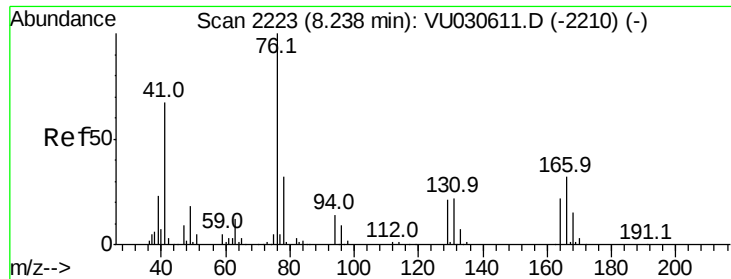
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#52
 1,1,2-Trichloroethane
 Concen: 15.904 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion:	97	Resp:	134114
Ion Ratio	Lower	Upper	
97	100		
83	94.0	68.6	103.0
85	58.2	41.8	62.8
99	65.1	48.3	72.5





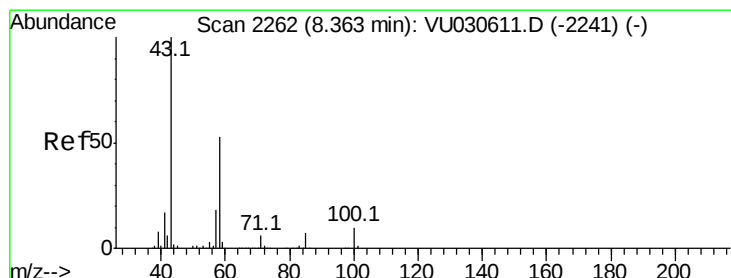
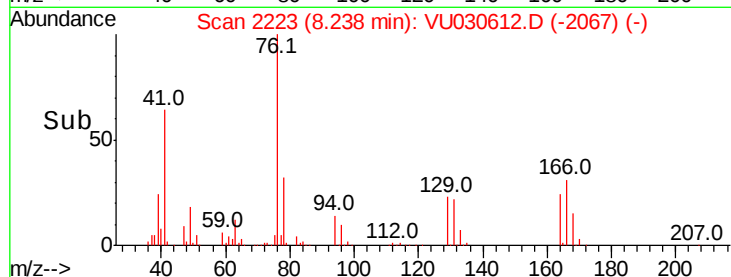
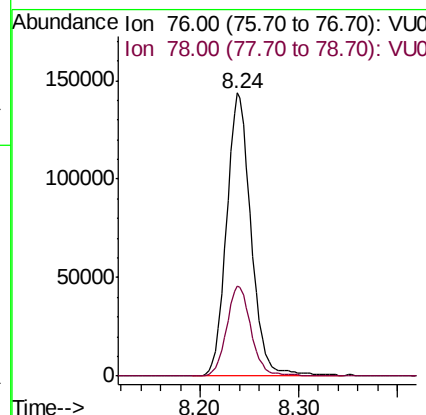
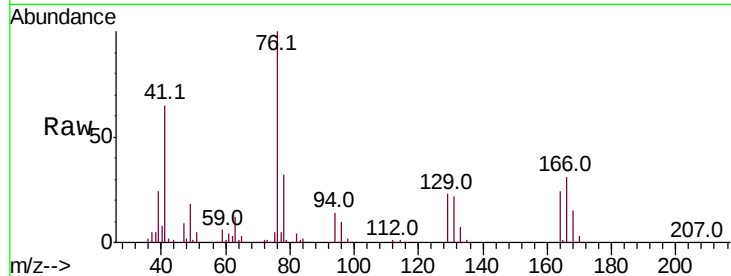
#53
 1,3-Dichloropropane
 Concen: 17.520 ug/l
 RT: 8.24 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.2	37.8

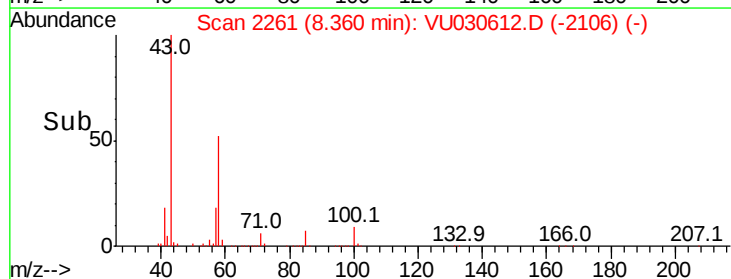
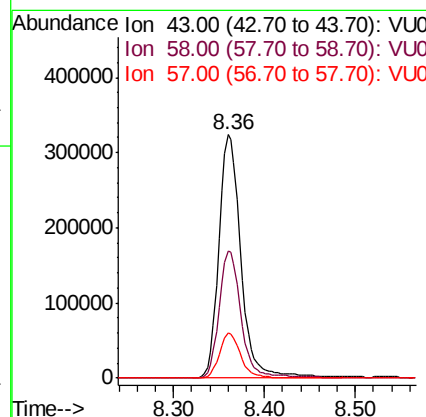
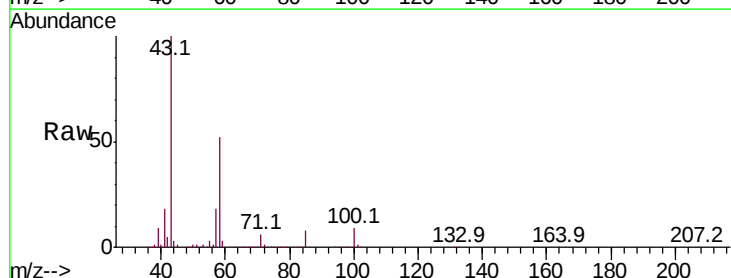
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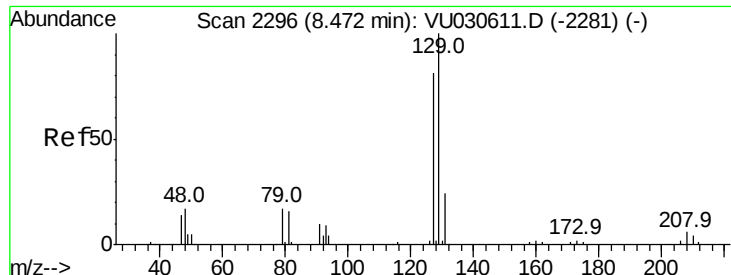
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#54
 2-Hexanone
 Concen: 118.580 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.5	33.1	73.1
57	18.1	0.0	38.1





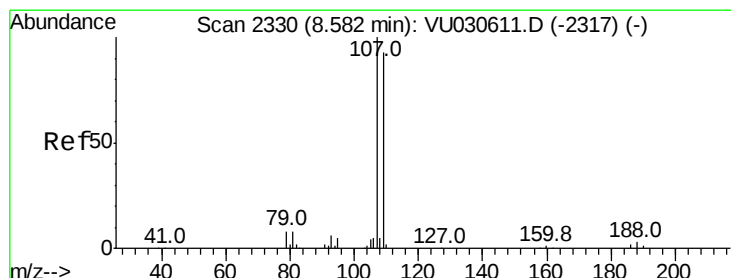
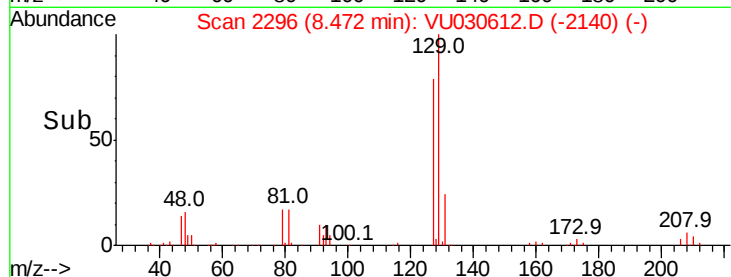
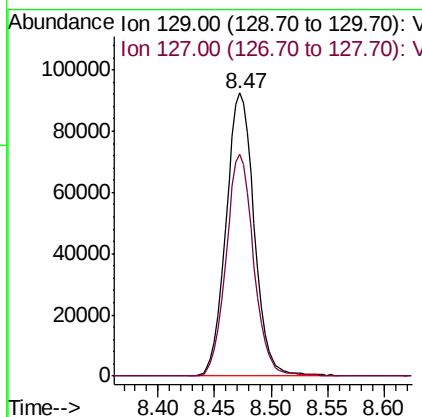
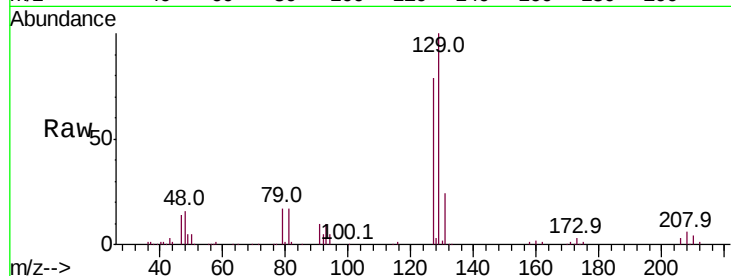
#55
Dibromochloromethane
Concen: 15.996 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		160374		
127	76.8	62.8	94.2		

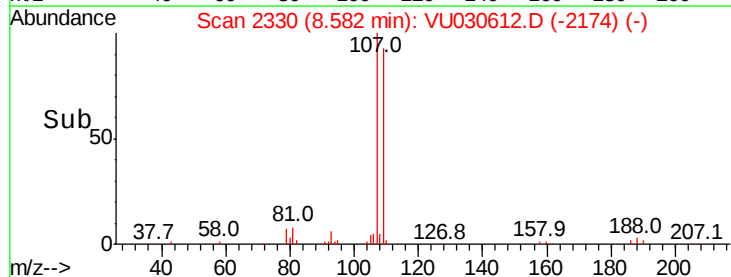
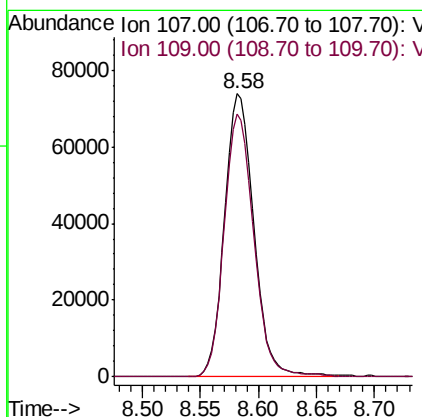
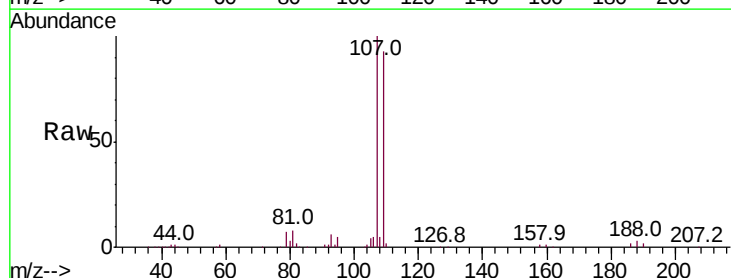
Manual Integrations
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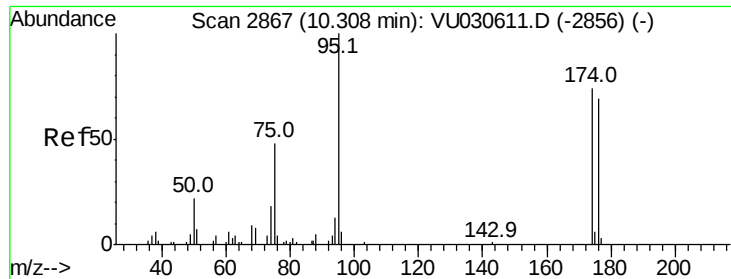
MMDadoda
4/3/2019 11:44:02 AM



#56
1,2-Dibromoethane
Concen: 16.089 ug/l
RT: 8.58 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		129406		
109	93.1	0.0	187.2		





#57

4-Bromofluorobenzene

Concen: 16.089 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 95 Resp: 13918

Ion Ratio Lower Upper

95 100

174 80.2 59.1 88.7

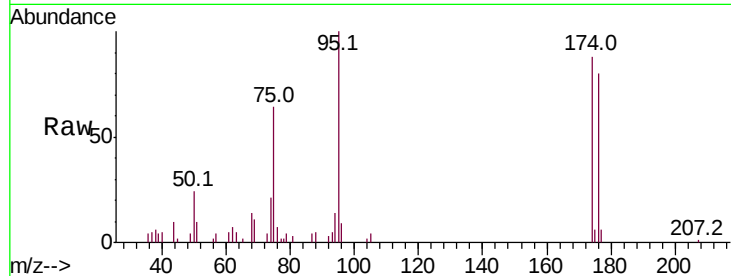
176 77.8 55.7 83.5

Manual Integrations

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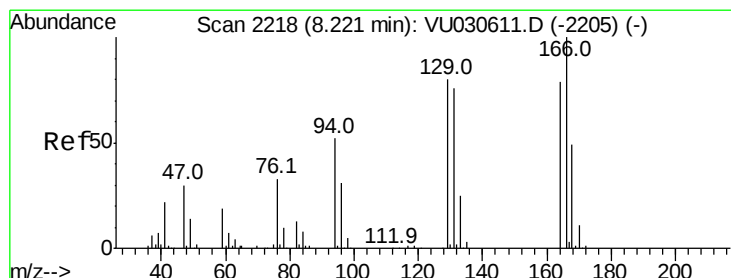
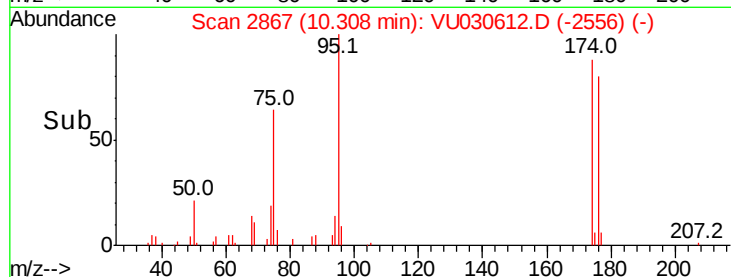
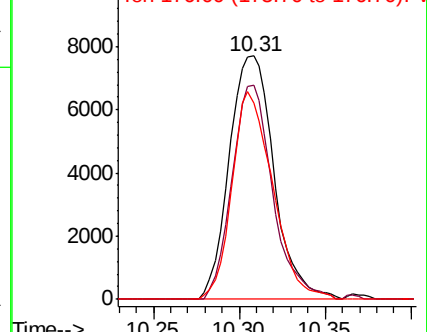


Abundance

Ion 95.00 (94.70 to 95.70): VU030612.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030612.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030612.D (-2856) (-)



#58

Tetrachloroethene

Concen: 13.529 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion: 164 Resp: 154259

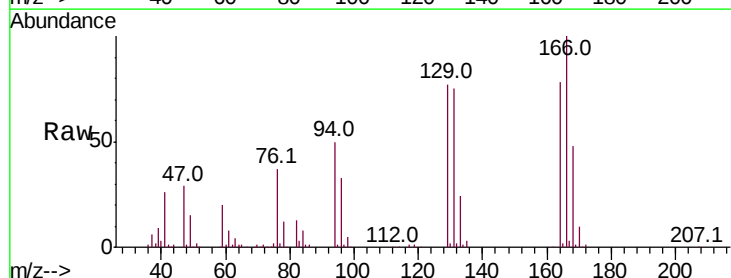
Ion Ratio Lower Upper

164 100

166 127.6 101.0 151.4

129 98.4 80.6 120.8

131 95.4 76.9 115.3



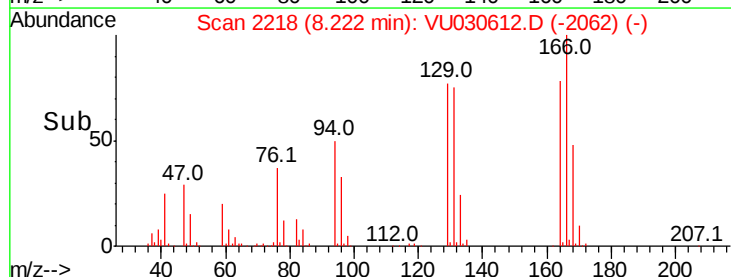
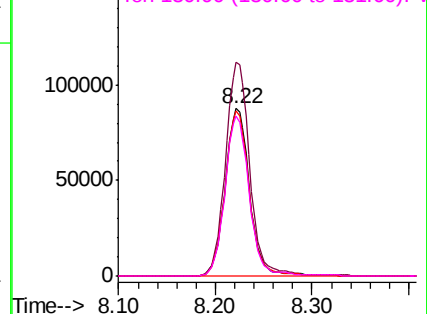
Abundance

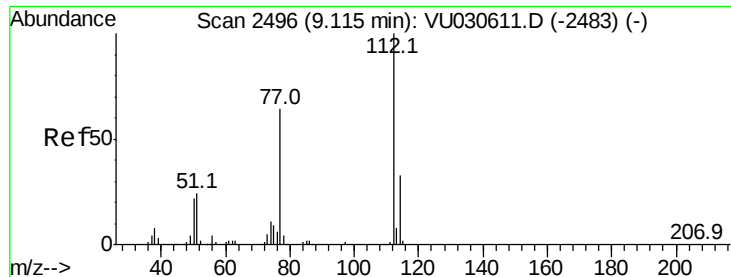
Ion 163.85 (163.55 to 164.55): VU030612.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030612.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030612.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030612.D (-2062) (-)





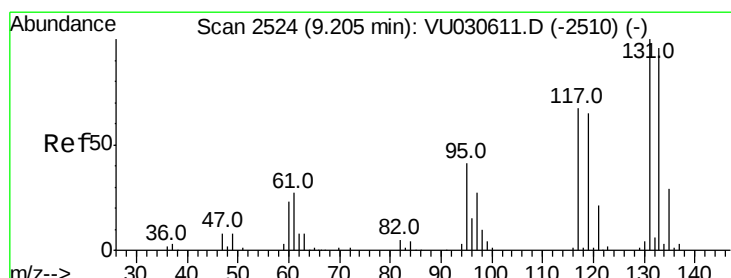
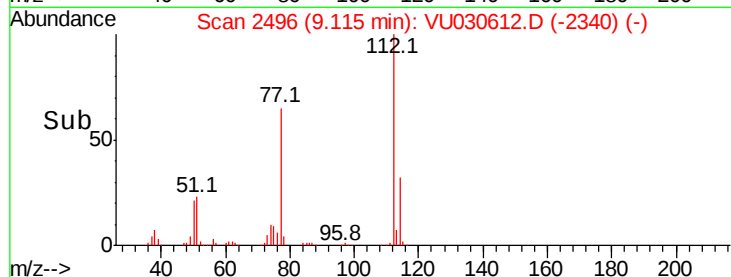
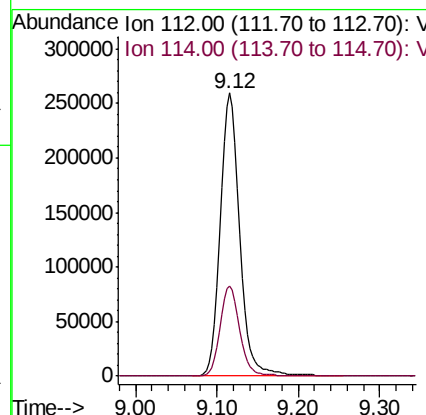
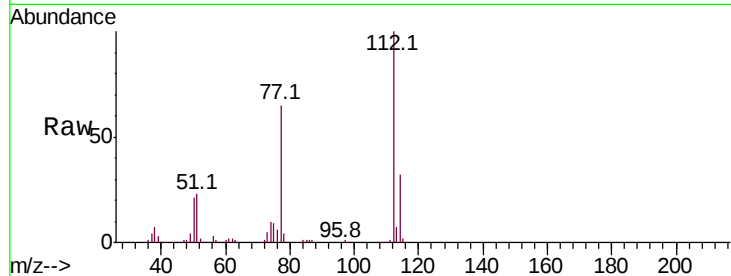
#59
Chlorobenzene
Concen: 14.548 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:112 Resp: 441143
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

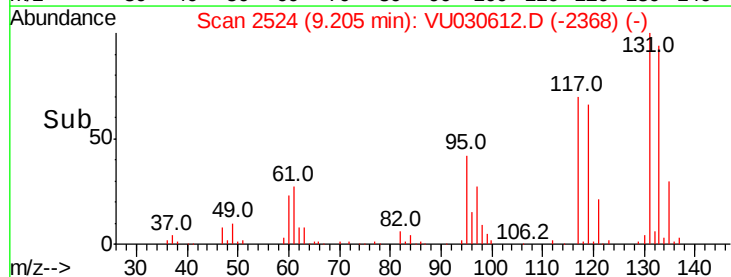
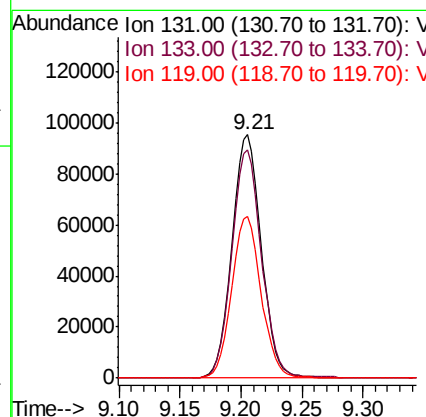
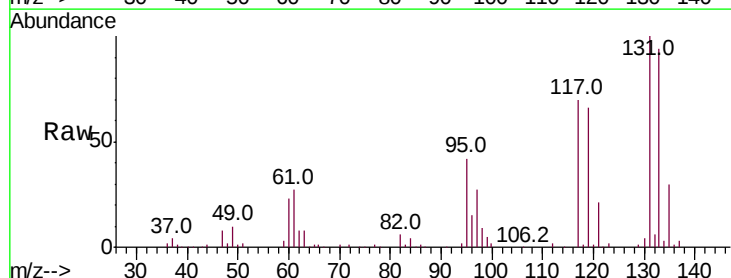
Manual Integrations
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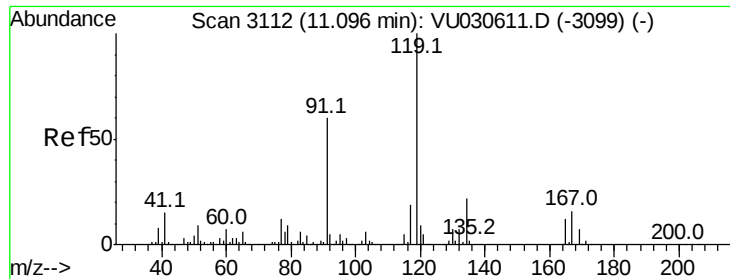
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#60
1,1,1,2-Tetrachloroethane
Concen: 14.872 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:131 Resp: 160803
Ion Ratio Lower Upper
131 100
133 94.8 75.0 112.6
119 67.0 52.2 78.2





#61

Pentachloroethane

Concen: 14.846 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 123839

Ion Ratio Lower Upper

117 100

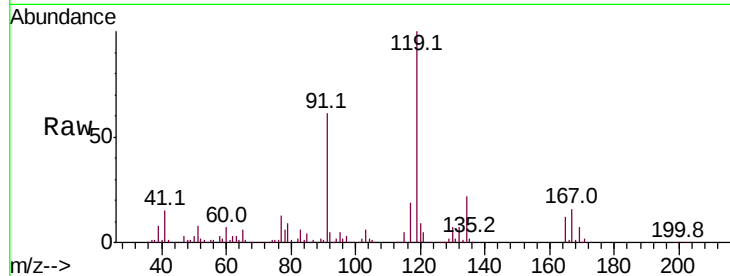
167 79.8 65.6 98.4

Manual Integrations

APPROVED

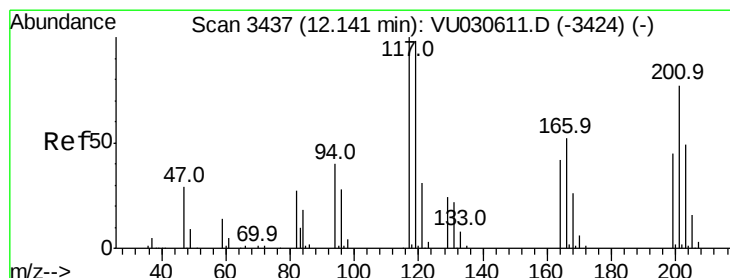
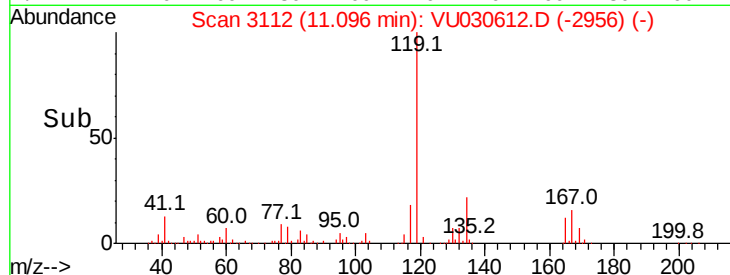
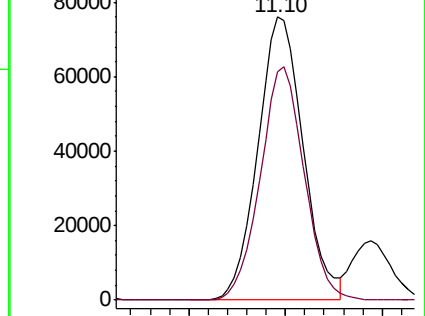
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 14.606 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030612.D

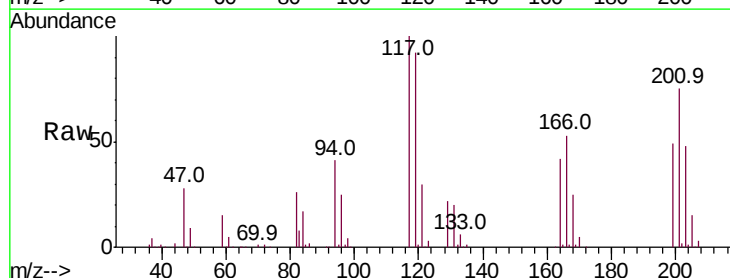
Acq: 02 Apr 2019 20:19

Tgt Ion:117 Resp: 120731

Ion Ratio Lower Upper

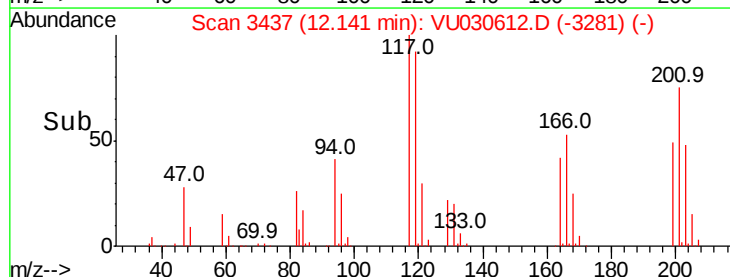
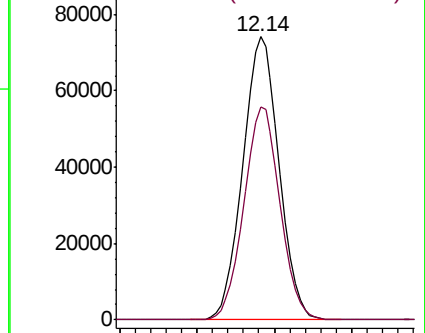
117 100

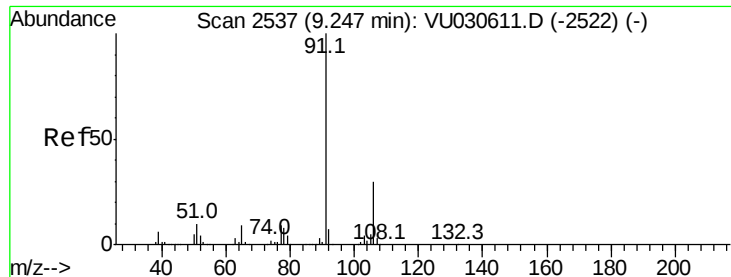
201 75.1 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





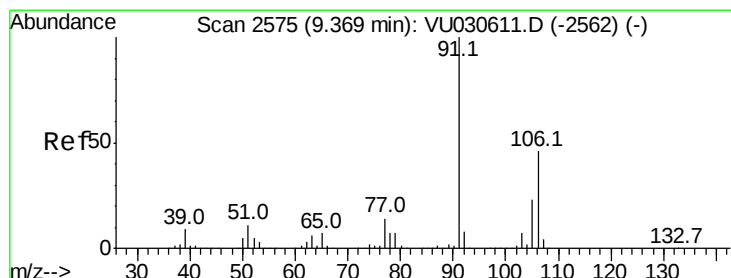
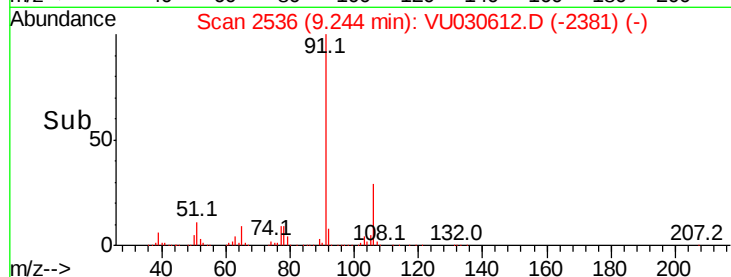
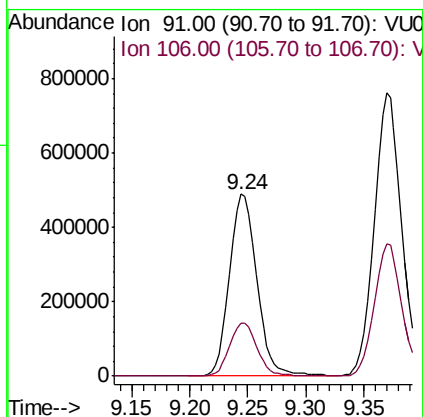
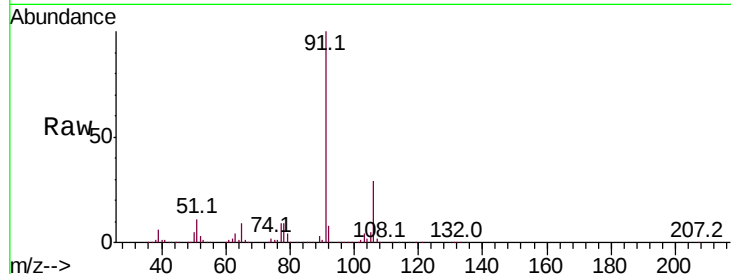
#63
Ethyl Benzene
Concen: 15.868 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 800145
Ion Ratio Lower Upper
91 100
106 29.2 23.7 35.5

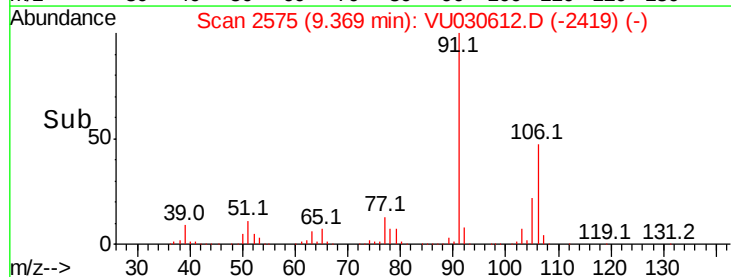
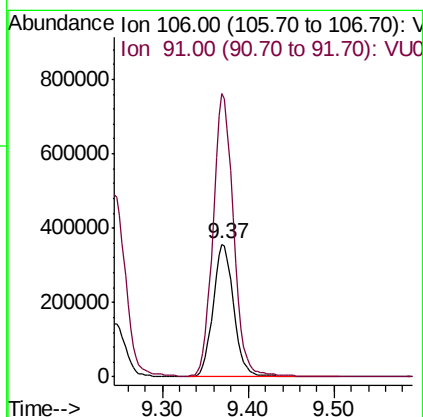
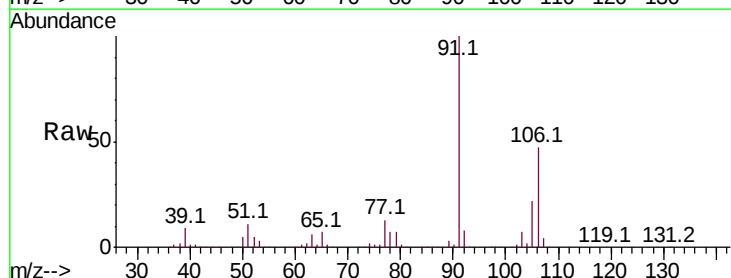
Manual Integrations
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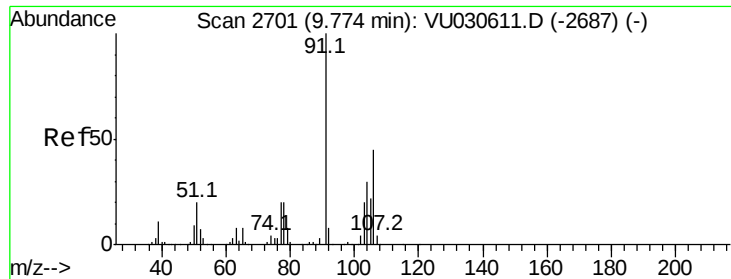
MMDadoda
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#64
m/p-Xylenes
Concen: 30.636 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion: 106 Resp: 597395
Ion Ratio Lower Upper
106 100
91 210.8 173.8 260.8





#65

o-Xylene

Concen: 14.624 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:106 Resp: 279608

Ion Ratio Lower Upper

106 100

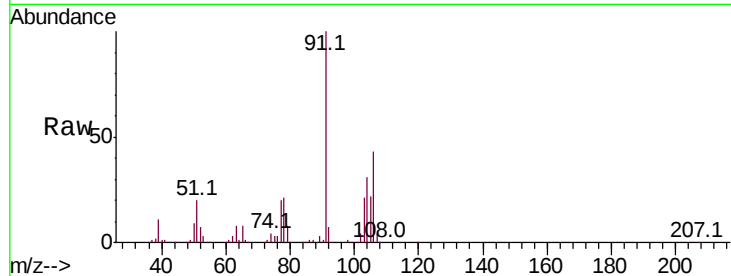
91 229.9 111.8 335.3

Manual Integrations

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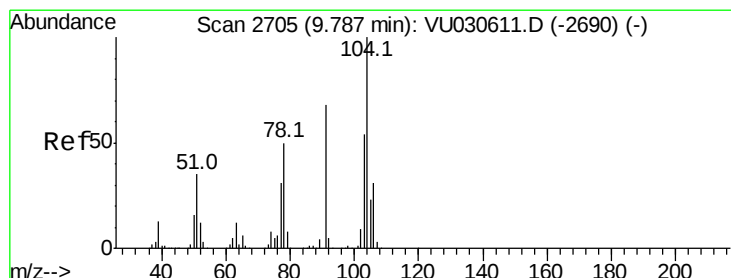
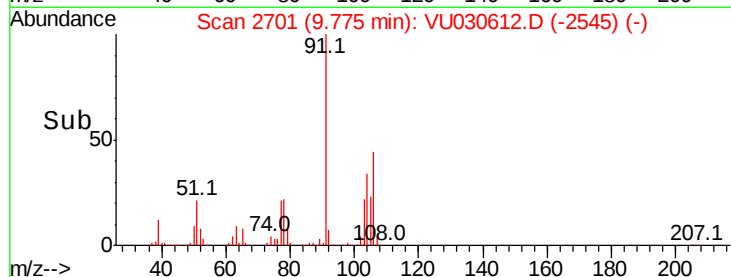
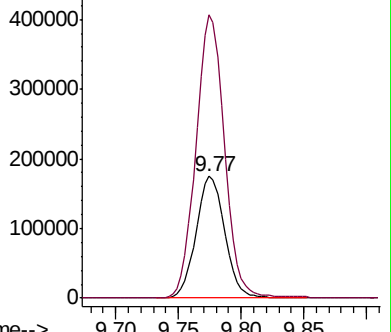
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 16.042 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

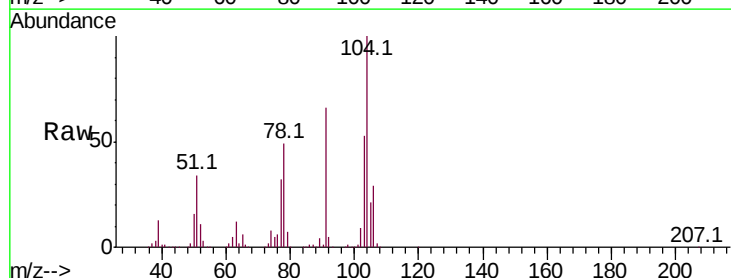
Tgt Ion:104 Resp: 506191

Ion Ratio Lower Upper

104 100

78 53.0 43.0 64.6

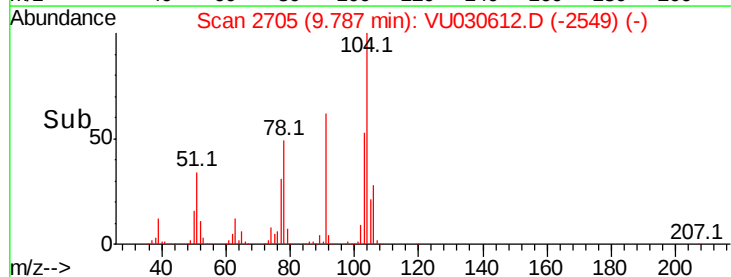
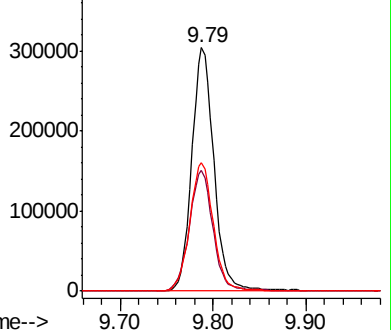
103 55.9 45.6 68.4

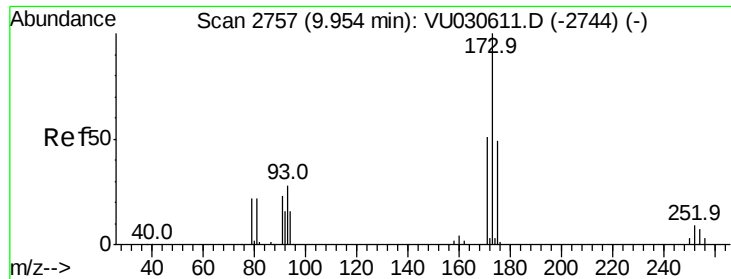


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





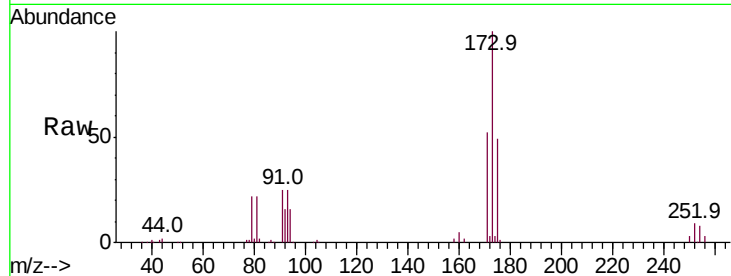
#67
Bromoform
Concen: 16.193 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

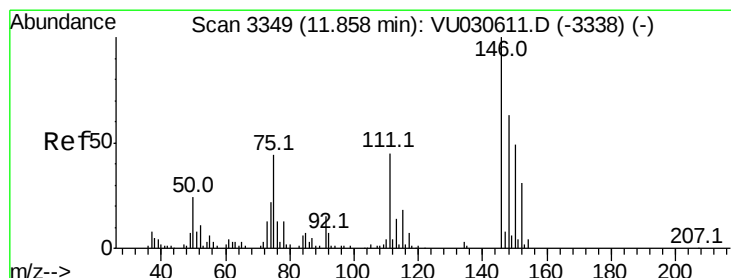
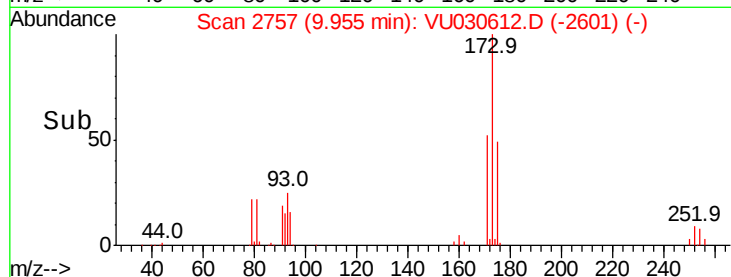
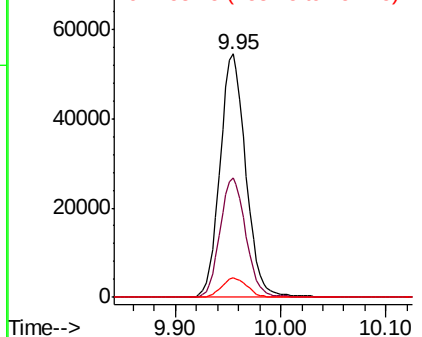
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	39.2	58.8
254	7.8	6.4	9.6

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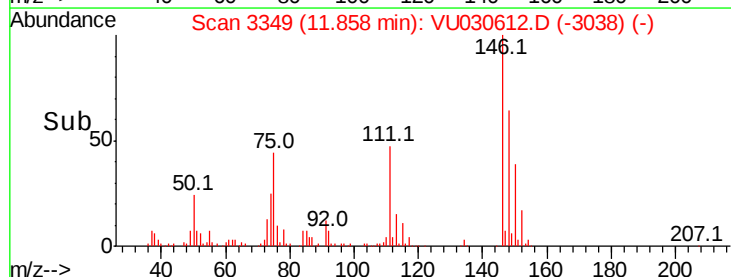
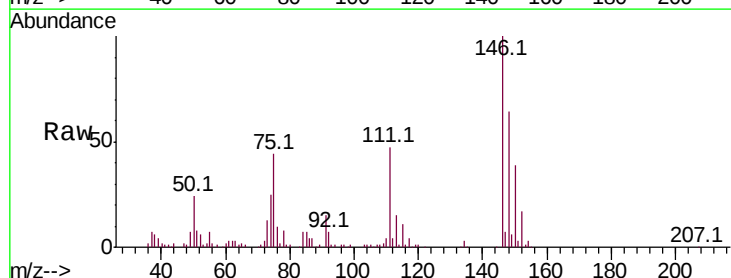
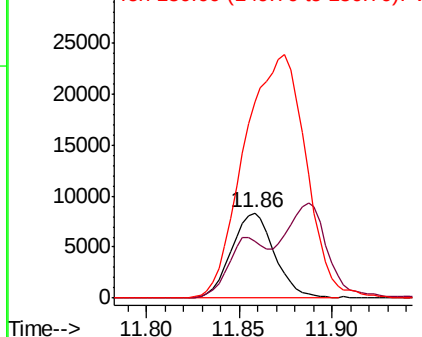
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

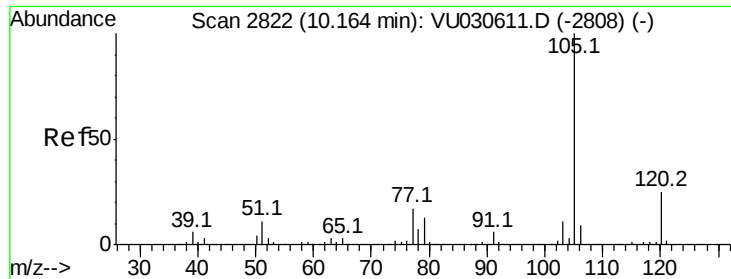


#68
1,2-Dichlorobenzene-d4
Concen: 16.193 ug/l
RT: 11.86 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.6	0.0	122.4
150	0.0	0.0	595.2

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





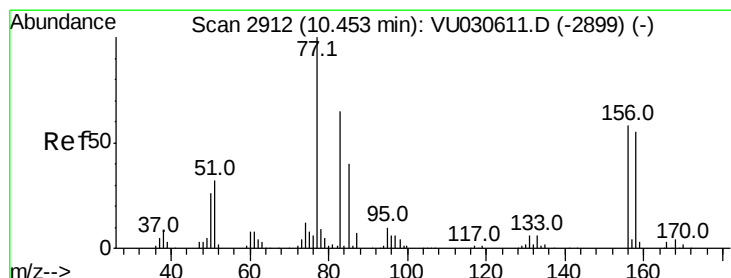
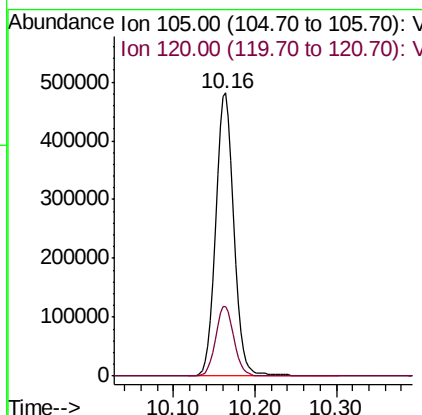
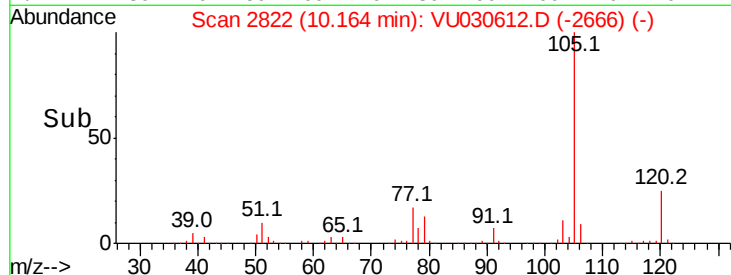
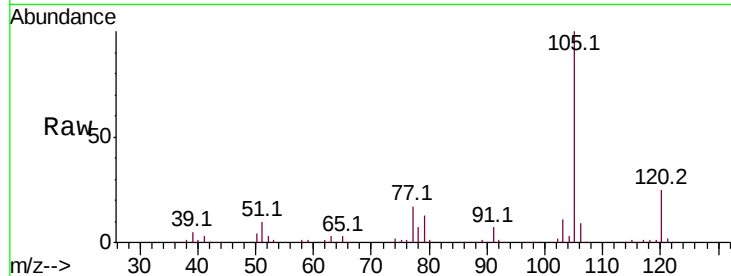
#69
Isopropylbenzene
Concen: 15.203 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.0	12.5	37.5

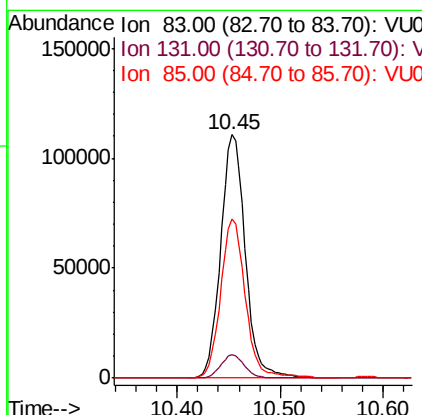
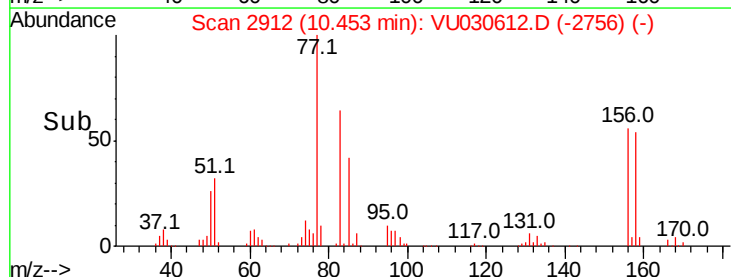
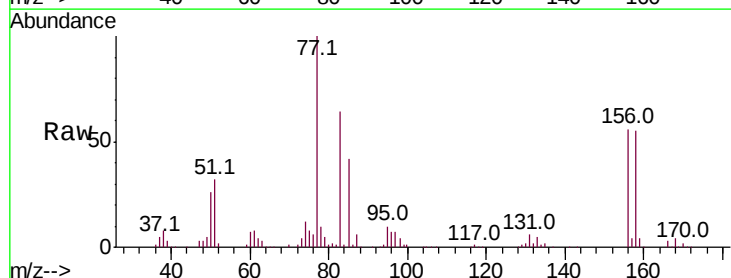
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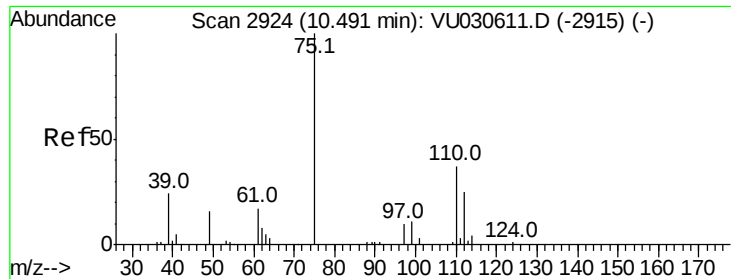
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#70
1,1,2,2-Tetrachloroethane
Concen: 17.482 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.2	7.5	11.3
85	65.5	50.0	75.0





#71

1,2,3-Trichloropropane

Concen: 17.343 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 137734
Ion Ratio Lower Upper

75 100

77 8.3 0.0 0.0#

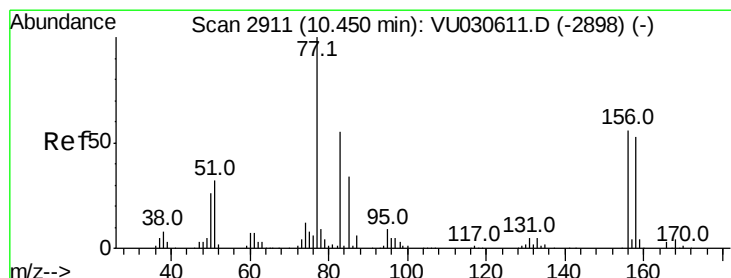
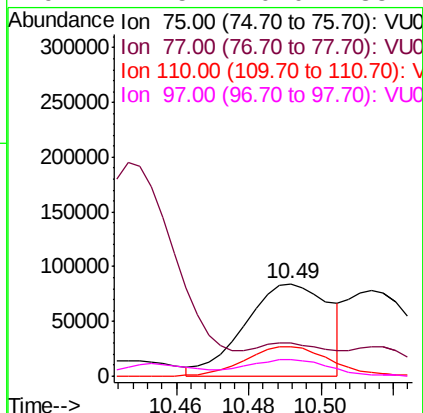
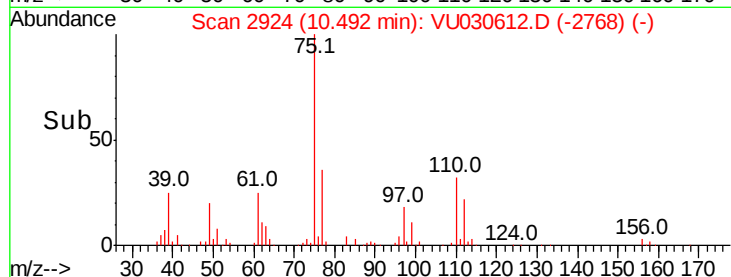
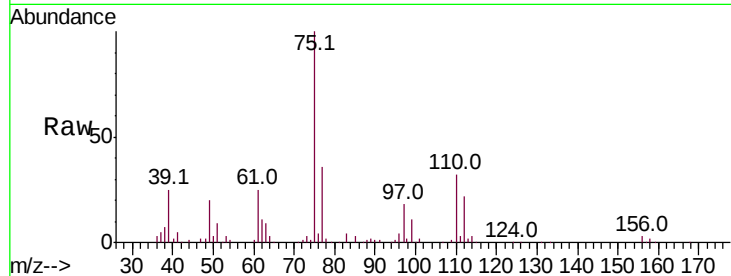
110 32.6 0.0 67.8

97 17.5 0.0 35.2

Manual Integrations
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#72

Bromobenzene

Concen: 13.528 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VU030612.D

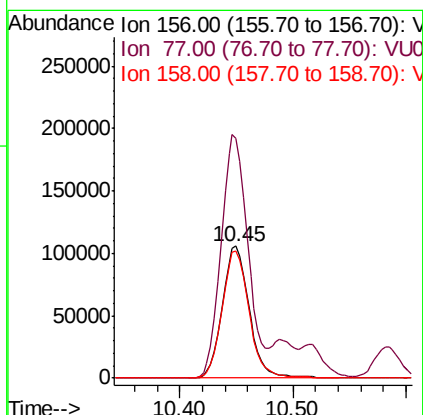
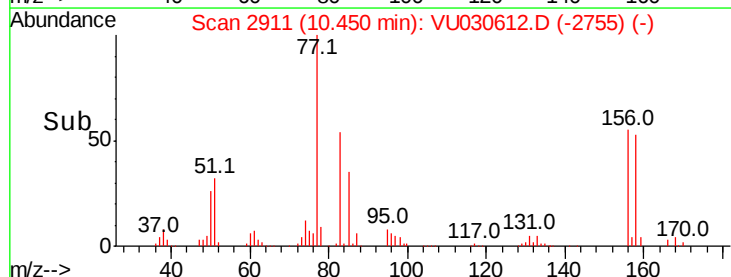
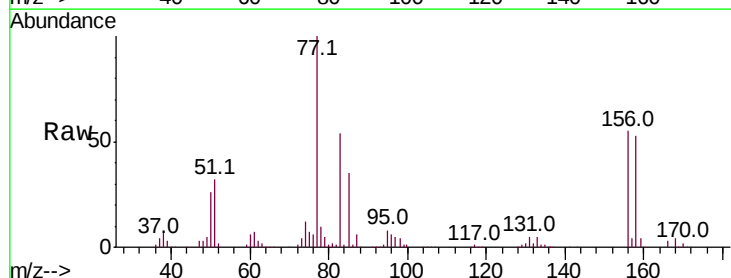
Acq: 02 Apr 2019 20:19

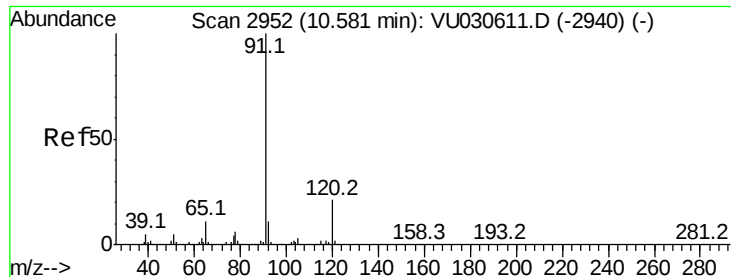
Tgt Ion: 156 Resp: 175266
Ion Ratio Lower Upper

156 100

77 185.0 0.0 362.2

158 96.7 0.0 192.4





#73

n-propylbenzene

Concen: 14.442 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 203326

Ion Ratio Lower Upper

120 100

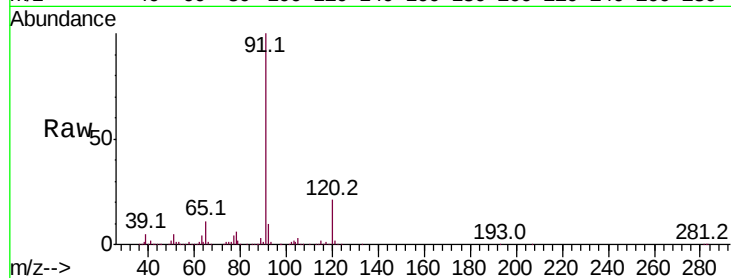
91 475.3 373.0 559.4

Manual Integrations

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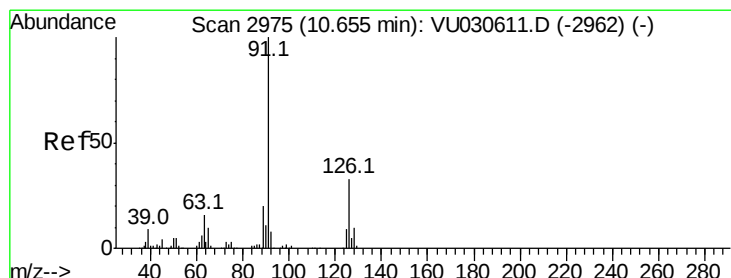
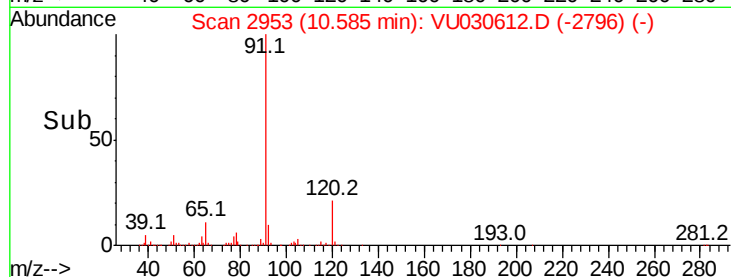
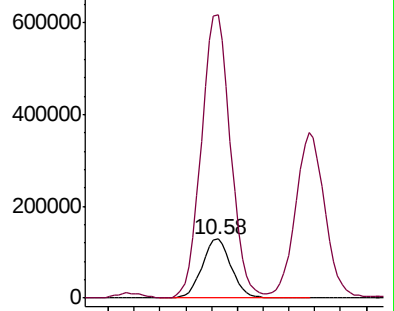
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 14.187 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030612.D

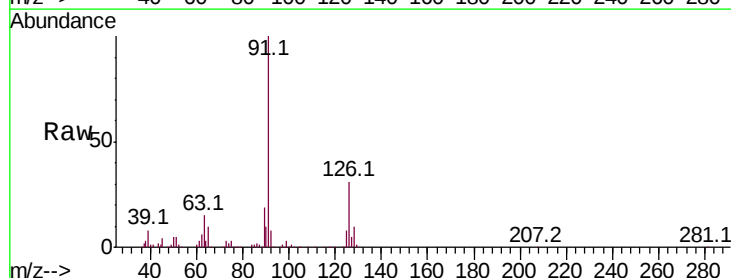
Acq: 02 Apr 2019 20:19

Tgt Ion:126 Resp: 175250

Ion Ratio Lower Upper

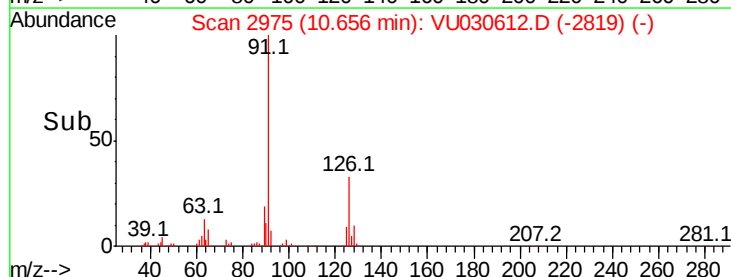
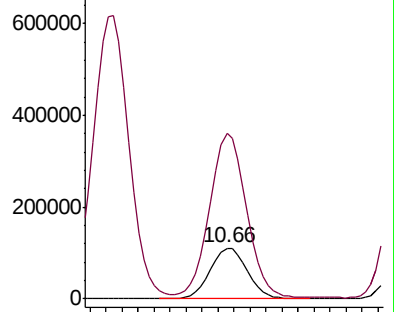
126 100

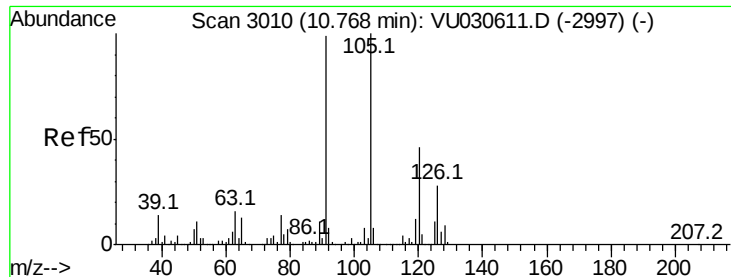
91 325.1 0.0 643.6



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: 15.228 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 649324

Ion Ratio Lower Upper

105 100

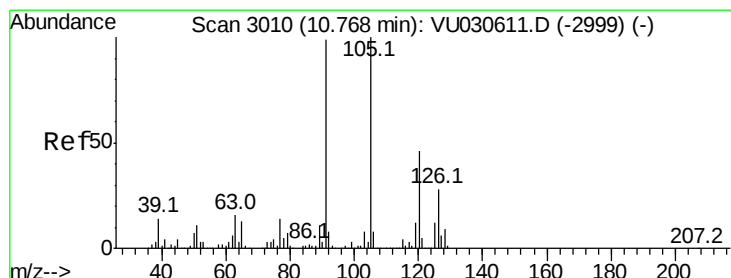
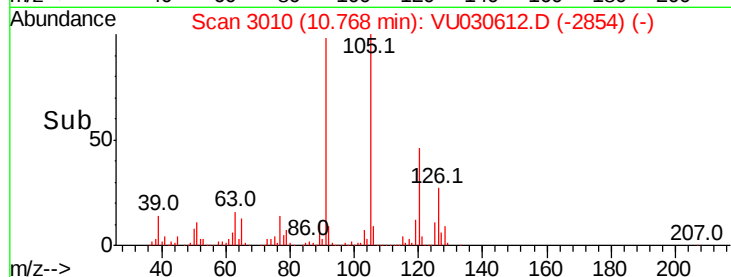
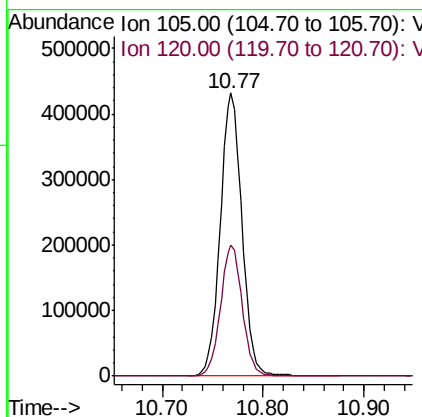
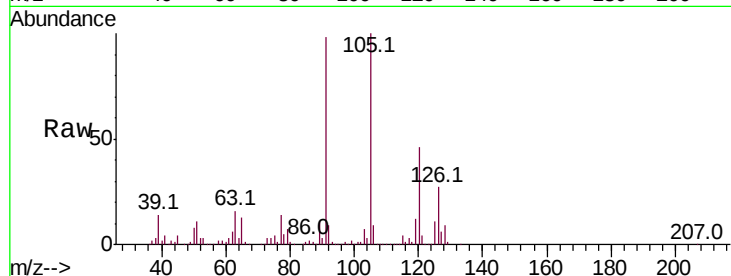
120 46.6 37.2 55.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 14.620 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030612.D

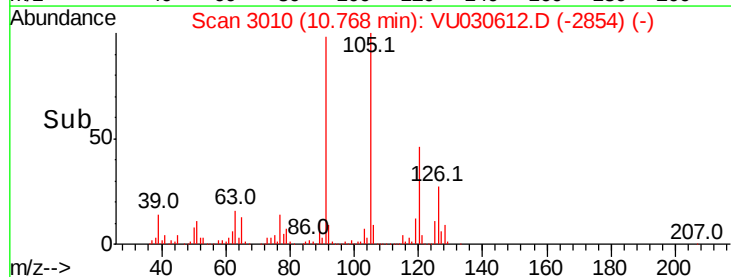
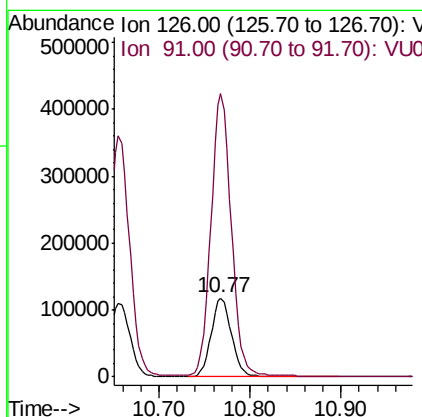
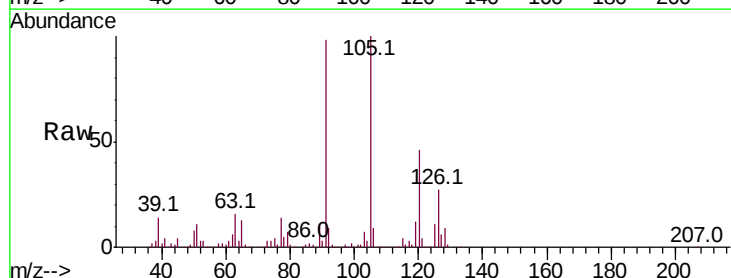
Acq: 02 Apr 2019 20:19

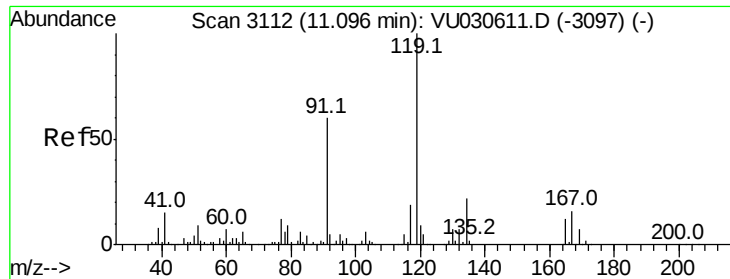
Tgt Ion:126 Resp: 184005

Ion Ratio Lower Upper

126 100

91 356.7 0.0 724.8





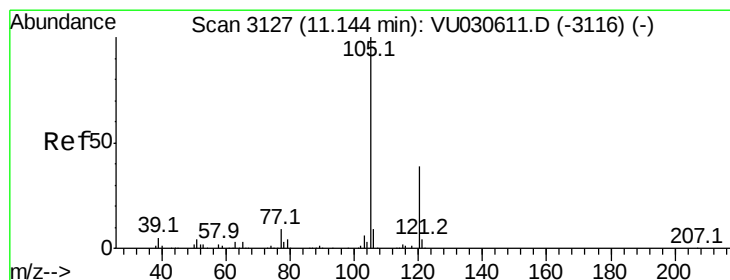
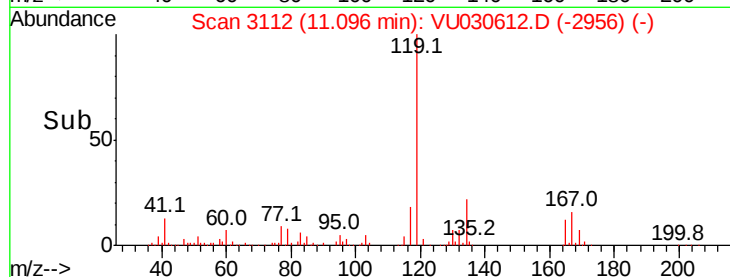
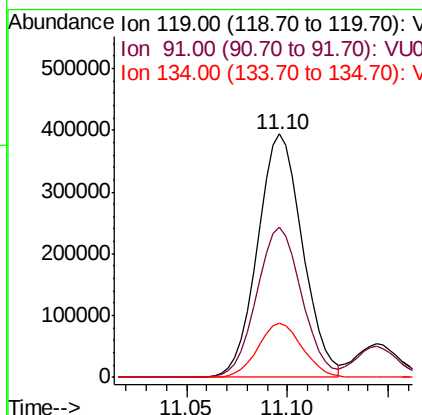
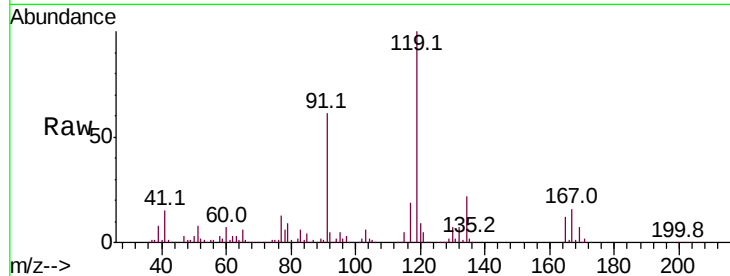
#77
tert-Butylbenzene
Concen: 14.737 ug/l
RT: 11.10 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.7	92.1
134	22.2	17.5	26.3

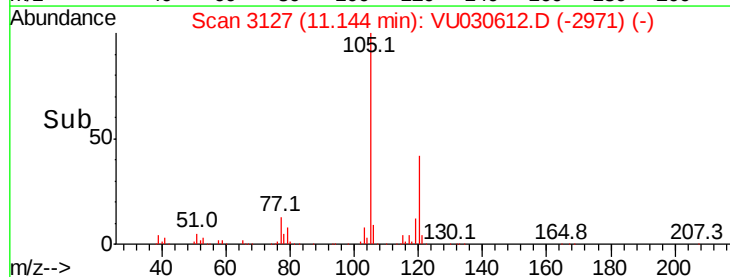
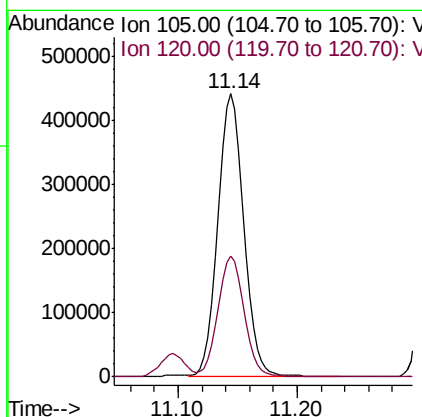
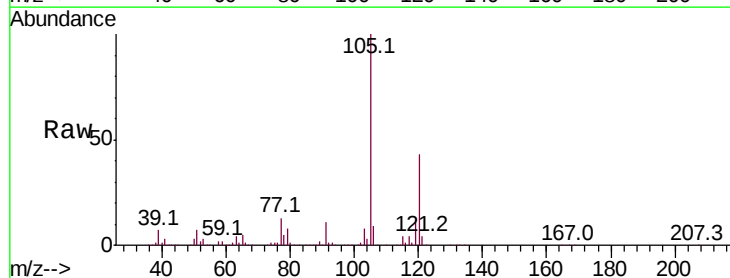
Manual Integrations
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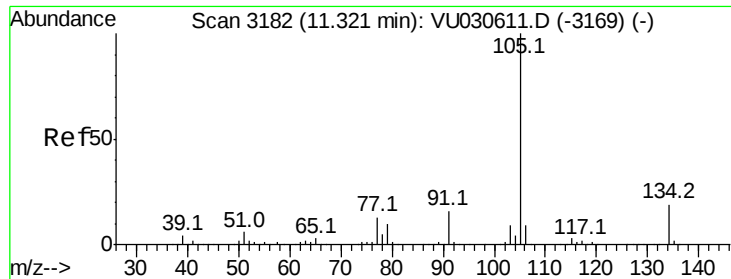
MMDadoda
4/3/2019 11:44:02 AM



#78
1,2,4-Trimethylbenzene
Concen: 15.394 ug/l
RT: 11.14 min Scan# 3127
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.5





#79

sec-Butylbenzene

Concen: 15.065 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 840445

Ion Ratio Lower Upper

105 100

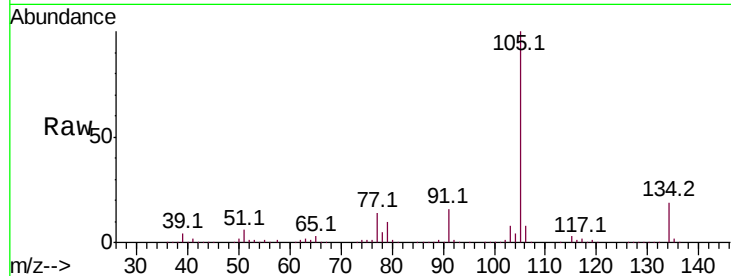
134 18.8 15.0 22.6

Manual Integrations

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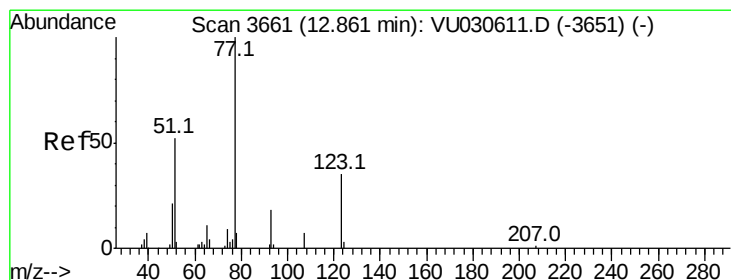
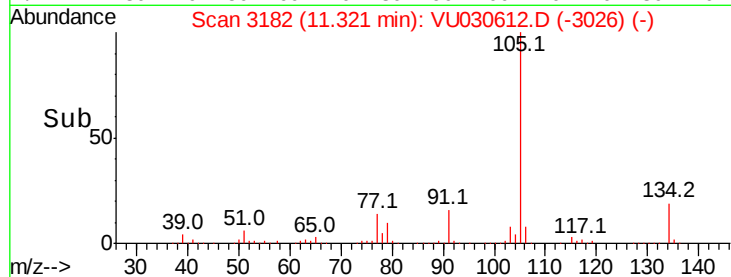
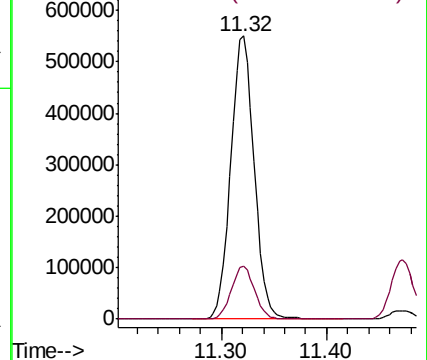
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 140.948 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

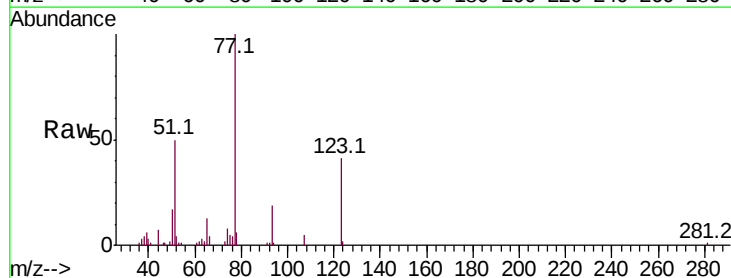
Tgt Ion: 77 Resp: 31198

Ion Ratio Lower Upper

77 100

123 38.5 16.5 58.5

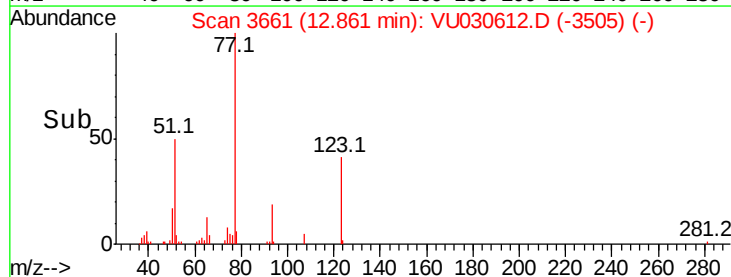
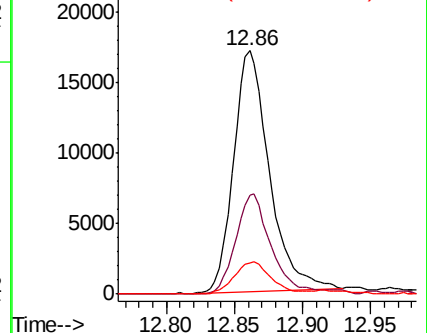
65 12.3 11.2 14.2

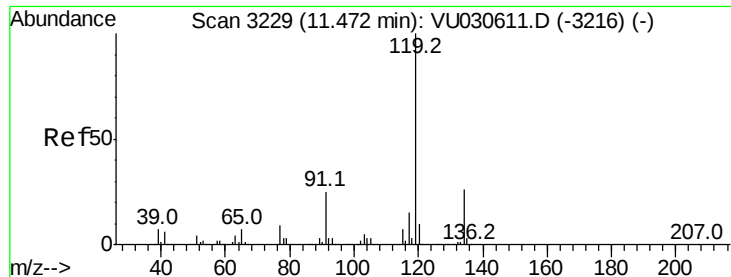


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81

p-Isopropyltoluene

Concen: 14.569 ug/l

RT: 11.47 min Scan# 3229

Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

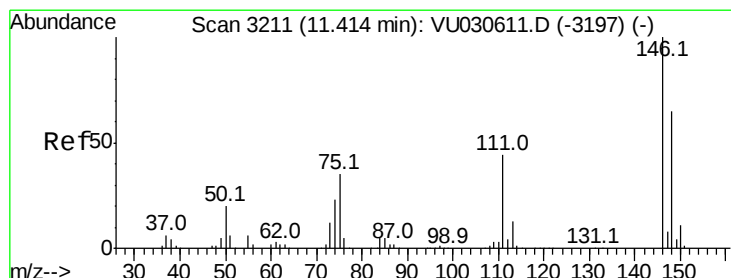
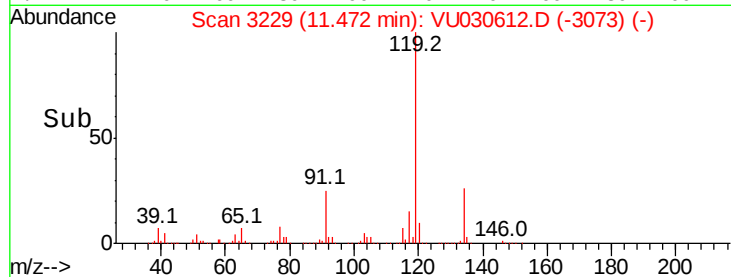
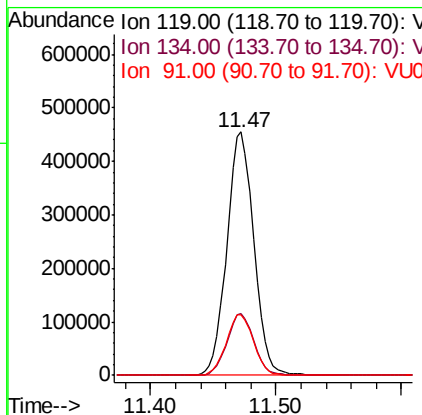
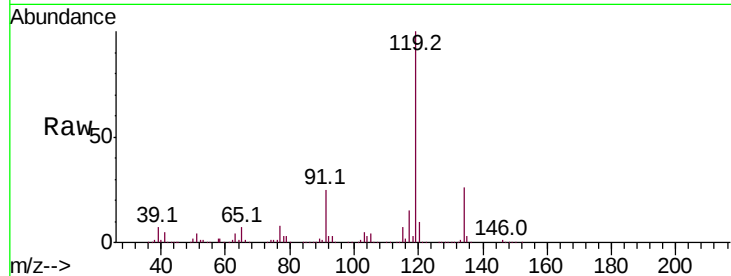
ClientSampleId :

VSTDIC015

Tot Ion:	119	Resp:	675595
Ion Ratio	Lower	Upper	
119	100		
134	25.5	20.3	30.5
91	25.3	20.2	30.4

Manual Integrations
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#82

1,3-Dichlorobenzene

Concen: 13.111 ug/l

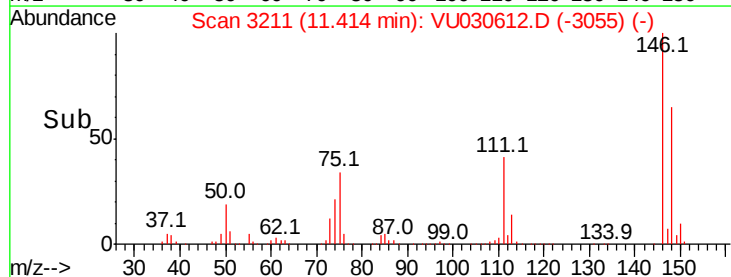
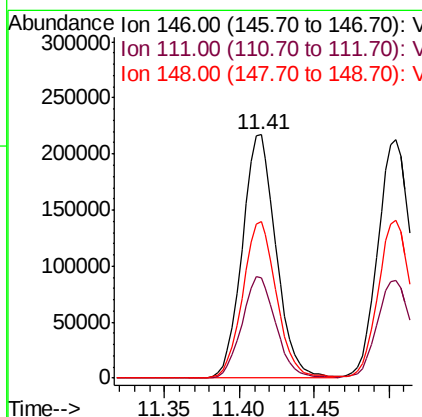
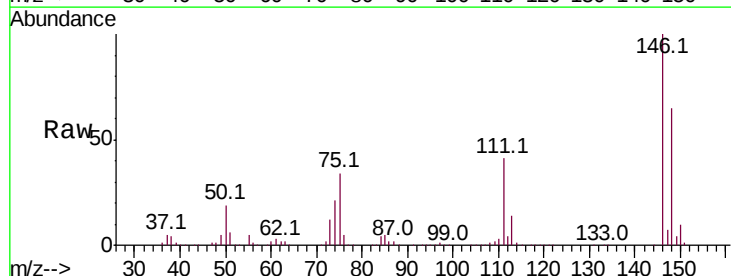
RT: 11.41 min Scan# 3211

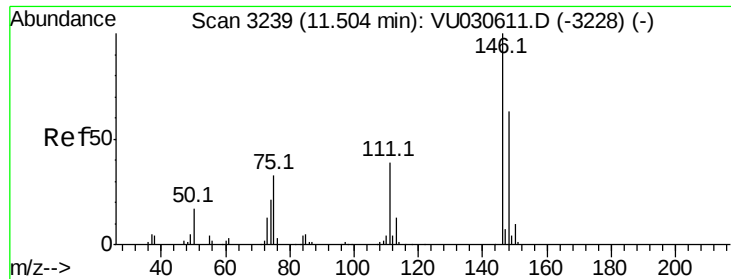
Delta R.T. 0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion:	146	Resp:	341485
Ion Ratio	Lower	Upper	
146	100		
111	41.8	34.6	51.8
148	64.3	51.3	76.9





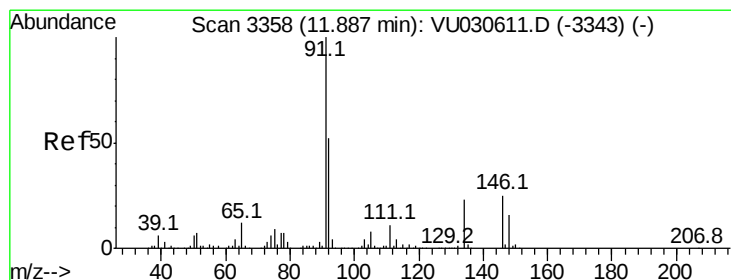
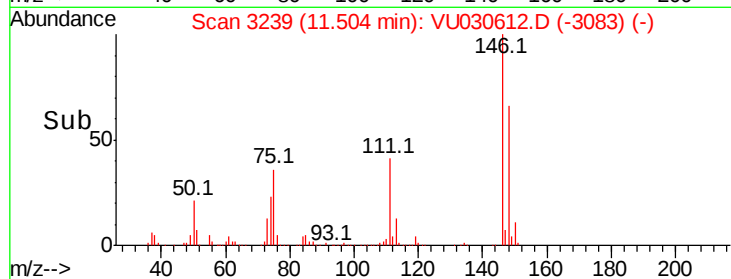
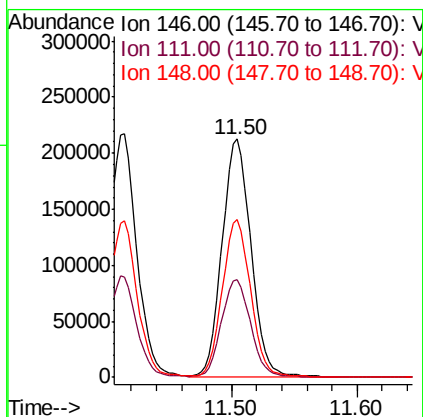
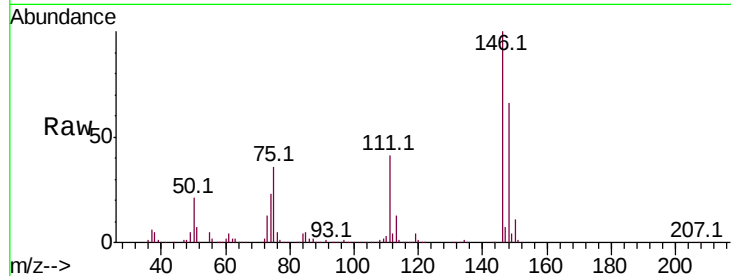
#83
1,4-Dichlorobenzene
Concen: 12.955 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339470		
111	41.4	32.2	48.2	
148	65.2	51.0	76.6	

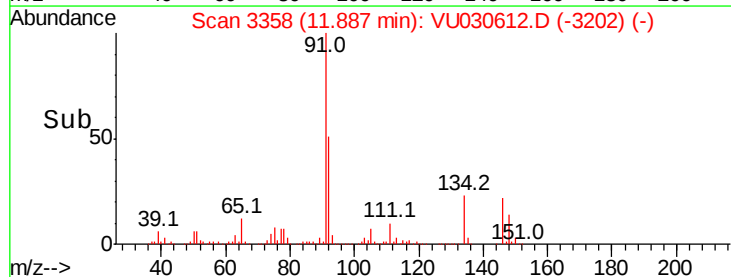
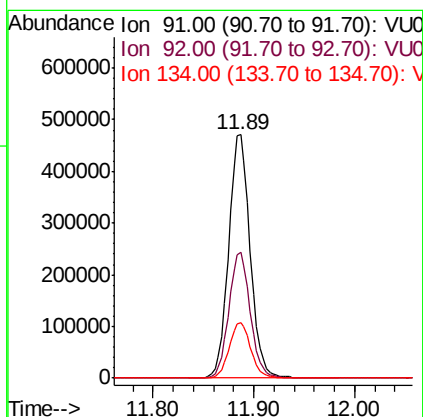
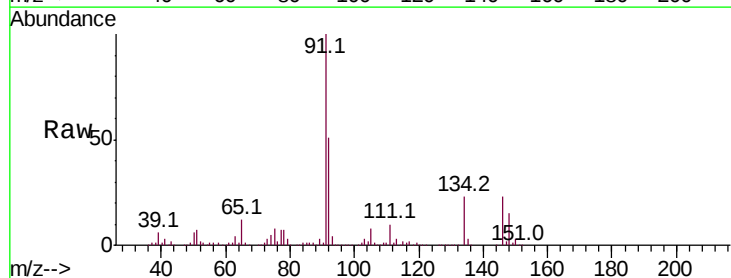
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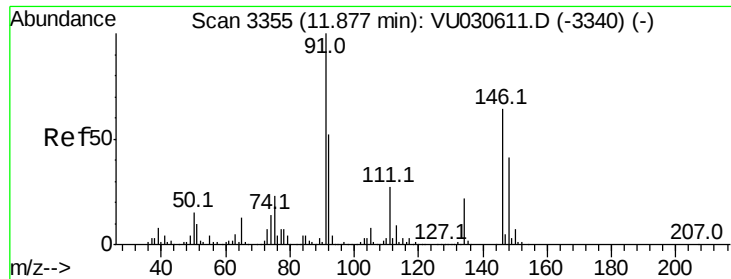
MMDadoda
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#84
n-Butylbenzene
Concen: 15.961 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	701983		
92	51.5	41.3	61.9	
134	22.9	18.2	27.4	





#85

1,2-Dichlorobenzene

Concen: 13.307 ug/l

RT: 11.87 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Instrument :

MSVOA_U

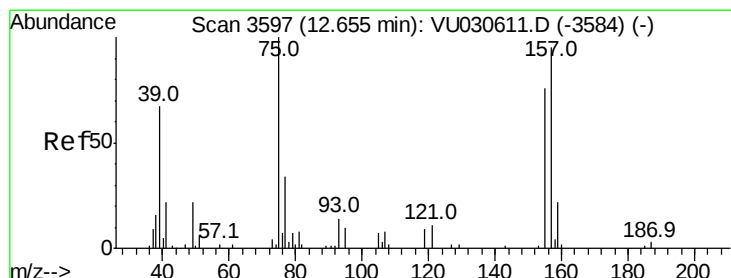
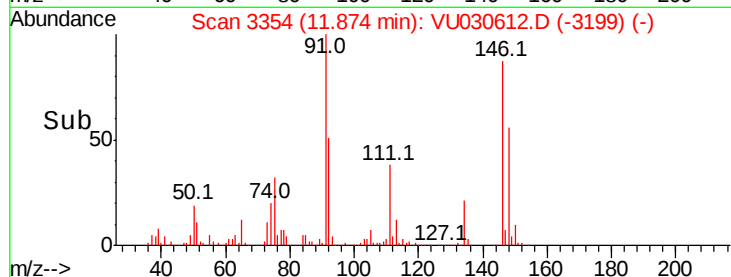
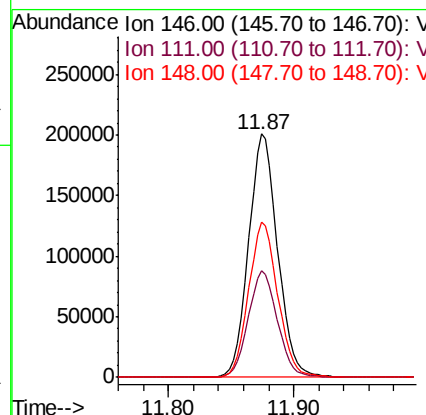
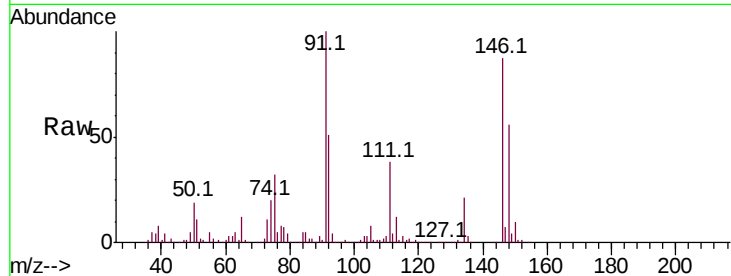
ClientSampleId :

VSTDIC015

Tot Ion:	146	Resp:	323187
Ion Ratio	Lower	Upper	
146	100		
111	44.0	21.8	65.3
148	64.3	31.7	95.1

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#86

1,2-Dibromo-3-Chloropropane

Concen: 19.893 ug/l

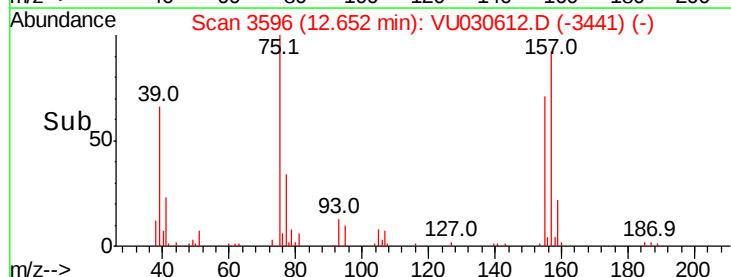
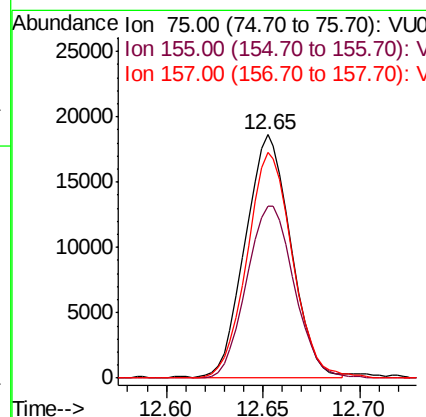
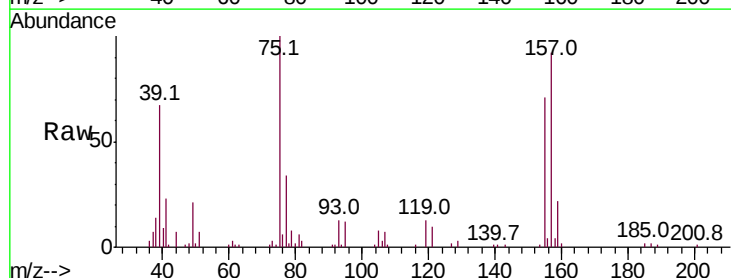
RT: 12.65 min Scan# 3596

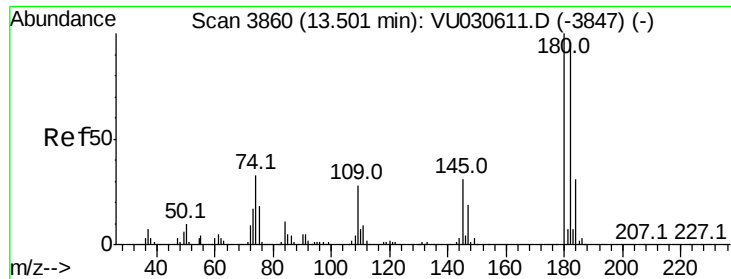
Delta R.T. -0.00 min

Lab File: VU030612.D

Acq: 02 Apr 2019 20:19

Tgt Ion:	75	Resp:	30579
Ion Ratio	Lower	Upper	
75	100		
155	73.8	61.3	91.9
157	92.6	77.4	116.0





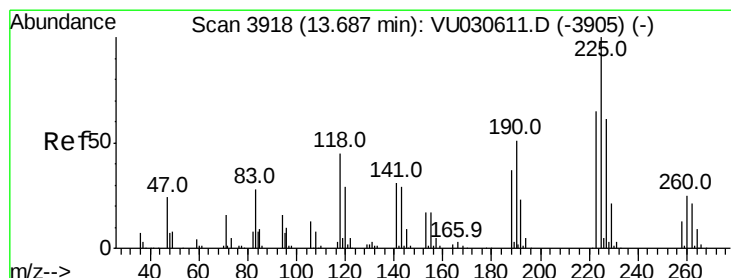
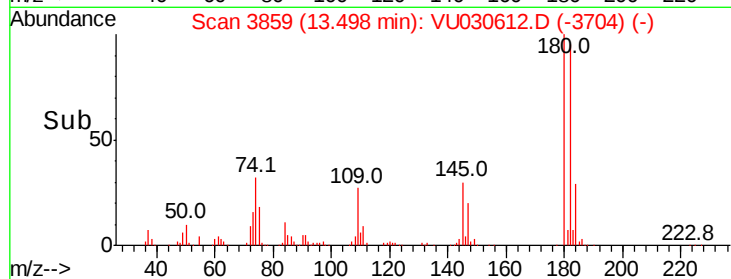
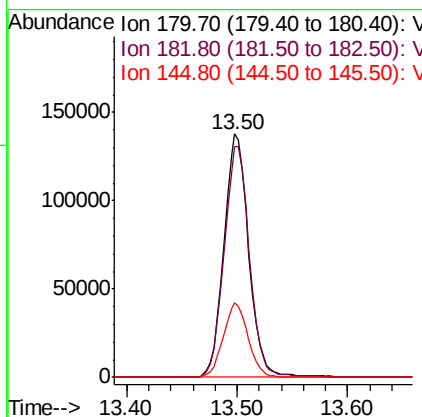
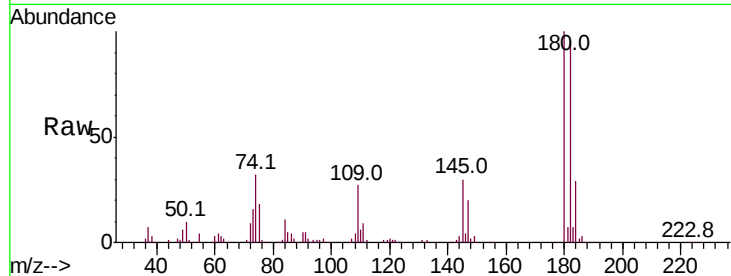
#87
 1,2,4-Trichlorobenzene
 Concen: 12.555 ug/l
 RT: 13.50 min Scan# 3859
 Delta R.T. -0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
180	100	215262		
182	96.8	78.2	117.4	
145	30.8	24.4	36.6	

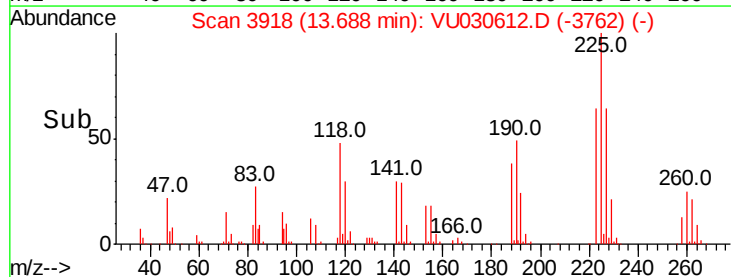
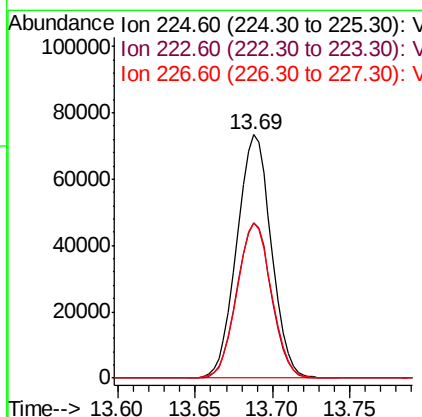
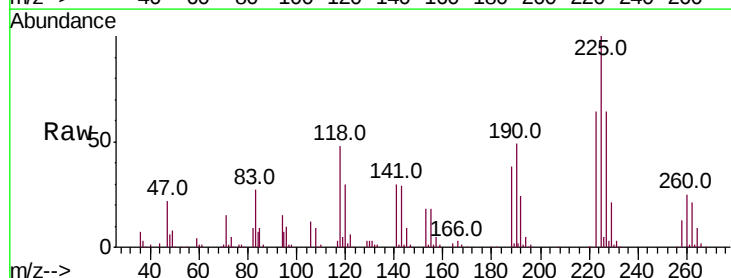
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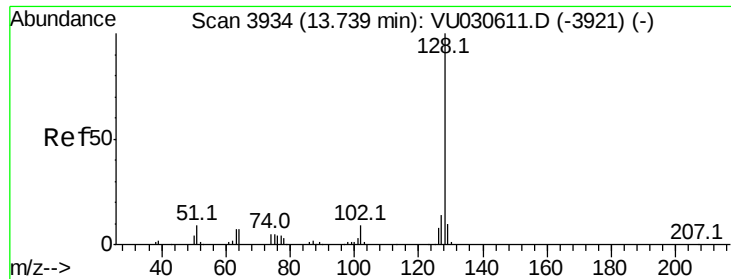
MMDadoda
 4/3/2019 11:44:02 AM



#88
 Hexachlorobutadiene
 Concen: 12.119 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030612.D
 Acq: 02 Apr 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113655		
223	63.6	52.6	78.8	
227	63.8	50.5	75.7	





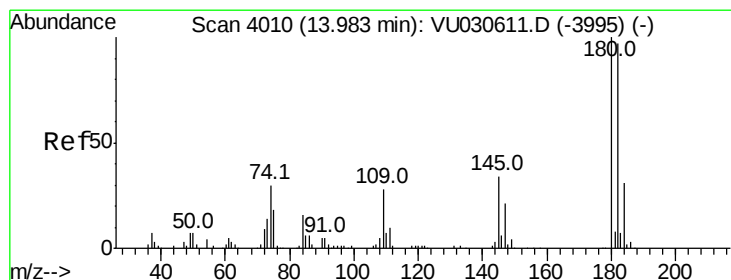
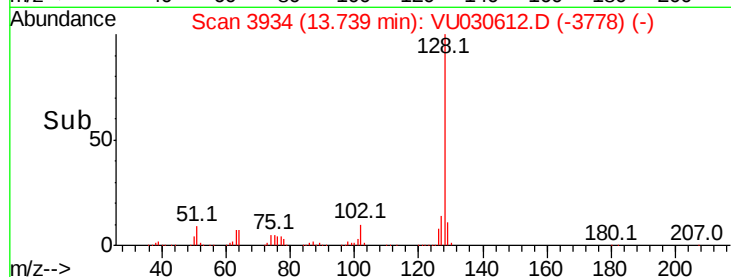
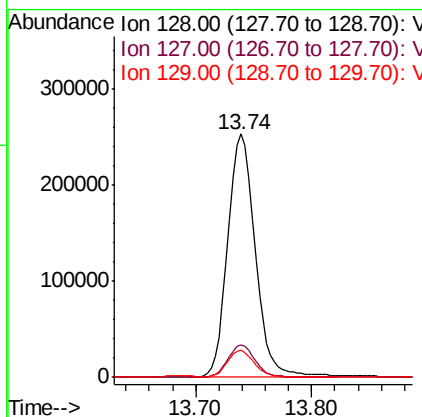
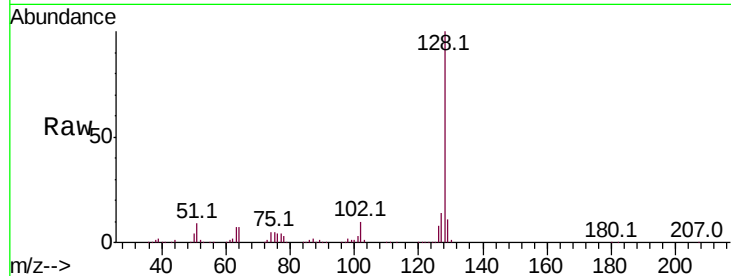
#89
Naphthalene
Concen: 15.361 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion:	128	Resp:	416065
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.7	16.1
129	10.7	8.5	12.7

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 13.082 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. 0.00 min
Lab File: VU030612.D
Acq: 02 Apr 2019 20:19

Tgt Ion:	180	Resp:	205491
Ion Ratio	Lower	Upper	
180	100		
182	94.7	77.4	116.0
145	32.2	26.2	39.2

