

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U040219\
 Data File : VU030615.D
 Acq On : 02 Apr 2019 22:35
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:43:52 AM

Quant Time: Apr 03 02:22:46 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	33248	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	11401	0.93	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10839	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						Ovalue
2) Dichlorodifluoromethane	1.21	85	13920	1.111	ug/l	94
3) Chloromethane	1.33	50	17903	1.260	ug/l	95
4) Vinyl Chloride	1.40	62	16234	1.294	ug/l	99
5) Bromomethane	1.63	94	8764	1.268	ug/l	96
6) Chloroethane	1.70	64	9357	1.301	ug/l	97
7) Trichlorofluoromethane	1.88	101	18944	1.184	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	9668	1.128	ug/l	97
9) 1,1-Dichloroethene	2.28	96	9826	1.162	ug/l	95
10) Iodomethane	2.41	142	10994	1.391	ug/l	100
11) Allyl Chloride	2.59	41	19975	1.520	ug/l	96
12) Acrylonitrile	2.94	53	6668	3.346	ug/l	97
13) Acetone	2.32	43	14263	8.114	ug/l	90
14) Carbon Disulfide	2.47	76	34129	1.152	ug/l	98
15) Methylene Chloride	2.70	84	14616	1.439	ug/l	89
16) trans-1,2-Dichloroethene	2.98	96	11316	1.166	ug/l	99
17) 1,1-Dichloroethane	3.44	63	22408	1.314	ug/l	97
18) 2-Butanone	4.29	43	17582	7.177	ug/l	94
19) Cyclohexane	4.99	56	16766m	1.148	ug/l	
20) Methylcyclohexane	6.41	83	14854	0.969	ug/l	99
21) 2,2-Dichloropropane	4.23	77	15854	1.117	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	10374	0.960	ug/l	87
23) Diethyl Ether	2.10	59	9638	1.442	ug/l	99
24) tert-Butyl Alcohol	2.83	59	11691	15.807	ug/l	96
25) Methyl tert-Butyl Ether	3.00	73	29335	1.322	ug/l	95
26) Bromochloromethane	4.54	128	4426	0.941	ug/l	90
27) Chloroform	4.67	83	21366	1.210	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	16814	1.165	ug/l	98
29) 1,1-Dichloropropene	5.13	75	15105	1.152	ug/l	97
30) Carbon Tetrachloride	5.13	117	14102	1.097	ug/l	93
31) Isopropyl Ether	3.57	45	36076	1.445	ug/l	96
32) Ethyl-t-butyl ether	4.07	59	28029	1.213	ug/l	95
33) Tert-Amyl methyl ether	5.58	73	22748	1.097	ug/l	99
34) Propionitrile	4.34	54	3980	5.946	ug/l #	89
35) Benzene	5.39	78	42654	1.113	ug/l	95
36) 1,2-Dichloroethane	5.41	62	13988	1.314	ug/l #	91
37) Trichloroethene	6.18	130	10069	0.939	ug/l	93
38) 1,2-Dichloropropane	6.43	63	12093	1.212	ug/l	97
39) Methacrylonitrile	4.56	41	4344	1.451	ug/l #	64
40) Methyl acrylate	4.44	55	4163	0.917	ug/l #	83
41) Tetrahydrofuran	4.65	42	4220	2.556	ug/l	95
42) 1-Chlorobutane	5.06	56	22551	1.271	ug/l	98

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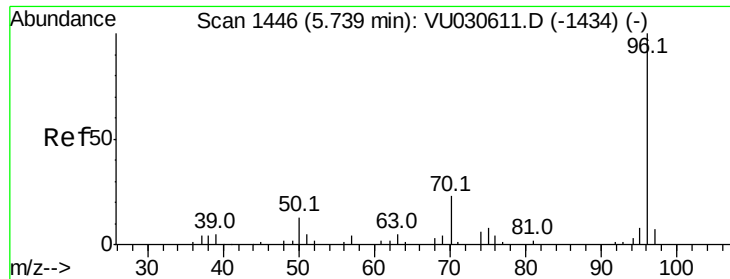
Manual Integrations
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 QLast Update : Wed Apr 03 01:47:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	5799	1.140	ug/l	99
44) Bromodichloromethane	6.76	83	15584	1.273	ug/l	93
45) 4-Methyl-2-Pentanone	7.47	43	38493	6.989	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	5200m	2.589	ug/l	
47) Methyl methacrylate	6.63	69	8896	2.034	ug/l	91
48) Ethyl methacrylate	8.03	69	8287	1.022	ug/l	99
49) Toluene	7.64	92	21057	0.924	ug/l	94
50) t-1,3-Dichloropropene	7.88	75	11164	1.022	ug/l	93
51) cis-1,3-Dichloropropene	7.27	75	14643	1.076	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	8301	1.162	ug/l	98
53) 1,3-Dichloropropane	8.24	76	13815	1.138	ug/l	97
54) 2-Hexanone	8.37	43	24794	6.344	ug/l	91
55) Dibromochloromethane	8.47	129	9088	1.070	ug/l	97
56) 1,2-Dibromoethane	8.59	107	7249	1.064	ug/l	94
58) Tetrachloroethene	8.22	164	9616	0.995	ug/l	95
59) Chlorobenzene	9.12	112	24680	0.960	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	9933	1.084	ug/l	97
61) Pentachloroethane	11.10	117	7792	1.102	ug/l	92
62) Hexachloroethane	12.14	117	6967	0.995	ug/l	100
63) Ethyl Benzene	9.25	91	38795	0.908	ug/l	96
64) m/p-Xylenes	9.37	106	27604	1.670	ug/l	93
65) o-Xylene	9.78	106	13912	0.859	ug/l	96
66) Styrene	9.79	104	22350	0.836	ug/l	99
67) Bromoform	9.95	173	5053	1.048	ug/l	96
69) Isopropylbenzene	10.16	105	35954	0.846	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	10450	1.170	ug/l #	99
71) 1,2,3-Trichloropropane	10.49	75	8996m	1.337	ug/l	
72) Bromobenzene	10.45	156	9578	0.872	ug/l	96
73) n-propylbenzene	10.58	120	9702	0.813	ug/l	99
74) 2-Chlorotoluene	10.66	126	8675	0.829	ug/l	97
75) 1,3,5-Trimethylbenzene	10.77	105	30294	0.838	ug/l	99
76) 4-Chlorotoluene	10.77	126	9261	0.868	ug/l	89
77) tert-Butylbenzene	11.10	119	29237	0.831	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	30123	0.819	ug/l	97
79) sec-Butylbenzene	11.32	105	40848	0.864	ug/l	99
81) p-Isopropyltoluene	11.47	119	31574	0.803	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	19382	0.878	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	19638	0.884	ug/l	99
84) n-Butylbenzene	11.89	91	31140	0.835	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	19089	0.928	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1862	1.429	ug/l	91
87) 1,2,4-Trichlorobenzene	13.51	180	9682	0.666	ug/l	97
88) Hexachlorobutadiene	13.69	225	6968	0.877	ug/l	98
89) Naphthalene	13.75	128	15826	0.689	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	11115	0.835	ug/l	87

(#) = 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

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Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 33248

Ion Ratio Lower Upper

96 100

70 23.0 18.5 27.7

95 8.9 0.0 0.0#

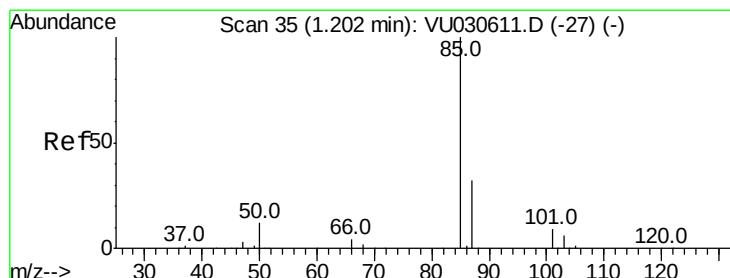
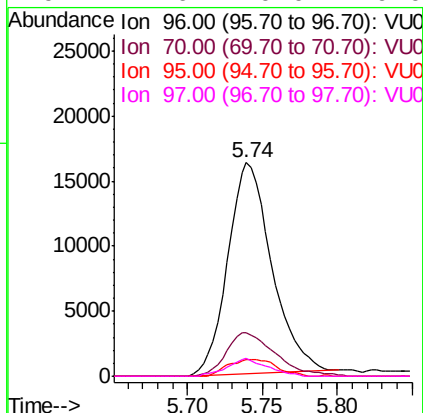
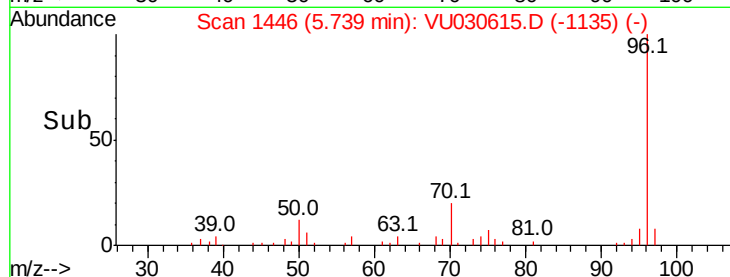
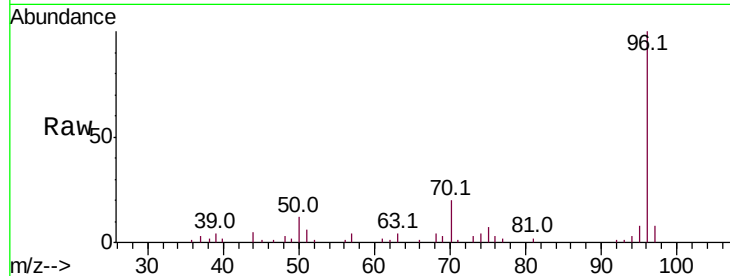
97 7.6 0.0 0.0#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 1.111 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030615.D

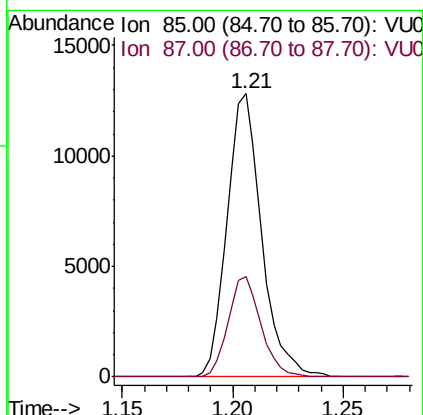
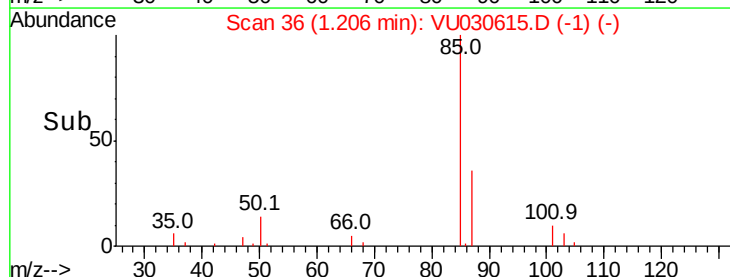
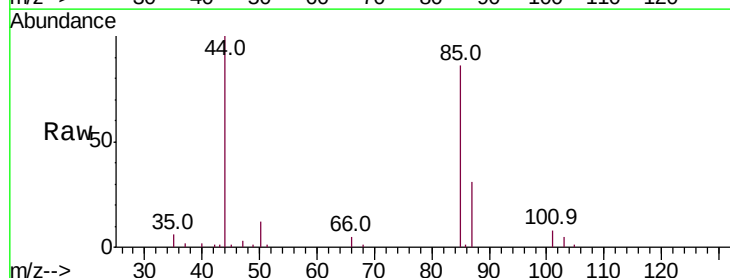
Acq: 02 Apr 2019 22:35

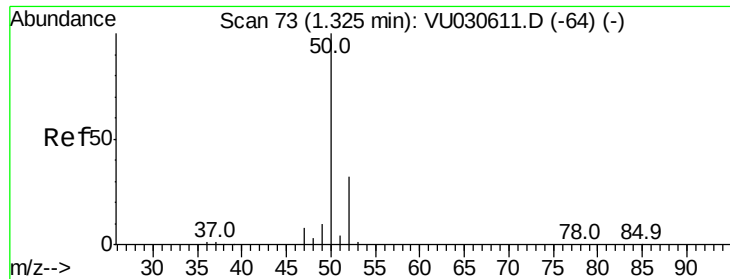
Tgt Ion: 85 Resp: 13920

Ion Ratio Lower Upper

85 100

87 35.5 16.1 48.3





#3

Chloromethane

Concen: 1.260 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 17903

Ion Ratio Lower Upper

50 100

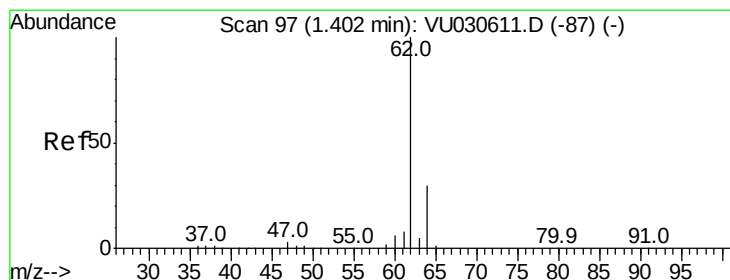
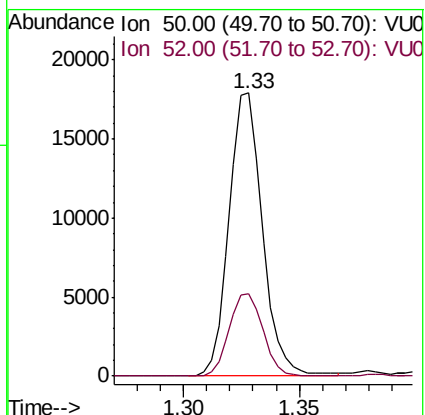
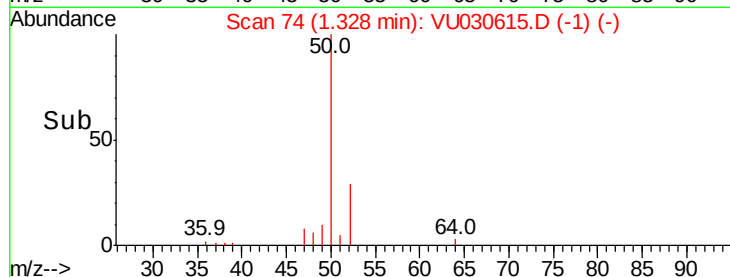
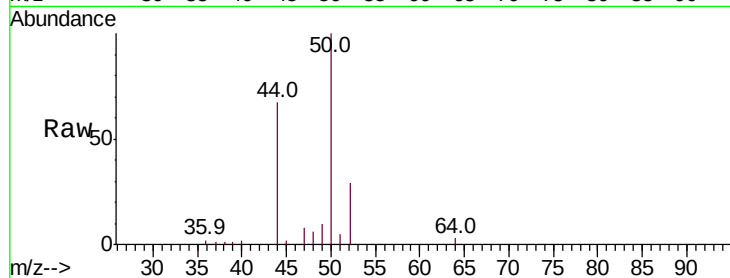
52 29.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.294 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030615.D

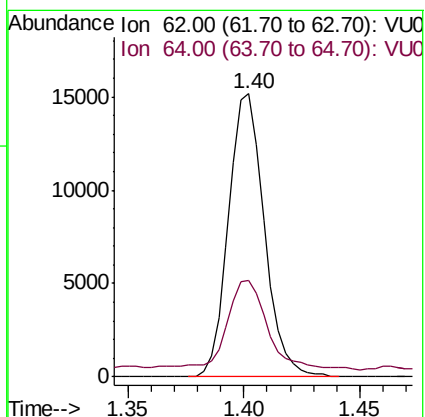
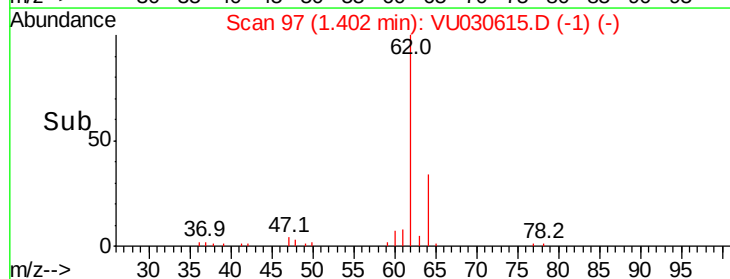
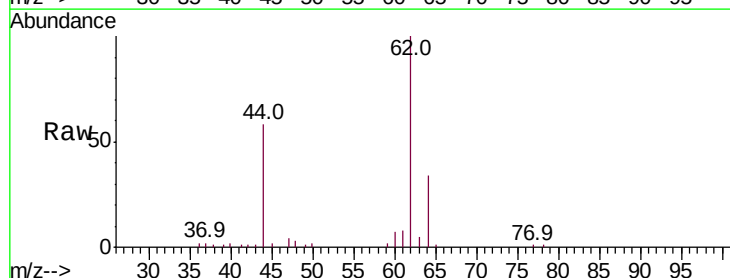
Acq: 02 Apr 2019 22:35

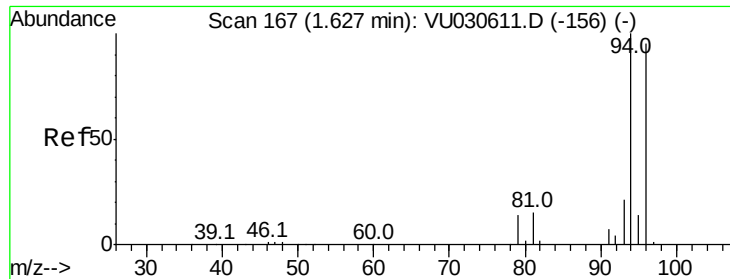
Tgt Ion: 62 Resp: 16234

Ion Ratio Lower Upper

62 100

64 30.8 24.3 36.5





#5

Bromomethane

Concen: 1.268 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 8764

Ion Ratio Lower Upper

94 100

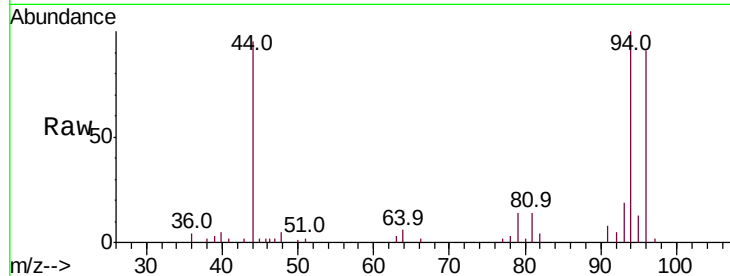
96 91.2 75.9 113.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU030611.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU030611.D (-156) (-)

1.63

8000

6000

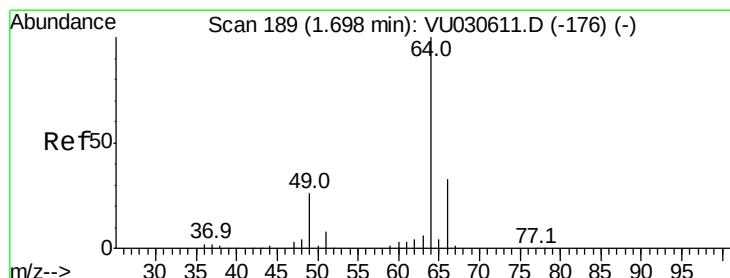
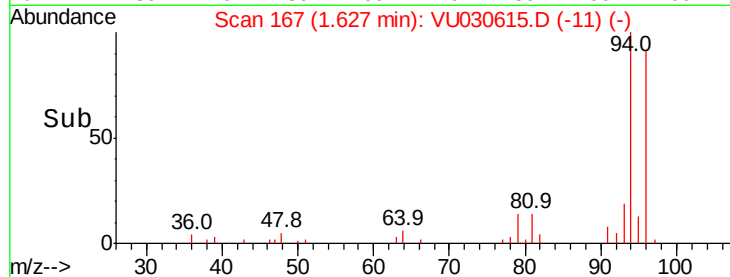
4000

2000

0

Time-->

1.60 1.65



#6

Chloroethane

Concen: 1.301 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030615.D

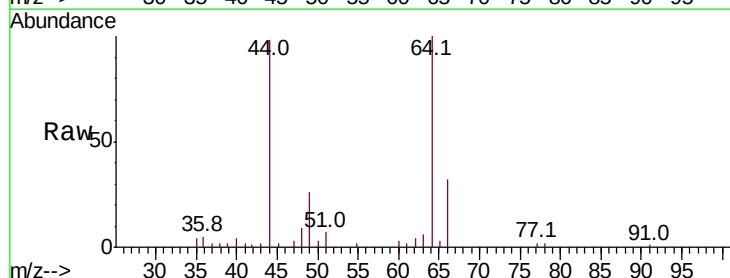
Acq: 02 Apr 2019 22:35

Tgt Ion: 64 Resp: 9357

Ion Ratio Lower Upper

64 100

66 34.2 26.2 39.2



Abundance Ion 64.00 (63.70 to 64.70): VU030611.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU030611.D (-176) (-)

1.70

8000

6000

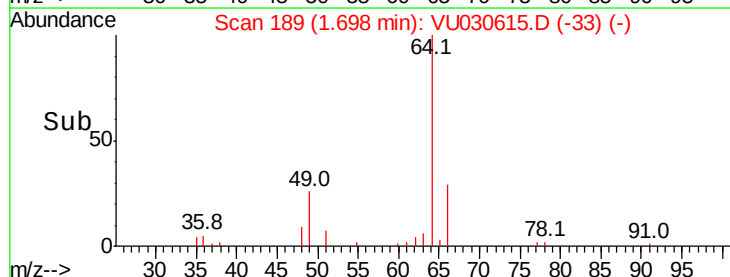
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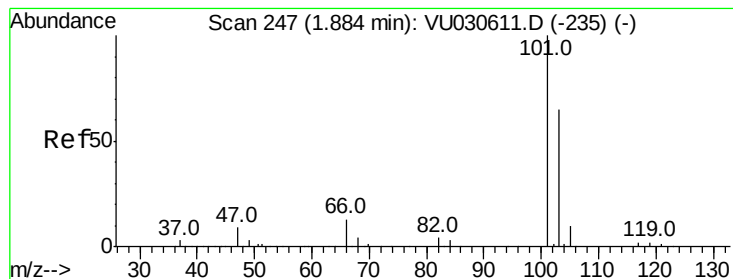
2000

0

Time-->

1.65 1.70





#7

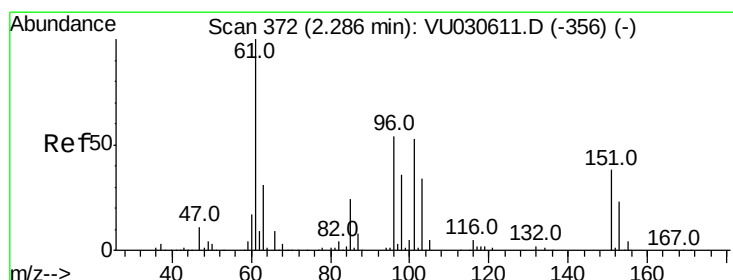
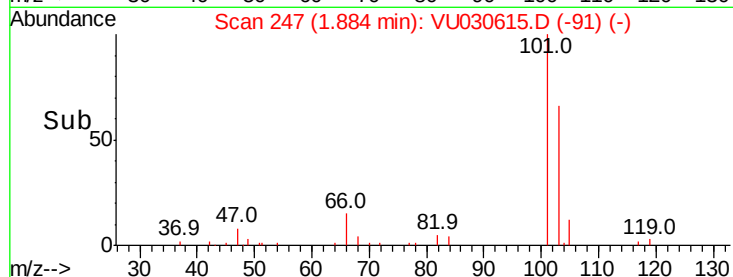
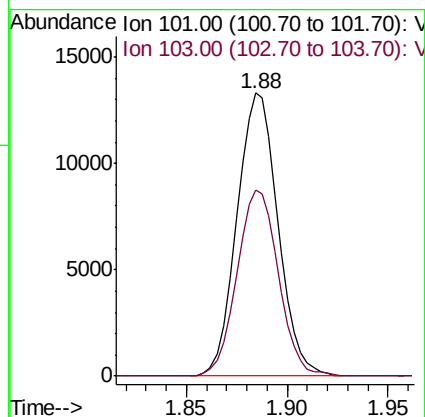
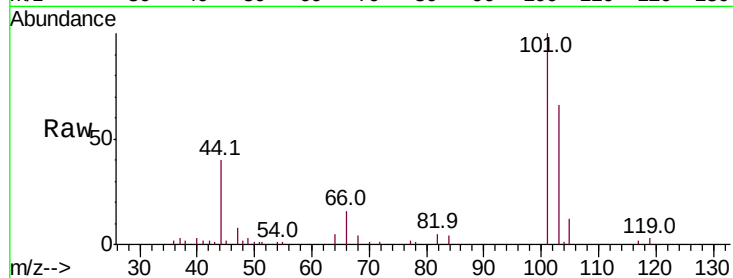
Trichlorofluoromethane
Concen: 1.184 ug/l
RT: 1.88 min Scan# 247
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.8	77.6

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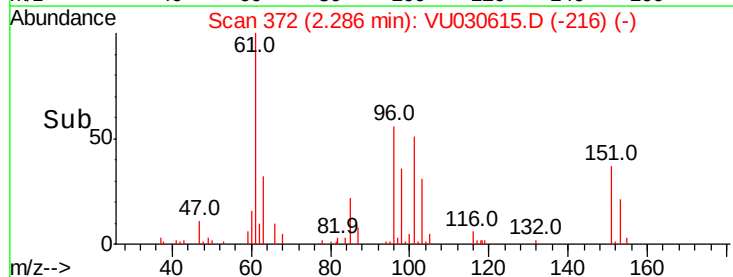
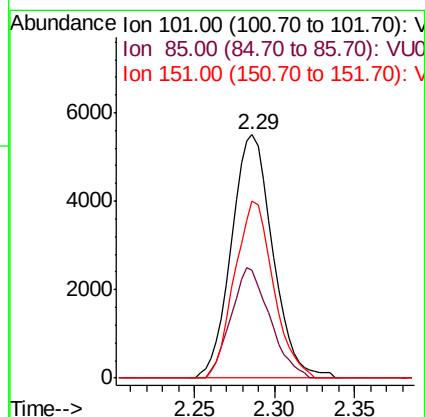
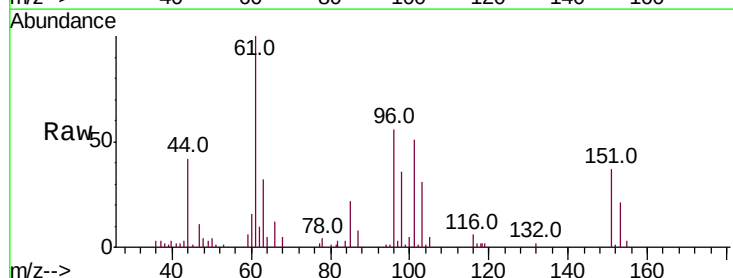
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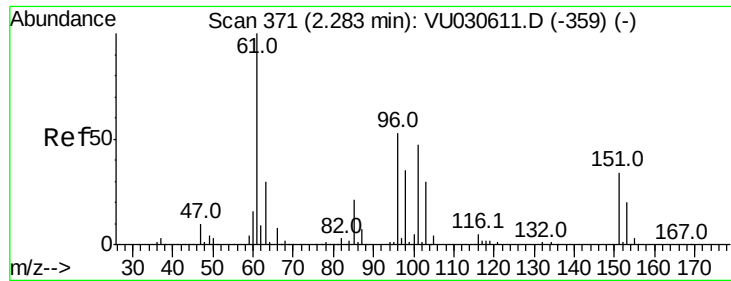


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.128 ug/l
RT: 2.29 min Scan# 372
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.8	36.5	54.7
151	68.2	55.7	83.5





#9

1,1-Dichloroethene

Concen: 1.162 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

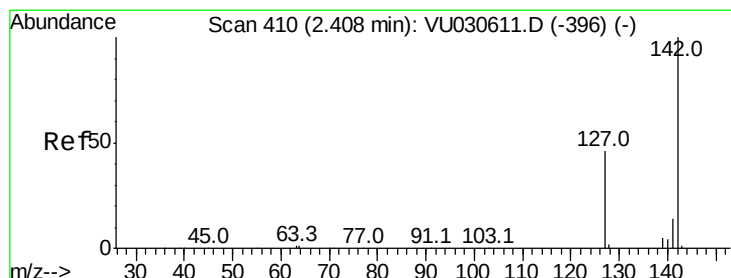
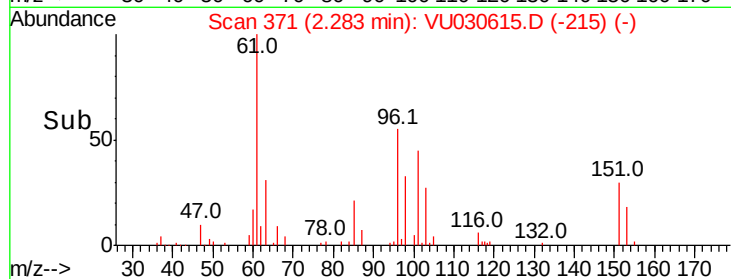
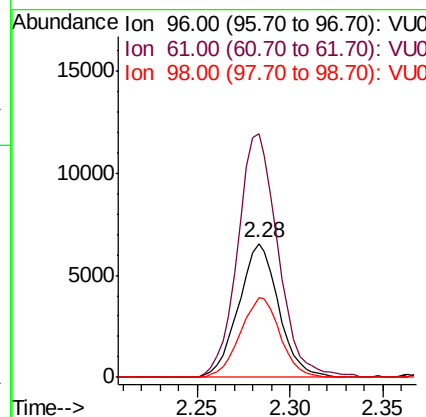
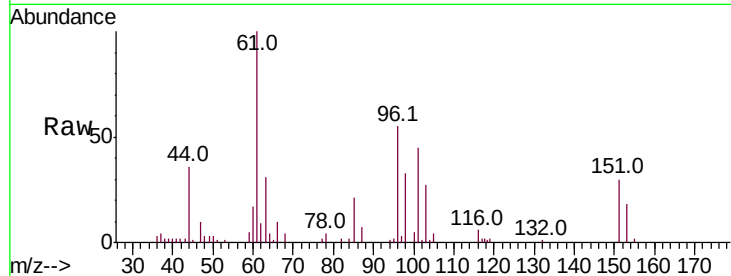
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	9826
Ion	Ratio	Lower	Upper
96	100		
61	181.9	0.0	564.0
98	59.1	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 1.391 ug/l

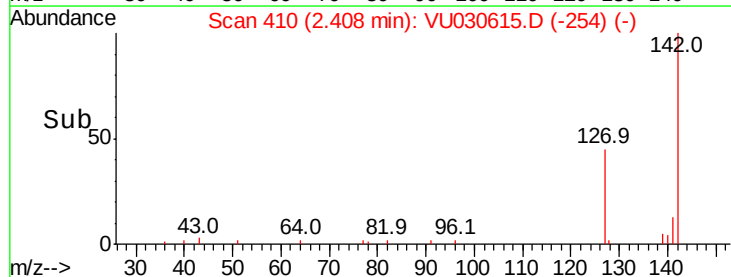
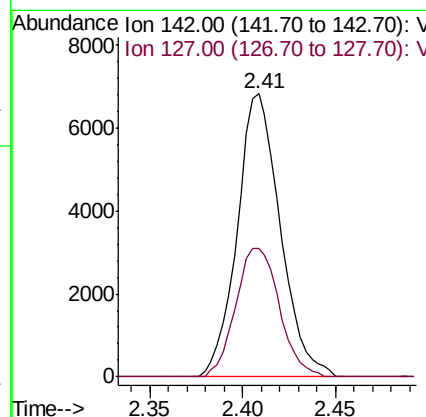
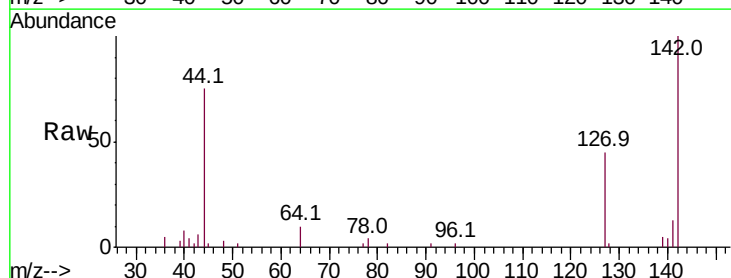
RT: 2.41 min Scan# 410

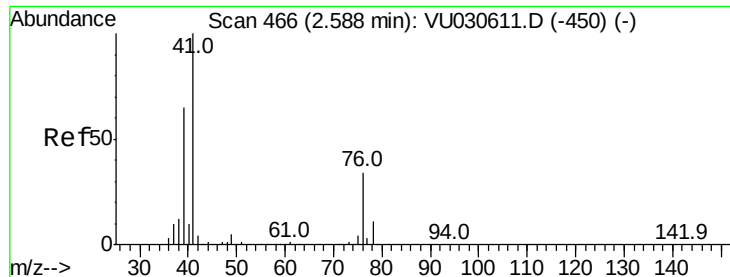
Delta R.T. 0.00 min

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Tgt Ion:	142	Resp:	10994
Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.9	55.3





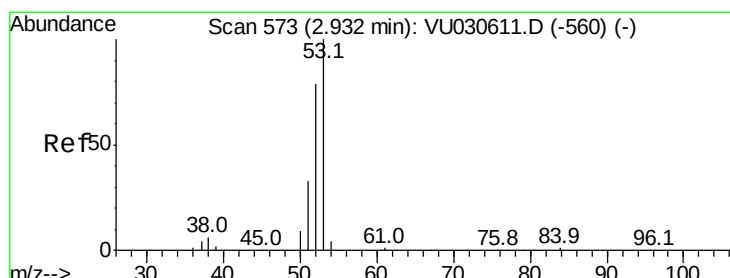
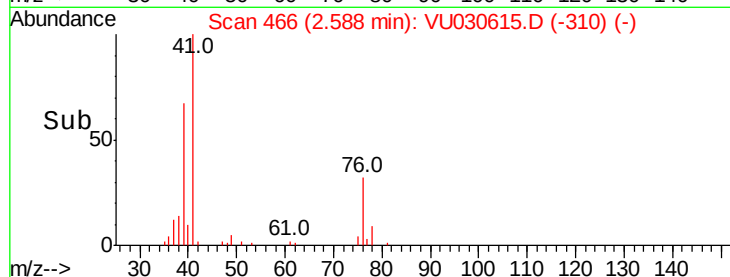
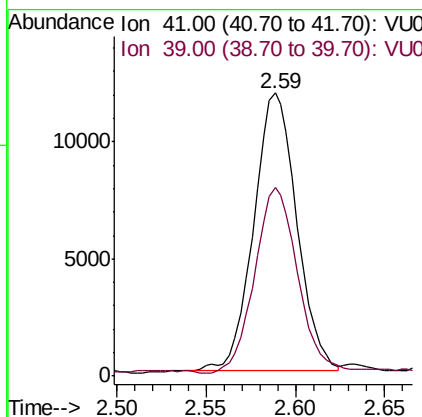
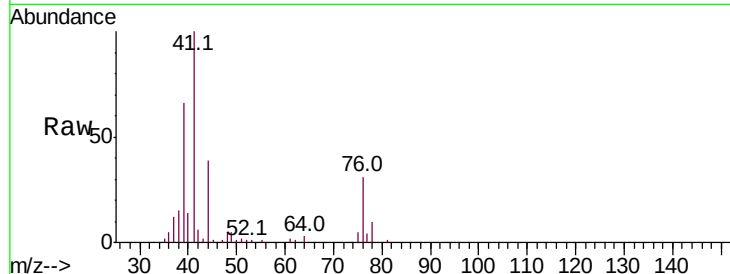
#11
Allvl Chloride
Concen: 1.520 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 19975
Ion Ratio Lower Upper
41 100
39 68.2 52.2 78.4

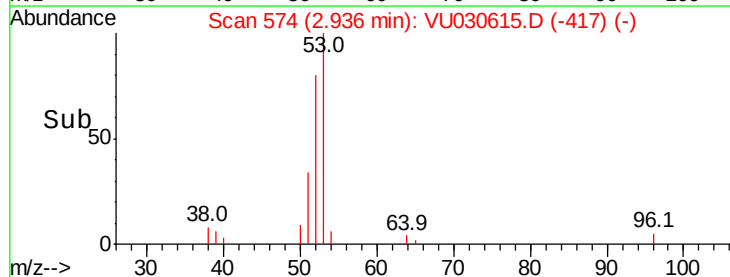
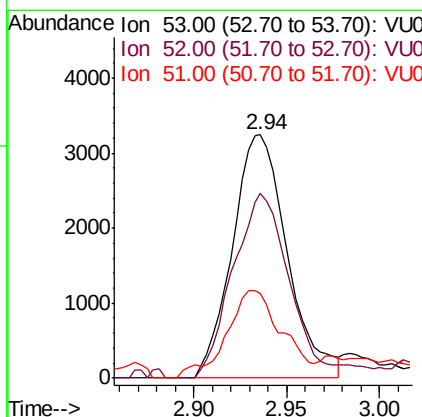
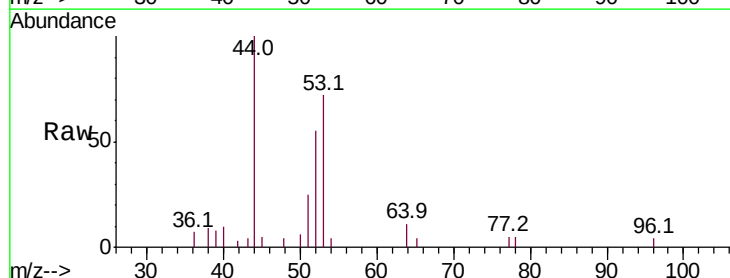
Manual Integrations
APPROVED

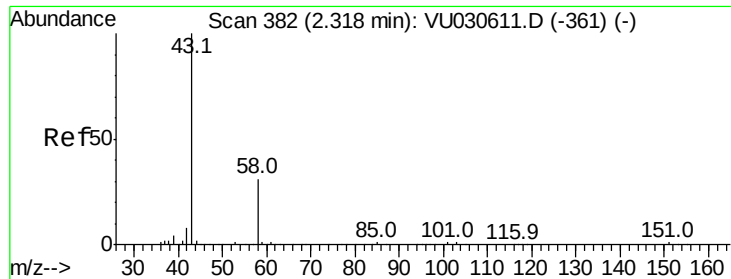
MMDadoda
4/3/2019 11:43:52 AM



#12
Acrylonitrile
Concen: 3.346 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion: 53 Resp: 6668
Ion Ratio Lower Upper
53 100
52 81.0 66.2 99.2
51 36.5 27.3 40.9





#13

Acetone

Concen: 8.114 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 14263

Ion Ratio Lower Upper

43 100

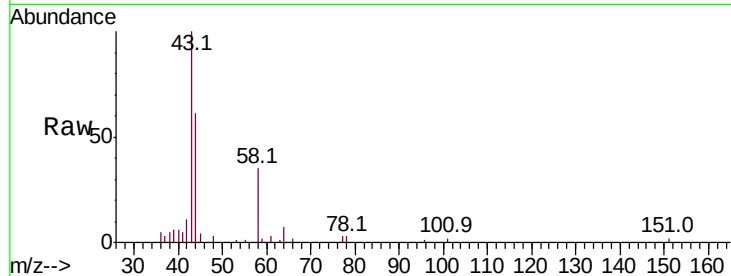
58 36.2 24.7 37.1

Manual Integrations

APPROVED

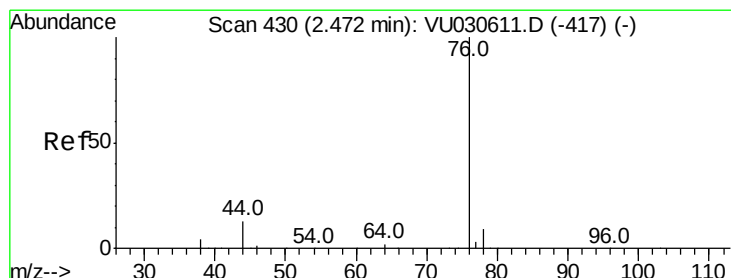
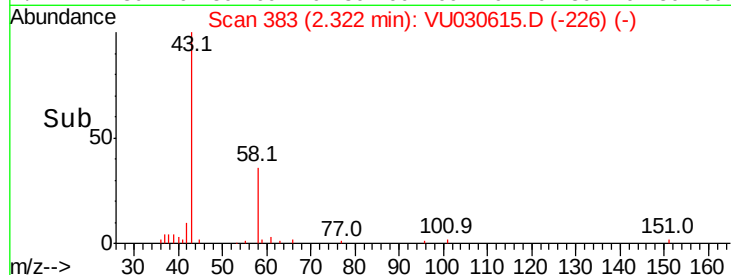
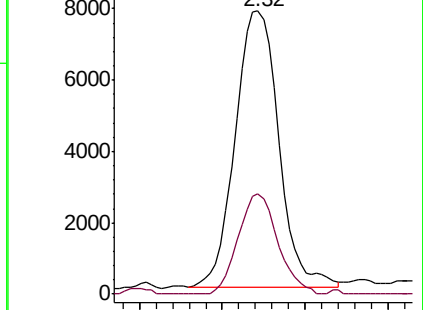
MMDadoda

4/3/2019 11:43:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VU030611.D (-361) (-)

Ion 58.00 (57.70 to 58.70): VU030611.D (-361) (-)



#14

Carbon Disulfide

Concen: 1.152 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030615.D

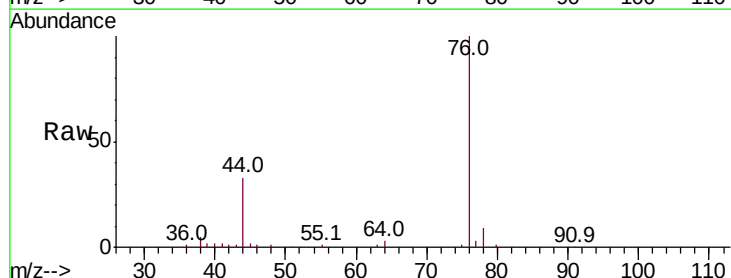
Acq: 02 Apr 2019 22:35

Tgt Ion: 76 Resp: 34129

Ion Ratio Lower Upper

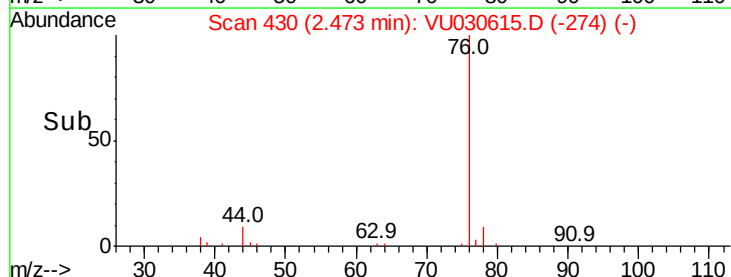
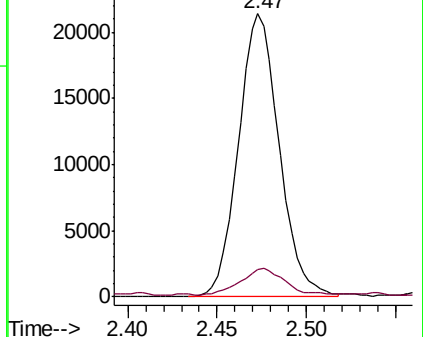
76 100

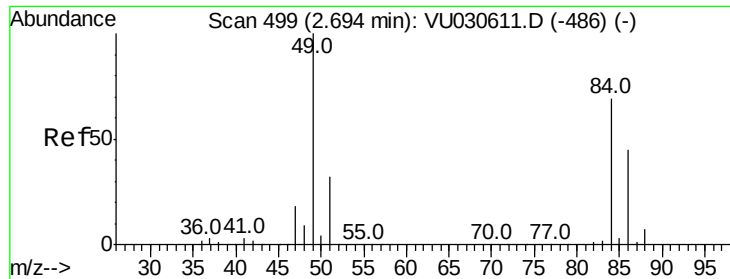
78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU030611.D (-417) (-)

Ion 78.00 (77.70 to 78.70): VU030611.D (-417) (-)





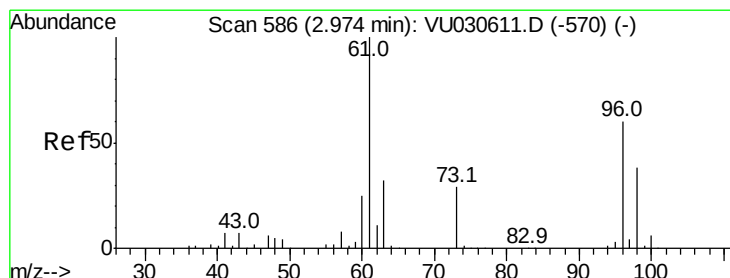
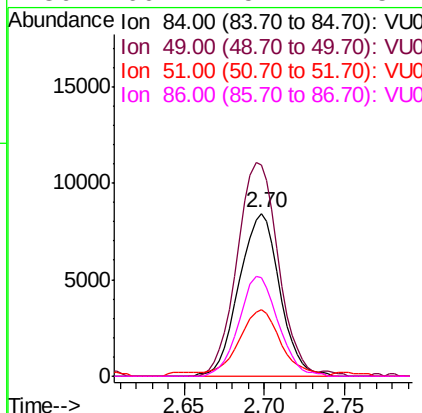
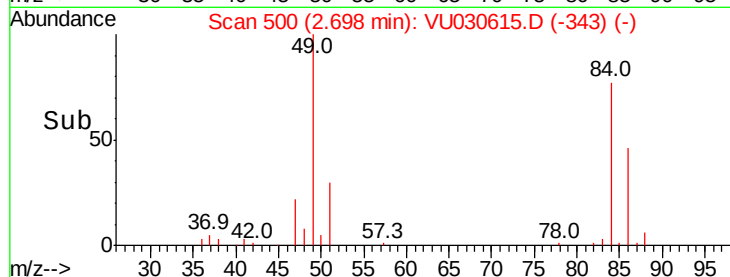
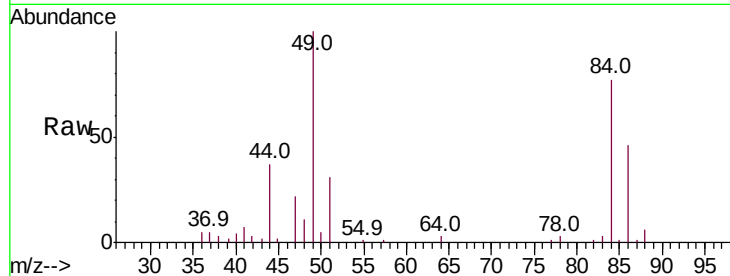
#15
Methvlene Chloride
Concen: 1.439 ug/l
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	14616
Ion	Ratio	Lower	Upper
84	100		
49	129.8	115.4	173.2
51	38.3	0.0	93.4
86	60.1	52.2	78.4

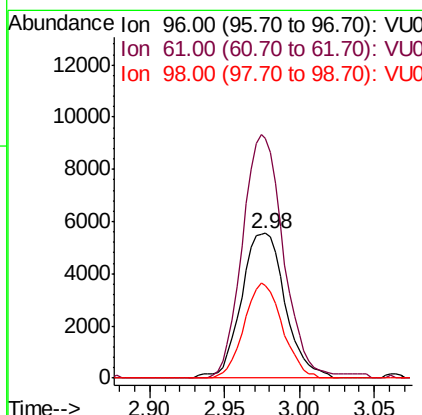
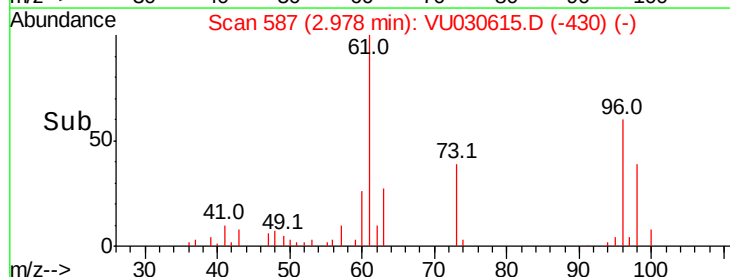
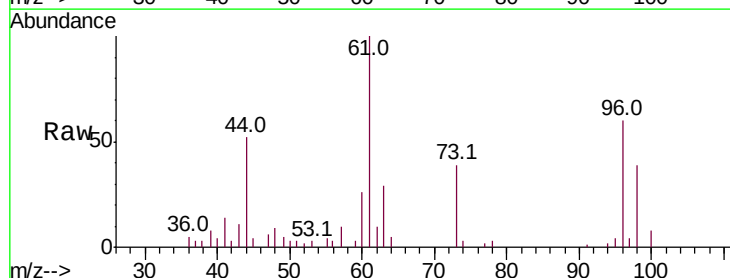
Manual Integrations
APPROVED

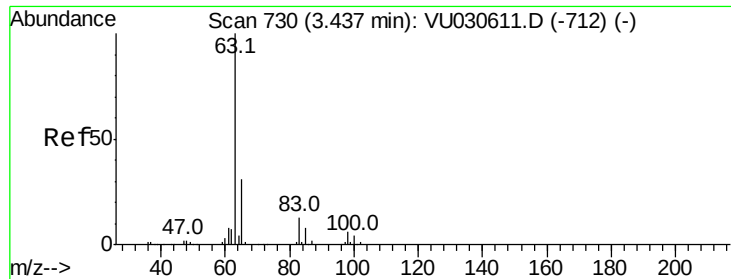
MMDadoda
4/3/2019 11:43:52 AM



#16
trans-1,2-Dichloroethene
Concen: 1.166 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion:	96	Resp:	11316
Ion	Ratio	Lower	Upper
96	100		
61	166.0	132.2	198.4
98	64.3	50.2	75.4





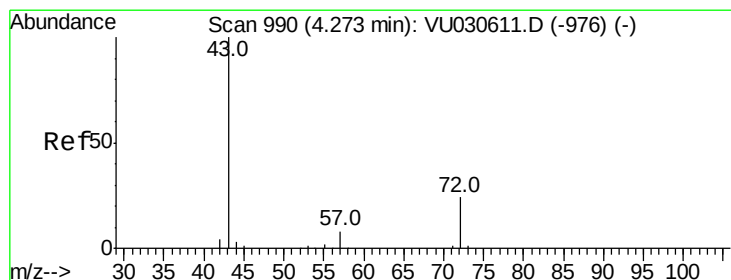
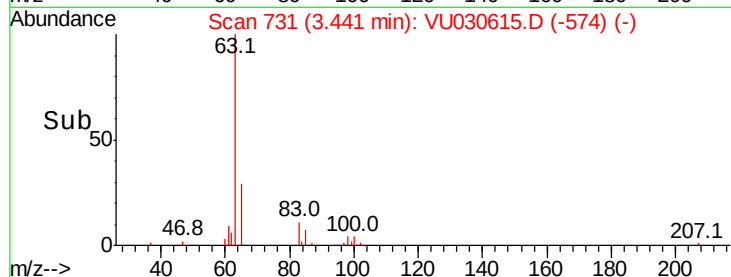
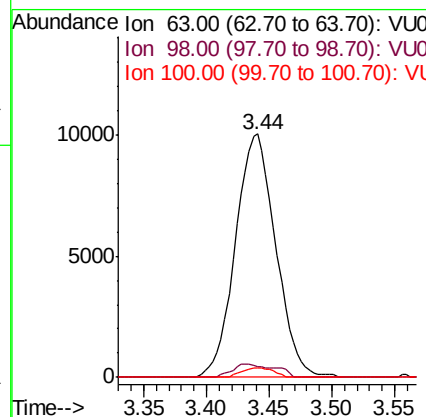
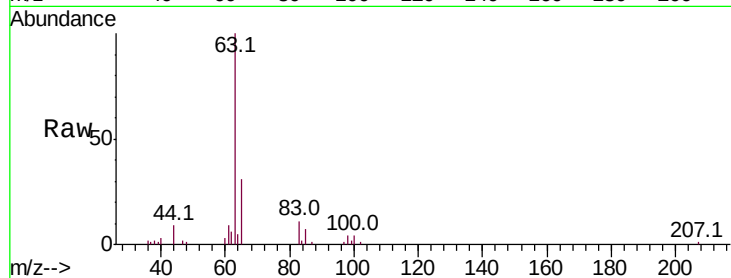
#17
 1,1-Dichloroethane
 Concen: 1.314 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	4.4	3.0	9.0
100	4.1	2.0	5.8

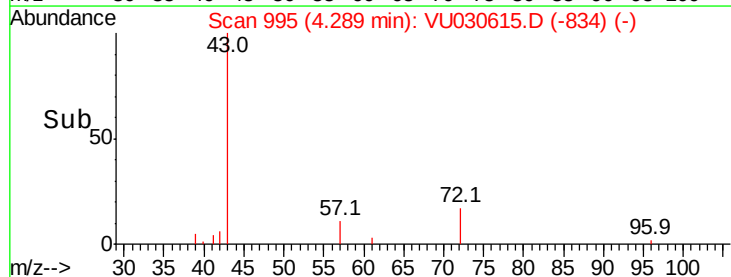
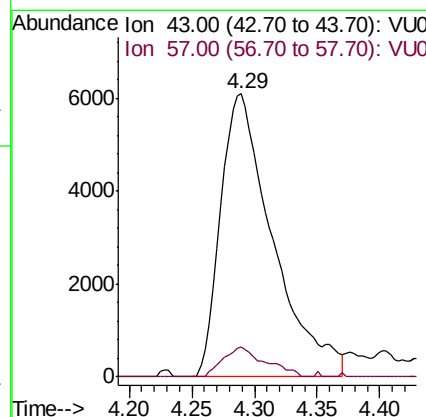
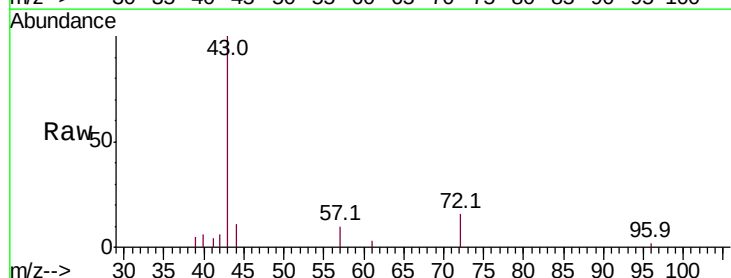
Manual Integrations
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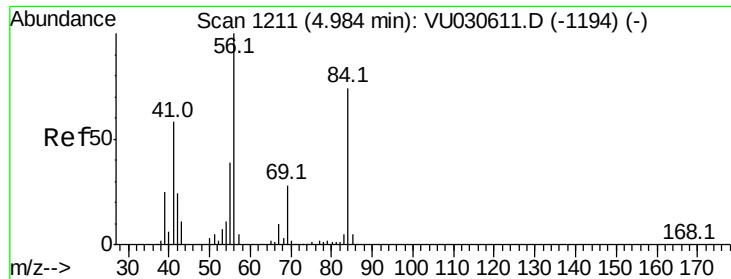
MMDadoda
 4/3/2019 11:43:52 AM



#18
 2-Butanone
 Concen: 7.177 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	10.4	0.0	16.4





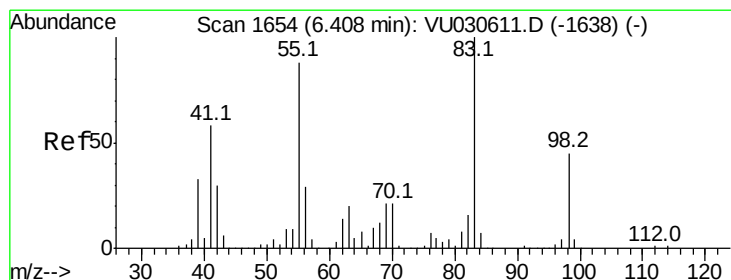
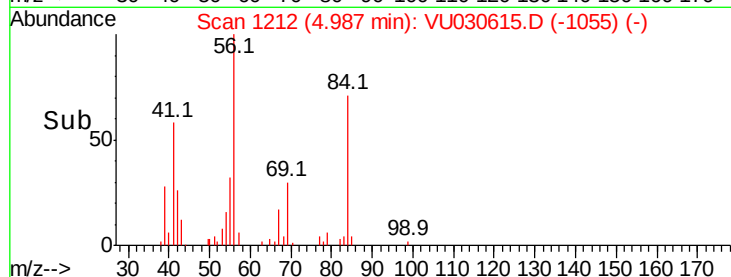
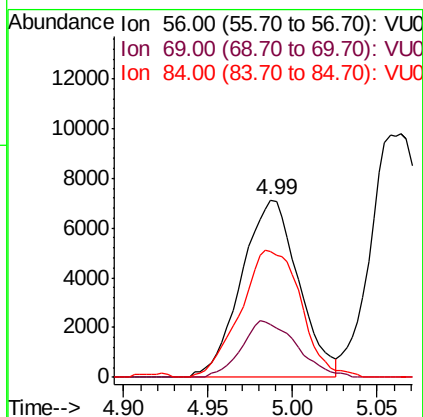
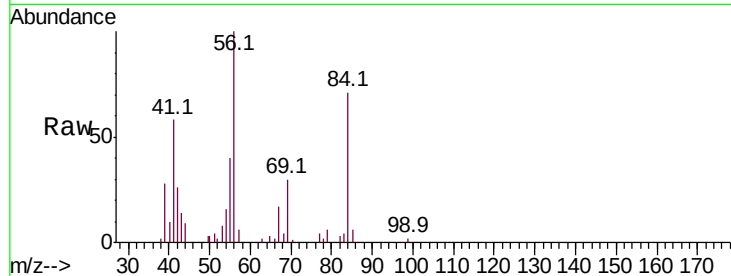
#19
Cyclohexane
Concen: 1.148 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	22.1	33.1
84	75.9	58.1	87.1

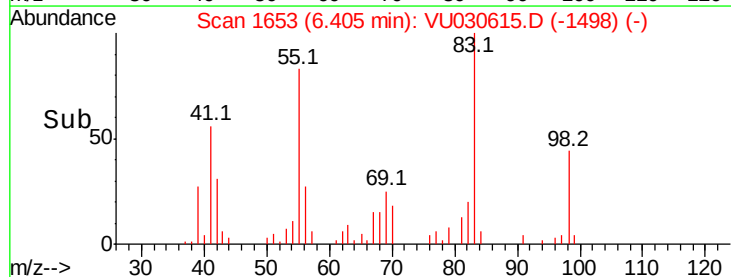
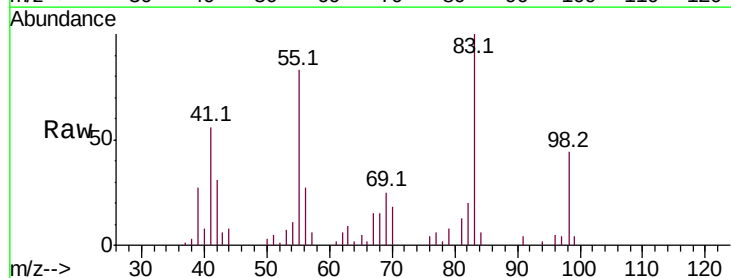
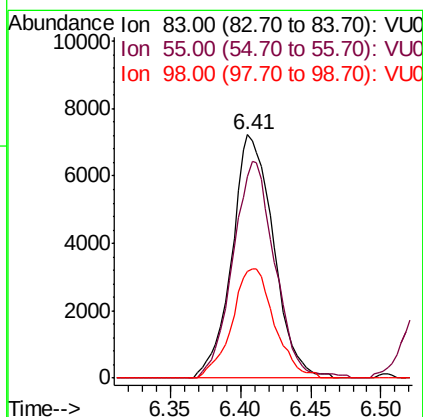
Manual Integrations
APPROVED

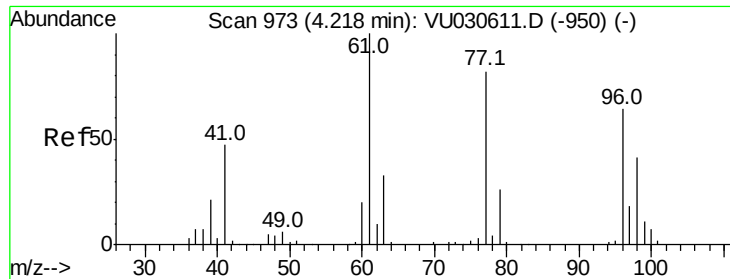
MMDadoda
4/3/2019 11:43:52 AM



#20
Methylcyclohexane
Concen: 0.969 ug/l
RT: 6.41 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.0	71.8	107.8
98	45.8	35.5	53.3





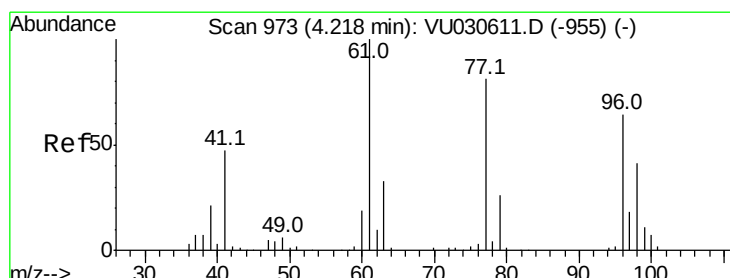
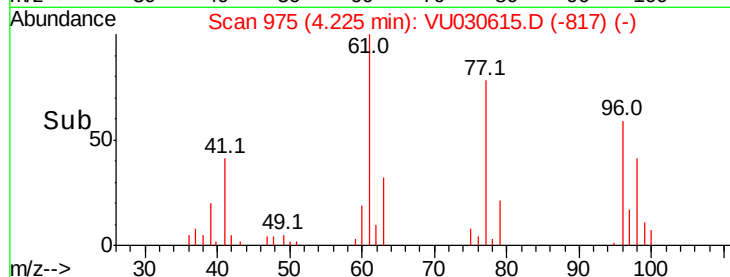
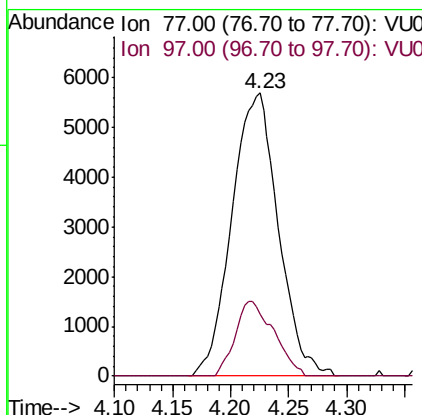
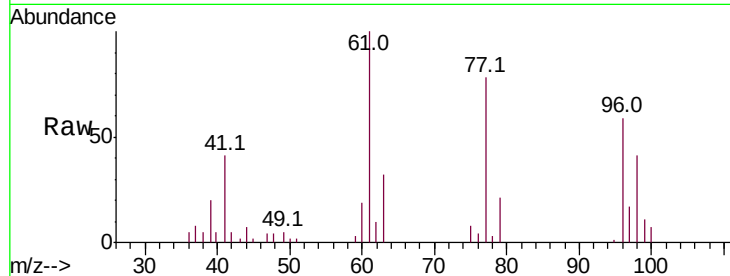
#21
 2,2-Dichloropropane
 Concen: 1.117 ug/l
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 15854
 Ion Ratio Lower Upper
 77 100
 97 21.9 17.4 26.0

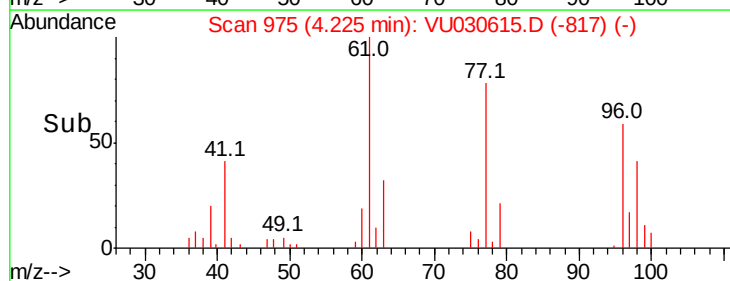
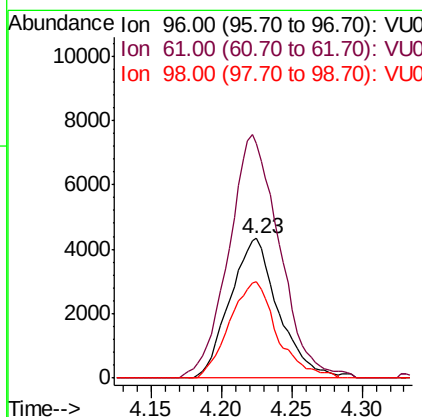
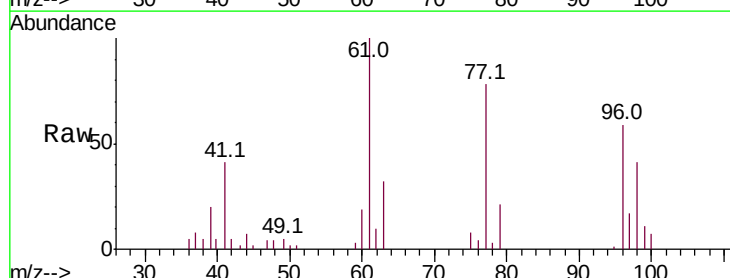
Manual Integrations
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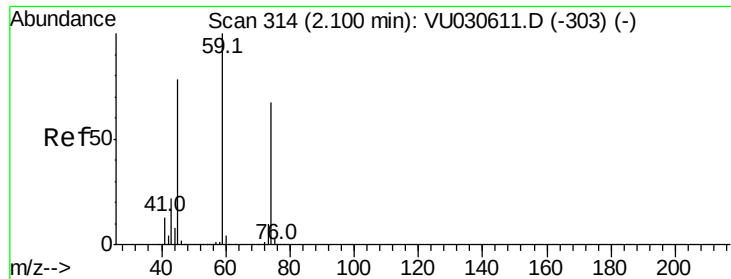
MMDadoda
 4/3/2019 11:43:52 AM



#22
 cis-1,2-Dichloroethene
 Concen: 0.960 ug/l
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion: 96 Resp: 10374
 Ion Ratio Lower Upper
 96 100
 61 183.6 0.0 406.0
 98 67.9 31.7 95.1





#23

Diethyl Ether

Concen: 1.442 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

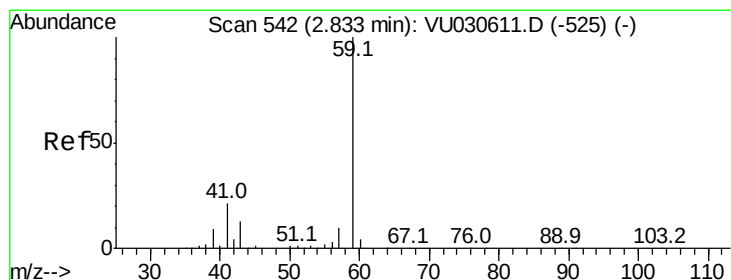
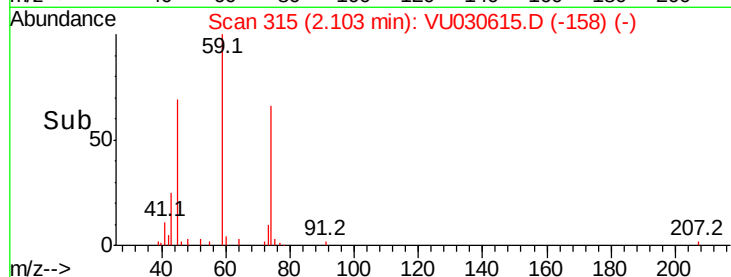
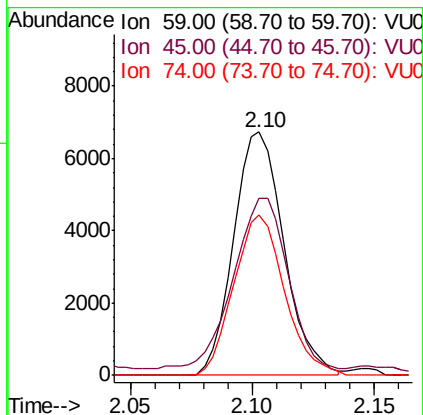
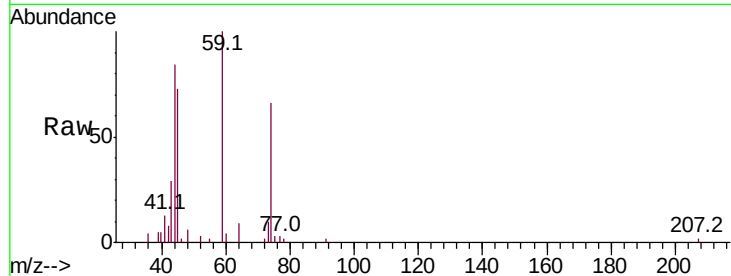
ClientSampleId :

VSTDIC001

Tot Ion:	59	Resp:	9638
Ion	Ratio	Lower	Upper
59	100		
45	78.8	62.7	94.1
74	66.3	54.3	81.5

Manual Integrations
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MMDadoda
4/3/2019 11:43:52 AM



#24

tert-Butyl Alcohol

Concen: 15.807 ug/l

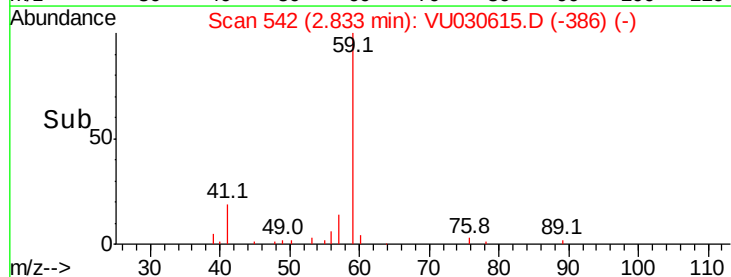
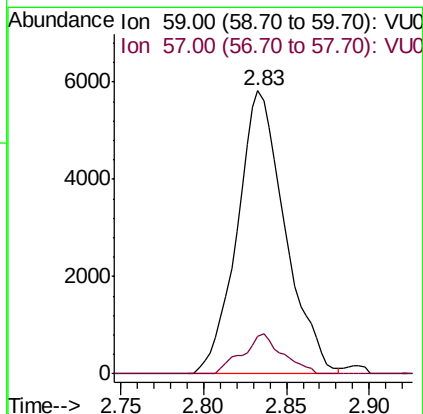
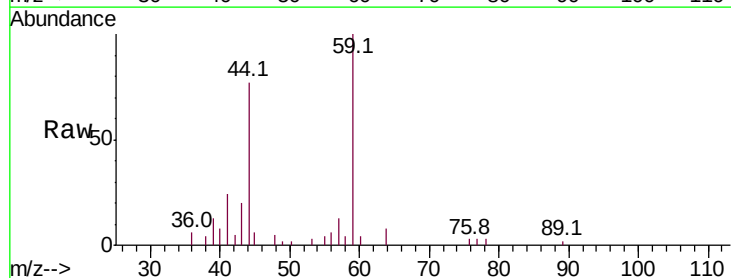
RT: 2.83 min Scan# 542

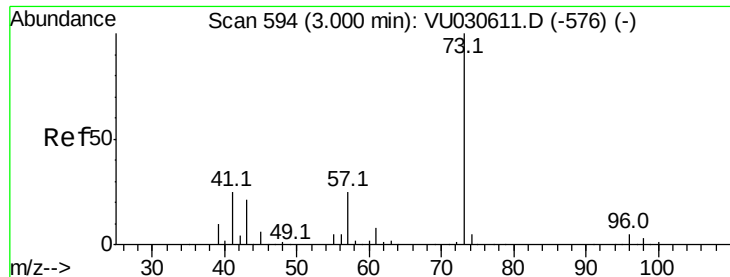
Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	59	Resp:	11691
Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.2	12.4





#25

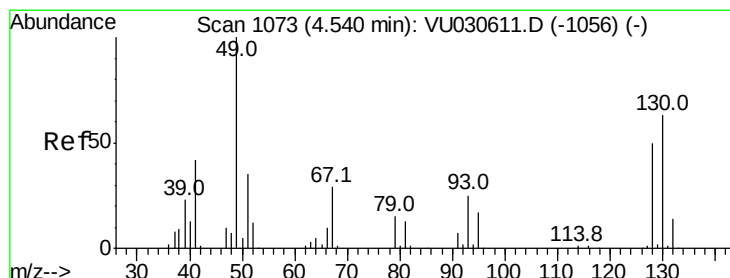
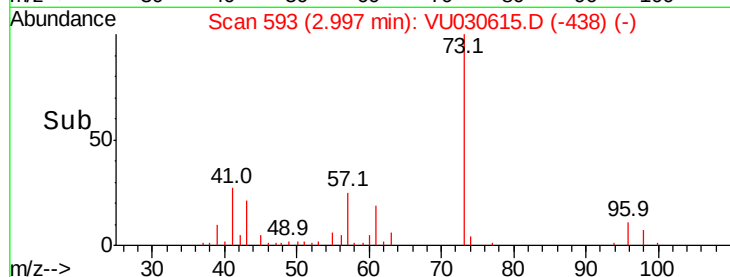
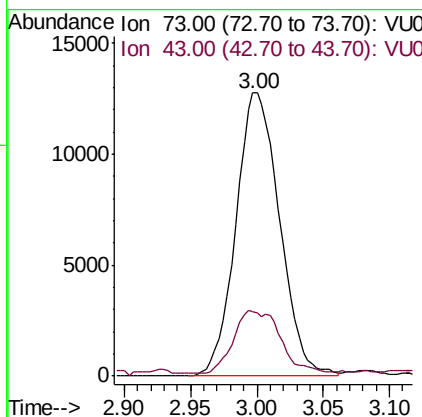
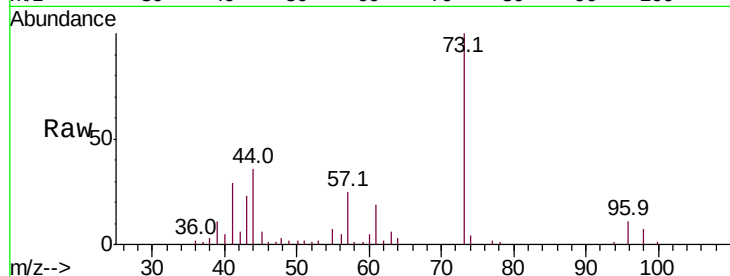
Methyl tert-Butyl Ether
 Concen: 1.322 ug/l
 RT: 3.00 min Scan# 593
 Delta R.T. -0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
43	23.6	17.0	25.6

Manual Integrations
 APPROVED

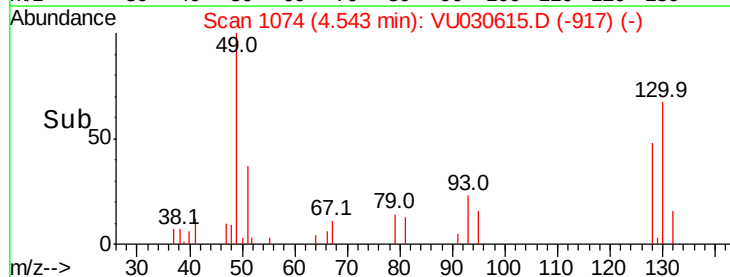
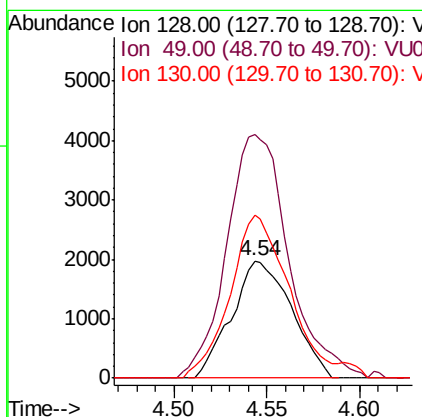
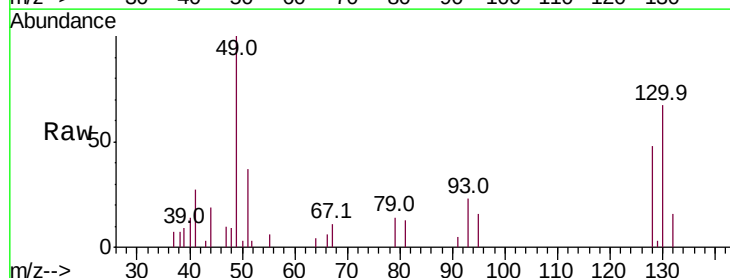
MMDadoda
 4/3/2019 11:43:52 AM

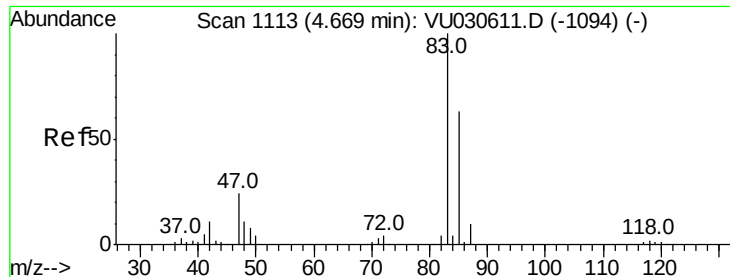


#26

Bromochloromethane
 Concen: 0.941 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
128	100		
49	215.7	0.0	404.8
130	140.4	100.2	150.2





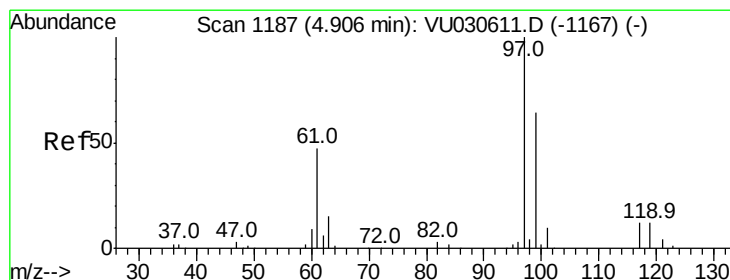
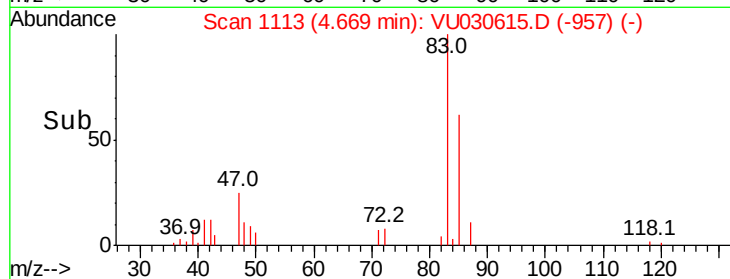
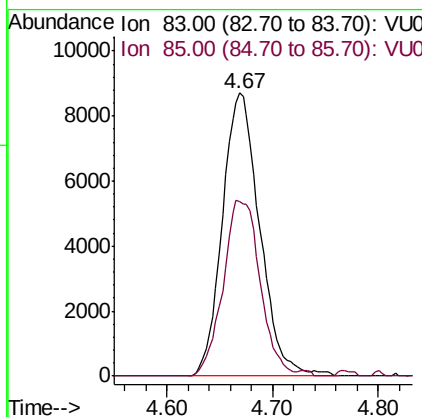
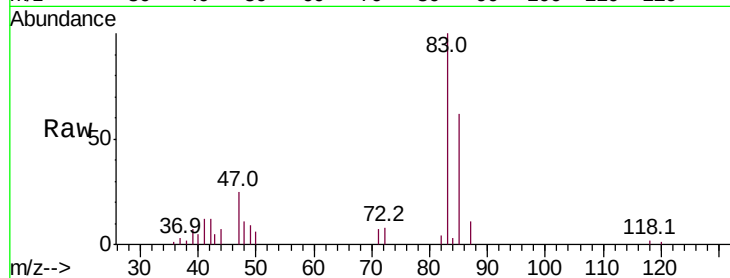
#27
Chloroform
Concen: 1.210 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	21366
Ion Ratio	100	Lower	Upper
85	61.8	0.0	126.0

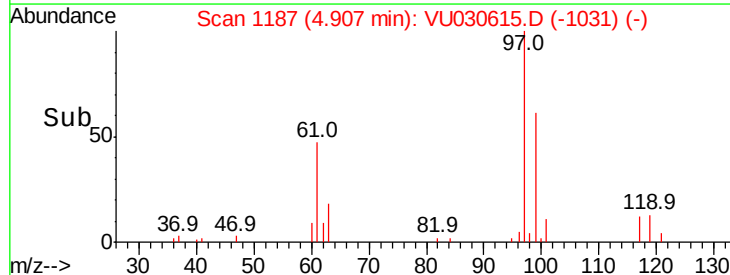
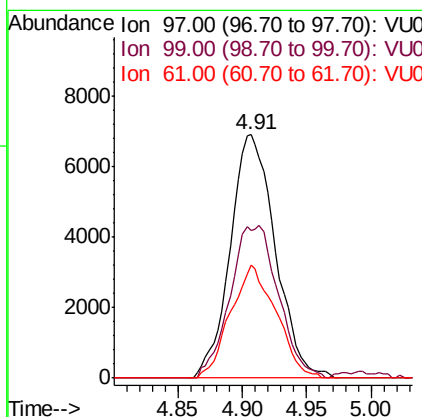
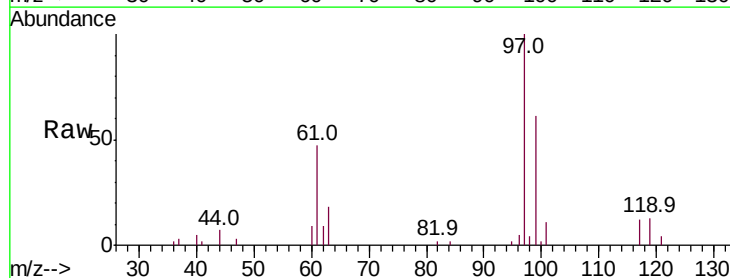
Manual Integrations
APPROVED

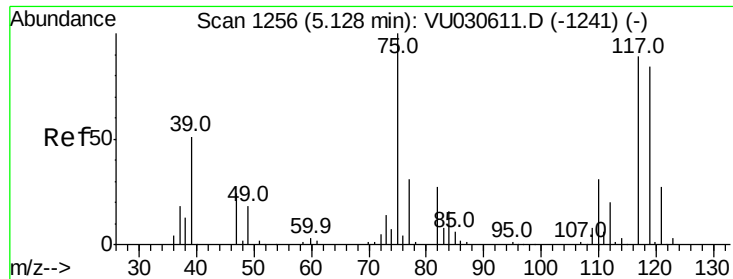
MMDadoda
4/3/2019 11:43:52 AM



#28
1,1,1-Trichloroethane
Concen: 1.165 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	97	Resp	16814
Ion Ratio	100	Lower	Upper
99	66.8	31.9	95.9
61	46.8	23.4	70.0





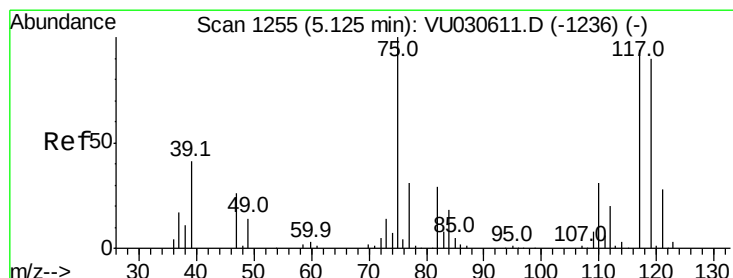
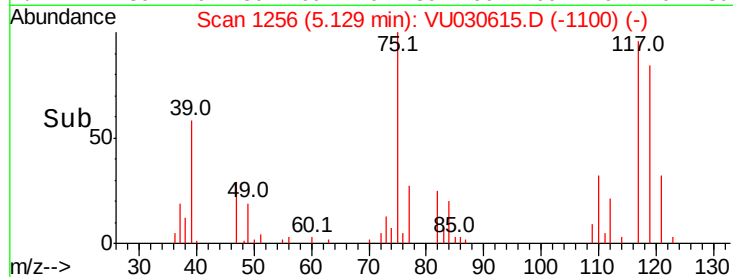
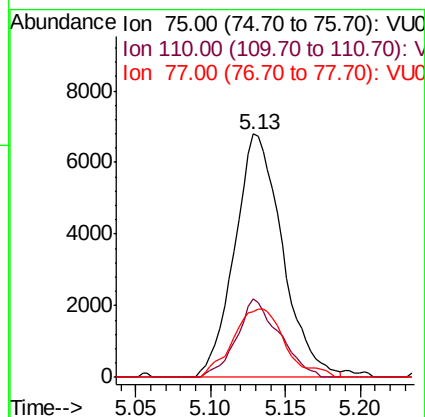
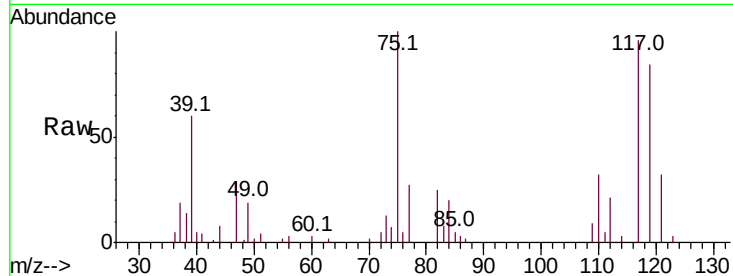
#29
 1,1-Dichloropropene
 Concen: 1.152 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	28.9	16.2	48.5
77	30.6	24.6	36.8

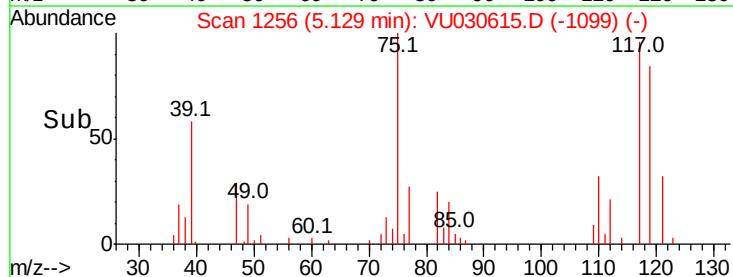
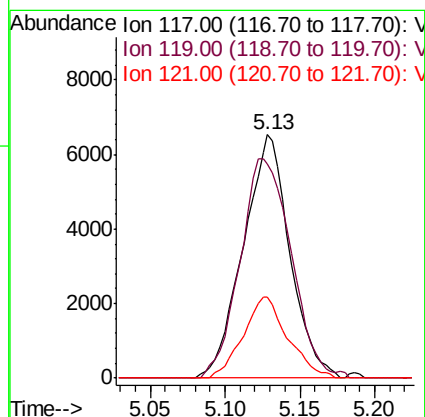
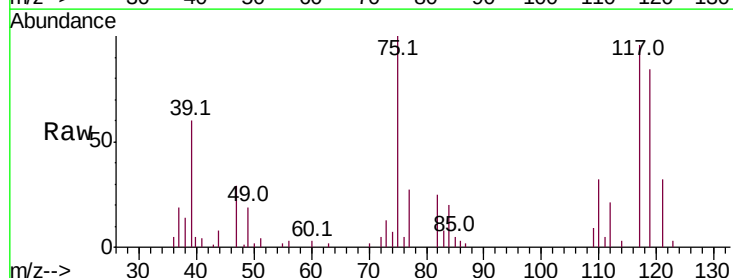
Manual Integrations
 APPROVED

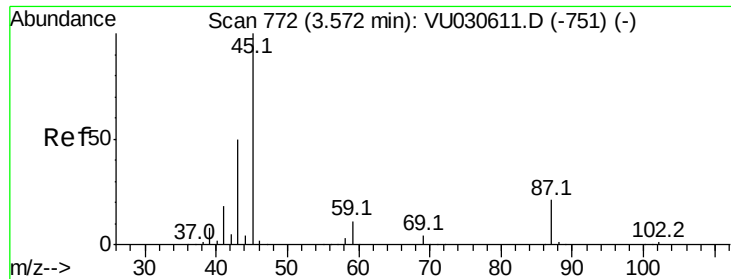
MMDadoda
 4/3/2019 11:43:52 AM



#30
 Carbon Tetrachloride
 Concen: 1.097 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.9	113.9
121	33.0	24.2	36.2





#31

Isopropyl Ether

Concen: 1.445 ug/l

RT: 3.57 min Scan# 771

Delta R.T. -0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 36076

Ion Ratio Lower Upper

45 100

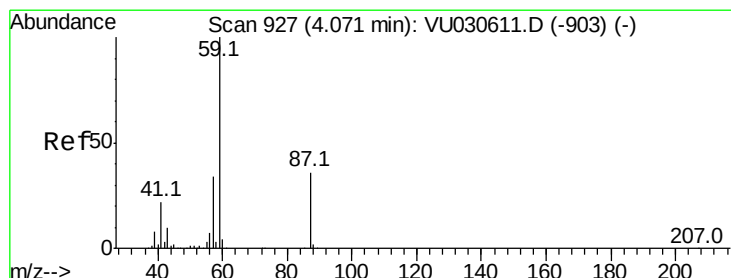
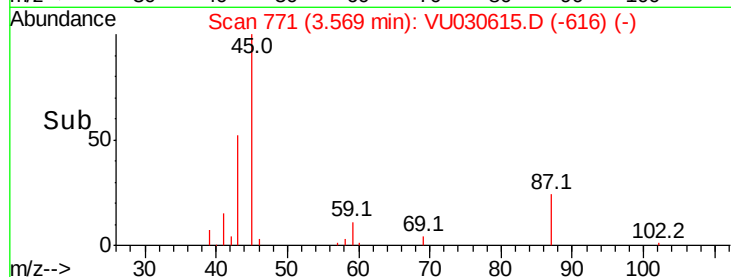
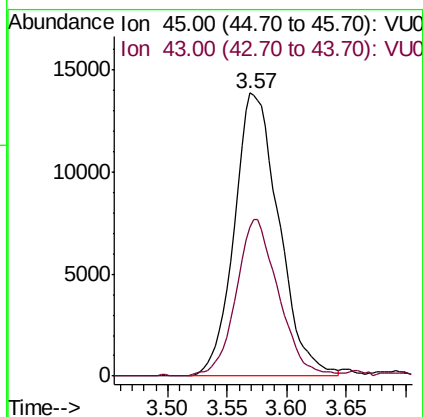
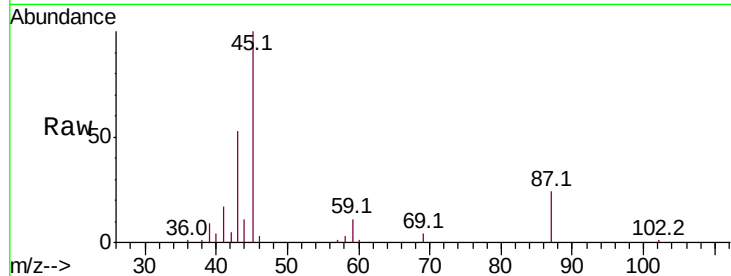
43 52.5 25.0 75.0

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.213 ug/l

RT: 4.07 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU030615.D

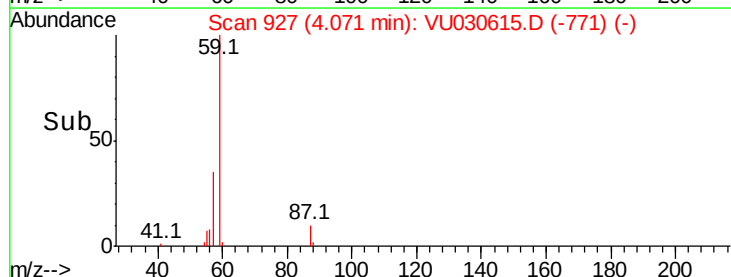
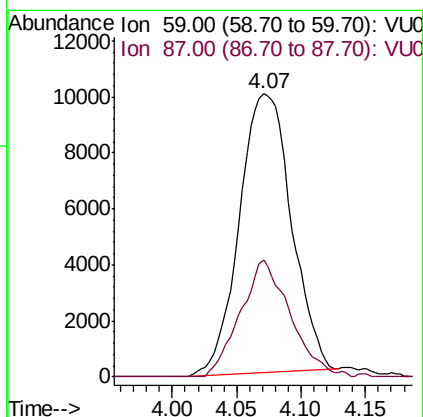
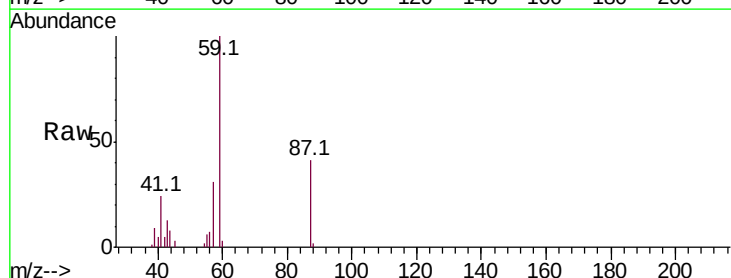
Acq: 02 Apr 2019 22:35

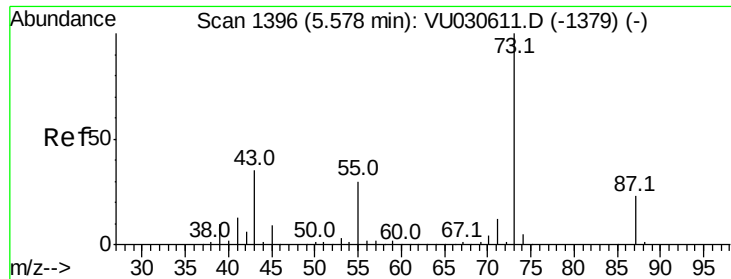
Tgt Ion: 59 Resp: 28029

Ion Ratio Lower Upper

59 100

87 40.1 29.5 44.3





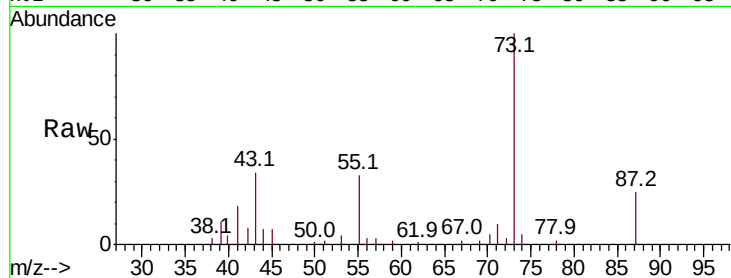
#33
Tert-Butyl methyl ether
Concen: 1.097 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

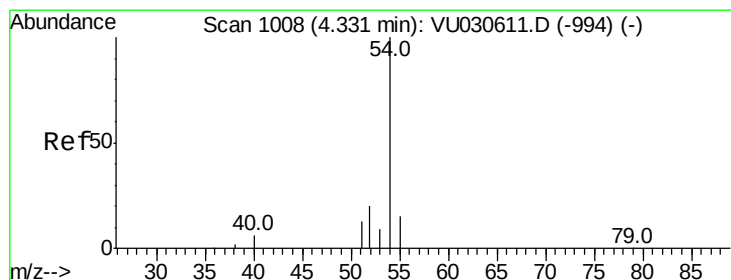
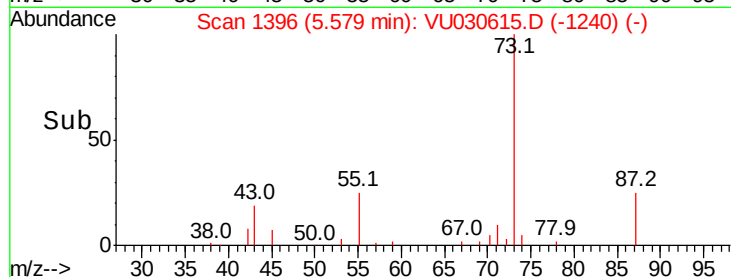
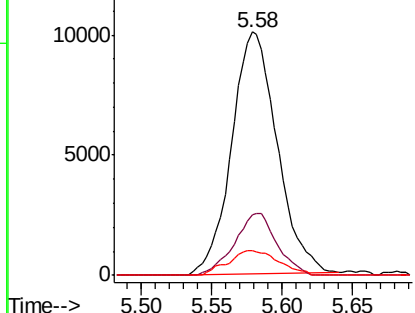
Tot Ion	Ratio	Lower	Upper
73	100		
87	23.7	18.7	28.1
71	11.3	9.4	14.0

Manual Integrations
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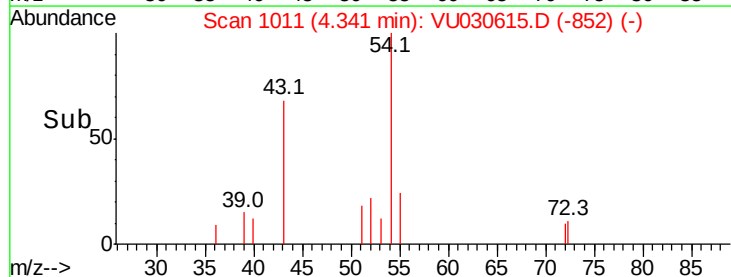
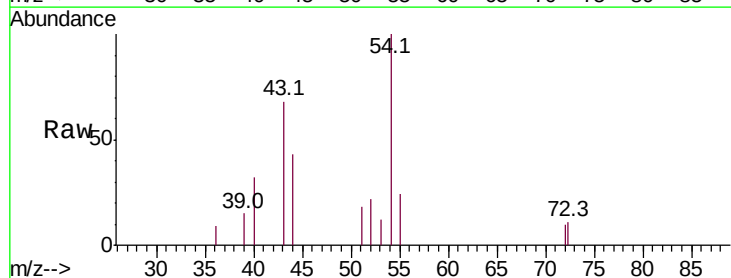
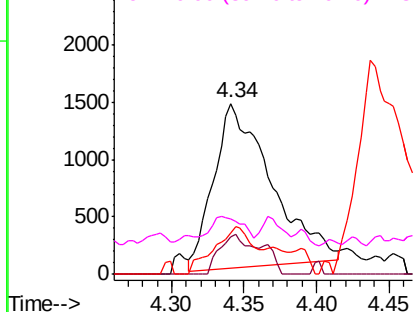
Abundance Ion 73.00 (72.70 to 73.70): VU030615.D (-1379) (-)
Ion 87.00 (86.70 to 87.70): VU030615.D (-1379) (-)
Ion 71.00 (70.70 to 71.70): VU030615.D (-1379) (-)

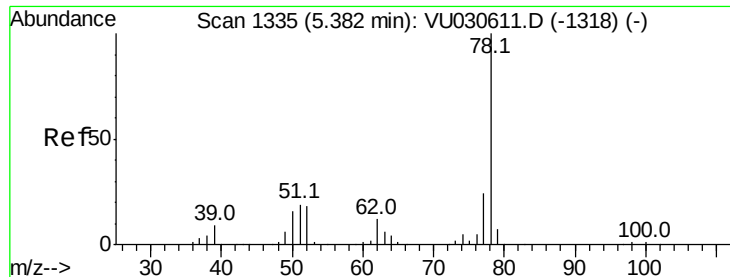


#34
Propionitrile
Concen: 5.946 ug/l
RT: 4.34 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
54	100		
52	13.5	15.3	22.9#
55	19.8	11.4	17.0#
40	6.6	4.6	6.8

Abundance Ion 54.00 (53.70 to 54.70): VU030615.D (-852) (-)
Ion 52.00 (51.70 to 52.70): VU030615.D (-852) (-)
Ion 55.00 (54.70 to 55.70): VU030615.D (-852) (-)
Ion 40.00 (39.70 to 40.70): VU030615.D (-852) (-)





#35

Benzene

Concen: 1.113 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 42654

Ion Ratio Lower Upper

78 100

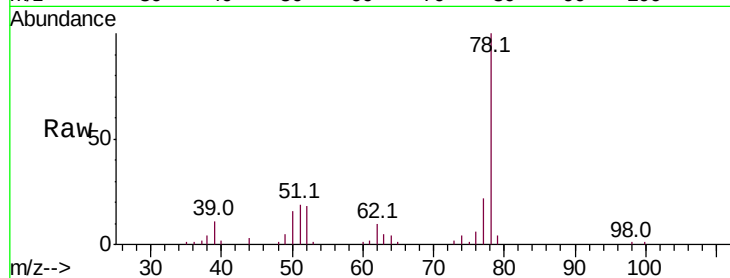
77 21.6 19.4 29.2

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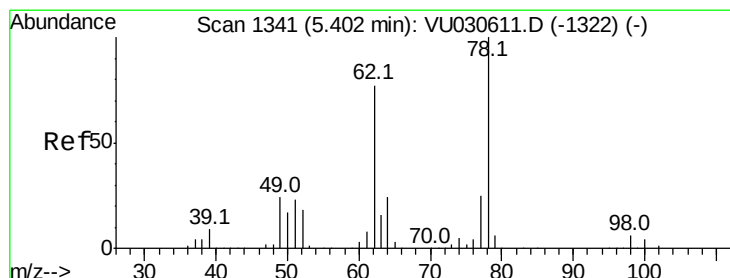
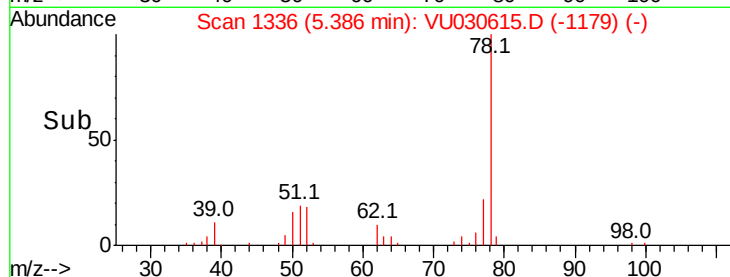
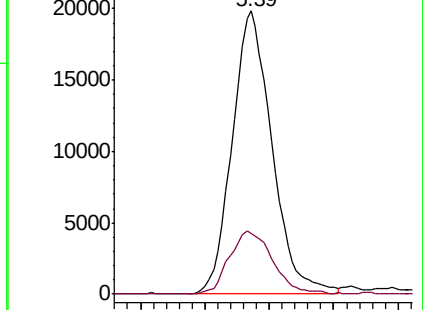
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Abundance Ion 78.10 (77.80 to 78.80): VU030615.D (-1318) (-)

Ion 77.00 (76.70 to 77.70): VU030615.D (-1318) (-)



#36

1,2-Dichloroethane

Concen: 1.314 ug/l

RT: 5.41 min Scan# 1343

Delta R.T. 0.01 min

Lab File: VU030615.D

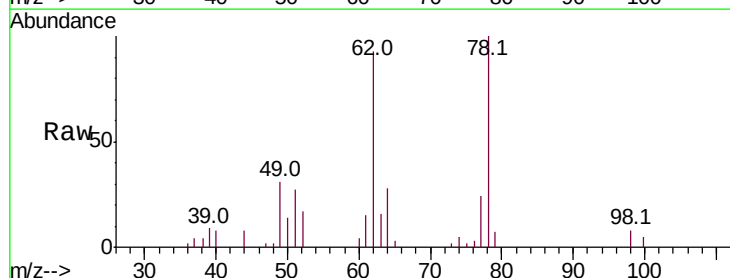
Acq: 02 Apr 2019 22:35

Tgt Ion: 62 Resp: 13988

Ion Ratio Lower Upper

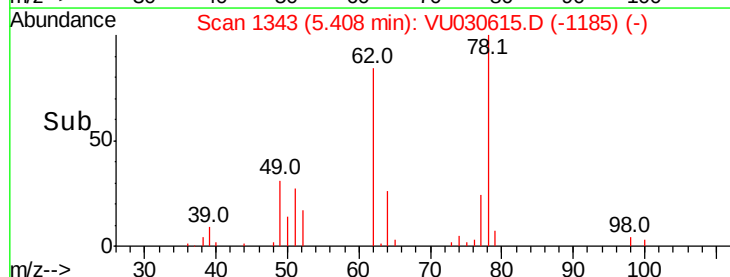
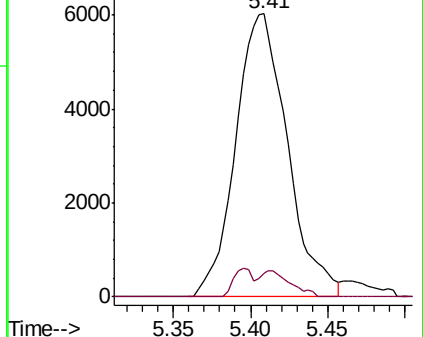
62 100

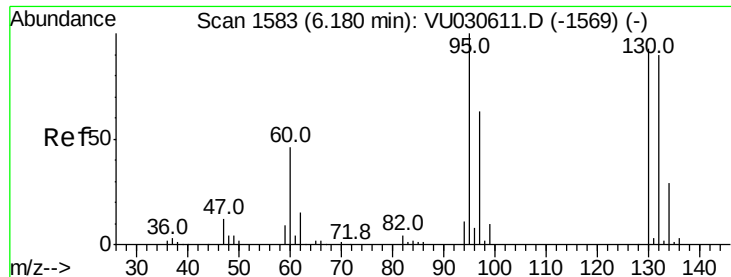
98 5.0 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VU030615.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU030615.D (-1185) (-)





#37

Trichloroethene

Concen: 0.939 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 10069

Ion Ratio Lower Upper

130 100

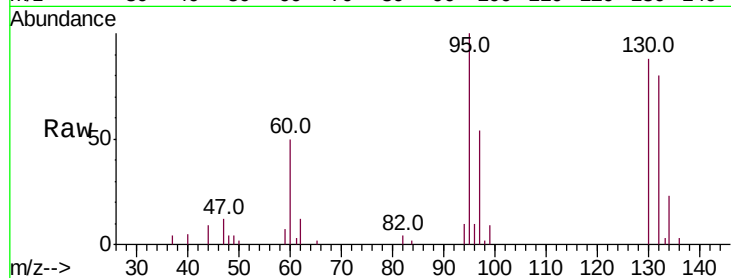
95 114.2 85.7 128.5

Manual Integrations

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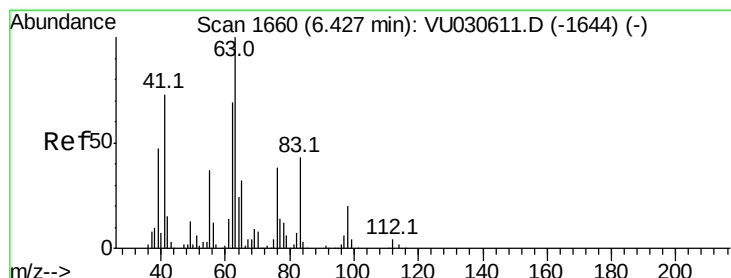
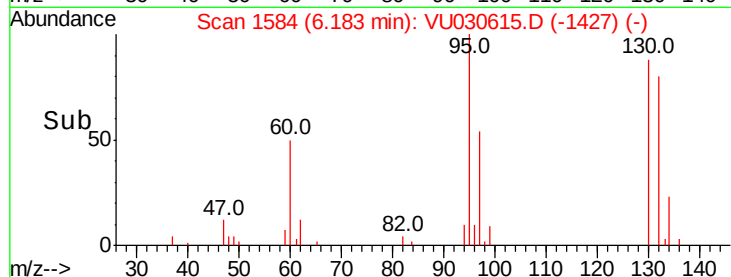
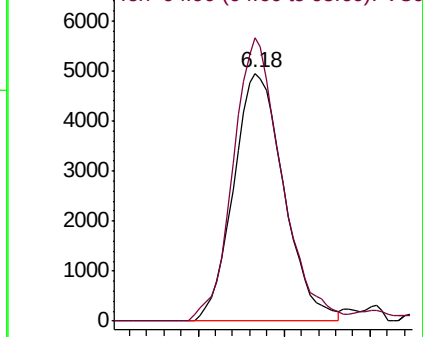
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VU0



#38

1,2-Dichloropropane

Concen: 1.212 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VU030615.D

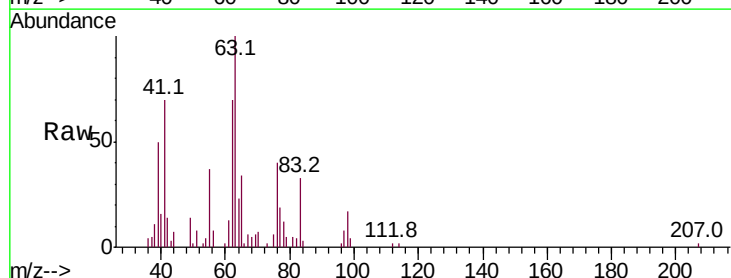
Acq: 02 Apr 2019 22:35

Tgt Ion: 63 Resp: 12093

Ion Ratio Lower Upper

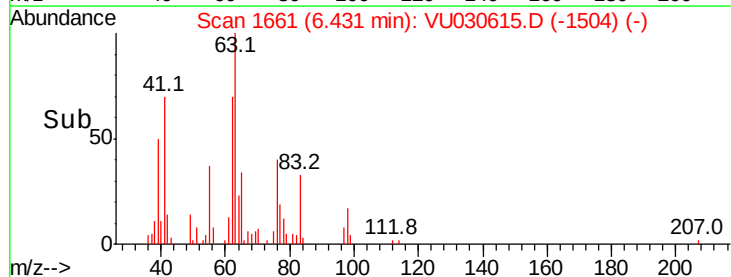
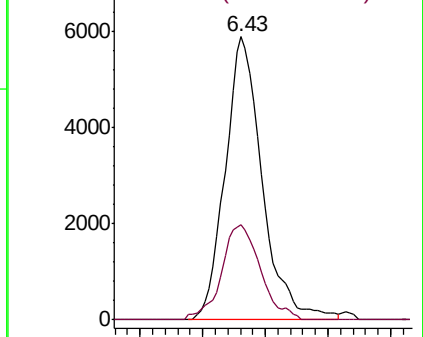
63 100

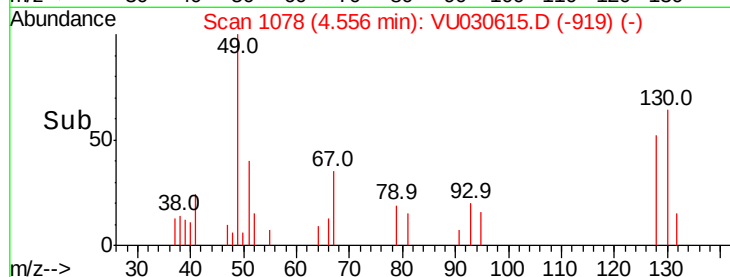
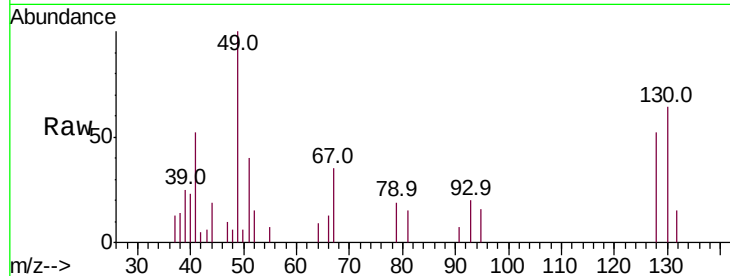
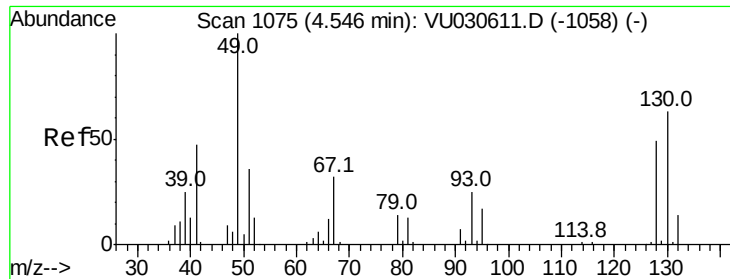
65 33.6 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 65.00 (64.70 to 65.70): VU0





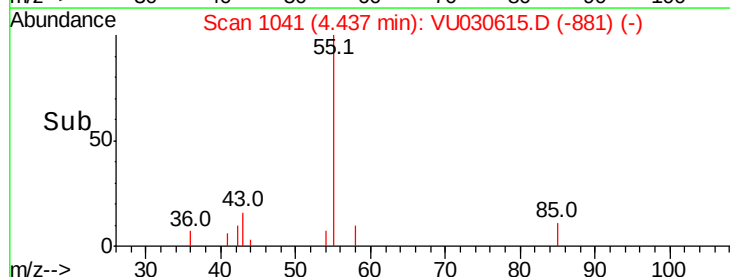
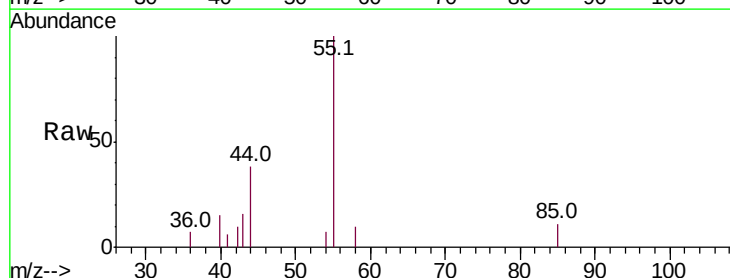
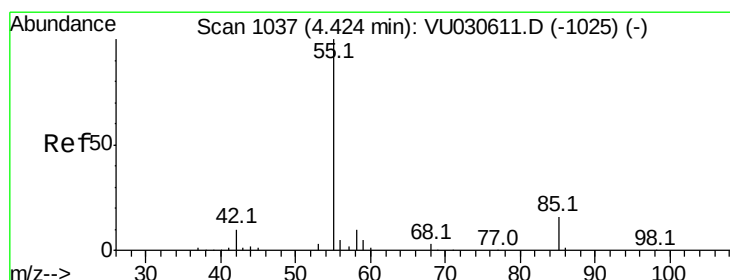
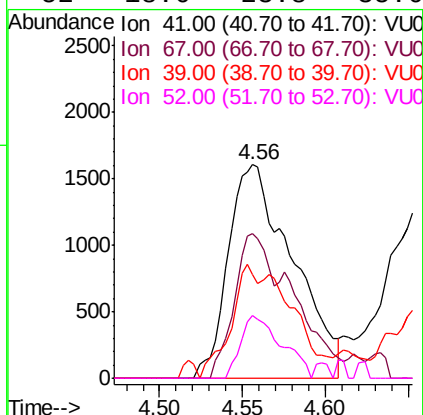
#39
Methacrylonitrile
Concen: 1.451 ug/l
RT: 4.56 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tot Ion	Ratio	Lower	Upper
41	100		
67	37.4	54.1	81.1#
39	22.4	41.7	62.5#
52	18.6	23.8	35.6#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

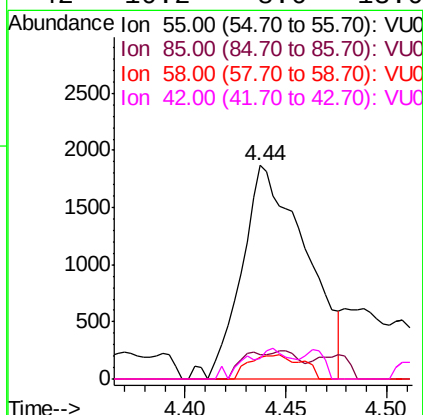
Manual Integrations
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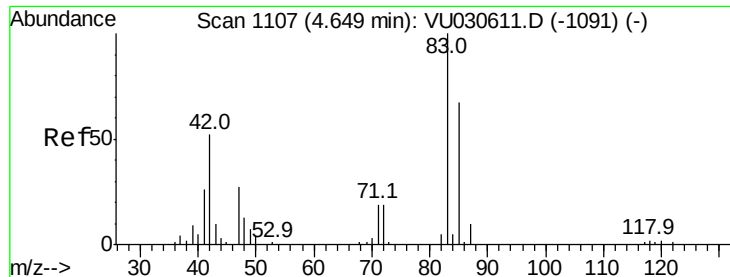
MMDadoda
4/3/2019 11:43:52 AM



#40
Methyl acrylate
Concen: 0.917 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	12.5	18.7#
58	9.2	7.5	11.3
42	10.2	8.6	13.0





#41

Tetrahydrofuran

Concen: 2.556 ug/l

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

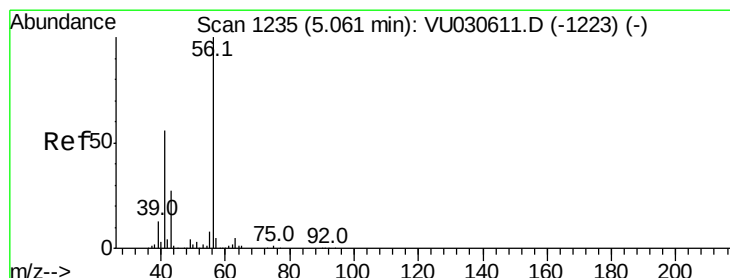
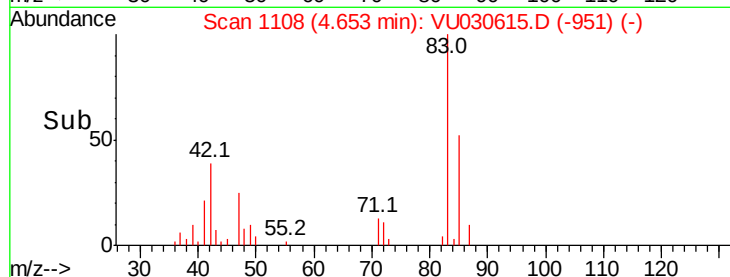
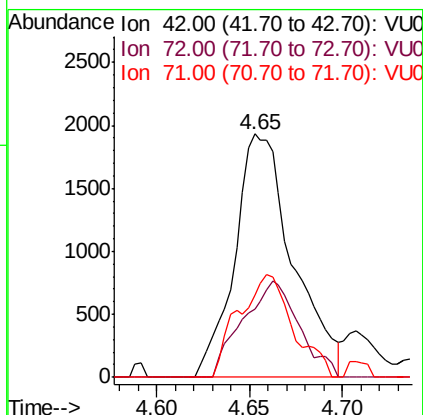
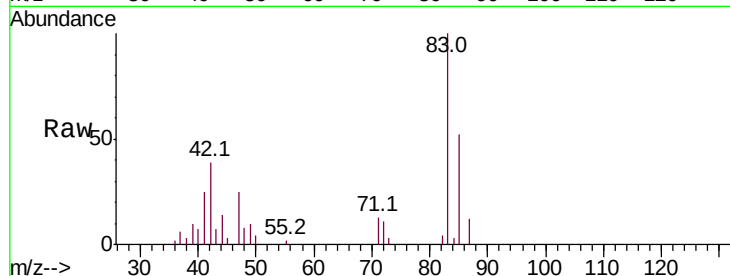
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	4220
Ion	Ratio	Lower	Upper
42	100		
72	38.1	29.8	44.8
71	39.5	27.7	41.5

Manual Integrations
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4/3/2019 11:43:52 AM



#42

1-Chlorobutane

Concen: 1.271 ug/l

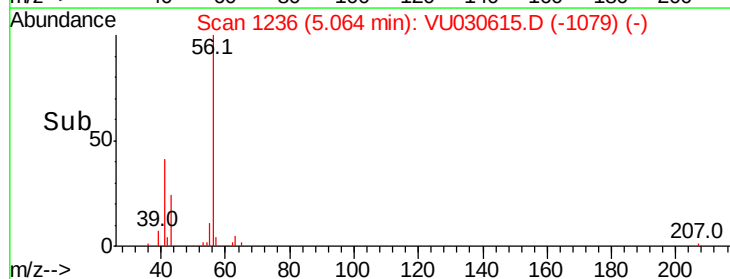
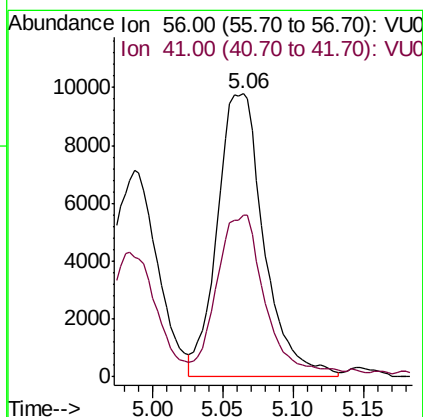
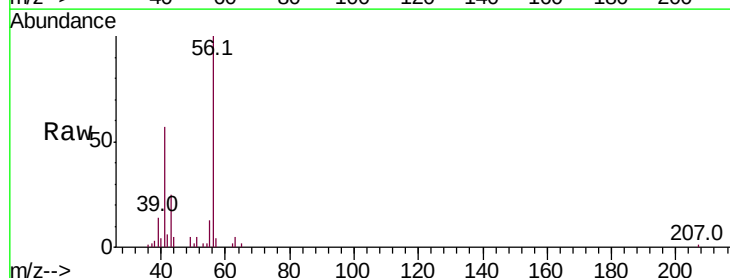
RT: 5.06 min Scan# 1236

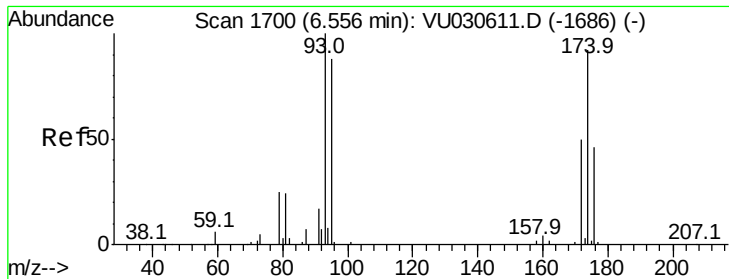
Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	56	Resp:	22551
Ion	Ratio	Lower	Upper
56	100		
41	54.0	27.6	82.8





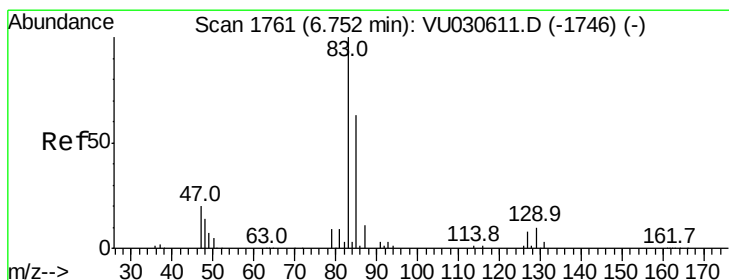
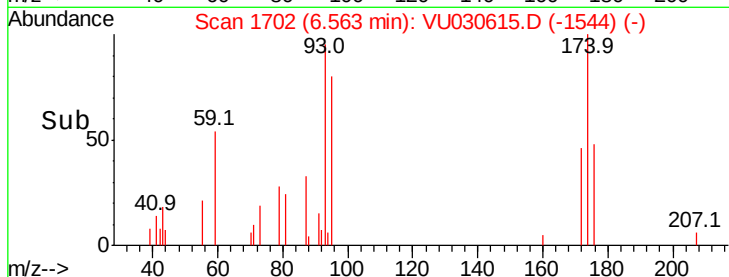
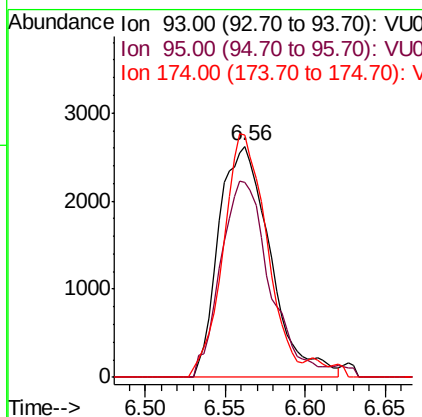
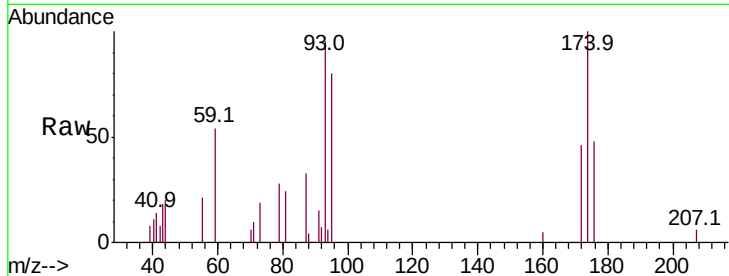
#43
Dibromomethane
Concen: 1.140 ug/l
RT: 6.56 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 5799
Ion Ratio Lower Upper
93 100
95 80.2 65.7 98.5
174 88.4 70.3 105.5

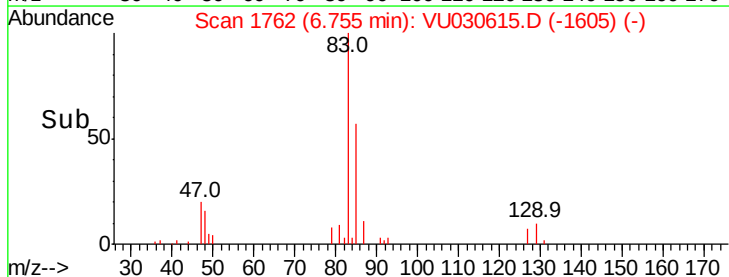
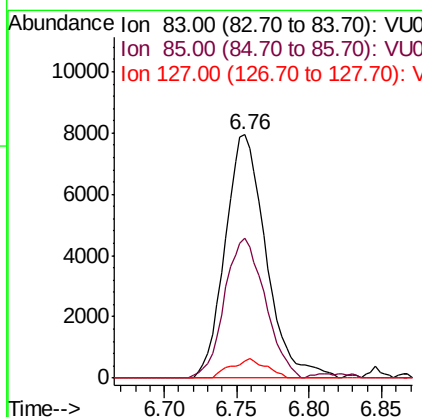
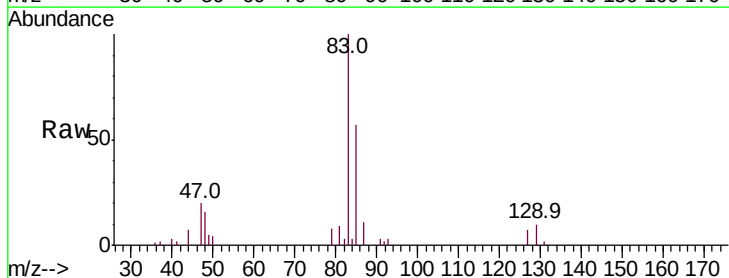
Manual Integrations
APPROVED

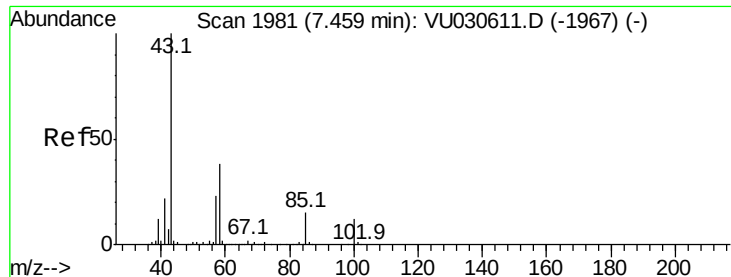
MMDadoda
4/3/2019 11:43:52 AM



#44
Bromodichloromethane
Concen: 1.273 ug/l
RT: 6.76 min Scan# 1762
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion: 83 Resp: 15584
Ion Ratio Lower Upper
83 100
85 57.4 50.6 76.0
127 7.1 6.6 10.0





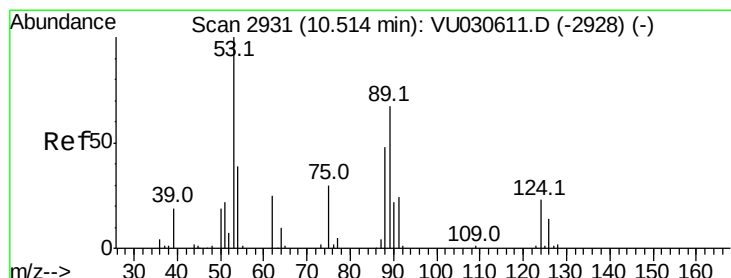
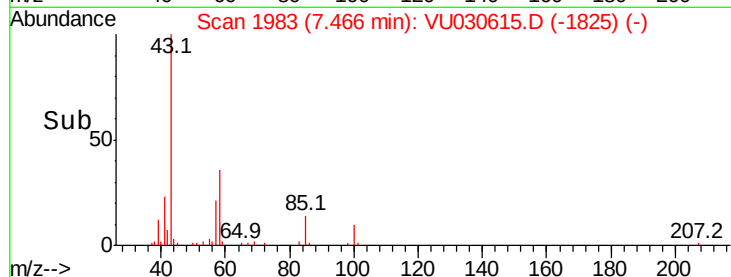
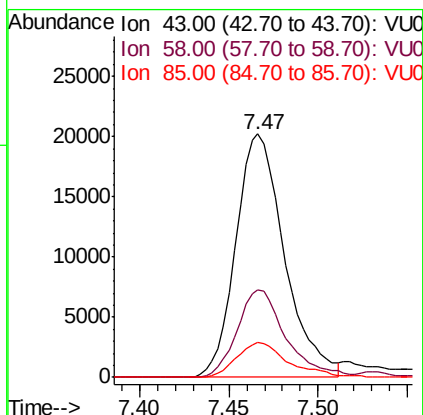
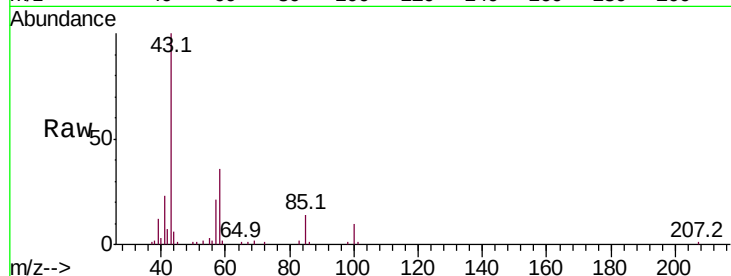
#45
4-Methyl-2-Pentanone
Concen: 6.989 ug/l
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.8	18.6	55.8
85	14.8	11.6	17.4

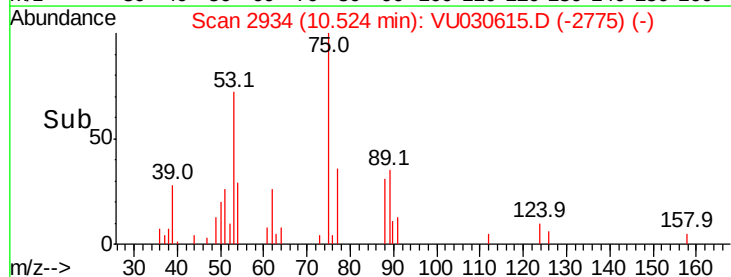
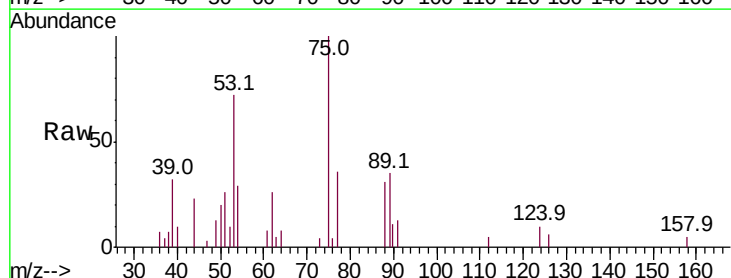
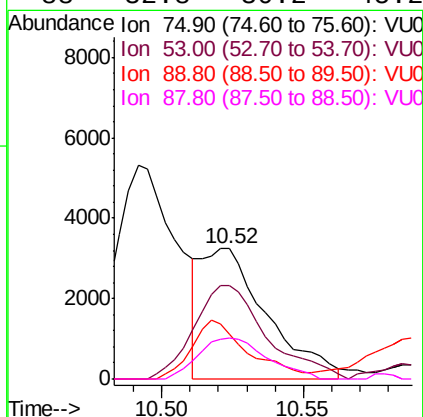
Manual Integrations
APPROVED

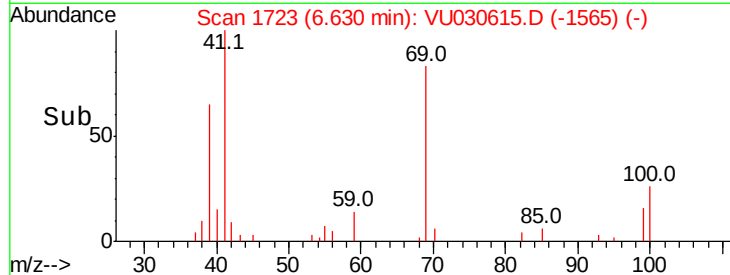
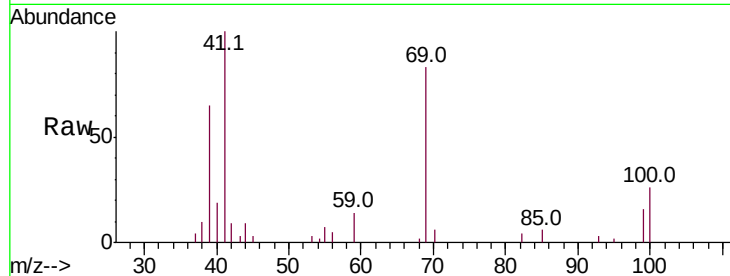
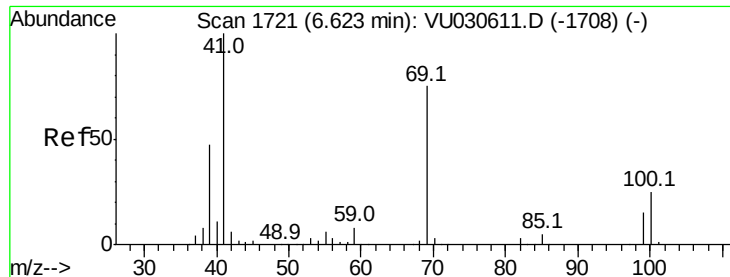
MMDadoda
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#46
t-1,4-Dichloro-2-butene
Concen: 2.589 ug/l m
RT: 10.52 min Scan# 2934
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.7	64.3	96.5
89	38.8	40.8	61.2#
88	32.8	30.2	45.2





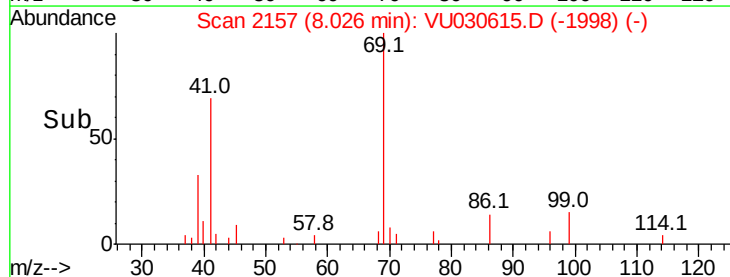
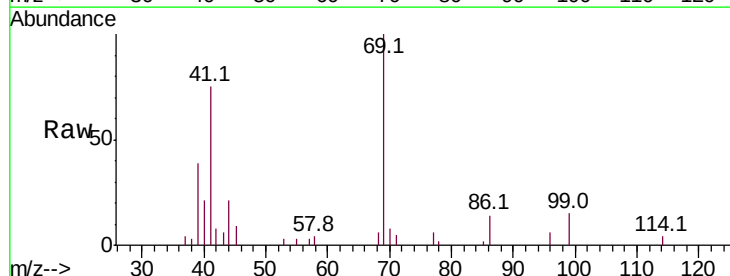
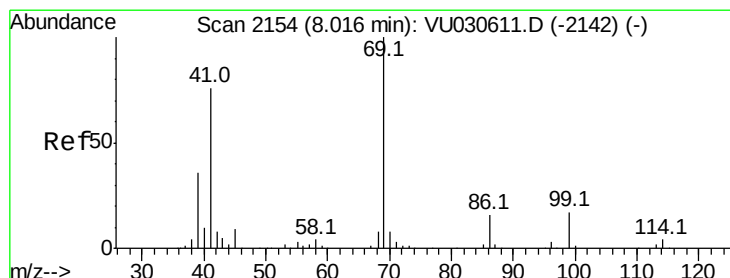
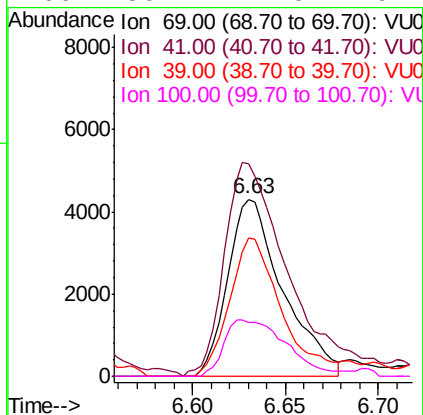
#47
Methyl methacrylate
Concen: 2.034 ug/l
RT: 6.63 min Scan# 1723
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	141.7	0.0	263.2	
39	73.5	50.7	76.1	
100	36.2	27.0	40.4	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

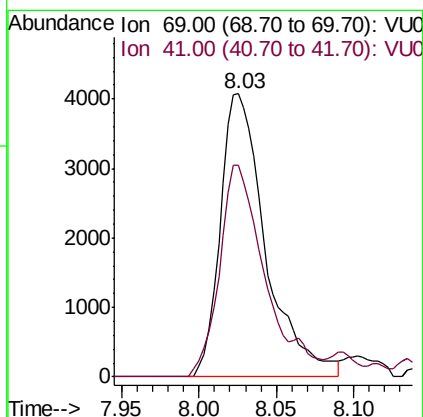
Manual Integrations
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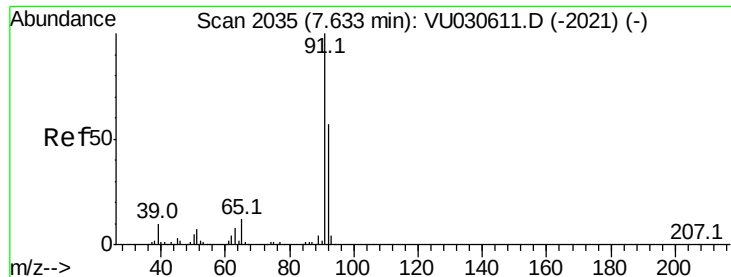
MMDadoda
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#48
Ethyl methacrylate
Concen: 1.022 ug/l
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	75.4	37.3	111.9	





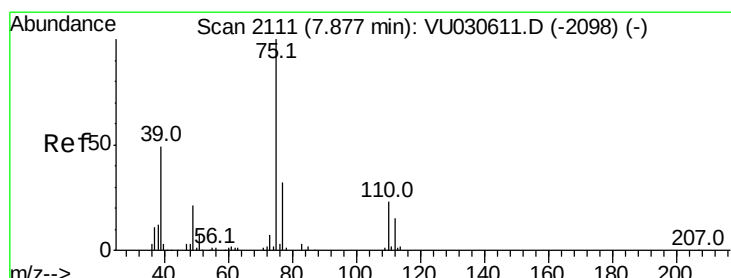
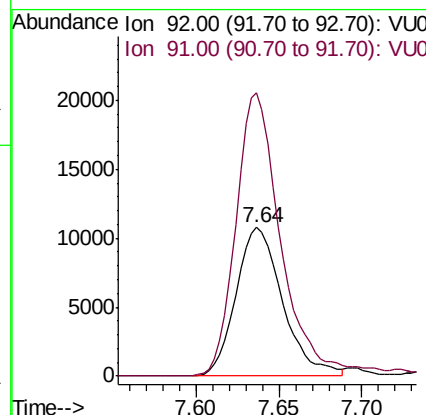
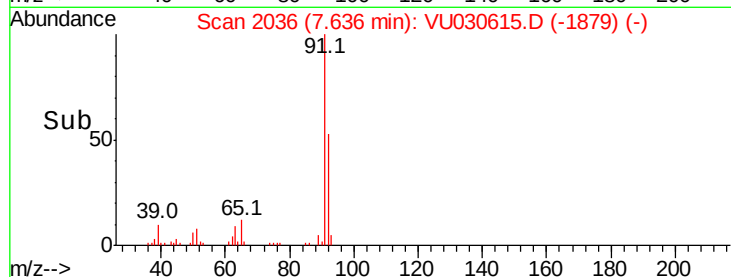
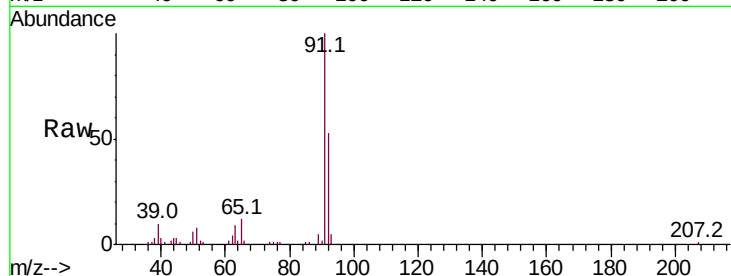
#49
Toluene
Concen: 0.924 ug/l
RT: 7.64 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
92	100		
91	186.0	142.1	213.1

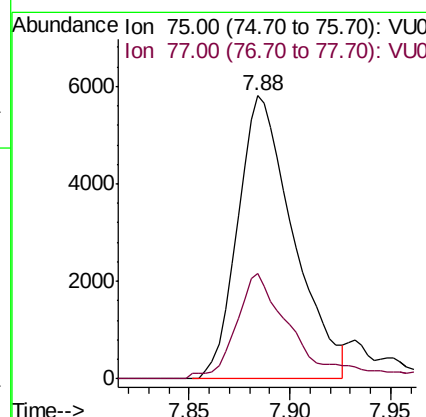
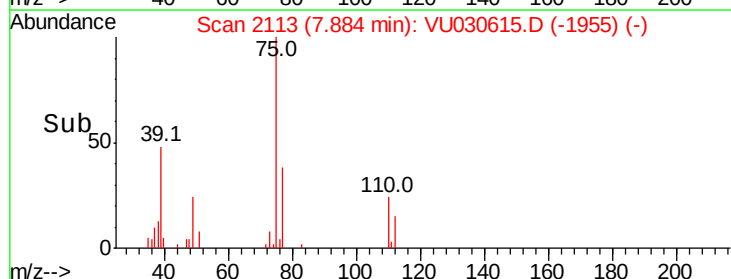
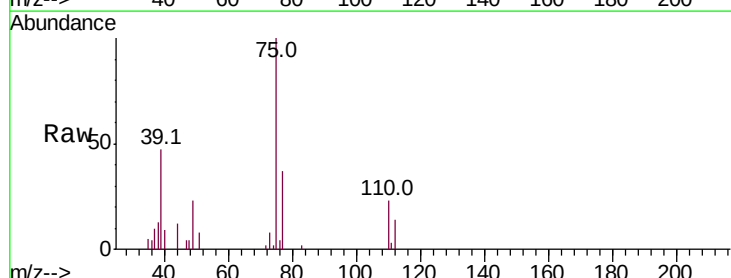
Manual Integrations
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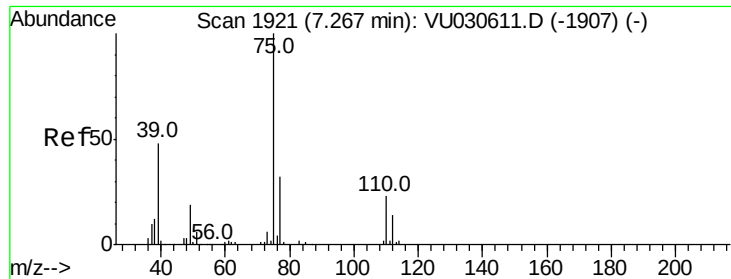
MMDadoda
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#50
t-1,3-Dichloropropene
Concen: 1.022 ug/l
RT: 7.88 min Scan# 2113
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.4	38.0





#51

cis-1,3-Dichloropropene

Concen: 1.076 ug/l

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VU030615.D

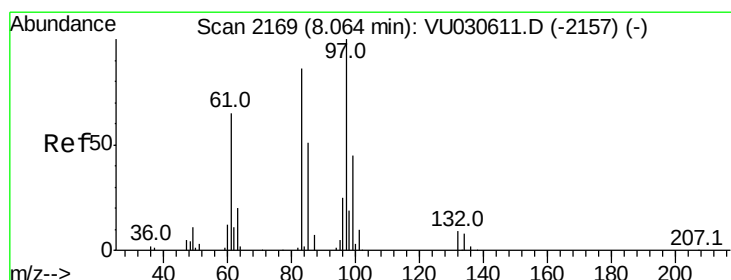
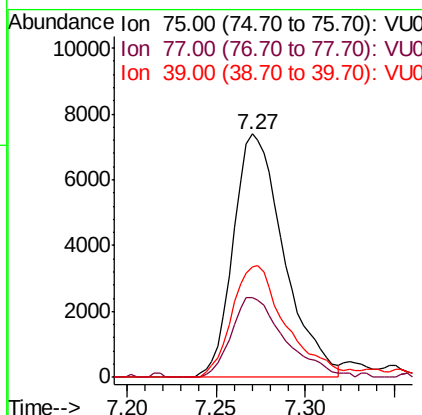
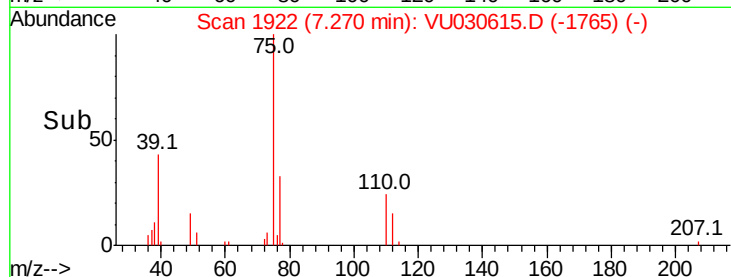
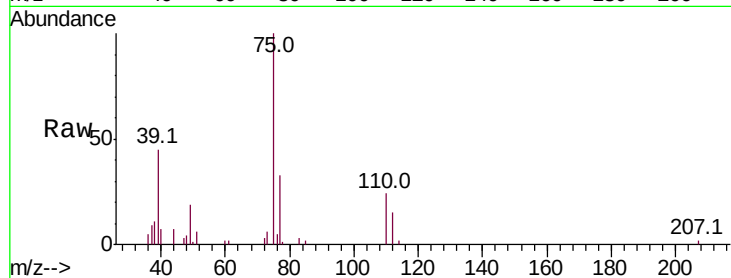
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.0
39	45.2	38.5	57.7

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#52

1,1,2-Trichloroethane

Concen: 1.162 ug/l

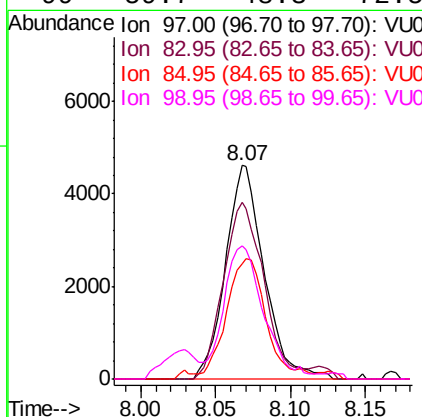
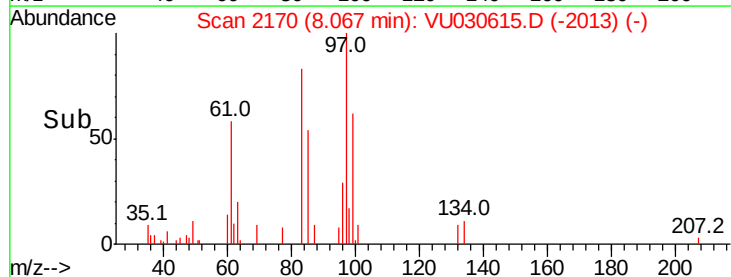
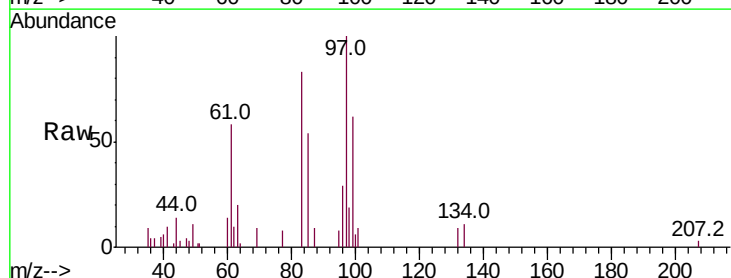
RT: 8.07 min Scan# 2170

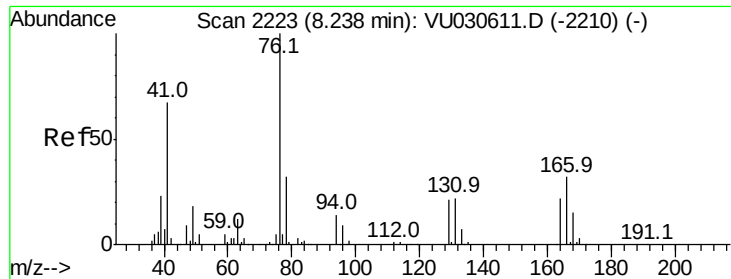
Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.6	103.0
85	51.5	41.8	62.8
99	59.7	48.3	72.5





#53

1,3-Dichloropropane

Concen: 1.138 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 13815

Ion Ratio Lower Upper

76 100

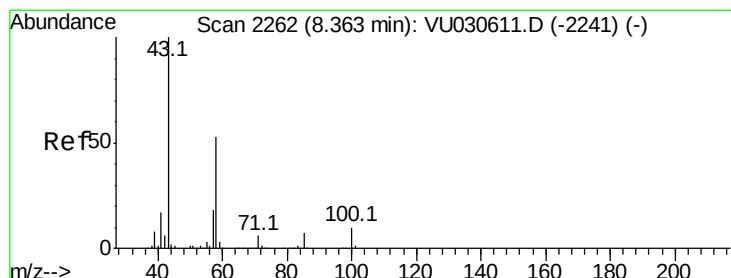
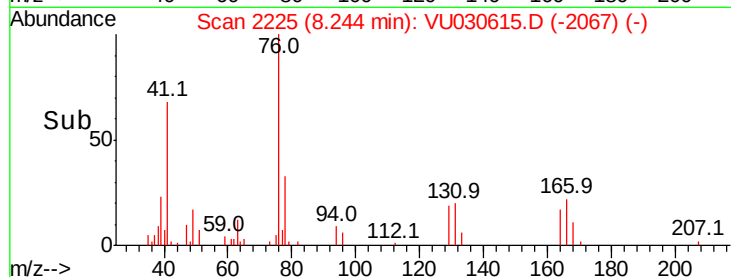
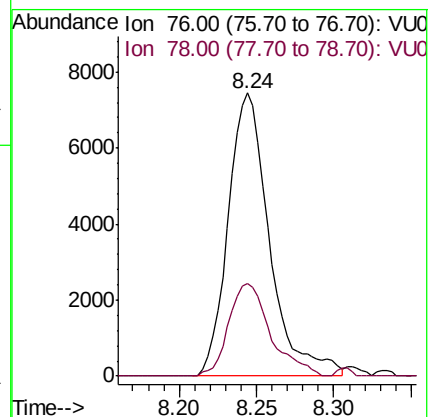
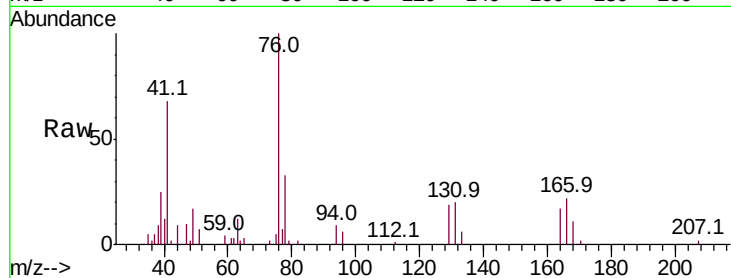
78 33.1 25.2 37.8

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#54

2-Hexanone

Concen: 6.344 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

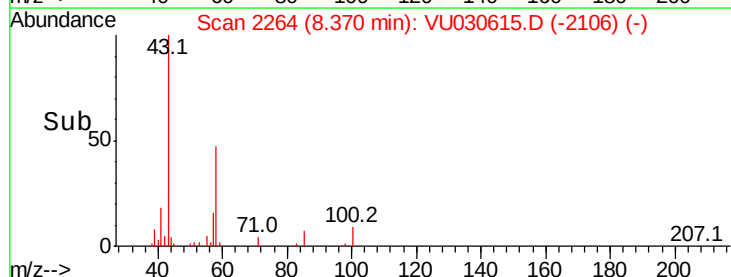
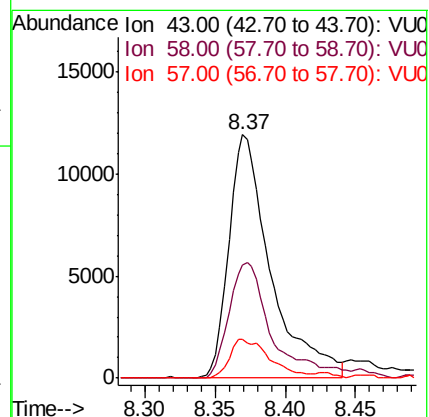
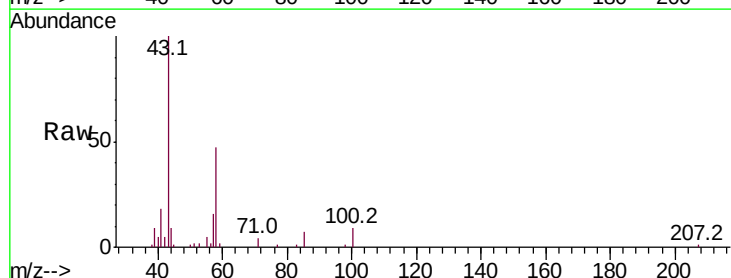
Tgt Ion: 43 Resp: 24794

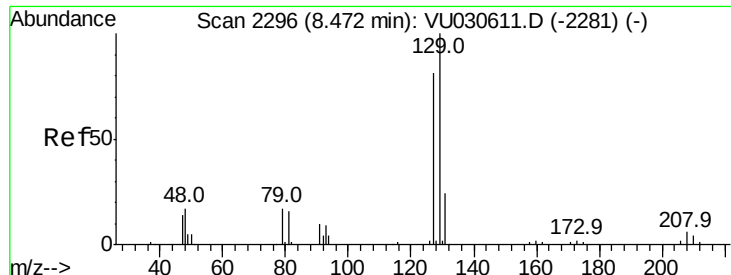
Ion Ratio Lower Upper

43 100

58 46.5 33.1 73.1

57 15.3 0.0 38.1





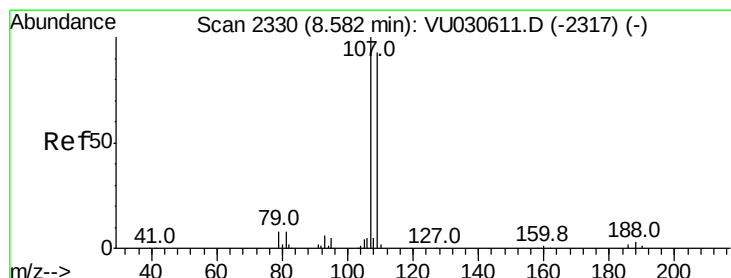
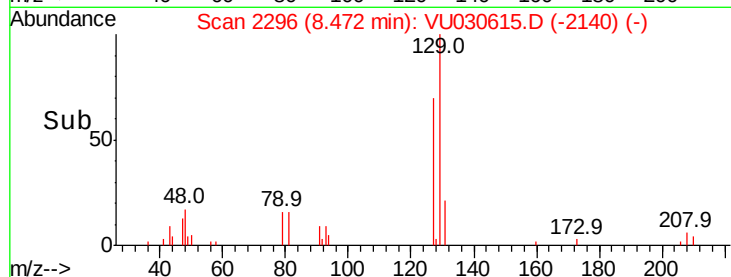
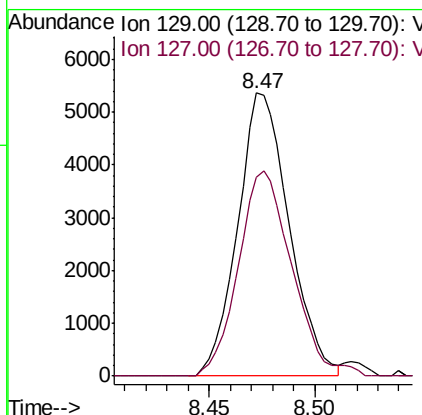
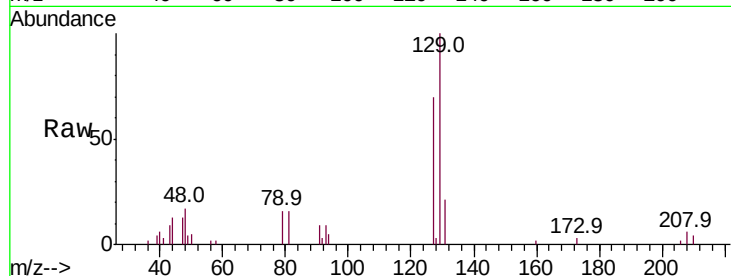
#55
Dibromochloromethane
Concen: 1.070 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.5	62.8	94.2

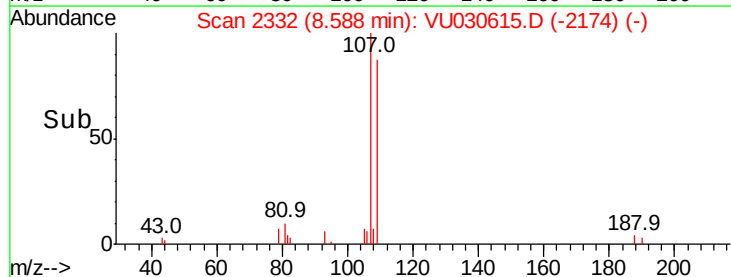
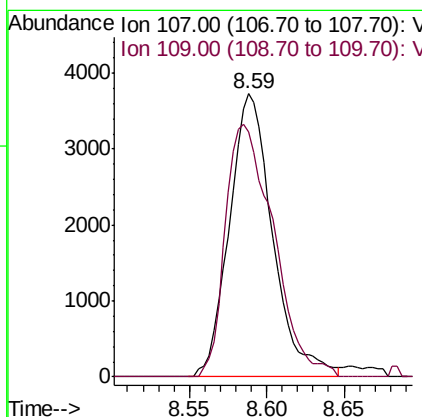
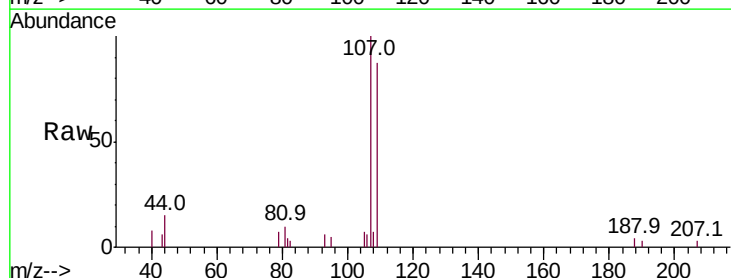
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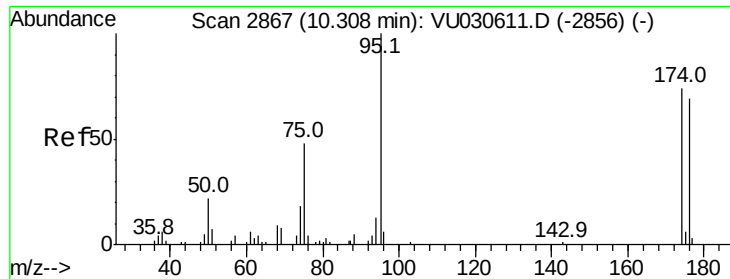
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#56
1,2-Dibromoethane
Concen: 1.064 ug/l
RT: 8.59 min Scan# 2332
Delta R.T. 0.01 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.0	0.0	187.2





#57

4-Bromofluorobenzene

Concen: 1.064 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

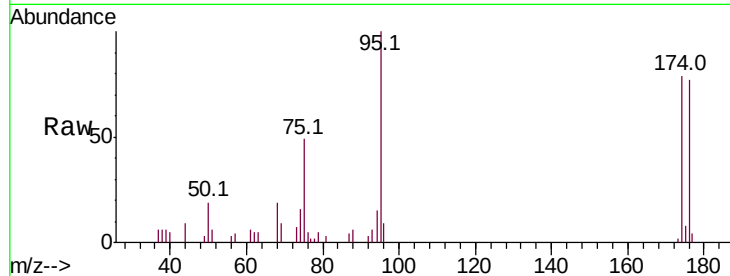
ClientSampleId :

VSTDIC001

Tot Ion:	95	Resp:	11401
Ion Ratio	Lower	Upper	
95	100		
174	71.6	59.1	88.7
176	69.4	55.7	83.5

Manual Integrations
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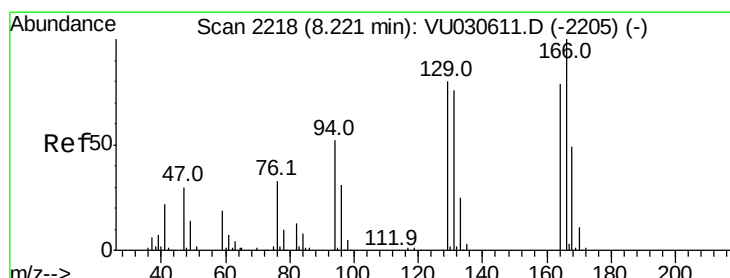
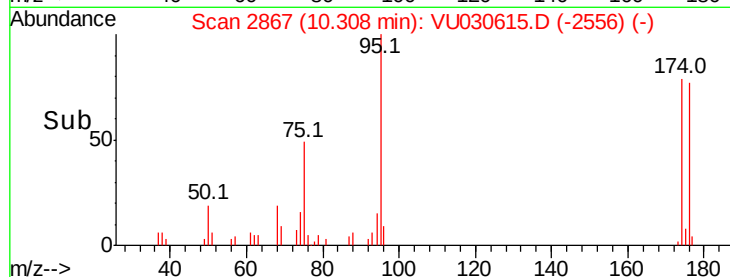
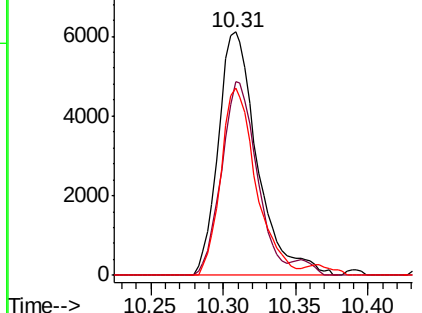


Abundance

Ion 95.00 (94.70 to 95.70): VU030611.D (-2856) (-)

Ion 174.00 (173.70 to 174.70): VU030611.D (-2856) (-)

Ion 176.00 (175.70 to 176.70): VU030611.D (-2856) (-)



#58

Tetrachloroethene

Concen: 0.995 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	164	Resp:	9616
Ion Ratio	Lower	Upper	
164	100		
166	126.3	101.0	151.4
129	93.4	80.6	120.8
131	88.1	76.9	115.3

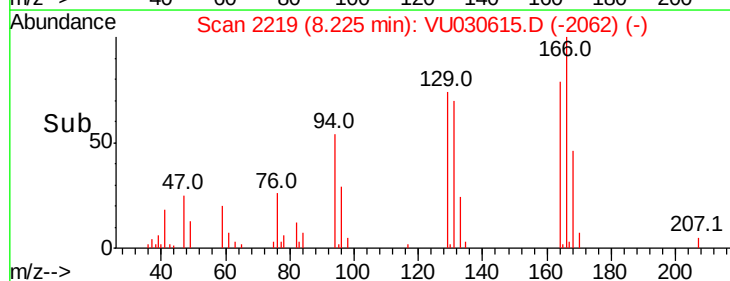
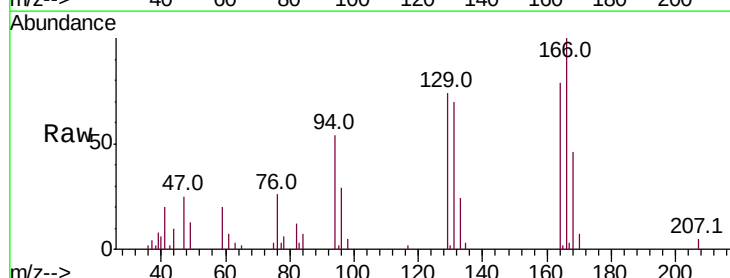
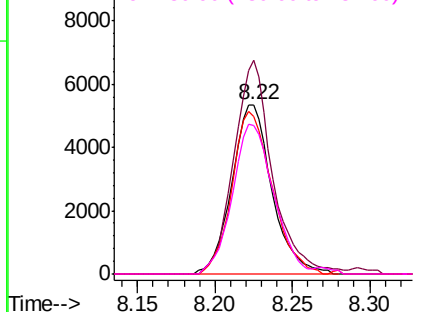
Abundance

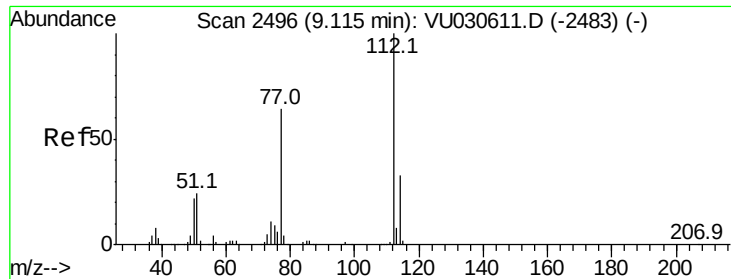
Ion 163.85 (163.55 to 164.55): VU030615.D (-2062) (-)

Ion 165.80 (165.50 to 166.50): VU030615.D (-2062) (-)

Ion 128.90 (128.60 to 129.60): VU030615.D (-2062) (-)

Ion 130.90 (130.60 to 131.60): VU030615.D (-2062) (-)





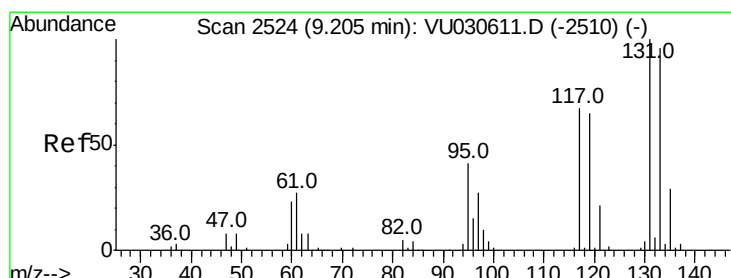
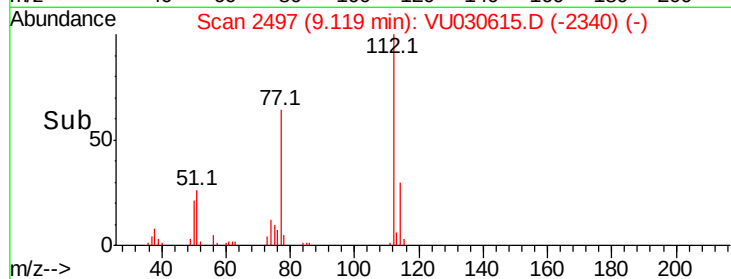
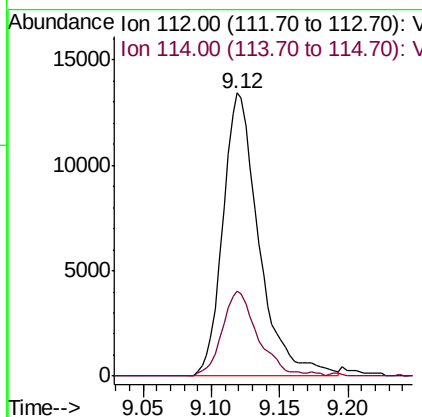
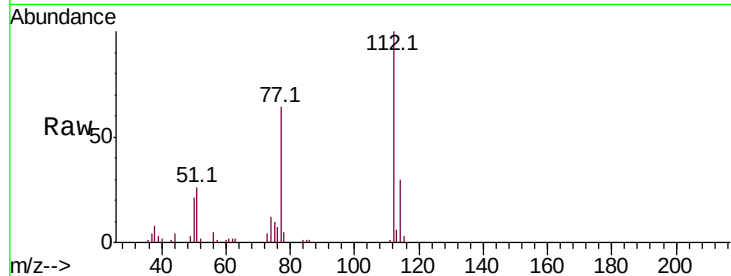
#59
Chlorobenzene
Concen: 0.960 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 24680
Ion Ratio Lower Upper
112 100
114 30.0 26.2 39.4

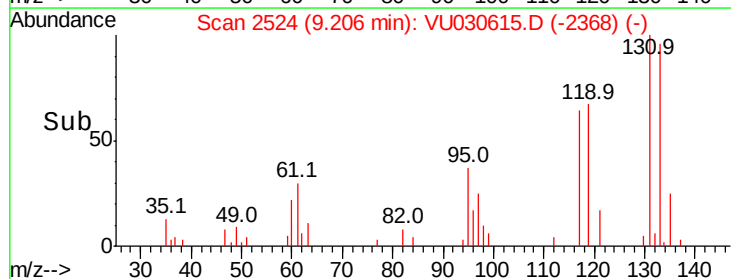
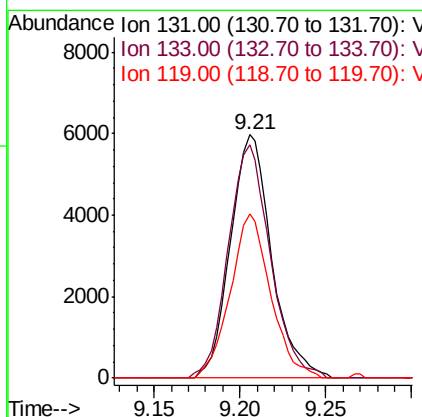
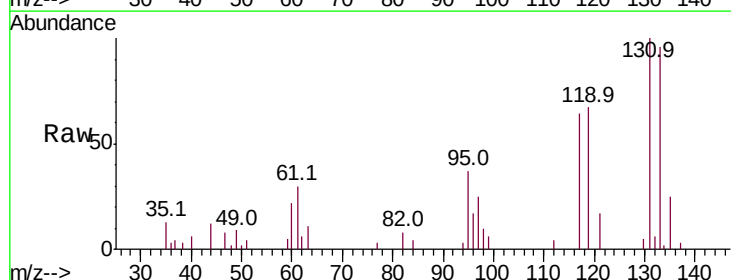
Manual Integrations
APPROVED

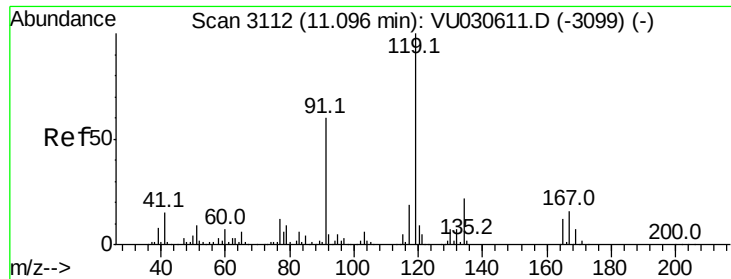
MMDadoda
4/3/2019 11:43:52 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.084 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion:131 Resp: 9933
Ion Ratio Lower Upper
131 100
133 97.9 75.0 112.6
119 66.3 52.2 78.2





#61

Pentachloroethane

Concen: 1.102 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 7792

Ion Ratio Lower Upper

117 100

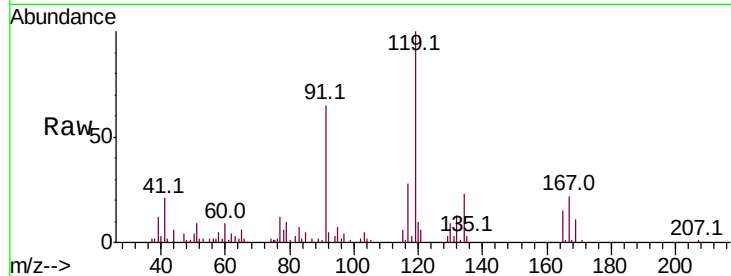
167 74.8 65.6 98.4

Manual Integrations

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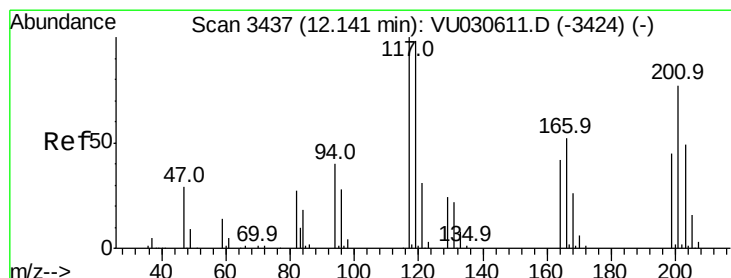
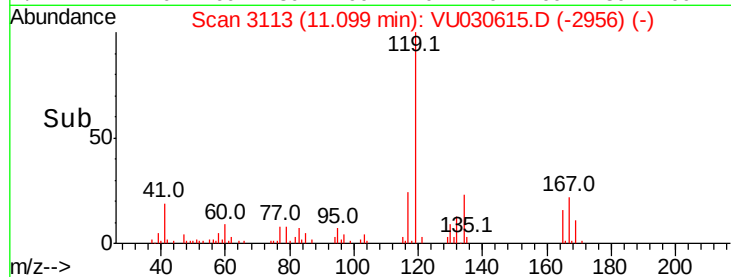
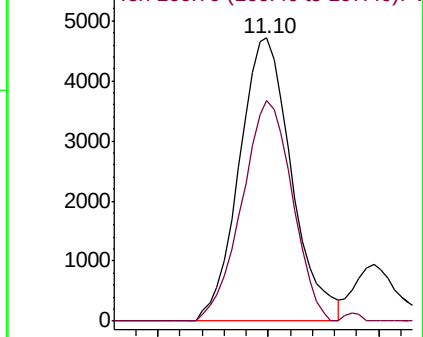
MMDadoda

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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: 0.995 ug/l

RT: 12.14 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VU030615.D

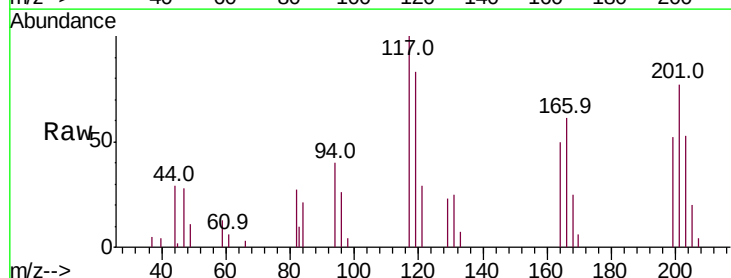
Acq: 02 Apr 2019 22:35

Tgt Ion:117 Resp: 6967

Ion Ratio Lower Upper

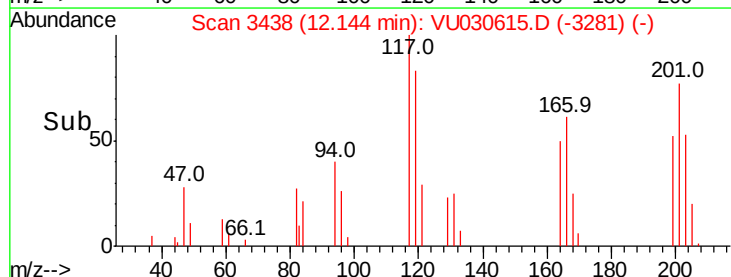
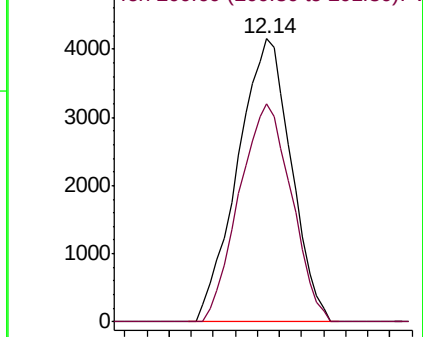
117 100

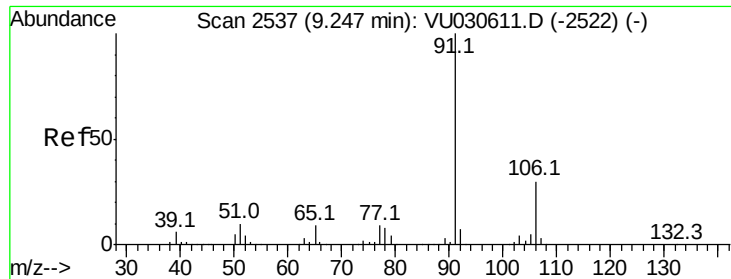
201 75.2 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





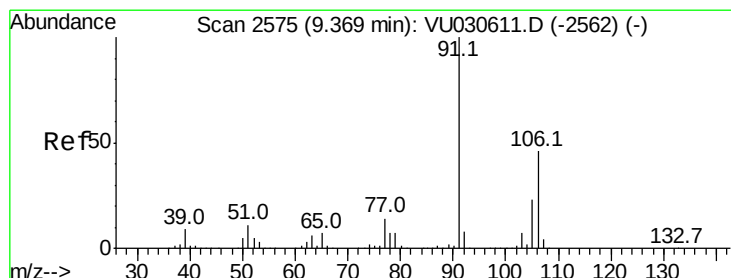
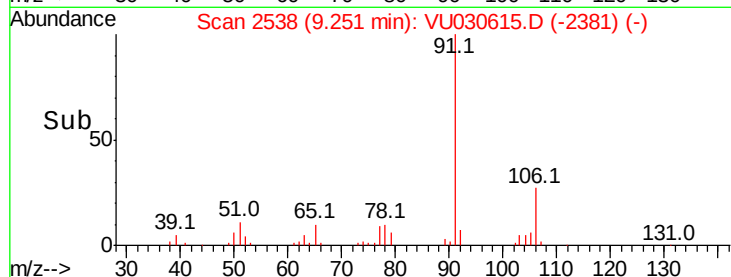
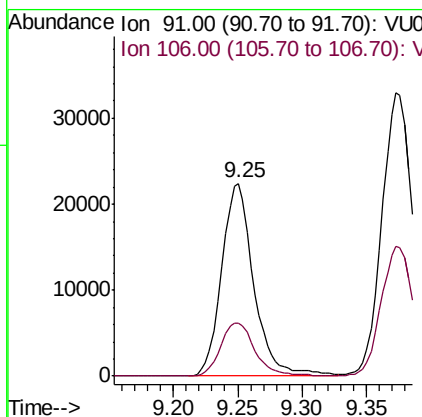
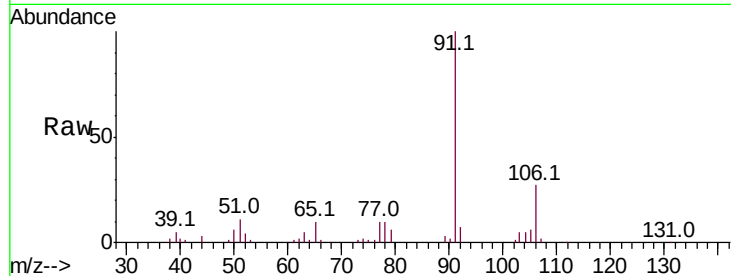
#63
Ethyl Benzene
Concen: 0.908 ug/l
RT: 9.25 min Scan# 2538
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 38795
Ion Ratio Lower Upper
91 100
106 27.4 23.7 35.5

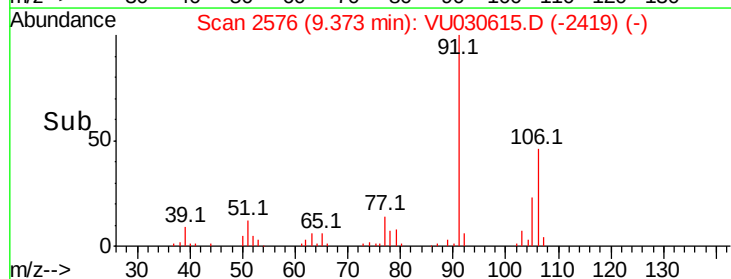
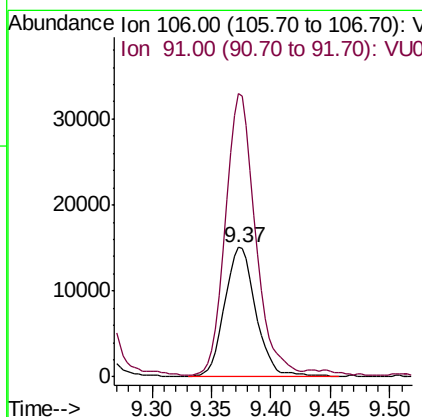
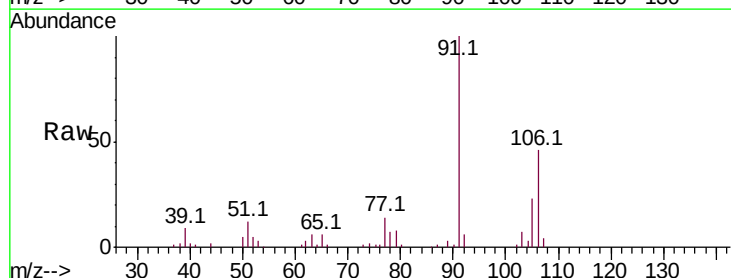
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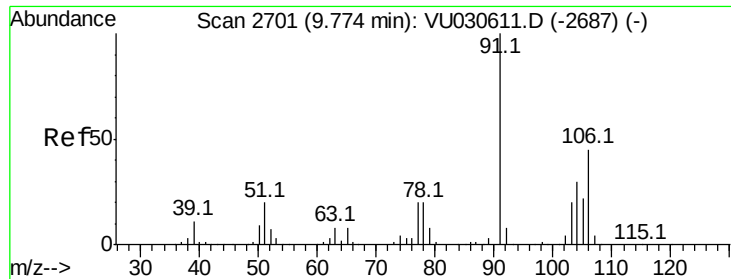
MMDadoda
4/3/2019 11:43:52 AM



#64
m/p-Xylenes
Concen: 1.670 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion: 106 Resp: 27604
Ion Ratio Lower Upper
106 100
91 206.7 173.8 260.8





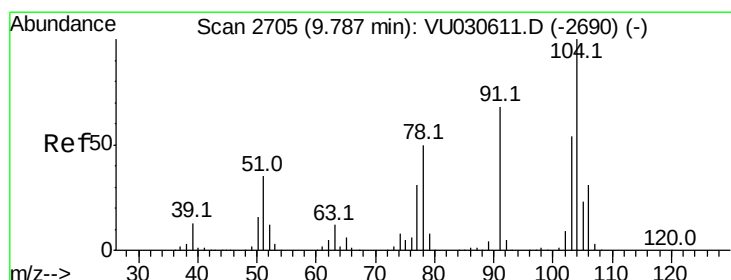
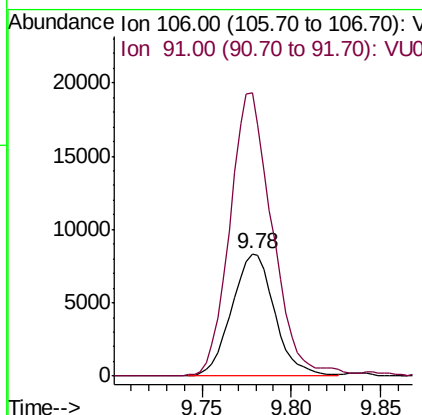
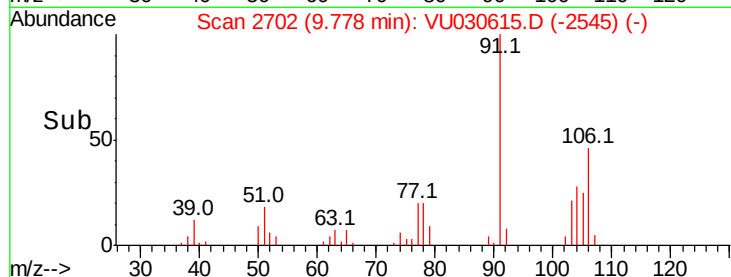
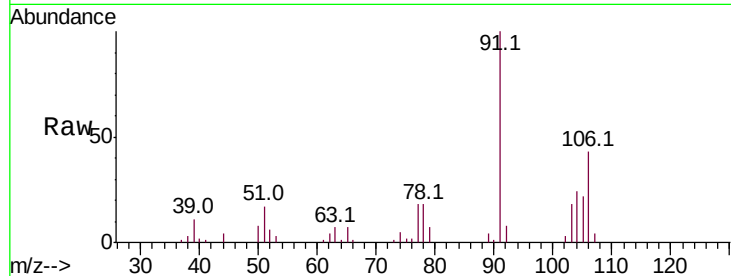
#65
o-Xylene
Concen: 0.859 ug/l
RT: 9.78 min Scan# 2702
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 13912
Ion Ratio Lower Upper
106 100
91 229.3 111.8 335.3

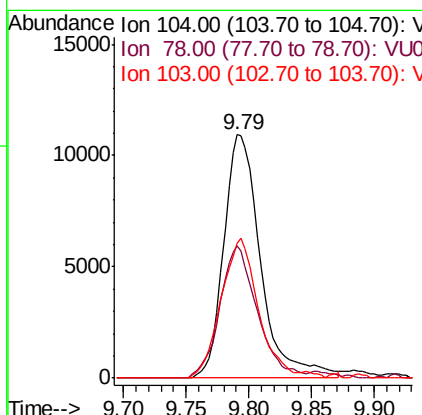
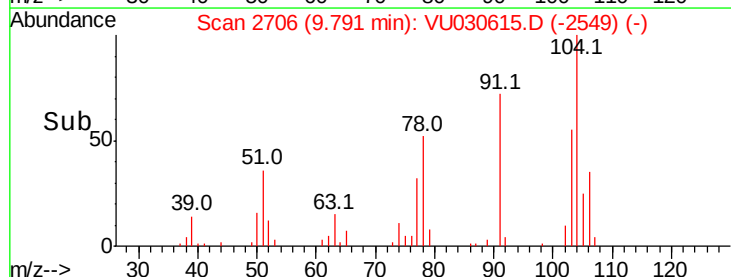
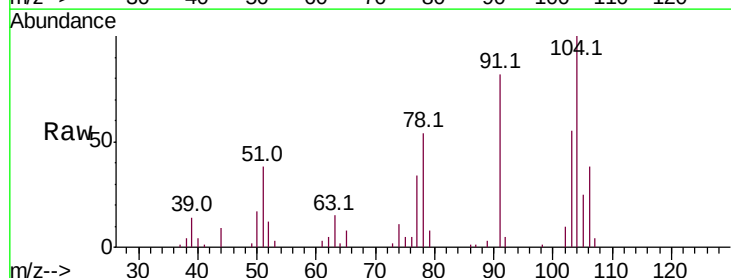
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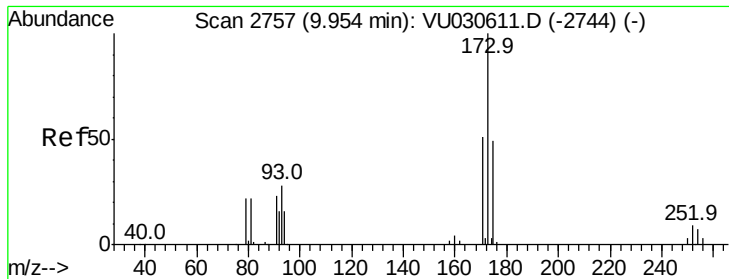
MMDadoda
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#66
Styrene
Concen: 0.836 ug/l
RT: 9.79 min Scan# 2706
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion:104 Resp: 22350
Ion Ratio Lower Upper
104 100
78 54.9 43.0 64.6
103 57.5 45.6 68.4





#67

Bromoform

Concen: 1.048 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

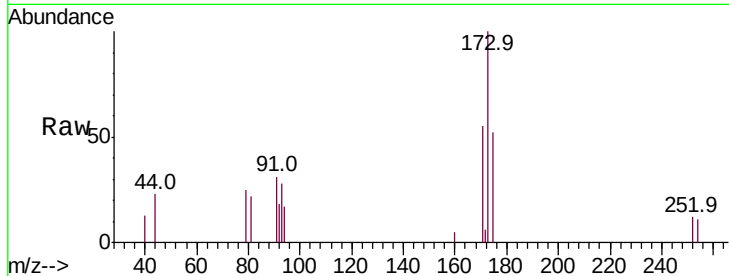
ClientSampleId :

VSTDIC001

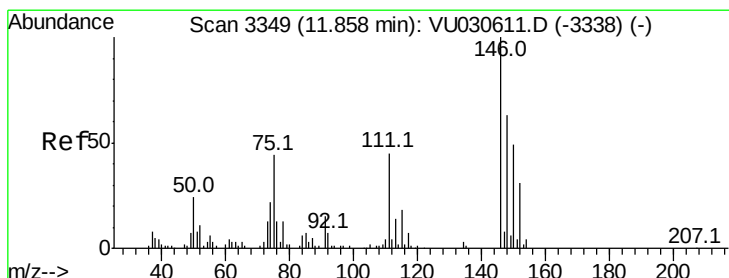
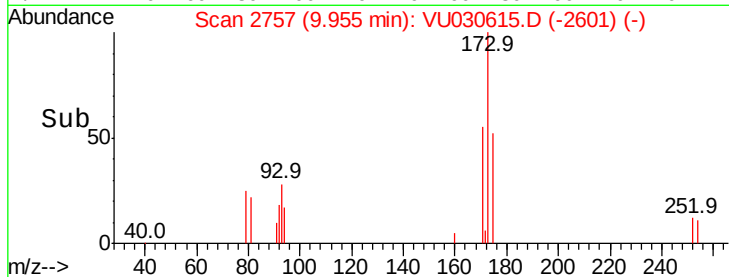
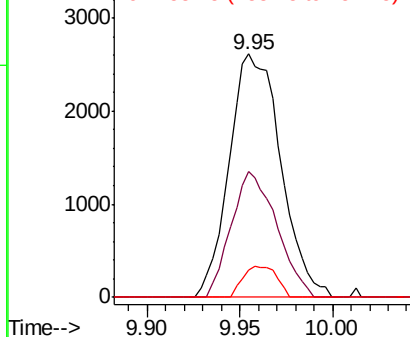
Tot Ion:	173	Resp:	5053
Ion Ratio	Lower	Upper	
173	100		
175	45.7	39.2	58.8
254	8.3	6.4	9.6

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



#68

1,2-Dichlorobenzene-d4

Concen: 1.048 ug/l

RT: 11.86 min Scan# 3350

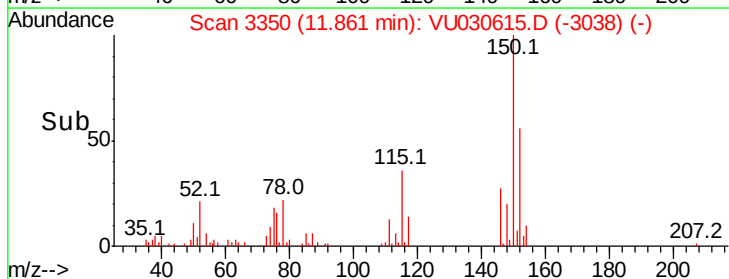
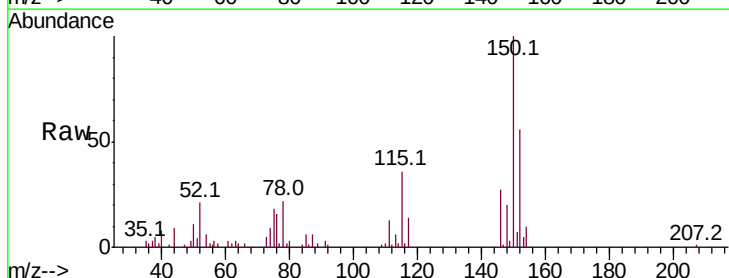
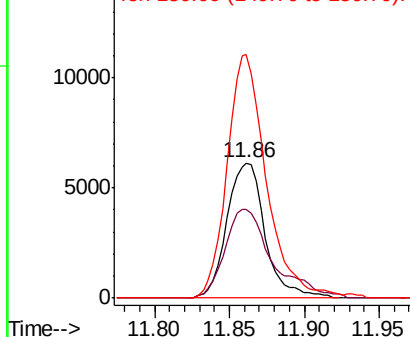
Delta R.T. 0.00 min

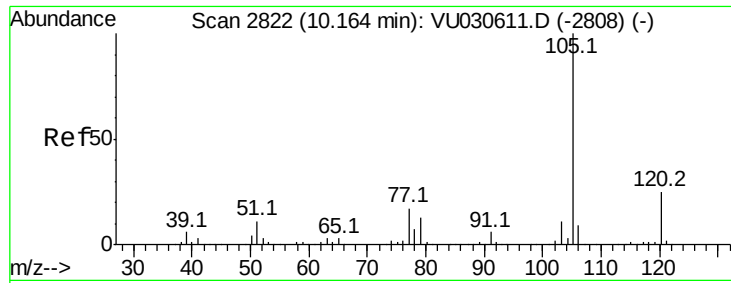
Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	152	Resp:	10839
Ion Ratio	Lower	Upper	
152	100		
115	81.8	0.0	122.4
150	187.2	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





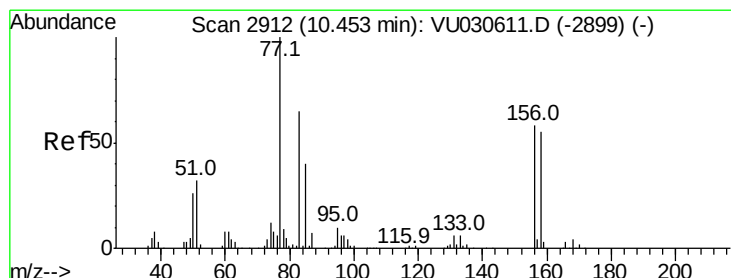
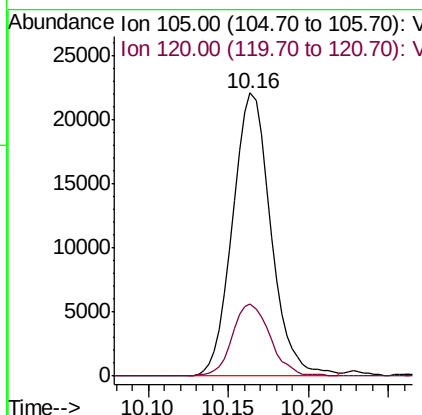
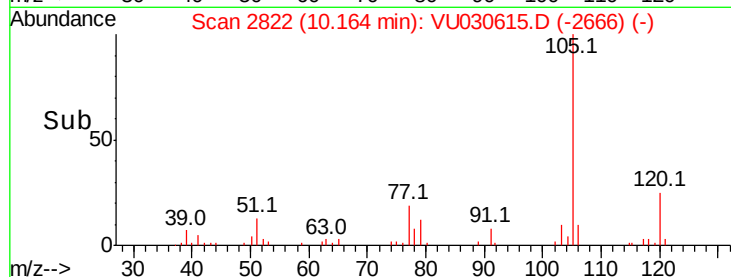
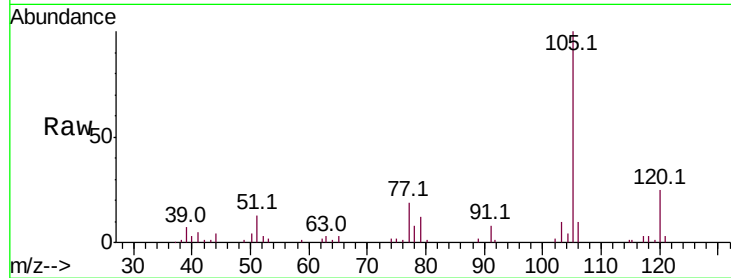
#69
Isopropylbenzene
Concen: 0.846 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	12.5	37.5

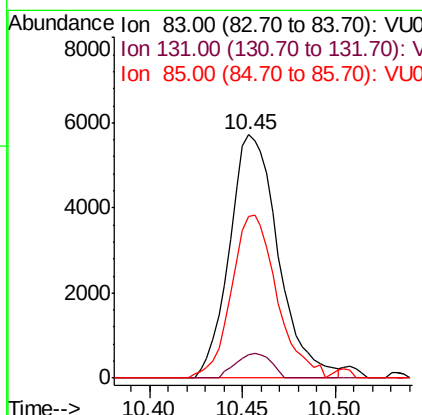
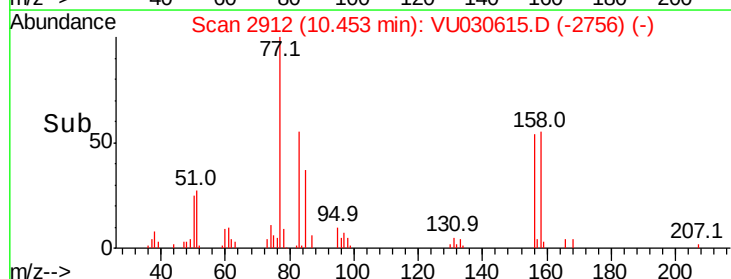
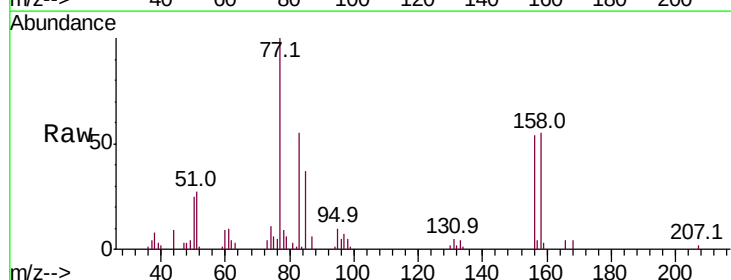
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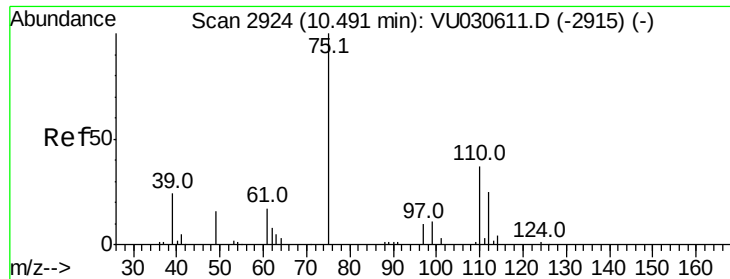
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#70
1,1,2,2-Tetrachloroethane
Concen: 1.170 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030615.D
Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
83	100		
131	7.3	7.5	11.3#
85	62.4	50.0	75.0





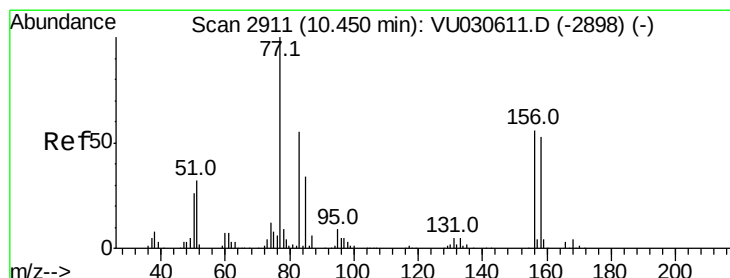
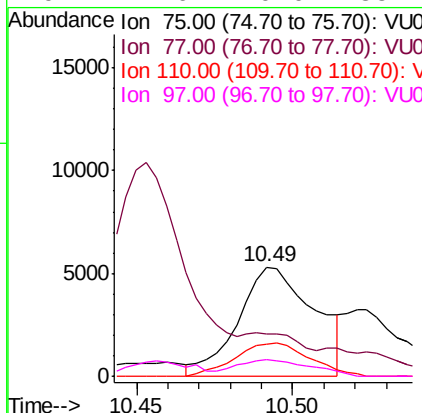
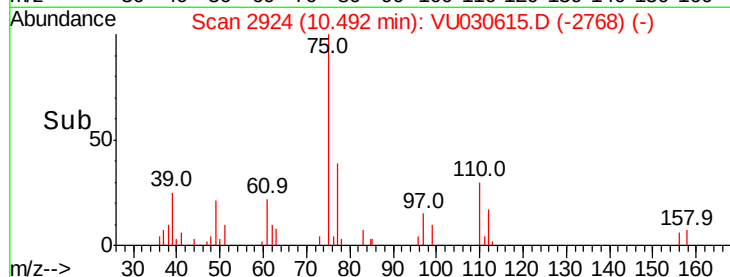
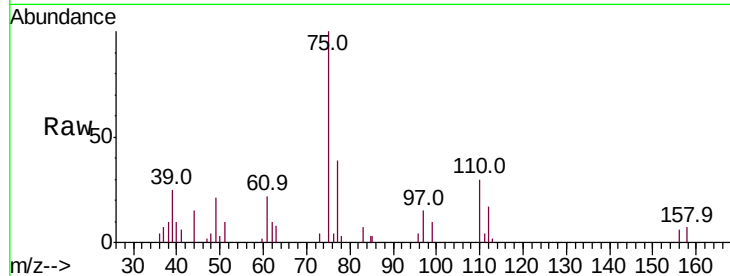
#71
 1,2,3-Trichloropropane
 Concen: 1.337 ug/l m
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
75	75.00 (74.70 to 75.70): VU0	100		
77	77.00 (76.70 to 77.70): VU0	0.0	0.0	0.0
110	110.00 (109.70 to 110.70): V	30.0	0.0	67.8
97	97.00 (96.70 to 97.70): VU0	14.6	0.0	35.2

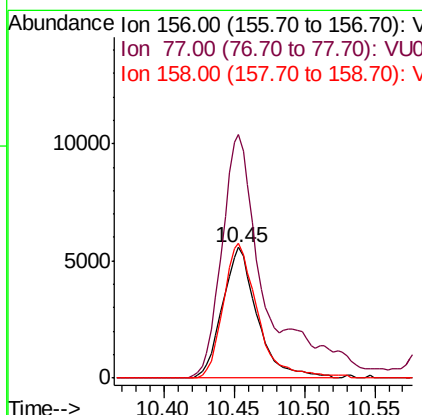
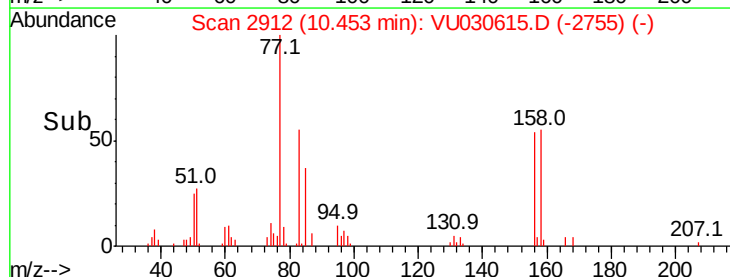
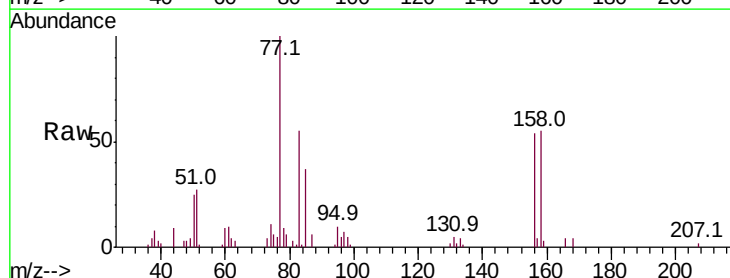
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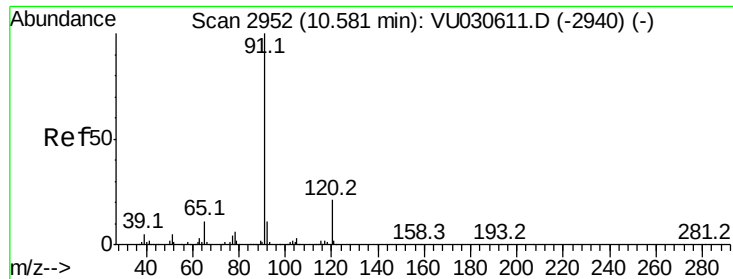
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#72
 Bromobenzene
 Concen: 0.872 ug/l
 RT: 10.45 min Scan# 2912
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ion	Ratio	Lower	Upper
156	156.00 (155.70 to 156.70): V	100		
77	77.00 (76.70 to 77.70): VU0	184.5	0.0	362.2
158	158.00 (157.70 to 158.70): V	102.1	0.0	192.4





#73

n-propylbenzene

Concen: 0.813 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 9702

Ion Ratio Lower Upper

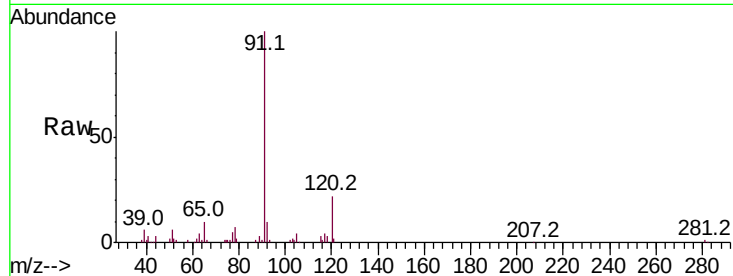
120 100

91 469.8 373.0 559.4

Manual Integrations
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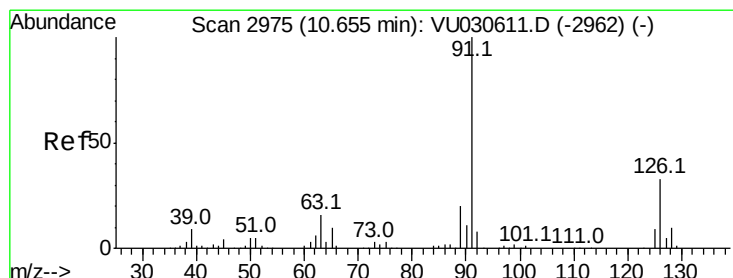
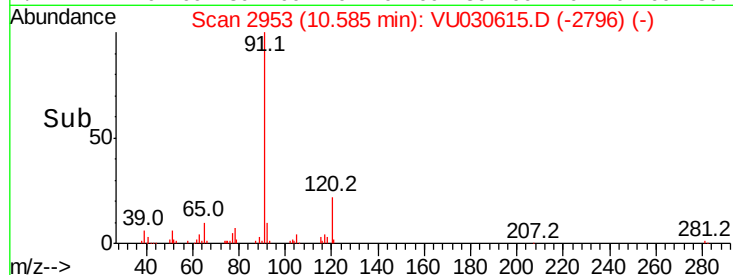
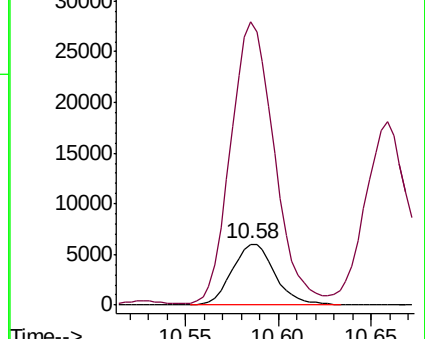
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.829 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030615.D

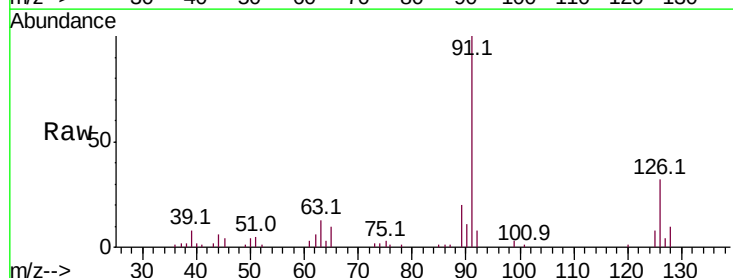
Acq: 02 Apr 2019 22:35

Tgt Ion:126 Resp: 8675

Ion Ratio Lower Upper

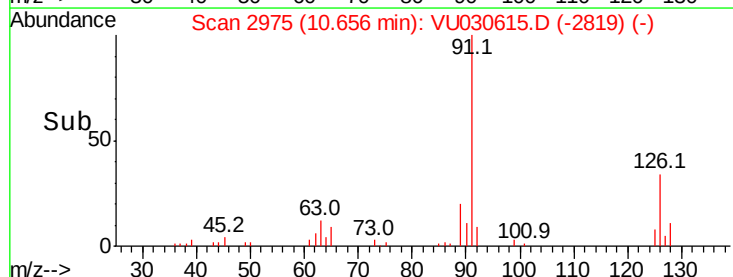
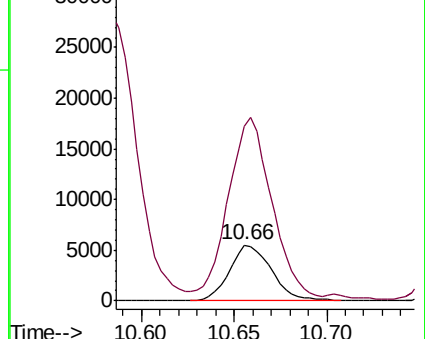
126 100

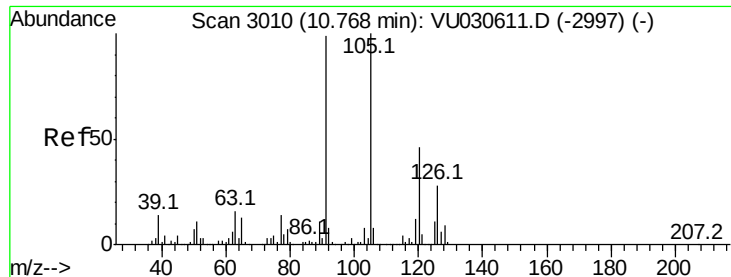
91 328.4 0.0 643.6



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: 0.838 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 30294

Ion Ratio Lower Upper

105 100

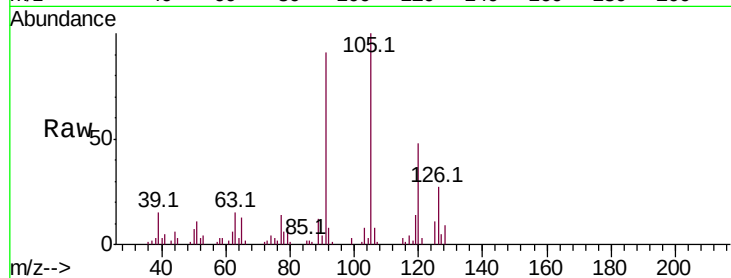
120 45.8 37.2 55.8

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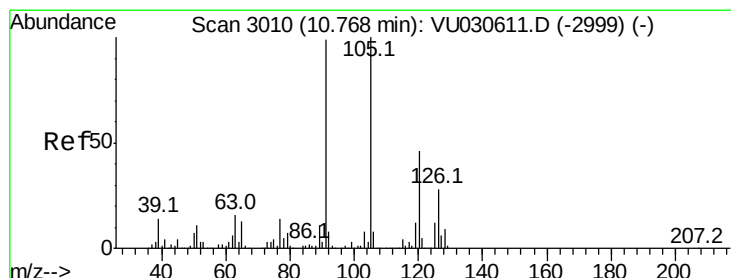
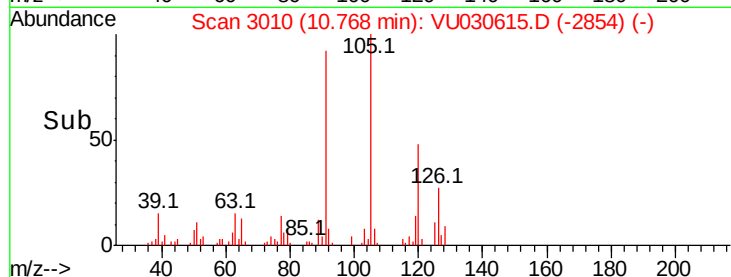
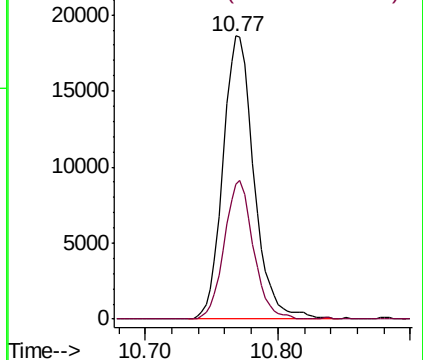
MMDadoda

4/3/2019 11:43:52 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.868 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030615.D

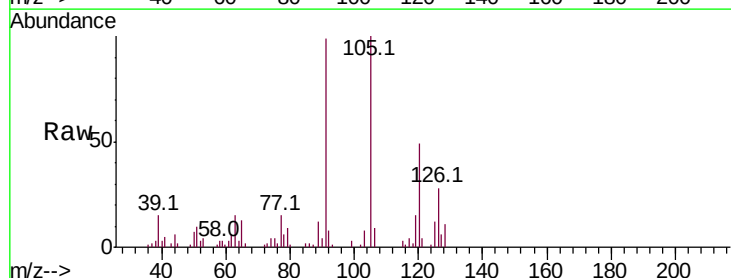
Acq: 02 Apr 2019 22:35

Tgt Ion:126 Resp: 9261

Ion Ratio Lower Upper

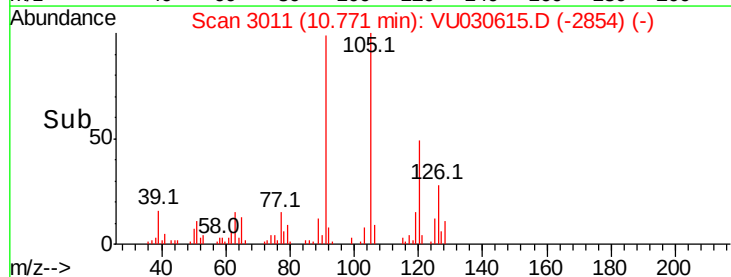
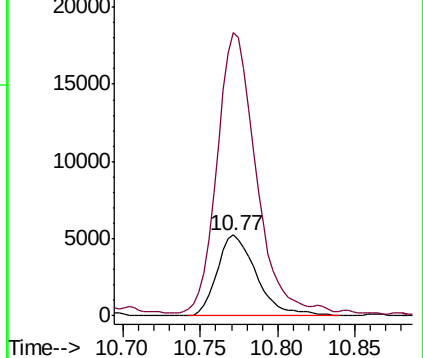
126 100

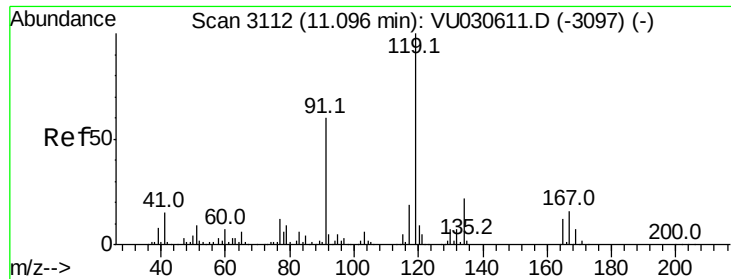
91 337.6 0.0 724.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.831 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

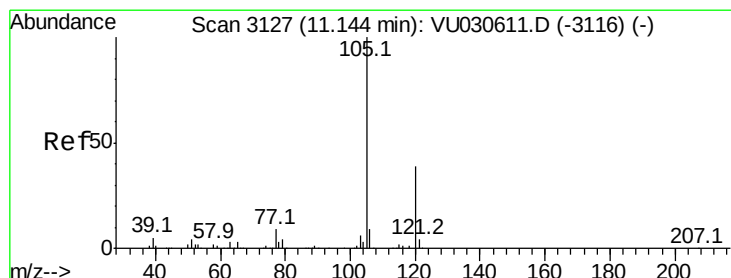
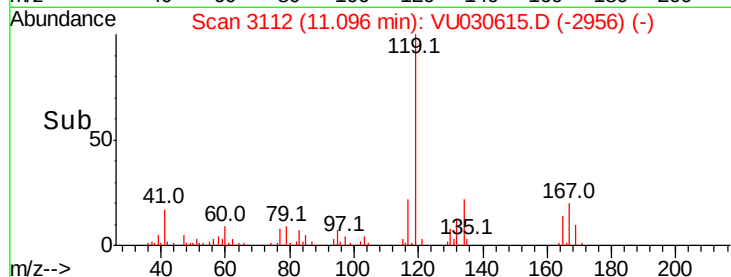
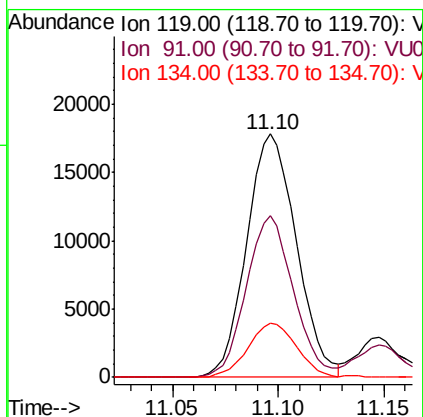
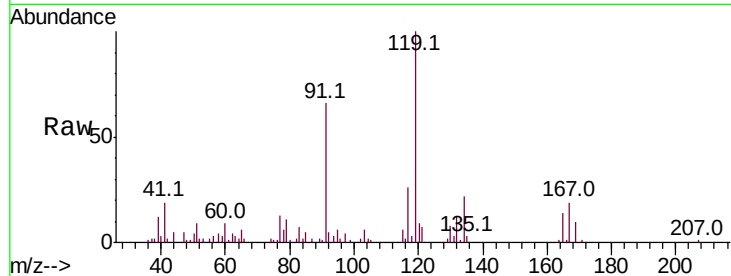
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	29237
Ion Ratio	Lower	Upper	
119	100		
91	62.8	30.7	92.1
134	21.6	17.5	26.3

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#78

1,2,4-Trimethylbenzene

Concen: 0.819 ug/l

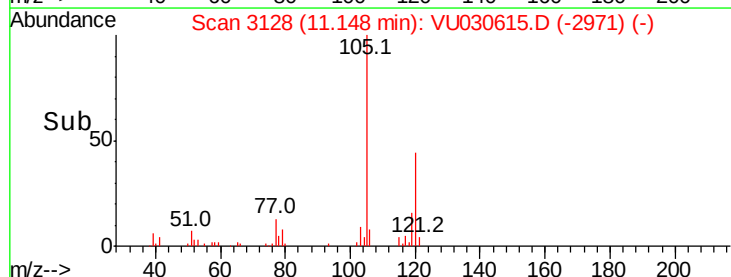
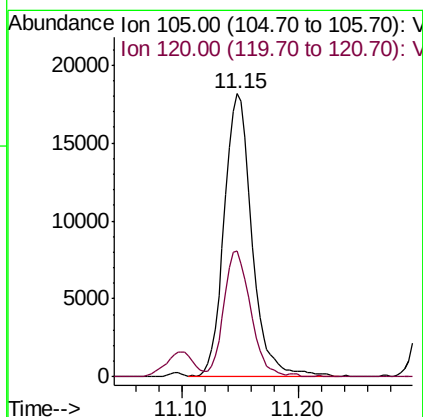
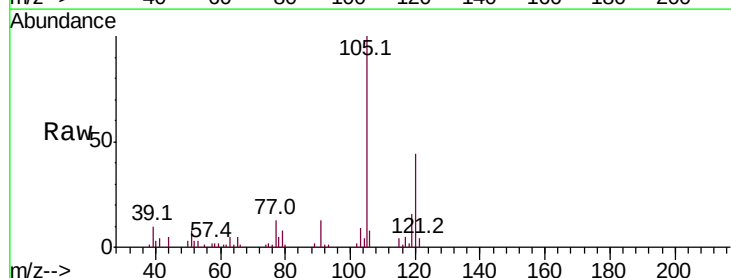
RT: 11.15 min Scan# 3128

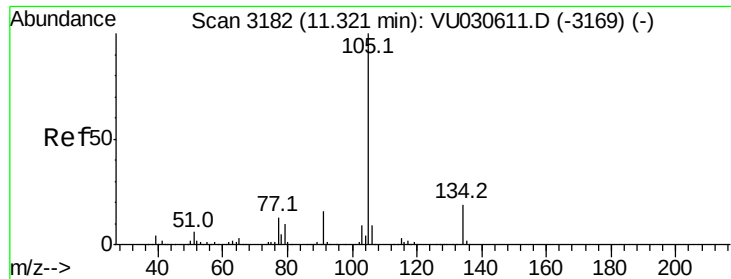
Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	105	Resp:	30123
Ion Ratio	Lower	Upper	
105	100		
120	41.6	21.9	65.5





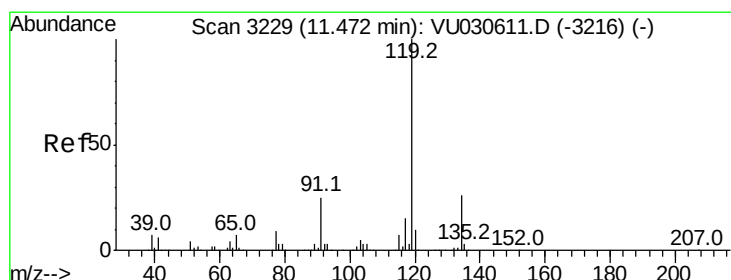
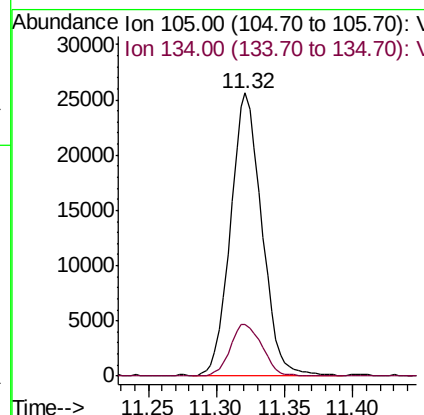
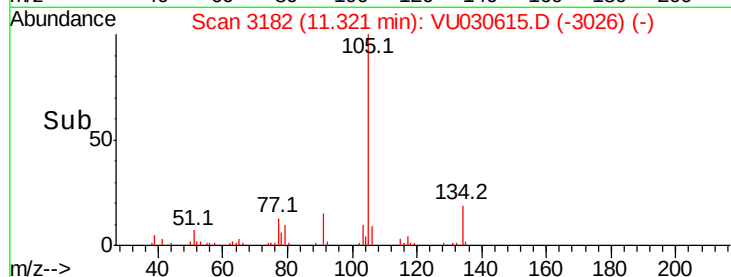
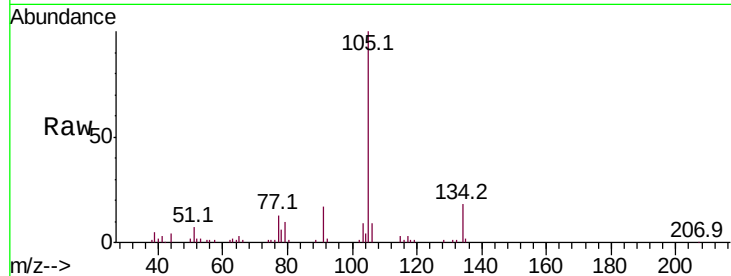
#79
 sec-Butylbenzene
 Concen: 0.864 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	15.0	22.6

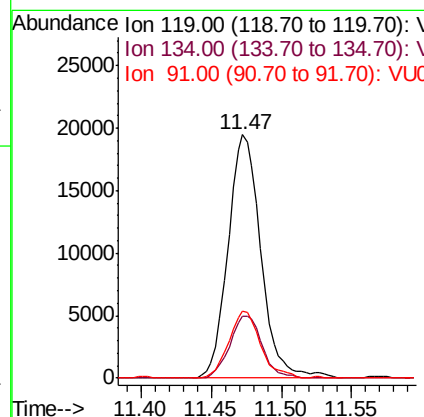
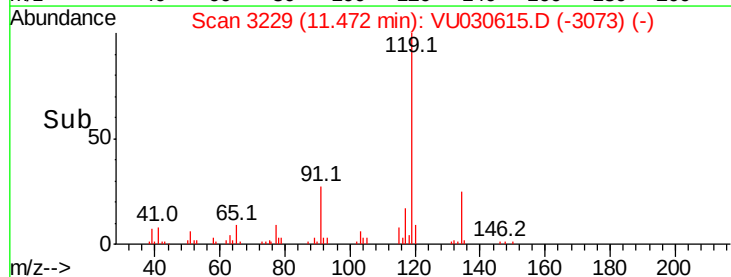
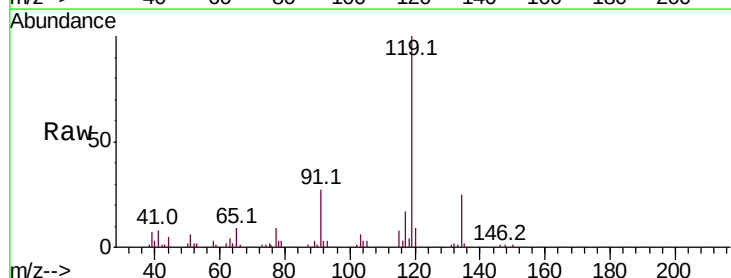
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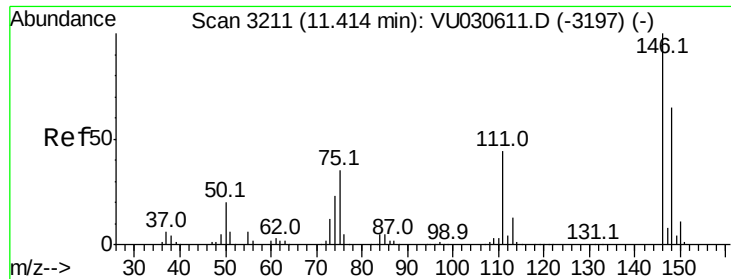
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#81
 p-Isopropyltoluene
 Concen: 0.803 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.3	30.5
91	26.5	20.2	30.4





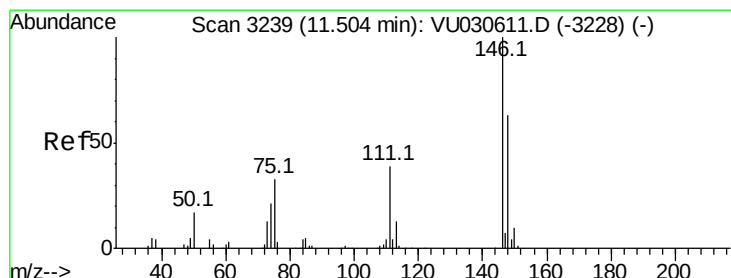
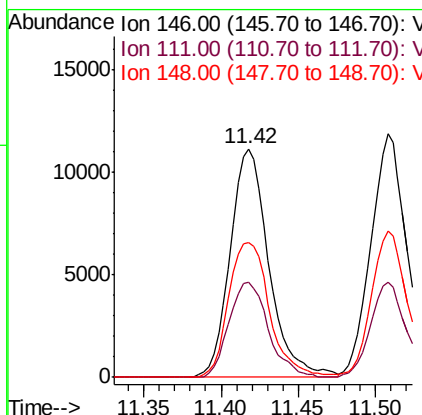
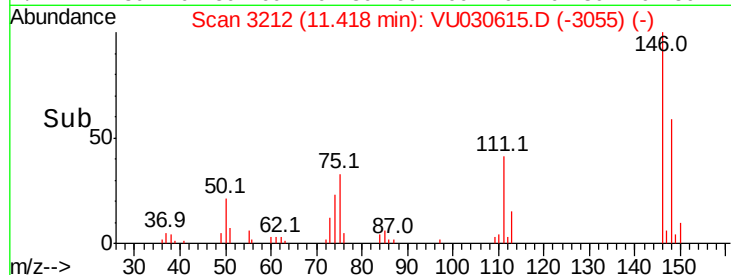
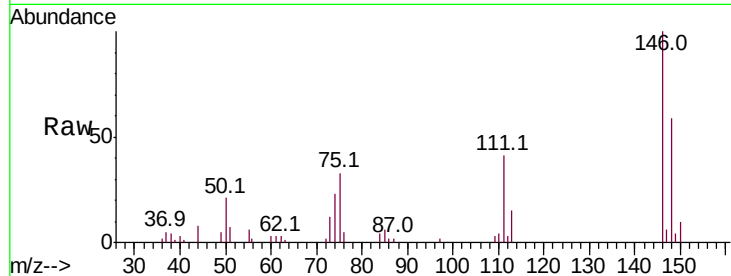
#82
 1,3-Dichlorobenzene
 Concen: 0.878 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	34.6	51.8
148	62.6	51.3	76.9

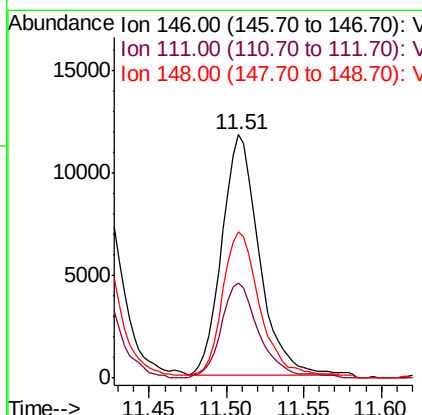
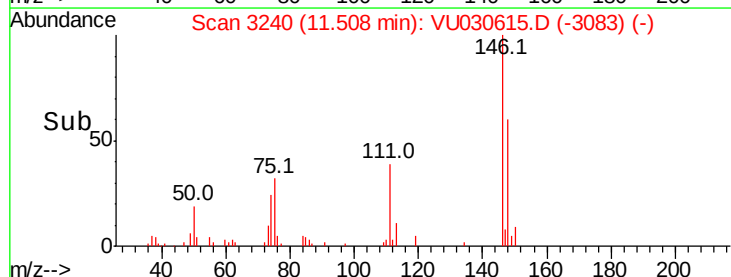
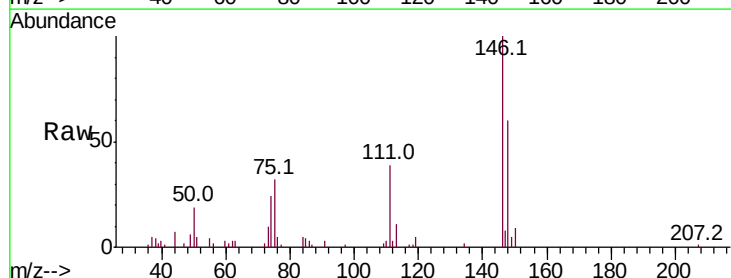
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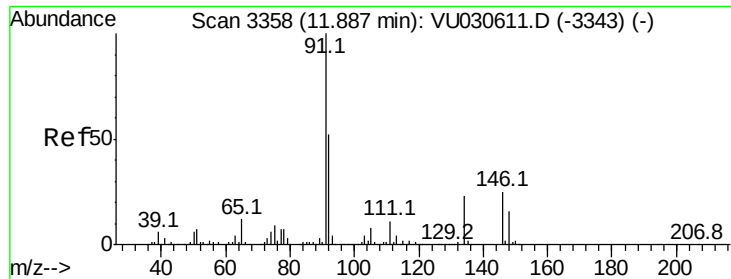
MMDadoda
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#83
 1,4-Dichlorobenzene
 Concen: 0.884 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.2	48.2
148	63.1	51.0	76.6





#84

n-Butylbenzene

Concen: 0.835 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

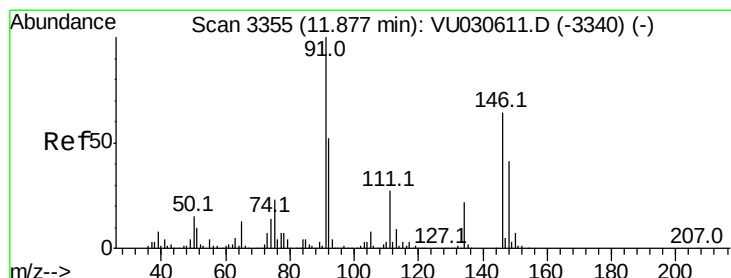
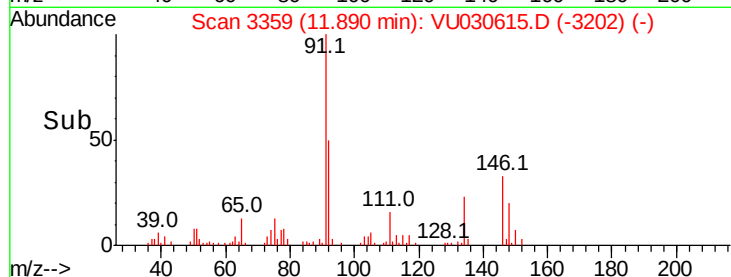
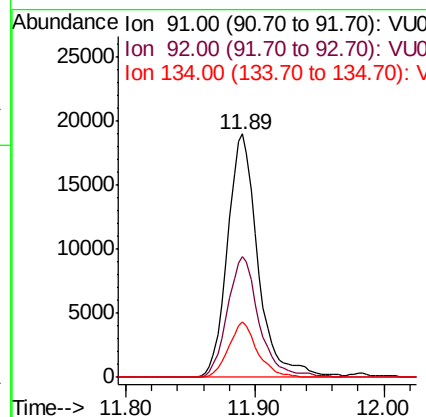
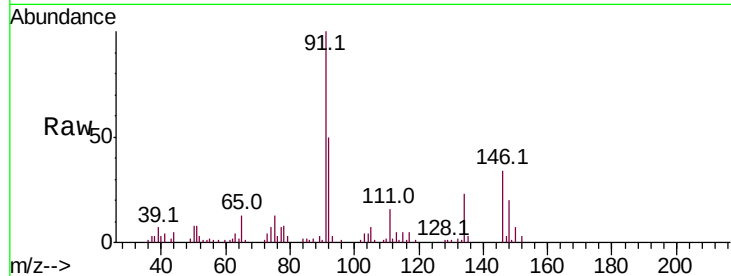
ClientSampleId :

VSTDIC001

Tot Ion:	91	Resp:	31140
Ion	Ratio	Lower	Upper
91	100		
92	51.3	41.3	61.9
134	21.3	18.2	27.4

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#85

1,2-Dichlorobenzene

Concen: 0.928 ug/l

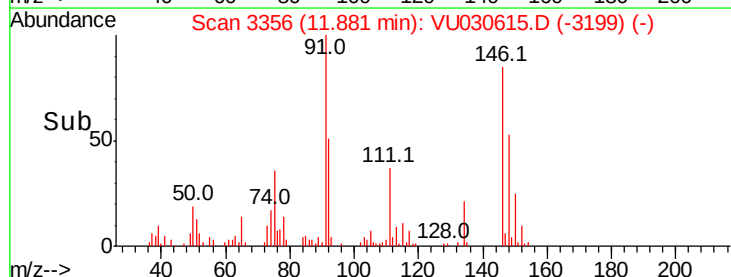
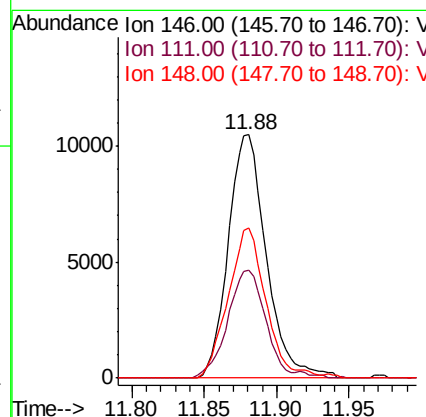
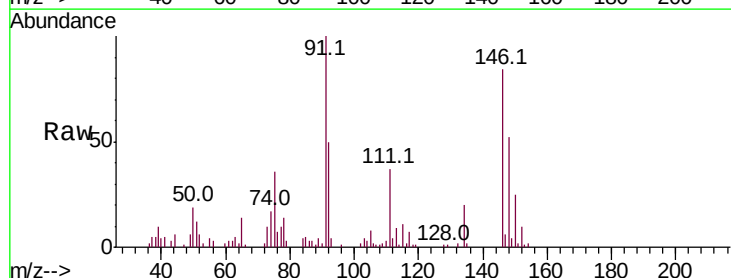
RT: 11.88 min Scan# 3356

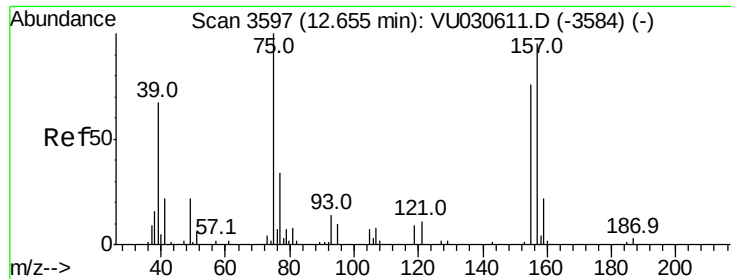
Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Tgt Ion:	146	Resp:	19089
Ion	Ratio	Lower	Upper
146	100		
111	44.8	21.8	65.3
148	61.4	31.7	95.1





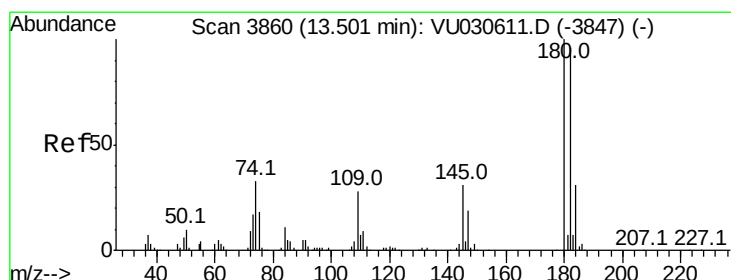
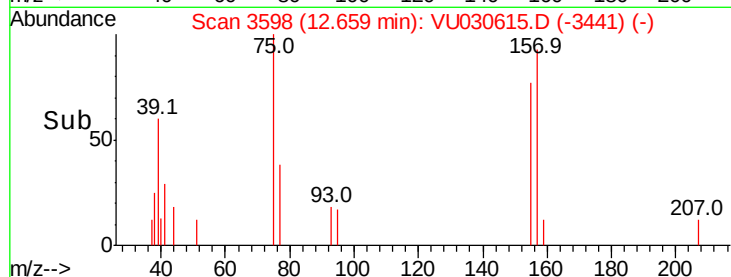
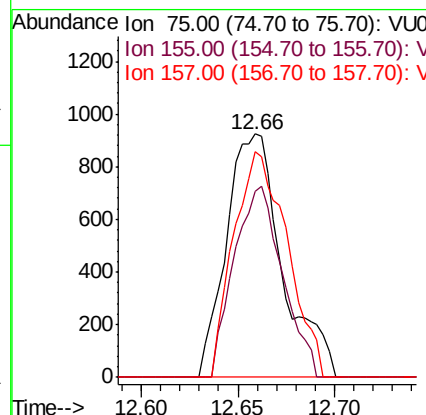
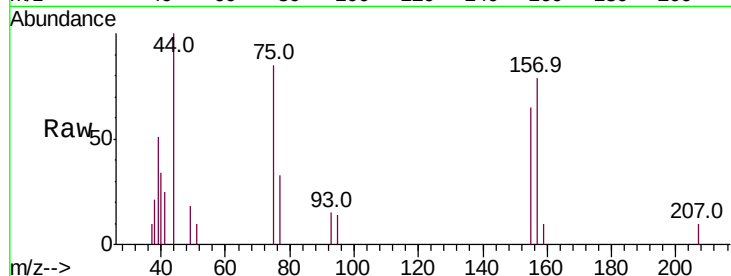
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.429 ug/l
 RT: 12.66 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1862
 Ion Ratio Lower Upper
 75 100
 155 67.9 61.3 91.9
 157 88.7 77.4 116.0

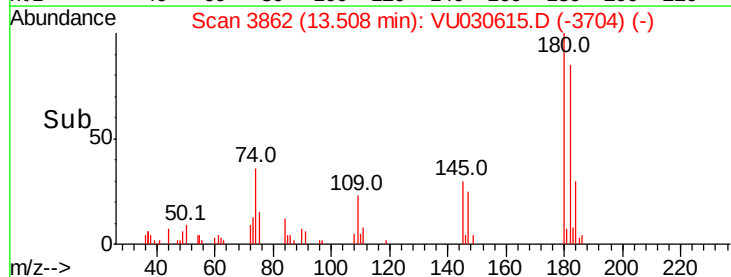
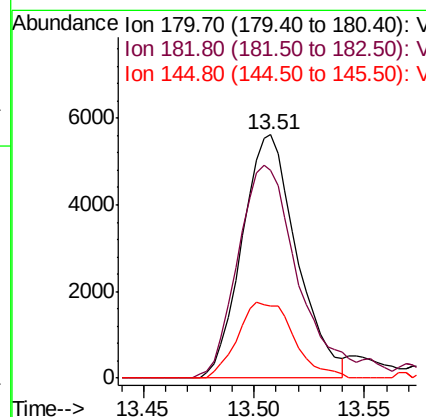
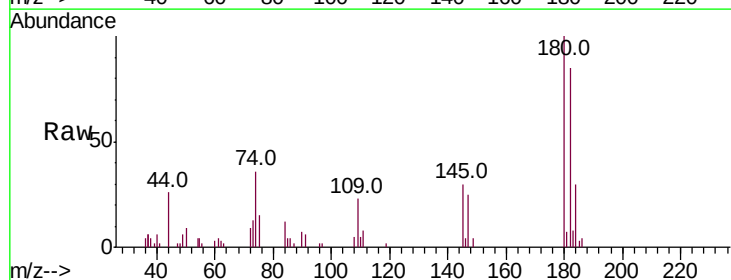
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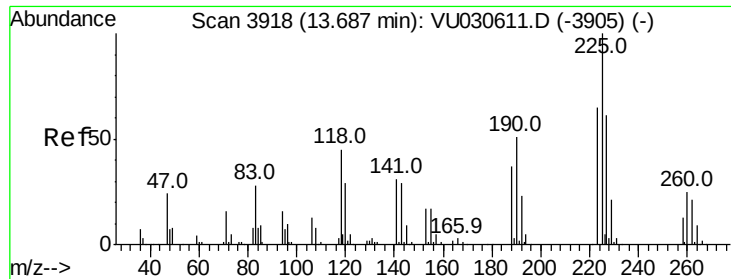
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.666 ug/l
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Tgt Ion:180 Resp: 9682
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.2 117.4
 145 31.8 24.4 36.6





#88

Hexachlorobutadiene

Concen: 0.877 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030615.D

Acq: 02 Apr 2019 22:35

Instrument :

MSVOA_U

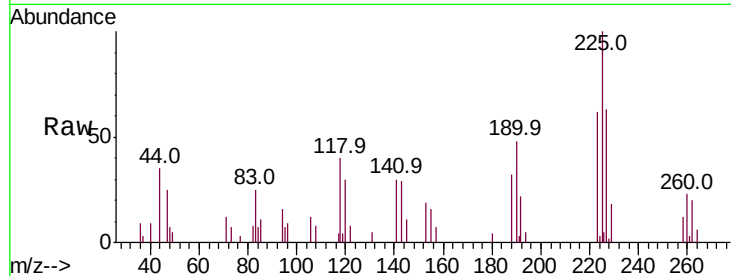
ClientSampleId :

VSTDIC001

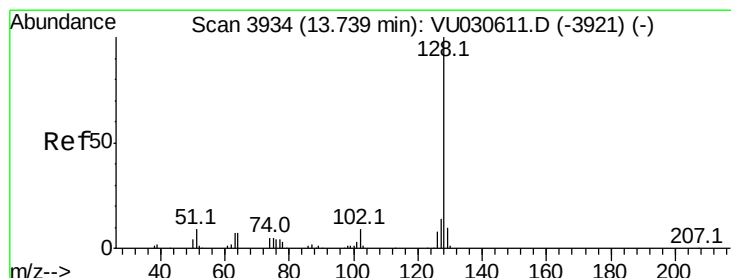
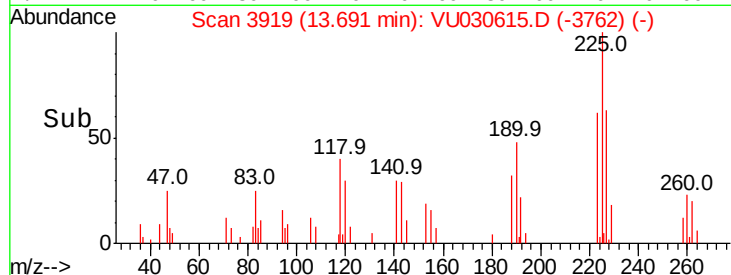
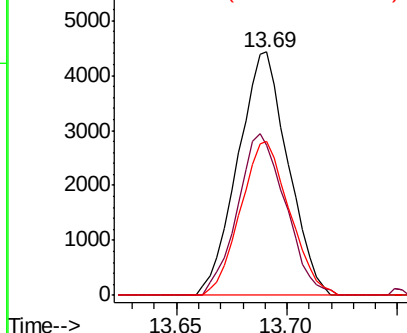
Tot Ion:	225	Resp:	6968
Ion Ratio	Lower	Upper	
225	100		
223	63.9	52.6	78.8
227	61.8	50.5	75.7

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



#89

Naphthalene

Concen: 0.689 ug/l

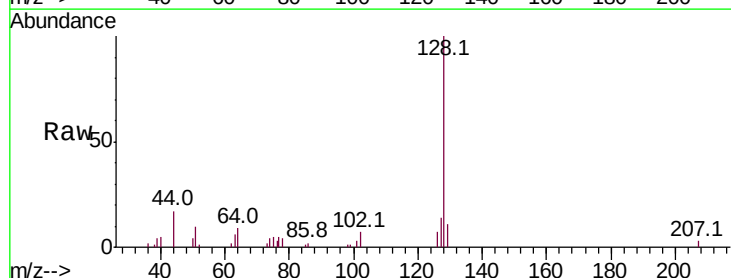
RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

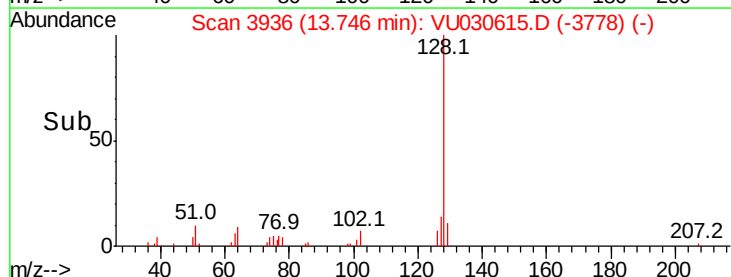
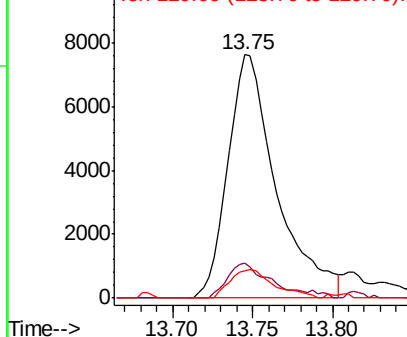
Lab File: VU030615.D

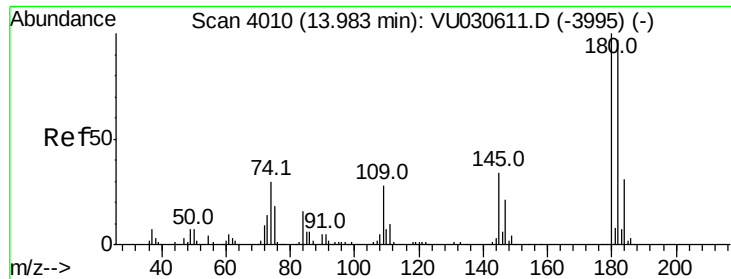
Acq: 02 Apr 2019 22:35

Tgt Ion:	128	Resp:	15826
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.5	8.5	12.7



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





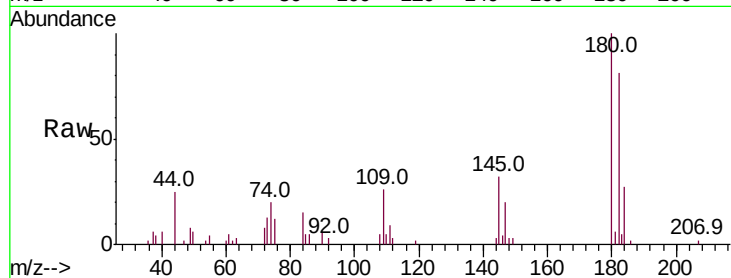
#90
 1,2,3-Trichlorobenzene
 Concen: 0.835 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030615.D
 Acq: 02 Apr 2019 22:35

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.3	77.4	116.0
145	30.6	26.2	39.2

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Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

