

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U040219\
 Data File : VU030614.D
 Acq On : 02 Apr 2019 22:08
 Operator : JC/SP
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 11:43:46 AM

Quant Time: Apr 03 02:18:54 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	34562	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	10458	0.82	ug/l	0.00
Spiked Amount 1.000			Recovery	=	82.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	11321	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	7604	0.584	ug/l	91
3) Chloromethane	1.33	50	9171	0.621	ug/l	96
4) Vinyl Chloride	1.40	62	8615	0.661	ug/l	94
5) Bromomethane	1.63	94	4516	0.629	ug/l	99
6) Chloroethane	1.70	64	4751	0.636	ug/l	99
7) Trichlorofluoromethane	1.88	101	9417	0.566	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	4908	0.551	ug/l	95
9) 1,1-Dichloroethene	2.28	96	4587	0.522	ug/l	77
10) Iodomethane	2.41	142	5913	0.720	ug/l	96
11) Allyl Chloride	2.59	41	9794	0.717	ug/l	93
12) Acrylonitrile	2.94	53	3145	1.518	ug/l #	90
13) Acetone	2.32	43	8490	4.646	ug/l	99
14) Carbon Disulfide	2.47	76	18492	0.600	ug/l	98
15) Methylene Chloride	2.69	84	7579	0.718	ug/l	94
16) trans-1,2-Dichloroethene	2.98	96	5473	0.542	ug/l	96
17) 1,1-Dichloroethane	3.44	63	11289	0.637	ug/l	96
18) 2-Butanone	4.29	43	9030	3.546	ug/l	97
19) Cyclohexane	4.99	56	8865m	0.584	ug/l	
20) Methylcyclohexane	6.41	83	6777	0.425	ug/l	94
21) 2,2-Dichloropropane	4.22	77	8674	0.588	ug/l	95
22) cis-1,2-Dichloroethene	4.23	96	5585m	0.497	ug/l	
23) Diethyl Ether	2.11	59	4736	0.682	ug/l	95
24) tert-Butyl Alcohol	2.83	59	5476	7.122	ug/l	95
25) Methyl tert-Butyl Ether	3.00	73	14963	0.649	ug/l	99
26) Bromochloromethane	4.55	128	2420	0.495	ug/l	96
27) Chloroform	4.67	83	10194	0.556	ug/l	100
28) 1,1,1-Trichloroethane	4.90	97	8420	0.561	ug/l	94
29) 1,1-Dichloropropene	5.14	75	6968	0.511	ug/l	96
30) Carbon Tetrachloride	5.13	117	7715	0.577	ug/l	97
31) Isopropyl Ether	3.58	45	18599	0.717	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	14617	0.608	ug/l #	64
33) Tert-Amyl methyl ether	5.58	73	10997	0.510	ug/l	97
34) Propionitrile	4.35	54	1946m	2.797	ug/l	
35) Benzene	5.39	78	20919	0.525	ug/l	95
36) 1,2-Dichloroethane	5.41	62	6654	0.601	ug/l #	91
37) Trichloroethene	6.19	130	5424	0.487	ug/l	92
38) 1,2-Dichloropropane	6.44	63	6671	0.643	ug/l #	84
39) Methacrylonitrile	4.57	41	2376	0.764	ug/l #	75
40) Methyl acrylate	4.46	55	2037m	0.432	ug/l	
41) Tetrahydrofuran	4.66	42	2914	1.698	ug/l #	71
42) 1-Chlorobutane	5.06	56	11285	0.612	ug/l	99

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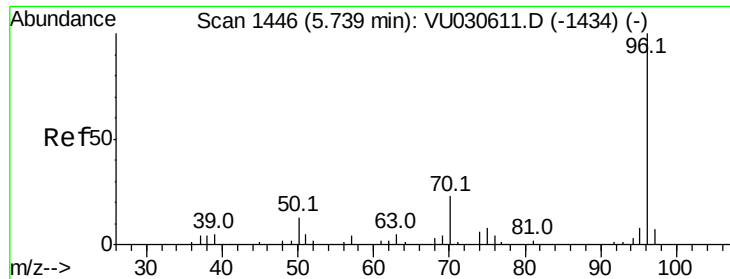
Manual Integrations
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Quant Time: Apr 03 02:18:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U040219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Apr 03 01:47:43 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	2716	0.514	ug/l	87
44) Bromodichloromethane	6.76	83	7518	0.591	ug/l #	97
45) 4-Methyl-2-Pentanone	7.47	43	18519	3.234	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	2052m	0.983	ug/l	
47) Methyl methacrylate	6.64	69	4073	0.896	ug/l #	89
48) Ethyl methacrylate	8.03	69	4086	0.485	ug/l	92
49) Toluene	7.64	92	10720	0.453	ug/l	87
50) t-1,3-Dichloropropene	7.89	75	6021	0.530	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	7409	0.524	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	4267	0.574	ug/l #	91
53) 1,3-Dichloropropane	8.24	76	7026	0.557	ug/l	98
54) 2-Hexanone	8.38	43	10827	2.665	ug/l	95
55) Dibromochloromethane	8.48	129	4261	0.482	ug/l	93
56) 1,2-Dibromoethane	8.59	107	3411	0.481	ug/l	92
58) Tetrachloroethene	8.22	164	4399	0.438	ug/l #	85
59) Chlorobenzene	9.12	112	12719	0.476	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.21	131	4743	0.498	ug/l	96
61) Pentachloroethane	11.10	117	3426	0.466	ug/l	98
62) Hexachloroethane	12.14	117	3326	0.457	ug/l	93
63) Ethyl Benzene	9.25	91	18490	0.416	ug/l	99
64) m/p-Xylenes	9.37	106	12342	0.718	ug/l	92
65) o-Xylene	9.78	106	6494	0.386	ug/l	94
66) Styrene	9.80	104	11099	0.399	ug/l	97
67) Bromoform	9.96	173	2556	0.510	ug/l #	88
69) Isopropylbenzene	10.16	105	17348	0.393	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.46	83	5325	0.573	ug/l	87
71) 1,2,3-Trichloropropane	10.49	75	4009m	0.573	ug/l	
72) Bromobenzene	10.45	156	4723	0.414	ug/l	95
73) n-propylbenzene	10.58	120	4610	0.372	ug/l	96
74) 2-Chlorotoluene	10.66	126	4371	0.402	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	13647	0.363	ug/l	96
76) 4-Chlorotoluene	10.77	126	4279	0.386	ug/l	93
77) tert-Butylbenzene	11.10	119	15084	0.412	ug/l	97
78) 1,2,4-Trimethylbenzene	11.15	105	14534	0.380	ug/l	100
79) sec-Butylbenzene	11.32	105	20230	0.412	ug/l	99
81) p-Isopropyltoluene	11.47	119	14553	0.356	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	9636	0.420	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	8988	0.389	ug/l	97
84) n-Butylbenzene	11.89	91	14738	0.380	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	9292	0.434	ug/l	95
86) 1,2-Dibromo-3-Chloropropan	12.66	75	559	0.413	ug/l #	66
87) 1,2,4-Trichlorobenzene	13.51	180	5175	0.343	ug/l	93
88) Hexachlorobutadiene	13.69	225	3194	0.387	ug/l	93
89) Naphthalene	13.75	128	7716	0.323	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	4797	0.347	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 96 Resp: 34562

Ion Ratio Lower Upper

96 100

70 20.6 18.5 27.7

95 8.8 0.0 0.0#

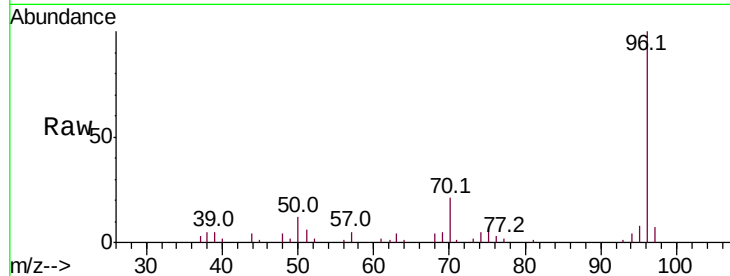
97 6.8 0.0 0.0#

Manual Integrations

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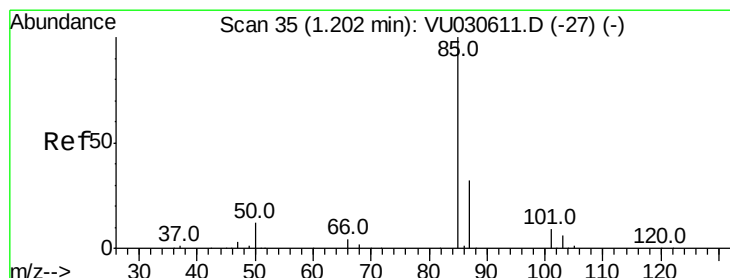
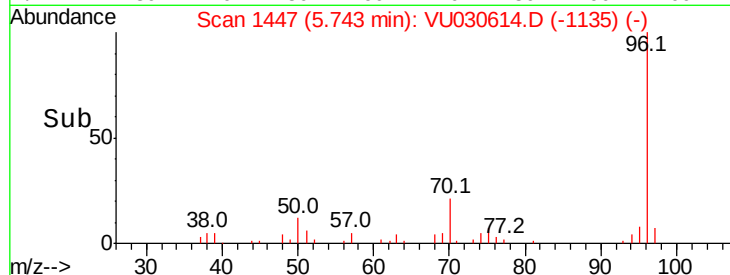
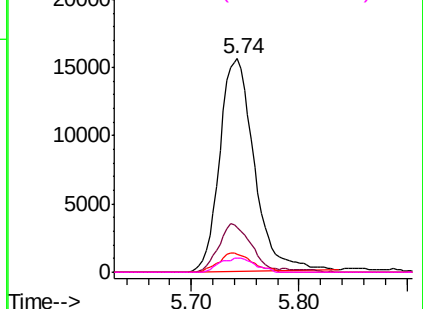


Abundance Ion 96.00 (95.70 to 96.70): VU030611.D (-1434) (-)

Ion 70.00 (69.70 to 70.70): VU030611.D (-1434) (-)

Ion 95.00 (94.70 to 95.70): VU030611.D (-1434) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-1434) (-)



#2

Dichlorodifluoromethane

Concen: 0.584 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU030614.D

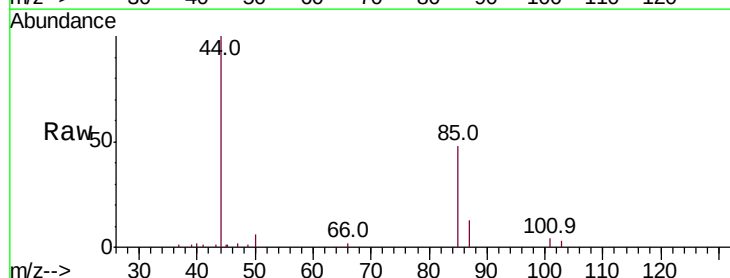
Acq: 02 Apr 2019 22:08

Tgt Ion: 85 Resp: 7604

Ion Ratio Lower Upper

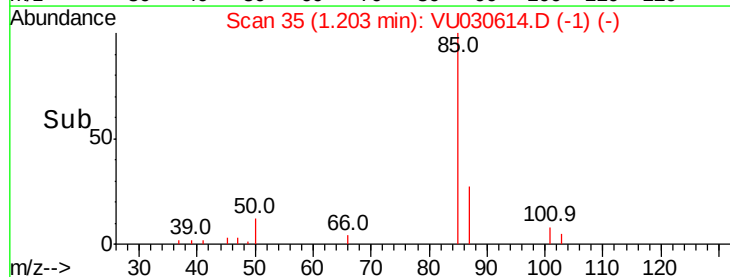
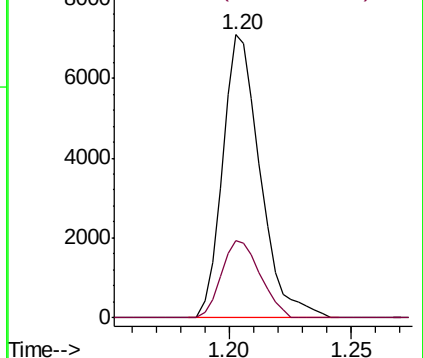
85 100

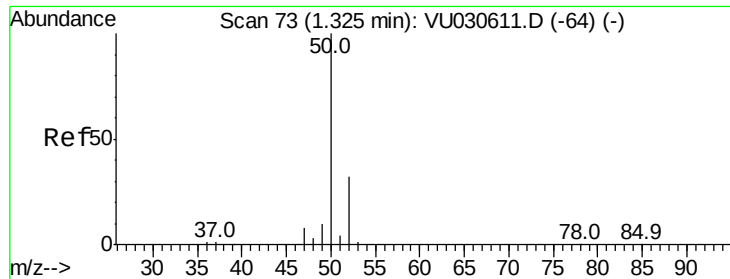
87 27.2 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU030611.D (-27) (-)

Ion 87.00 (86.70 to 87.70): VU030611.D (-27) (-)





#3

Chloromethane

Concen: 0.621 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 50 Resp: 9171

Ion Ratio Lower Upper

50 100

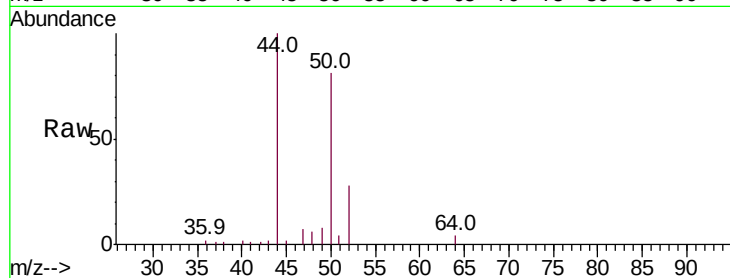
52 34.3 25.5 38.3

Manual Integrations

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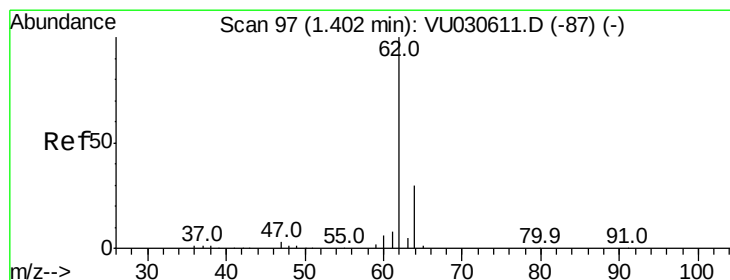
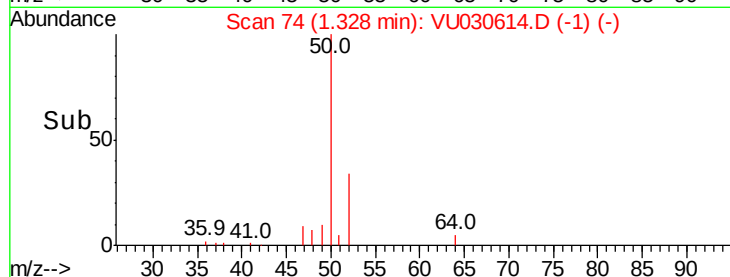
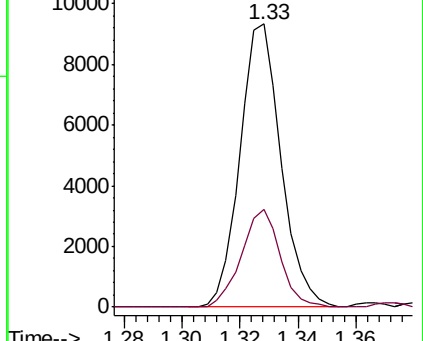
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Abundance Ion 50.00 (49.70 to 50.70): VU030611.D (-64) (-)

Ion 52.00 (51.70 to 52.70): VU030611.D (-64) (-)



#4

Vinyl Chloride

Concen: 0.661 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030614.D

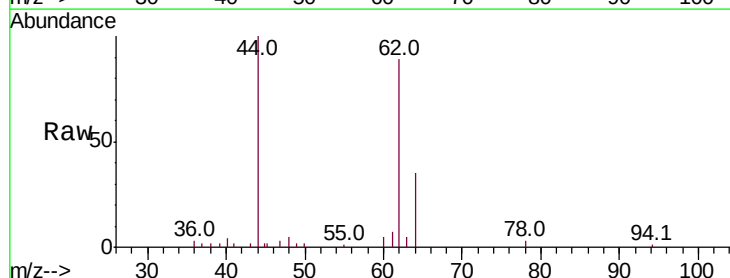
Acq: 02 Apr 2019 22:08

Tgt Ion: 62 Resp: 8615

Ion Ratio Lower Upper

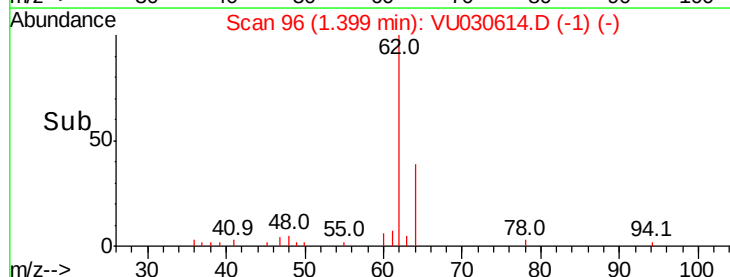
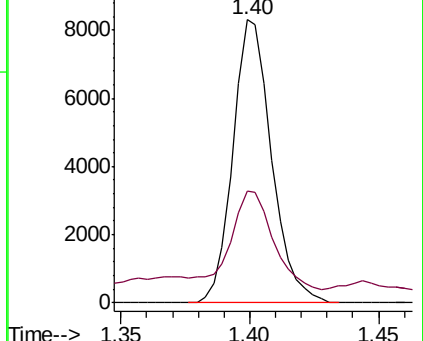
62 100

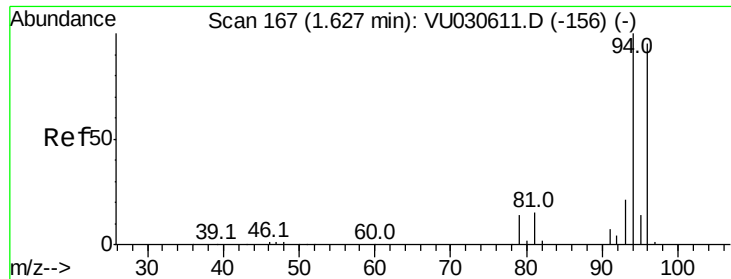
64 33.5 24.3 36.5



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU030611.D (-87) (-)





#5

Bromomethane

Concen: 0.629 ug/l

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 4516

Ion Ratio Lower Upper

94 100

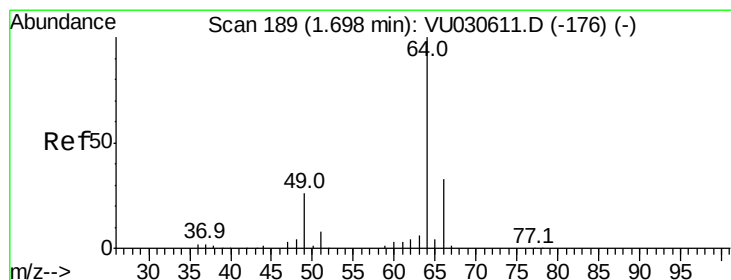
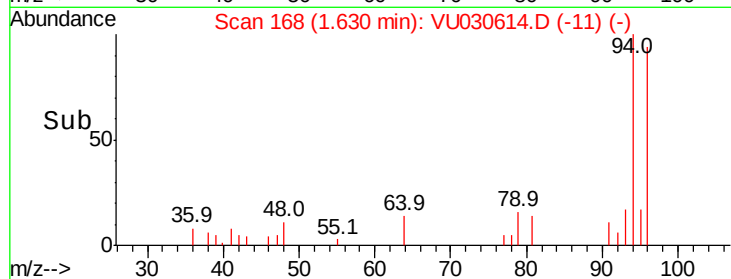
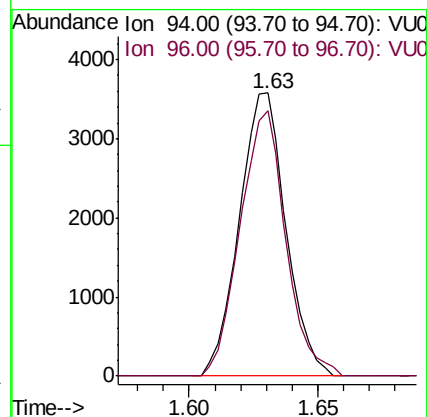
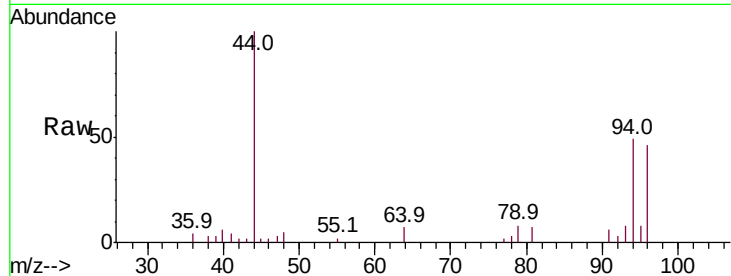
96 93.6 75.9 113.9

Manual Integrations

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4/3/2019 11:43:46 AM



#6

Chloroethane

Concen: 0.636 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030614.D

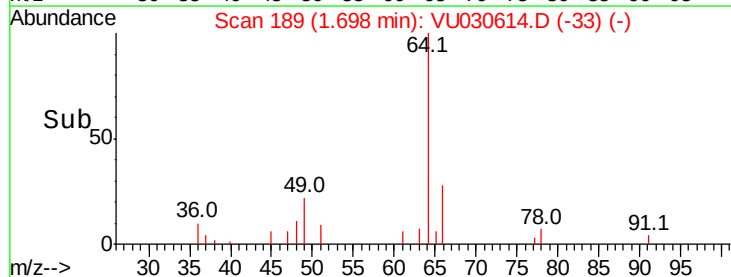
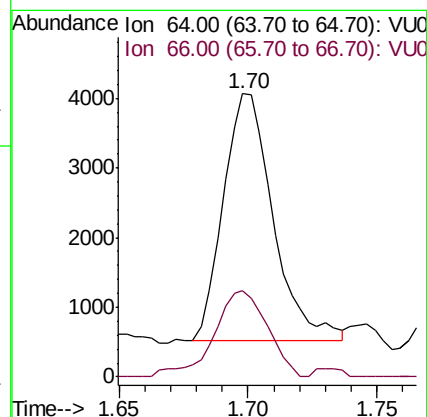
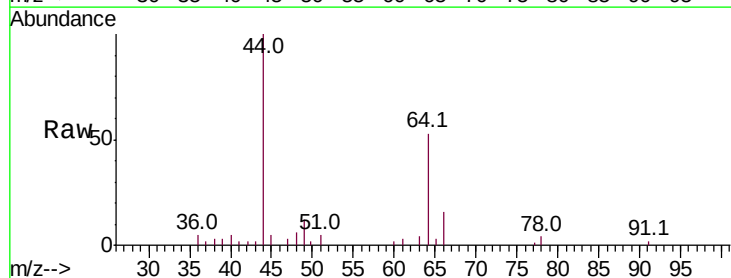
Acq: 02 Apr 2019 22:08

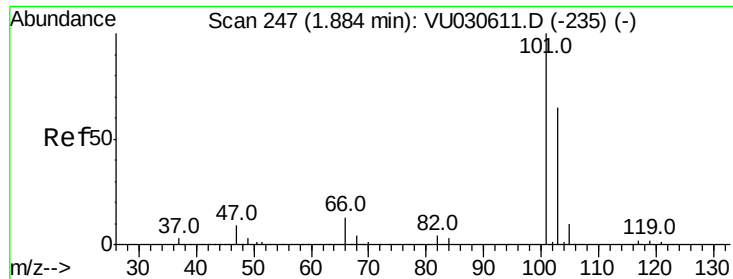
Tgt Ion: 64 Resp: 4751

Ion Ratio Lower Upper

64 100

66 32.3 26.2 39.2





#7

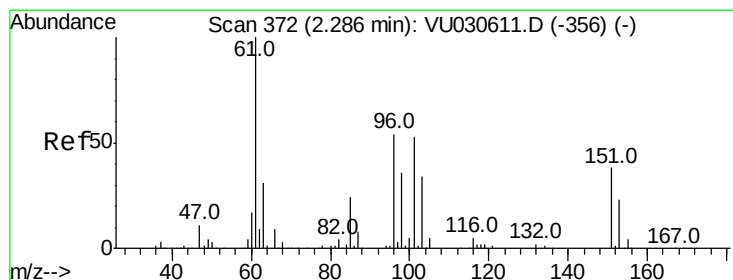
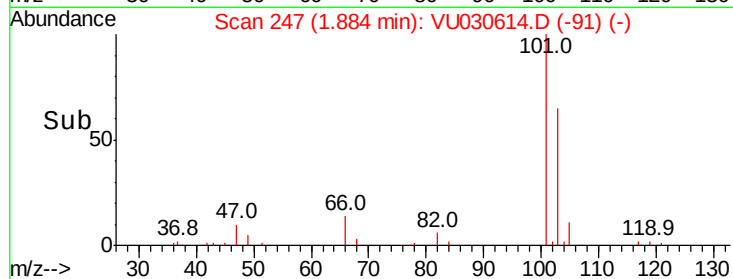
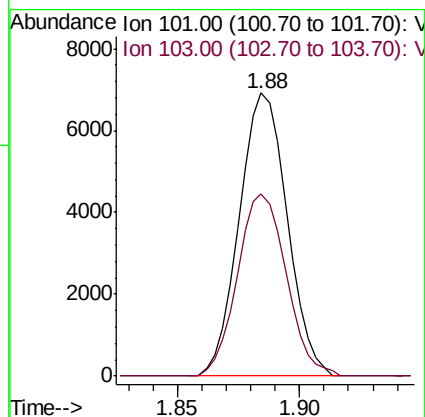
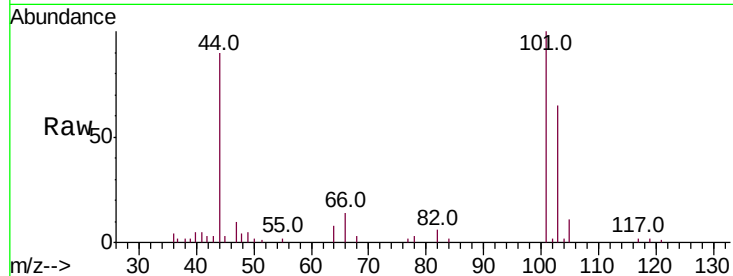
Trichlorofluoromethane
 Concen: 0.566 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.6

Manual Integrations
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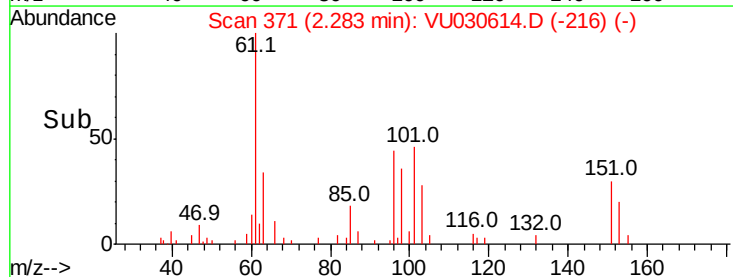
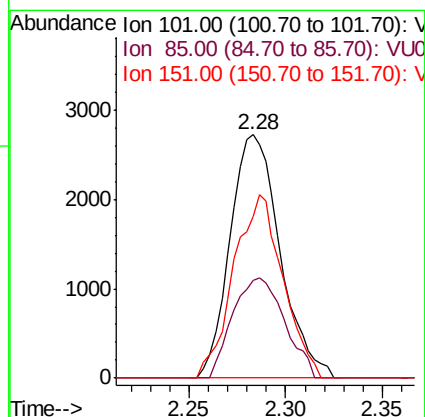
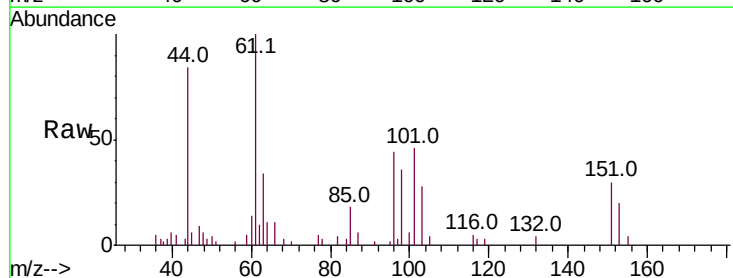
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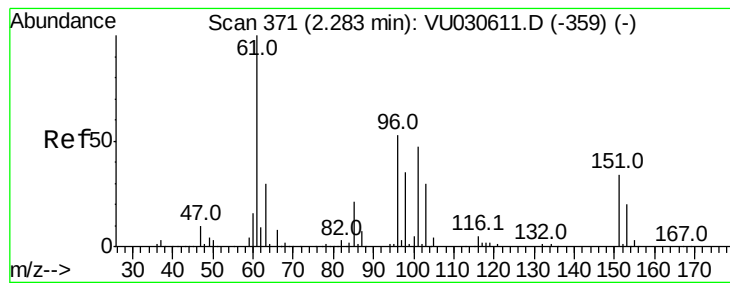


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.551 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.6	36.5	54.7
151	73.9	55.7	83.5





#9

1,1-Dichloroethene

Concen: 0.522 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

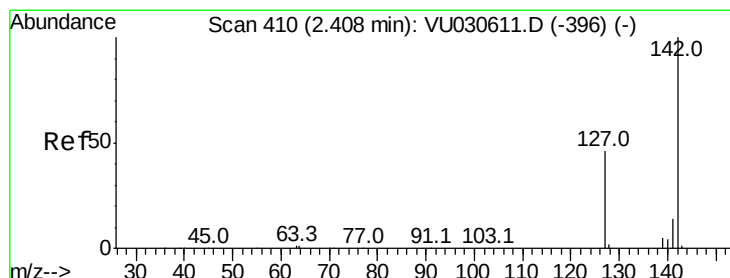
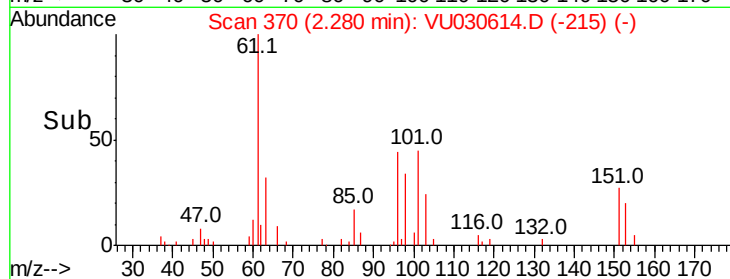
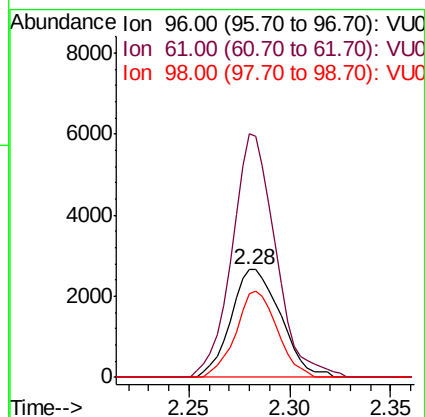
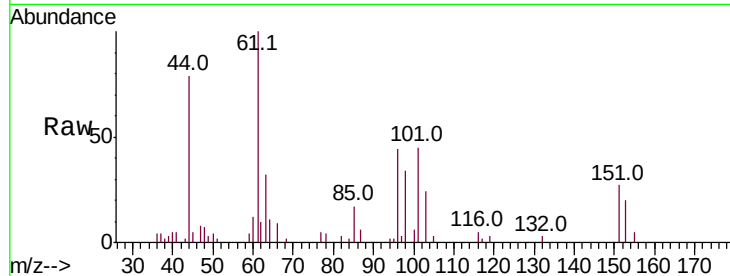
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	4587
Ion	Ratio	Lower	Upper
96	100		
61	226.6	0.0	564.0
98	77.6	0.0	132.2

Manual Integrations
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4/3/2019 11:43:46 AM



#10

Iodomethane

Concen: 0.720 ug/l

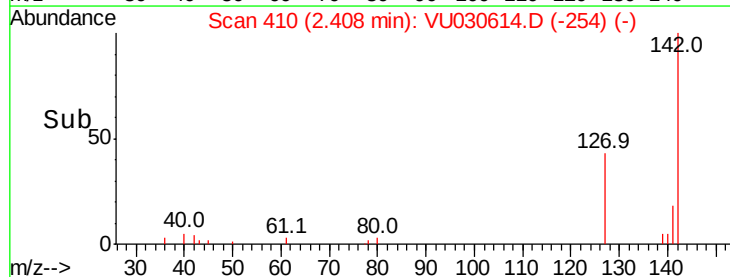
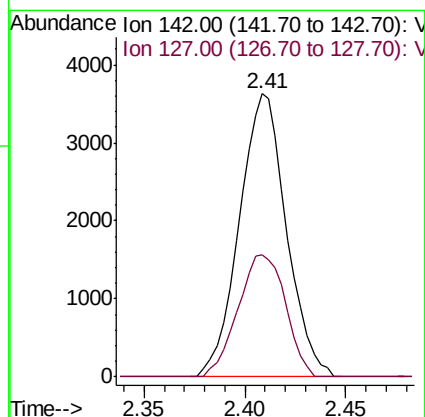
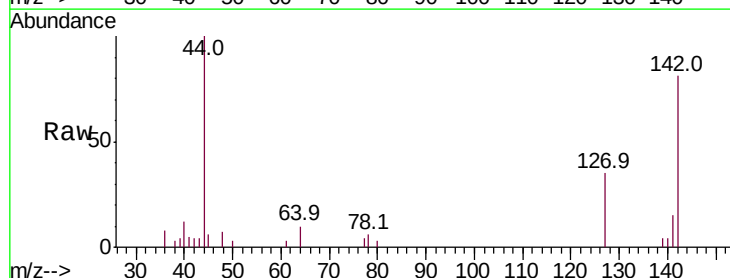
RT: 2.41 min Scan# 410

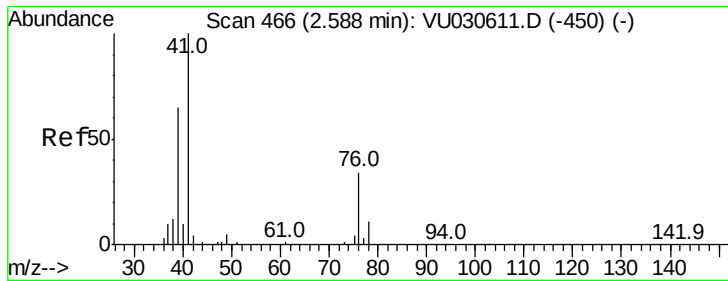
Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion:	142	Resp:	5913
Ion	Ratio	Lower	Upper
142	100		
127	43.7	36.9	55.3





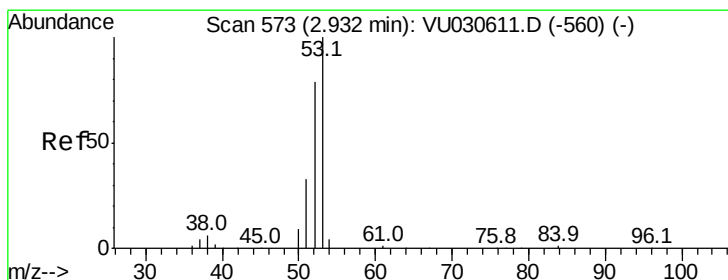
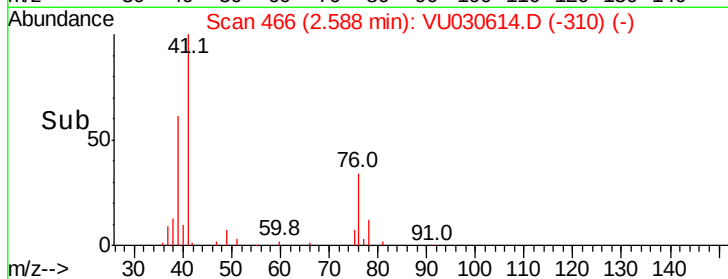
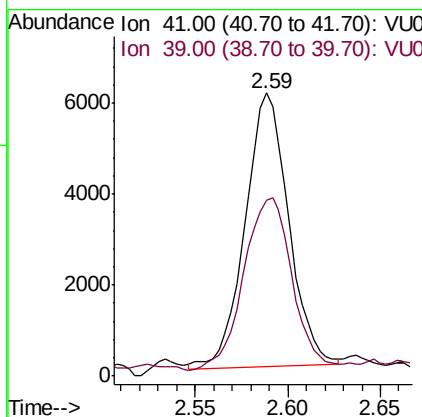
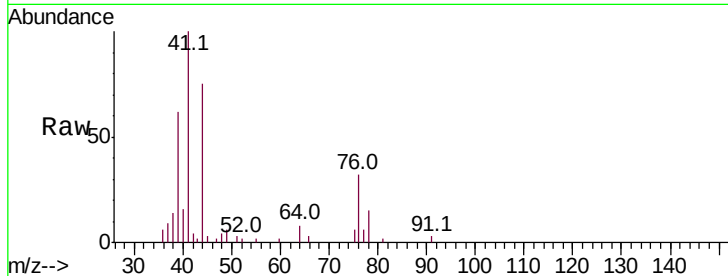
#11
Allvl Chloride
Concen: 0.717 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.1	52.2	78.4

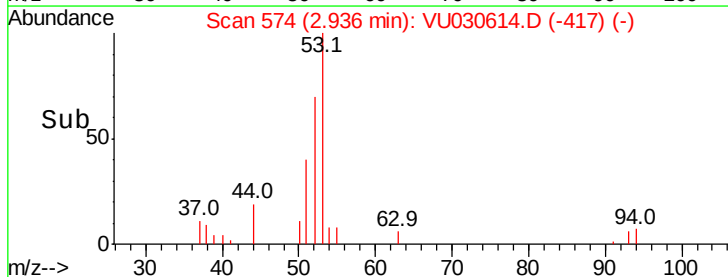
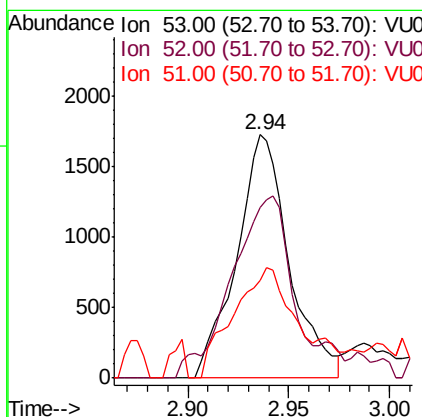
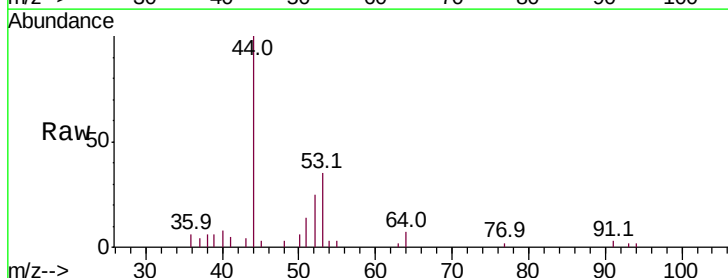
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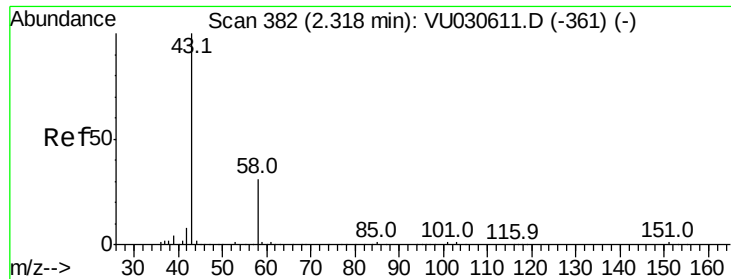
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#12
Acrylonitrile
Concen: 1.518 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.6	66.2	99.2
51	50.8	27.3	40.9#





#13

Acetone

Concen: 4.646 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 8490

Ion Ratio Lower Upper

43 100

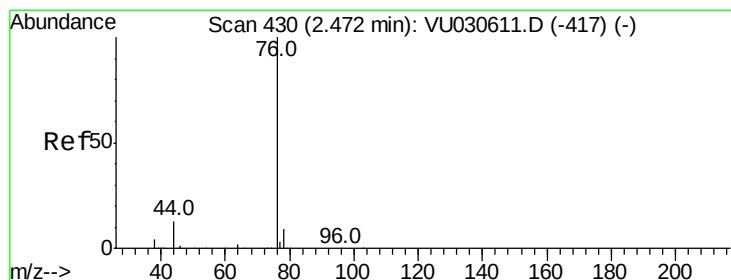
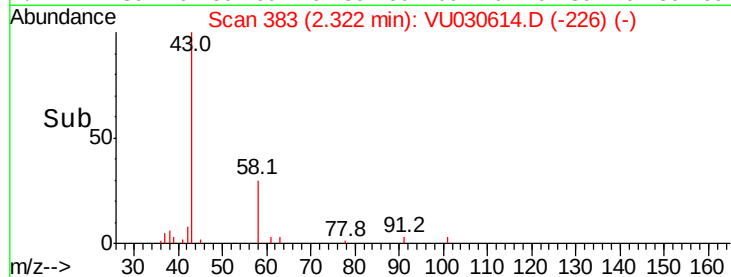
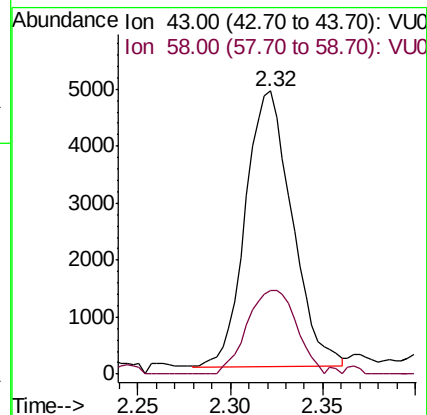
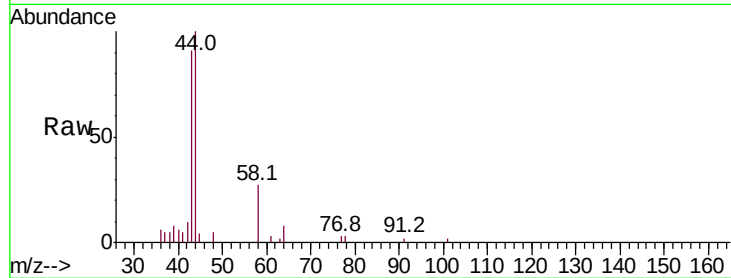
58 30.2 24.7 37.1

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4/3/2019 11:43:46 AM



#14

Carbon Disulfide

Concen: 0.600 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030614.D

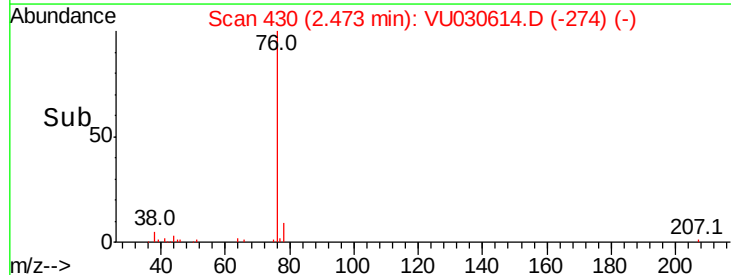
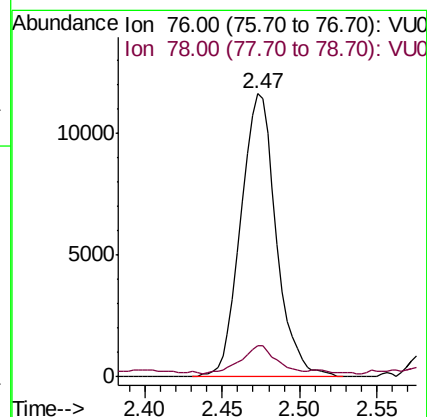
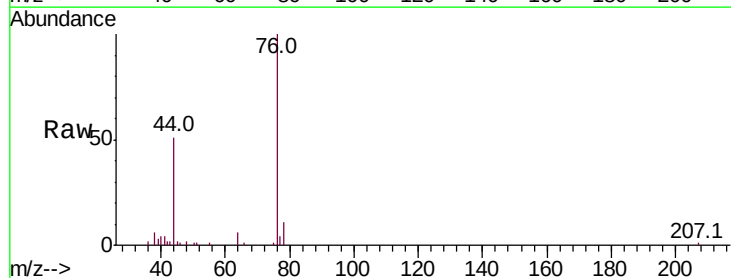
Acq: 02 Apr 2019 22:08

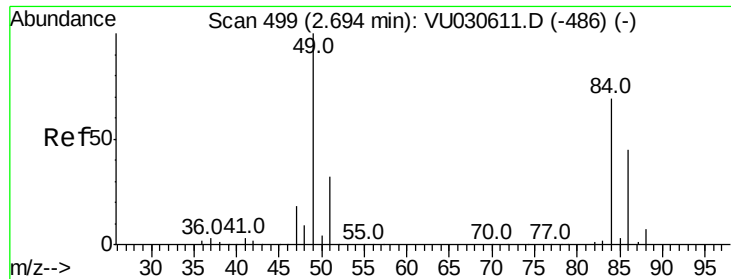
Tgt Ion: 76 Resp: 18492

Ion Ratio Lower Upper

76 100

78 9.8 7.4 11.0





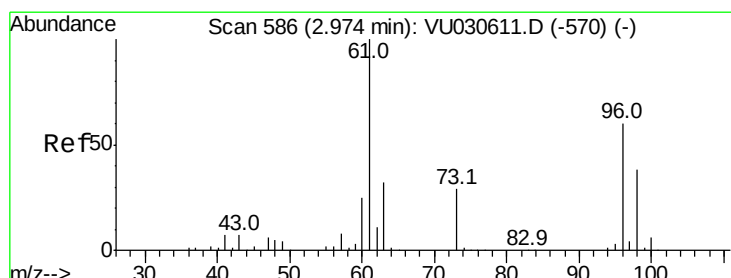
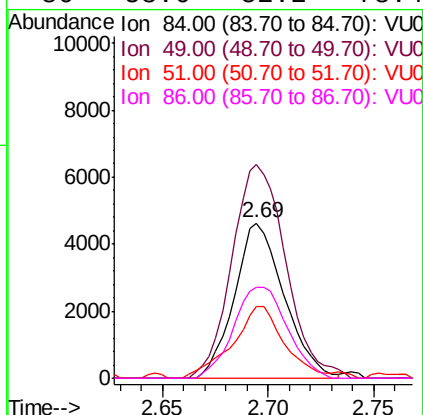
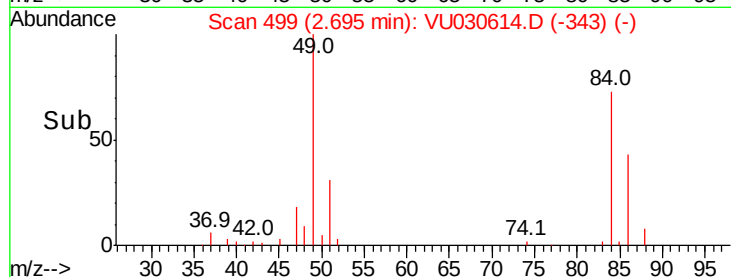
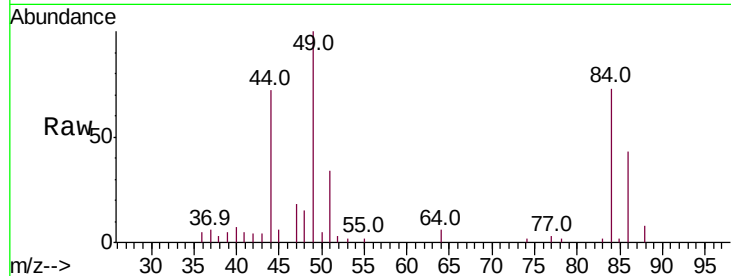
#15
Methylene Chloride
Concen: 0.718 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	84	Resp:	7579
Ion	Ratio	Lower	Upper
84	100		
49	137.5	115.4	173.2
51	43.6	0.0	93.4
86	58.6	52.2	78.4

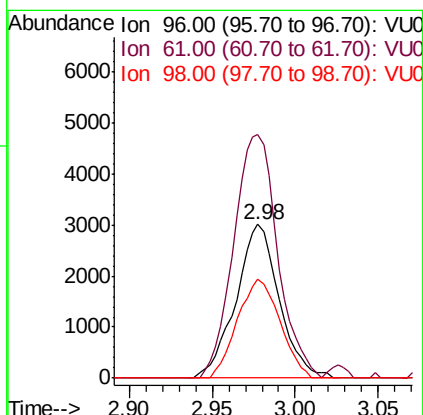
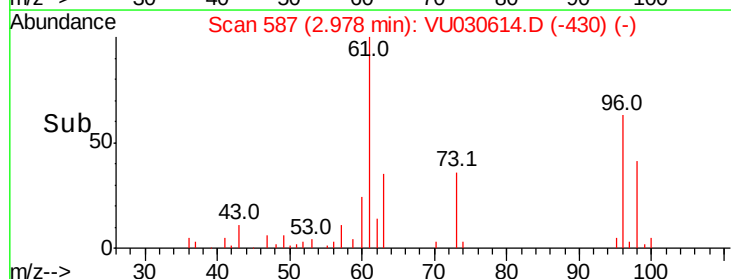
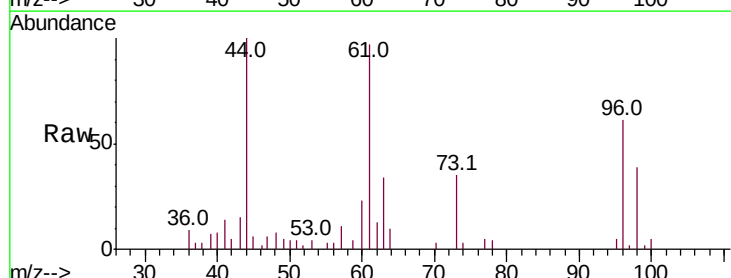
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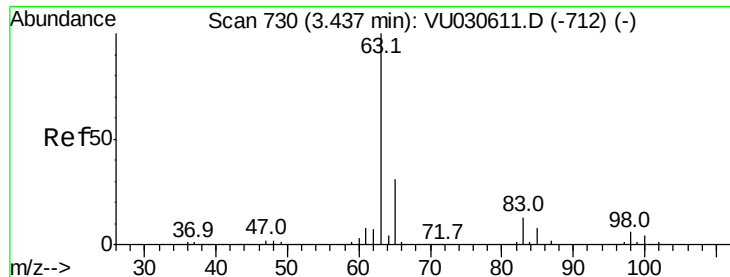
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#16
trans-1,2-Dichloroethene
Concen: 0.542 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	96	Resp:	5473
Ion	Ratio	Lower	Upper
96	100		
61	158.3	132.2	198.4
98	64.3	50.2	75.4





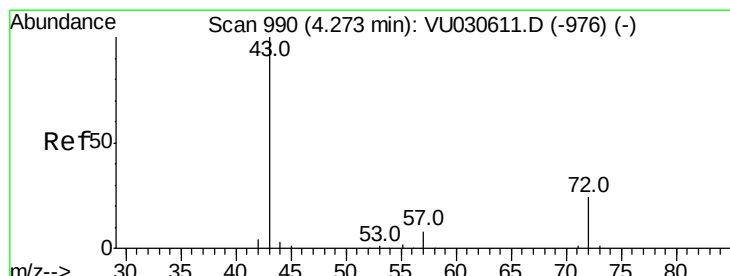
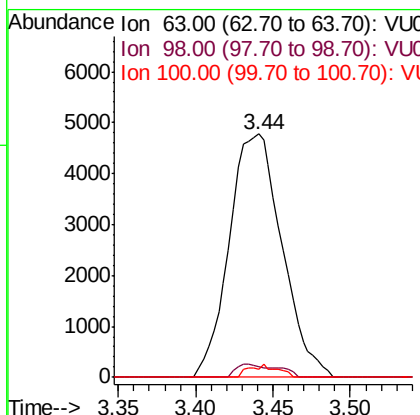
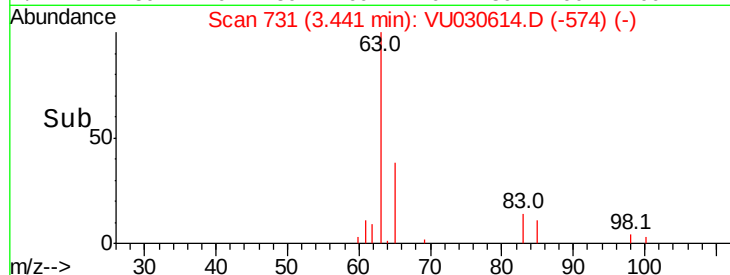
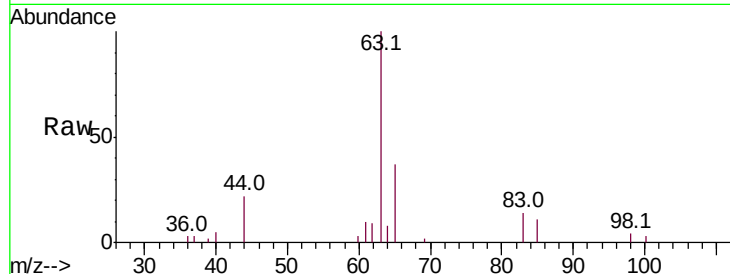
#17
 1,1-Dichloroethane
 Concen: 0.637 ug/l
 RT: 3.44 min Scan# 731
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	63	Resp:	11289
Ion	Ratio	Lower	Upper
63	100		
98	4.3	3.0	9.0
100	3.1	2.0	5.8

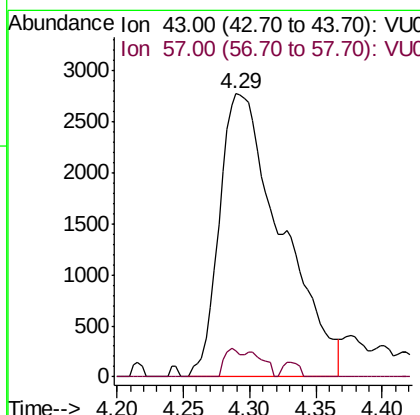
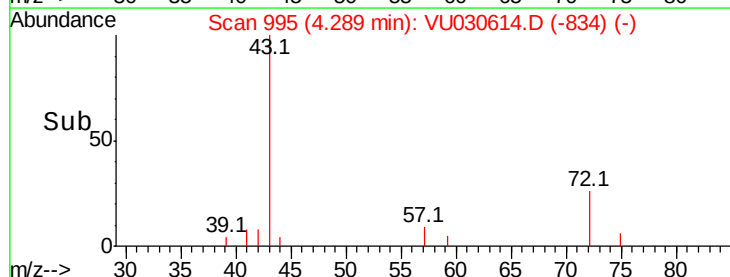
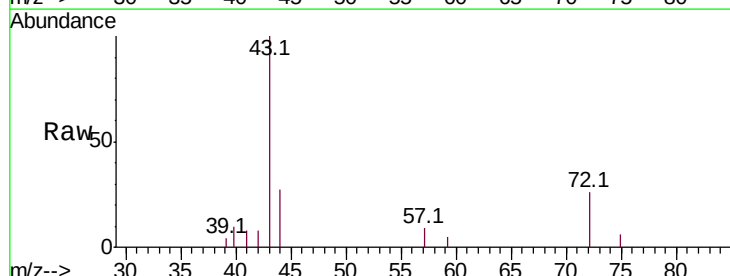
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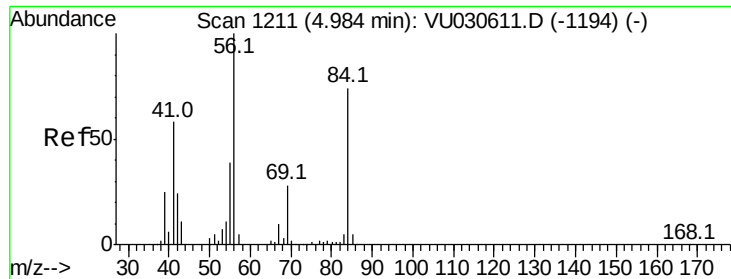
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#18
 2-Butanone
 Concen: 3.546 ug/l
 RT: 4.29 min Scan# 995
 Delta R.T. 0.02 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion:	43	Resp:	9030
Ion	Ratio	Lower	Upper
43	100		
57	9.1	0.0	16.4





#19

Cyclohexane

Concen: 0.584 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 56 Resp: 8865

Ion Ratio Lower Upper

56 100

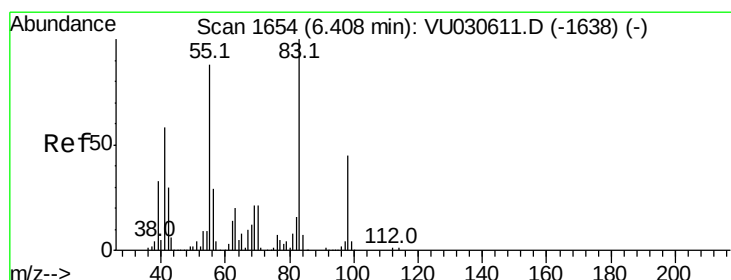
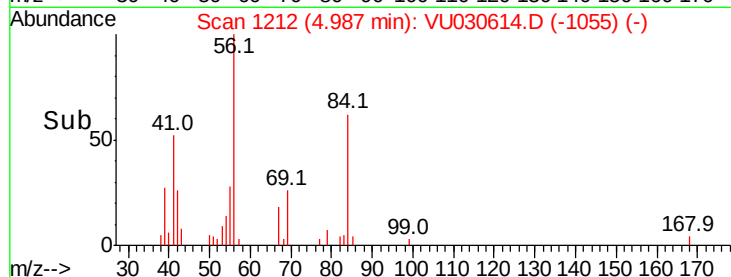
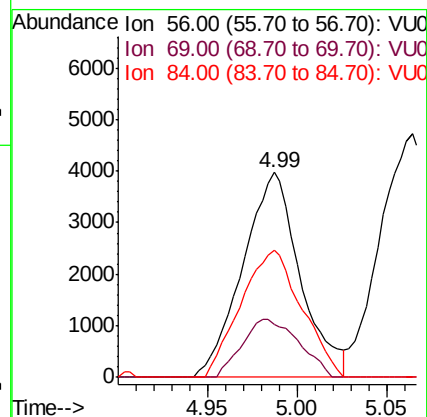
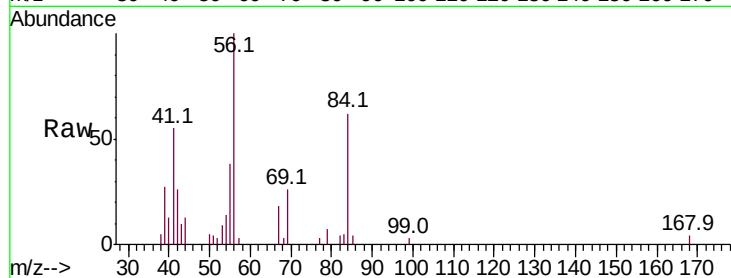
69 27.9 22.1 33.1

84 65.6 58.1 87.1

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4/3/2019 11:43:46 AM



#20

Methylcyclohexane

Concen: 0.425 ug/l

RT: 6.41 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

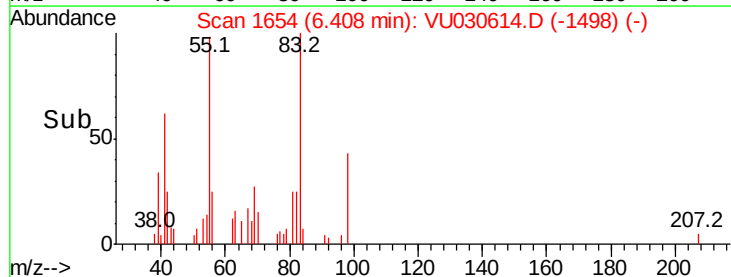
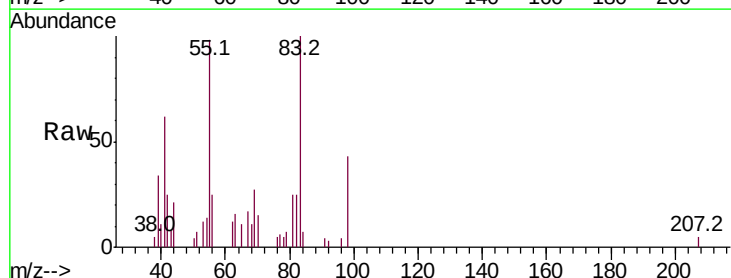
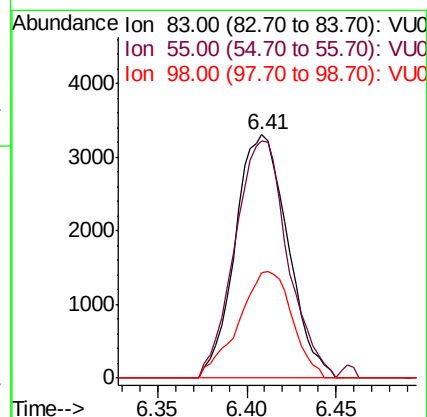
Tgt Ion: 83 Resp: 6777

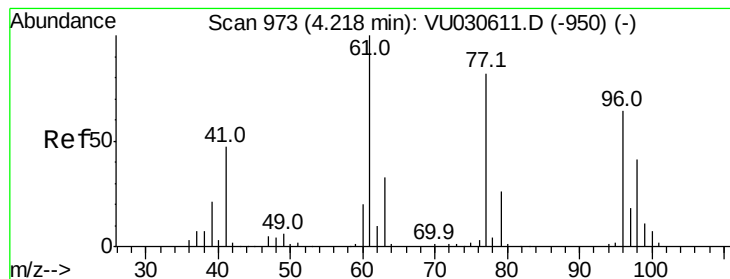
Ion Ratio Lower Upper

83 100

55 97.8 71.8 107.8

98 44.7 35.5 53.3





#21

2,2-Dichloropropane

Concen: 0.588 ug/l

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 77 Resp: 8674

Ion Ratio Lower Upper

77 100

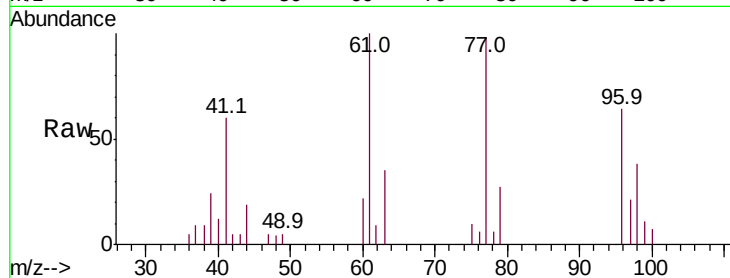
97 19.1 17.4 26.0

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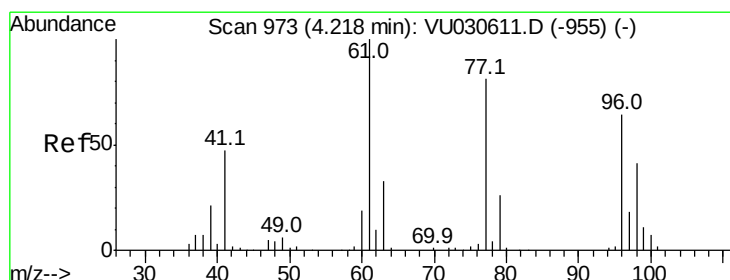
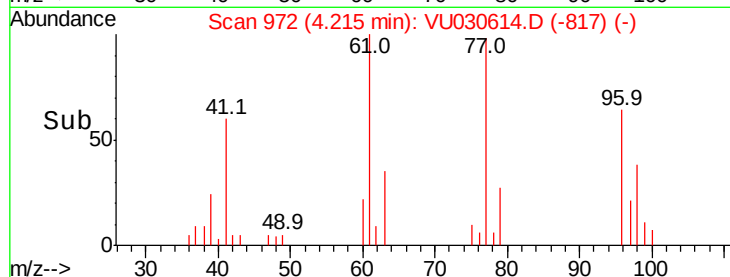
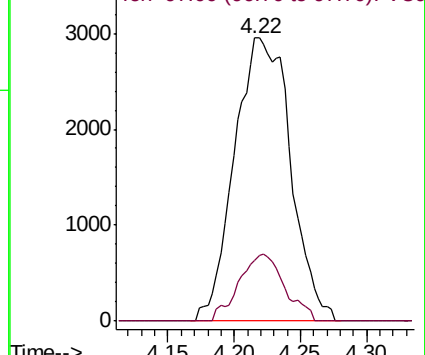
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4/3/2019 11:43:46 AM



Abundance Ion 77.00 (76.70 to 77.70): VU030611.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030611.D (-950) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.497 ug/l m

RT: 4.23 min Scan# 976

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

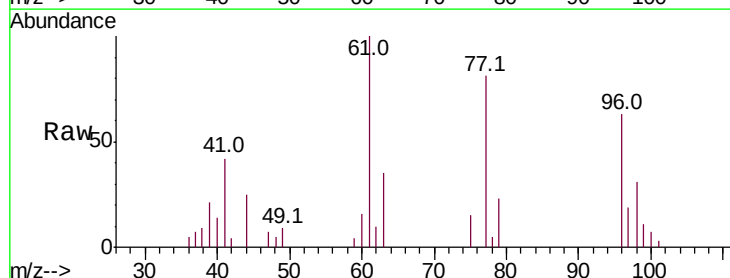
Tgt Ion: 96 Resp: 5585

Ion Ratio Lower Upper

96 100

61 163.2 0.0 406.0

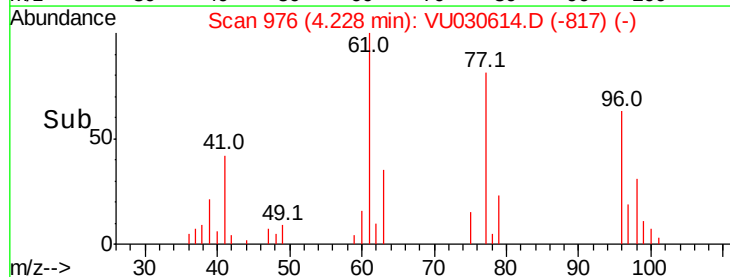
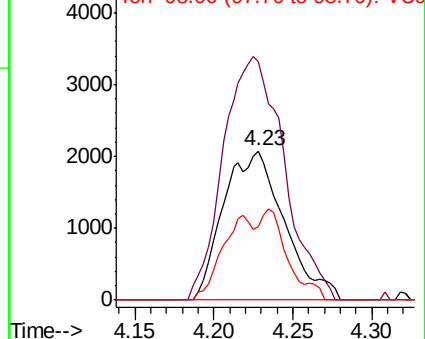
98 29.3 31.7 95.1#

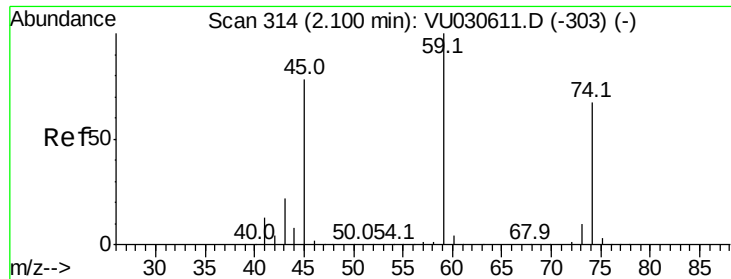


Abundance Ion 96.00 (95.70 to 96.70): VU030614.D (-817) (-)

Ion 61.00 (60.70 to 61.70): VU030614.D (-817) (-)

Ion 98.00 (97.70 to 98.70): VU030614.D (-817) (-)





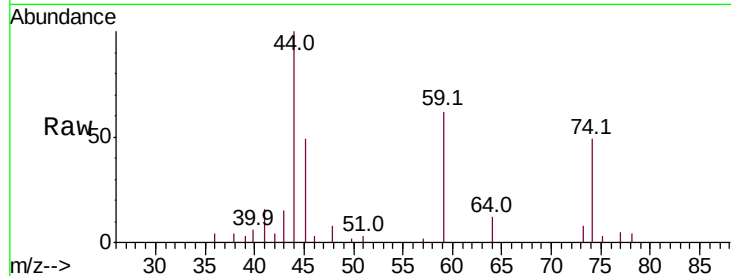
#23
Diethyl Ether
Concen: 0.682 ug/l
RT: 2.11 min Scan# 316
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

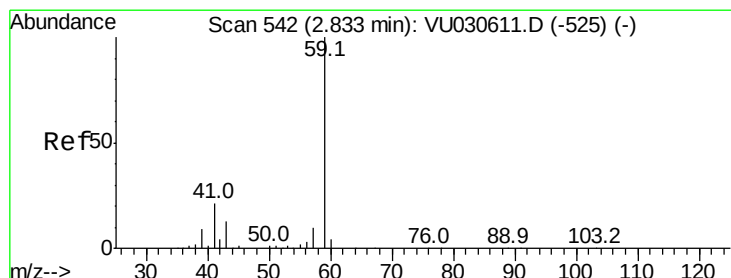
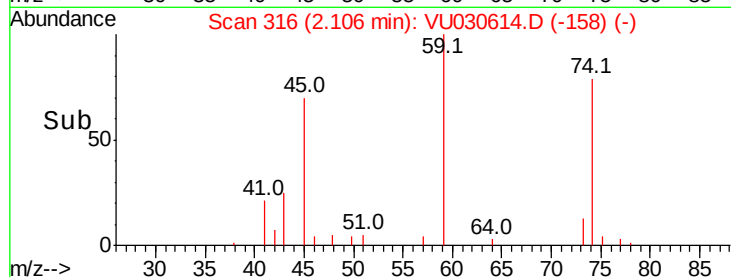
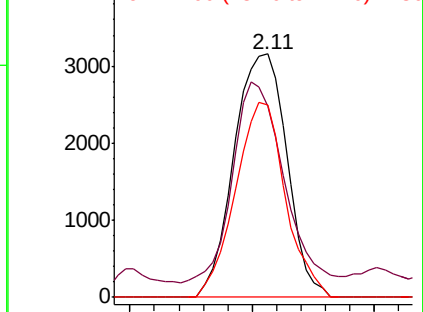
Tot Ion: 59 Resp: 4736
Ion Ratio Lower Upper
59 100
45 78.8 62.7 94.1
74 75.6 54.3 81.5

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4/3/2019 11:43:46 AM

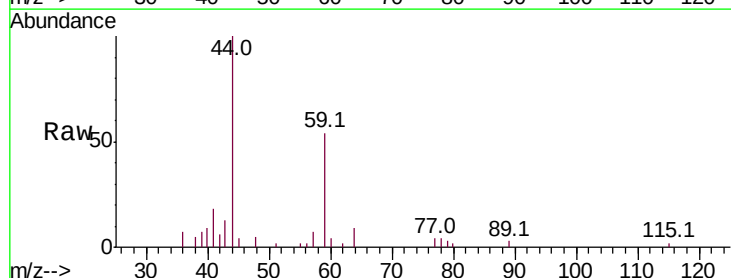


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

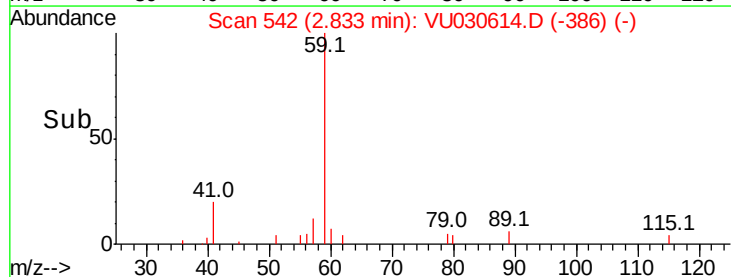
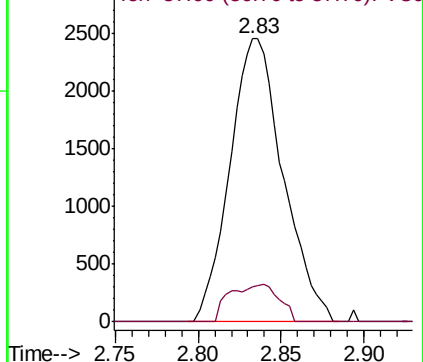


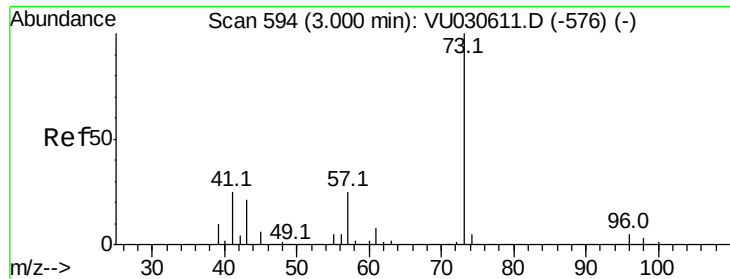
#24
tert-Butyl Alcohol
Concen: 7.122 ug/l
RT: 2.83 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 59 Resp: 5476
Ion Ratio Lower Upper
59 100
57 12.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





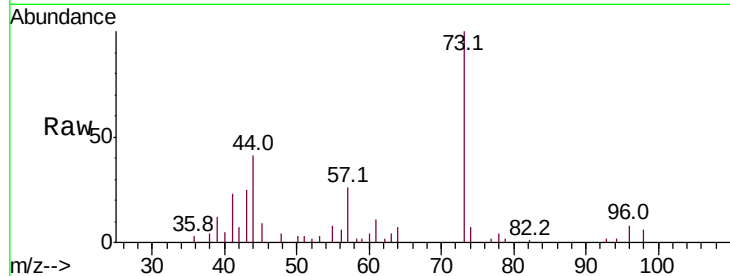
#25
Methyl tert-Butyl Ether
Concen: 0.649 ug/l
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

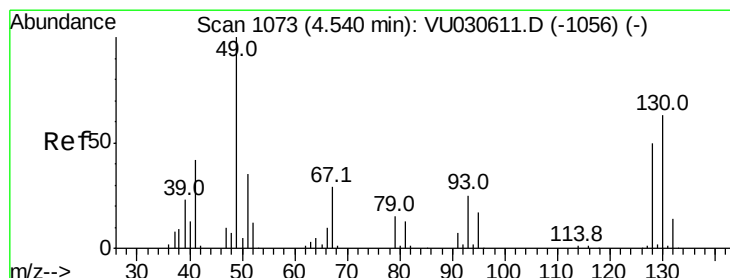
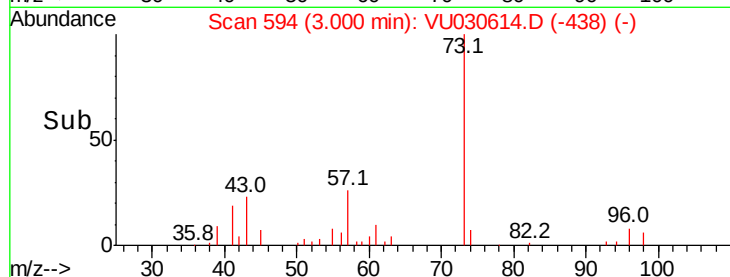
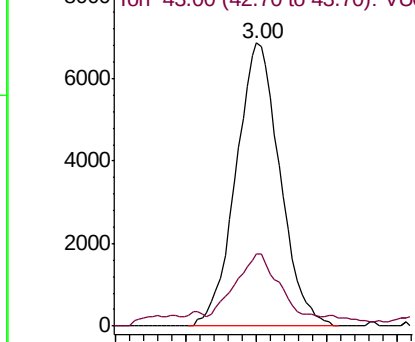
Tot Ion: 73 Resp: 14963
Ion Ratio Lower Upper
73 100
43 21.0 17.0 25.6

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4/3/2019 11:43:46 AM

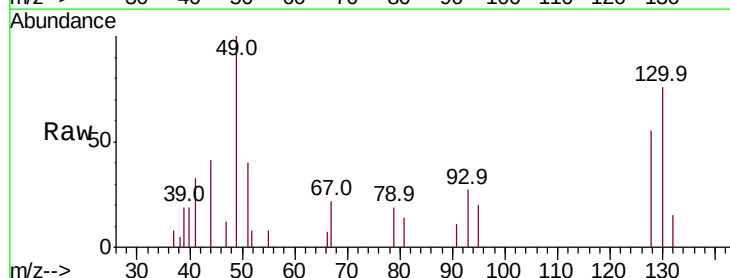


Abundance Ion 73.00 (72.70 to 73.70): VU030611.D (-576) (-)
Ion 43.00 (42.70 to 43.70): VU030611.D (-576) (-)

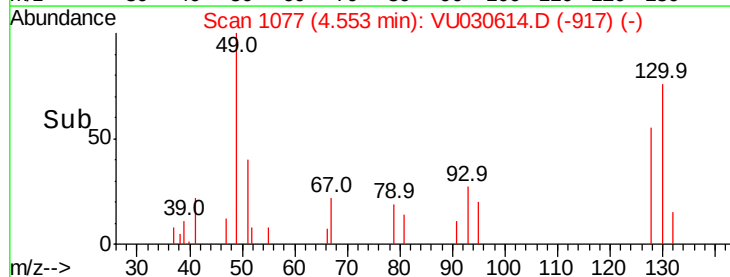
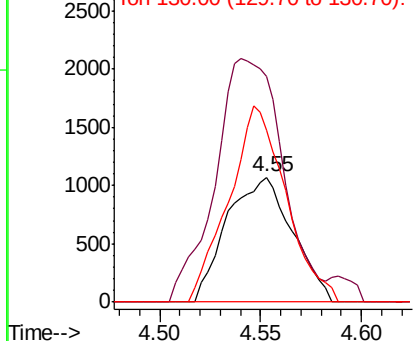


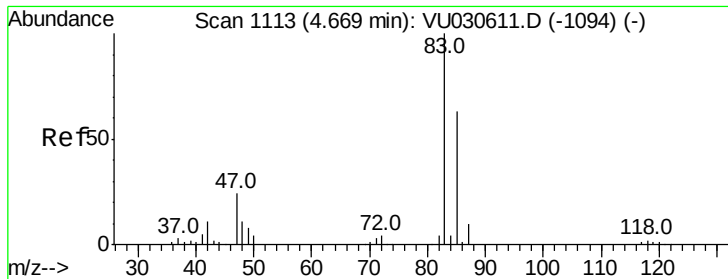
#26
Bromochloromethane
Concen: 0.495 ug/l
RT: 4.55 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 128 Resp: 2420
Ion Ratio Lower Upper
128 100
49 202.0 0.0 404.8
130 137.1 100.2 150.2



Abundance Ion 128.00 (127.70 to 128.70): VU030611.D (-1056) (-)
Ion 49.00 (48.70 to 49.70): VU030611.D (-1056) (-)
Ion 130.00 (129.70 to 130.70): VU030611.D (-1056) (-)





#27

Chloroform

Concen: 0.556 ug/l

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 83 Resp: 10194

Ion Ratio Lower Upper

83 100

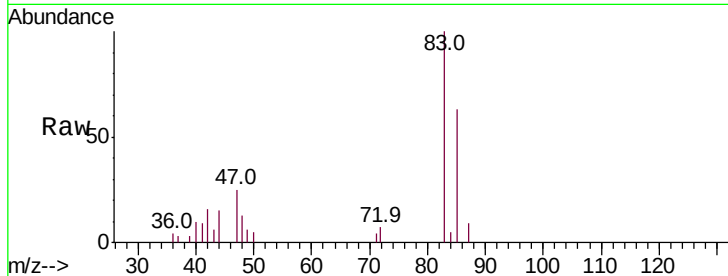
85 62.8 0.0 126.0

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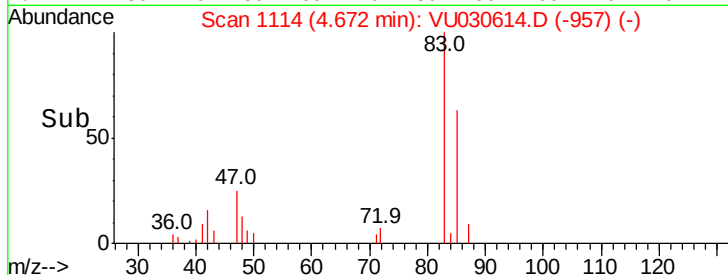


Abundance Ion 83.00 (82.70 to 83.70): VU030611.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU030611.D (-1094) (-)

4.67

Time-->

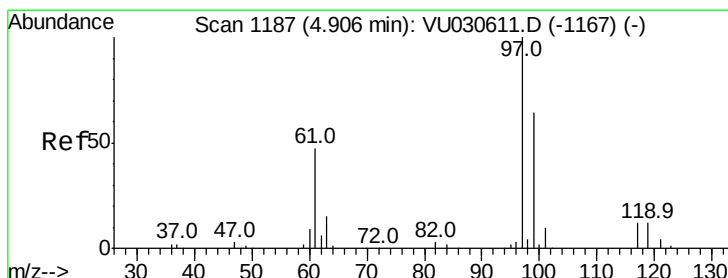


Abundance Ion 83.00 (82.70 to 83.70): VU030614.D (-957) (-)

Ion 85.00 (84.70 to 85.70): VU030614.D (-957) (-)

4.67

Time-->



#28

1,1,1-Trichloroethane

Concen: 0.561 ug/l

RT: 4.90 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

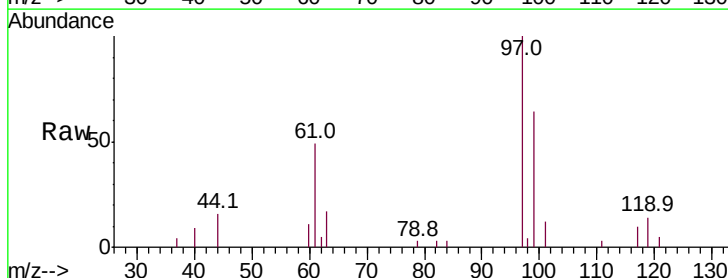
Tgt Ion: 97 Resp: 8420

Ion Ratio Lower Upper

97 100

99 69.4 31.9 95.9

61 50.2 23.4 70.0



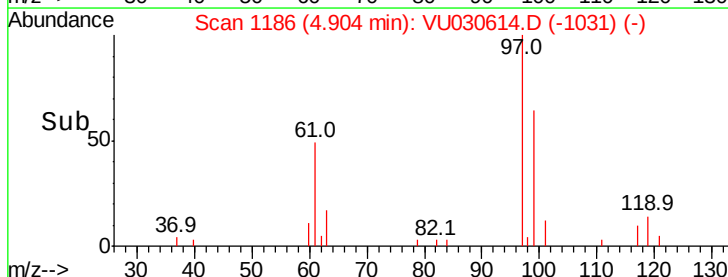
Abundance Ion 97.00 (96.70 to 97.70): VU030611.D (-1167) (-)

Ion 99.00 (98.70 to 99.70): VU030611.D (-1167) (-)

Ion 61.00 (60.70 to 61.70): VU030611.D (-1167) (-)

4.90

Time-->



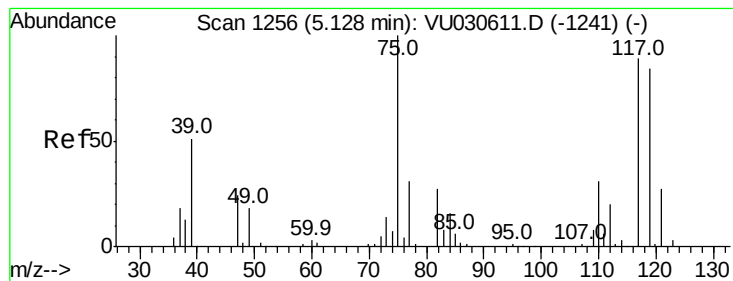
Abundance Ion 97.00 (96.70 to 97.70): VU030614.D (-1031) (-)

Ion 99.00 (98.70 to 99.70): VU030614.D (-1031) (-)

Ion 61.00 (60.70 to 61.70): VU030614.D (-1031) (-)

4.90

Time-->



#29

1,1-Dichloropropene

Concen: 0.511 ug/l

RT: 5.14 min Scan# 1259

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

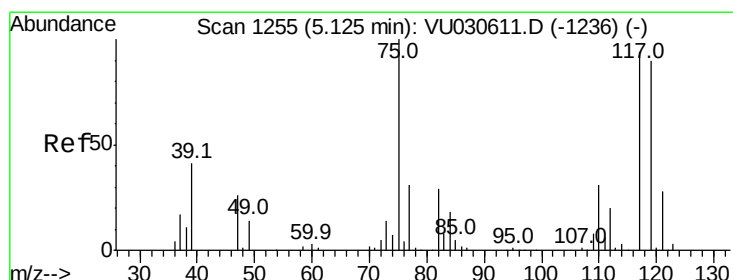
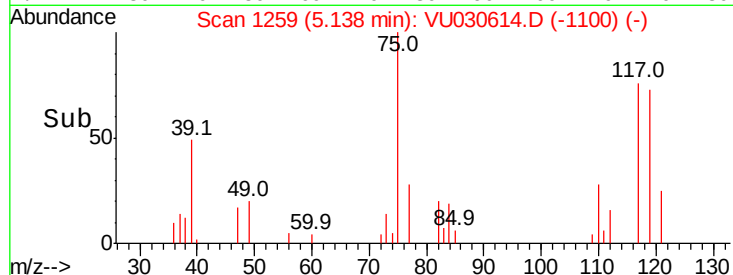
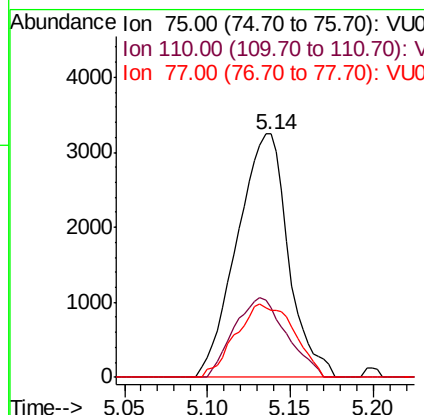
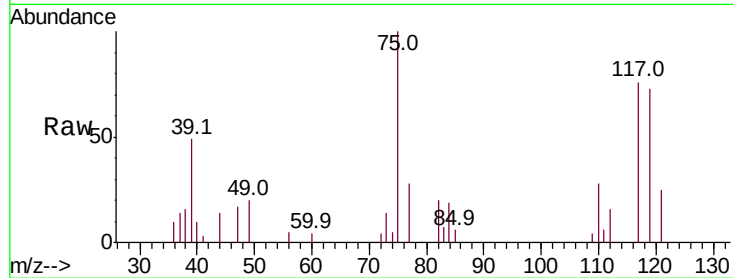
ClientSampleId :

VSTDIC0.5

Tot Ion:	75	Resp:	6968
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.2	48.5
77	34.1	24.6	36.8

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#30

Carbon Tetrachloride

Concen: 0.577 ug/l

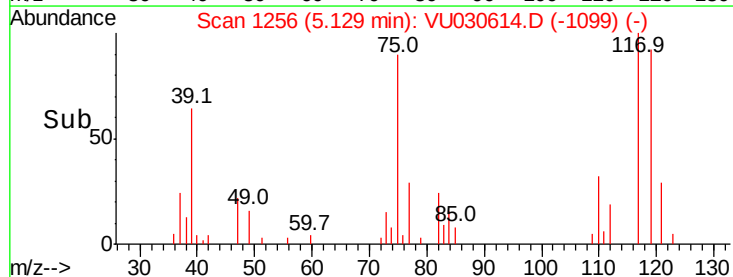
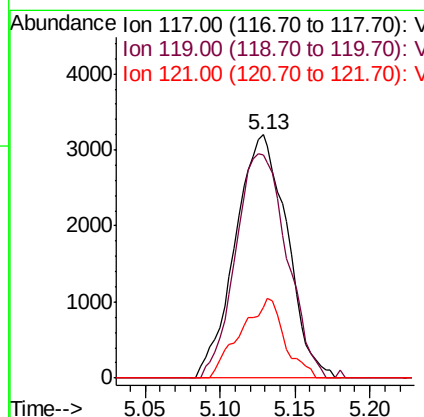
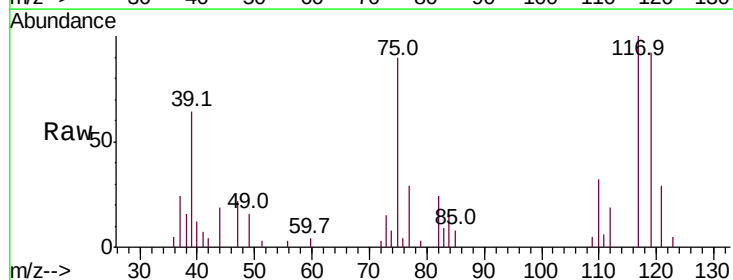
RT: 5.13 min Scan# 1256

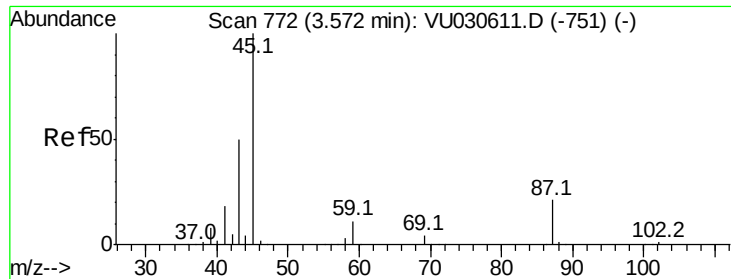
Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion:	117	Resp:	7715
Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.9	113.9
121	28.8	24.2	36.2





#31

Isopropyl Ether

Concen: 0.717 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 18599

Ion Ratio Lower Upper

45 100

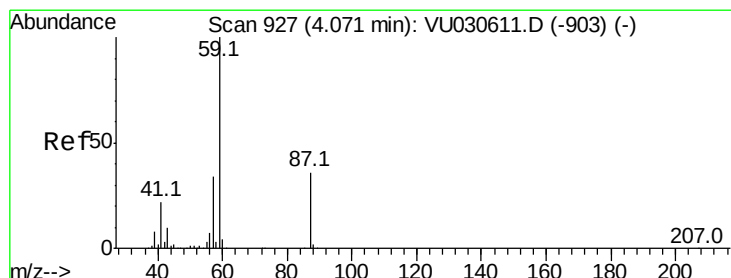
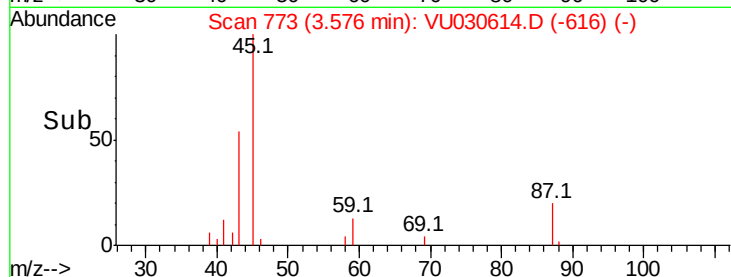
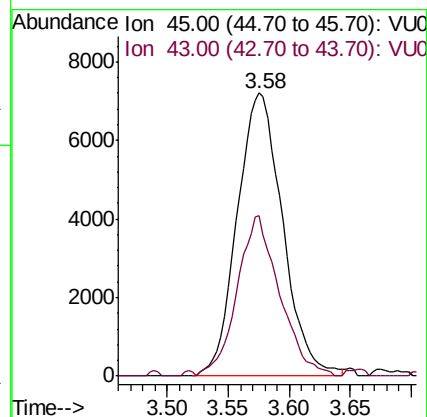
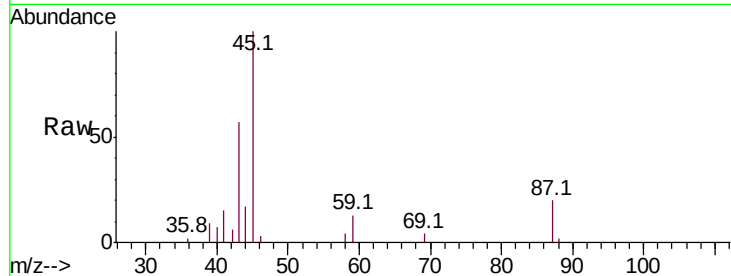
43 53.1 25.0 75.0

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#32

Ethyl-t-butyl ether

Concen: 0.608 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.01 min

Lab File: VU030614.D

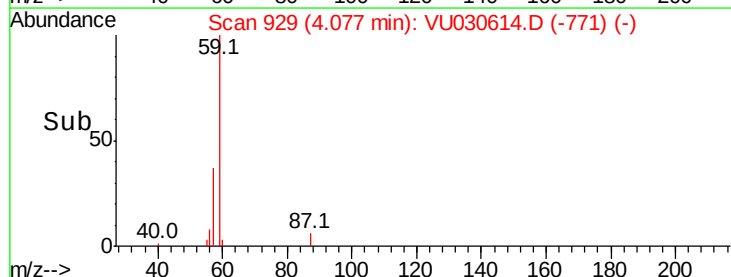
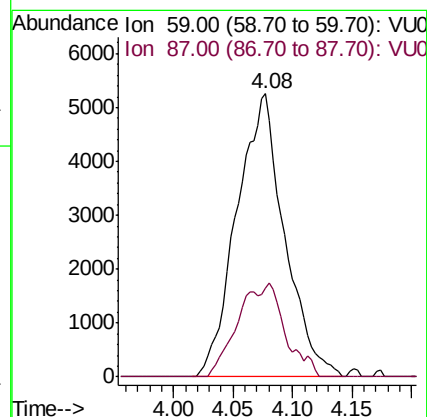
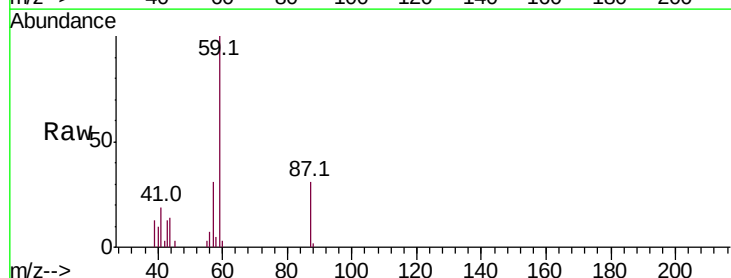
Acq: 02 Apr 2019 22:08

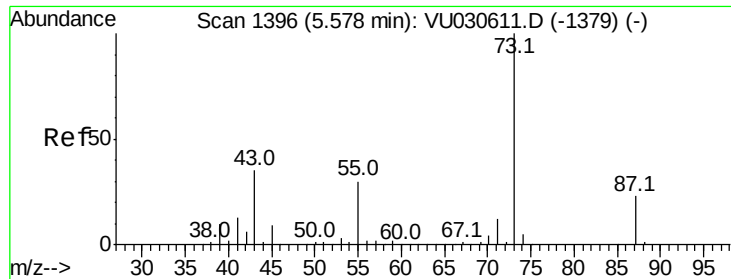
Tgt Ion: 59 Resp: 14617

Ion Ratio Lower Upper

59 100

87 15.7 29.5 44.3#





#33

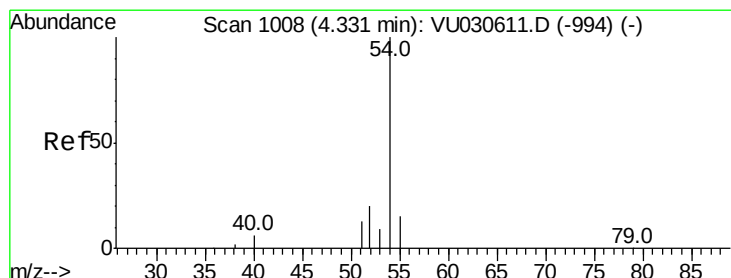
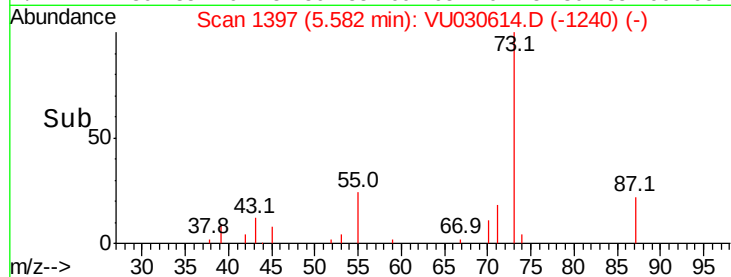
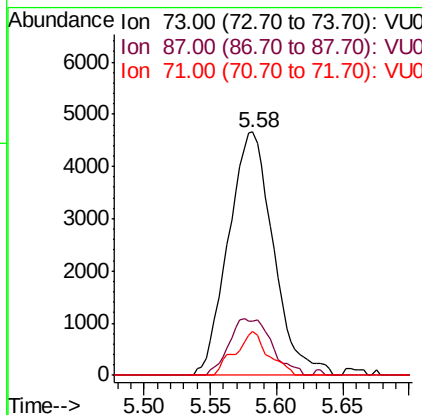
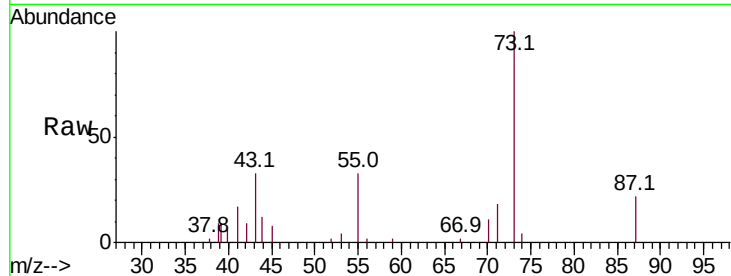
Tert-Amvl methyl ether
Concen: 0.510 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.0	18.7	28.1
71	13.1	9.4	14.0

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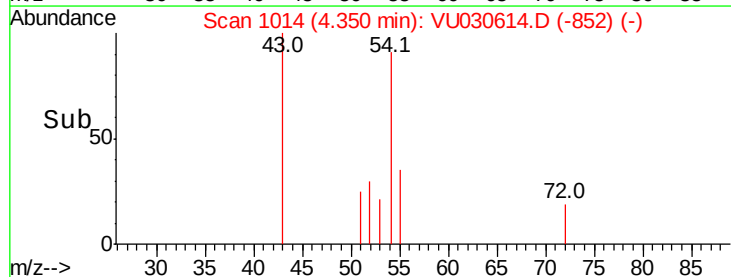
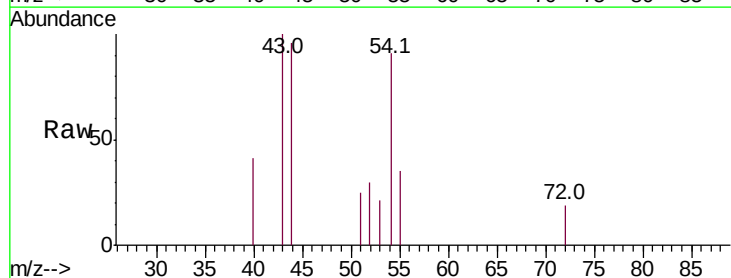
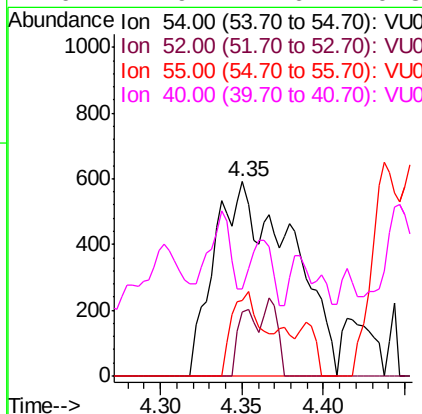
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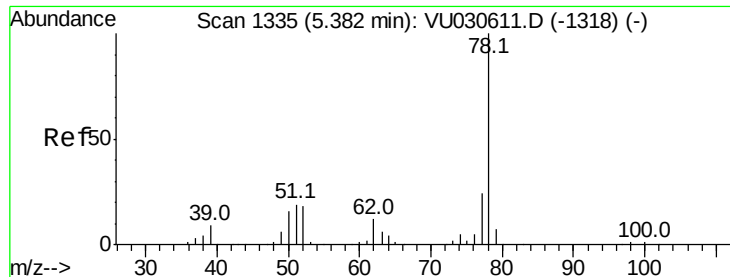


#34

Propionitrile
Concen: 2.797 ug/l m
RT: 4.35 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
54	100		
52	8.2	15.3	22.9#
55	15.8	11.4	17.0
40	11.9	4.6	6.8#





#35

Benzene

Concen: 0.525 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 78 Resp: 20919

Ion Ratio Lower Upper

78 100

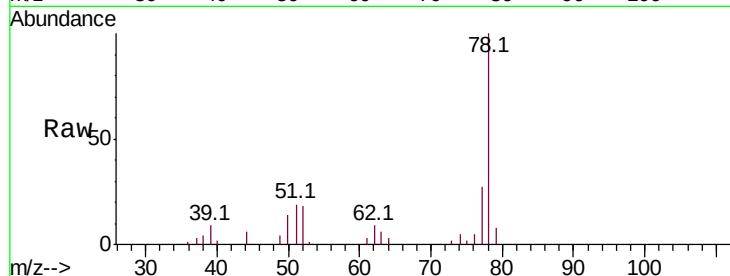
77 27.0 19.4 29.2

Manual Integrations

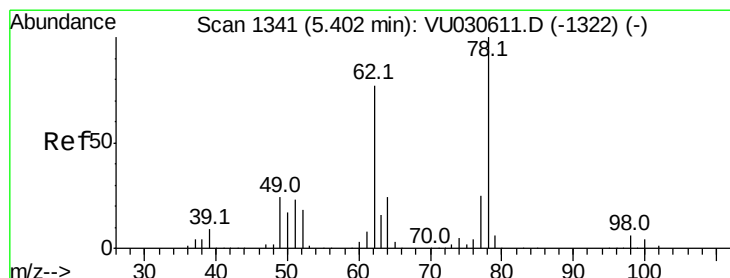
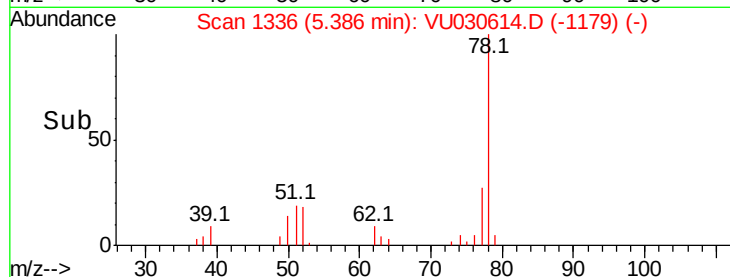
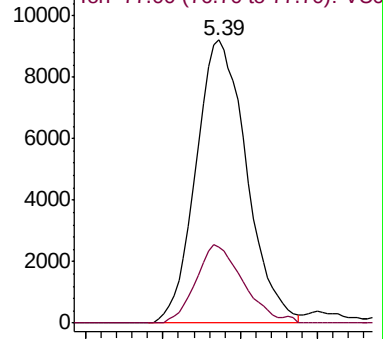
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Abundance Ion 78.10 (77.80 to 78.80): VU030611.D (-1318) (-)



#36

1,2-Dichloroethane

Concen: 0.601 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030614.D

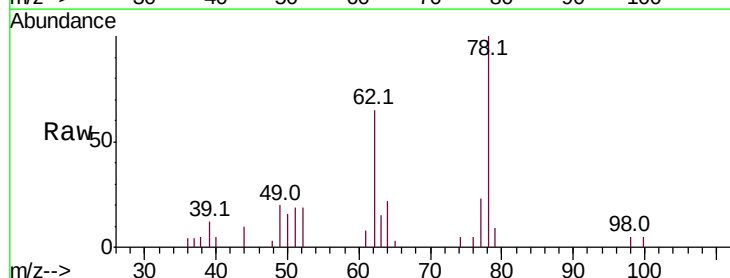
Acq: 02 Apr 2019 22:08

Tgt Ion: 62 Resp: 6654

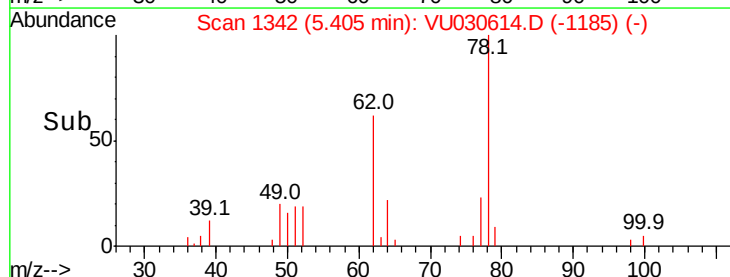
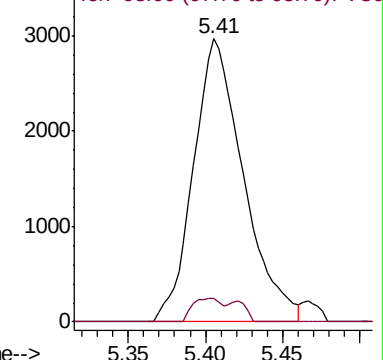
Ion Ratio Lower Upper

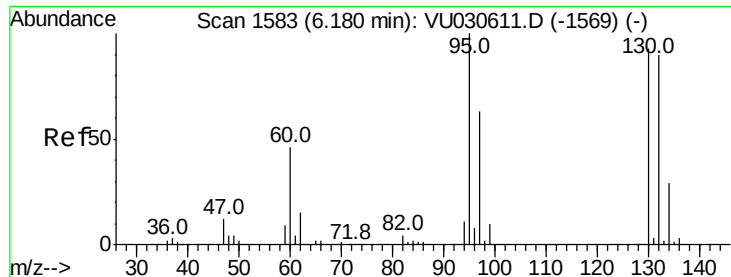
62 100

98 4.7 6.5 9.7#



Abundance Ion 62.00 (61.70 to 62.70): VU030611.D (-1322) (-)





#37

Trichloroethene

Concen: 0.487 ug/l

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

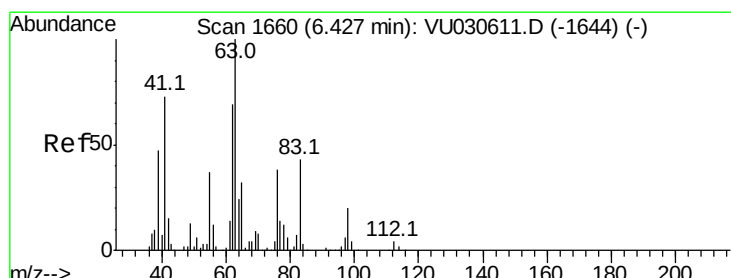
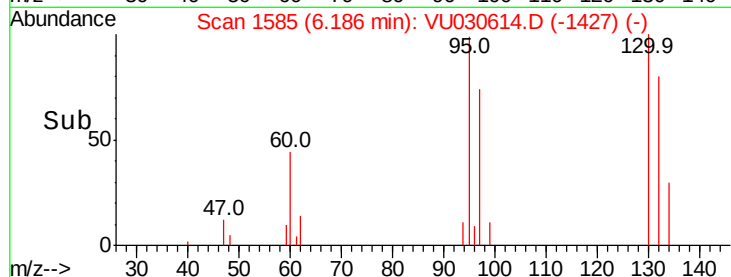
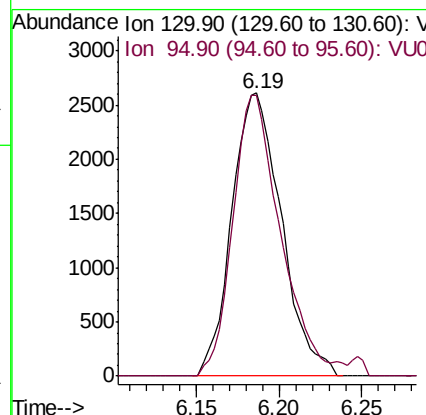
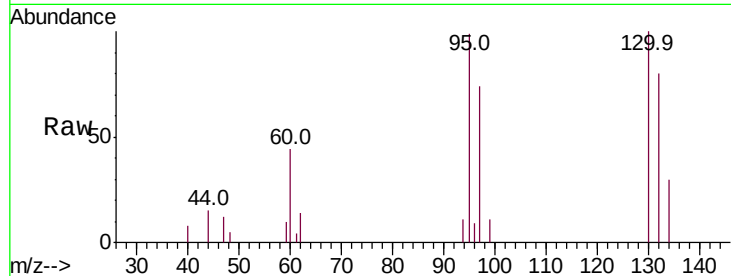
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:130 Resp: 5424

Ion	Ratio	Lower	Upper
130	100		
95	99.0	85.7	128.5

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#38

1,2-Dichloropropane

Concen: 0.643 ug/l

RT: 6.44 min Scan# 1663

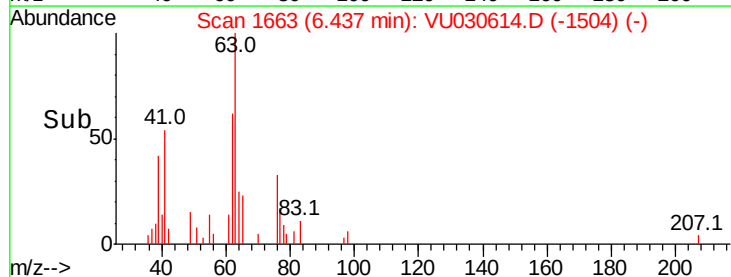
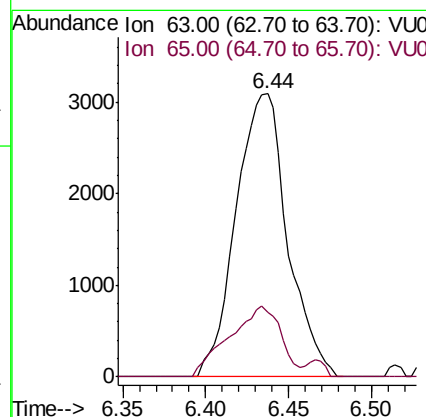
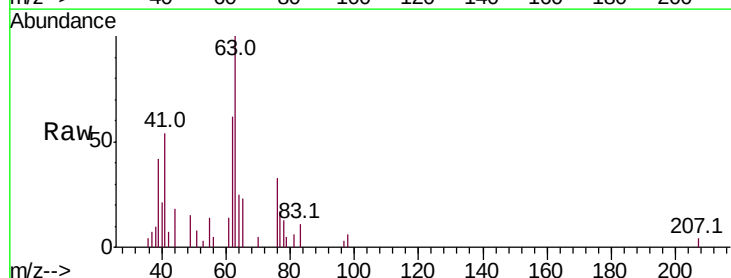
Delta R.T. 0.01 min

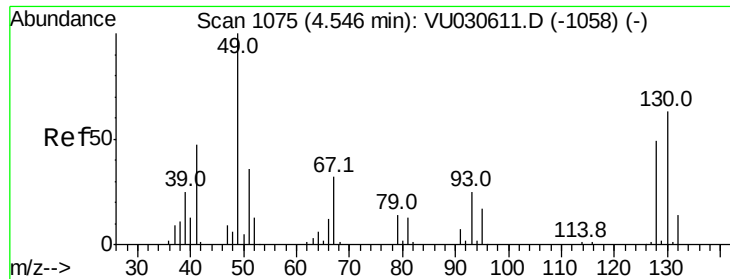
Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion: 63 Resp: 6671

Ion	Ratio	Lower	Upper
63	100		
65	22.7	25.5	38.3#





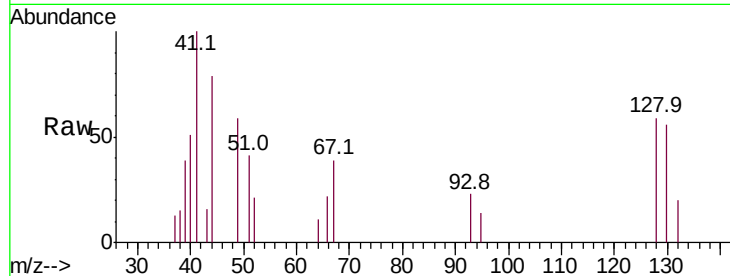
#39
Methacrylonitrile
Concen: 0.764 ug/l
RT: 4.57 min Scan# 1082
Delta R.T. 0.02 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
67	48.3	54.1	81.1#
39	35.4	41.7	62.5#
52	13.1	23.8	35.6#

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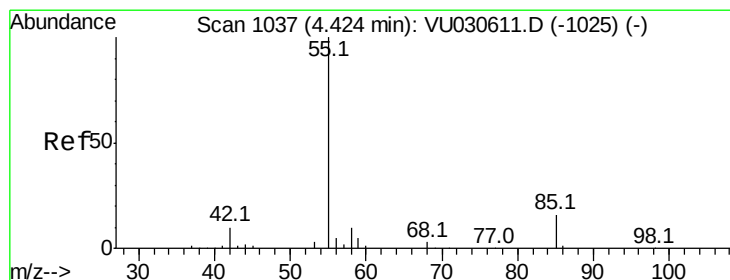
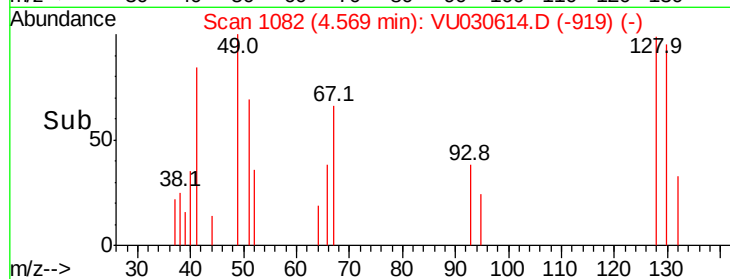
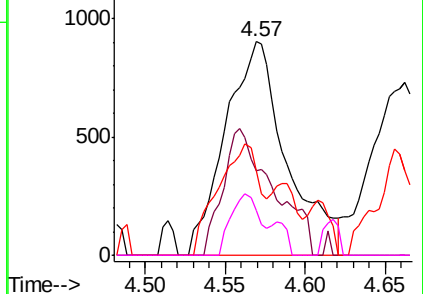
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 0.432 ug/l m
RT: 4.46 min Scan# 1048
Delta R.T. 0.04 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

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

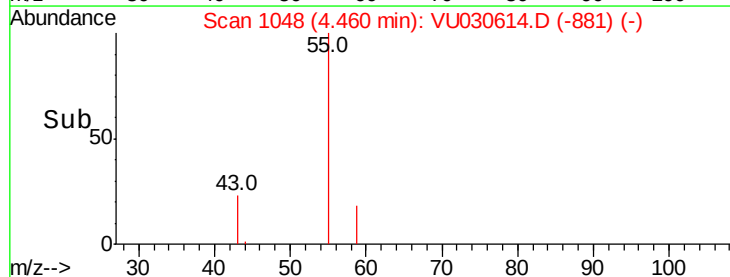
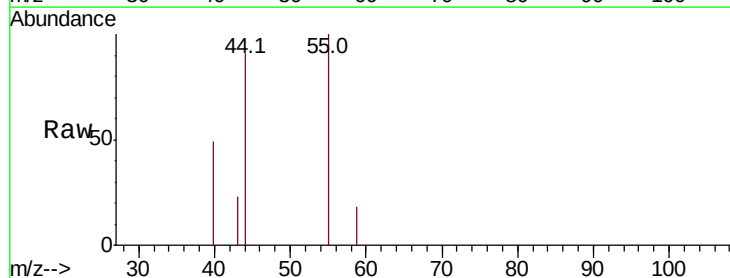
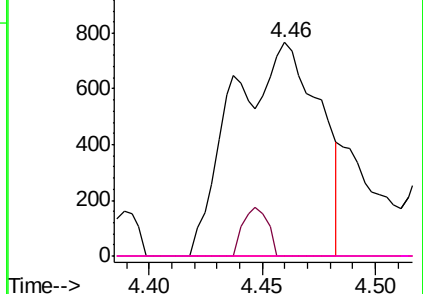
Abundance

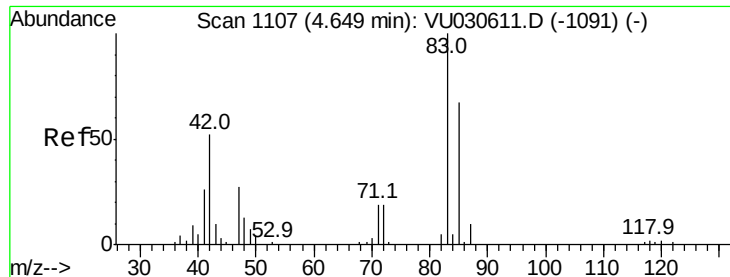
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





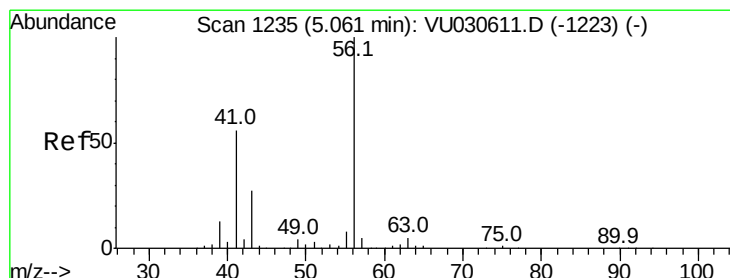
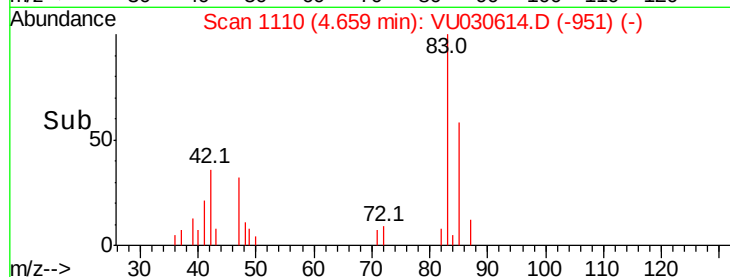
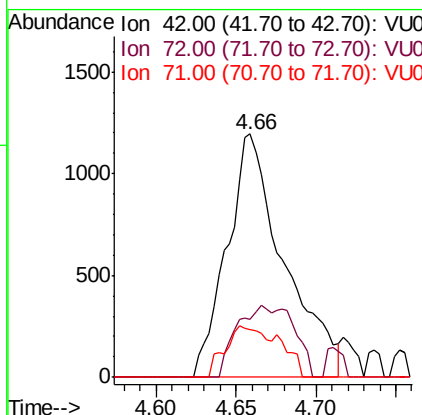
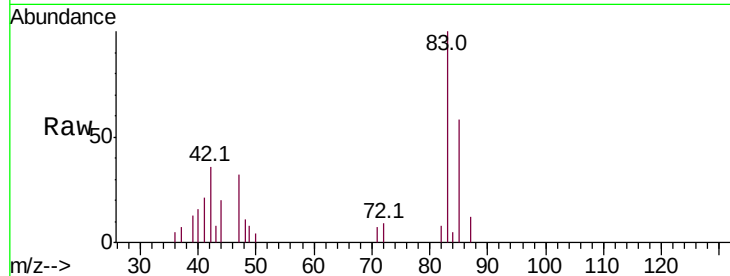
#41
Tetrahydrofuran
Concen: 1.698 ug/l
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	17.9	29.8	44.8#
71	20.0	27.7	41.5#

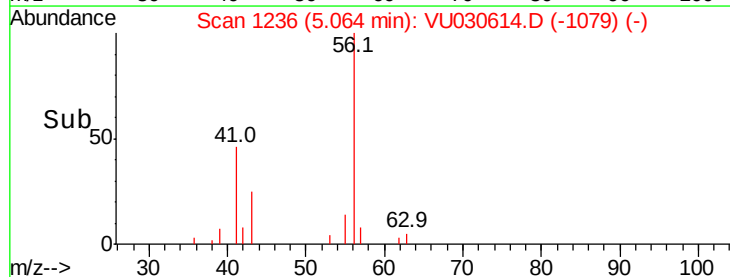
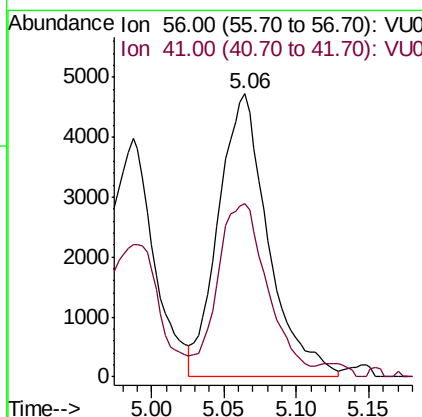
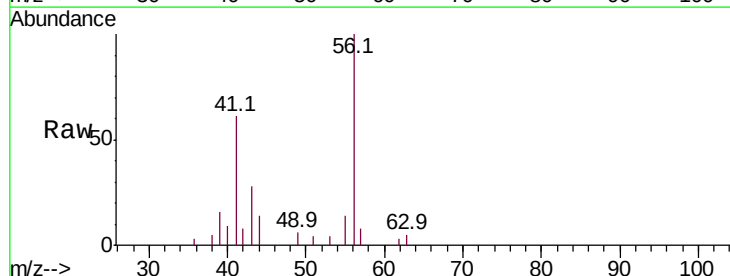
Manual Integrations
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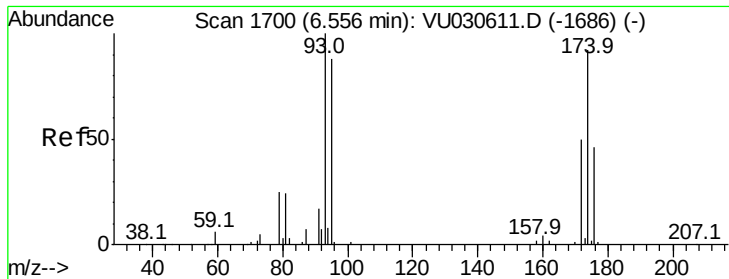
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#42
1-Chlorobutane
Concen: 0.612 ug/l
RT: 5.06 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.0	27.6	82.8





#43

Dibromomethane

Concen: 0.514 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

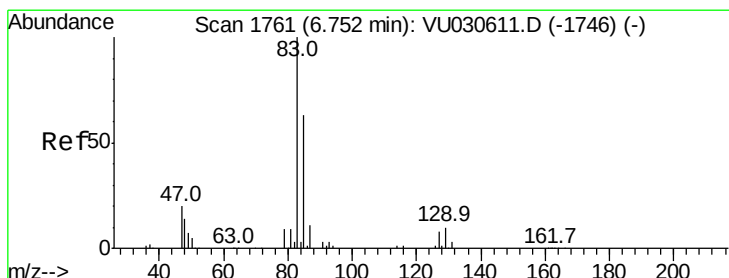
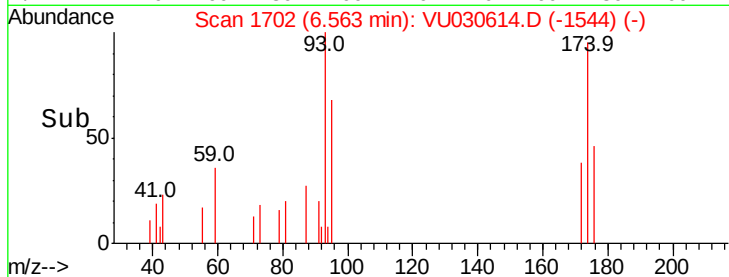
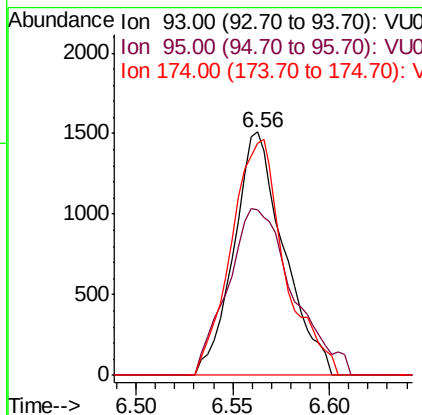
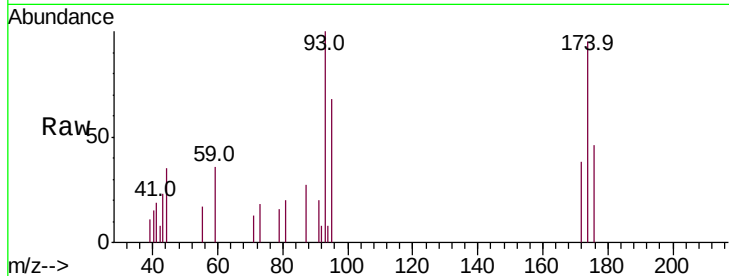
ClientSampleId :

VSTDIC0.5

Tot Ion:	93	Resp:	2716
Ion	Ratio	Lower	Upper
93	100		
95	89.3	65.7	98.5
174	103.9	70.3	105.5

Manual Integrations
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MMDadoda
4/3/2019 11:43:46 AM



#44

Bromodichloromethane

Concen: 0.591 ug/l

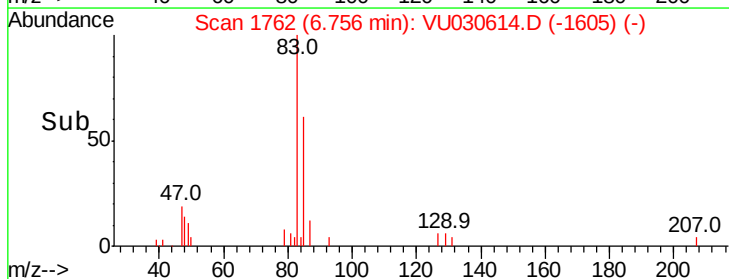
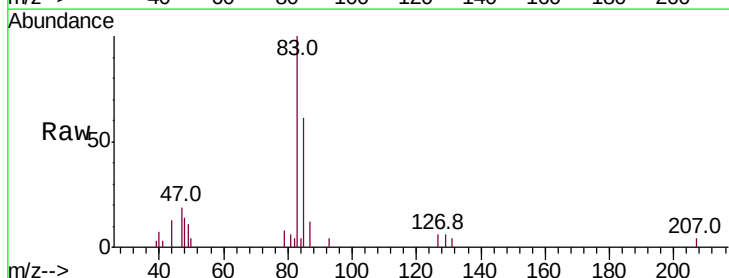
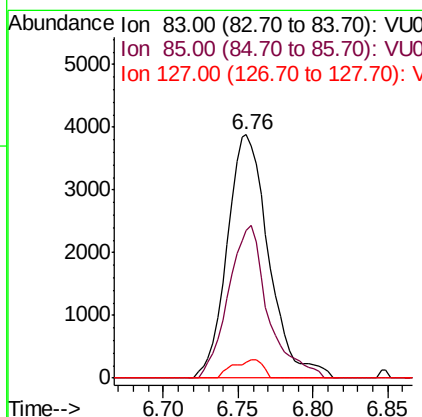
RT: 6.76 min Scan# 1762

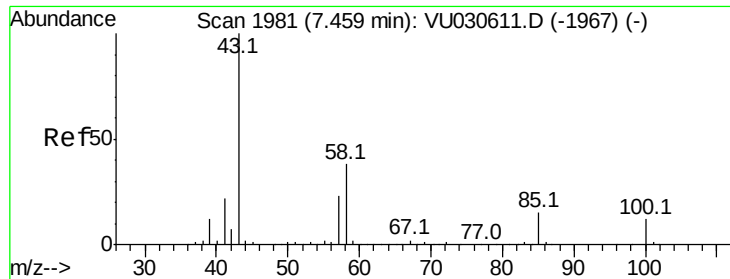
Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion:	83	Resp:	7518
Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.6	76.0
127	6.3	6.6	10.0#





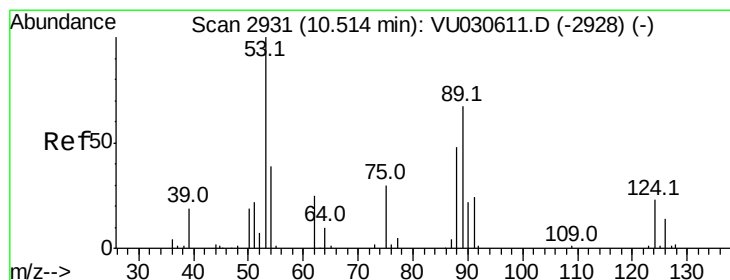
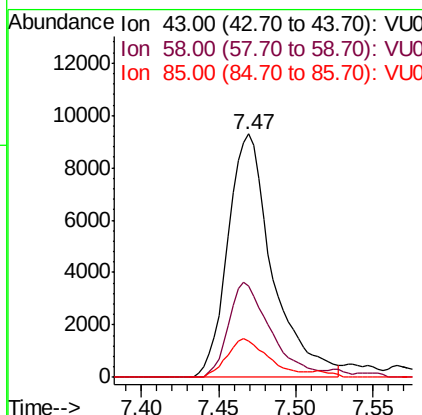
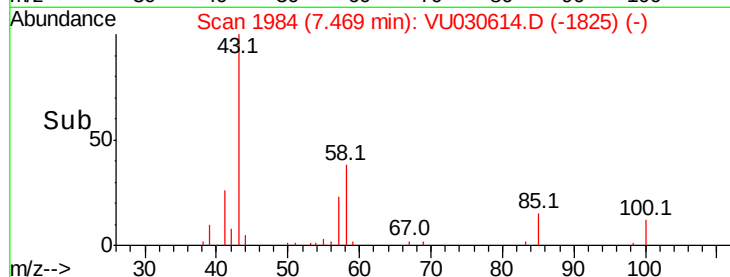
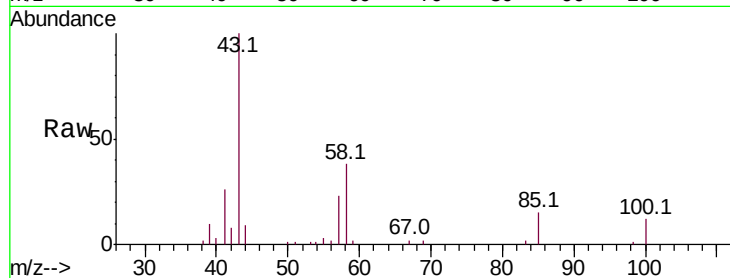
#45
4-Methyl-2-Pentanone
Concen: 3.234 ug/l
RT: 7.47 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.8	18.6	55.8
85	14.8	11.6	17.4

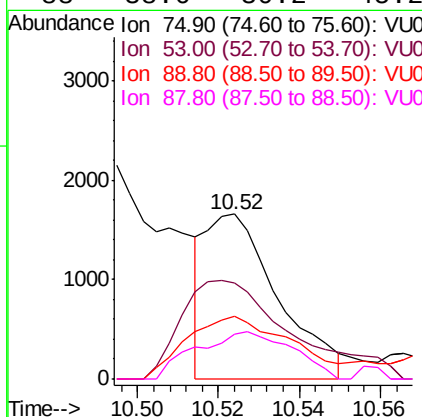
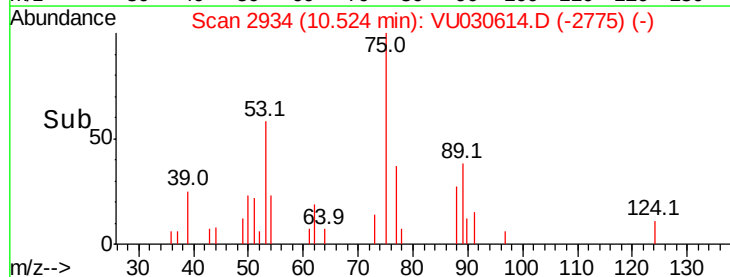
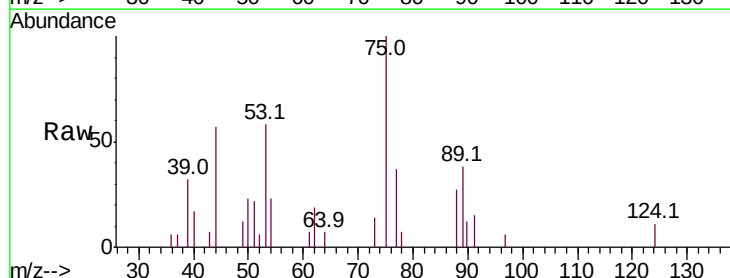
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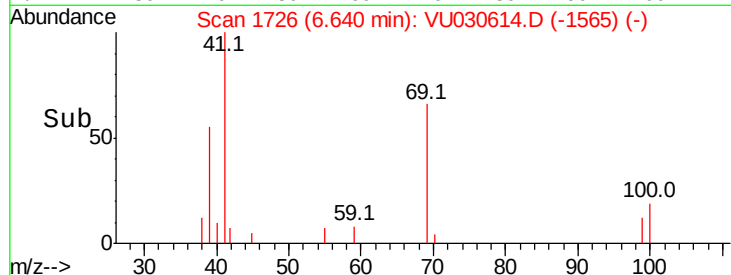
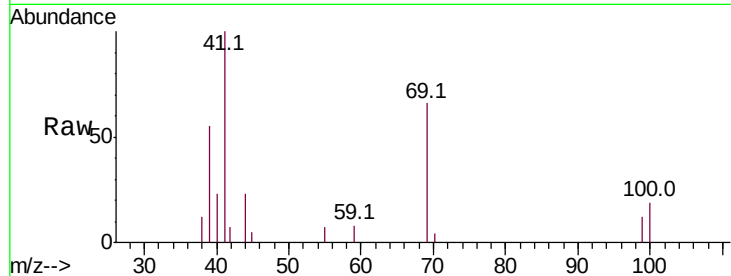
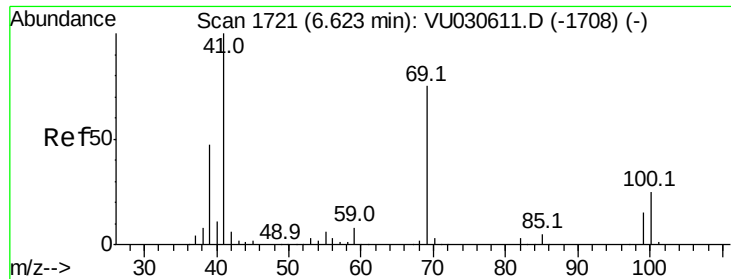
MMDadoda
4/3/2019 11:43:46 AM



#46
t-1,4-Dichloro-2-butene
Concen: 0.983 ug/l m
RT: 10.52 min Scan# 2934
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
75	100		
53	91.9	64.3	96.5
89	54.6	40.8	61.2
88	38.6	30.2	45.2





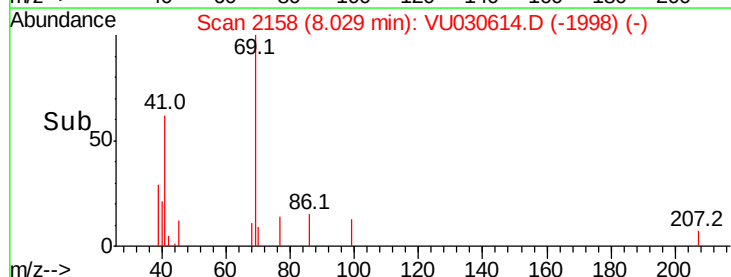
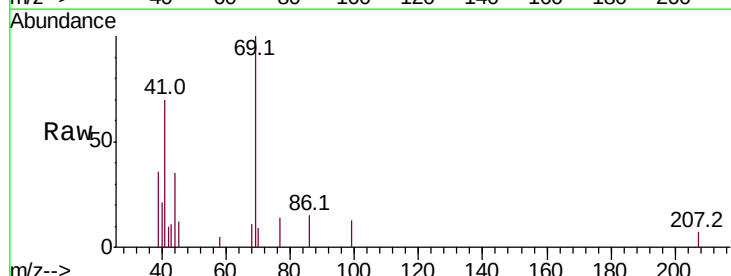
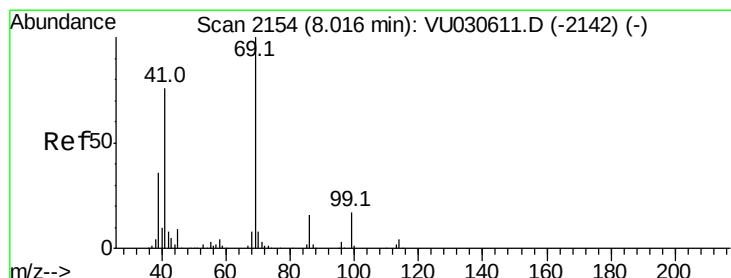
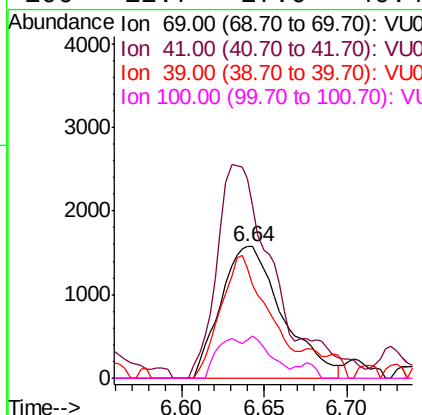
#47
Methyl methacrylate
Concen: 0.896 ug/l
RT: 6.64 min Scan# 1726
Delta R.T. 0.02 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tot Ion: 69 Resp: 4073
Ion Ratio Lower Upper
69 100
41 135.4 0.0 263.2
39 72.6 50.7 76.1
100 12.7 27.0 40.4#

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

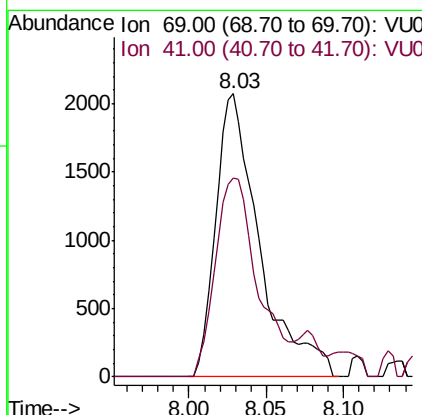
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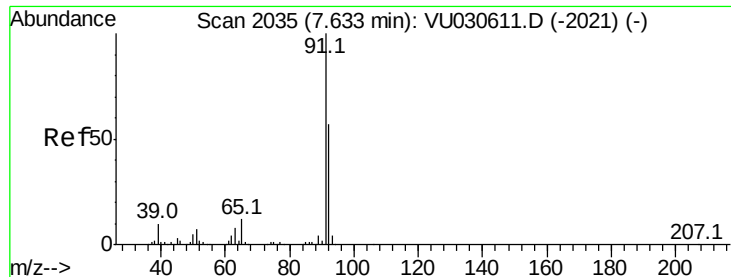
MMDadoda
4/3/2019 11:43:46 AM



#48
Ethyl methacrylate
Concen: 0.485 ug/l
RT: 8.03 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion: 69 Resp: 4086
Ion Ratio Lower Upper
69 100
41 67.7 37.3 111.9





#49

Toluene

Concen: 0.453 ug/l

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion: 92 Resp: 10720

Ion Ratio Lower Upper

92 100

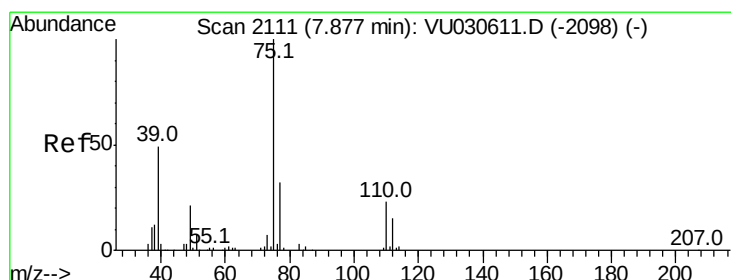
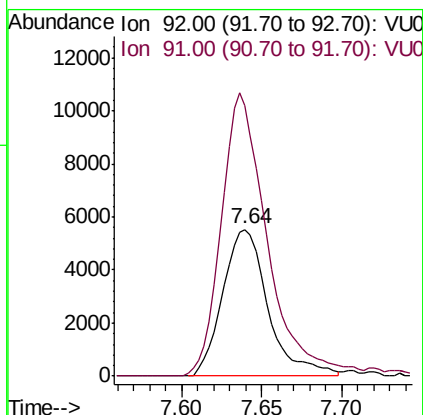
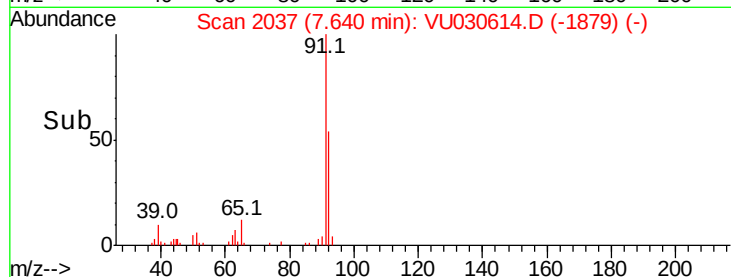
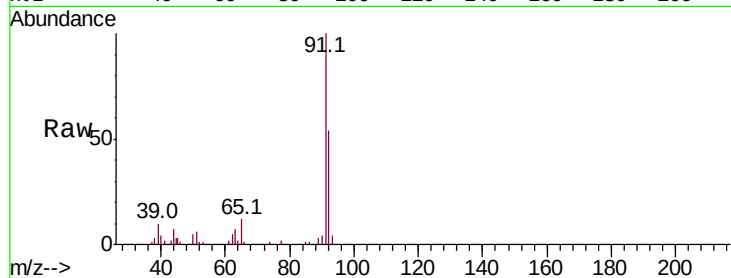
91 195.9 142.1 213.1

Manual Integrations

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MMDadoda

4/3/2019 11:43:46 AM



#50

t-1,3-Dichloropropene

Concen: 0.530 ug/l

RT: 7.89 min Scan# 2115

Delta R.T. 0.01 min

Lab File: VU030614.D

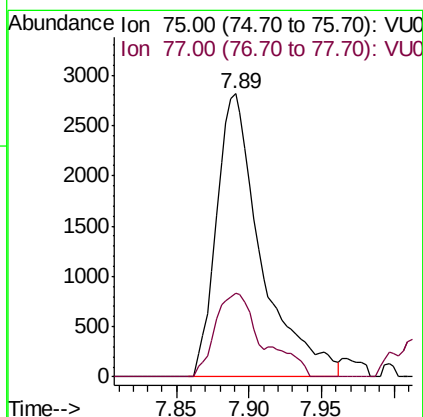
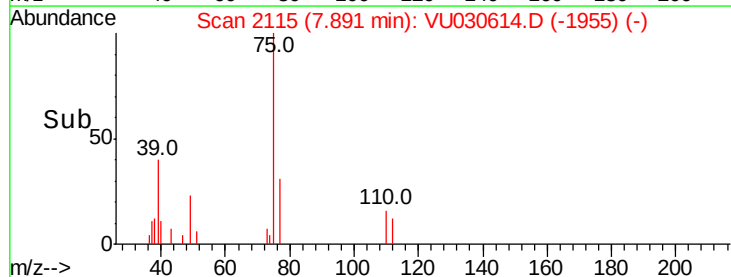
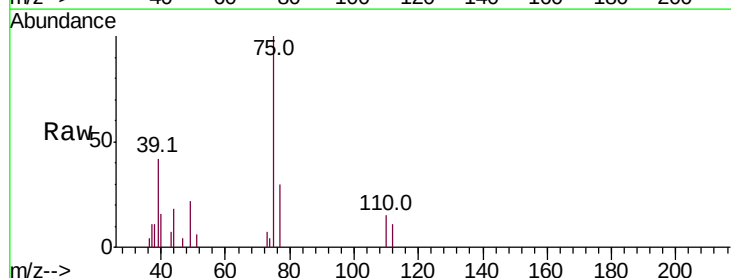
Acq: 02 Apr 2019 22:08

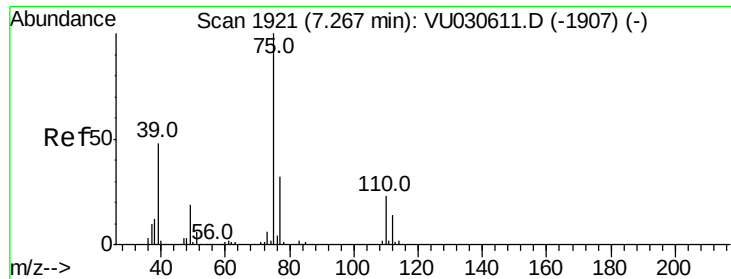
Tgt Ion: 75 Resp: 6021

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0





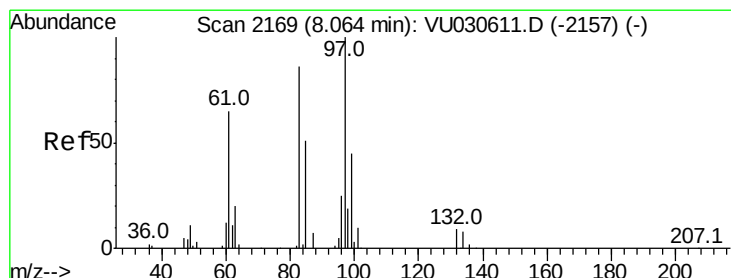
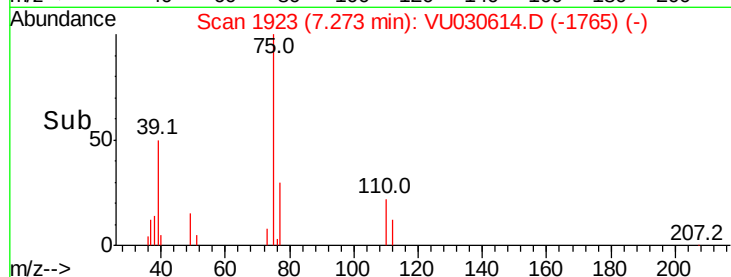
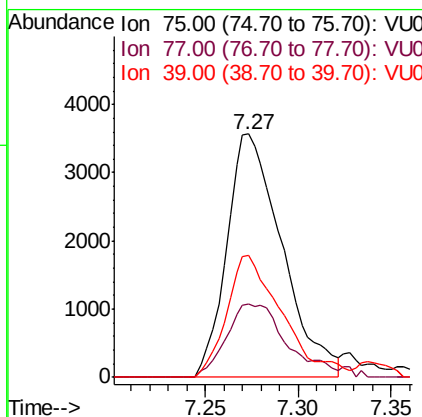
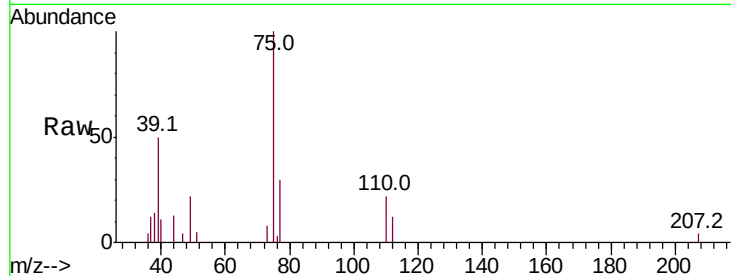
#51
 cis-1,3-Dichloropropene
 Concen: 0.524 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0
39	50.1	38.5	57.7

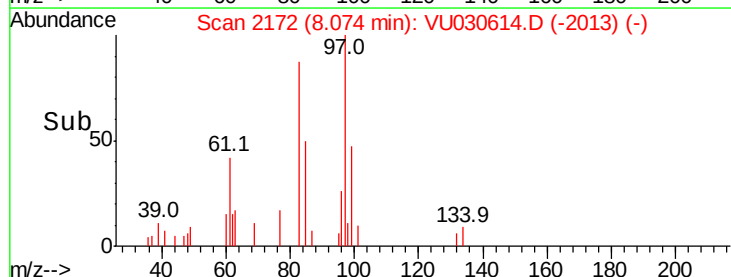
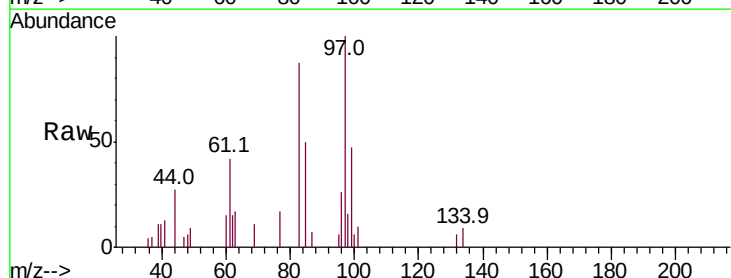
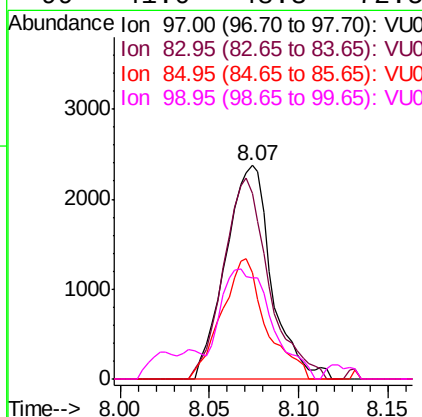
Manual Integrations
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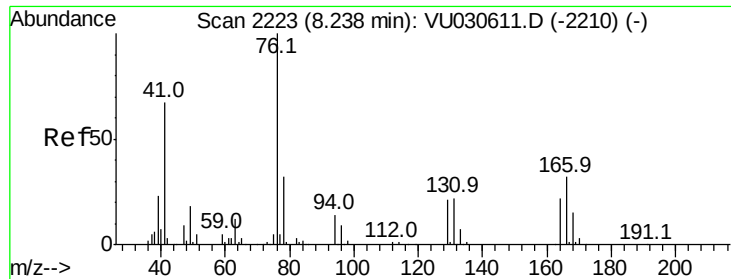
MMDadoda
 4/3/2019 11:43:46 AM



#52
 1,1,2-Trichloroethane
 Concen: 0.574 ug/l
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	68.6	103.0
85	49.6	41.8	62.8
99	41.0	48.3	72.5#





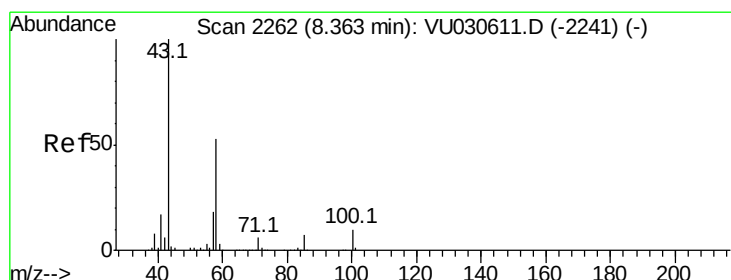
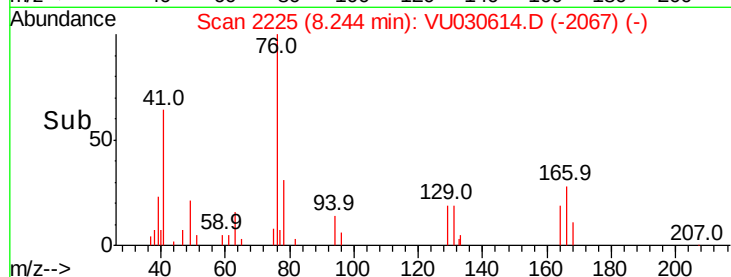
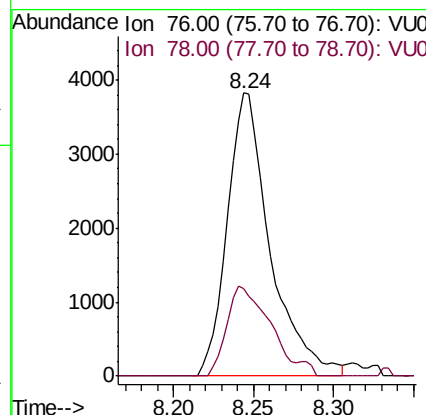
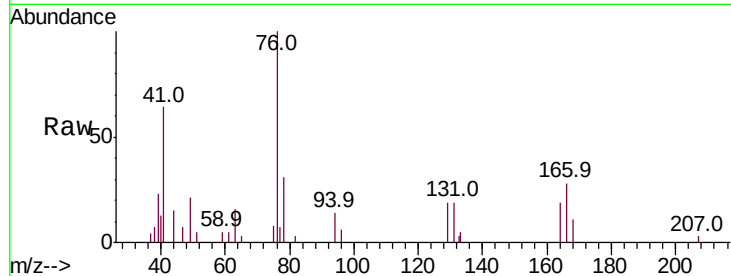
#53
 1,3-Dichloropropane
 Concen: 0.557 ug/l
 RT: 8.24 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.2	37.8

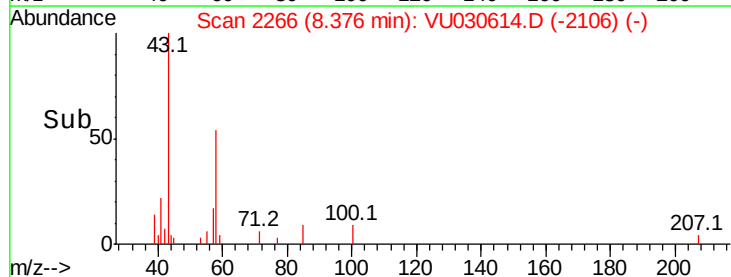
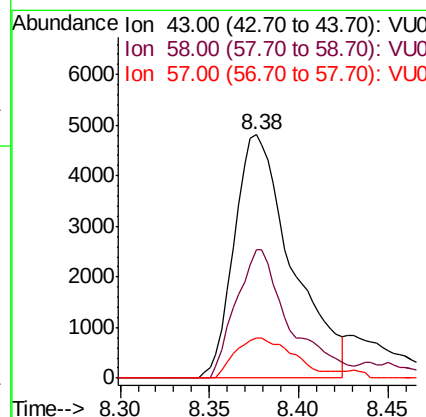
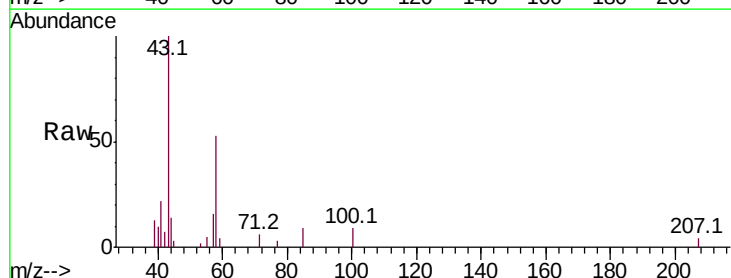
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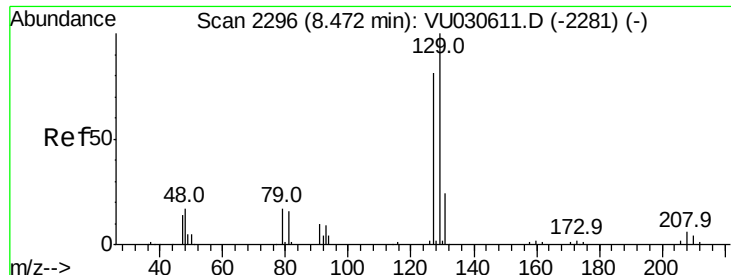
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#54
 2-Hexanone
 Concen: 2.665 ug/l
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.4	33.1	73.1
57	16.5	0.0	38.1





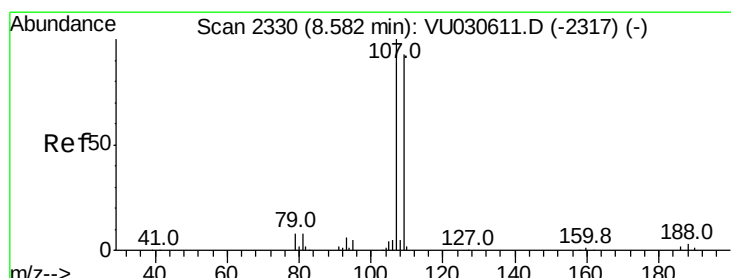
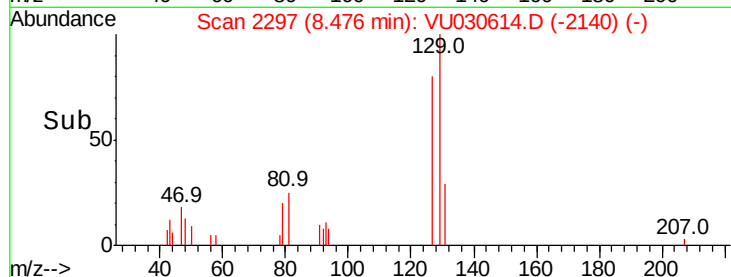
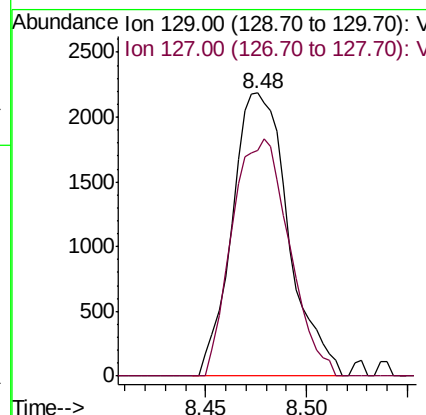
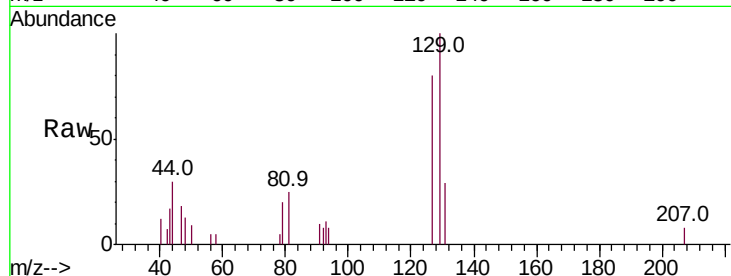
#55
Dibromochloromethane
Concen: 0.482 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
129	100		
127	84.8	62.8	94.2

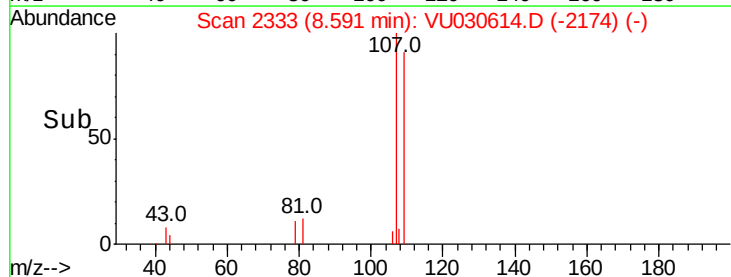
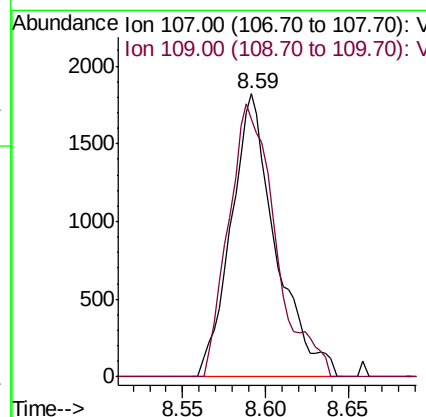
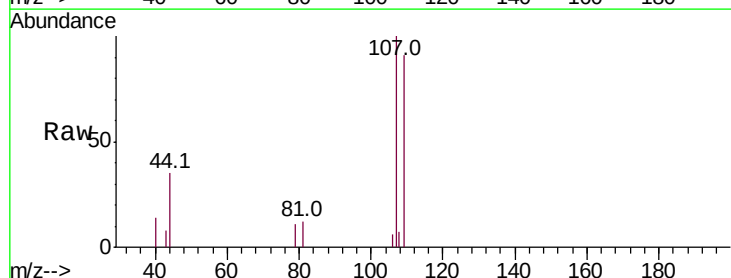
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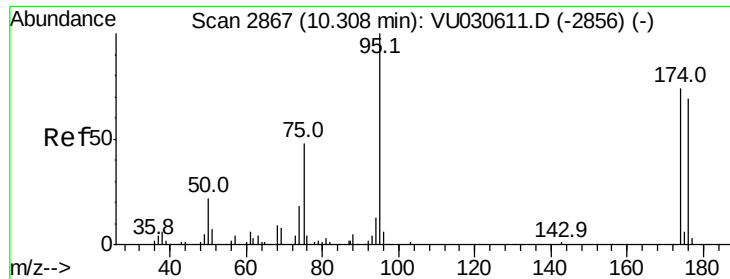
MMDadoda
4/3/2019 11:43:46 AM



#56
1,2-Dibromoethane
Concen: 0.481 ug/l
RT: 8.59 min Scan# 2333
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
107	100		
109	101.8	0.0	187.2





#57

4-Bromofluorobenzene

Concen: 0.481 ug/l

RT: 10.31 min Scan# 2867

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 95 Resp: 10458

Ion Ratio Lower Upper

95 100

174 82.3 59.1 88.7

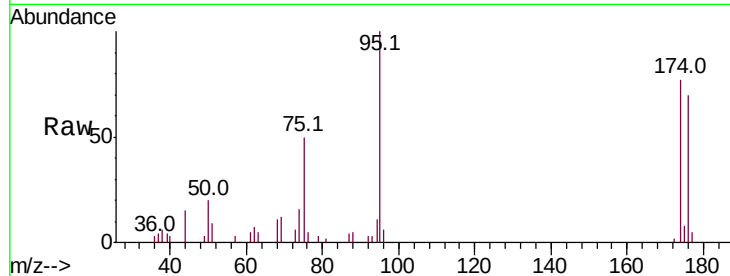
176 71.5 55.7 83.5

Manual Integrations

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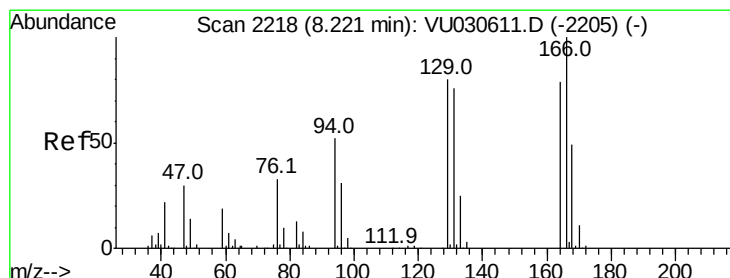
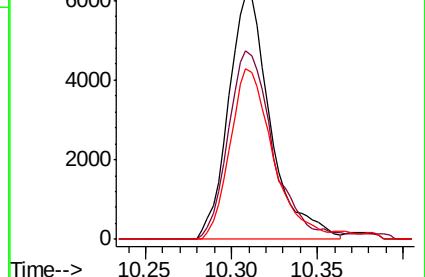
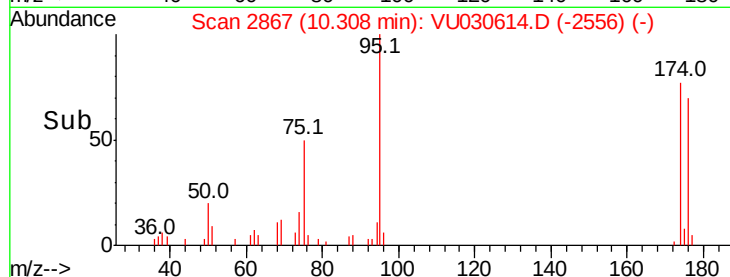
4/3/2019 11:43:46 AM



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: 0.438 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion: 164 Resp: 4399

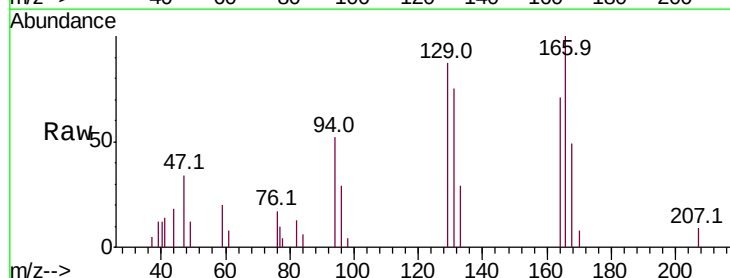
Ion Ratio Lower Upper

164 100

166 141.8 101.0 151.4

129 123.5 80.6 120.8#

131 105.9 76.9 115.3

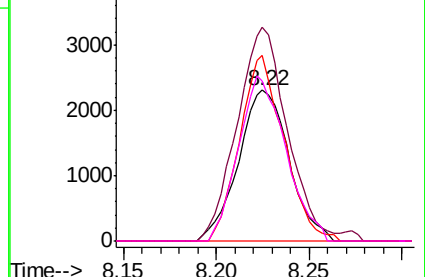
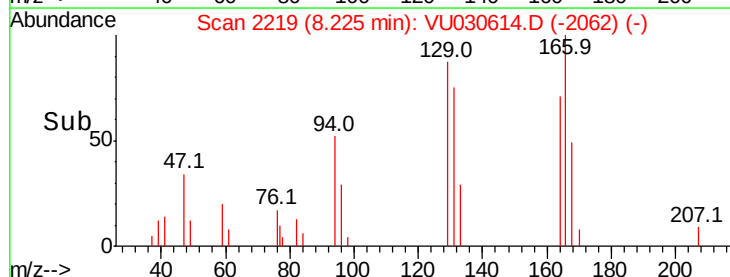


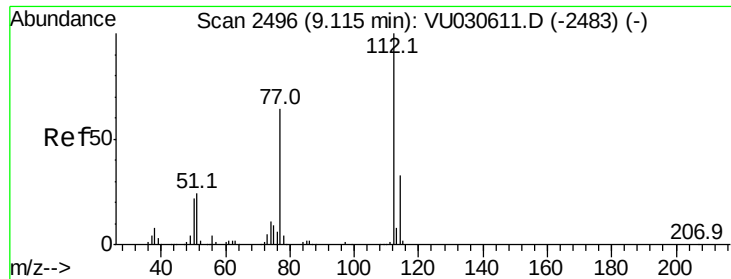
Abundance Ion 163.85 (163.55 to 164.55): VU030611.D (-2205) (-)

Ion 165.80 (165.50 to 166.50): VU030611.D (-2205) (-)

Ion 128.90 (128.60 to 129.60): VU030611.D (-2205) (-)

Ion 130.90 (130.60 to 131.60): VU030611.D (-2205) (-)





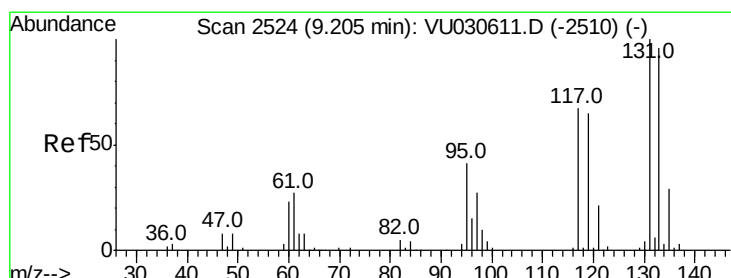
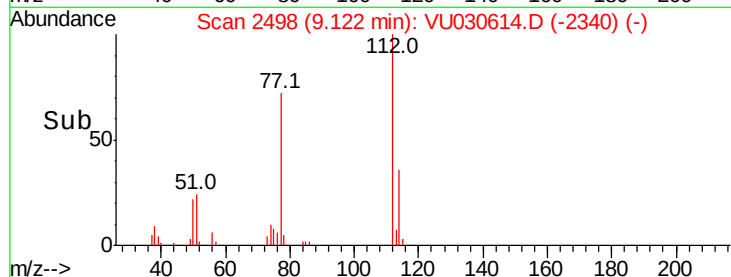
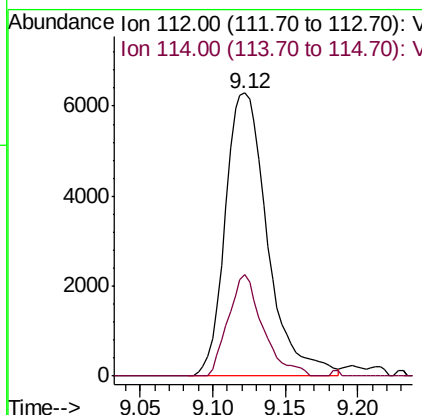
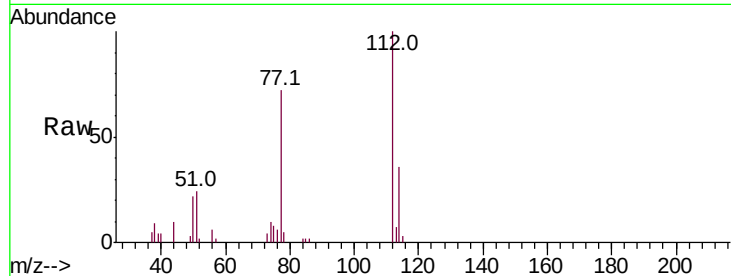
#59
Chlorobenzene
Concen: 0.476 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.1	26.2	39.4

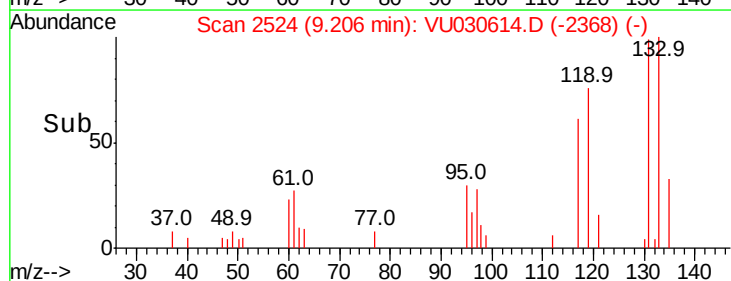
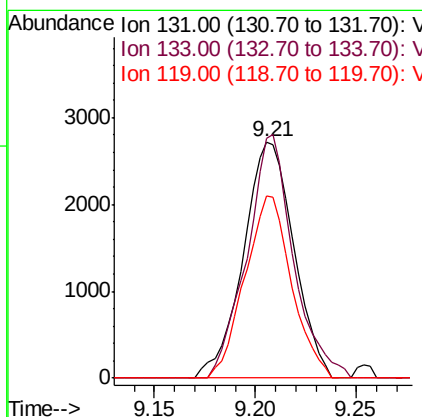
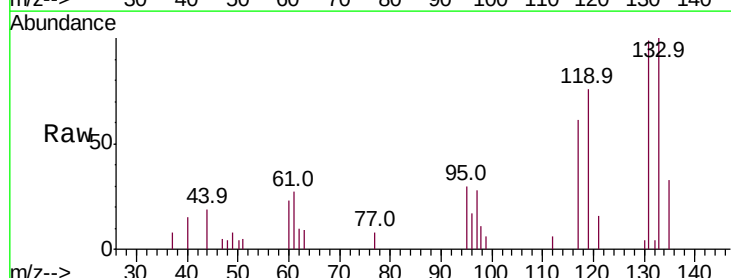
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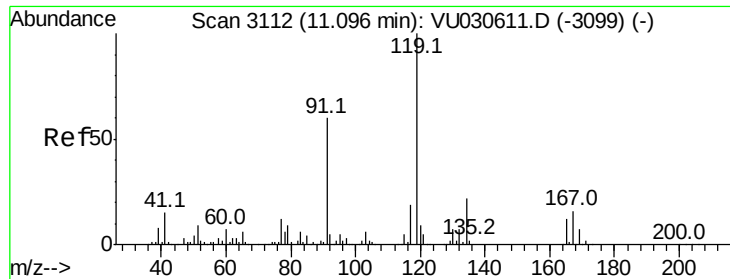
MMDadoda
4/3/2019 11:43:46 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.498 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030614.D
Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.0	112.6
119	71.3	52.2	78.2





#61

Pentachloroethane

Concen: 0.466 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3426

Ion Ratio Lower Upper

117 100

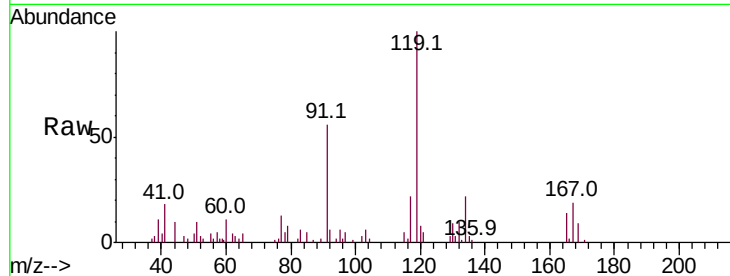
167 83.6 65.6 98.4

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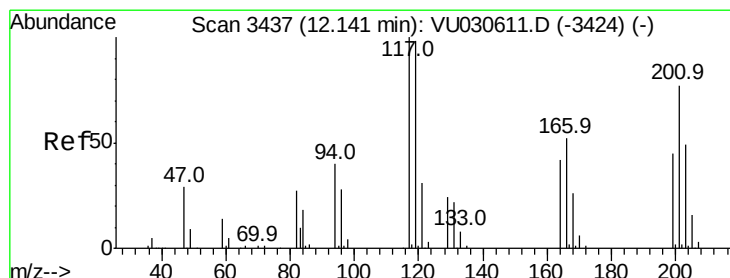
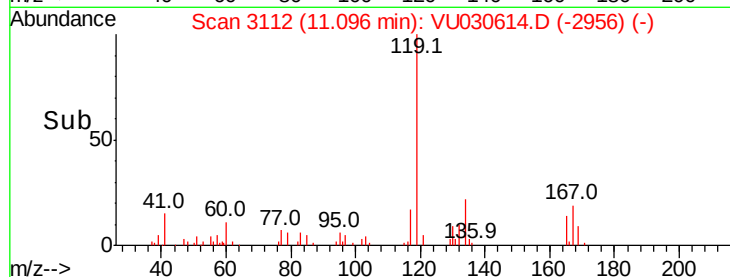
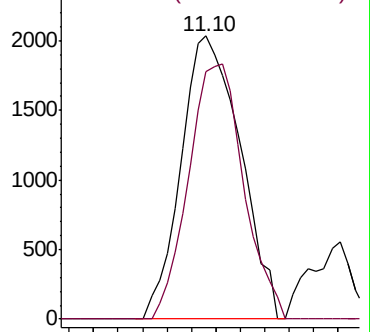
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.457 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030614.D

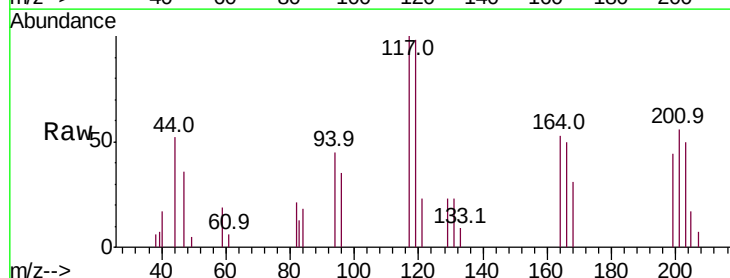
Acq: 02 Apr 2019 22:08

Tgt Ion:117 Resp: 3326

Ion Ratio Lower Upper

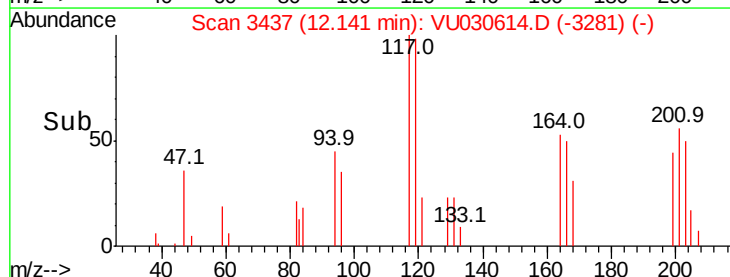
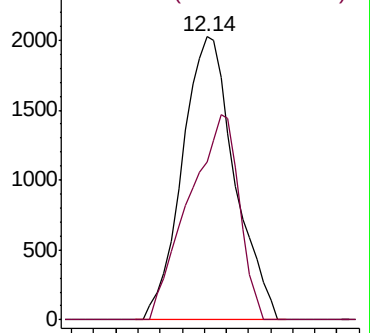
117 100

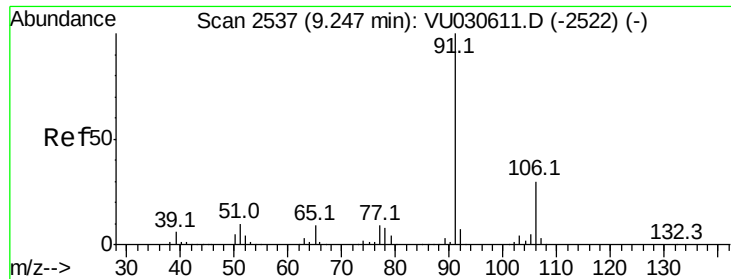
201 69.5 60.5 90.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63

Ethyl Benzene

Concen: 0.416 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 18490

Ion Ratio Lower Upper

91 100

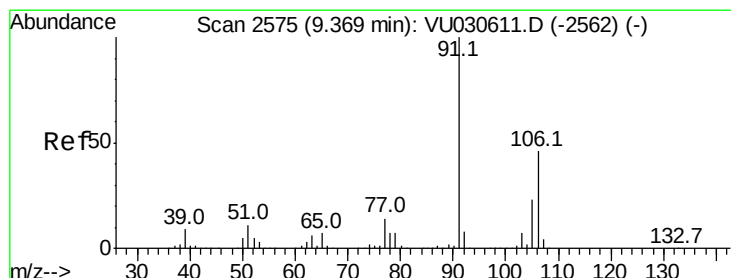
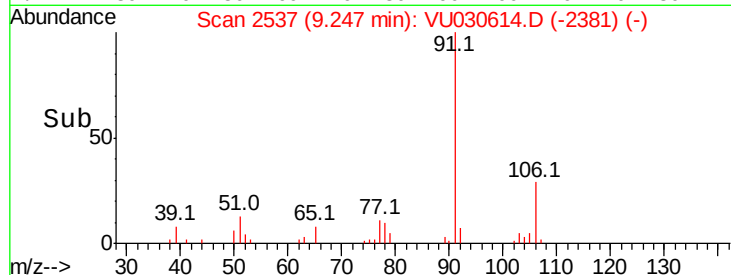
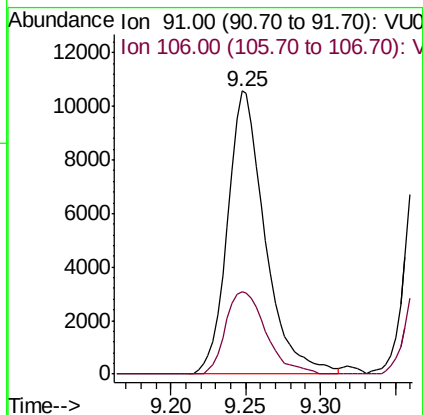
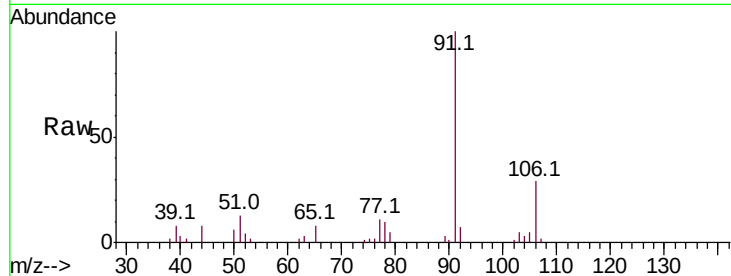
106 29.0 23.7 35.5

Manual Integrations

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#64

m/p-Xylenes

Concen: 0.718 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030614.D

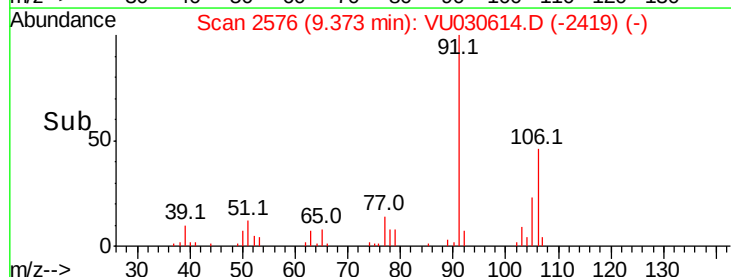
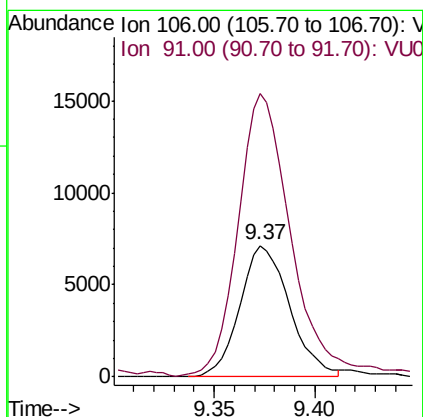
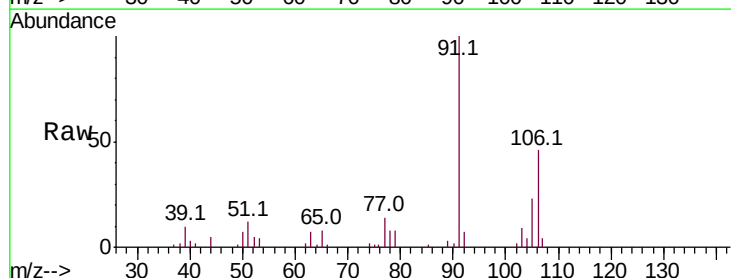
Acq: 02 Apr 2019 22:08

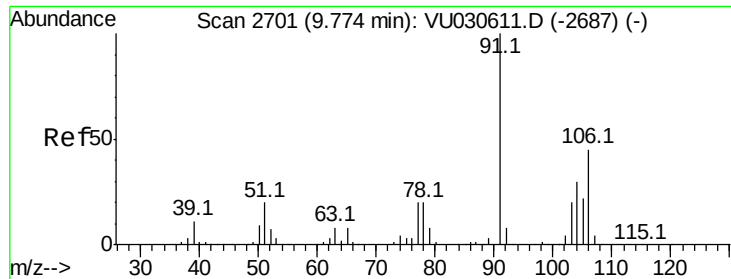
Tgt Ion: 106 Resp: 12342

Ion Ratio Lower Upper

106 100

91 230.5 173.8 260.8





#65

o-Xylene

Concen: 0.386 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:106 Resp: 6494

Ion Ratio Lower Upper

106 100

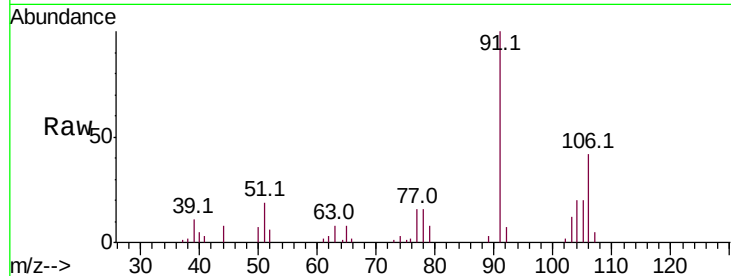
91 233.2 111.8 335.3

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

10000

8000

6000

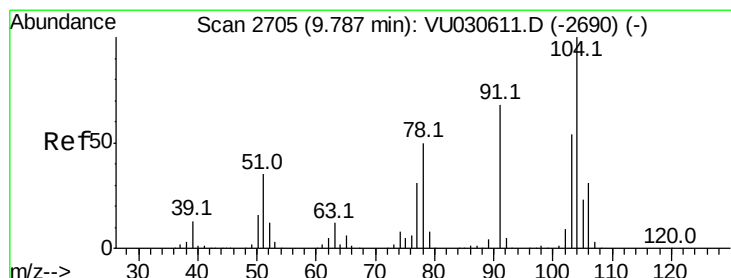
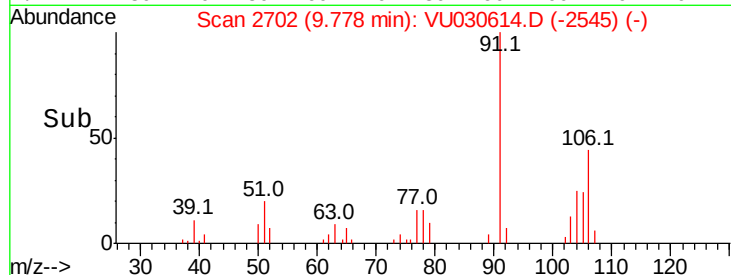
4000

2000

0

9.75 9.80 9.85

Time-->



#66

Styrene

Concen: 0.399 ug/l

RT: 9.80 min Scan# 2708

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

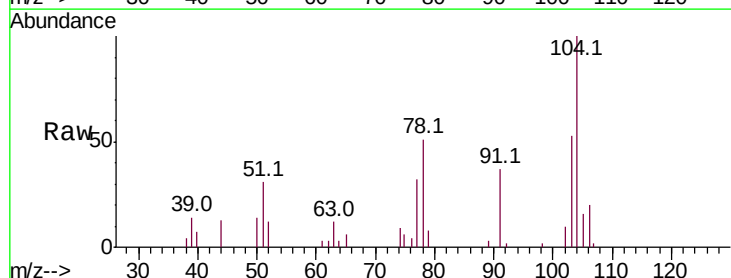
Tgt Ion:104 Resp: 11099

Ion Ratio Lower Upper

104 100

78 54.4 43.0 64.6

103 52.7 45.6 68.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V

6000

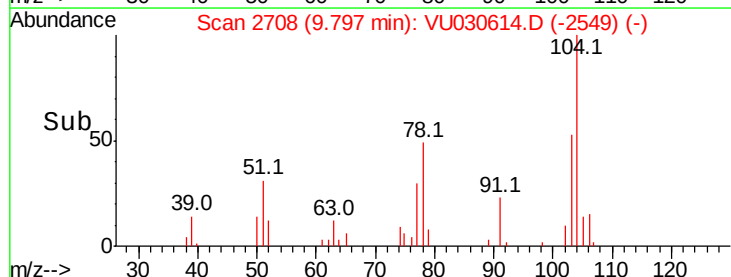
4000

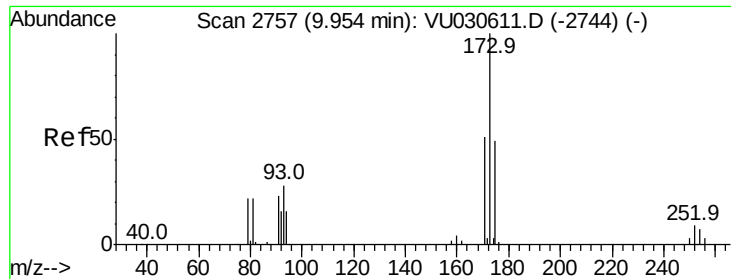
2000

0

9.75 9.80 9.85 9.90

Time-->





#67

Bromoform

Concen: 0.510 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

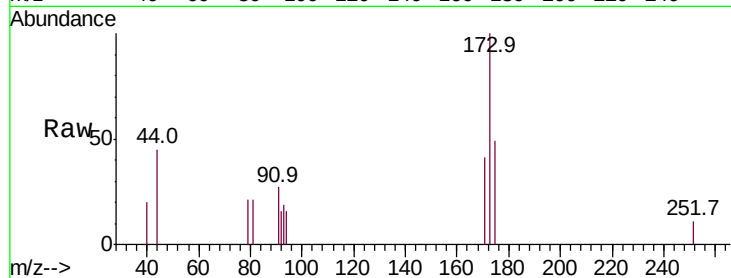
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.3	39.2	58.8
254	0.0	6.4	9.6#

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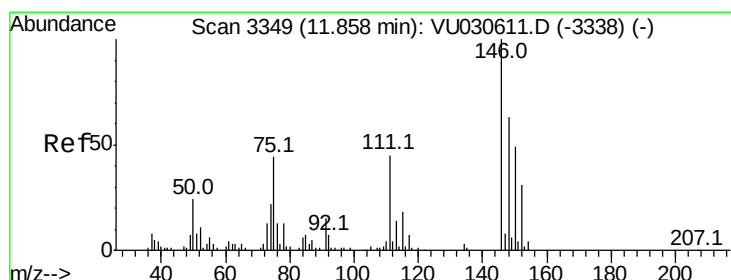
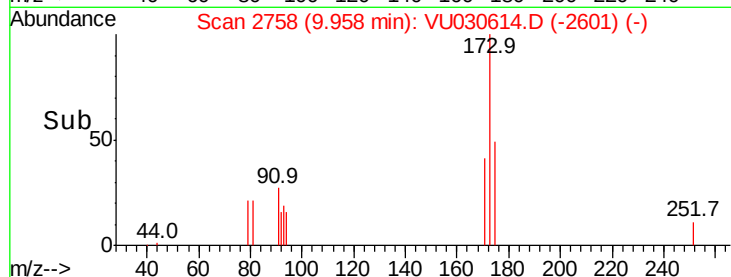
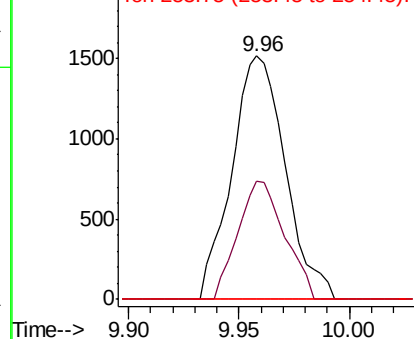


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 0.510 ug/l

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

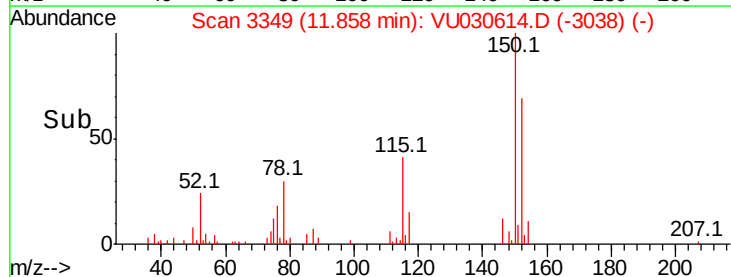
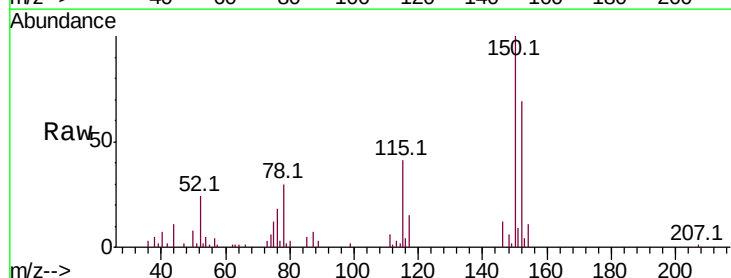
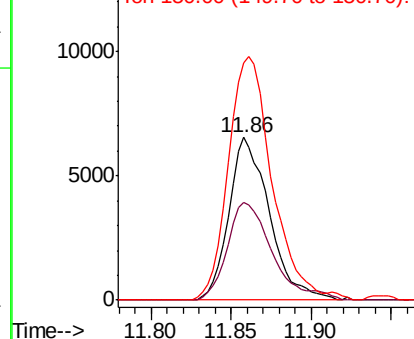
Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.8	0.0	122.4
150	162.0	0.0	595.2

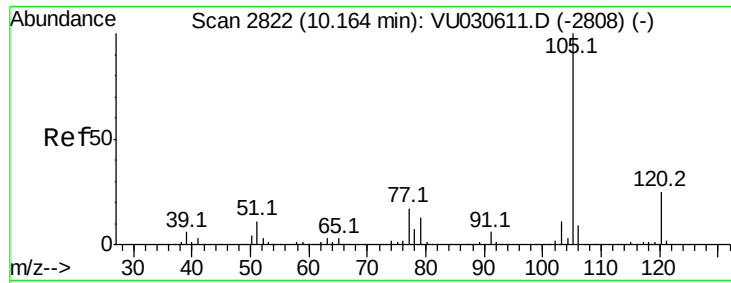
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 0.393 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 17348

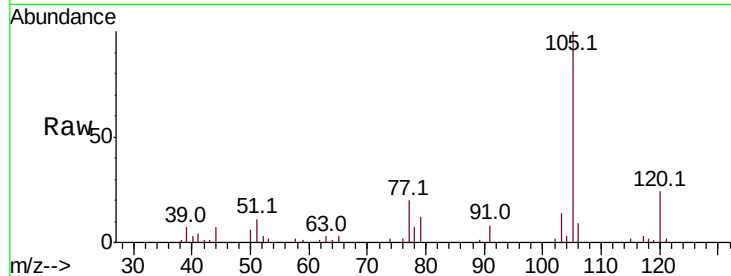
Ion Ratio Lower Upper

105 100

120 23.4 12.5 37.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

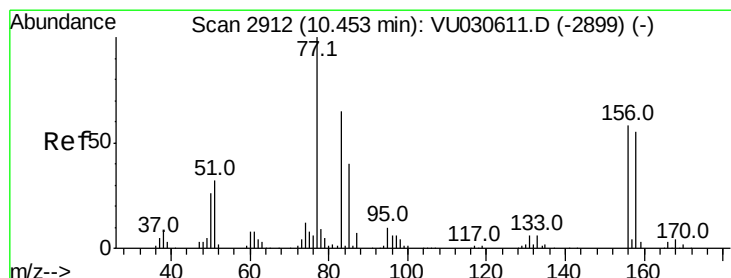
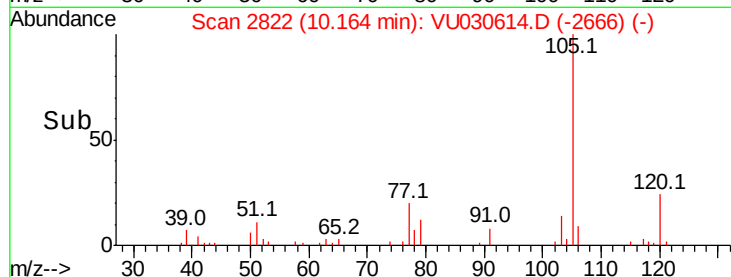
0

Time-->

10.10

10.15

10.20



#70

1,1,2,2-Tetrachloroethane

Concen: 0.573 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

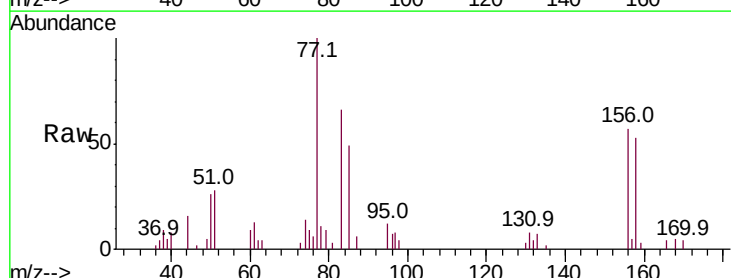
Tgt Ion: 83 Resp: 5325

Ion Ratio Lower Upper

83 100

131 9.9 7.5 11.3

85 73.6 50.0 75.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

4000

3000

2000

1000

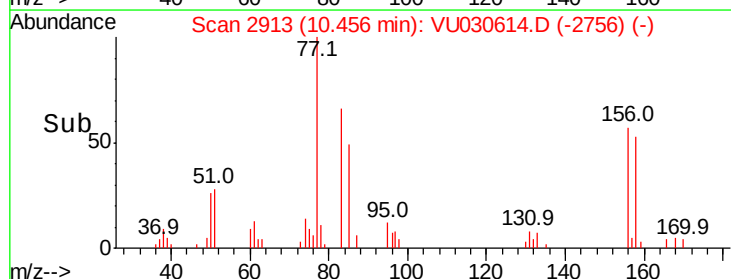
0

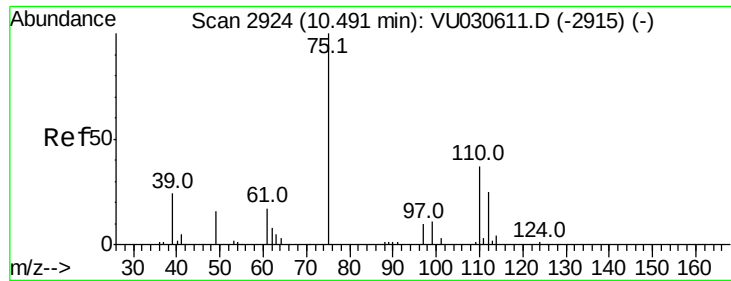
Time-->

10.40

10.45

10.50





#71

1,2,3-Trichloropropane

Concen: 0.573 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 4009

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

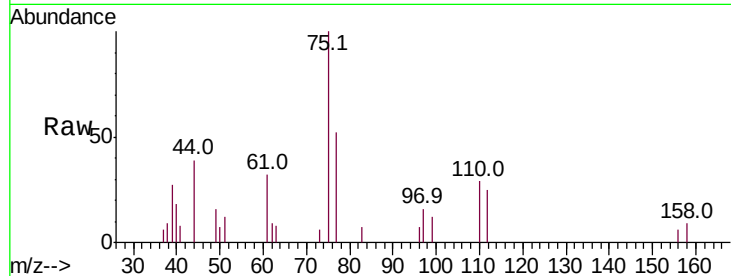
110 29.9 0.0 67.8

97 19.3 0.0 35.2

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4/3/2019 11:43:46 AM

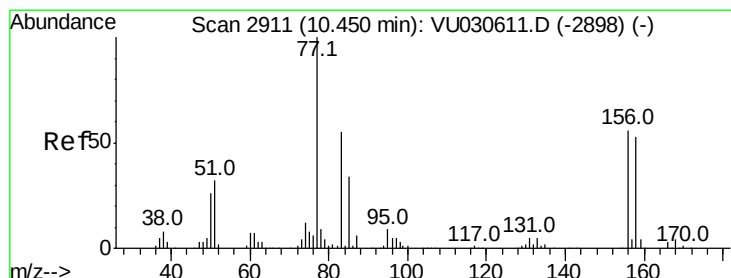
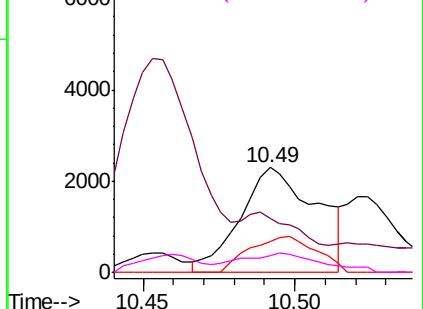
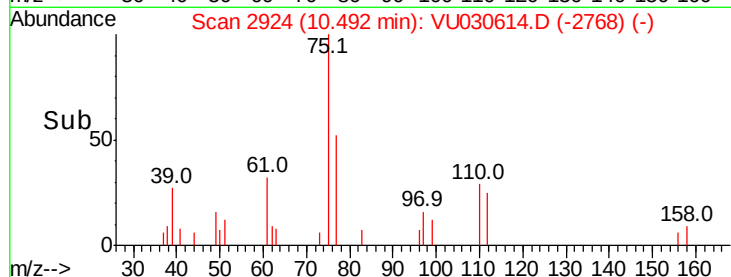


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 0.414 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

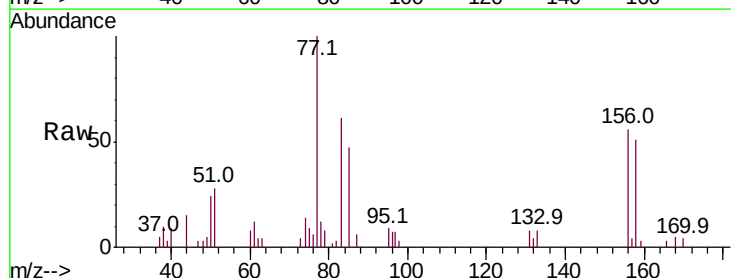
Tgt Ion: 156 Resp: 4723

Ion Ratio Lower Upper

156 100

77 173.6 0.0 362.2

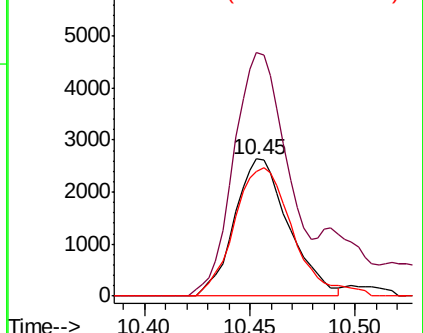
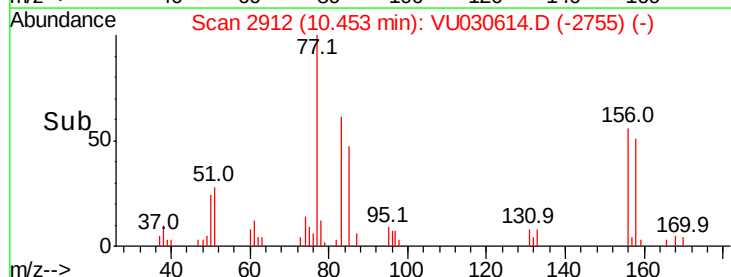
158 100.7 0.0 192.4

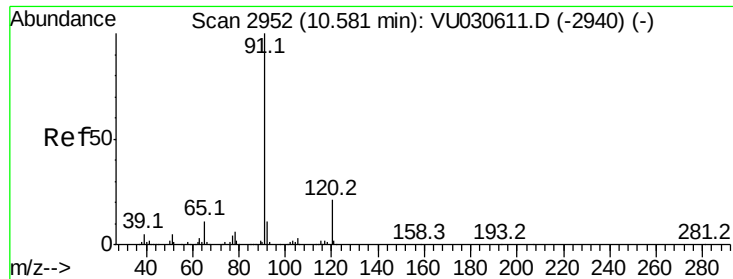


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 0.372 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:120 Resp: 4610

Ion Ratio Lower Upper

120 100

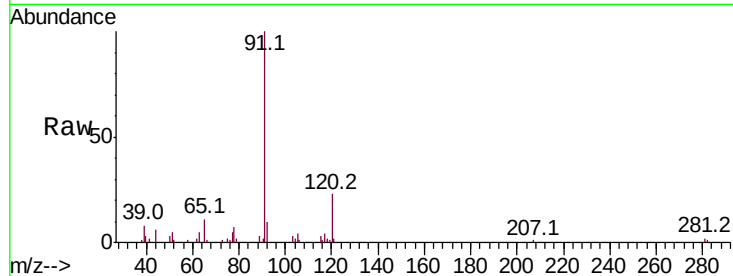
91 477.7 373.0 559.4

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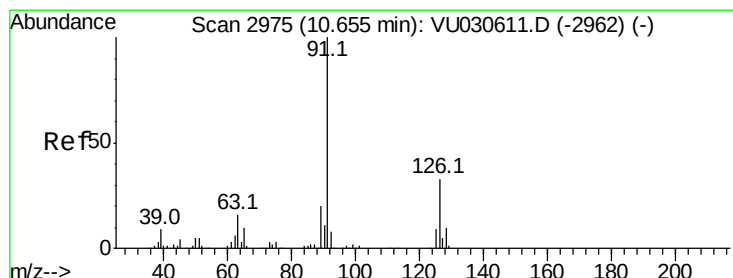
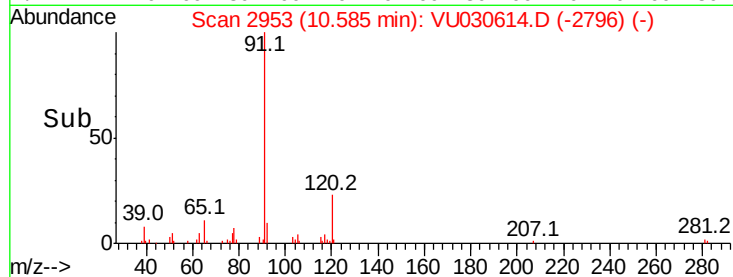
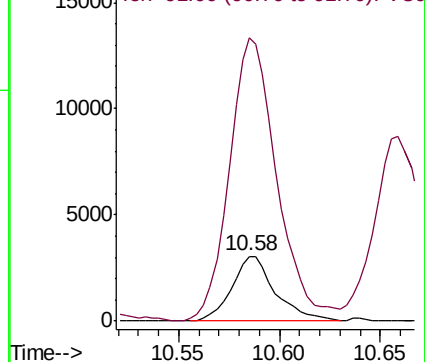
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 0.402 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030614.D

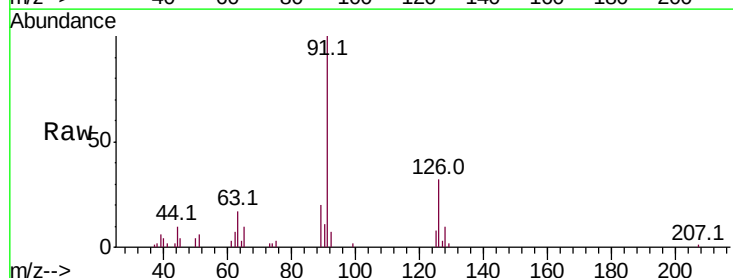
Acq: 02 Apr 2019 22:08

Tgt Ion:126 Resp: 4371

Ion Ratio Lower Upper

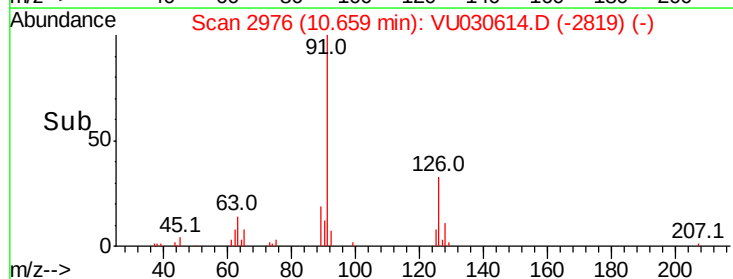
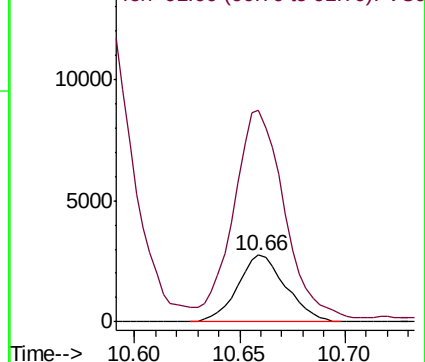
126 100

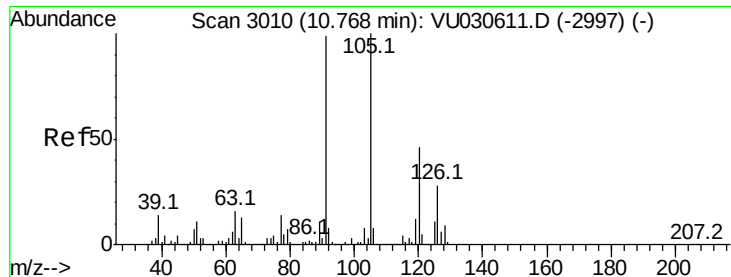
91 324.6 0.0 643.6



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: 0.363 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampled :

VSTDIC0.5

Tot Ion:105 Resp: 13647

Ion Ratio Lower Upper

105 100

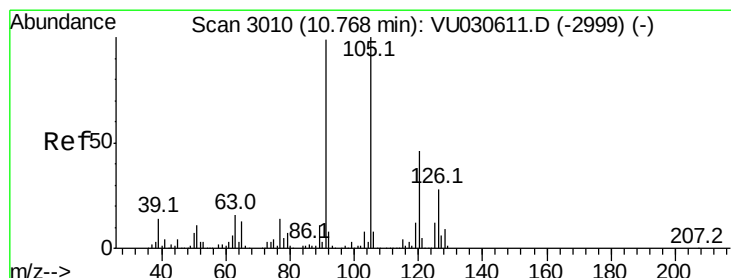
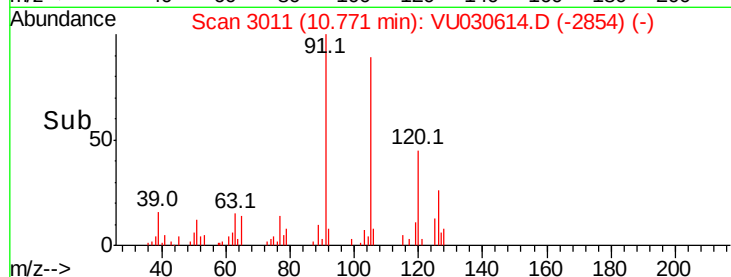
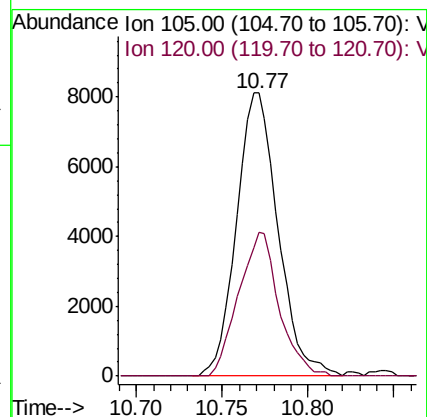
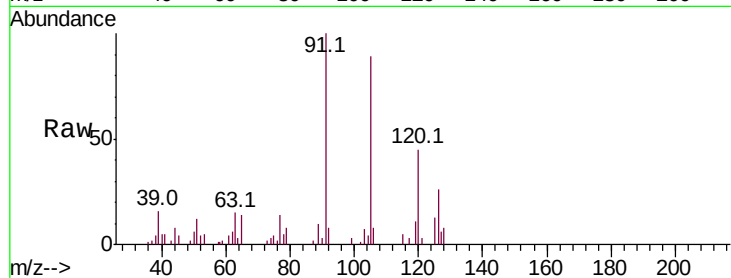
120 49.3 37.2 55.8

Manual Integrations

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#76

4-Chlorotoluene

Concen: 0.386 ug/l

RT: 10.77 min Scan# 3012

Delta R.T. 0.01 min

Lab File: VU030614.D

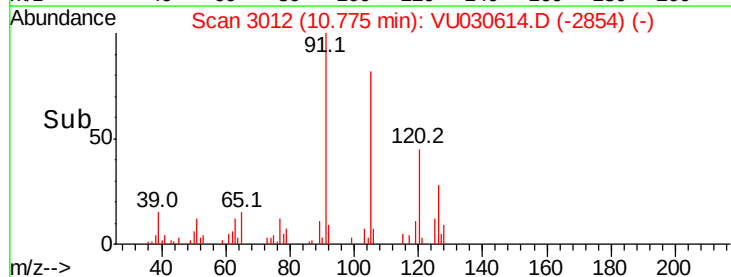
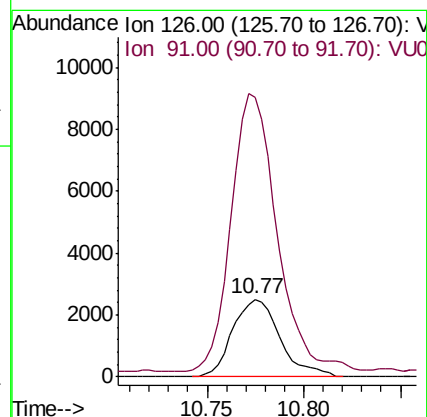
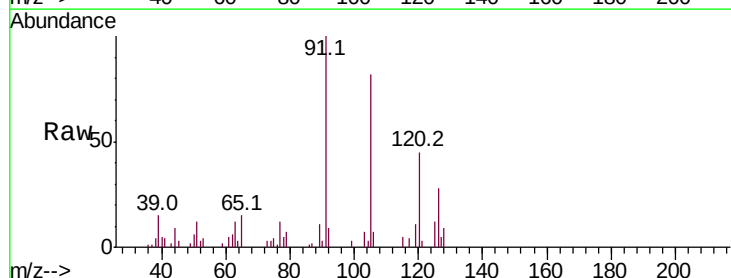
Acq: 02 Apr 2019 22:08

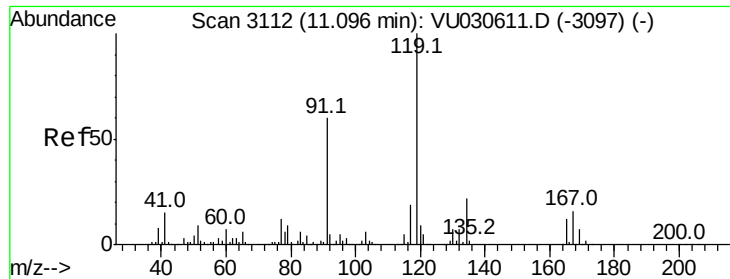
Tgt Ion:126 Resp: 4279

Ion Ratio Lower Upper

126 100

91 346.1 0.0 724.8





#77

tert-Butylbenzene

Concen: 0.412 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:119 Resp: 15084

Ion Ratio Lower Upper

119 100

91 58.4 30.7 92.1

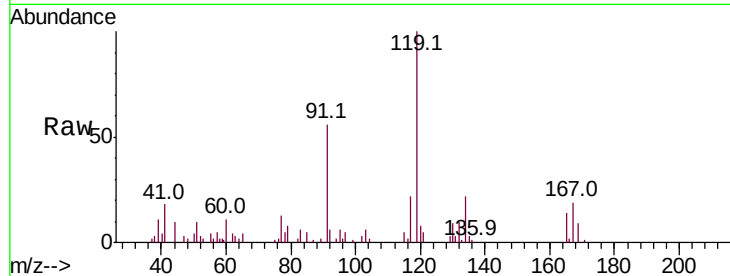
134 21.7 17.5 26.3

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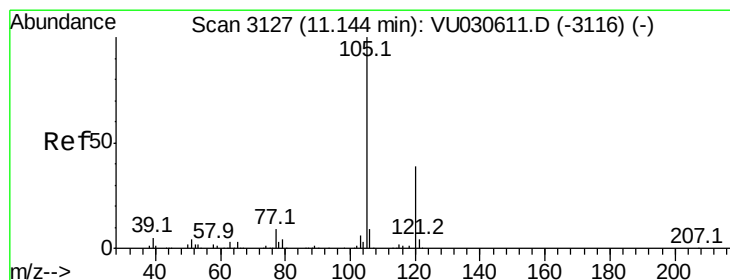
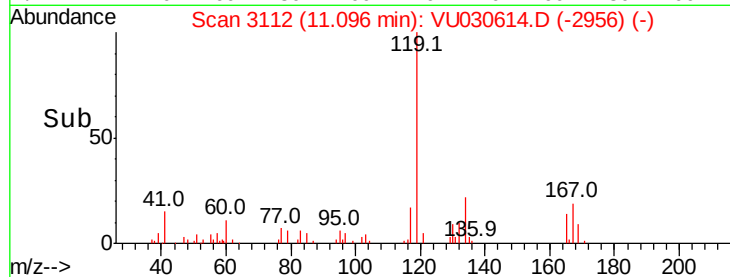
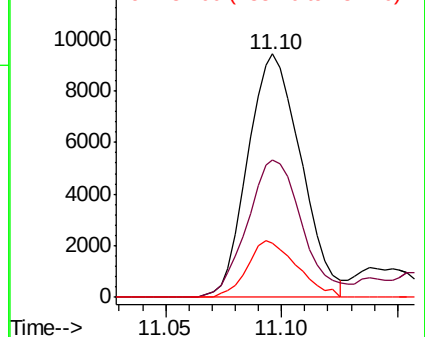


Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 0.380 ug/l

RT: 11.15 min Scan# 3128

Delta R.T. 0.00 min

Lab File: VU030614.D

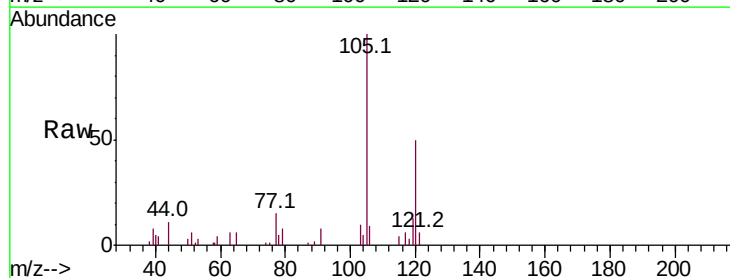
Acq: 02 Apr 2019 22:08

Tgt Ion:105 Resp: 14534

Ion Ratio Lower Upper

105 100

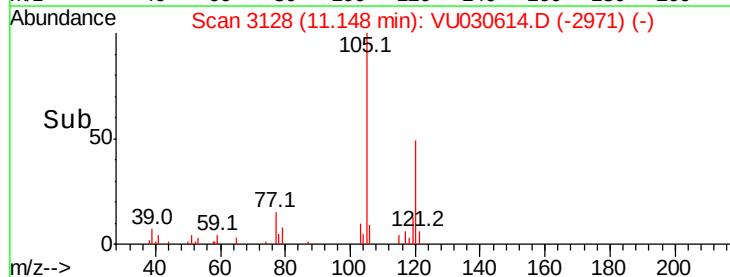
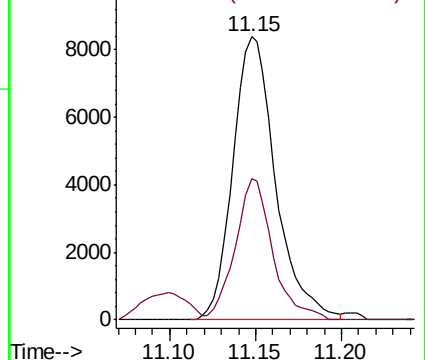
120 44.0 21.9 65.5

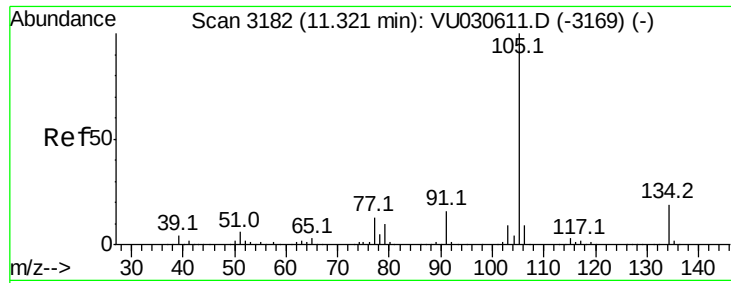


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





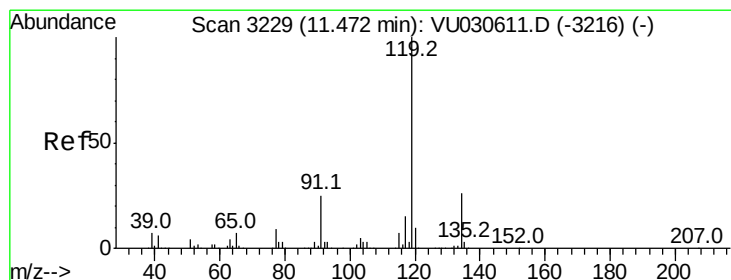
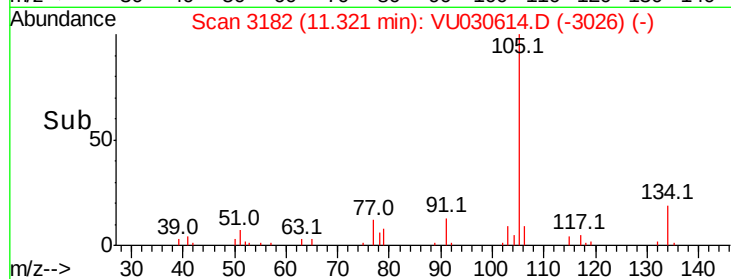
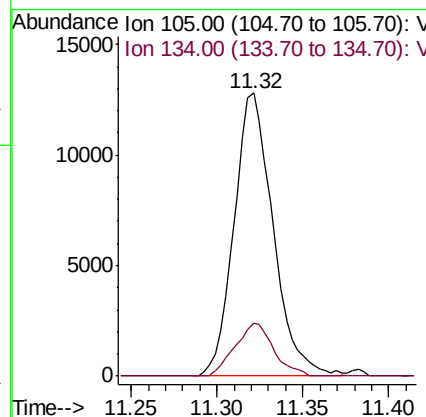
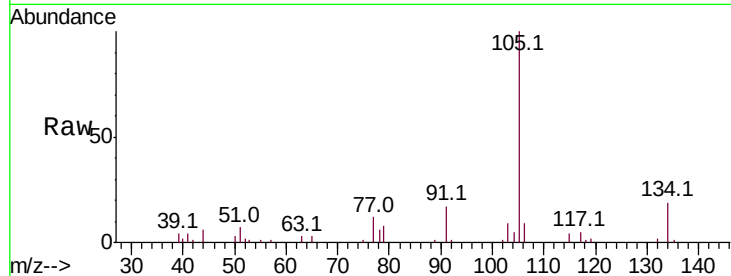
#79
 sec-Butylbenzene
 Concen: 0.412 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.4	15.0	22.6

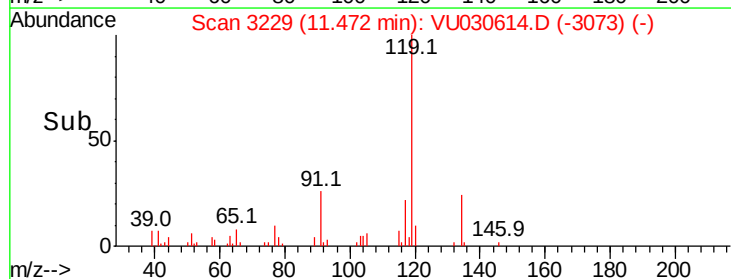
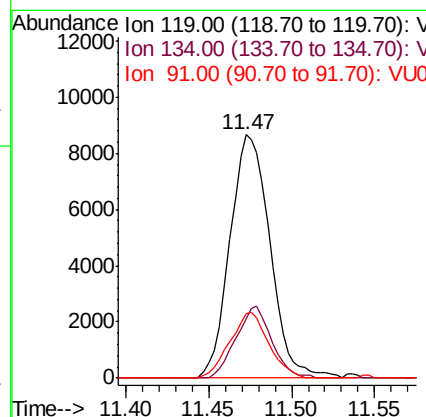
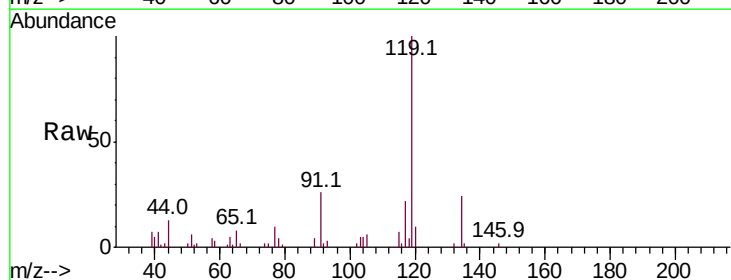
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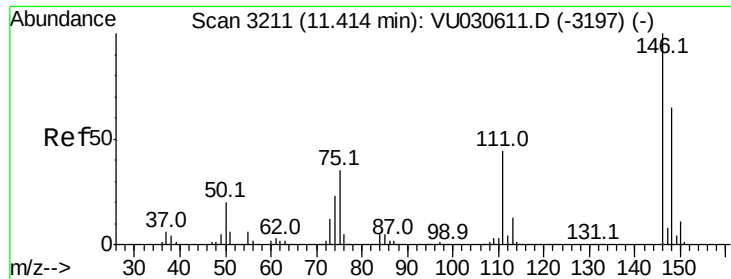
MMDadoda
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#81
 p-Isopropyltoluene
 Concen: 0.356 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.3	30.5
91	26.3	20.2	30.4





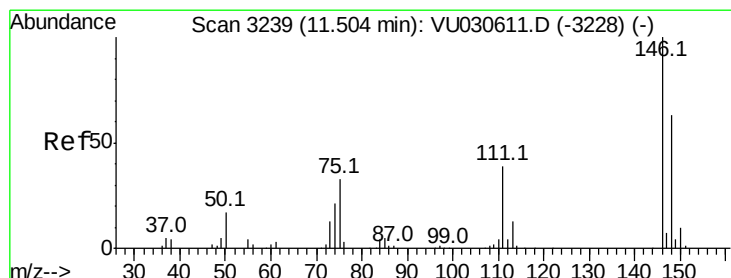
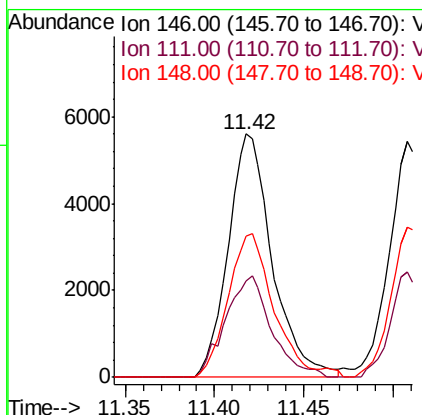
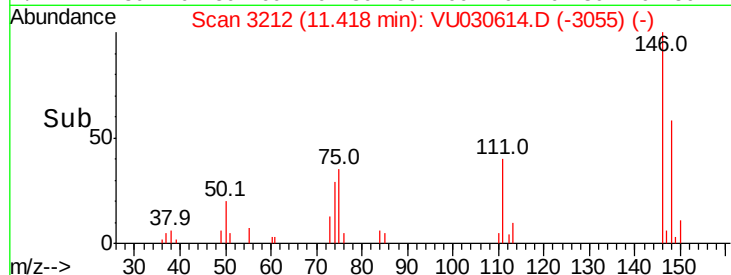
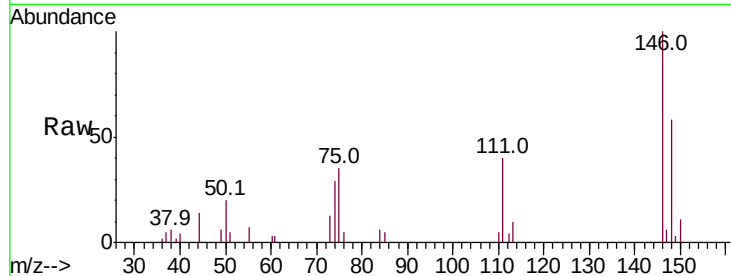
#82
 1,3-Dichlorobenzene
 Concen: 0.420 ug/l
 RT: 11.42 min Scan# 3212
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	34.6	51.8
148	60.1	51.3	76.9

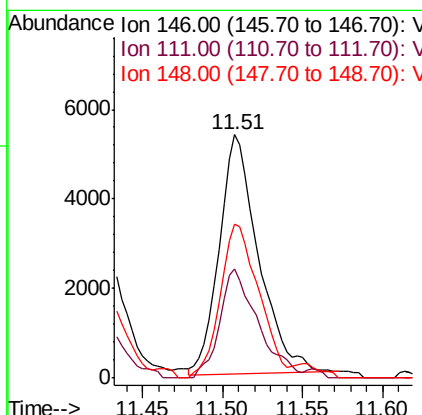
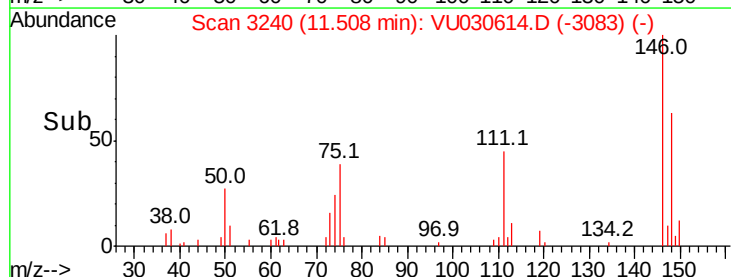
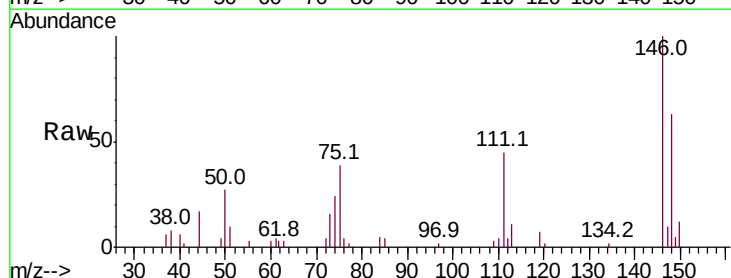
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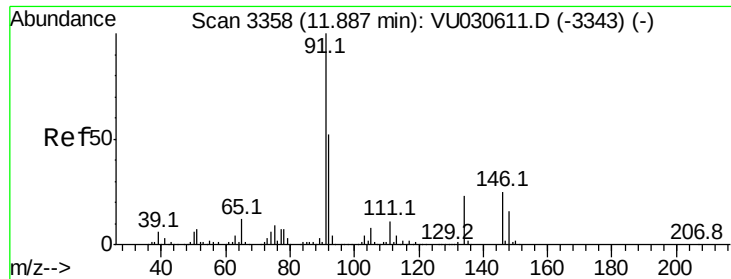
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#83
 1,4-Dichlorobenzene
 Concen: 0.389 ug/l
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	32.2	48.2
148	63.8	51.0	76.6





#84

n-Butylbenzene

Concen: 0.380 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

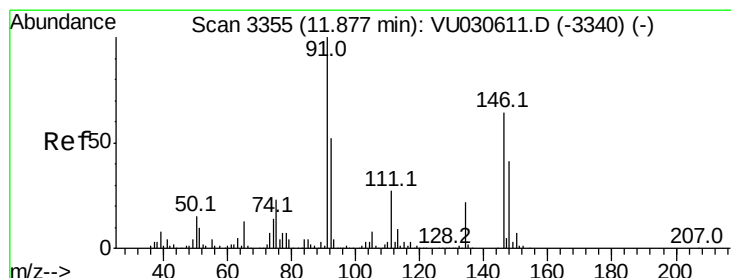
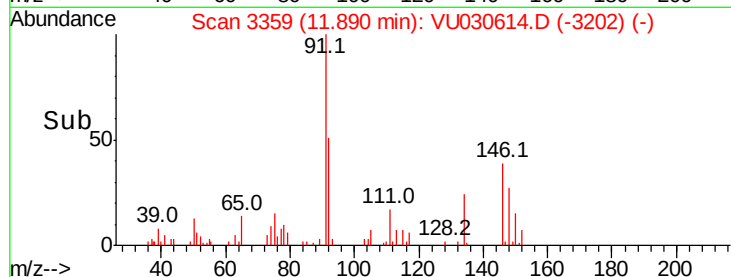
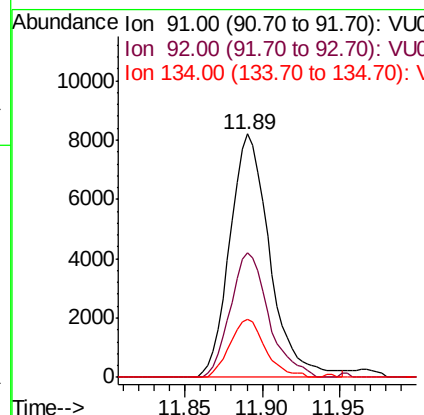
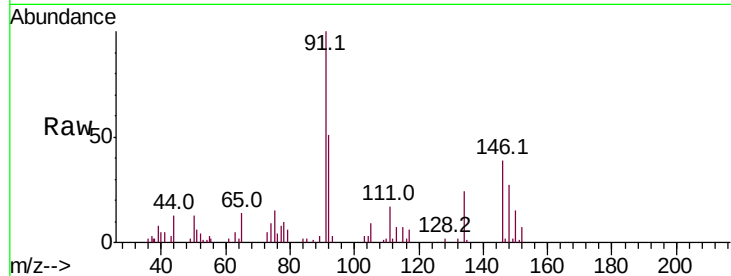
ClientSampled :

VSTDIC0.5

Tot Ion:	91	Resp:	14738
Ion	Ratio	Lower	Upper
91	100		
92	48.7	41.3	61.9
134	21.2	18.2	27.4

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#85

1,2-Dichlorobenzene

Concen: 0.434 ug/l

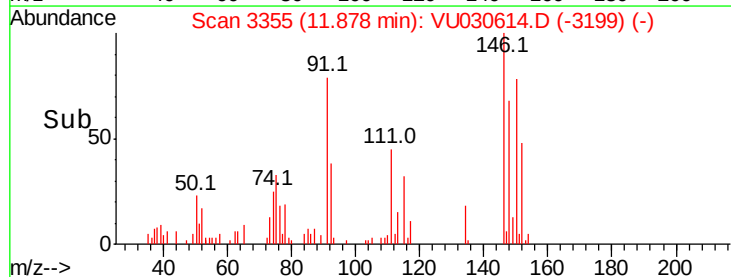
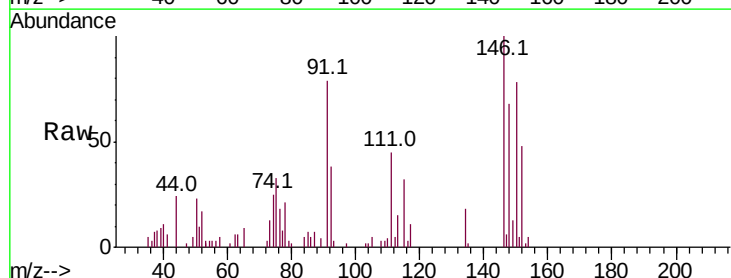
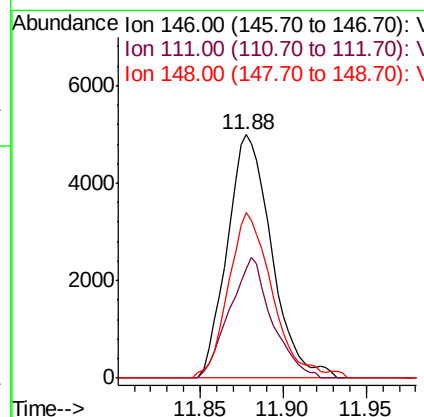
RT: 11.88 min Scan# 3355

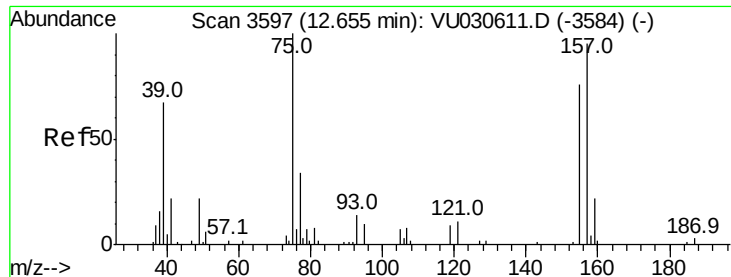
Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion:	146	Resp:	9292
Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.8	65.3
148	66.8	31.7	95.1





#86

1,2-Dibromo-3-Chloropropane

Concen: 0.413 ug/l

RT: 12.66 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 75 Resp: 559

Ion Ratio Lower Upper

75 100

155 81.0 61.3 91.9

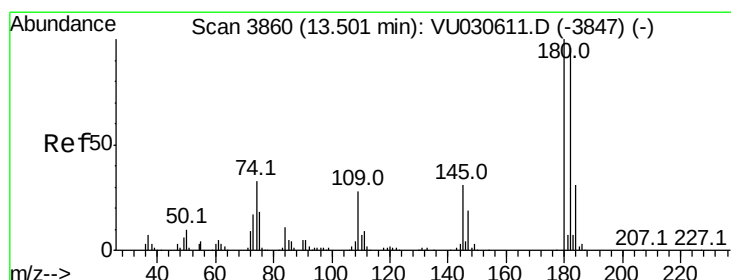
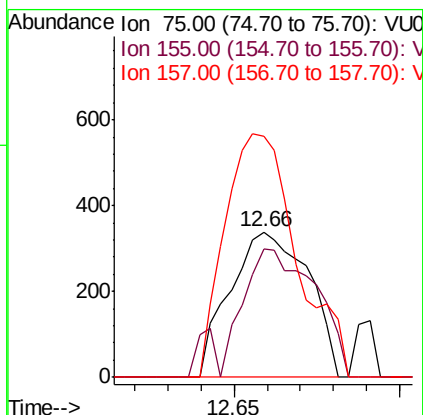
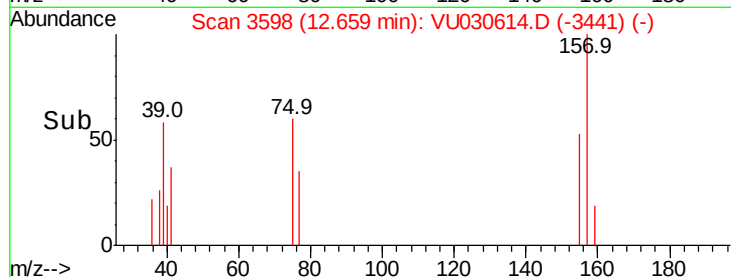
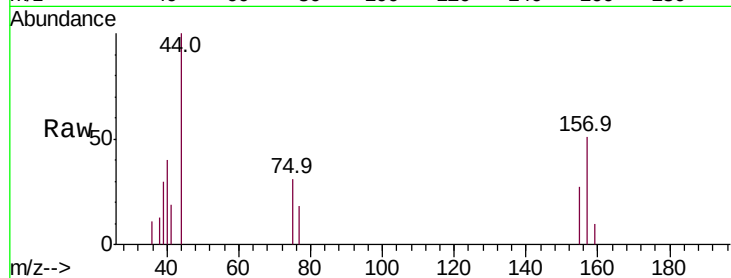
157 152.8 77.4 116.0#

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4/3/2019 11:43:46 AM



#87

1,2,4-Trichlorobenzene

Concen: 0.343 ug/l

RT: 13.51 min Scan# 3863

Delta R.T. 0.01 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

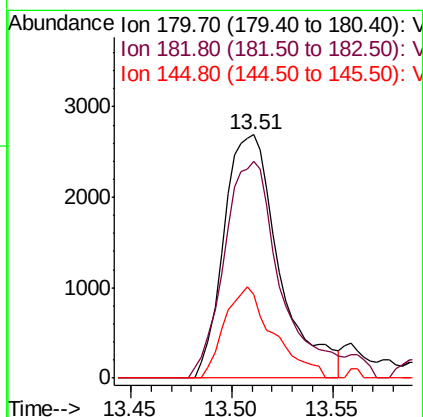
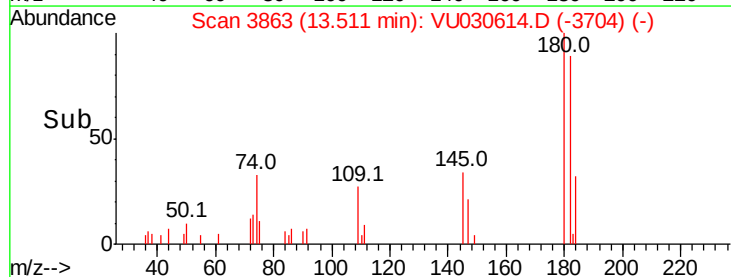
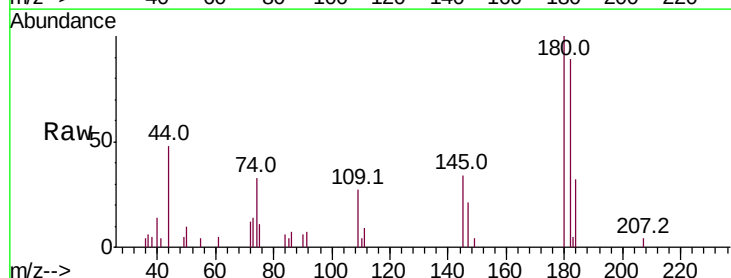
Tgt Ion:180 Resp: 5175

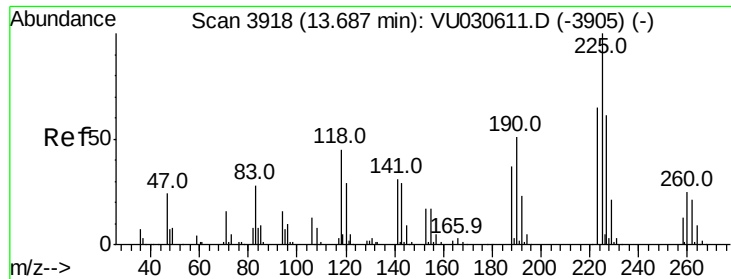
Ion Ratio Lower Upper

180 100

182 90.2 78.2 117.4

145 32.8 24.4 36.6





#88

Hexachlorobutadiene

Concen: 0.387 ug/l

RT: 13.69 min Scan# 3919

Delta R.T. 0.00 min

Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Instrument :

MSVOA_U

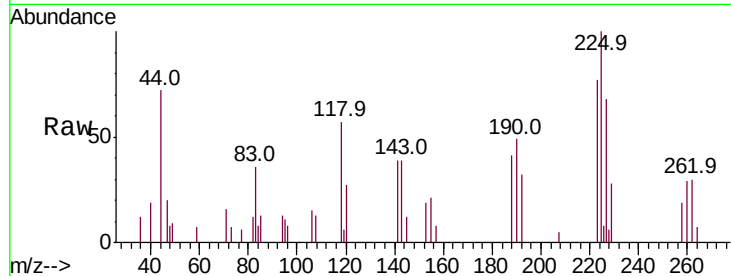
ClientSampleId :

VSTDIC0.5

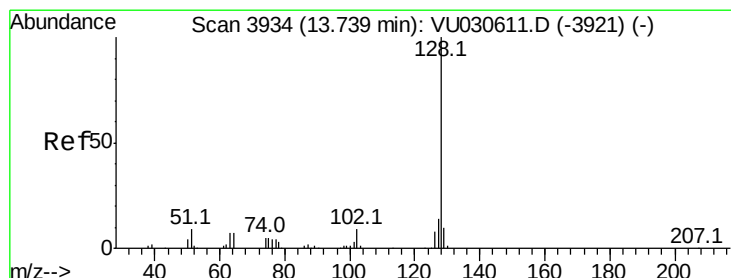
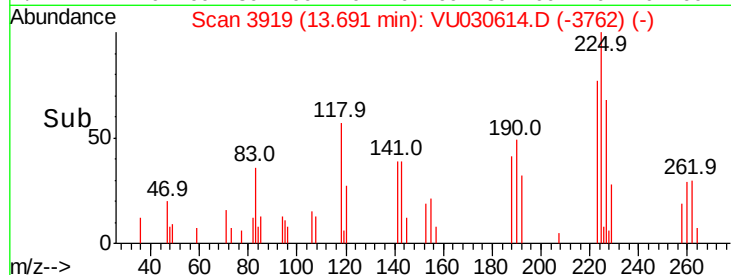
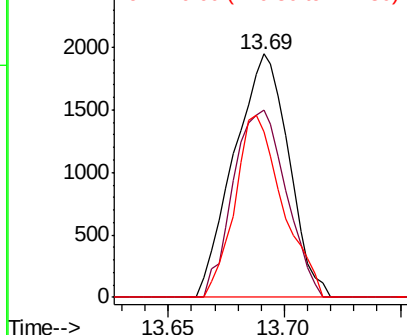
Tot Ion:	225	Resp:	3194
Ion Ratio	Lower	Upper	
225	100		
223	74.5	52.6	78.8
227	65.1	50.5	75.7

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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: 0.323 ug/l

RT: 13.75 min Scan# 3938

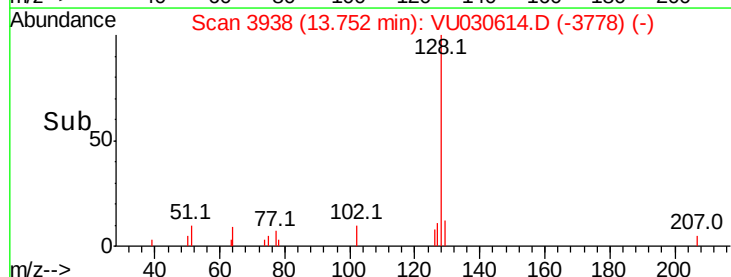
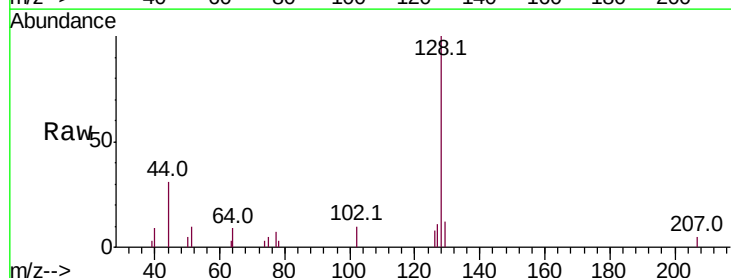
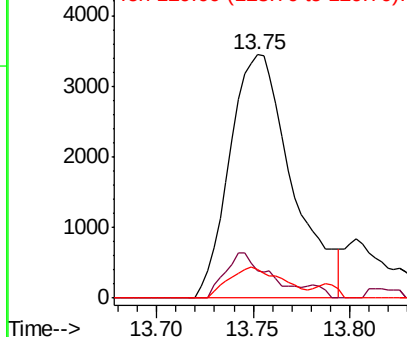
Delta R.T. 0.01 min

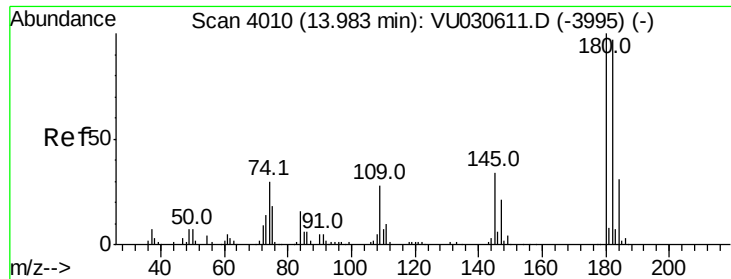
Lab File: VU030614.D

Acq: 02 Apr 2019 22:08

Tgt Ion:	128	Resp:	7716
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.7	16.1
129	10.9	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: 0.347 ug/l
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.01 min
 Lab File: VU030614.D
 Acq: 02 Apr 2019 22:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.4	116.0
145	34.8	26.2	39.2

Manual Integrations
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