

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030570.D
 Acq On : 30 Mar 2019 11:42
 Operator : JC/SP
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:13 PM

Quant Time: Mar 31 01:00:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Sun Mar 31 00:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	55452	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	21493	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	20456	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	238925	11.339	ug/l	100
3) Chloromethane	1.33	50	289779	11.987	ug/l	100
4) Vinyl Chloride	1.40	62	263846	12.573	ug/l	100
5) Bromomethane	1.62	94	107572	9.398	ug/l	100
6) Chloroethane	1.70	64	147209	12.246	ug/l	100
7) Trichlorofluoromethane	1.88	101	294126	11.117	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	146525	10.339	ug/l	100
9) 1,1-Dichloroethene	2.28	96	147250	10.475	ug/l	100
10) Iodomethane	2.41	142	144621	11.967	ug/l	100
11) Allyl Chloride	2.59	41	322020	14.777	ug/l	100
12) Acrylonitrile	2.94	53	80776	25.253	ug/l	100
13) Acetone	2.32	43	182080	64.366	ug/l	100
14) Carbon Disulfide	2.47	76	537900	10.876	ug/l	100
15) Methylene Chloride	2.69	84	175035	10.378	ug/l	100
16) trans-1,2-Dichloroethene	2.97	96	163763	10.133	ug/l	100
17) 1,1-Dichloroethane	3.44	63	341551	12.053	ug/l	100
18) 2-Butanone	4.27	43	271757	69.259	ug/l	100
19) Cyclohexane	4.98	56	305791m	12.542	ug/l	
20) Methylcyclohexane	6.41	83	273503	10.623	ug/l	100
21) 2,2-Dichloropropane	4.22	77	263190	11.192	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	181320	10.121	ug/l	100
23) Diethyl Ether	2.10	59	140758	12.798	ug/l	100
24) tert-Butyl Alcohol	2.84	59	143567	122.306	ug/l	100
25) Methyl tert-Butyl Ether	3.00	73	433851	11.869	ug/l	100
26) Bromochloromethane	4.54	128	70040	9.090	ug/l	100
27) Chloroform	4.67	83	325573	11.072	ug/l	100
28) 1,1,1-Trichloroethane	4.91	97	269440	11.226	ug/l	100
29) 1,1-Dichloropropene	5.13	75	242354	11.110	ug/l	100
30) Carbon Tetrachloride	5.13	117	228430	10.736	ug/l	100
31) Isopropyl Ether	3.58	45	575982	13.898	ug/l	100
32) Ethyl-t-butyl ether	4.07	59	469141	12.227	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	393672	11.419	ug/l	100
34) Propionitrile	4.33	54	74861	68.812	ug/l	100
35) Benzene	5.38	78	717821	11.210	ug/l	100
36) 1,2-Dichloroethane	5.40	62	214302	12.177	ug/l	100
37) Trichloroethene	6.18	130	169025	9.466	ug/l	100
38) 1,2-Dichloropropane	6.43	63	197362	11.924	ug/l	100
39) Methacrylonitrile	4.55	41	69155	14.294	ug/l	100
40) Methyl acrylate	4.42	55	95897	13.025	ug/l	100
41) Tetrahydrofuran	4.65	42	68345	25.997	ug/l	100
42) 1-Chlorobutane	5.06	56	375258	12.716	ug/l	100

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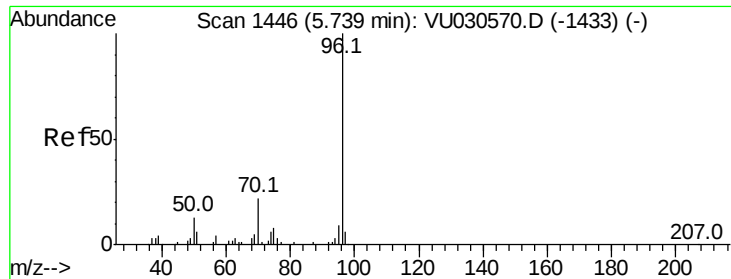
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	90805	10.821	ug/l	100
44) Bromodichloromethane	6.75	83	234728	11.584	ug/l	100
45) 4-Methyl-2-Pentanone	7.46	43	633376	71.633	ug/l	100
46) t-1,4-Dichloro-2-butene	10.51	75	88279m	27.237	ug/l	
47) Methyl methacrylate	6.62	69	172059	24.210	ug/l	100
48) Ethyl methacrylate	8.02	69	165583	12.414	ug/l	100
49) Toluene	7.63	92	413099	10.859	ug/l	100
50) t-1,3-Dichloropropene	7.88	75	216216	11.977	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	256878	11.411	ug/l	100
52) 1,1,2-Trichloroethane	8.06	97	121973	10.395	ug/l	100
53) 1,3-Dichloropropane	8.24	76	225328	11.289	ug/l	100
54) 2-Hexanone	8.36	43	433611	68.765	ug/l	100
55) Dibromochloromethane	8.47	129	141878	10.157	ug/l	100
56) 1,2-Dibromoethane	8.58	107	112801	10.087	ug/l	100
58) Tetrachloroethene	8.22	164	153840	9.503	ug/l	100
59) Chlorobenzene	9.12	112	441727	10.248	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	148843	9.842	ug/l	100
61) Pentachloroethane	11.10	117	120609	10.245	ug/l	100
62) Hexachloroethane	12.14	117	106402	9.239	ug/l	100
63) Ethyl Benzene	9.25	91	808952	11.262	ug/l	100
64) m/p-Xylenes	9.37	106	589660	21.245	ug/l	100
65) o-Xylene	9.77	106	282515	10.388	ug/l	100
66) Styrene	9.79	104	500798	11.144	ug/l	100
67) Bromoform	9.95	173	79729	10.072	ug/l	100
69) Isopropylbenzene	10.16	105	777179	10.856	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	165356	11.248	ug/l	100
71) 1,2,3-Trichloropropane	10.49	75	95074	8.915	ug/l #	100
72) Bromobenzene	10.45	156	175487	9.553	ug/l	100
73) n-propylbenzene	10.58	120	209343	10.438	ug/l	100
74) 2-Chlorotoluene	10.66	126	182097	10.325	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	660815	10.877	ug/l	100
76) 4-Chlorotoluene	10.77	126	185962	10.366	ug/l	100
77) tert-Butylbenzene	11.10	119	615493	10.410	ug/l	100
78) 1,2,4-Trimethylbenzene	11.14	105	665203	10.799	ug/l	100
79) sec-Butylbenzene	11.32	105	840697	10.597	ug/l	100
80) Nitrobenzene	12.86	77	13853m	54.751	ug/l	
81) p-Isopropyltoluene	11.47	119	664674	10.125	ug/l	100
82) 1,3-Dichlorobenzene	11.41	146	346436	9.351	ug/l	100
83) 1,4-Dichlorobenzene	11.50	146	347125	9.321	ug/l	100
84) n-Butylbenzene	11.89	91	647324	10.478	ug/l	100
85) 1,2-Dichlorobenzene	11.87	146	324519	9.396	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.65	75	25376	11.987	ug/l	100
87) 1,2,4-Trichlorobenzene	13.50	180	198218	8.195	ug/l	100
88) Hexachlorobutadiene	13.69	225	119271	8.913	ug/l	100
89) Naphthalene	13.74	128	353137	9.306	ug/l	100
90) 1,2,3-Trichlorobenzene	13.98	180	186840	8.475	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

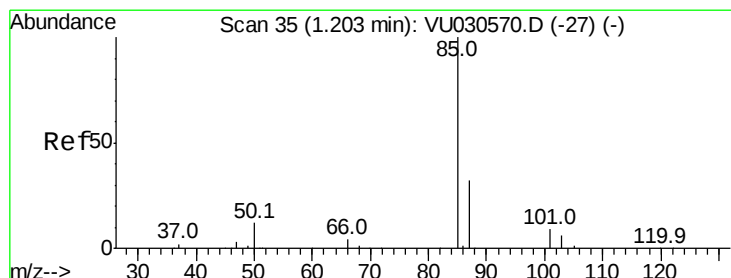
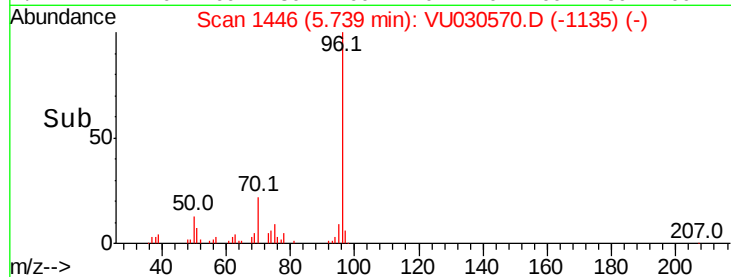
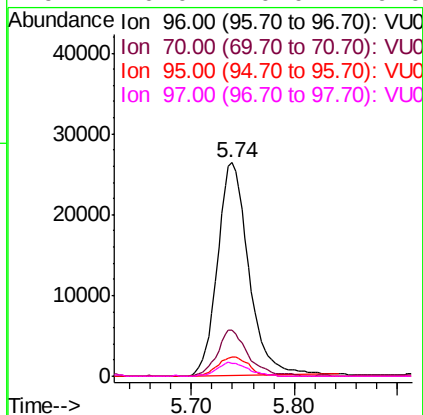
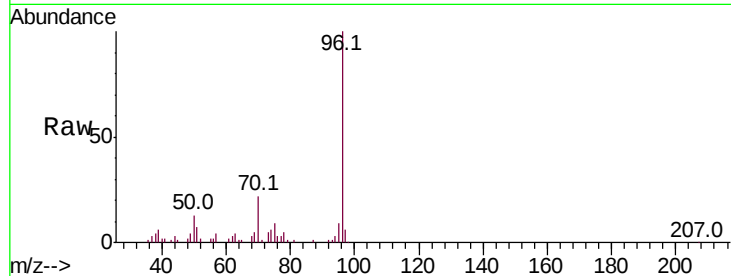
ClientSampleId :

VSTDICCC010

Tot Ion	96	Resp	55452
Ion	Ratio	Lower	Upper
96	100		
70	19.5	15.6	23.4
95	9.1	7.3	10.9
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 11.339 ug/l

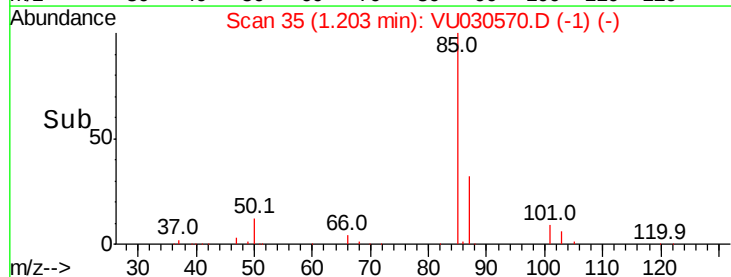
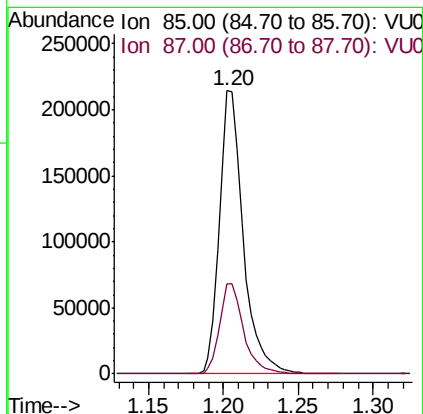
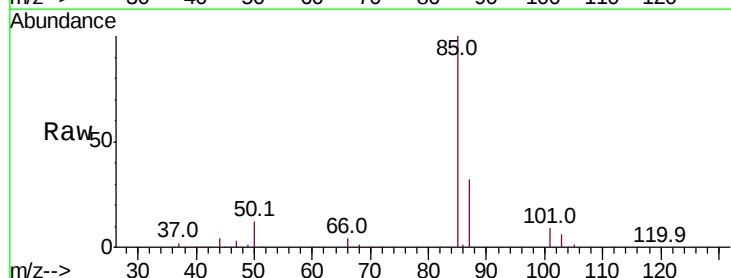
RT: 1.20 min Scan# 35

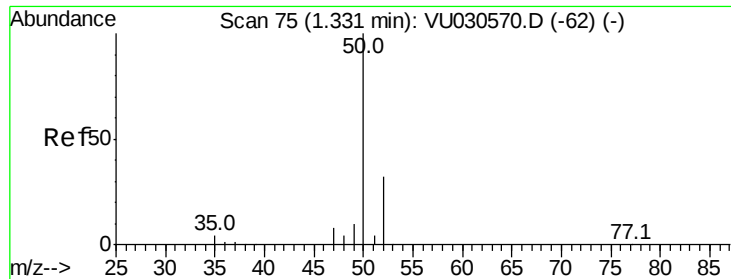
Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion	85	Resp	238925
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.9	47.6





#3

Chloromethane

Concen: 11.987 ug/l

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 50 Resp: 289779

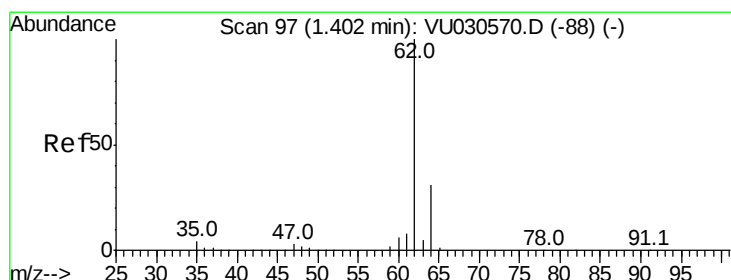
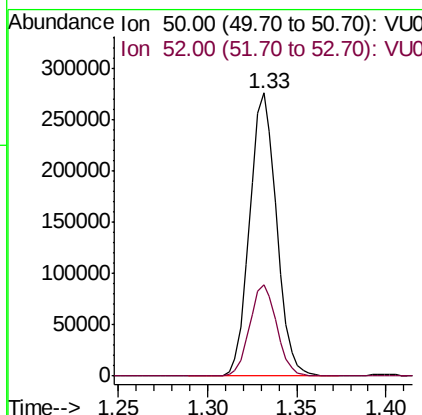
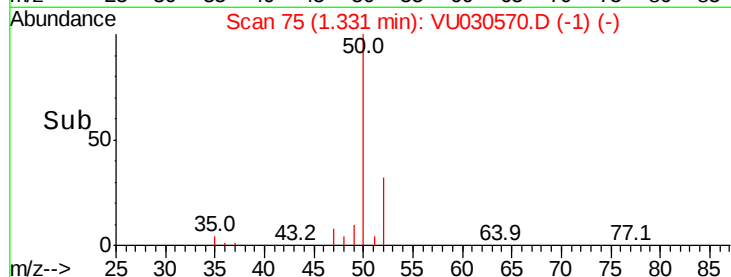
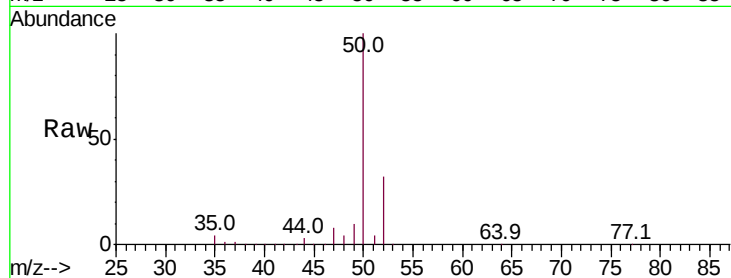
Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.8

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#4

Vinyl Chloride

Concen: 12.573 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU030570.D

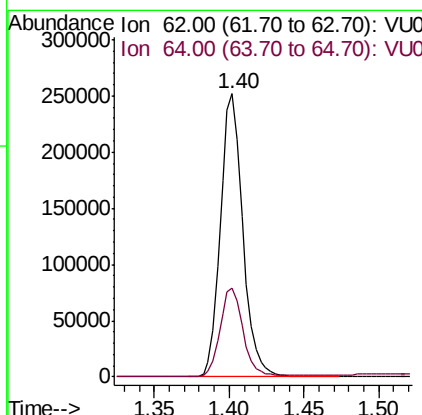
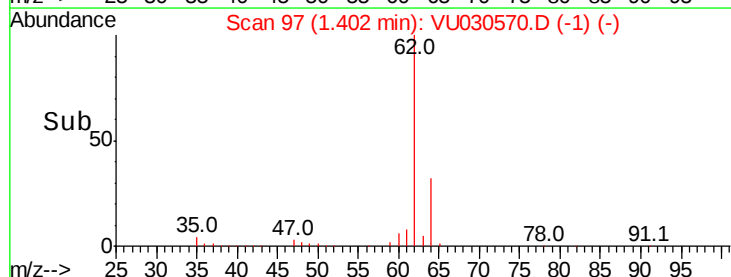
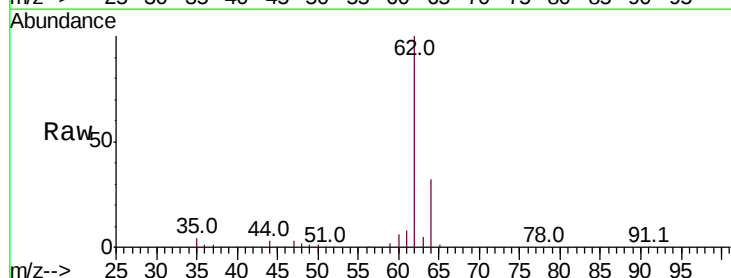
Acq: 30 Mar 2019 11:42

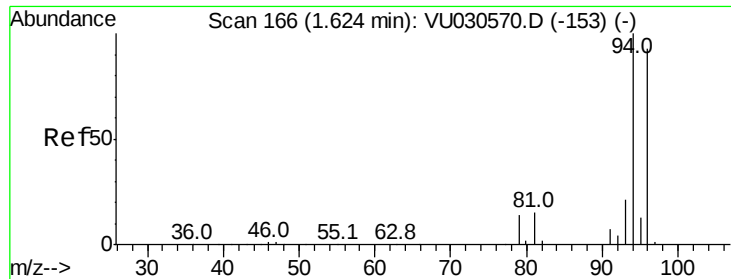
Tgt Ion: 62 Resp: 263846

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7





#5

Bromomethane

Concen: 9.398 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 107572

Ion Ratio Lower Upper

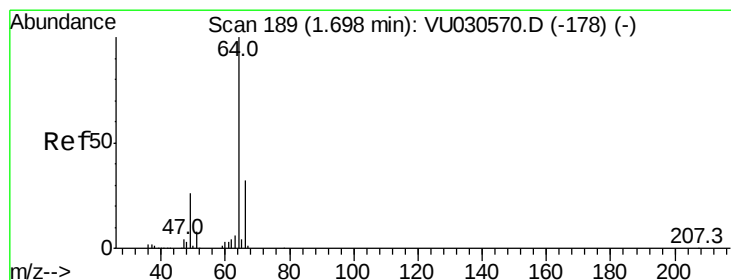
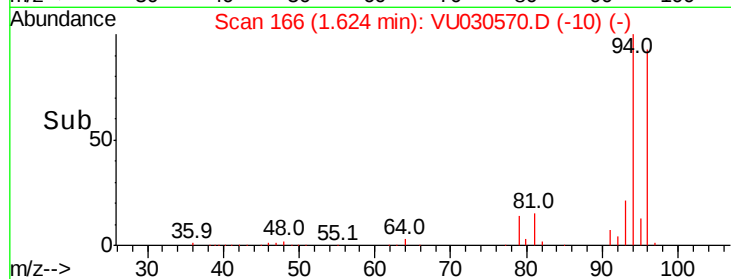
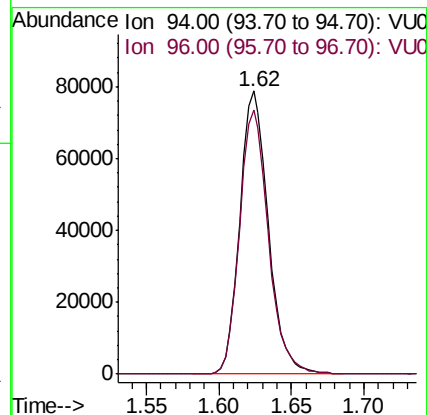
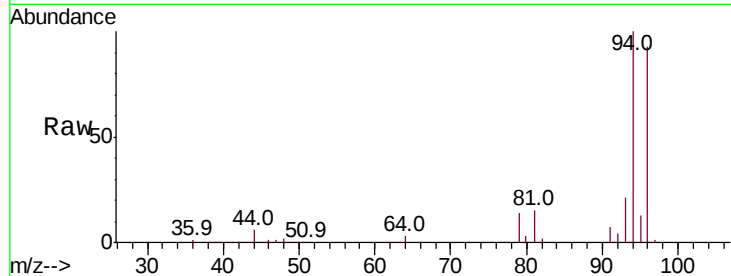
94 100

96 93.5 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 12.246 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030570.D

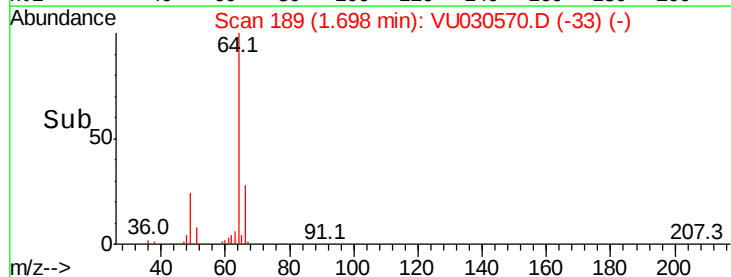
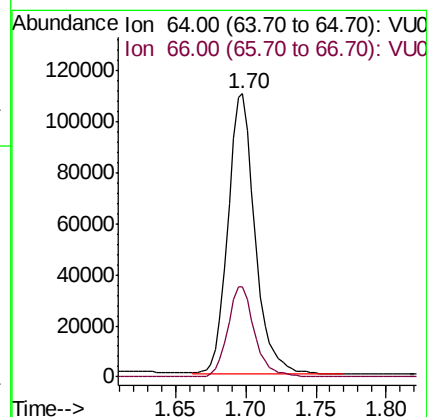
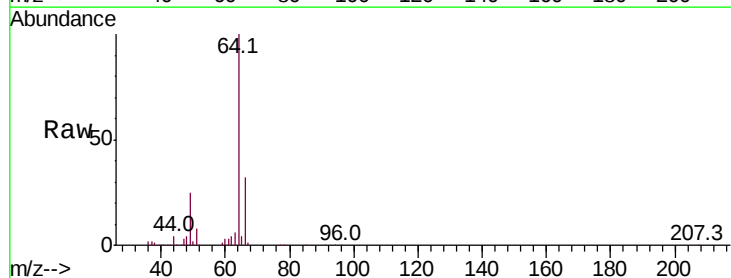
Acq: 30 Mar 2019 11:42

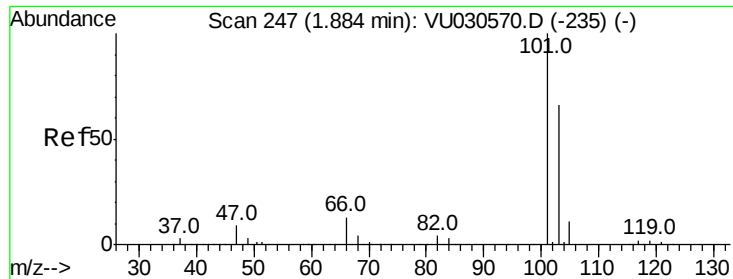
Tgt Ion: 64 Resp: 147209

Ion Ratio Lower Upper

64 100

66 31.9 25.5 38.3





#7

Trichlorofluoromethane

Concen: 11.117 ug/l

RT: 1.88 min Scan# 247

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 294126

Ion Ratio Lower Upper

101 100

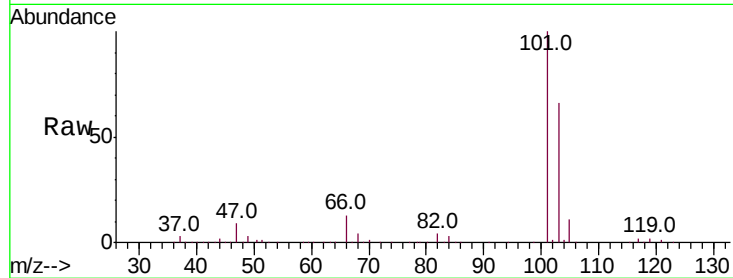
103 65.8 52.6 79.0

Manual Integrations

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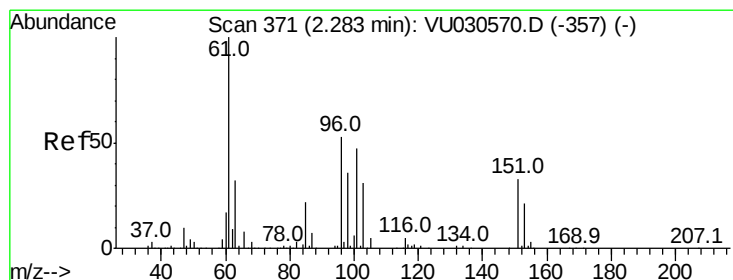
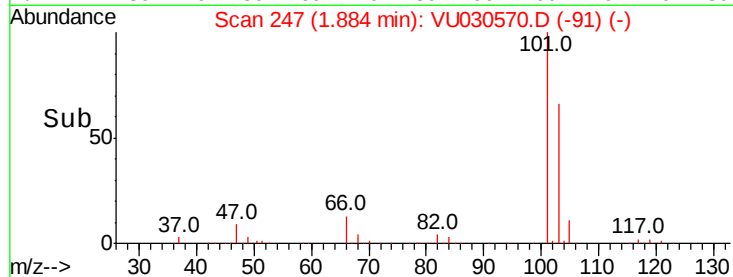
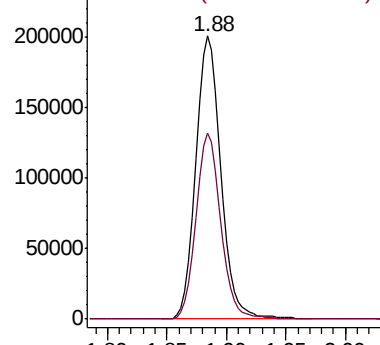
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 10.339 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

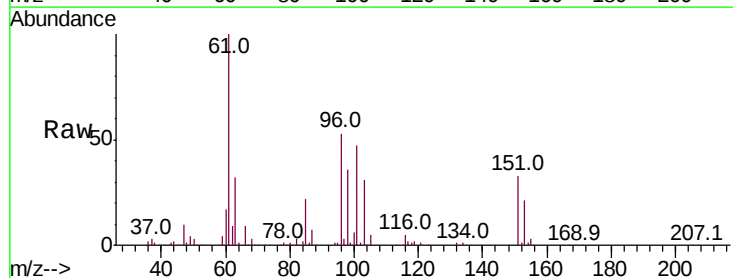
Tgt Ion:101 Resp: 146525

Ion Ratio Lower Upper

101 100

85 45.6 36.5 54.7

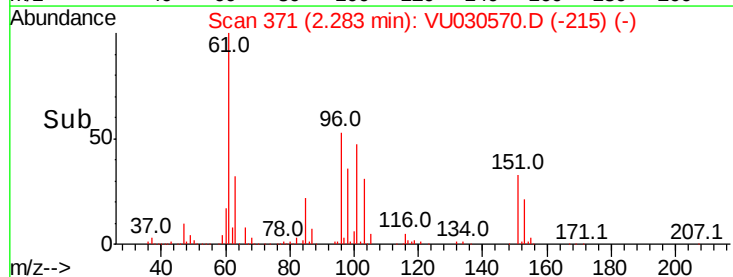
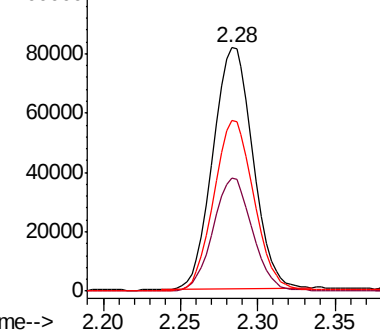
151 70.6 56.5 84.7

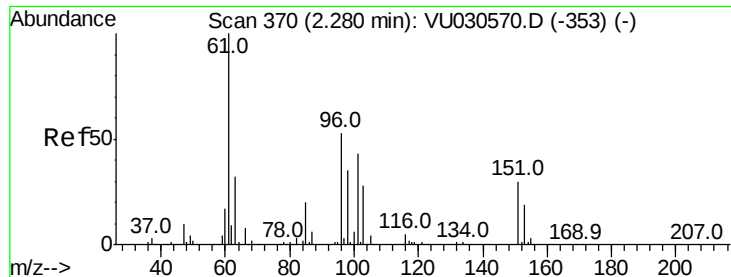


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 10.475 ug/l

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

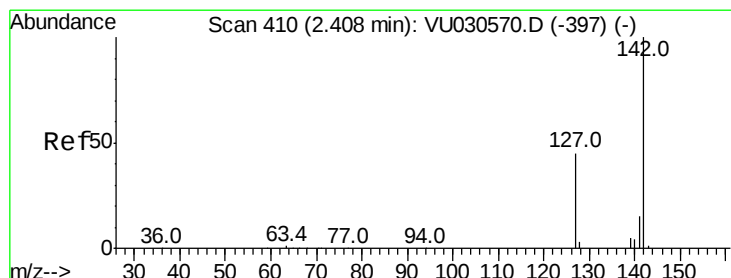
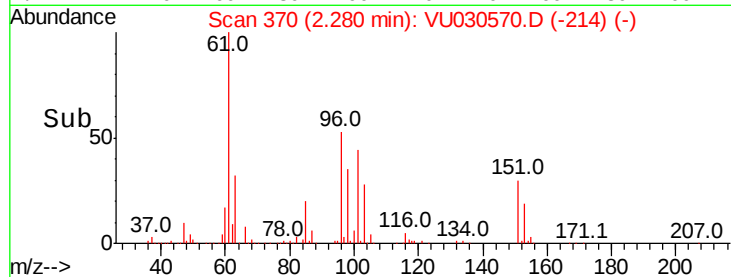
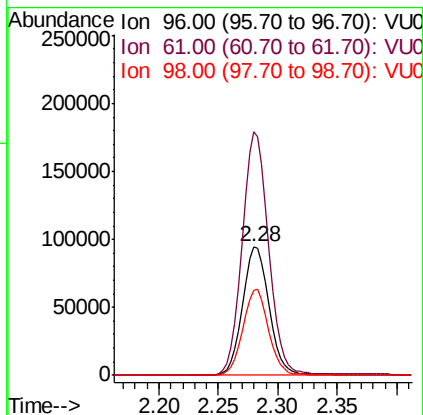
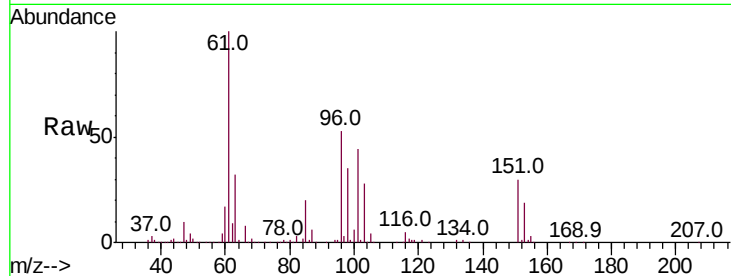
ClientSampleId :

VSTDICCC010

Tot Ion:	96	Resp:	147250
Ion Ratio	Lower	Upper	
96	100		
61	189.0	0.0	567.0
98	66.1	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 11.967 ug/l

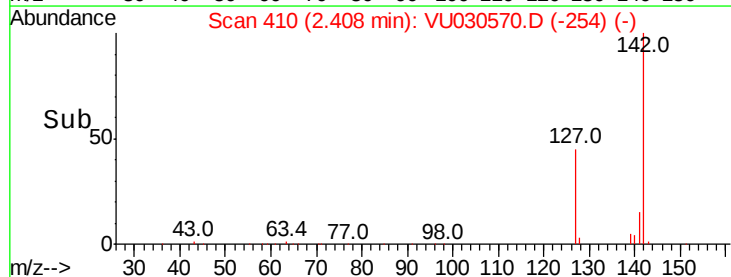
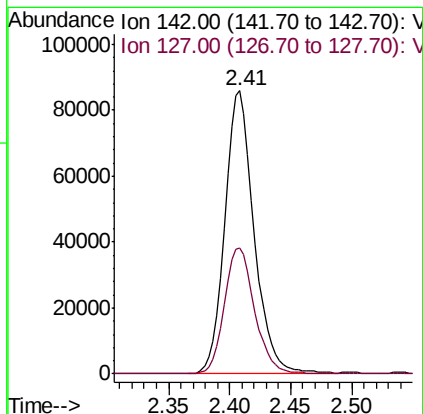
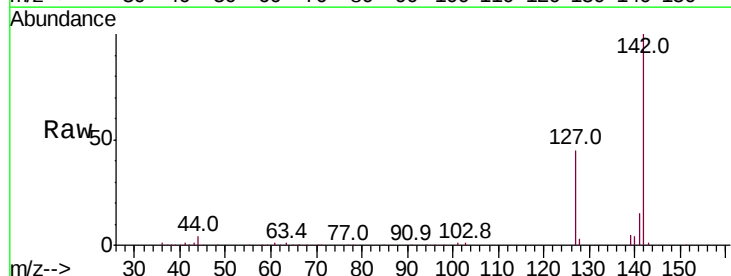
RT: 2.41 min Scan# 410

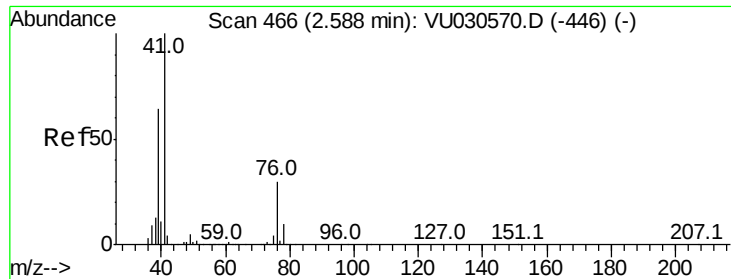
Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion:	142	Resp:	144621
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.8	55.2





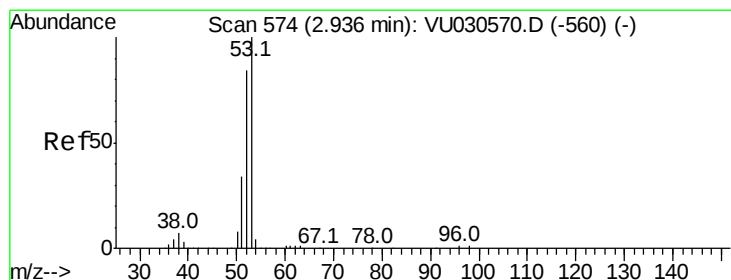
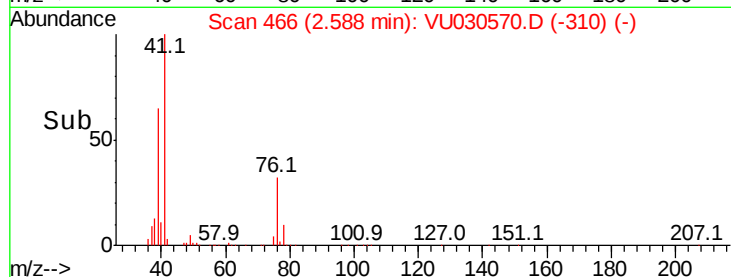
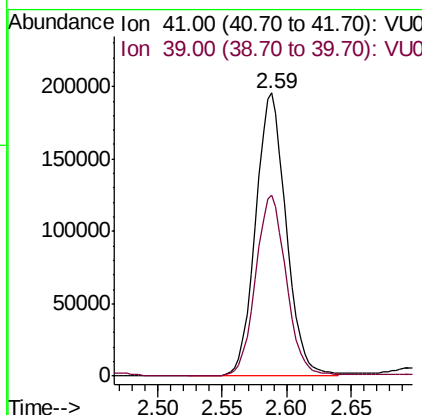
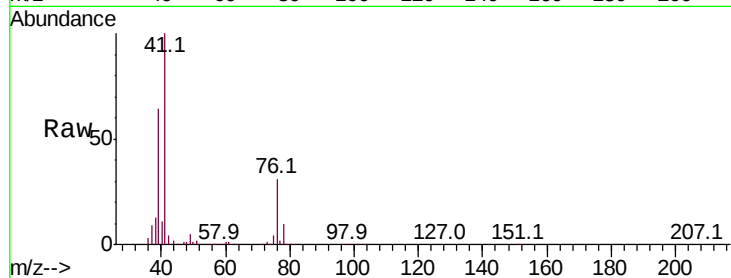
#11
Allvl Chloride
Concen: 14.777 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 41 Resp: 322020
Ion Ratio Lower Upper
41 100
39 64.7 51.8 77.6

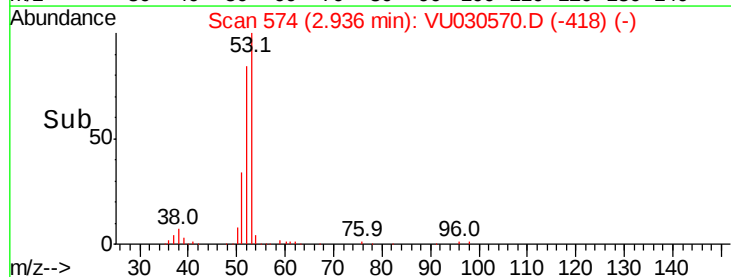
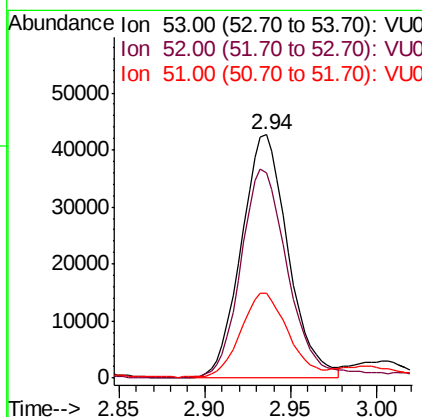
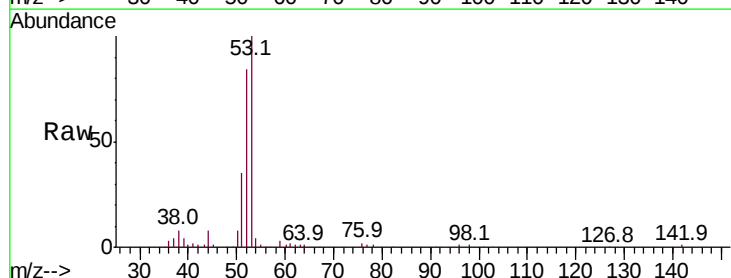
Manual Integrations
APPROVED

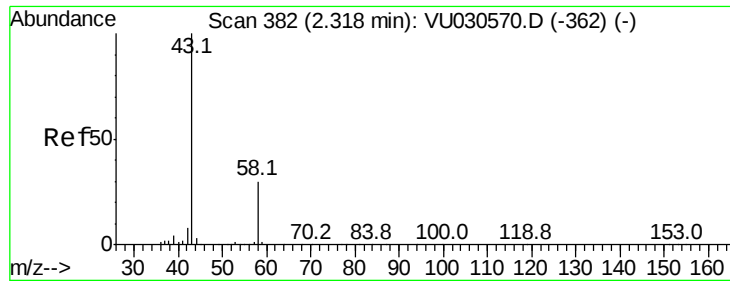
MMDadoda
4/5/2019 2:38:13 PM



#12
Acrylonitrile
Concen: 25.253 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion: 53 Resp: 80776
Ion Ratio Lower Upper
53 100
52 86.4 69.1 103.7
51 34.9 27.9 41.9





#13

Acetone

Concen: 64.366 ug/l

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 182080

Ion Ratio Lower Upper

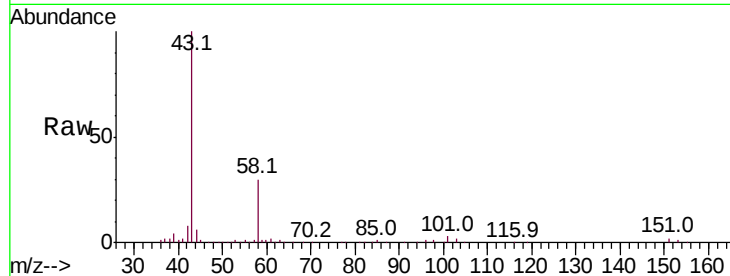
43 100

58 30.3 24.2 36.4

Manual Integrations
APPROVED

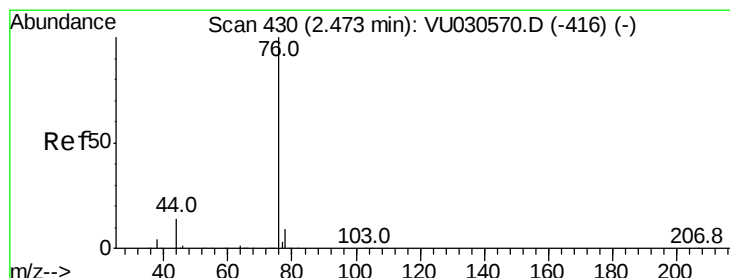
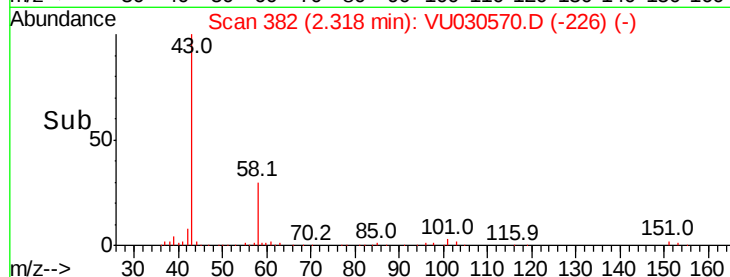
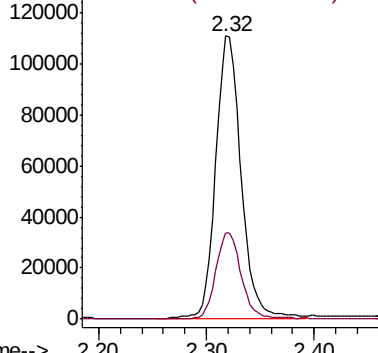
MMDadoda

4/5/2019 2:38:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.876 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030570.D

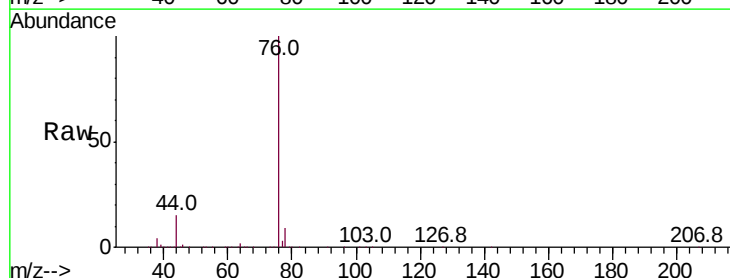
Acq: 30 Mar 2019 11:42

Tgt Ion: 76 Resp: 537900

Ion Ratio Lower Upper

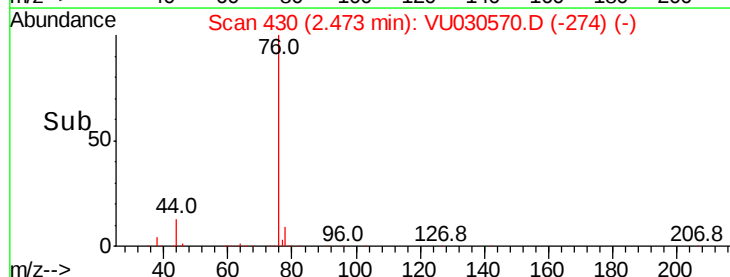
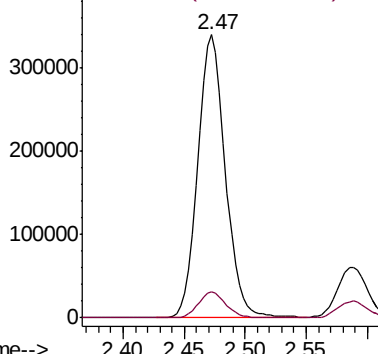
76 100

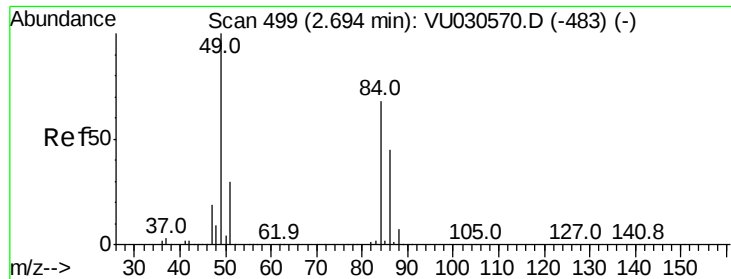
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





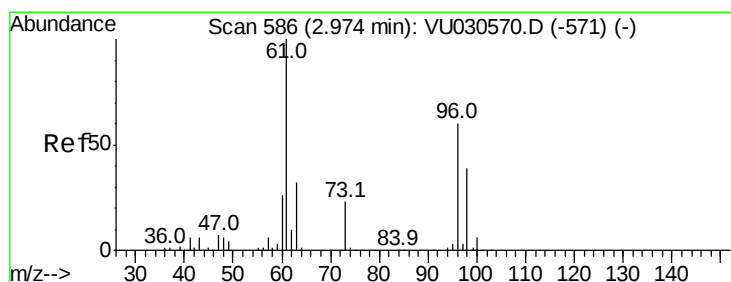
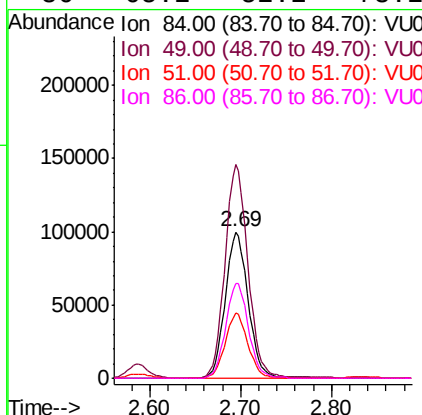
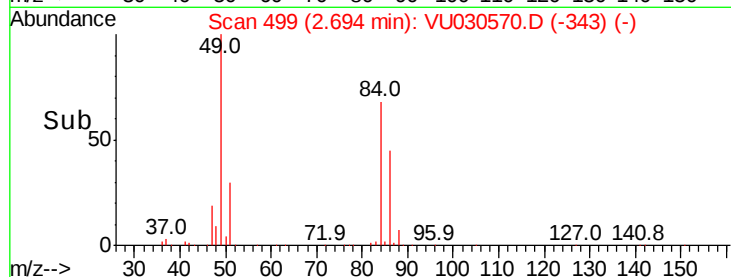
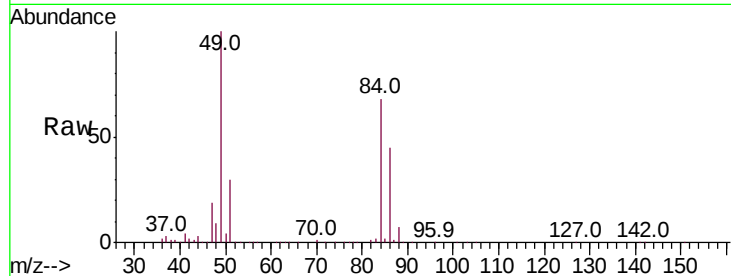
#15
Methvlene Chloride
Concen: 10.378 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	84	Resp	175035
Ion Ratio	Lower	Upper	
84	100		
49	146.3	117.0	175.6
51	44.3	0.0	88.6
86	65.2	52.2	78.2

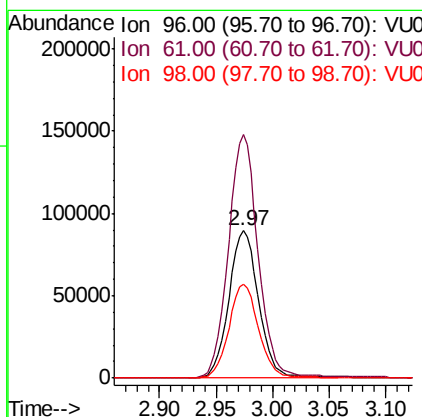
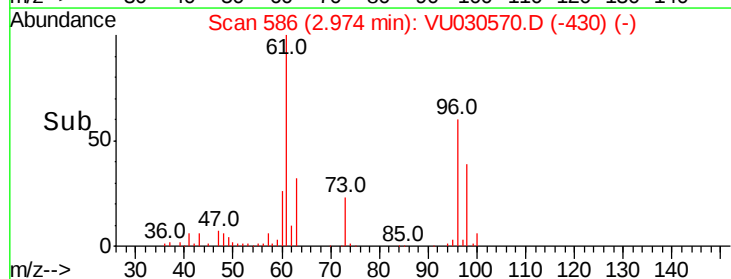
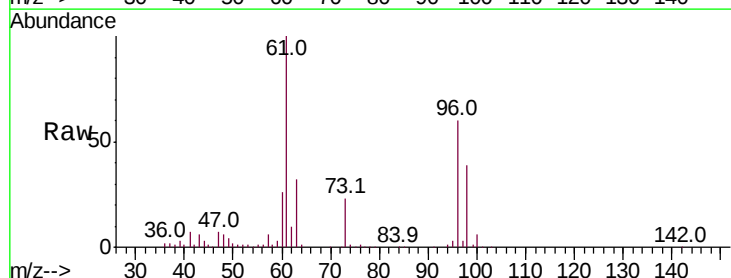
Manual Integrations
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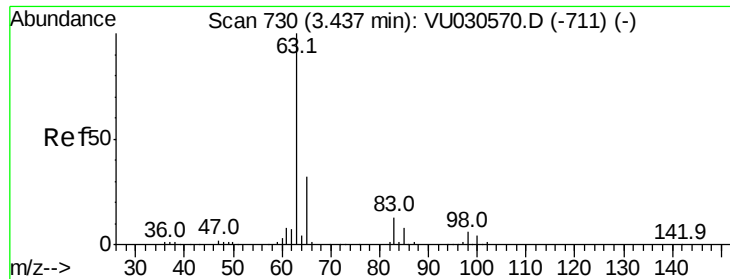
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 10.133 ug/l
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	96	Resp	163763
Ion Ratio	Lower	Upper	
96	100		
61	165.4	132.3	198.5
98	64.1	51.3	76.9





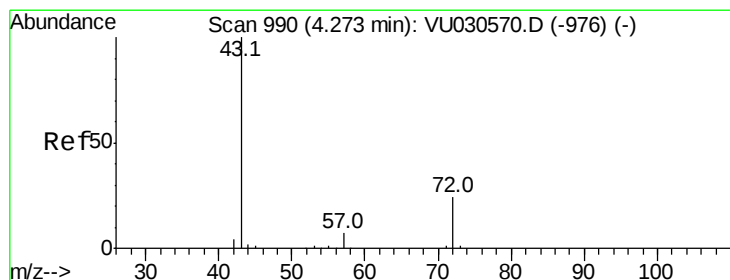
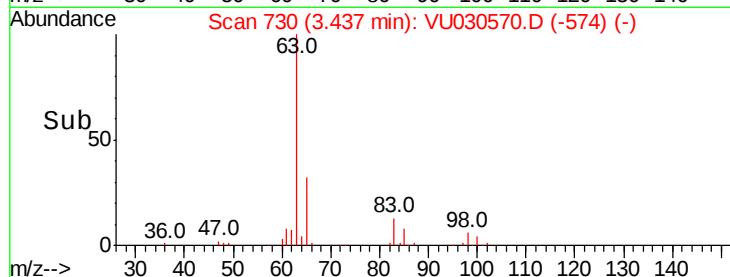
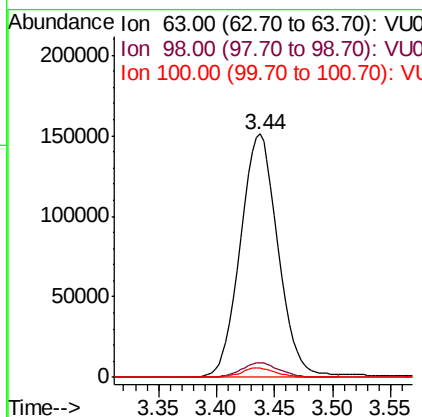
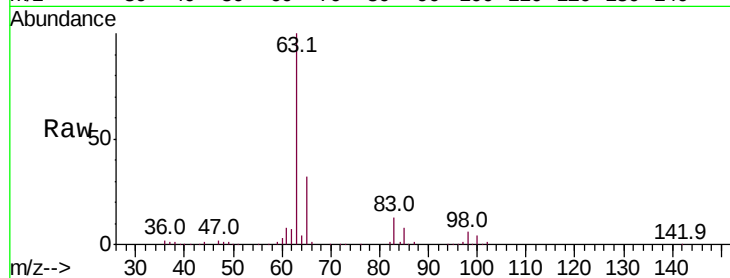
#17
 1,1-Dichloroethane
 Concen: 12.053 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
63	100	341551		
98	6.0	3.0	9.0	
100	3.7	1.8	5.5	

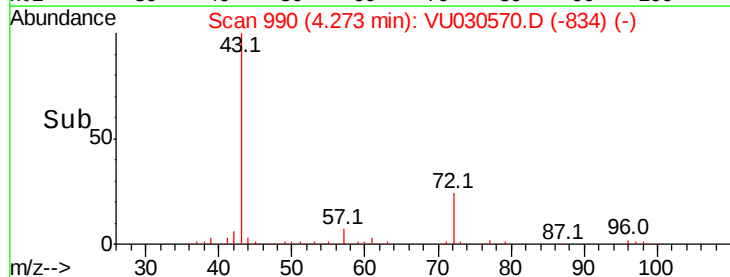
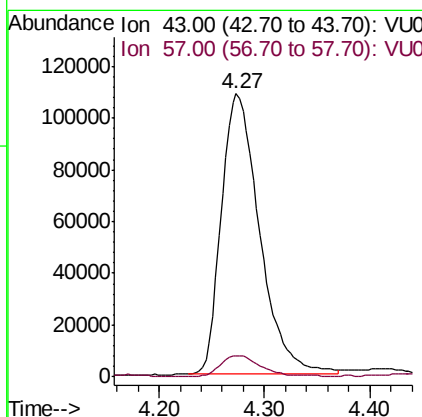
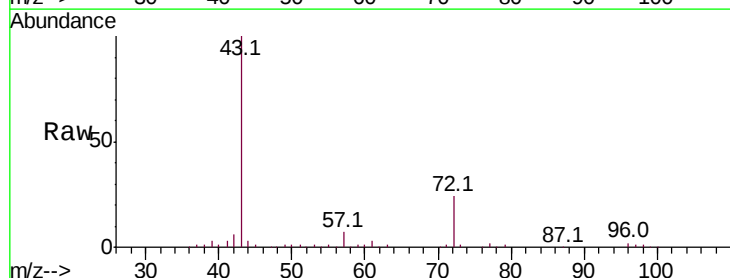
Manual Integrations
 APPROVED

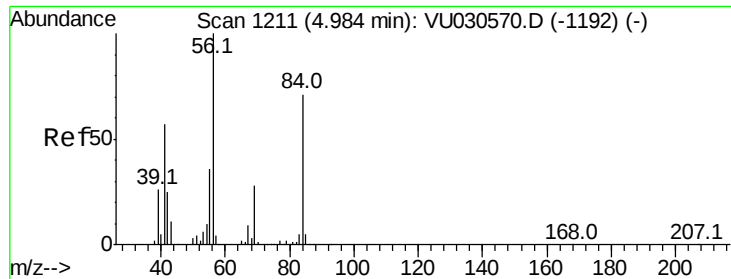
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#18
 2-Butanone
 Concen: 69.259 ug/l
 RT: 4.27 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	271757		
57	7.2	0.0	14.4	





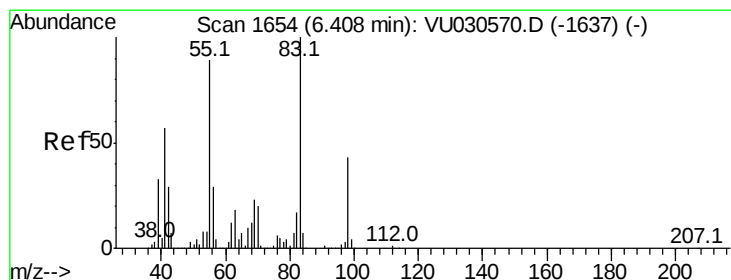
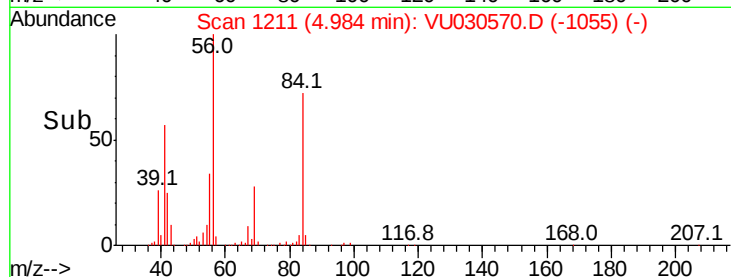
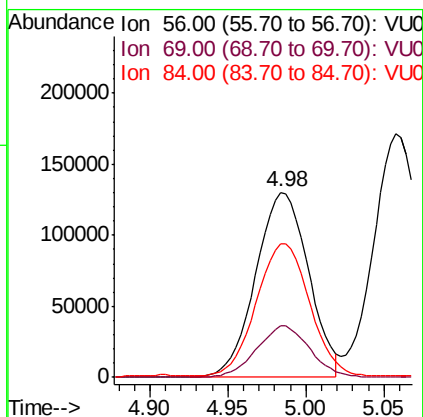
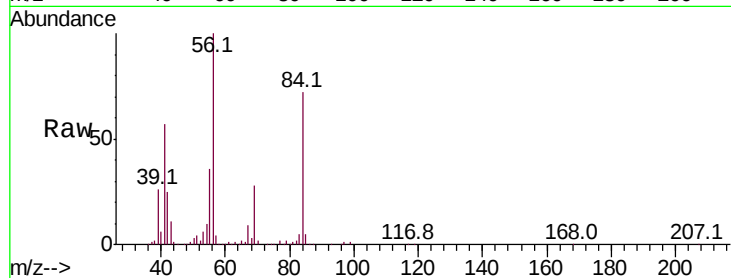
#19
Cyclohexane
Concen: 12.542 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.3	33.5
84	72.7	57.6	86.4

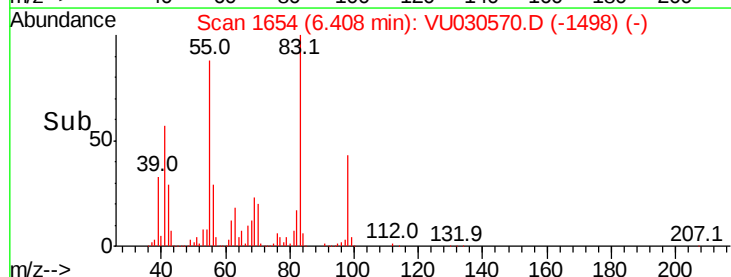
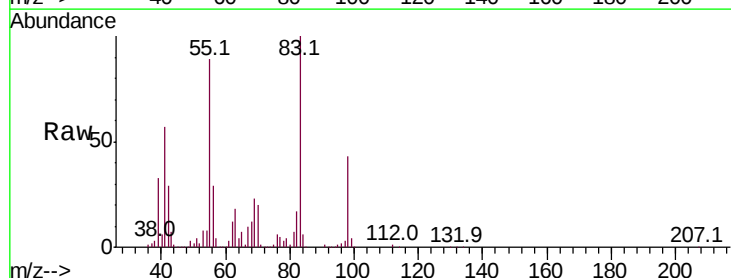
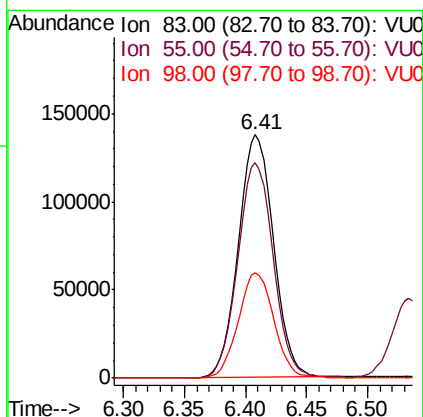
Manual Integrations
APPROVED

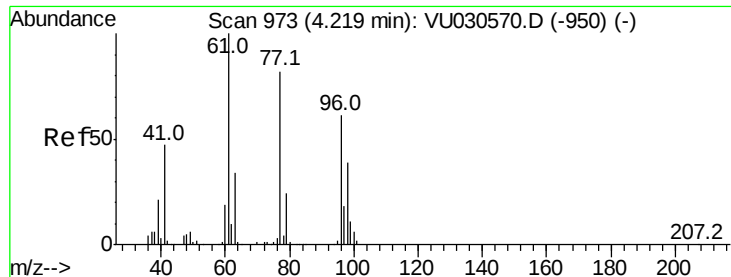
MMDadoda
4/5/2019 2:38:13 PM



#20
Methylcyclohexane
Concen: 10.623 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.0	72.0	108.0
98	43.7	35.0	52.4





#21

2,2-Dichloropropane

Concen: 11.192 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 77 Resp: 263190

Ion Ratio Lower Upper

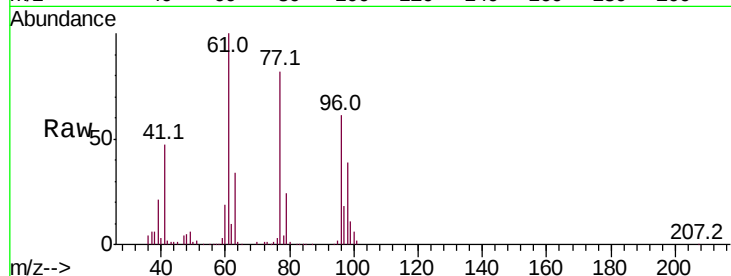
77 100

97 22.0 17.6 26.4

Manual Integrations
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Abundance Ion 77.00 (76.70 to 77.70): VU030570.D (-950) (-)

Ion 97.00 (96.70 to 97.70): VU030570.D (-950) (-)

4.22

100000

80000

60000

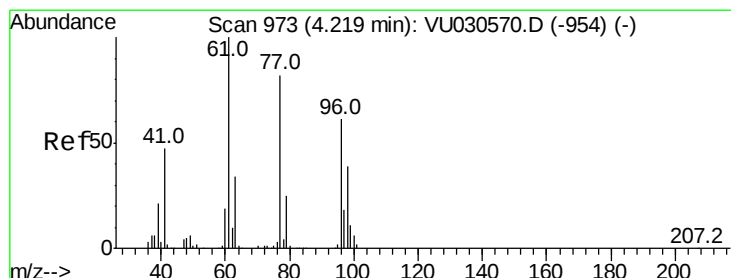
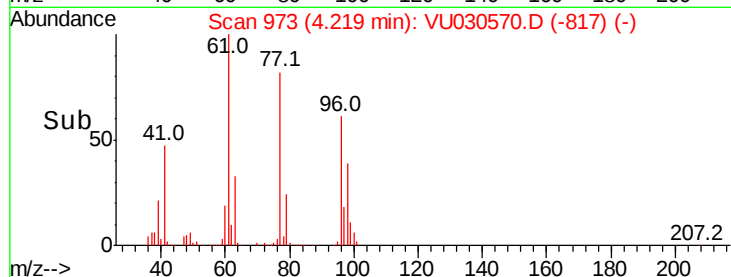
40000

20000

0

4.10 4.20 4.30

Time-->



#22

cis-1,2-Dichloroethene

Concen: 10.121 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

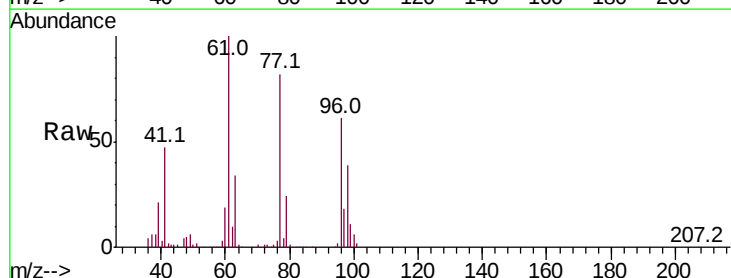
Tgt Ion: 96 Resp: 181320

Ion Ratio Lower Upper

96 100

61 170.8 0.0 427.0

98 64.9 32.5 97.4



Abundance Ion 96.00 (95.70 to 96.70): VU030570.D (-954) (-)

Ion 61.00 (60.70 to 61.70): VU030570.D (-954) (-)

Ion 98.00 (97.70 to 98.70): VU030570.D (-954) (-)

4.22

150000

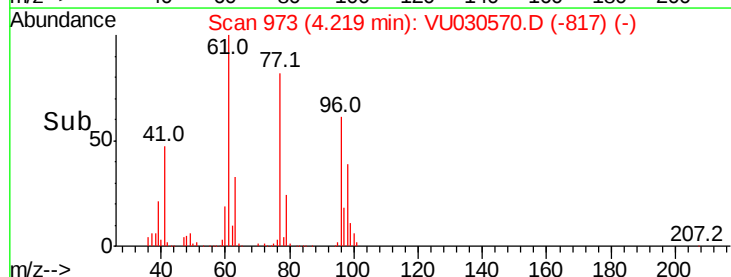
100000

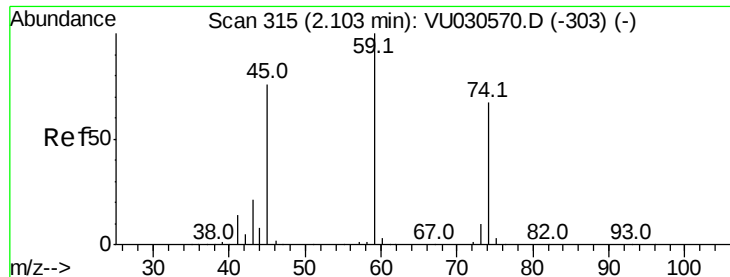
50000

0

4.10 4.20 4.30

Time-->





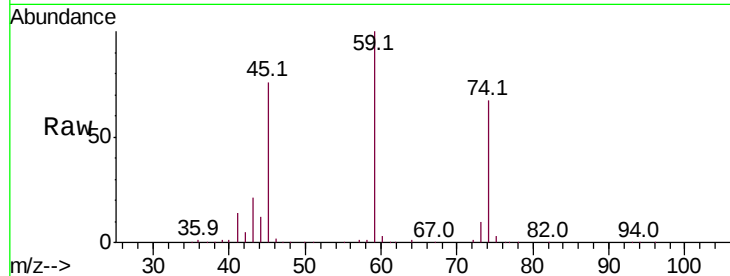
#23
Diethyl Ether
Concen: 12.798 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

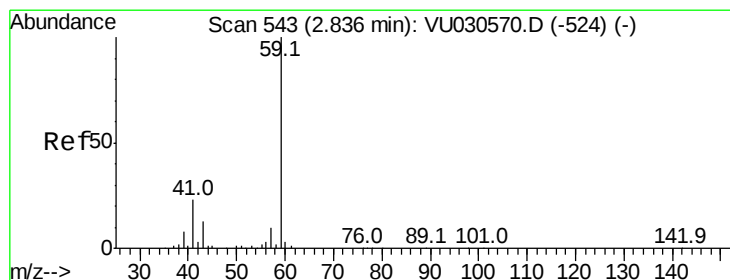
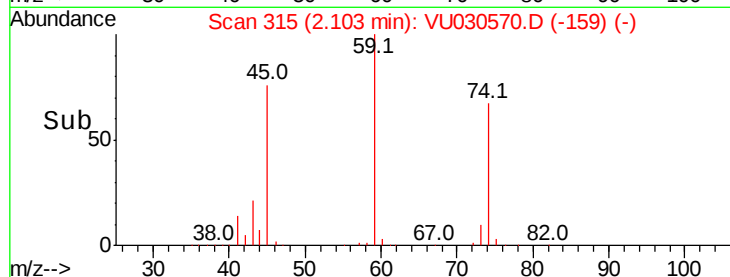
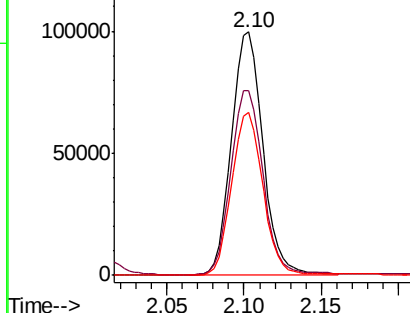
Tot Ion	Ratio	Lower	Upper
59	100		
45	77.0	61.6	92.4
74	66.5	53.2	79.8

Manual Integrations
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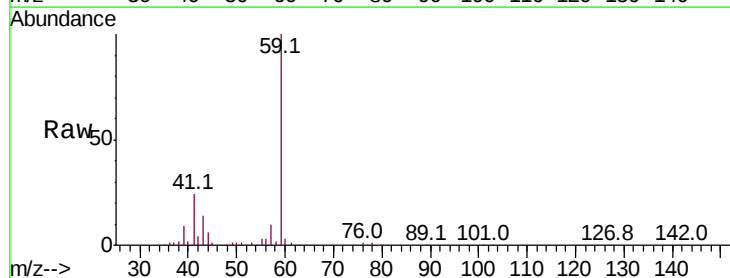


Abundance Ion 59.00 (58.70 to 59.70): VU0
Ion 45.00 (44.70 to 45.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

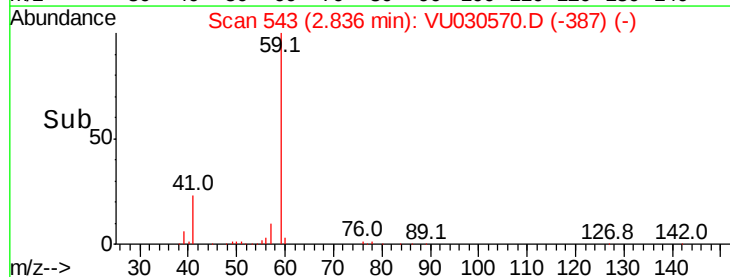
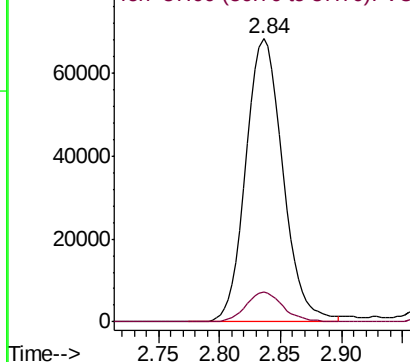


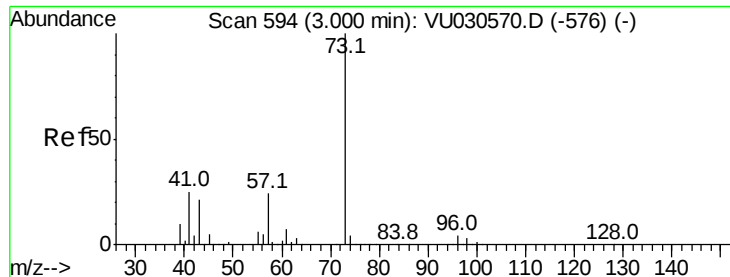
#24
tert-Butyl Alcohol
Concen: 122.306 ug/l
RT: 2.84 min Scan# 543
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6



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





#25

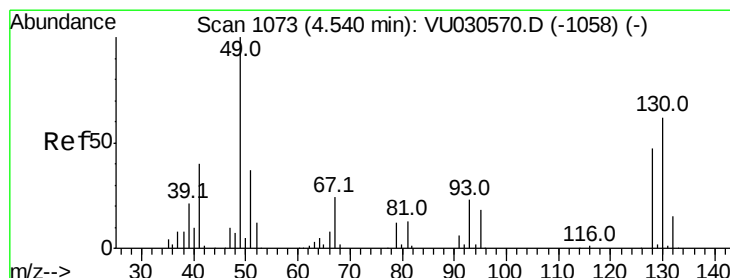
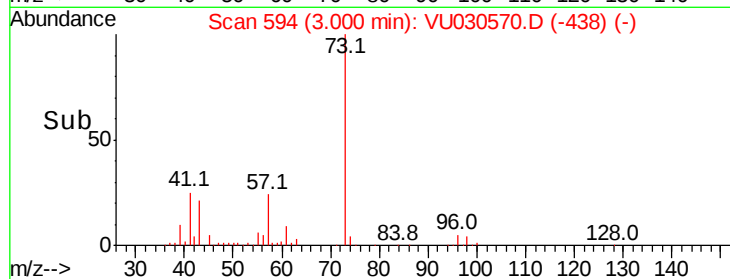
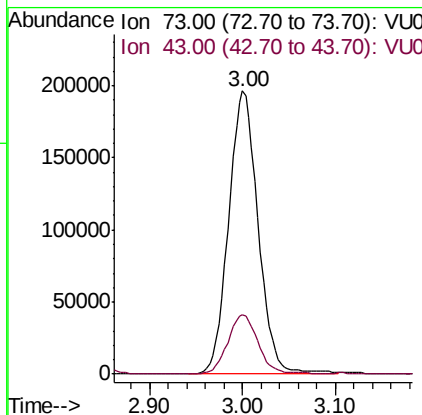
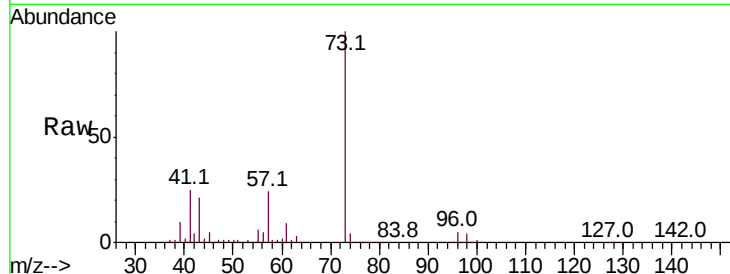
Methyl tert-Butyl Ether
 Concen: 11.869 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.7	16.6	24.8

Manual Integrations
 APPROVED

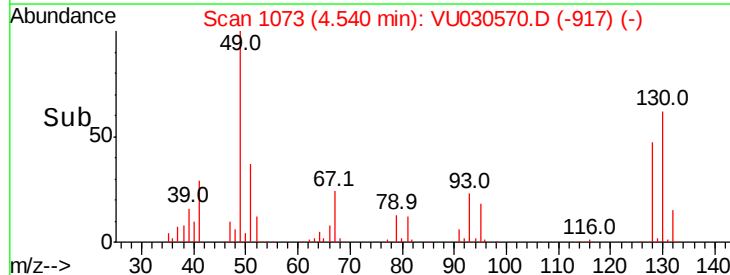
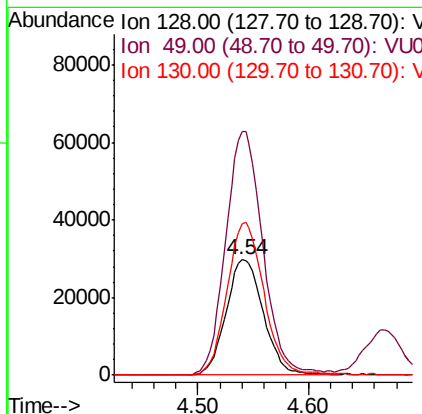
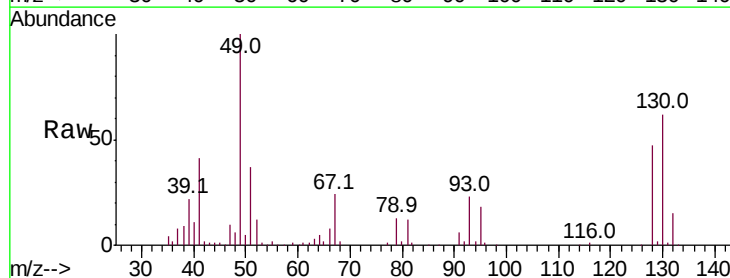
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 4/5/2019 2:38:13 PM

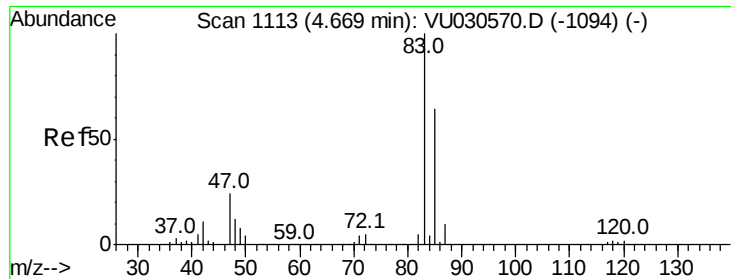


#26

Bromochloromethane
 Concen: 9.090 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
128	100		
49	209.1	0.0	418.2
130	129.2	103.4	155.0





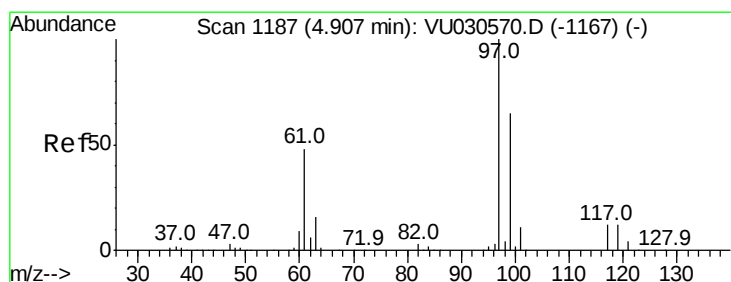
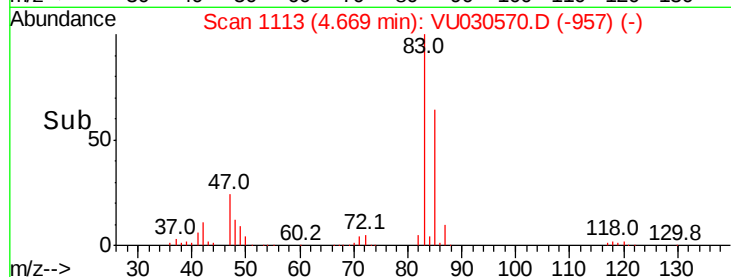
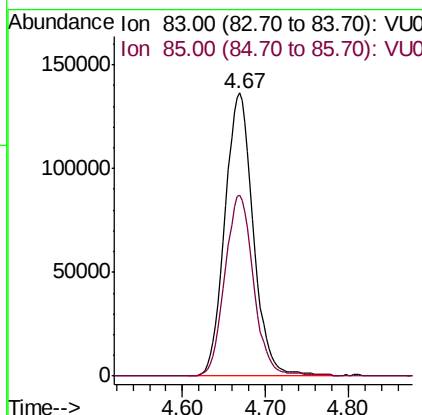
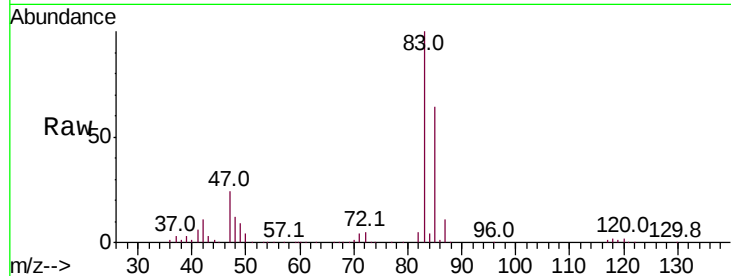
#27
Chloroform
Concen: 11.072 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.2	0.0	128.4	

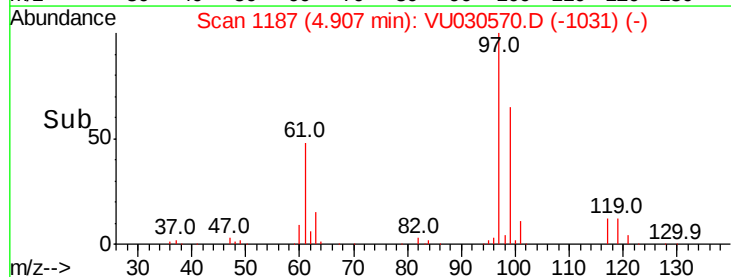
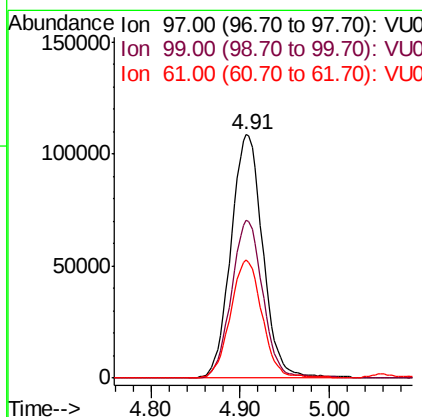
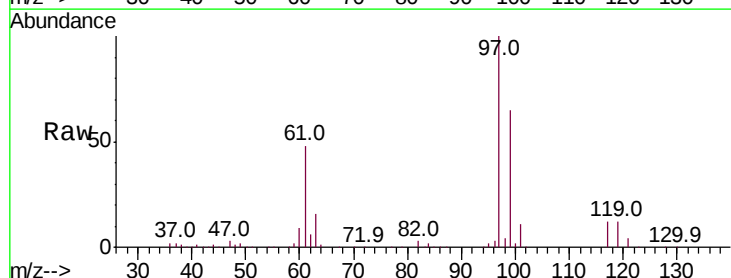
Manual Integrations
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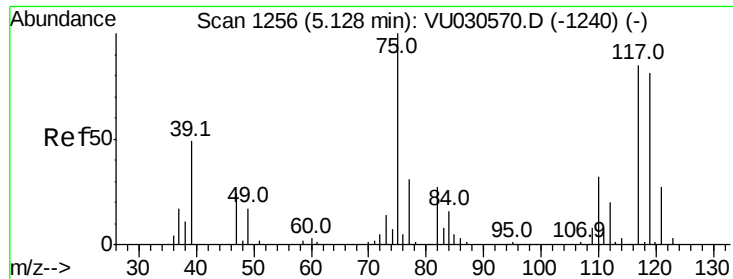
MMDadoda
4/5/2019 2:38:13 PM



#28
1,1,1-Trichloroethane
Concen: 11.226 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
97	100			
99	64.0	32.0	96.0	
61	48.0	24.0	72.0	





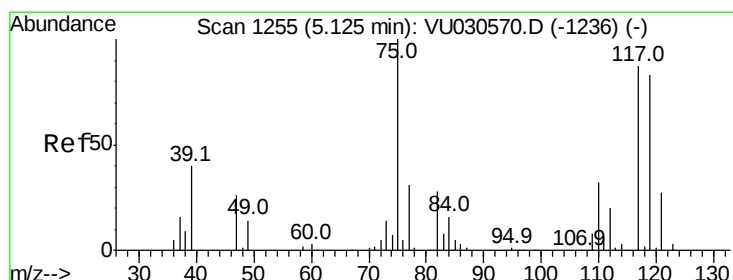
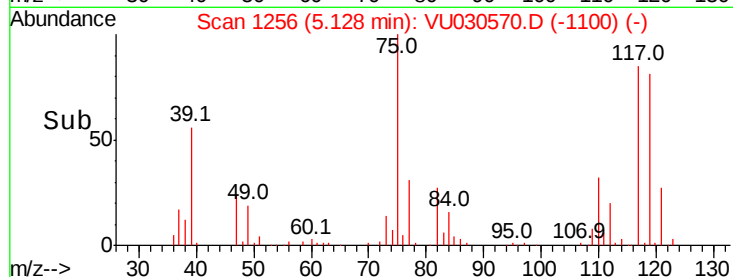
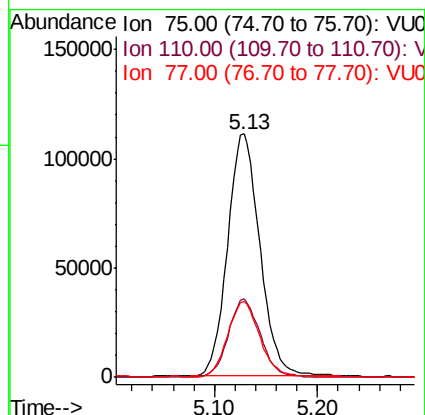
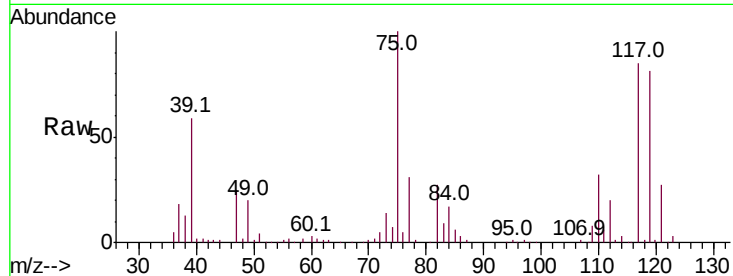
#29
1,1-Dichloropropene
Concen: 11.110 ug/l
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	16.0	48.0
77	31.0	24.8	37.2

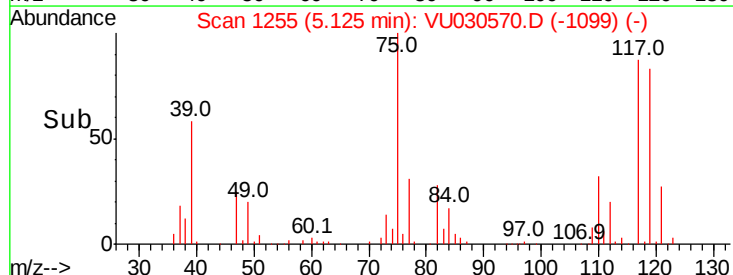
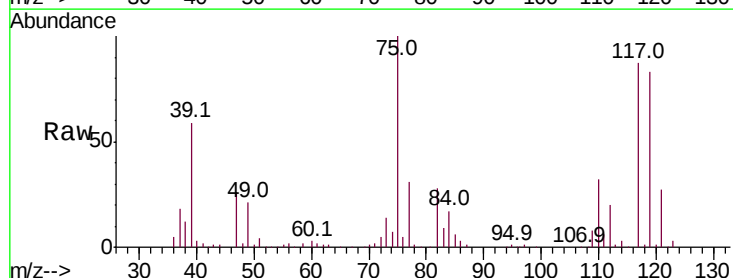
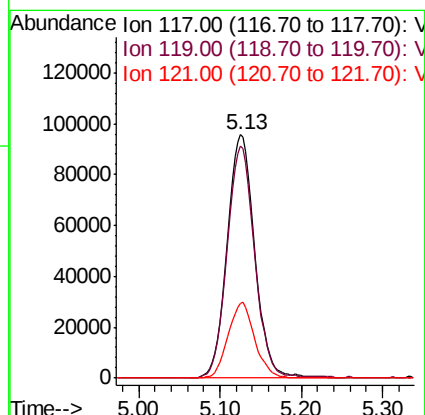
Manual Integrations
APPROVED

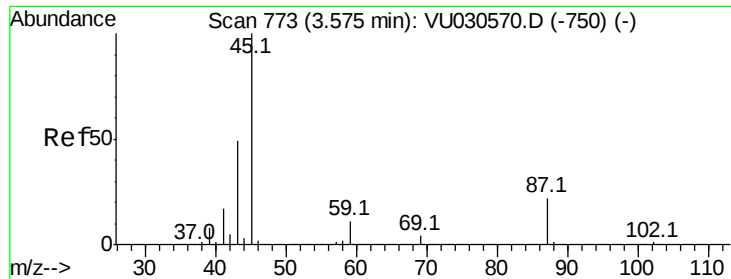
MMDadoda
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#30
Carbon Tetrachloride
Concen: 10.736 ug/l
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.4	114.6
121	30.9	24.7	37.1





#31

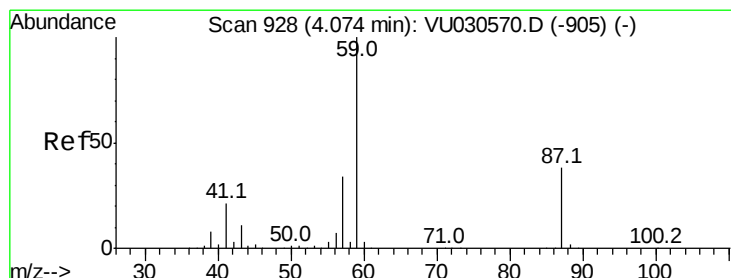
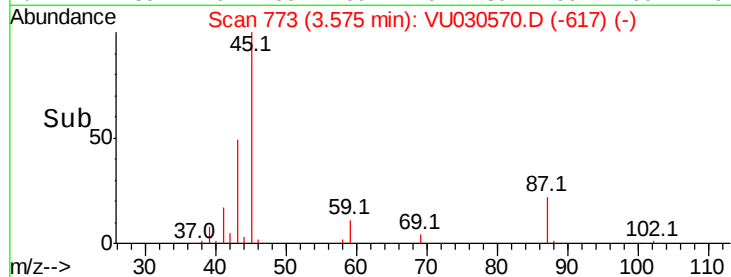
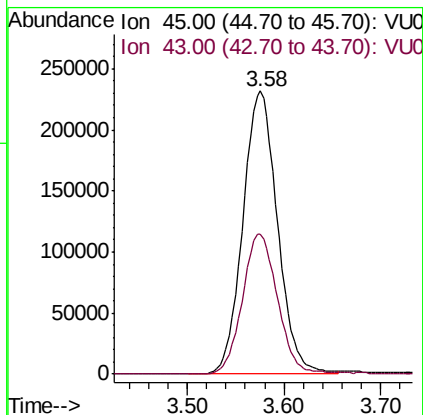
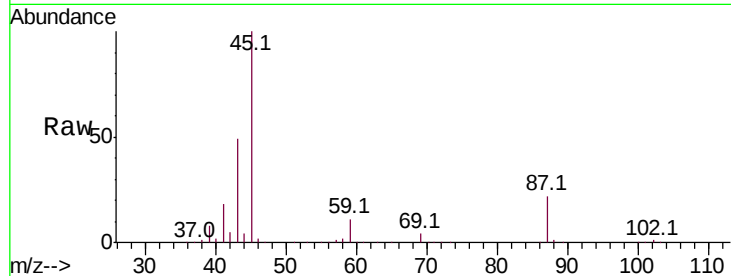
Isopropyl Ether
 Concen: 13.898 ug/l
 RT: 3.58 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	45	Ratio	Lower	Upper
45	100			
43	50.0	25.0	75.0	

Manual Integrations
 APPROVED

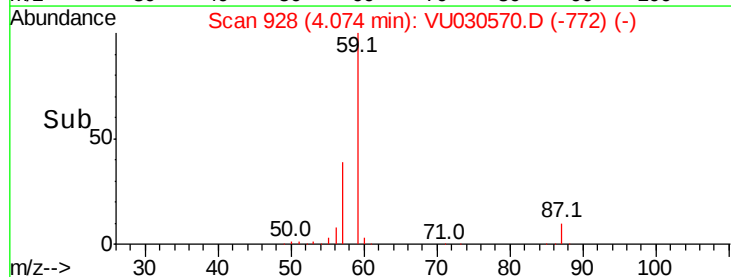
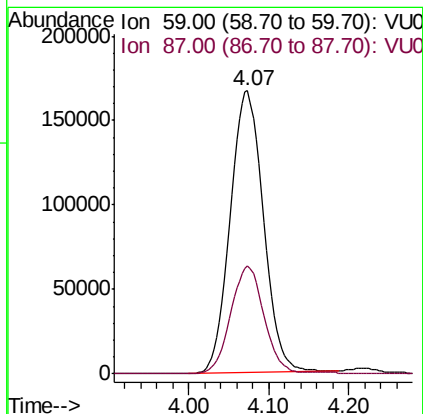
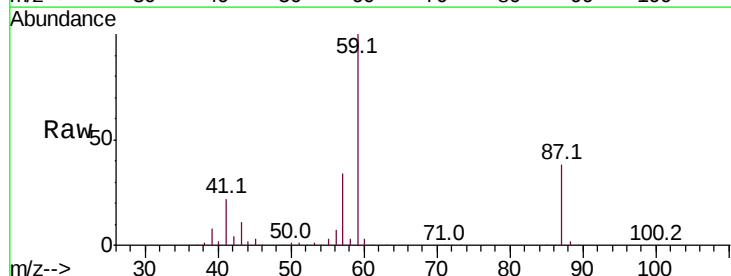
MMDadoda
 4/5/2019 2:38:13 PM

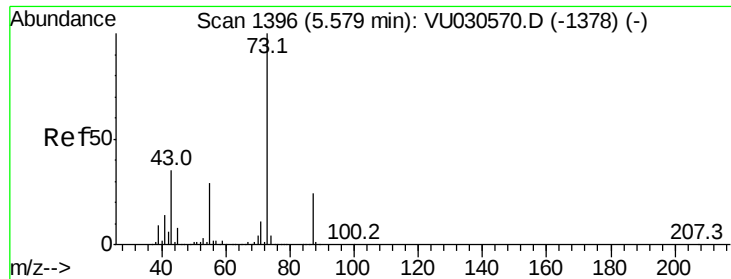


#32

Ethyl-t-butyl ether
 Concen: 12.227 ug/l
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	59	Ratio	Lower	Upper
59	100			
87	37.6	30.1	45.1	





#33

Tert-Amvl methvl ether

Concen: 11.419 ug/l

RT: 5.58 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VU030570.D

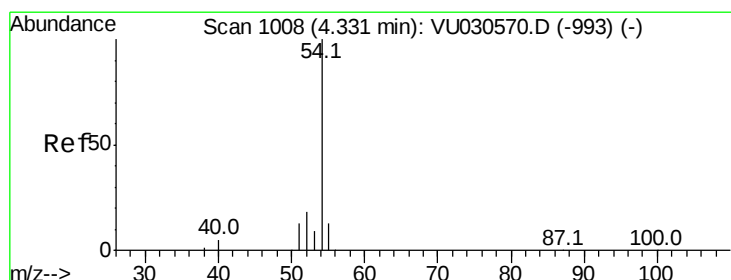
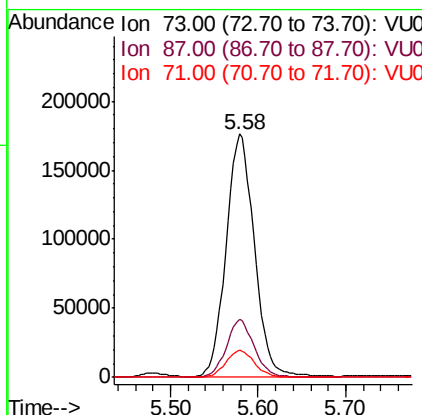
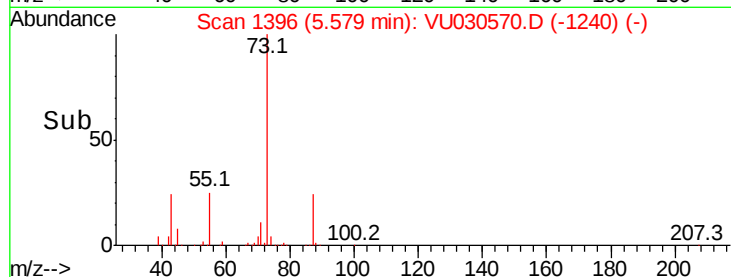
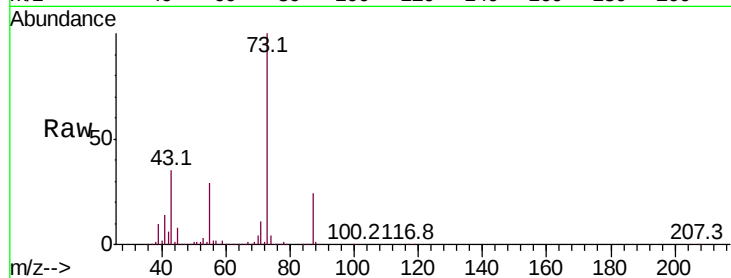
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.2	18.6	27.8
71	11.2	9.0	13.4

Manual Integrations
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#34

Propionitrile

Concen: 68.812 ug/l

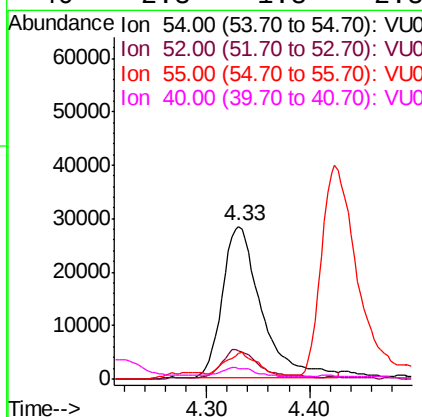
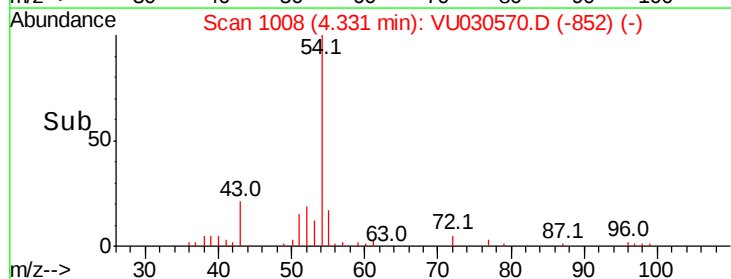
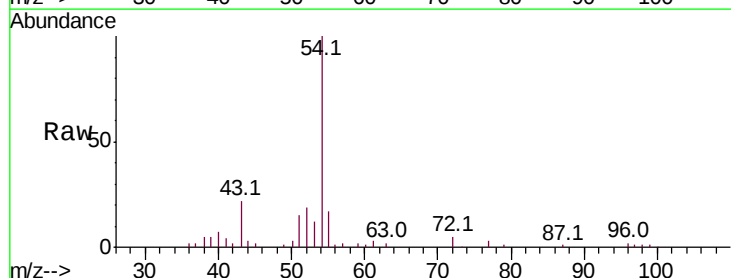
RT: 4.33 min Scan# 1008

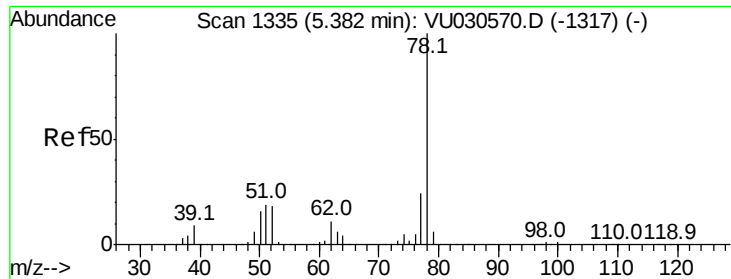
Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
54	100		
52	17.6	14.1	21.1
55	13.0	10.4	15.6
40	2.3	1.8	2.8





#35

Benzene

Concen: 11.210 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 717821

Ion Ratio Lower Upper

78 100

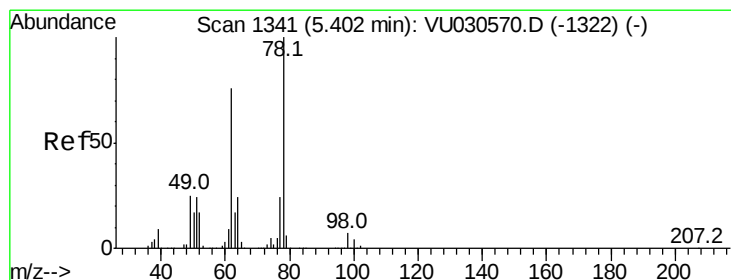
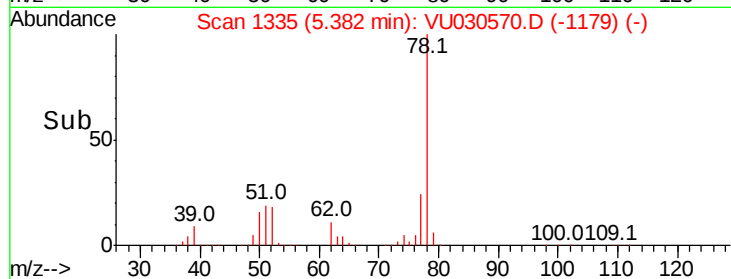
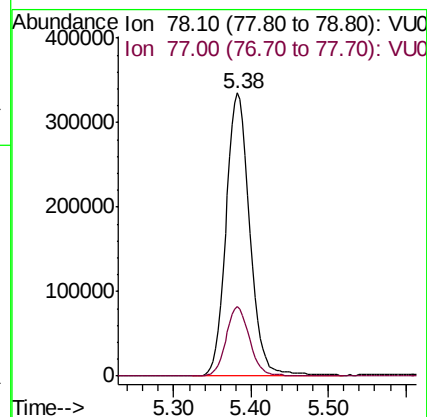
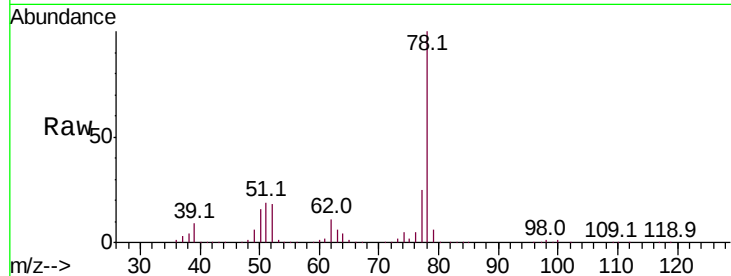
77 24.4 19.5 29.3

Manual Integrations

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#36

1,2-Dichloroethane

Concen: 12.177 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU030570.D

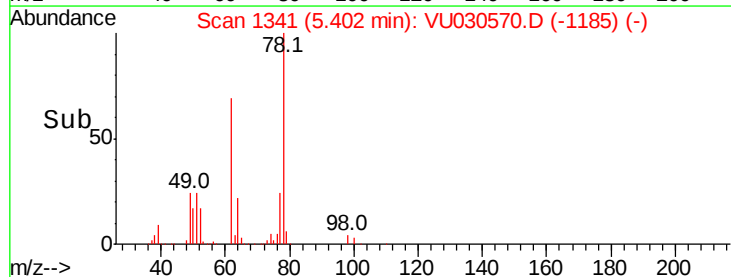
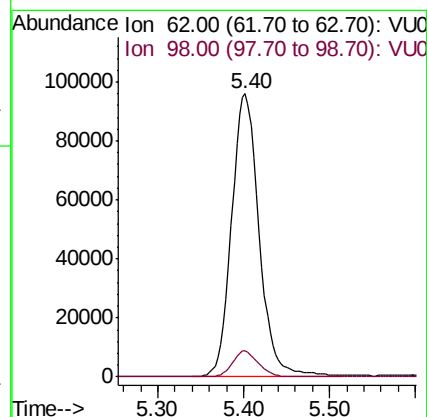
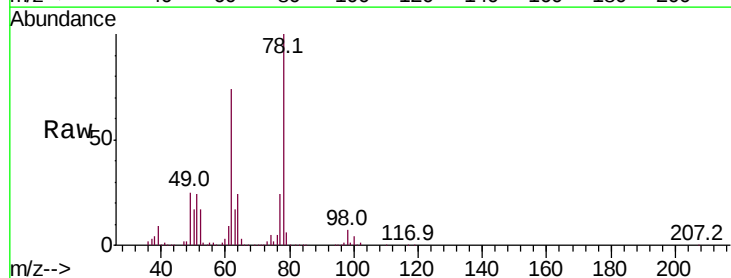
Acq: 30 Mar 2019 11:42

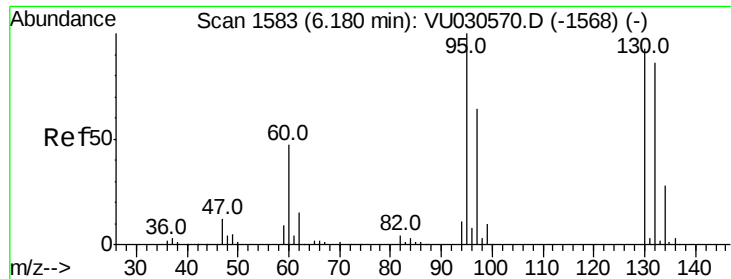
Tgt Ion: 62 Resp: 214302

Ion Ratio Lower Upper

62 100

98 8.5 6.8 10.2





#37

Trichloroethene

Concen: 9.466 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U

ClientSampleId :
VSTDICCC010

Tot Ion:130 Resp: 169025

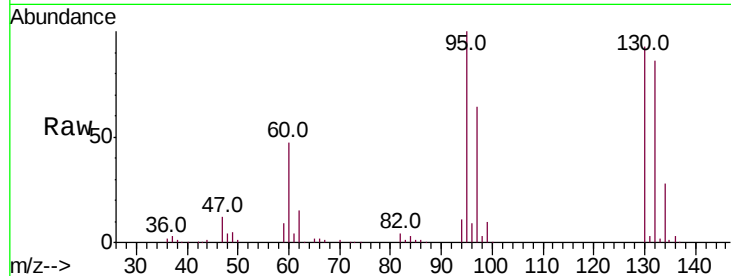
Ion Ratio Lower Upper

130 100

95 107.3 85.8 128.8

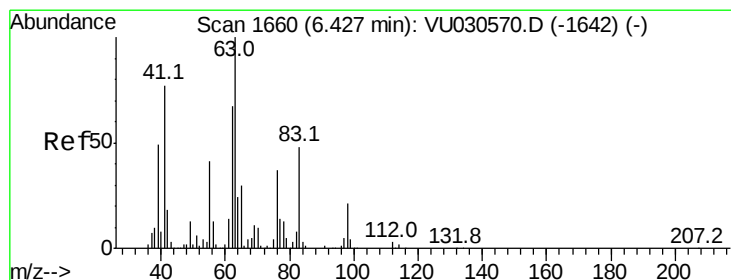
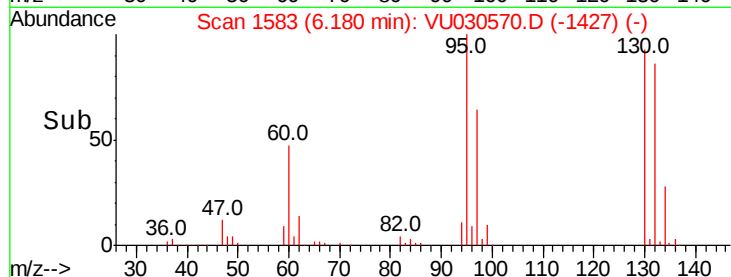
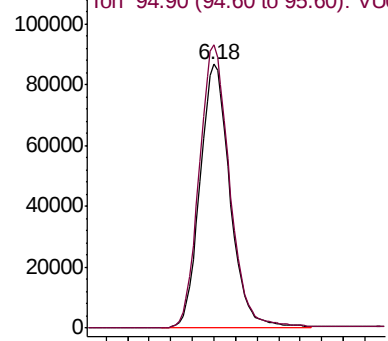
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Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)



#38

1,2-Dichloropropane

Concen: 11.924 ug/l

RT: 6.43 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VU030570.D

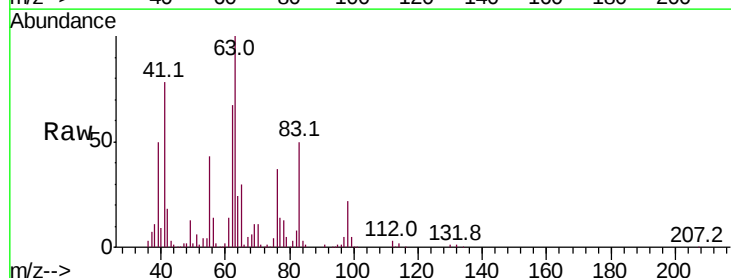
Acq: 30 Mar 2019 11:42

Tgt Ion: 63 Resp: 197362

Ion Ratio Lower Upper

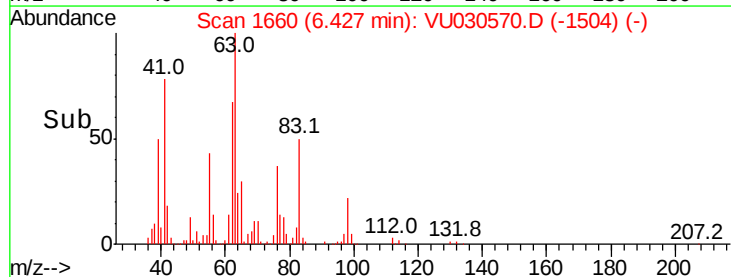
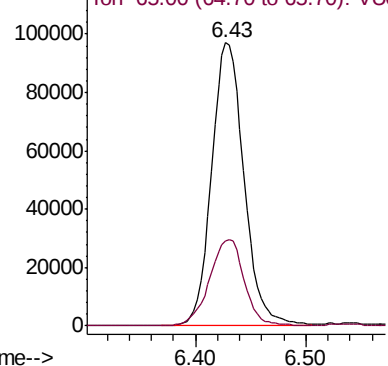
63 100

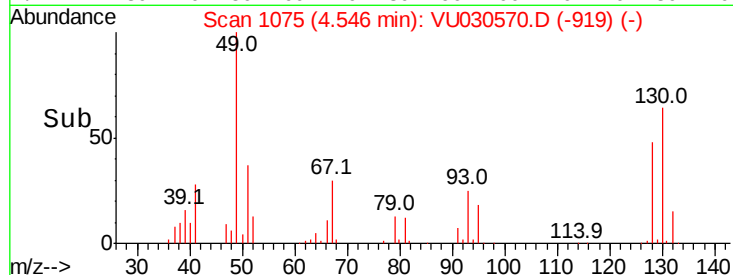
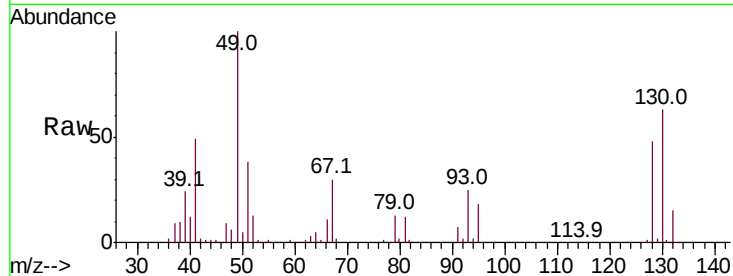
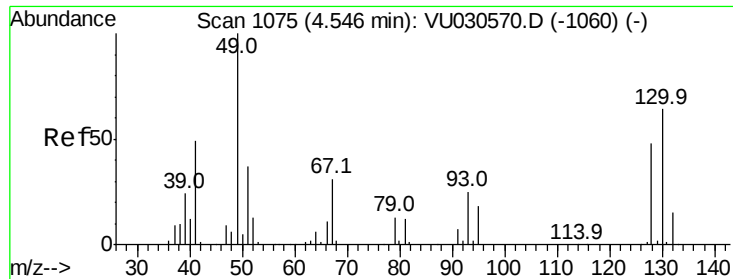
65 29.9 23.9 35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030570.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU030570.D (-1642) (-)





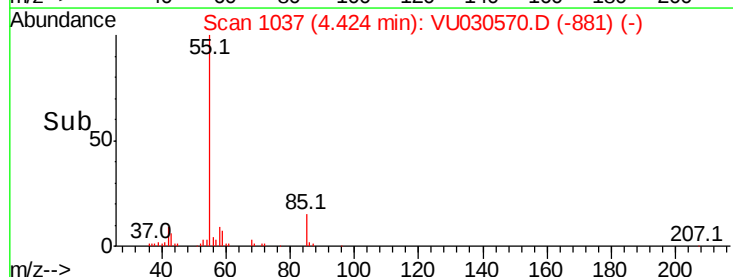
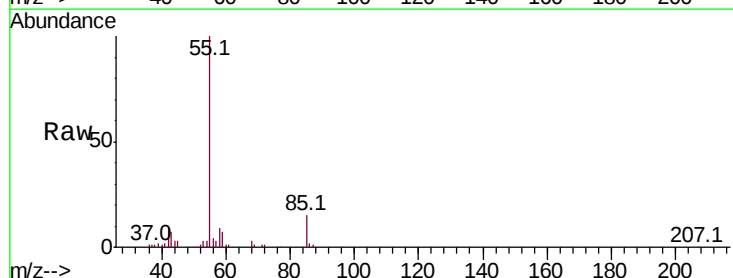
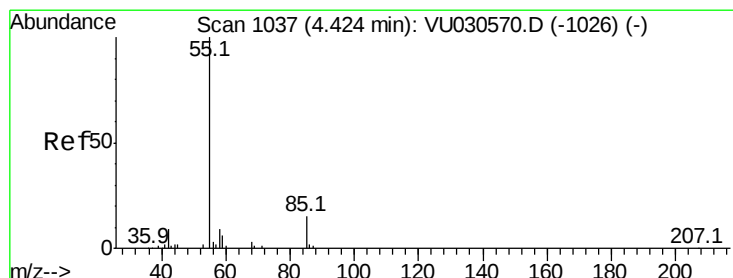
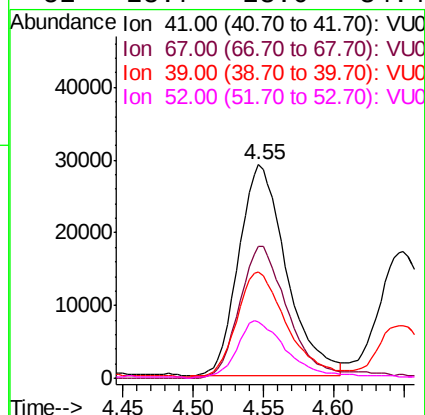
#39
Methacrylonitrile
Concen: 14.294 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tot Ion	41	Resp	69155
Ion	Ratio	Lower	Upper
41	100		
67	62.8	50.2	75.4
39	50.9	40.7	61.1
52	28.7	23.0	34.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

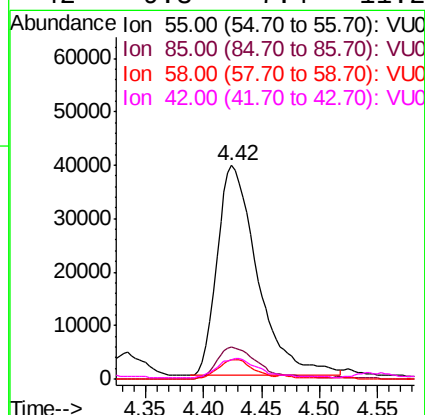
Manual Integrations
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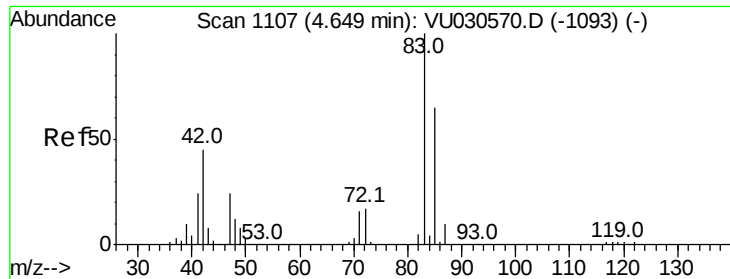
MMDadoda
4/5/2019 2:38:13 PM



#40
Methyl acrylate
Concen: 13.025 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	55	Resp	95897
Ion	Ratio	Lower	Upper
55	100		
85	15.6	12.5	18.7
58	7.9	6.3	9.5
42	9.3	7.4	11.2





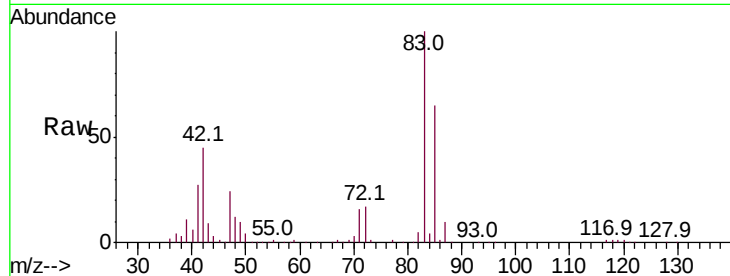
#41
Tetrahydrofuran
Concen: 25.997 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.0
71	36.0	28.8	43.2

Manual Integrations
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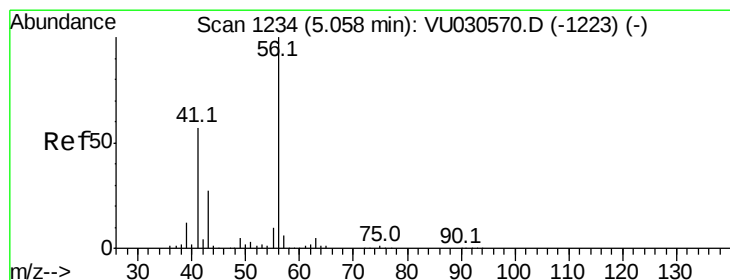
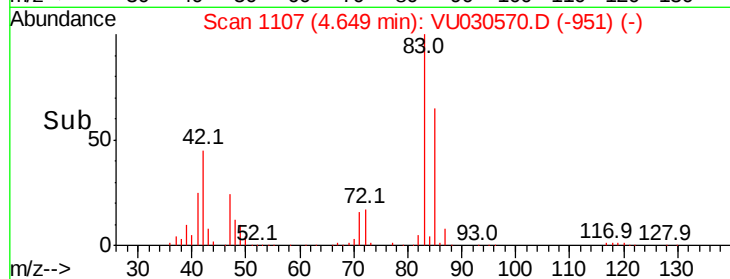
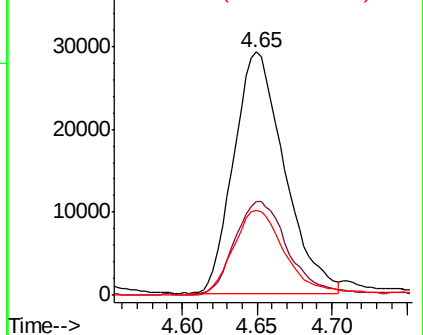


Abundance

Ion 42.00 (41.70 to 42.70): VU0

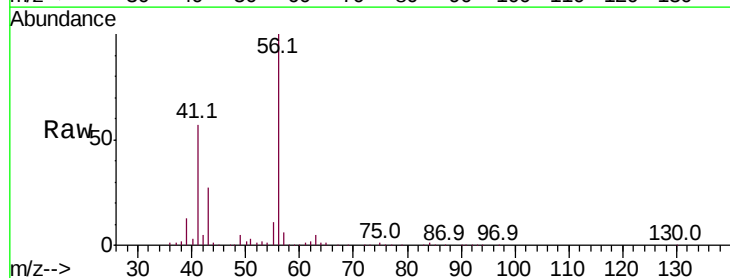
Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



#42
1-Chlorobutane
Concen: 12.716 ug/l
RT: 5.06 min Scan# 1234
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

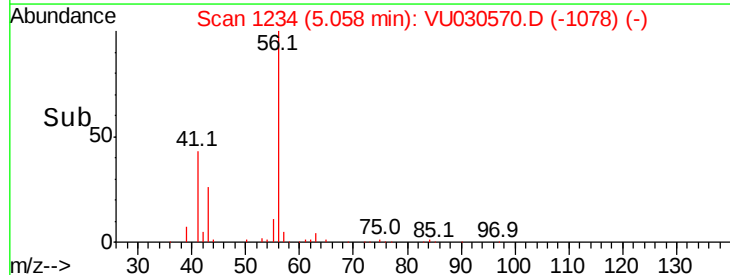
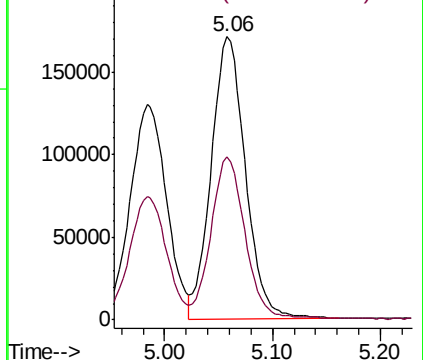
Tgt Ion	Ratio	Lower	Upper
56	100		
41	57.1	28.5	85.6

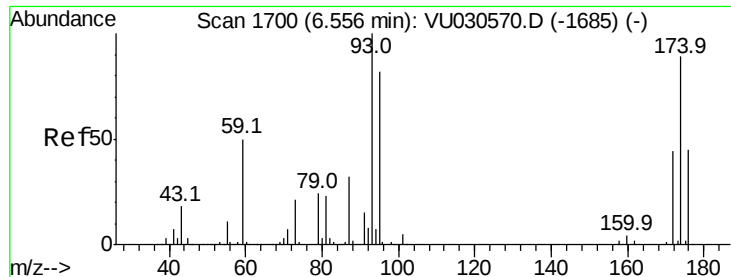


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





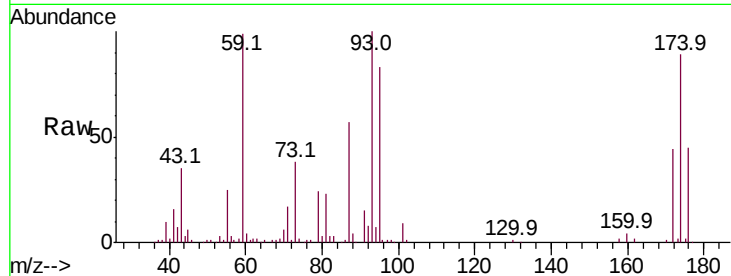
#43
Dibromomethane
Concen: 10.821 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
93	100		
95	79.9	63.9	95.9
174	88.7	71.0	106.4

Manual Integrations
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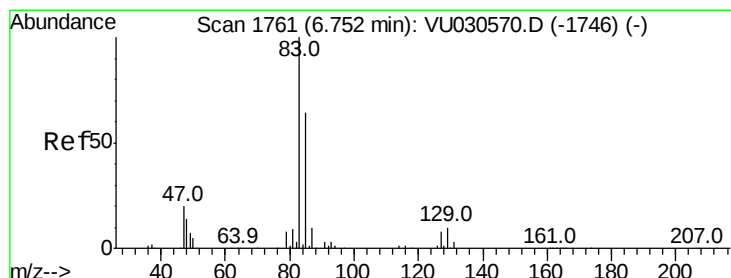
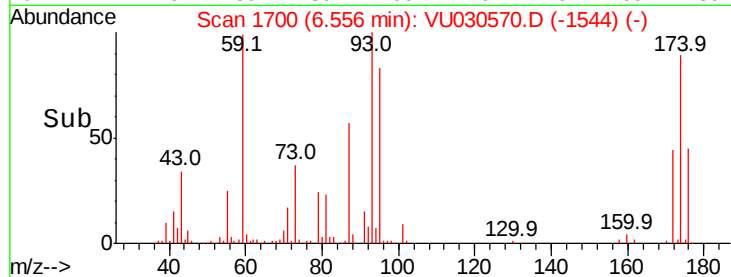
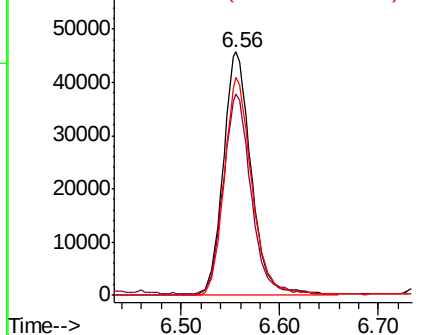


Abundance

Ion 93.00 (92.70 to 93.70): VU030570.D (-1685) (-)

Ion 95.00 (94.70 to 95.70): VU030570.D (-1685) (-)

Ion 174.00 (173.70 to 174.70): VU030570.D (-1685) (-)



#44
Bromodichloromethane
Concen: 11.584 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

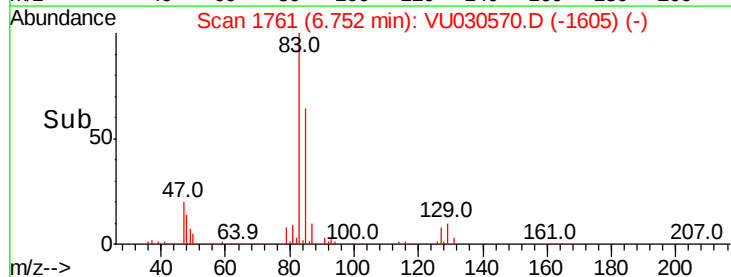
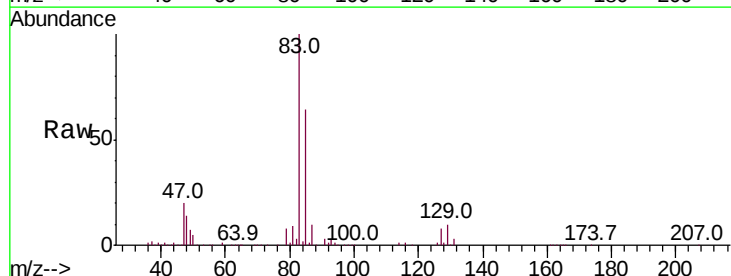
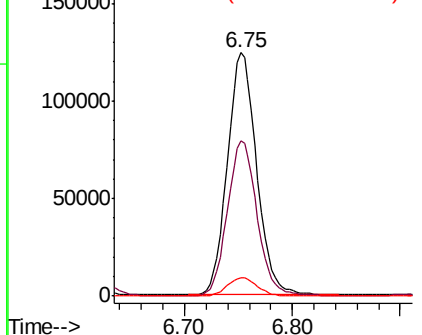
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	7.6	6.1	9.1

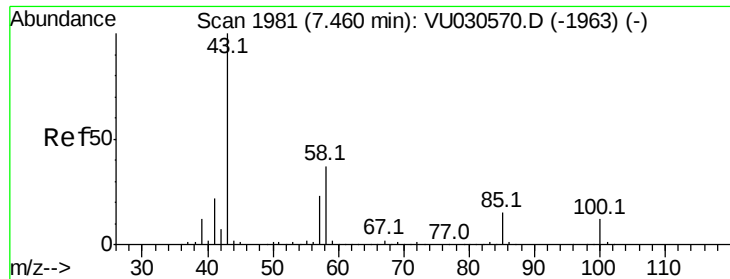
Abundance

Ion 83.00 (82.70 to 83.70): VU030570.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU030570.D (-1746) (-)

Ion 127.00 (126.70 to 127.70): VU030570.D (-1746) (-)





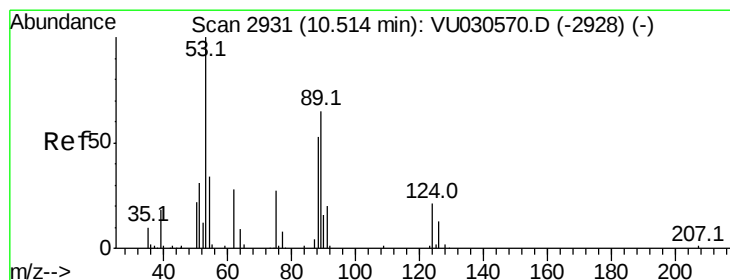
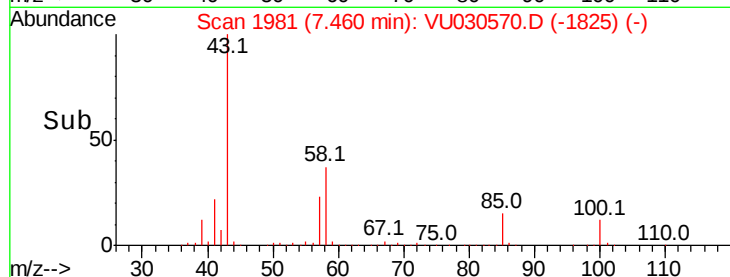
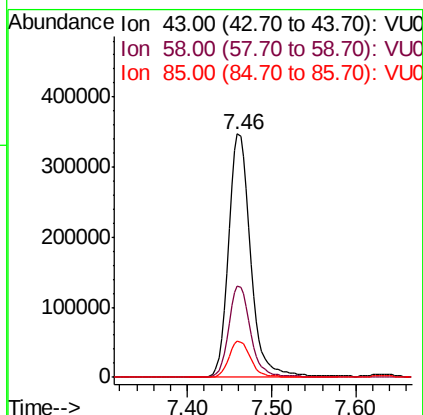
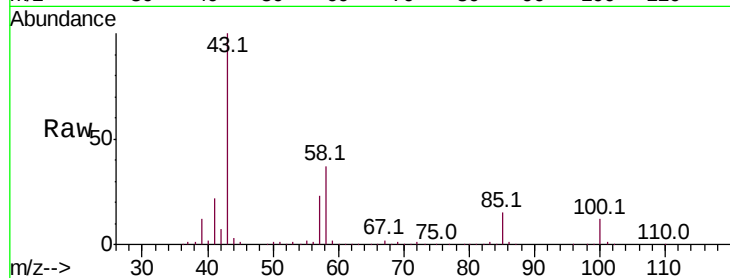
#45
4-Methyl-2-Pentanone
Concen: 71.633 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	18.6	55.8
85	14.7	11.8	17.6

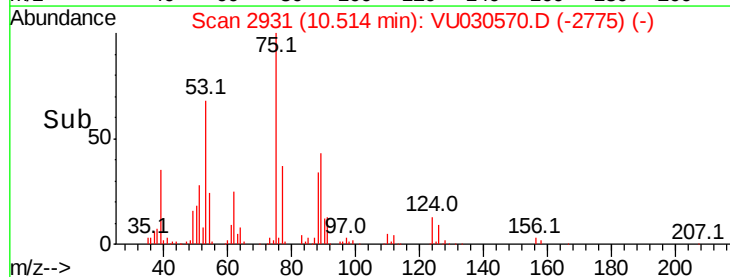
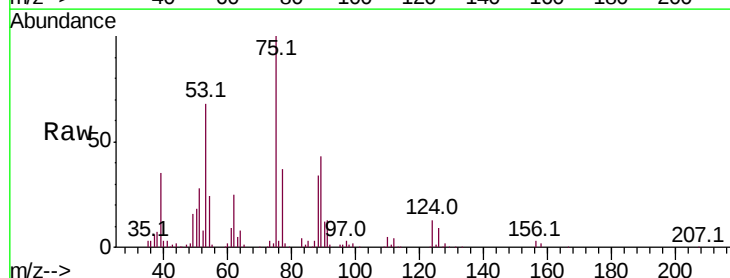
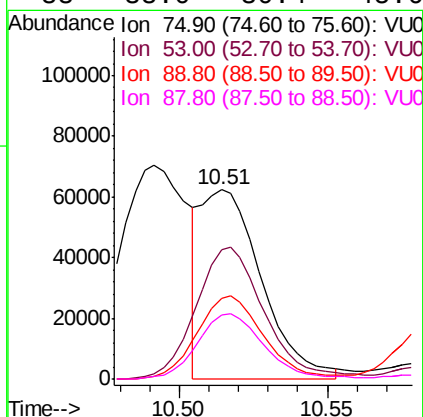
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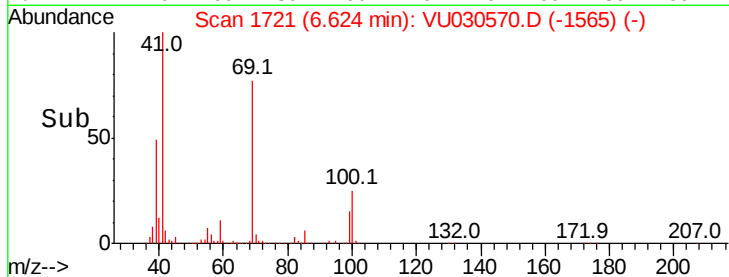
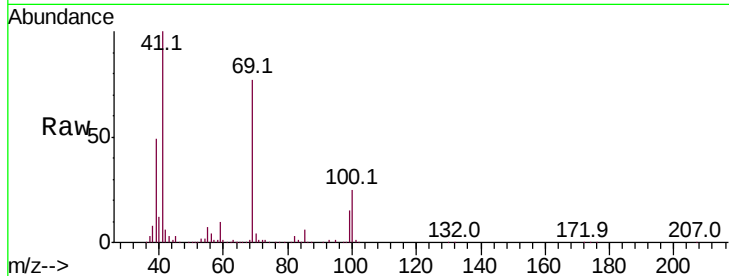
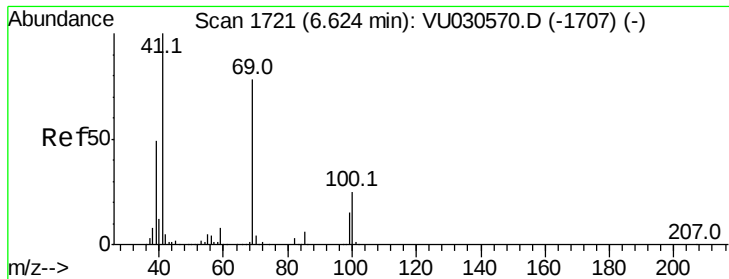
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#46
t-1,4-Dichloro-2-butene
Concen: 27.237 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
53	79.3	63.4	95.2
89	48.9	39.1	58.7
88	38.0	30.4	45.6





#47

Methyl methacrylate

Concen: 24.210 ug/l

RT: 6.62 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	129.0	0.0	258.0		
39	63.7	51.0	76.4		
100	32.4	25.9	38.9		

Instrument :

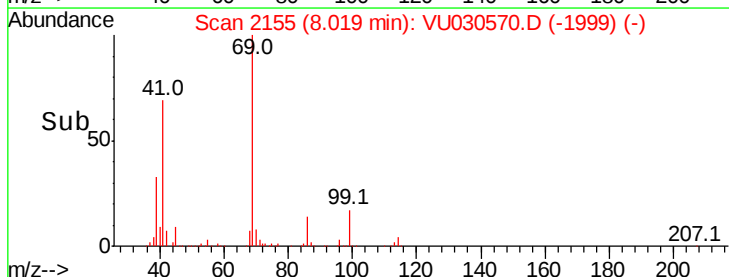
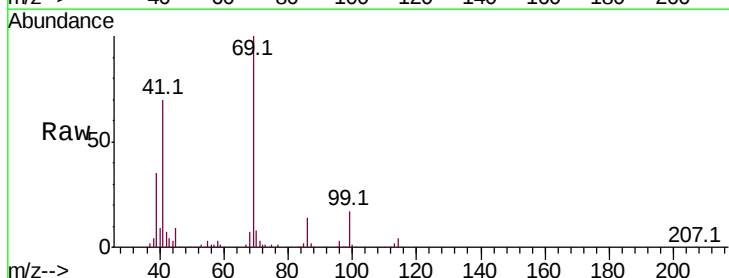
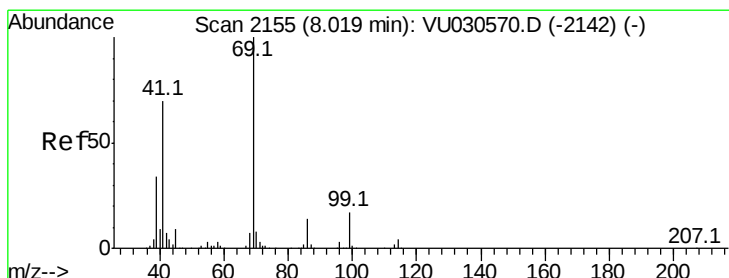
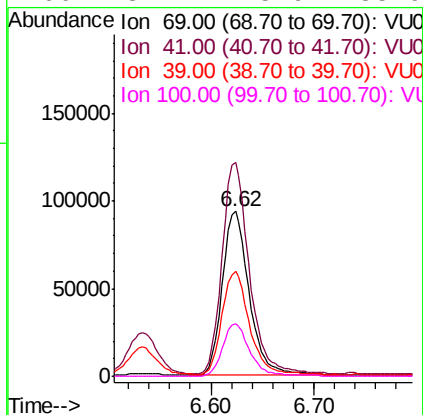
MSVOA_U

ClientSampleId :

VSTDICCC010

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#48

Ethyl methacrylate

Concen: 12.414 ug/l

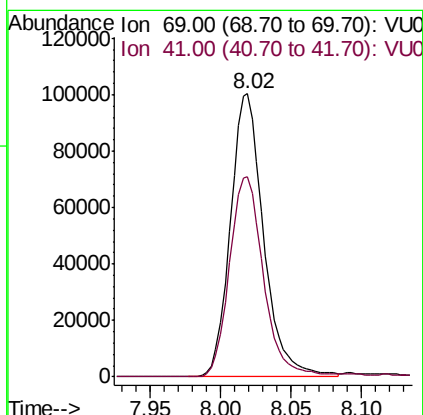
RT: 8.02 min Scan# 2155

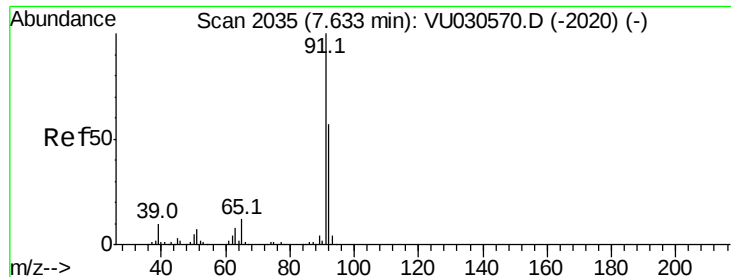
Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	72.3	36.1	108.5		





#49

Toluene

Concen: 10.859 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 413099

Ion Ratio Lower Upper

92 100

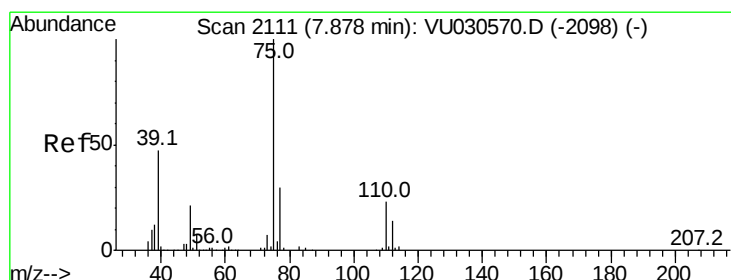
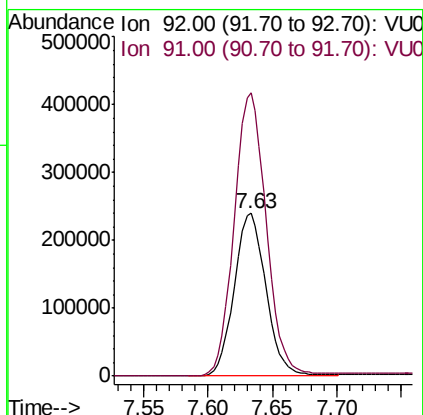
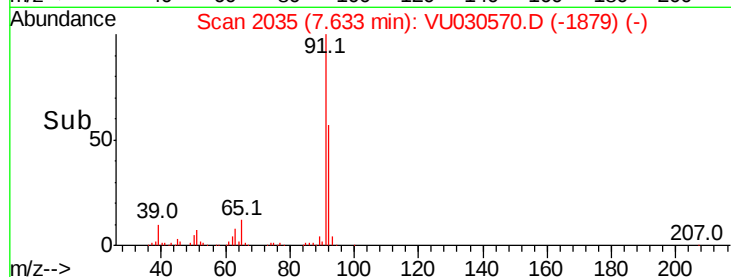
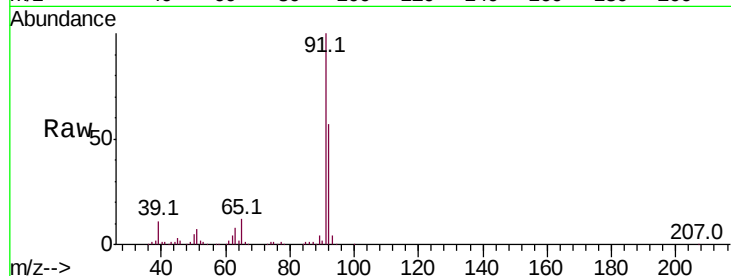
91 175.3 140.2 210.4

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#50

t-1,3-Dichloropropene

Concen: 11.977 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU030570.D

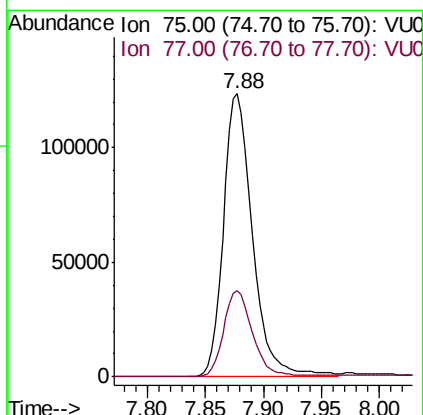
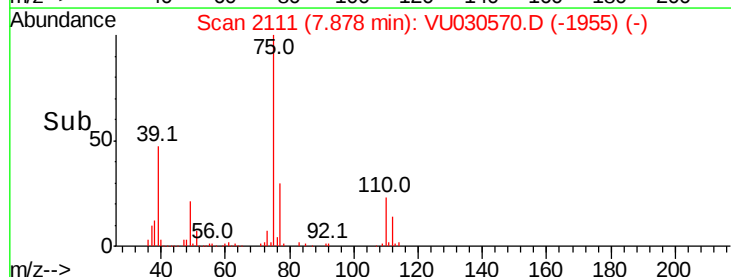
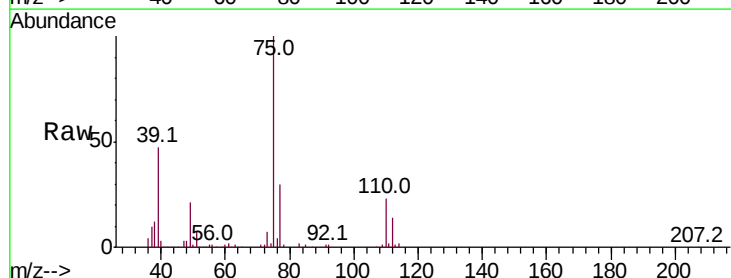
Acq: 30 Mar 2019 11:42

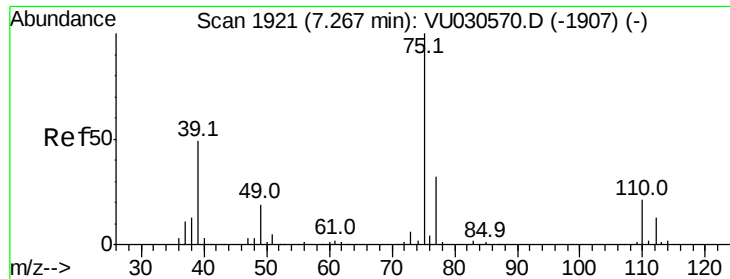
Tgt Ion: 75 Resp: 216216

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6





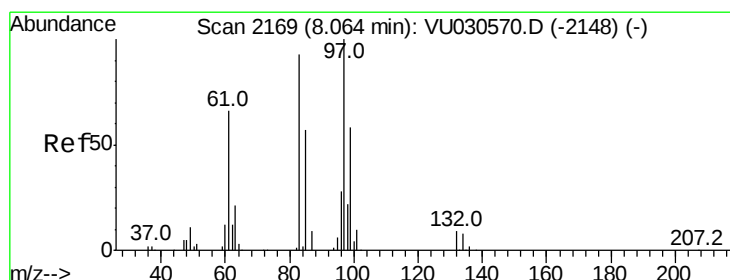
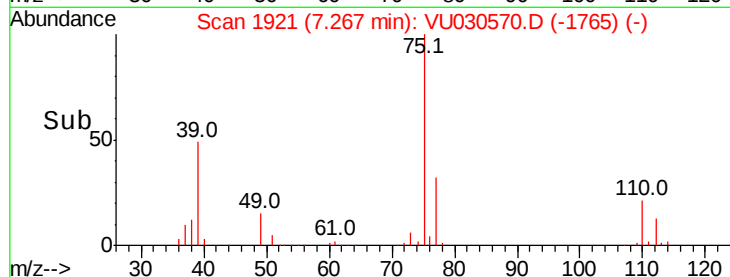
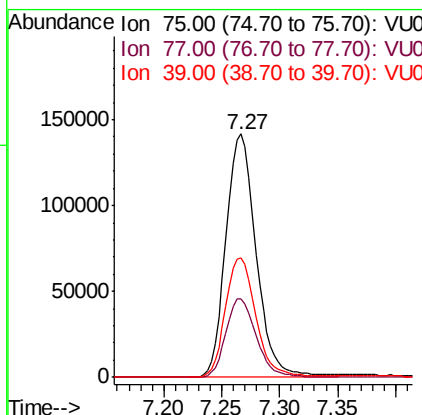
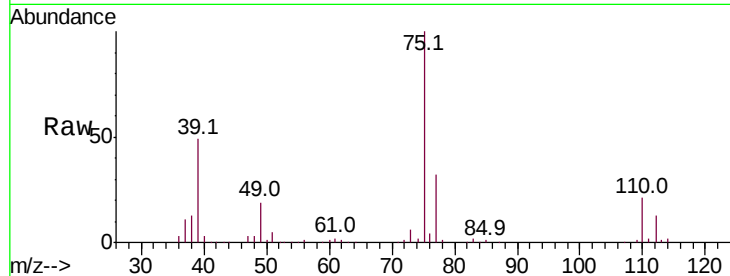
#51
 cis-1,3-Dichloropropene
 Concen: 11.411 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6
39	49.1	39.3	58.9

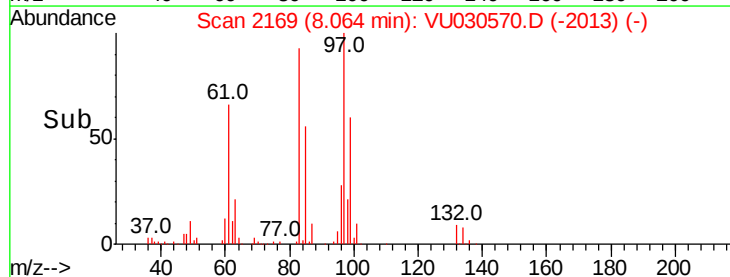
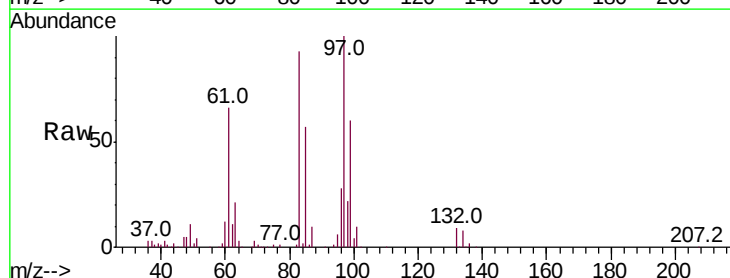
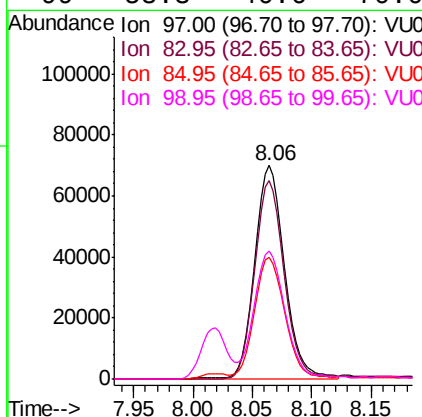
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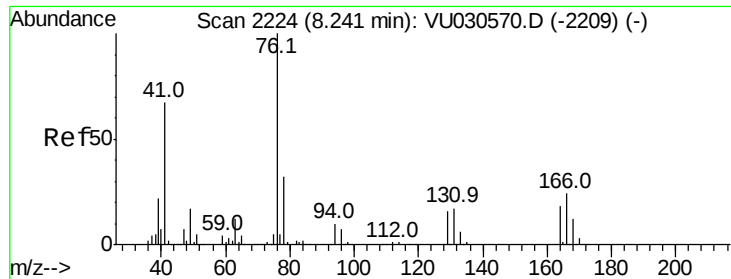
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#52
 1,1,2-Trichloroethane
 Concen: 10.395 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.9	74.3	111.5
85	56.7	45.4	68.0
99	58.3	46.6	70.0





#53

1,3-Dichloropropane

Concen: 11.289 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 225328

Ion Ratio Lower Upper

76 100

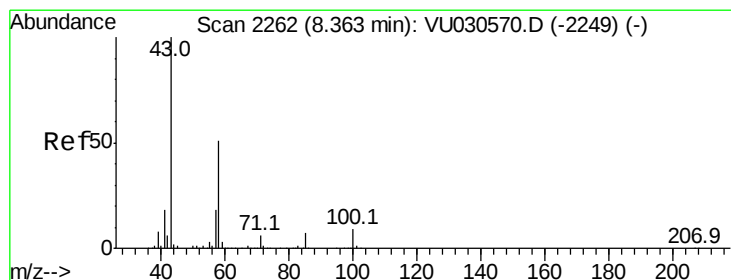
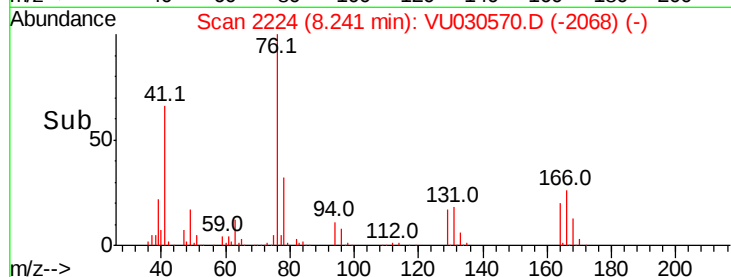
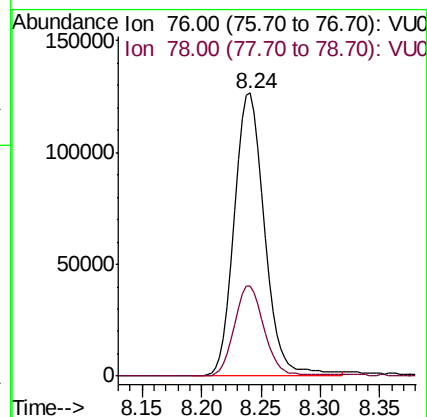
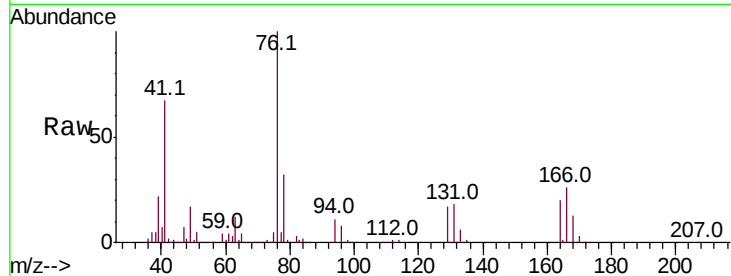
78 31.6 25.3 37.9

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#54

2-Hexanone

Concen: 68.765 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

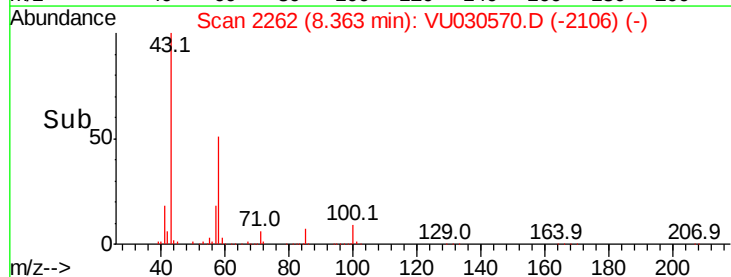
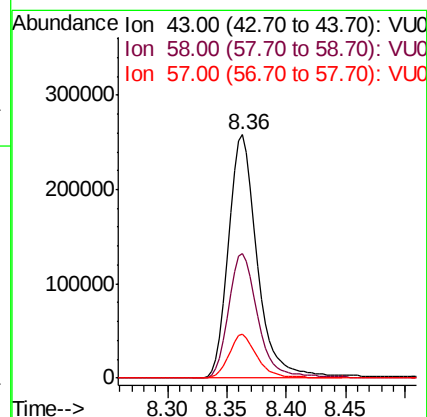
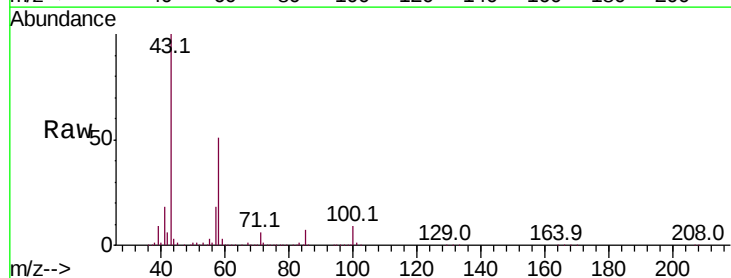
Tgt Ion: 43 Resp: 433611

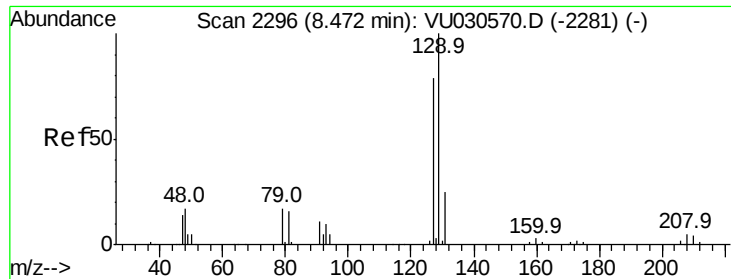
Ion Ratio Lower Upper

43 100

58 52.5 32.5 72.5

57 17.6 0.0 37.6





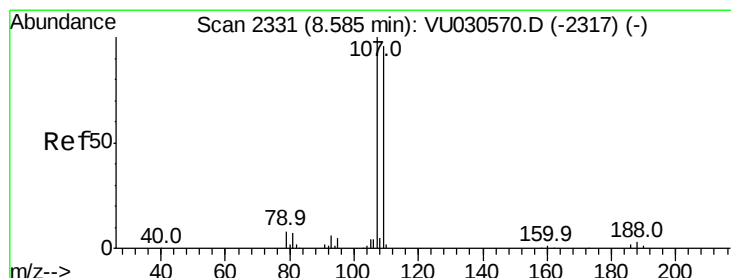
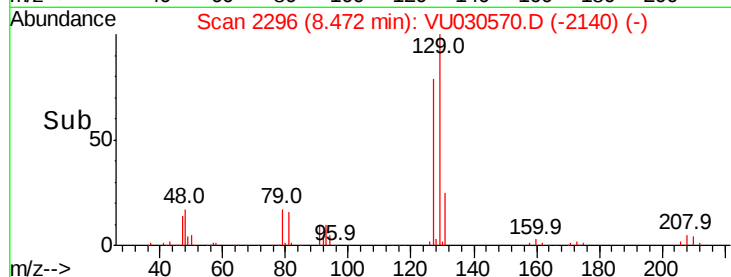
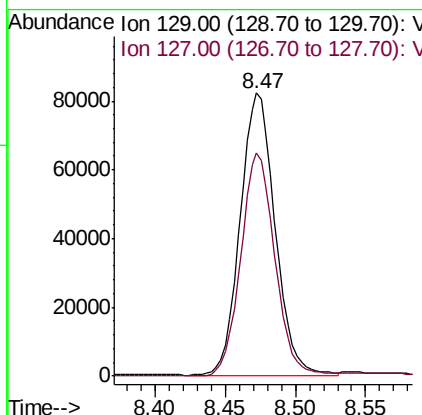
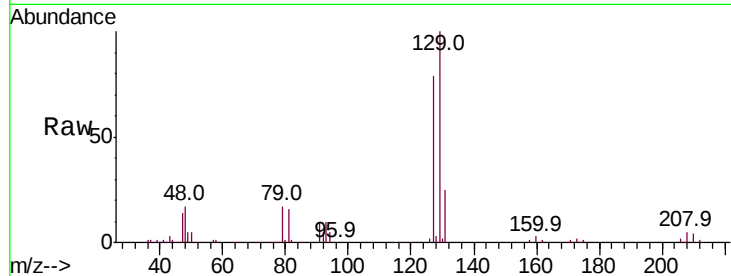
#55
Dibromochloromethane
Concen: 10.157 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:129 Resp: 141878
Ion Ratio Lower Upper
129 100
127 77.8 62.2 93.4

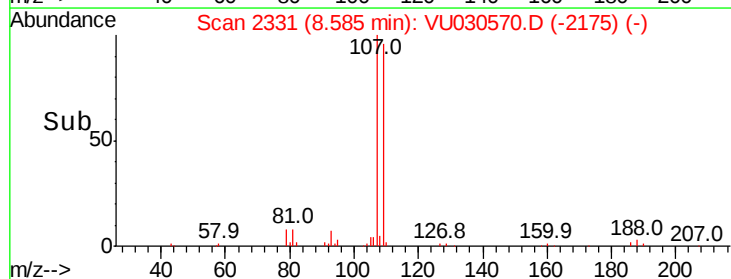
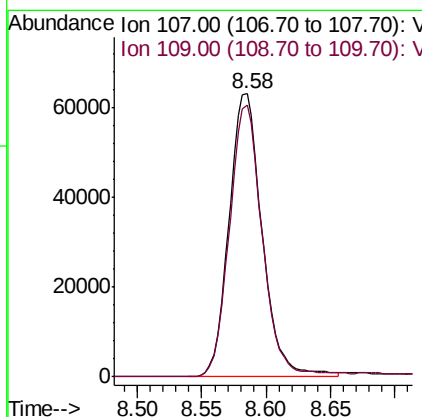
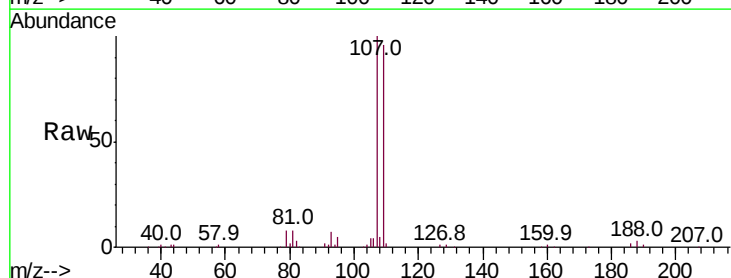
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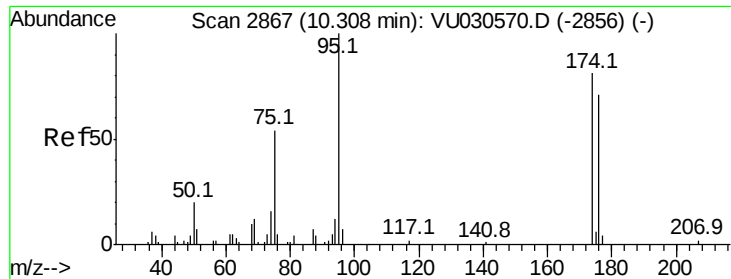
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#56
1,2-Dibromoethane
Concen: 10.087 ug/l
RT: 8.58 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:107 Resp: 112801
Ion Ratio Lower Upper
107 100
109 95.0 0.0 190.0





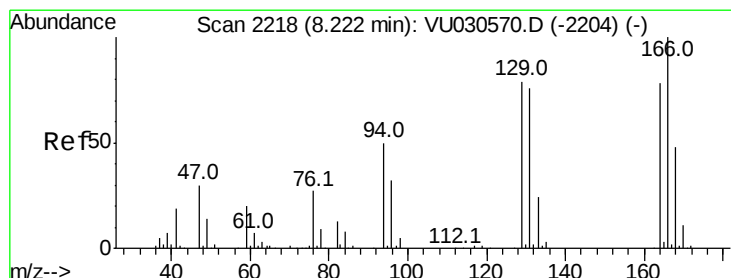
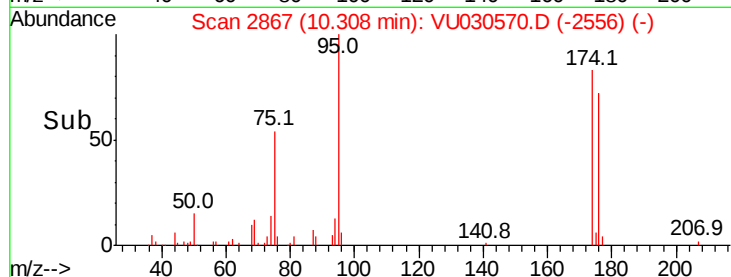
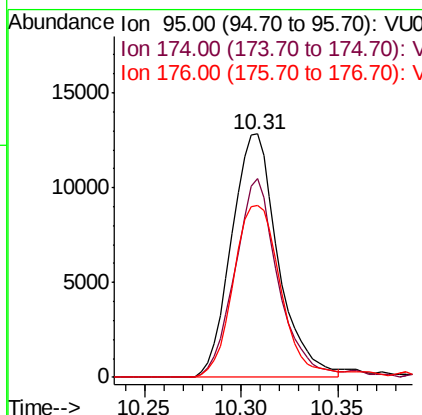
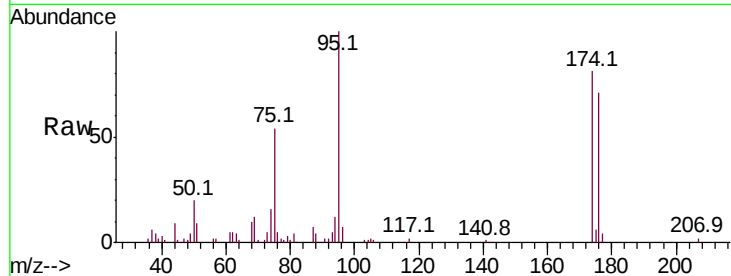
#57
4-Bromofluorobenzene
Concen: 10.087 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.6	60.5	90.7
176	72.4	57.9	86.9

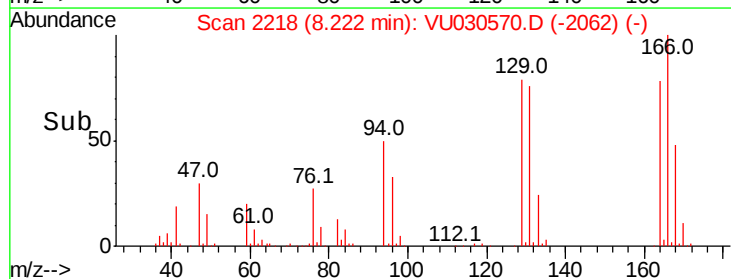
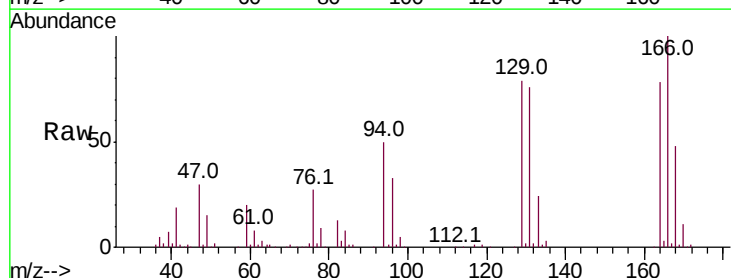
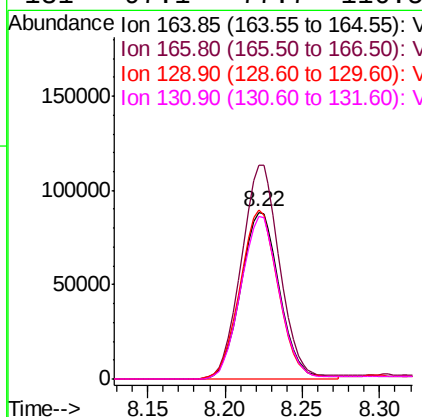
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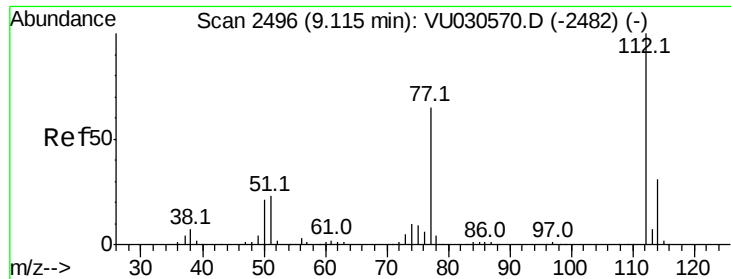
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#58
Tetrachloroethene
Concen: 9.503 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.4	153.6
129	101.7	81.4	122.0
131	97.1	77.7	116.5





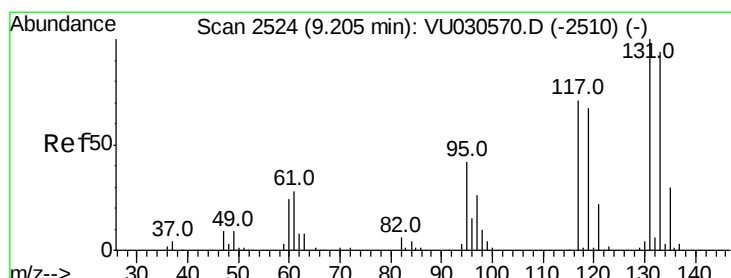
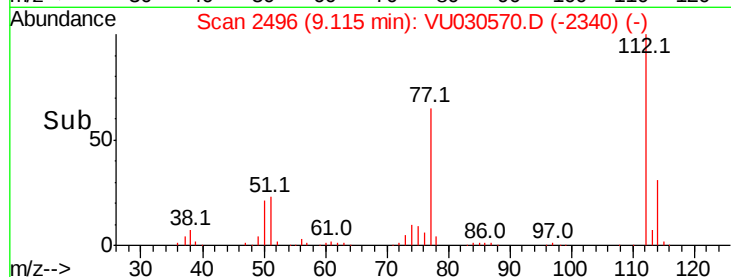
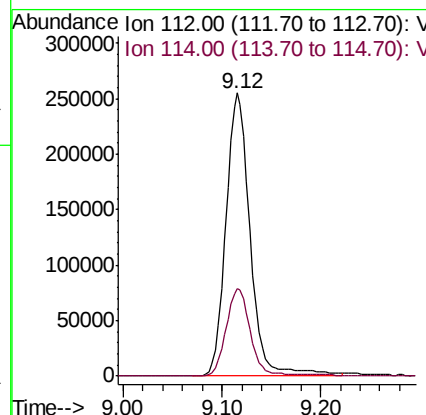
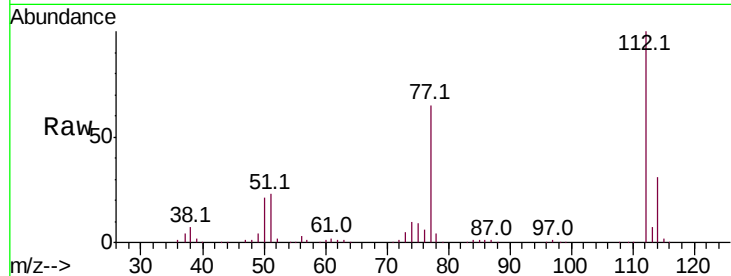
#59
Chlorobenzene
Concen: 10.248 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:112 Resp: 441727
Ion Ratio Lower Upper
112 100
114 31.1 24.9 37.3

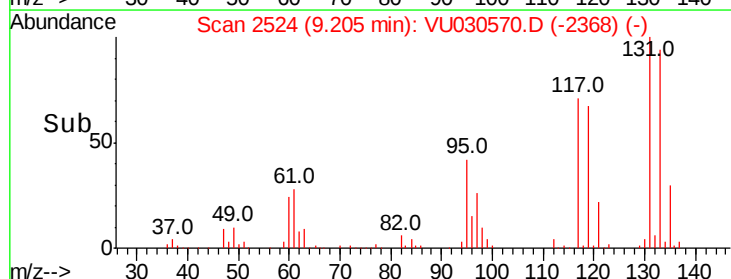
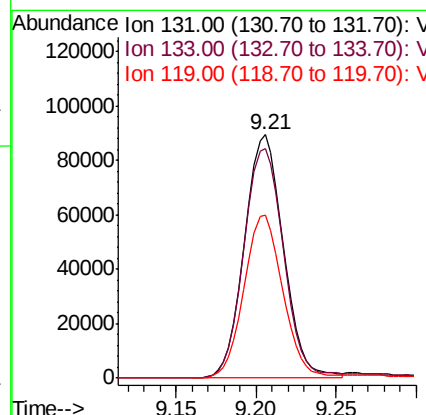
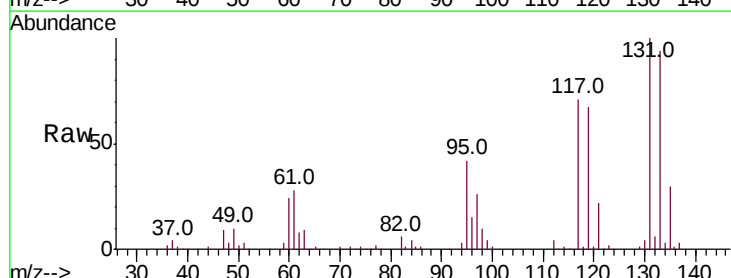
Manual Integrations
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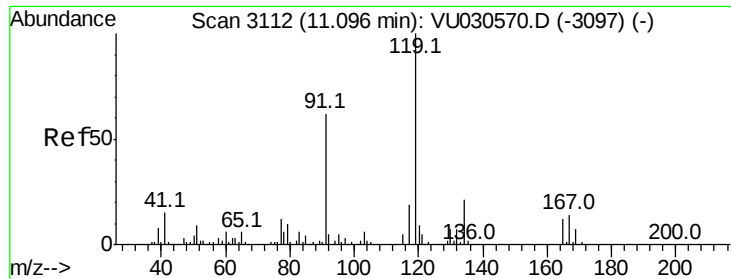
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 9.842 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion:131 Resp: 148843
Ion Ratio Lower Upper
131 100
133 96.9 77.5 116.3
119 66.5 53.2 79.8





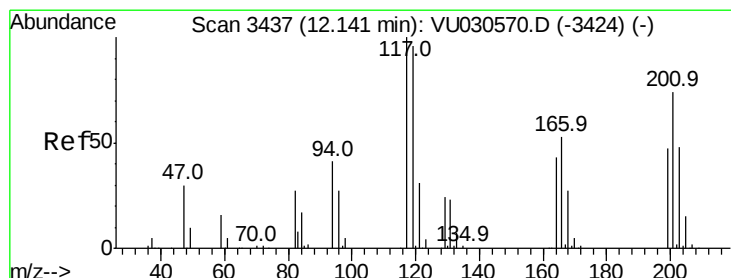
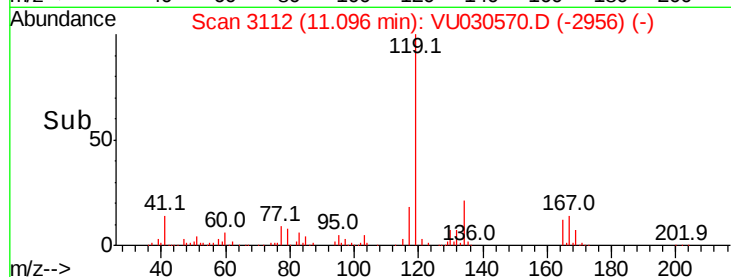
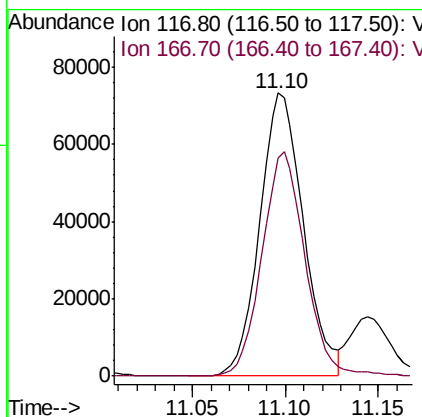
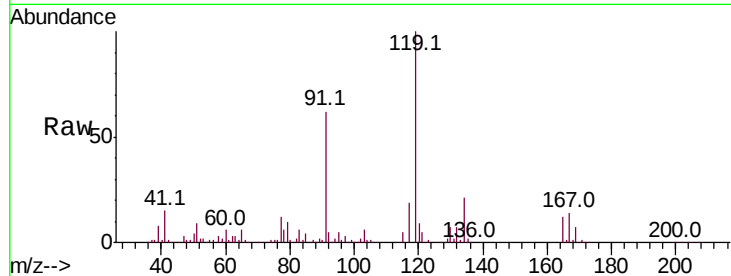
#61
 Pentachloroethane
 Concen: 10.245 ug/l
 RT: 11.10 min Scan# 3112
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
167	78.2	62.6	93.8

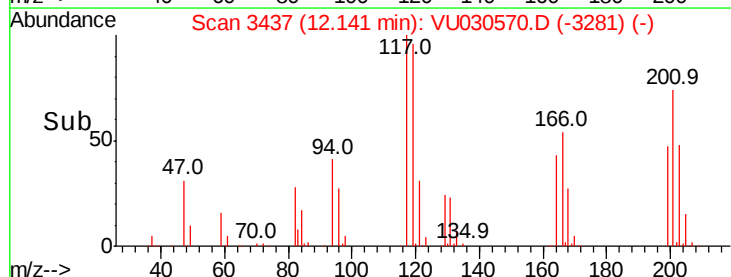
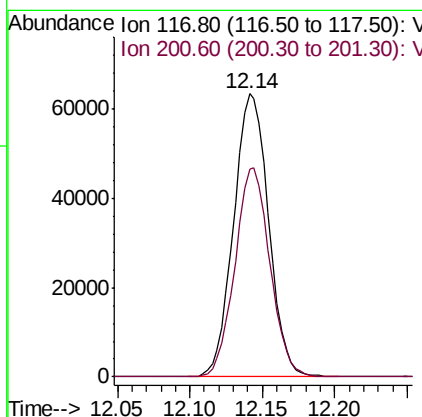
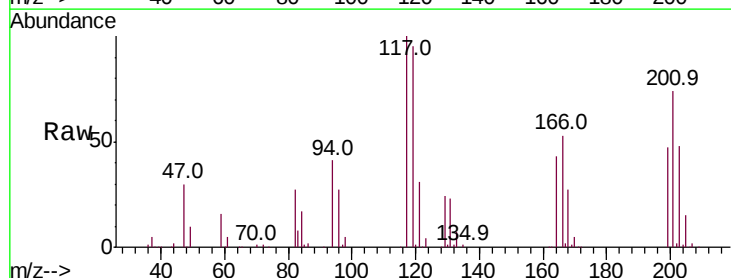
Manual Integrations
 APPROVED

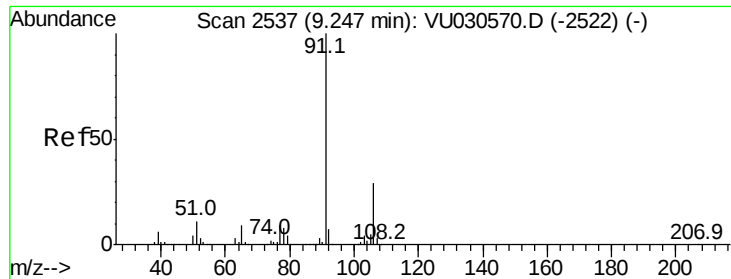
MMDadoda
 4/5/2019 2:38:13 PM



#62
 Hexachloroethane
 Concen: 9.239 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	59.1	88.7





#63

Ethyl Benzene

Concen: 11.262 ug/l

RT: 9.25 min Scan# 2537

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 808952

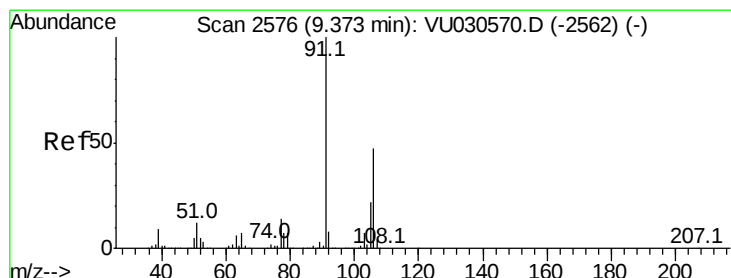
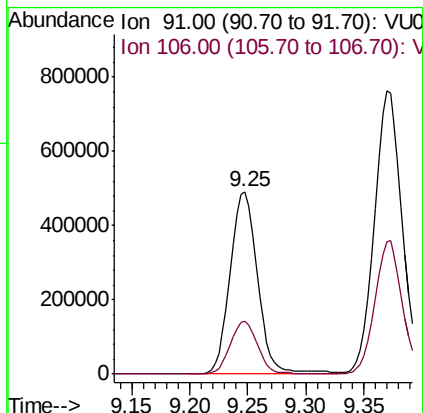
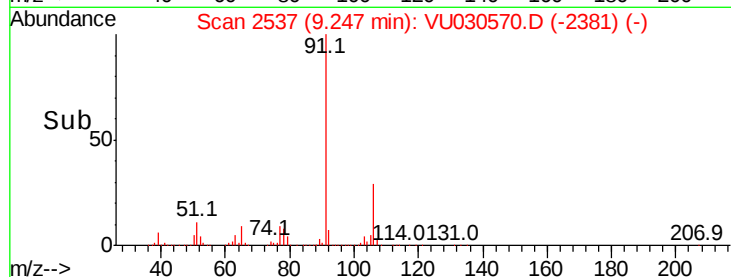
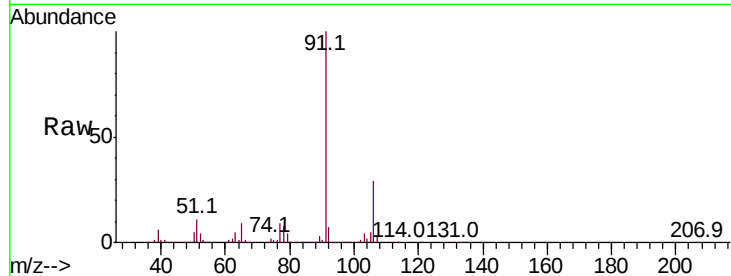
Ion Ratio Lower Upper

91 100

106 28.9 23.1 34.7

Manual Integrations
APPROVED

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#64

m/p-Xylenes

Concen: 21.245 ug/l

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU030570.D

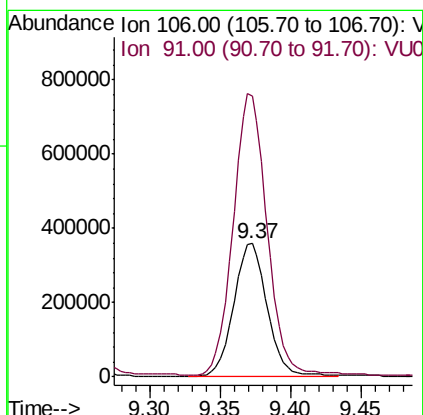
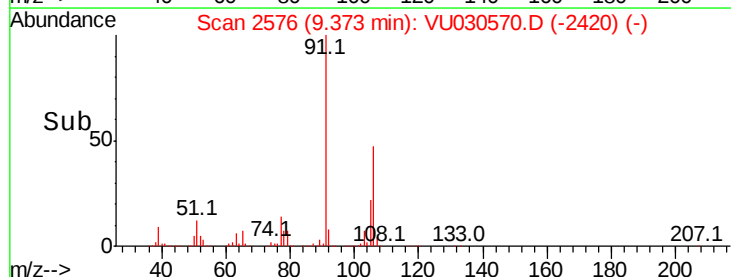
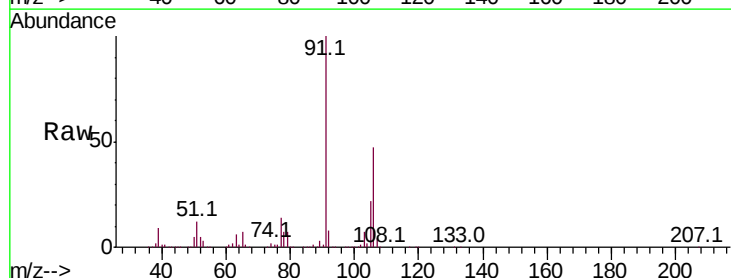
Acq: 30 Mar 2019 11:42

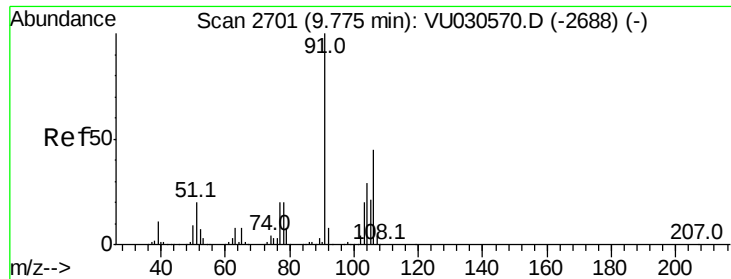
Tgt Ion: 106 Resp: 589660

Ion Ratio Lower Upper

106 100

91 224.2 179.4 269.0





#65

o-Xylene

Concen: 10.388 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:106 Resp: 282515

Ion Ratio Lower Upper

106 100

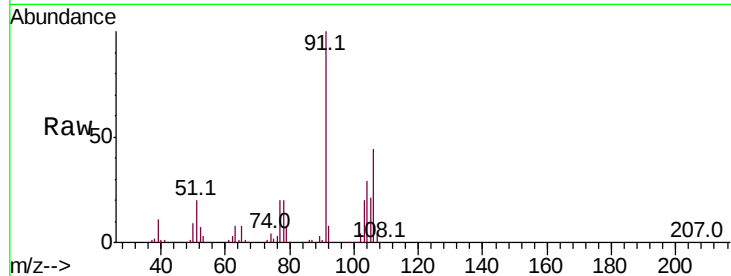
91 230.9 115.5 346.4

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

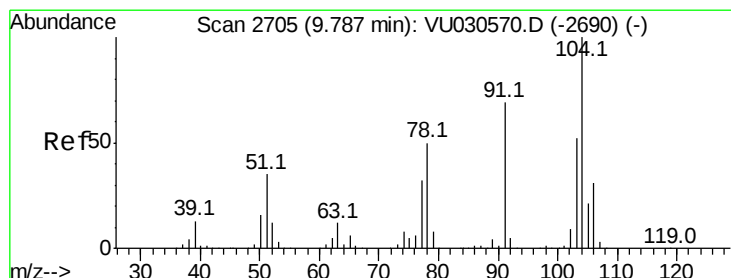
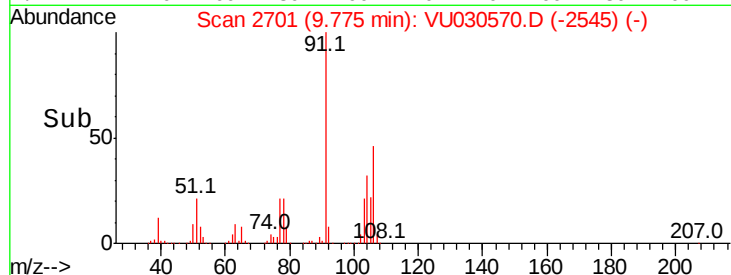
200000

100000

0

9.70 9.75 9.80 9.85

Time-->



#66

Styrene

Concen: 11.144 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

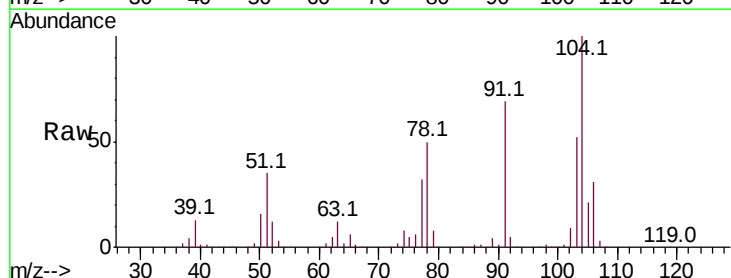
Tgt Ion:104 Resp: 500798

Ion Ratio Lower Upper

104 100

78 52.9 42.3 63.5

103 55.9 44.7 67.1



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

400000

300000

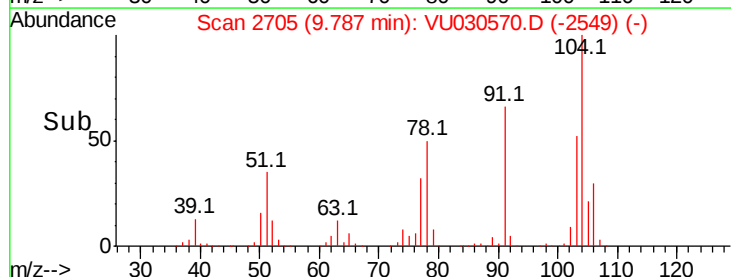
200000

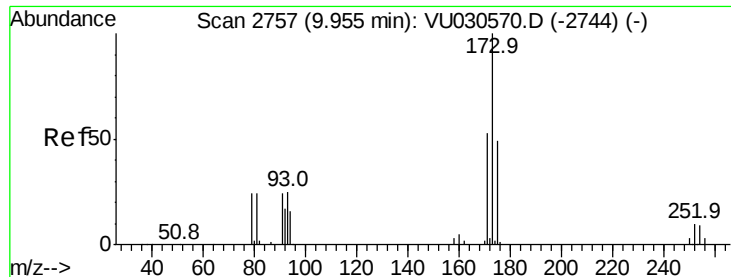
100000

0

9.70 9.75 9.80 9.85

Time-->





#67

Bromoform

Concen: 10.072 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

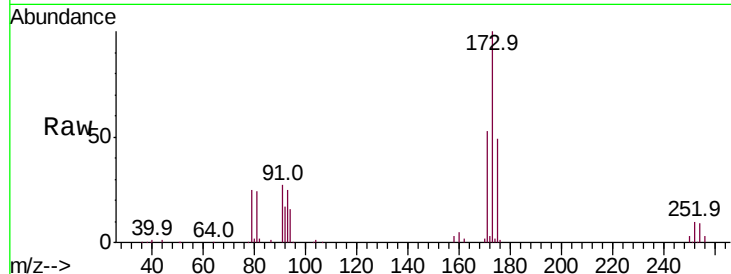
ClientSampleId :

VSTDICCC010

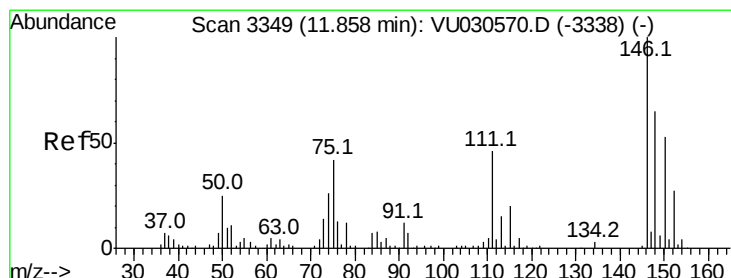
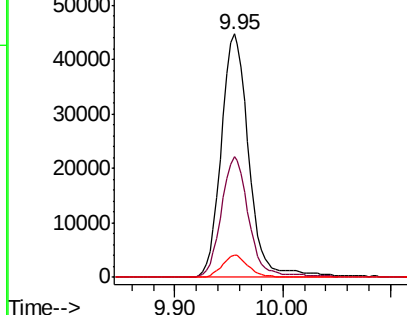
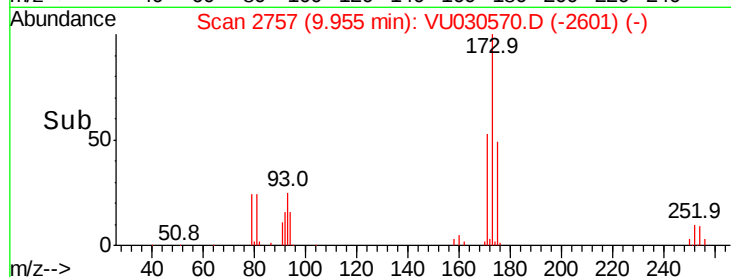
Tot Ion:	173	Resp:	79729
Ion Ratio	Lower	Upper	
173	100		
175	48.2	38.6	57.8
254	8.6	6.9	10.3

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



#68

1,2-Dichlorobenzene-d4

Concen: 10.072 ug/l

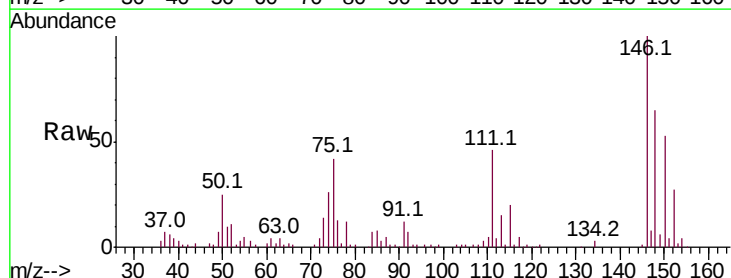
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

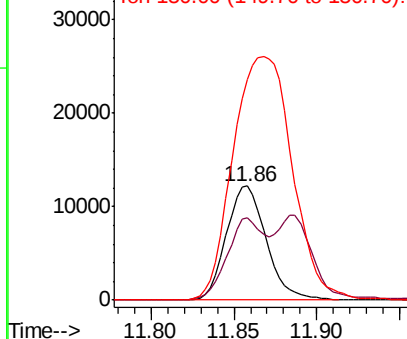
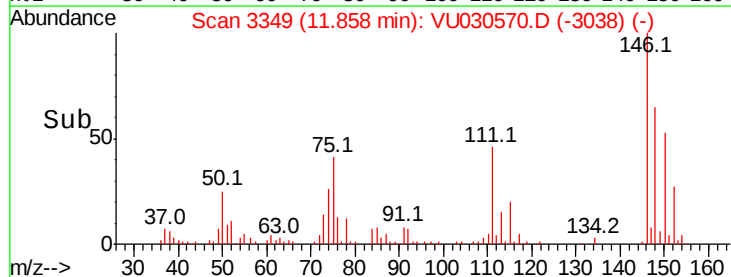
Lab File: VU030570.D

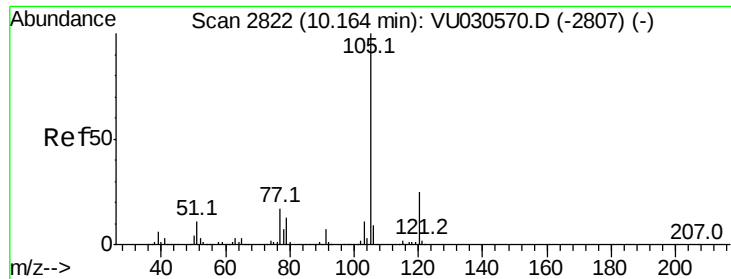
Acq: 30 Mar 2019 11:42

Tgt Ion:	152	Resp:	20456
Ion Ratio	Lower	Upper	
152	100		
115	68.1	0.0	136.2
150	317.3	0.0	634.6



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





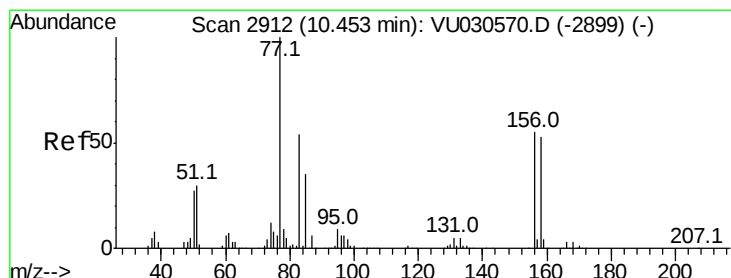
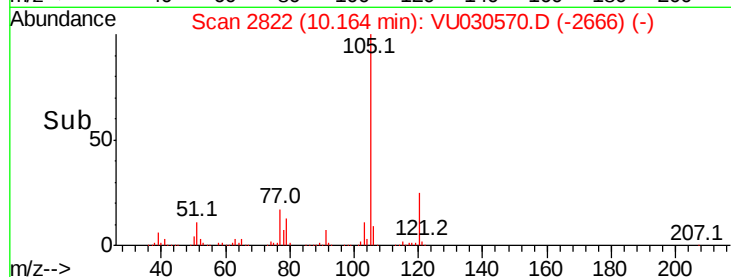
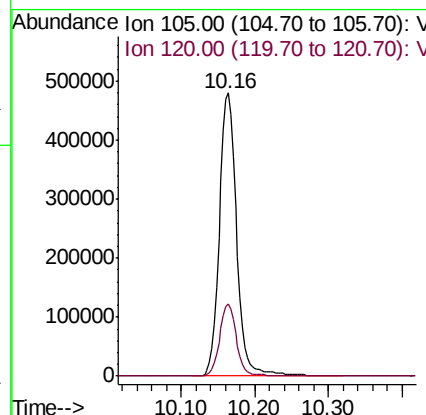
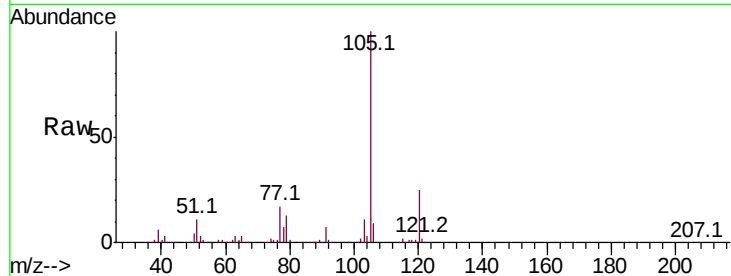
#69
Isopropylbenzene
Concen: 10.856 ug/l
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.1	12.6	37.6

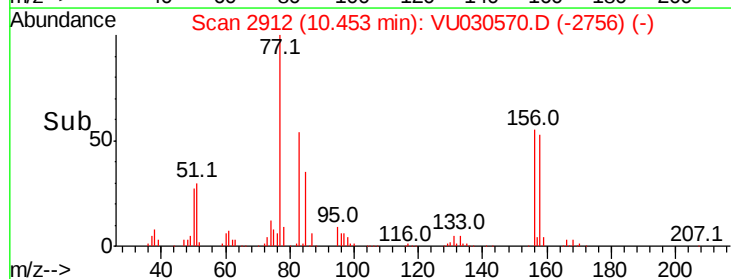
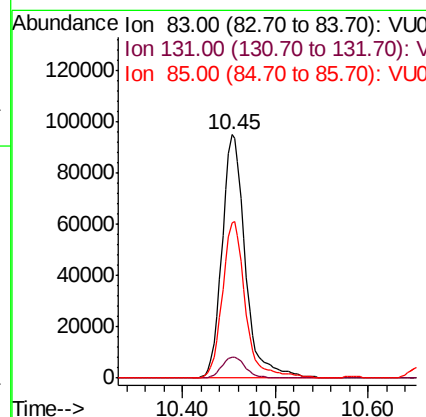
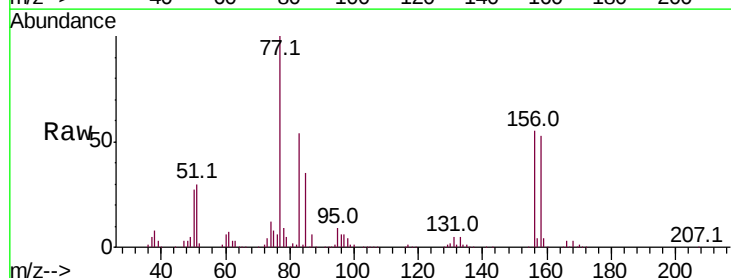
Manual Integrations
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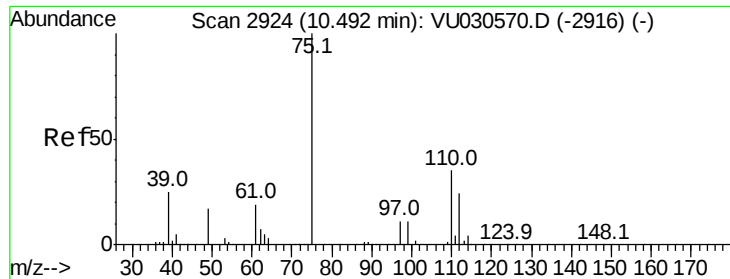
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#70
1,1,2,2-Tetrachloroethane
Concen: 11.248 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
131	8.8	7.0	10.6
85	63.7	51.0	76.4





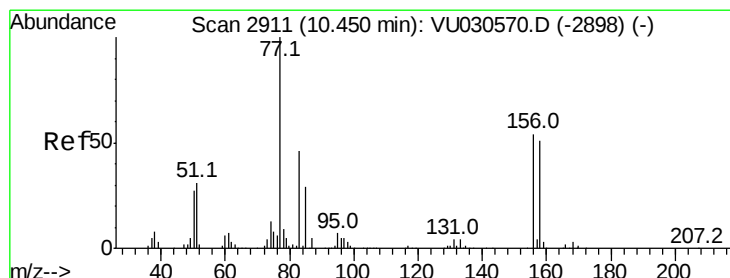
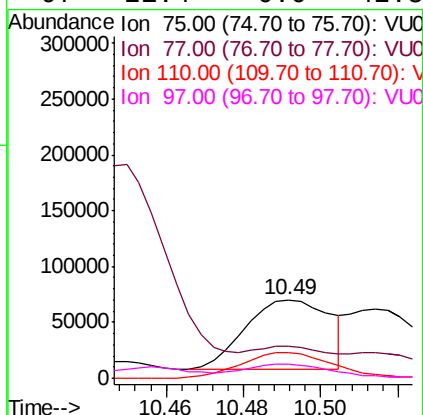
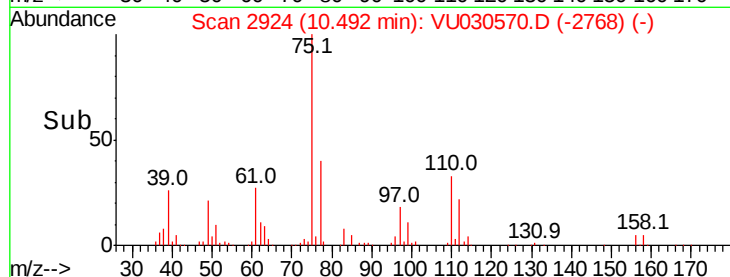
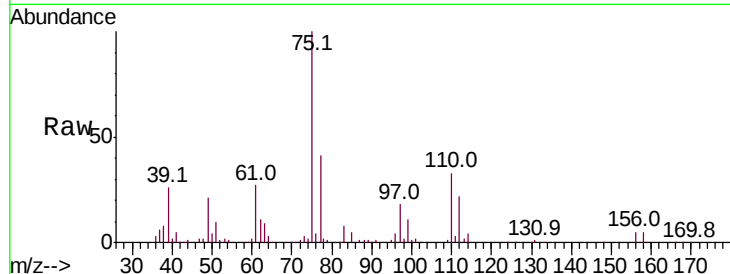
#71
 1,2,3-Trichloropropane
 Concen: 8.915 ug/l
 RT: 10.49 min Scan# 2924
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	75	Resp	95074
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0
110	41.9	0.0	83.8
97	21.4	0.0	42.8

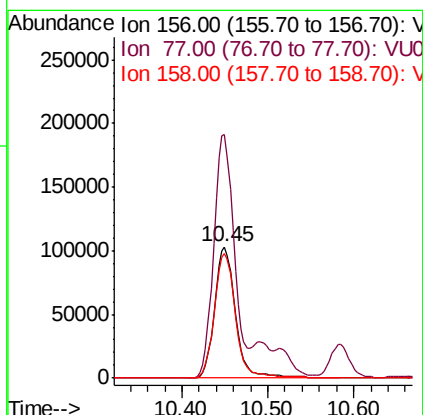
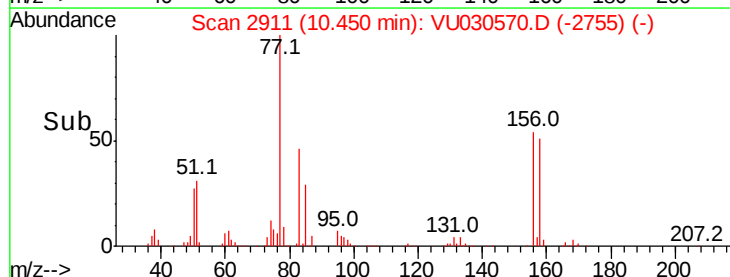
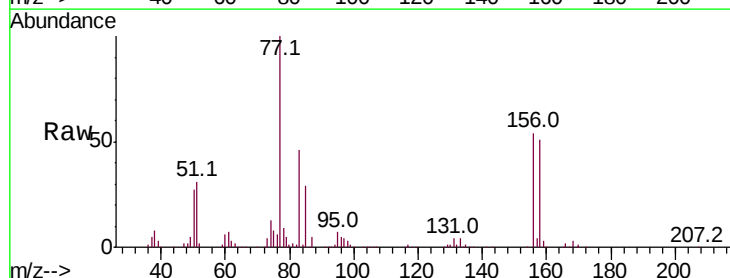
Manual Integrations
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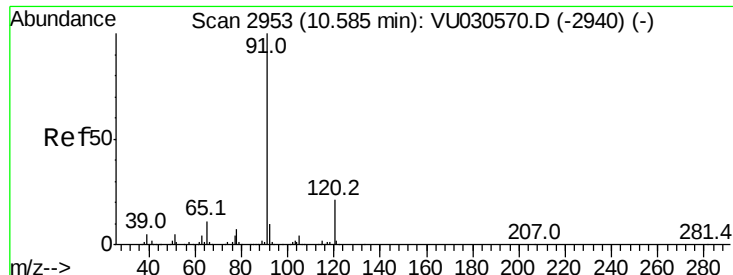
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#72
 Bromobenzene
 Concen: 9.553 ug/l
 RT: 10.45 min Scan# 2911
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	156	Resp	175487
Ion Ratio	Lower	Upper	
156	100		
77	181.5	0.0	363.0
158	96.6	0.0	193.2





#73

n-propylbenzene

Concen: 10.438 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 209343

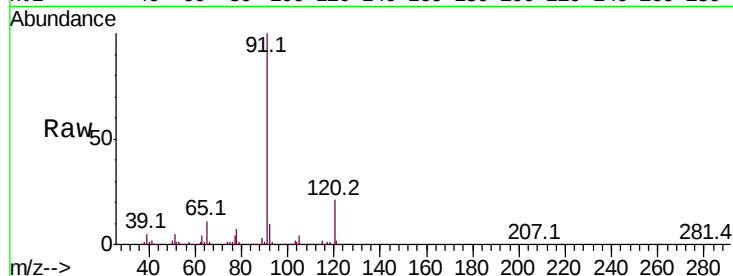
Ion Ratio Lower Upper

120 100

91 464.5 371.6 557.4

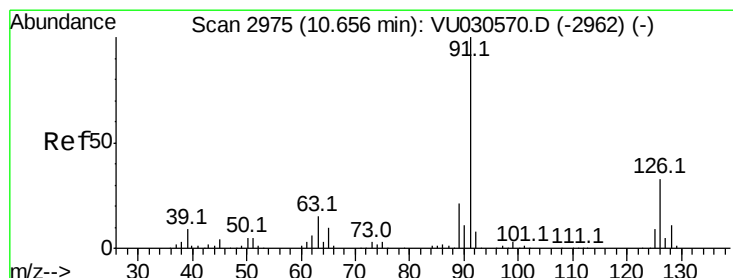
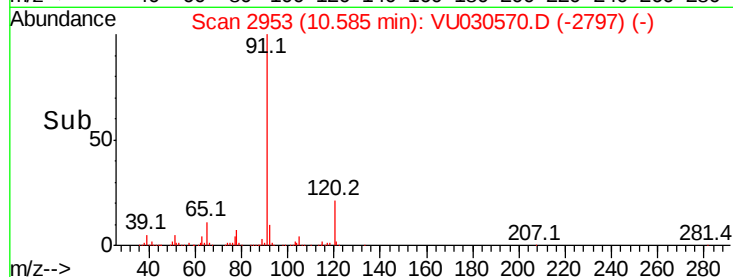
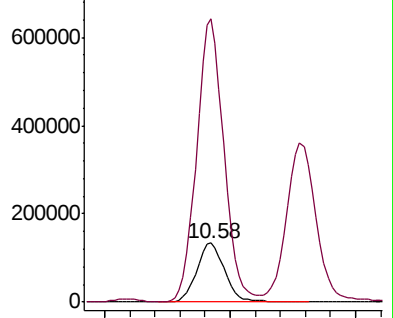
Manual Integrations
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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 10.325 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. 0.00 min

Lab File: VU030570.D

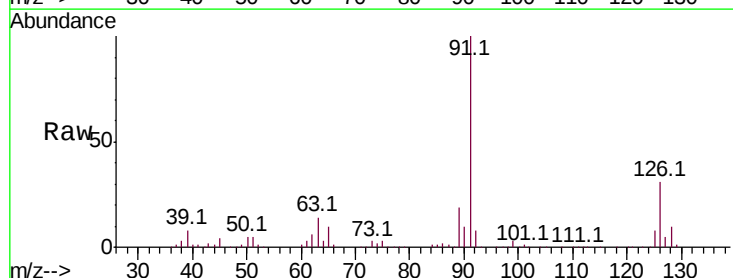
Acq: 30 Mar 2019 11:42

Tgt Ion:126 Resp: 182097

Ion Ratio Lower Upper

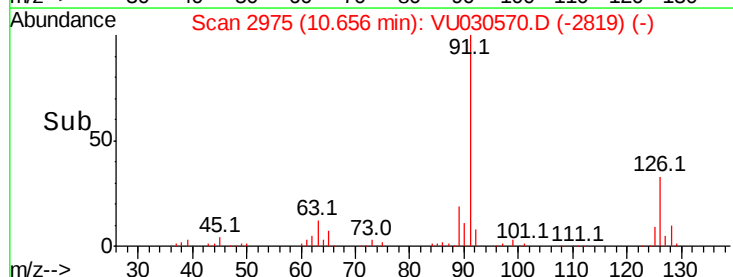
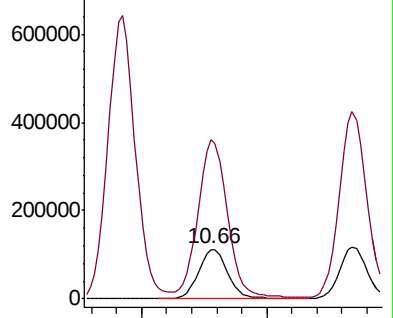
126 100

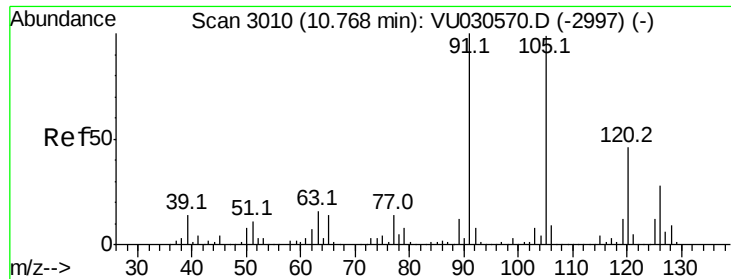
91 328.4 0.0 656.8



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: 10.877 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 660815

Ion Ratio Lower Upper

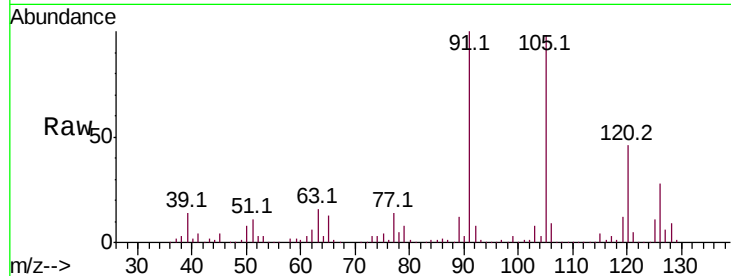
105 100

120 47.0 37.6 56.4

Manual Integrations
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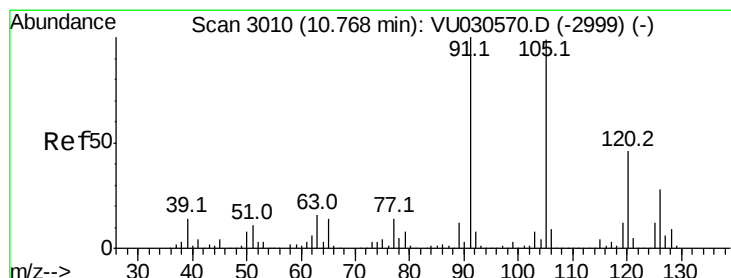
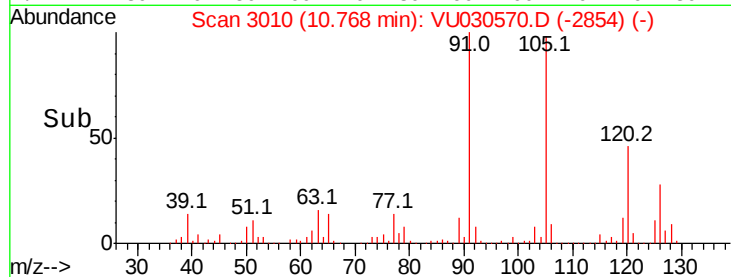
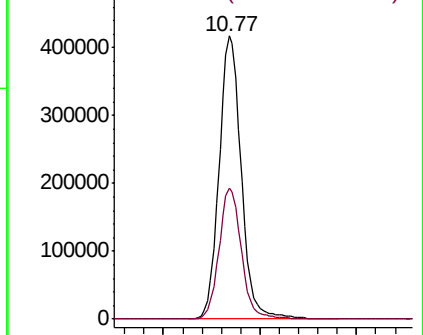
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 10.366 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU030570.D

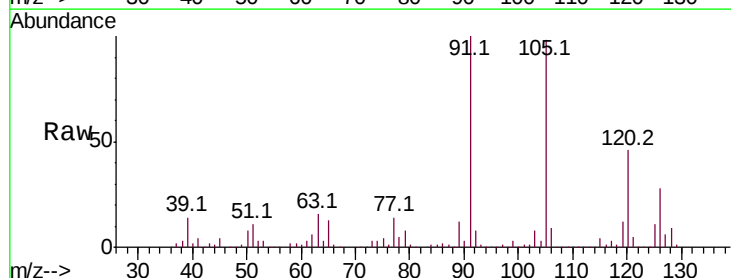
Acq: 30 Mar 2019 11:42

Tgt Ion:126 Resp: 185962

Ion Ratio Lower Upper

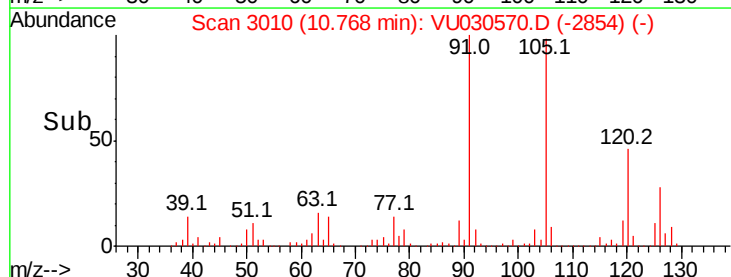
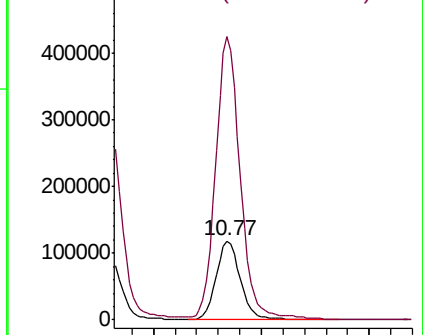
126 100

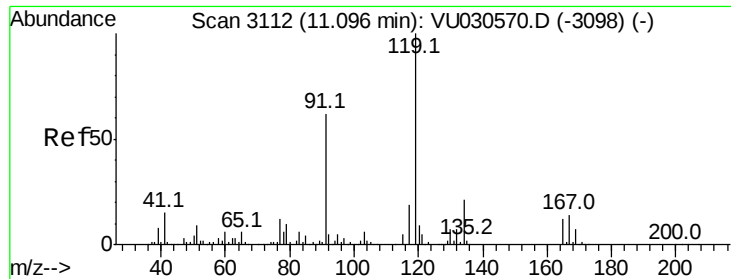
91 360.8 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 10.410 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

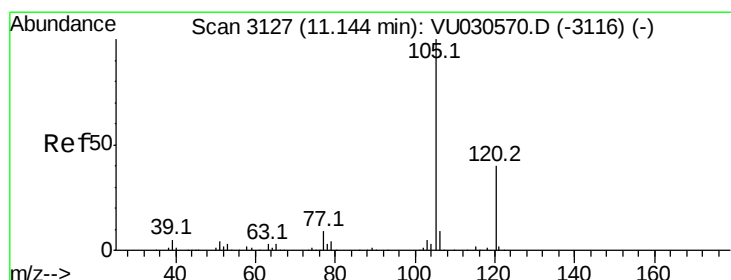
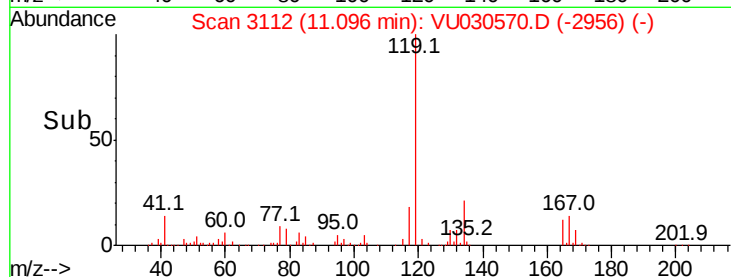
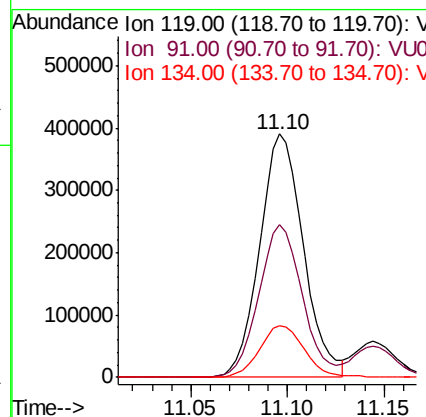
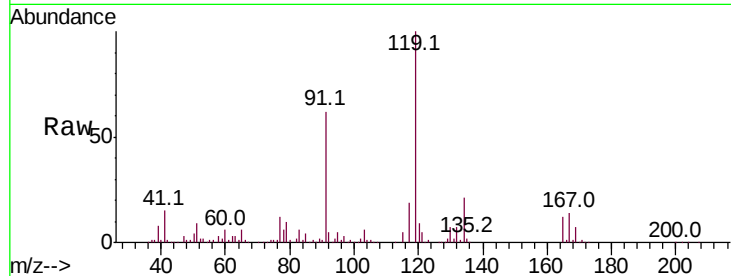
ClientSampleId :

VSTDICCC010

Tot Ion:	119	Resp:	615493
Ion Ratio	Lower	Upper	
119	100		
91	61.9	30.9	92.8
134	22.0	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 10.799 ug/l

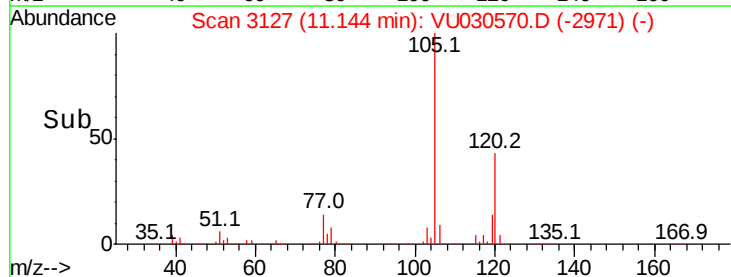
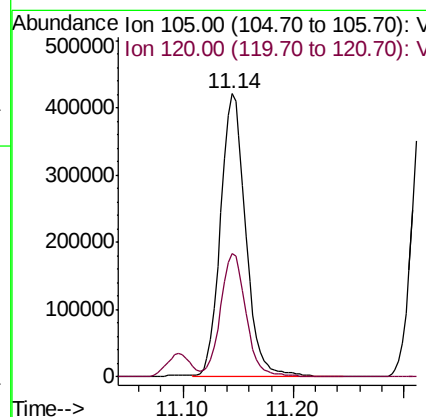
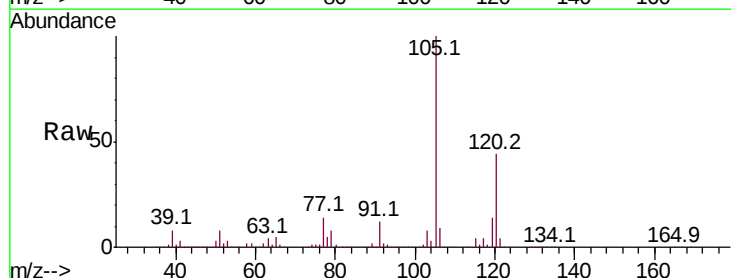
RT: 11.14 min Scan# 3127

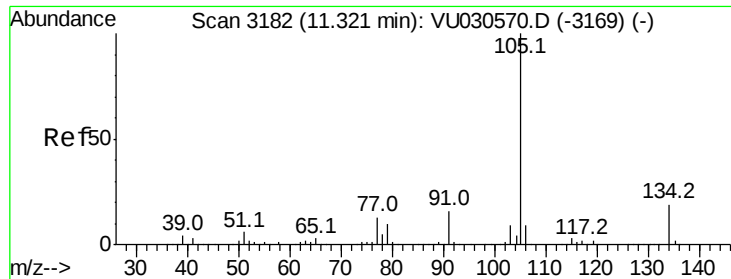
Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion:	105	Resp:	665203
Ion Ratio	Lower	Upper	
105	100		
120	44.3	22.1	66.5





#79

sec-Butylbenzene

Concen: 10.597 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 840697

Ion Ratio Lower Upper

105 100

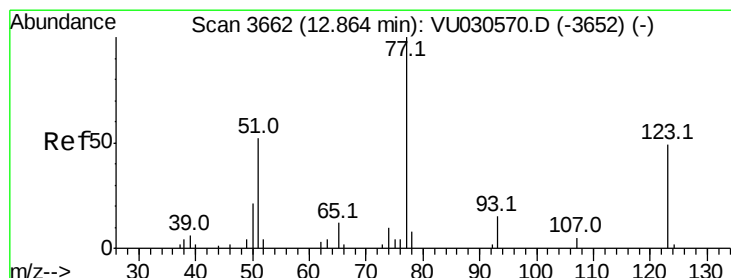
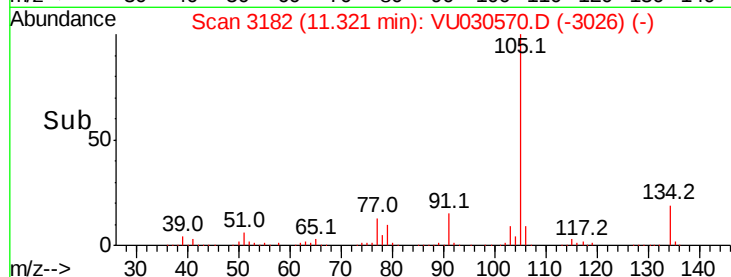
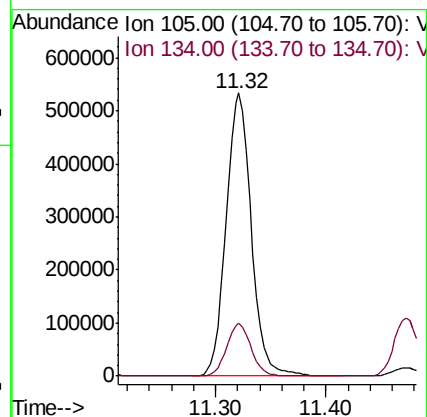
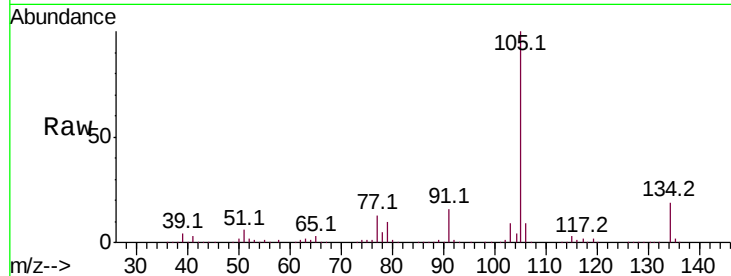
134 18.4 14.7 22.1

Manual Integrations

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#80

Nitrobenzene

Concen: 54.751 ug/l m

RT: 12.86 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

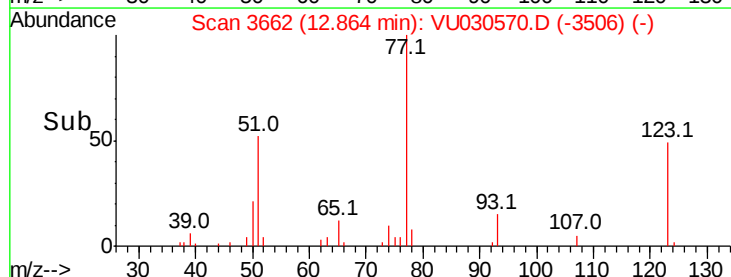
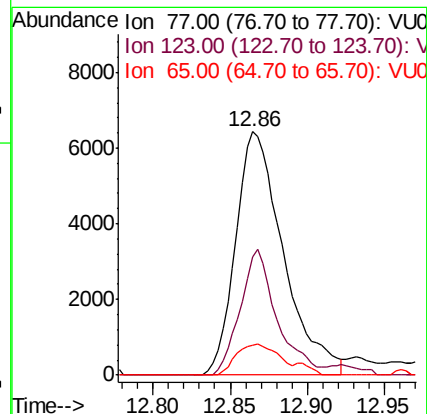
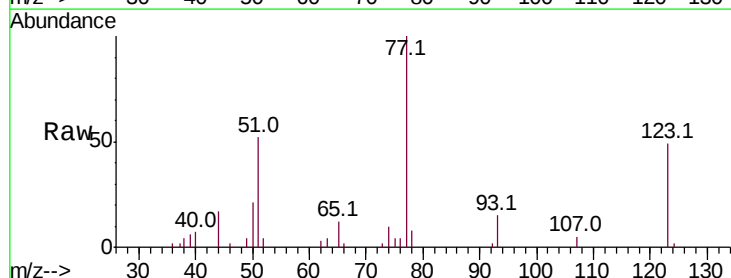
Tgt Ion: 77 Resp: 13853

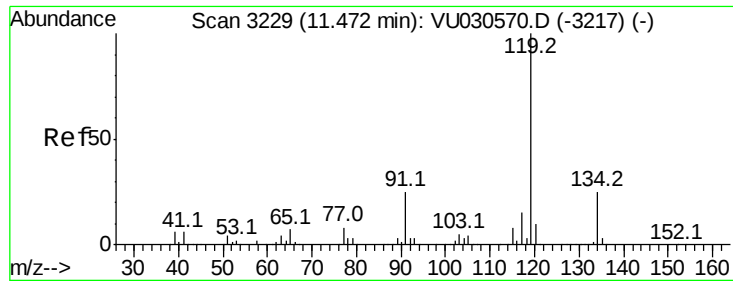
Ion Ratio Lower Upper

77 100

123 36.8 17.5 62.1

65 8.5 8.1 10.3





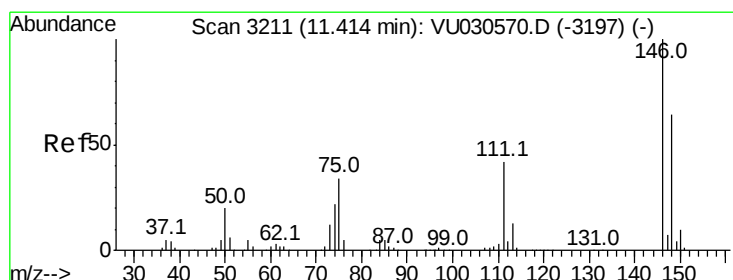
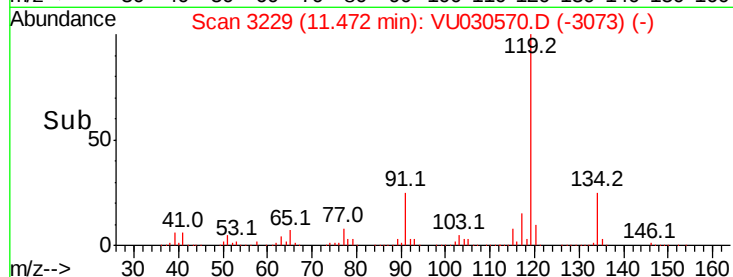
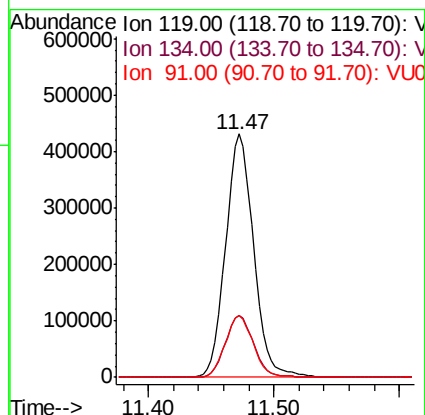
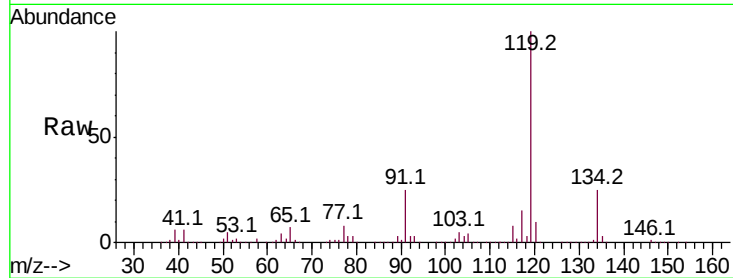
#81
p-Isopropyltoluene
Concen: 10.125 ug/l
RT: 11.47 min Scan# 3229
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.6	31.0
91	25.5	20.4	30.6

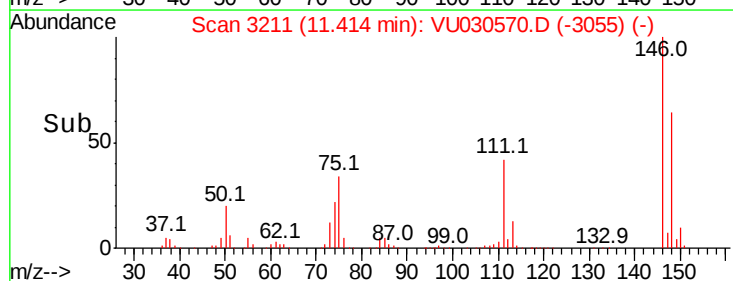
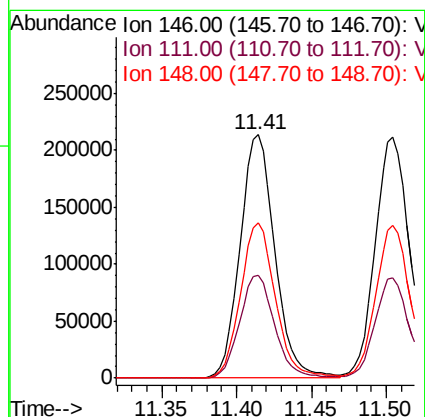
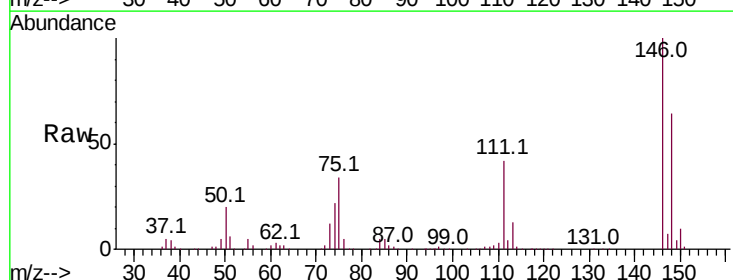
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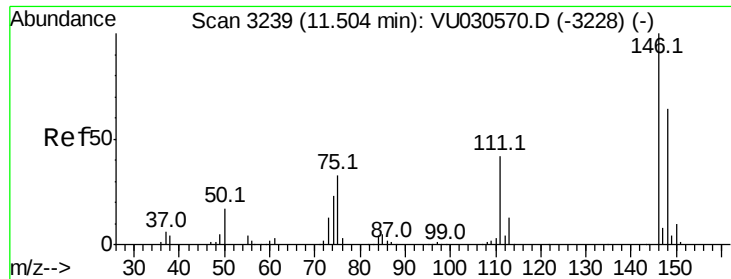
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#82
1,3-Dichlorobenzene
Concen: 9.351 ug/l
RT: 11.41 min Scan# 3211
Delta R.T. 0.00 min
Lab File: VU030570.D
Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	34.0	51.0
148	63.8	51.0	76.6





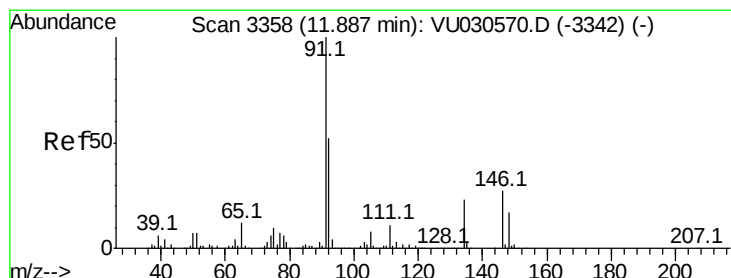
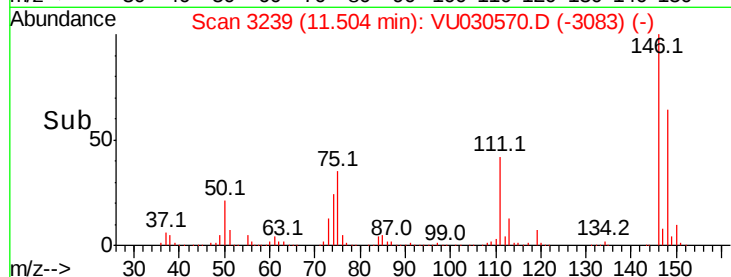
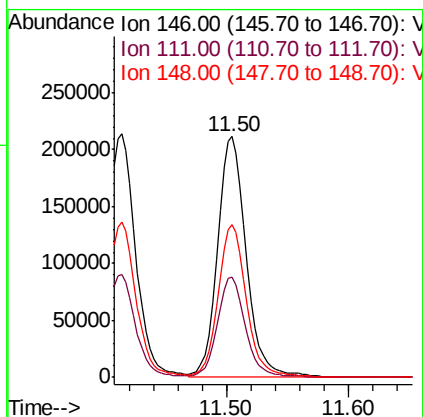
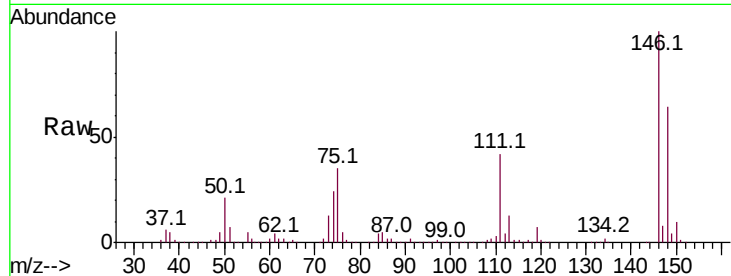
#83
 1,4-Dichlorobenzene
 Concen: 9.321 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	32.8	49.2
148	63.1	50.5	75.7

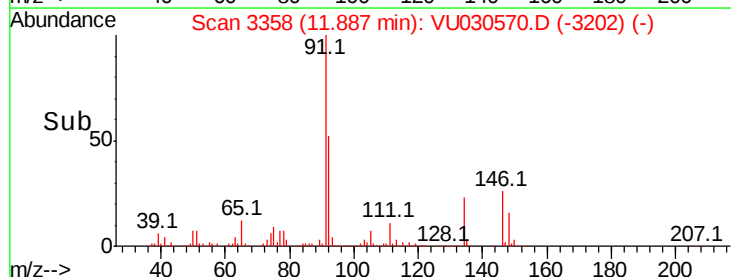
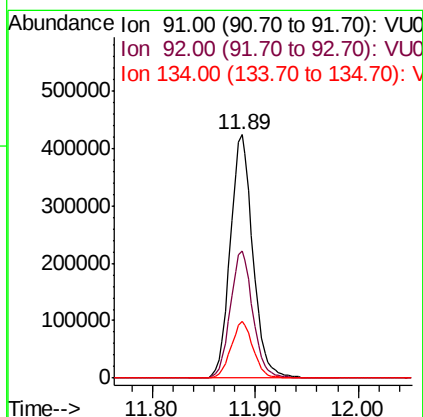
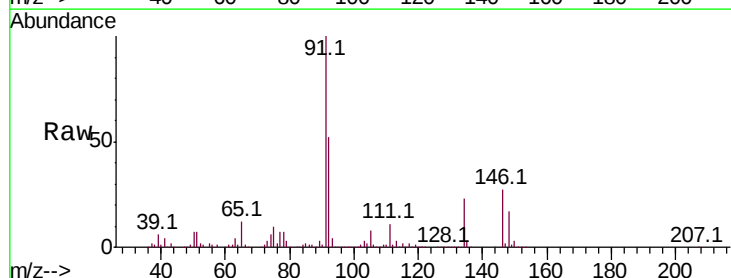
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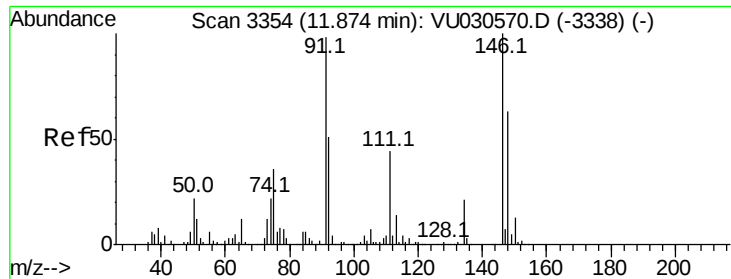
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#84
 n-Butylbenzene
 Concen: 10.478 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	41.7	62.5
134	22.9	18.3	27.5





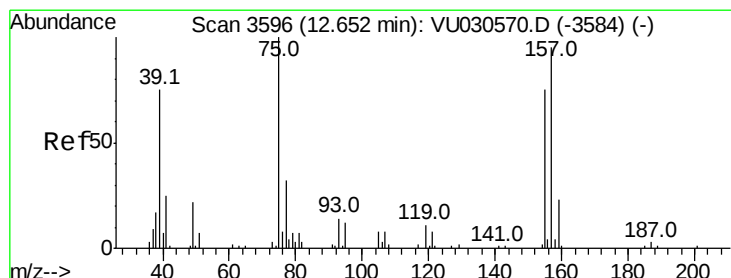
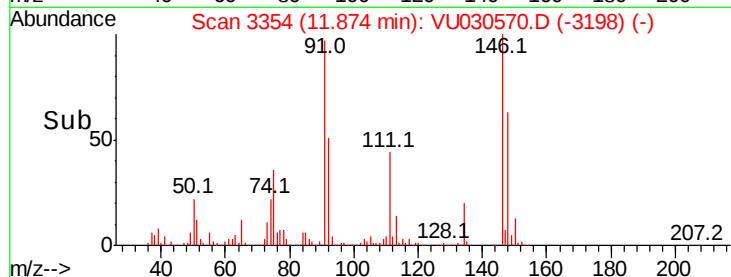
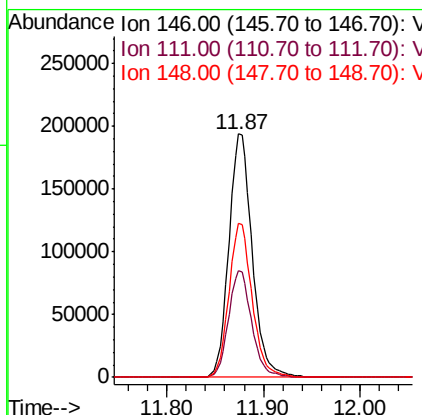
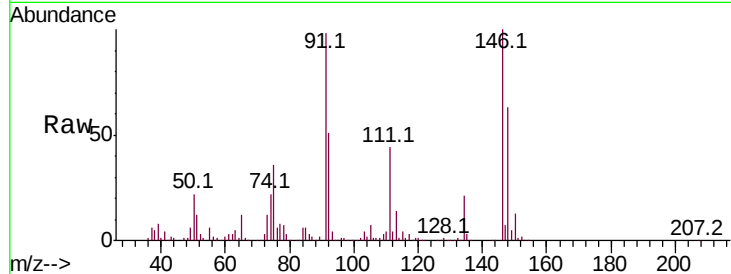
#85
 1,2-Dichlorobenzene
 Concen: 9.396 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.5
148	63.0	31.5	94.5

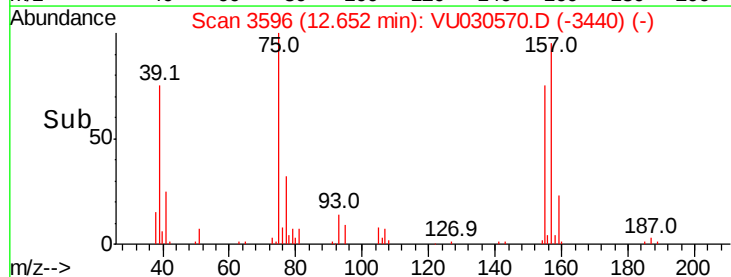
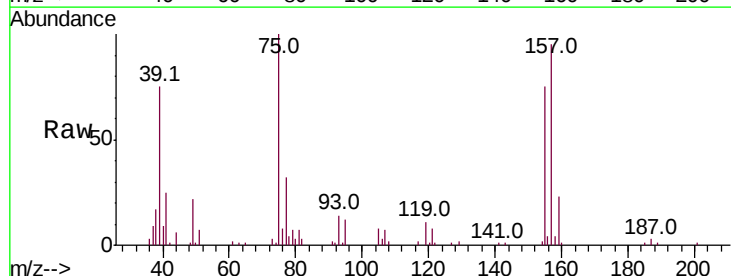
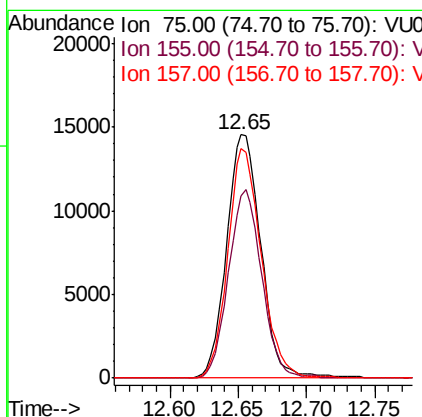
Manual Integrations
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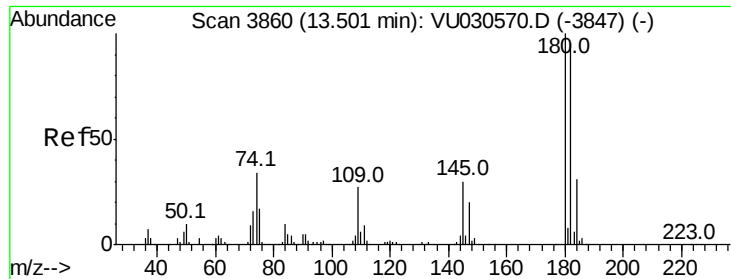
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.987 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	59.7	89.5
157	92.1	73.7	110.5





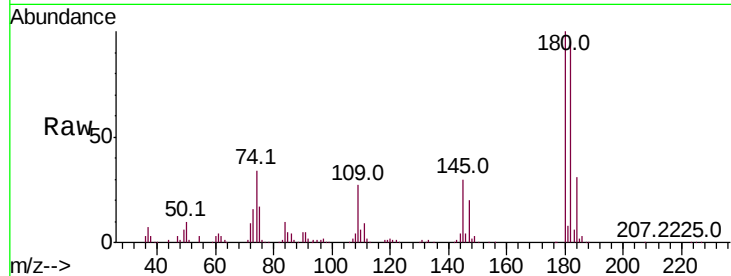
#87
 1,2,4-Trichlorobenzene
 Concen: 8.195 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.0	114.0
145	30.4	24.3	36.5

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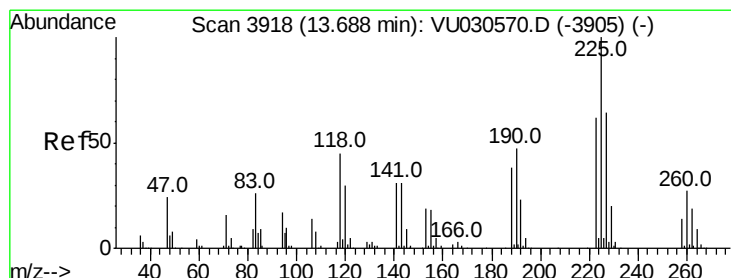
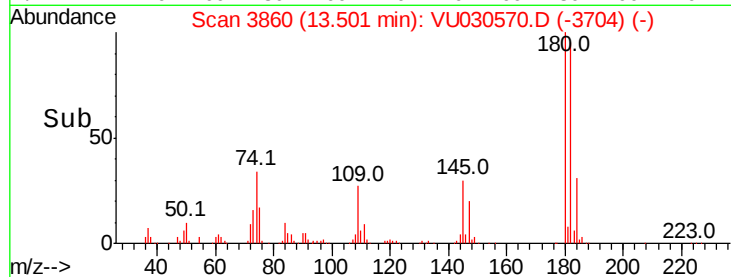
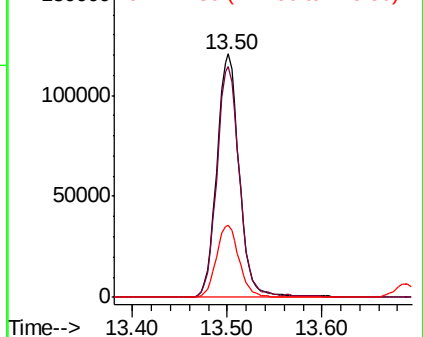


Abundance

Ion 179.70 (179.40 to 180.40): V

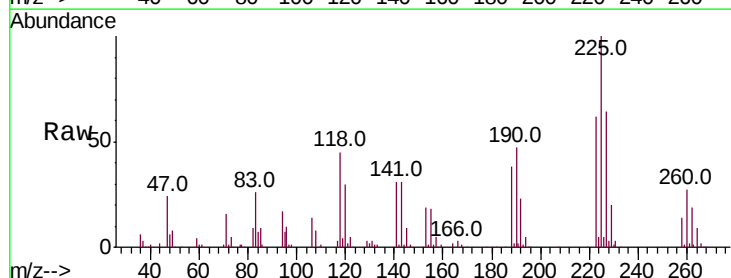
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88
 Hexachlorobutadiene
 Concen: 8.913 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. 0.00 min
 Lab File: VU030570.D
 Acq: 30 Mar 2019 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.7	76.1
227	63.5	50.8	76.2

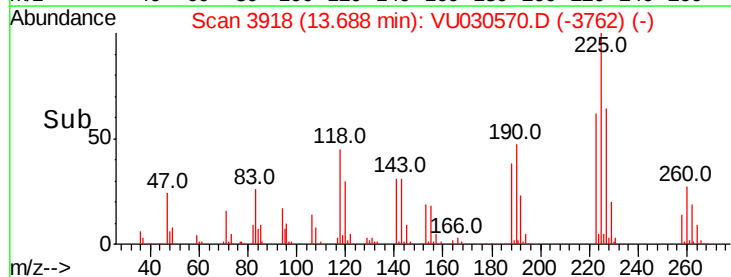
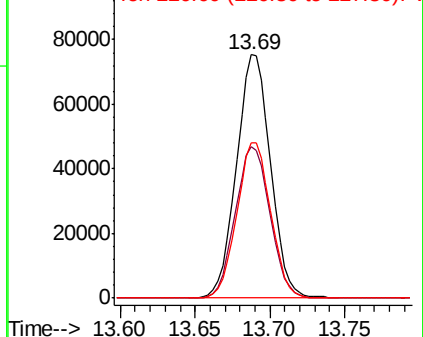


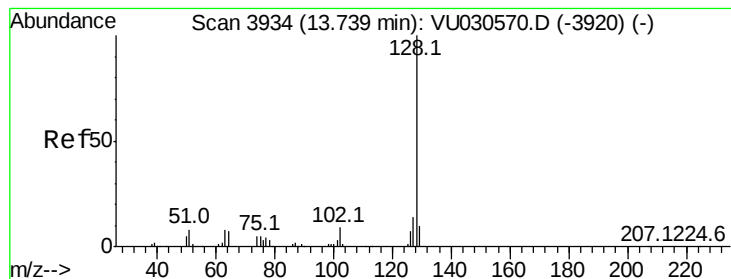
Abundance

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: 9.306 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Instrument :

MSVOA_U

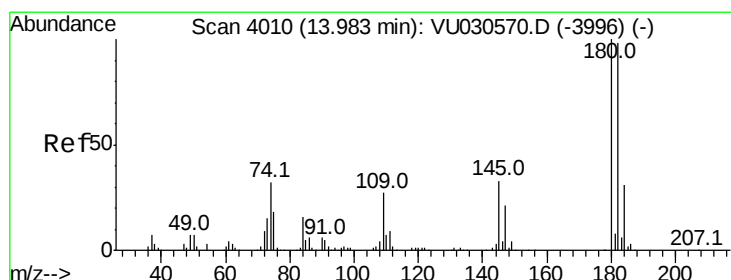
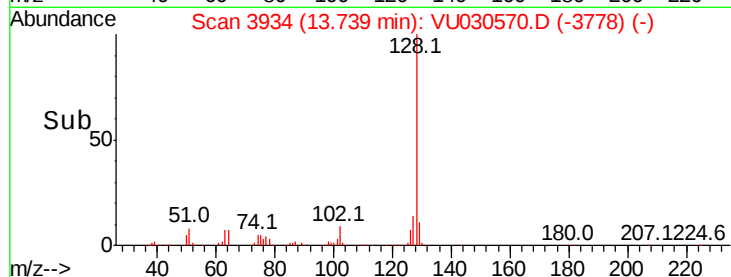
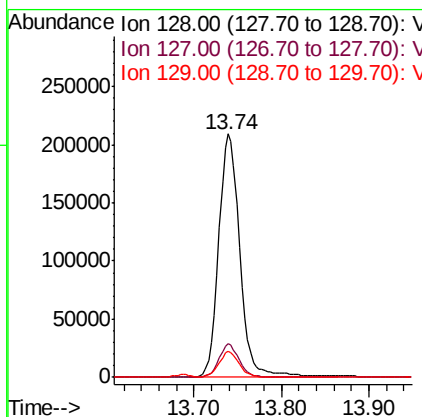
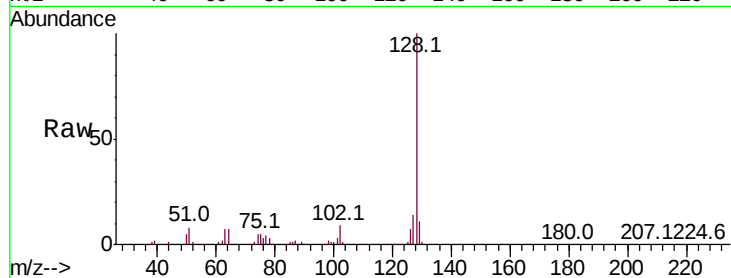
ClientSampleId :

VSTDICCC010

Tot Ion:	128	Resp:	353137
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	9.8	7.8	11.8

Manual Integrations
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#90

1,2,3-Trichlorobenzene

Concen: 8.475 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030570.D

Acq: 30 Mar 2019 11:42

Tgt Ion:	180	Resp:	186840
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.6	114.8
145	32.4	25.9	38.9

