

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030567.D
 Acq On : 30 Mar 2019 10:21
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:37:57 PM

Quant Time: Mar 31 00:54:18 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	53767	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	19699	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18472	0.84	ug/l	0.00
Spiked Amount 1.000			Recovery	=	84.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	20700	1.013	ug/l	97
3) Chloromethane	1.33	50	27378	1.168	ug/l	97
4) Vinyl Chloride	1.40	62	22827	1.122	ug/l	99
5) Bromomethane	1.63	94	12076	1.088	ug/l	93
6) Chloroethane	1.70	64	13805	1.184	ug/l	97
7) Trichlorofluoromethane	1.88	101	26975	1.052	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	12837	0.934	ug/l	100
9) 1,1-Dichloroethene	2.28	96	12965	0.951	ug/l	91
10) Iodomethane	2.41	142	9348	0.798	ug/l	96
11) Allyl Chloride	2.59	41	28868	1.366	ug/l	100
12) Acrylonitrile	2.94	53	7228	2.330	ug/l	96
13) Acetone	2.32	43	17275	6.298	ug/l	98
14) Carbon Disulfide	2.47	76	48281	1.007	ug/l	97
15) Methylene Chloride	2.69	84	17681	1.081	ug/l	91
16) trans-1,2-Dichloroethene	2.98	96	14284	0.912	ug/l	96
17) 1,1-Dichloroethane	3.44	63	30610	1.114	ug/l #	97
18) 2-Butanone	4.28	43	21897	5.755	ug/l	99
19) Cyclohexane	4.99	56	23950m	1.013	ug/l	
20) Methylcyclohexane	6.41	83	18435	0.738	ug/l	94
21) 2,2-Dichloropropane	4.22	77	23055	1.011	ug/l	99
22) cis-1,2-Dichloroethene	4.22	96	15848	0.912	ug/l	95
23) Diethyl Ether	2.10	59	12219	1.146	ug/l	96
24) tert-Butyl Alcohol	2.85	59	11459	10.068	ug/l	97
25) Methyl tert-Butyl Ether	3.00	73	37829	1.067	ug/l	99
26) Bromochloromethane	4.54	128	5488	0.735	ug/l	85
27) Chloroform	4.67	83	27750	0.973	ug/l	93
28) 1,1,1-Trichloroethane	4.91	97	22631	0.972	ug/l	100
29) 1,1-Dichloropropene	5.13	75	18169	0.859	ug/l	96
30) Carbon Tetrachloride	5.13	117	18846	0.914	ug/l	99
31) Isopropyl Ether	3.58	45	49357	1.228	ug/l	98
32) Ethyl-t-butyl ether	4.08	59	37603	1.011	ug/l	100
33) Tert-Amyl methyl ether	5.58	73	27770	0.831	ug/l	98
34) Propionitrile	4.35	54	4831	4.580	ug/l #	78
35) Benzene	5.39	78	60462	0.974	ug/l	99
36) 1,2-Dichloroethane	5.41	62	18387	1.077	ug/l	99
37) Trichloroethene	6.18	130	13865	0.801	ug/l	96
38) 1,2-Dichloropropane	6.43	63	16004	0.997	ug/l	98
39) Methacrylonitrile	4.56	41	5525	1.178	ug/l #	82
40) Methyl acrylate	4.44	55	6770	0.948	ug/l #	84
41) Tetrahydrofuran	4.66	42	5178	2.031	ug/l	99
42) 1-Chlorobutane	5.06	56	28120	0.983	ug/l	93

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Quant Time: Mar 31 00:54:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U033119DW.M
 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	7606	0.935	ug/l	96
44) Bromodichloromethane	6.75	83	19565	0.996	ug/l #	91
45) 4-Methyl-2-Pentanone	7.47	43	45897	5.353	ug/l	92
46) t-1,4-Dichloro-2-butene	10.52	75	5718m	1.819	ug/l	
47) Methyl methacrylate	6.63	69	11342	1.646	ug/l	94
48) Ethyl methacrylate	8.03	69	10853	0.839	ug/l	100
49) Toluene	7.64	92	30147	0.817	ug/l	93
50) t-1,3-Dichloropropene	7.88	75	14692	0.839	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	19857	0.910	ug/l	94
52) 1,1,2-Trichloroethane	8.07	97	10794	0.949	ug/l	94
53) 1,3-Dichloropropane	8.24	76	17920	0.926	ug/l	99
54) 2-Hexanone	8.37	43	34399	5.626	ug/l	89
55) Dibromochloromethane	8.48	129	11336	0.837	ug/l	98
56) 1,2-Dibromoethane	8.59	107	9228	0.851	ug/l	100
58) Tetrachloroethene	8.22	164	12916	0.823	ug/l	94
59) Chlorobenzene	9.12	112	34879	0.835	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.21	131	12927	0.882	ug/l	97
61) Pentachloroethane	11.10	117	9866	0.864	ug/l	99
62) Hexachloroethane	12.14	117	8067	0.722	ug/l	93
63) Ethyl Benzene	9.25	91	55027	0.790	ug/l	98
64) m/p-Xylenes	9.37	106	38855	1.444	ug/l	91
65) o-Xylene	9.78	106	18083	0.686	ug/l	93
66) Styrene	9.79	104	30482	0.700	ug/l	97
67) Bromoform	9.96	173	6296	0.820	ug/l	99
69) Isopropylbenzene	10.16	105	50993	0.735	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	13113	0.920	ug/l	96
71) 1,2,3-Trichloropropane	10.49	75	10421m	1.008	ug/l	
72) Bromobenzene	10.45	156	13153	0.738	ug/l	98
73) n-propylbenzene	10.58	120	13155	0.676	ug/l	97
74) 2-Chlorotoluene	10.66	126	12643	0.739	ug/l	99
75) 1,3,5-Trimethylbenzene	10.77	105	40470	0.687	ug/l	99
76) 4-Chlorotoluene	10.77	126	12960	0.745	ug/l	91
77) tert-Butylbenzene	11.10	119	41132	0.717	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	40117	0.672	ug/l	100
79) sec-Butylbenzene	11.32	105	53779	0.699	ug/l	100
81) p-Isopropyltoluene	11.47	119	39695	0.624	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	26530	0.739	ug/l	97
83) 1,4-Dichlorobenzene	11.51	146	27194	0.753	ug/l	97
84) n-Butylbenzene	11.89	91	38014	0.635	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	26423	0.789	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1776	0.865	ug/l	91
87) 1,2,4-Trichlorobenzene	13.50	180	13138	0.560	ug/l	93
88) Hexachlorobutadiene	13.69	225	9175	0.707	ug/l	97
89) Naphthalene	13.75	128	19630	0.533	ug/l	97
90) 1,2,3-Trichlorobenzene	13.99	180	13059	0.611	ug/l	90

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

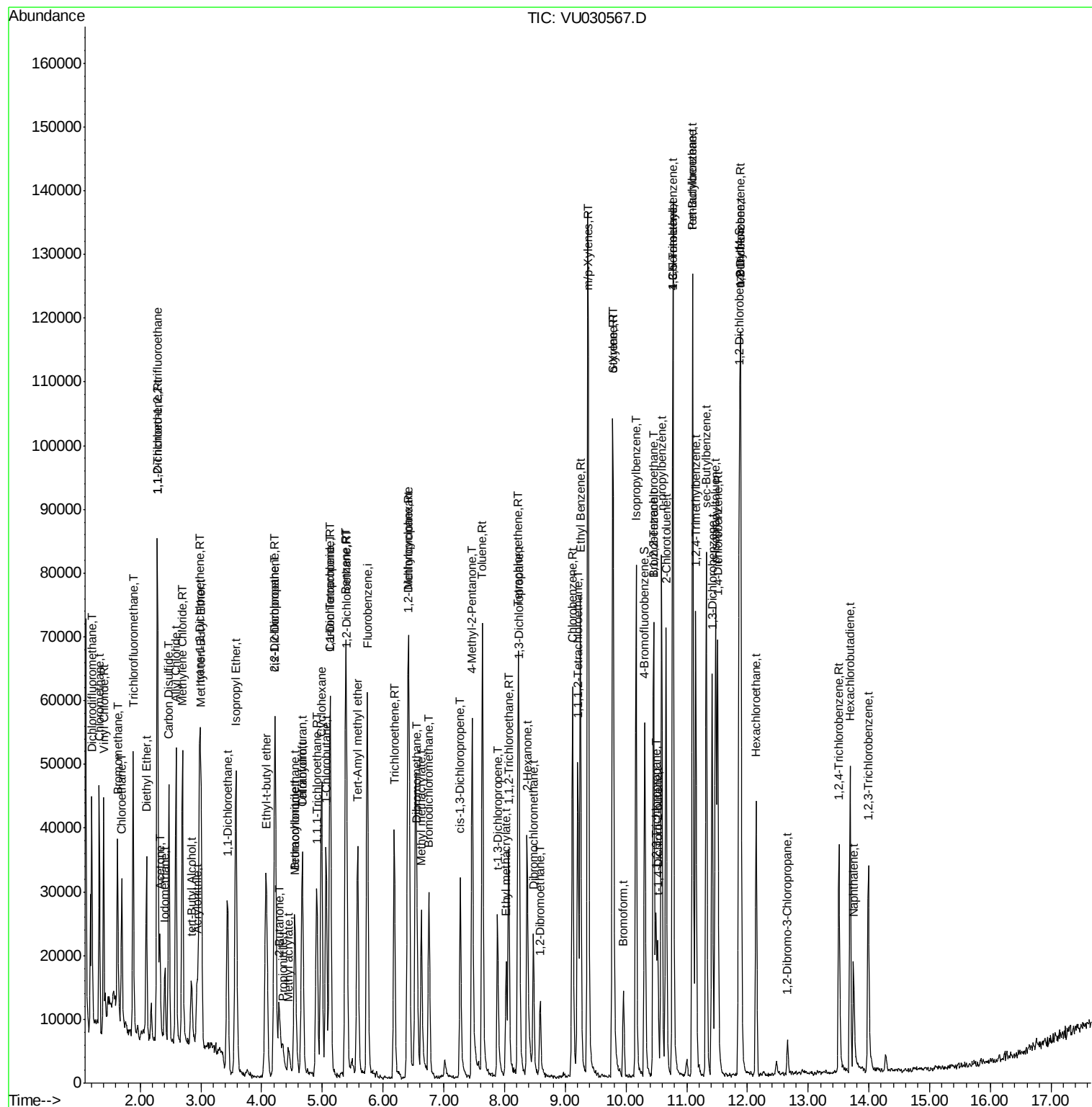
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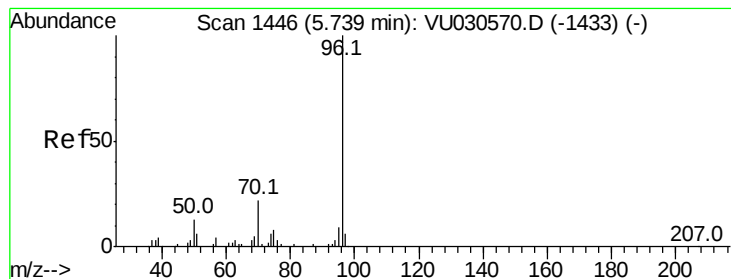
Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

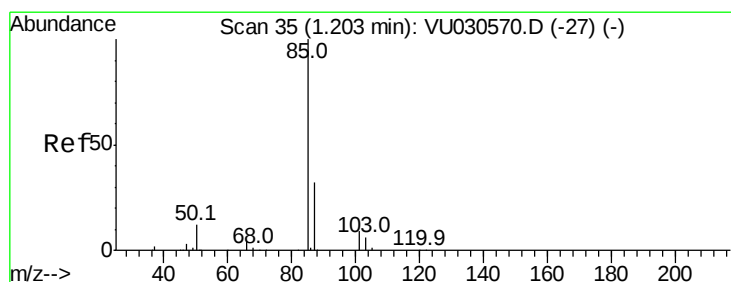
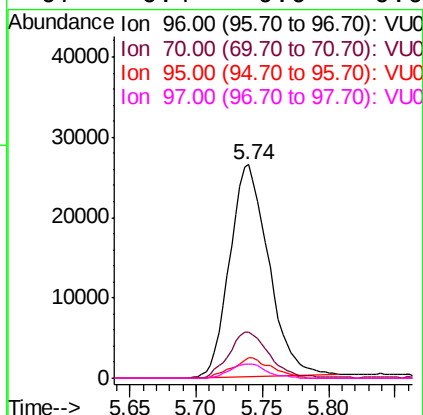
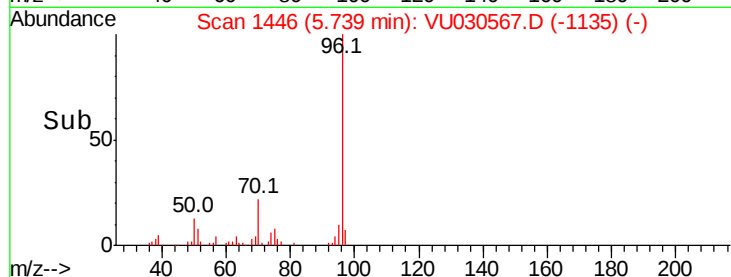
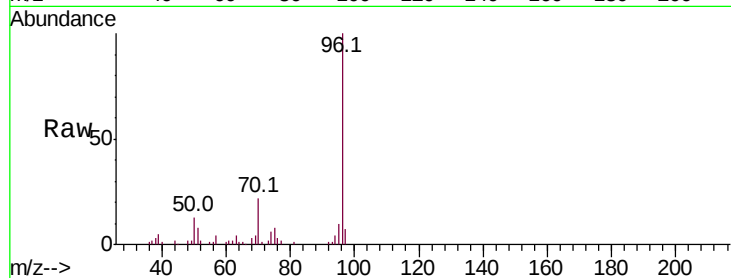
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	22.0	15.6	23.4	
95	9.6	7.3	10.9	
97	6.4	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 1.013 ug/l

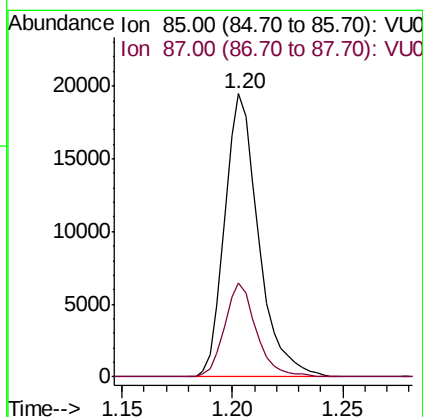
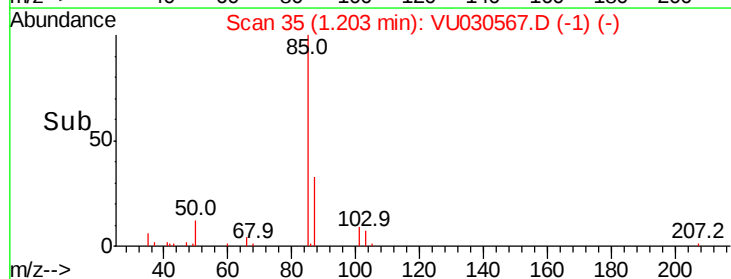
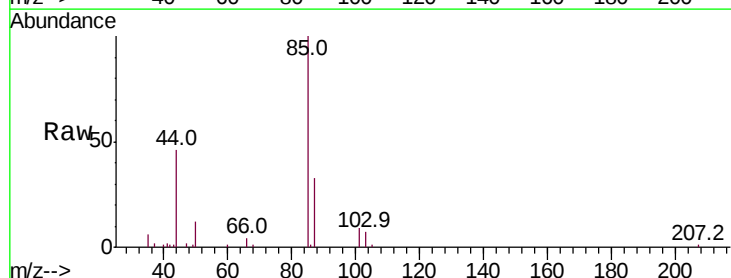
RT: 1.20 min Scan# 35

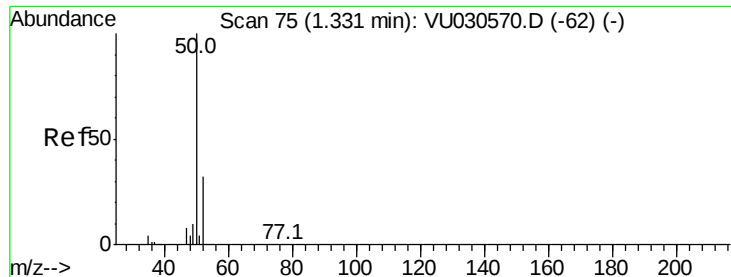
Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	33.2	15.9	47.6	





#3

Chloromethane

Concen: 1.168 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 27378

Ion Ratio Lower Upper

50 100

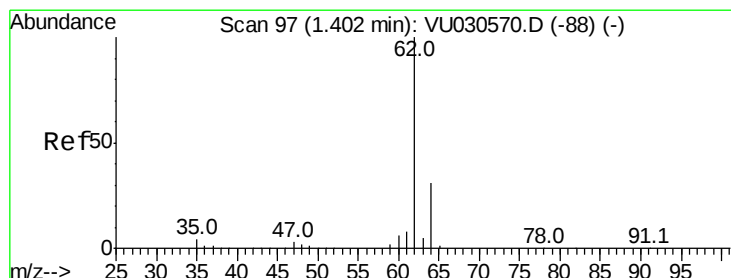
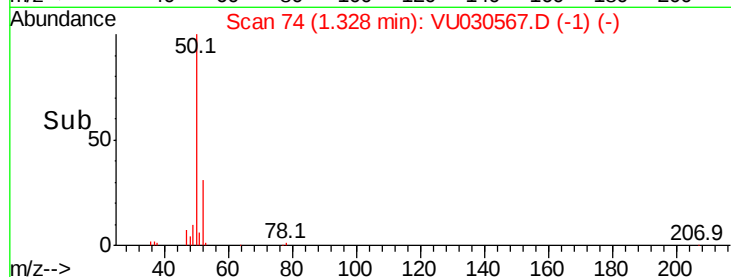
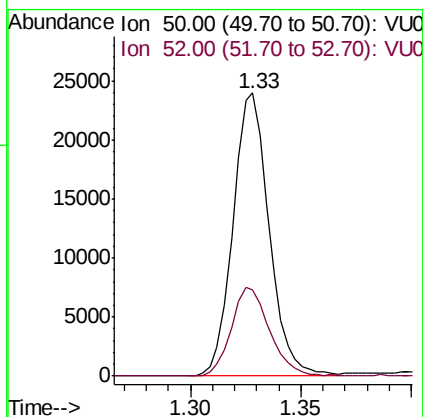
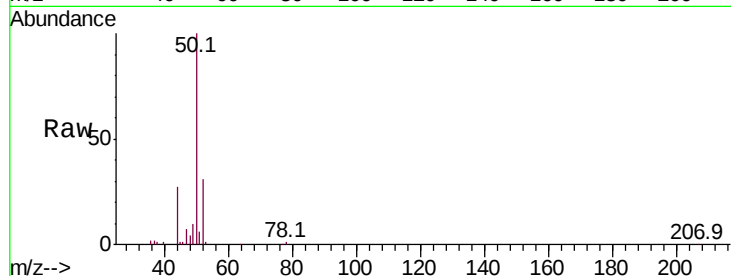
52 30.7 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.122 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030567.D

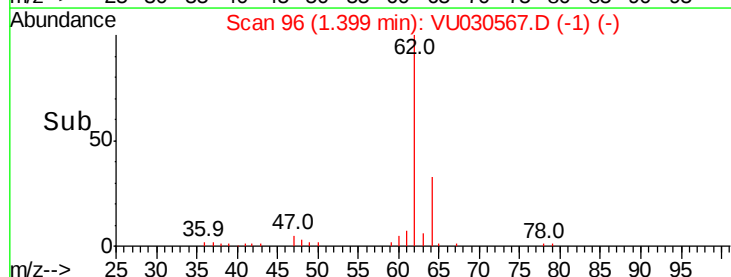
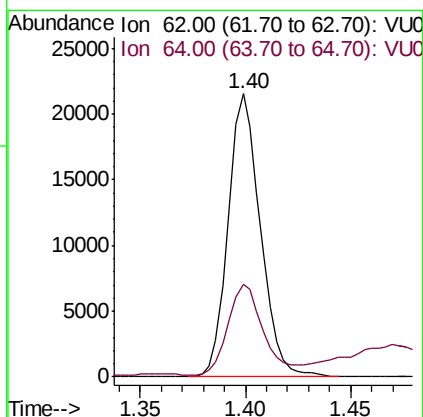
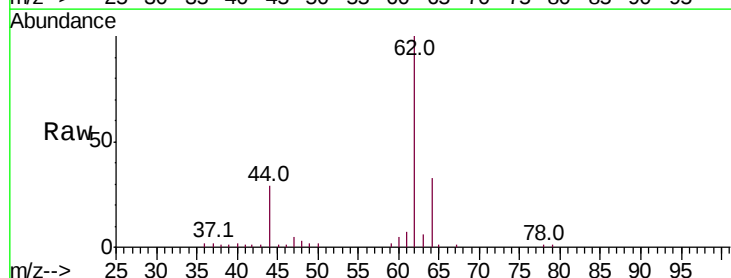
Acq: 30 Mar 2019 10:21

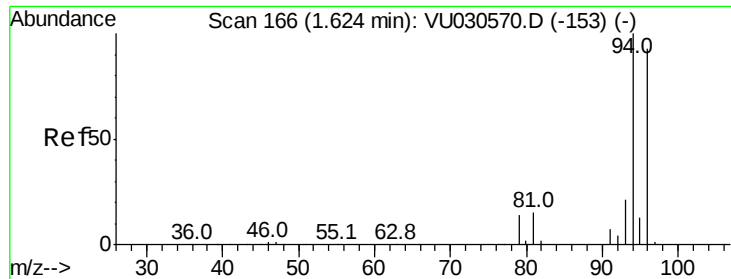
Tgt Ion: 62 Resp: 22827

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7





#5

Bromomethane

Concen: 1.088 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 12076

Ion Ratio Lower Upper

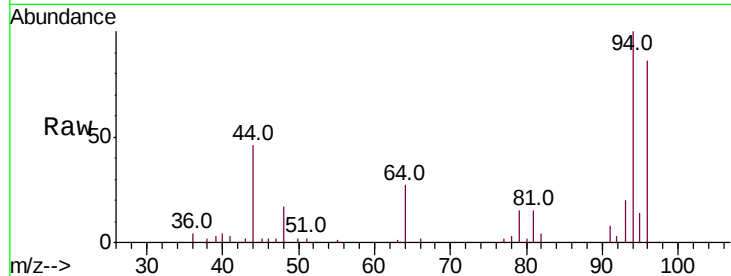
94 100

96 86.5 74.8 112.2

Manual Integrations
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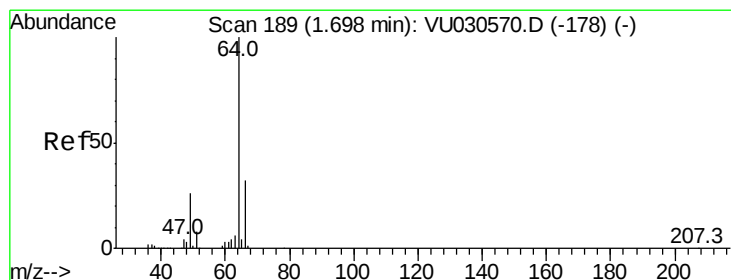
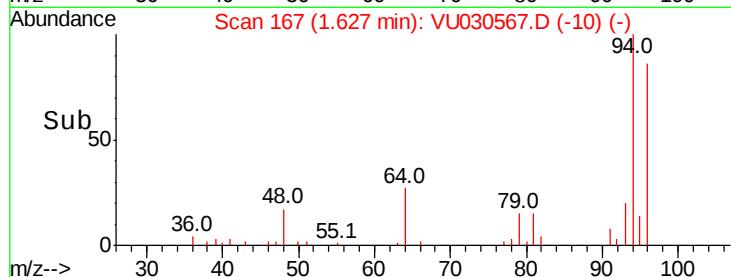
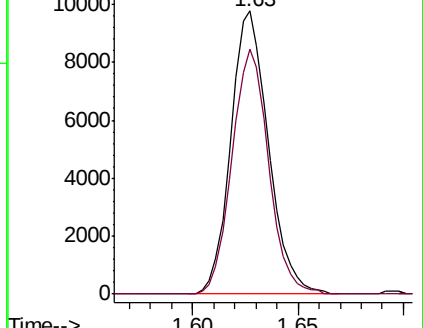
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Abundance Ion 94.00 (93.70 to 94.70): VU030567.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU030567.D (-153) (-)



#6

Chloroethane

Concen: 1.184 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU030567.D

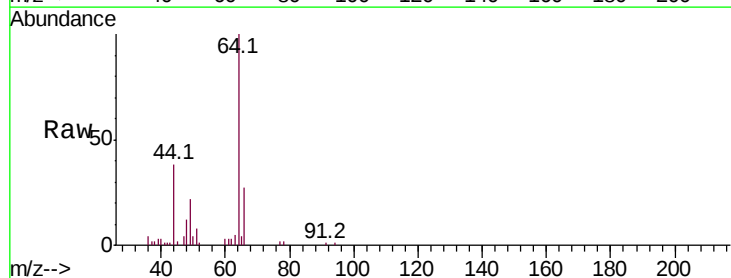
Acq: 30 Mar 2019 10:21

Tgt Ion: 64 Resp: 13805

Ion Ratio Lower Upper

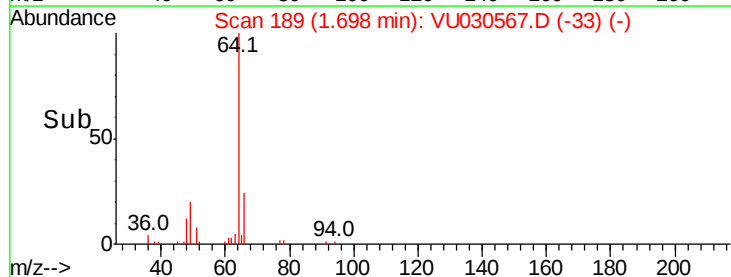
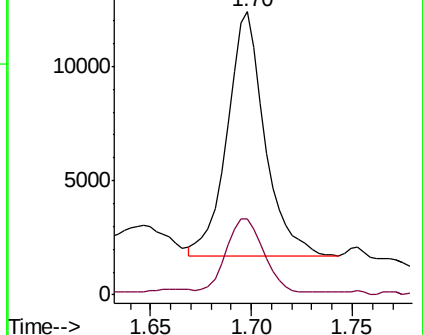
64 100

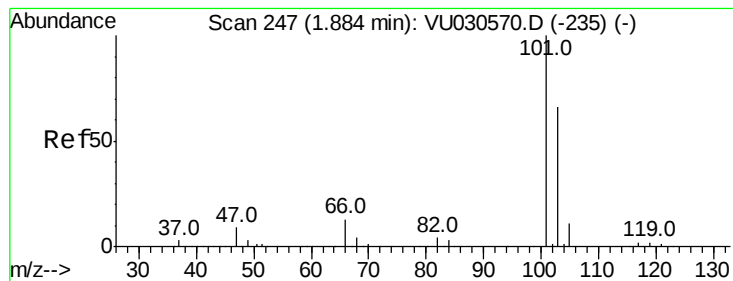
66 30.1 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU030567.D (-178) (-)

Ion 66.00 (65.70 to 66.70): VU030567.D (-178) (-)





#7

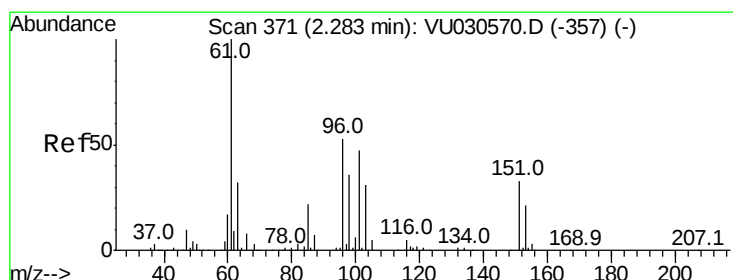
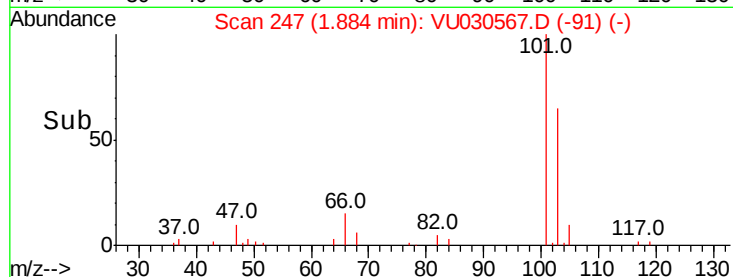
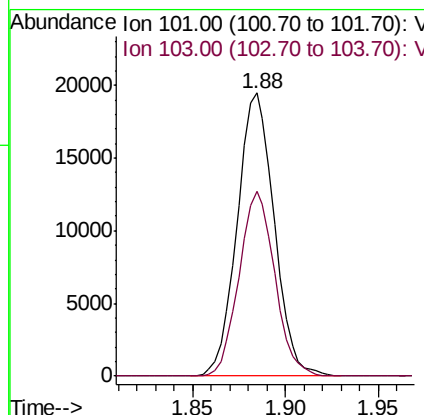
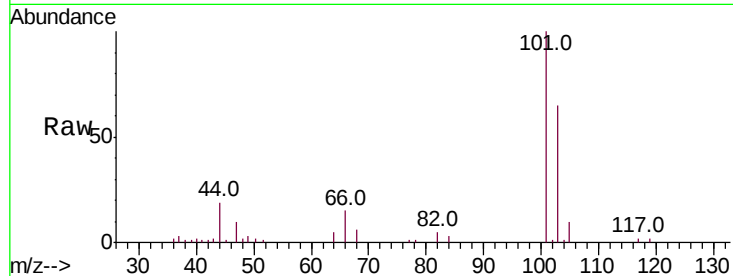
Trichlorofluoromethane
 Concen: 1.052 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.6	79.0

Manual Integrations
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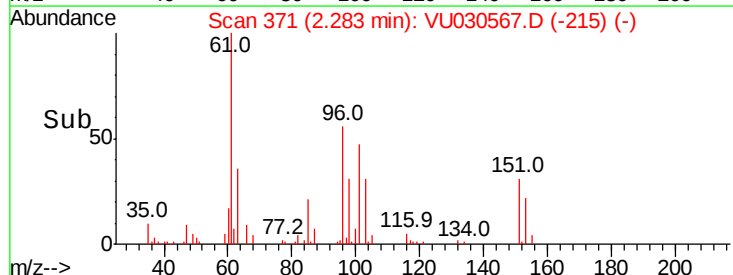
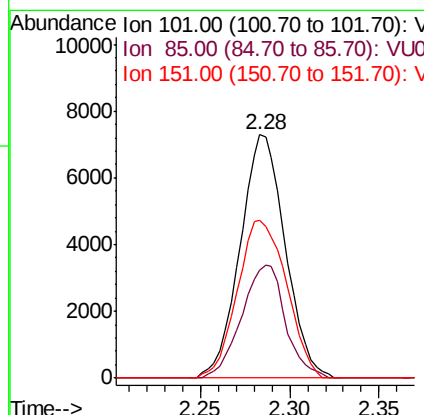
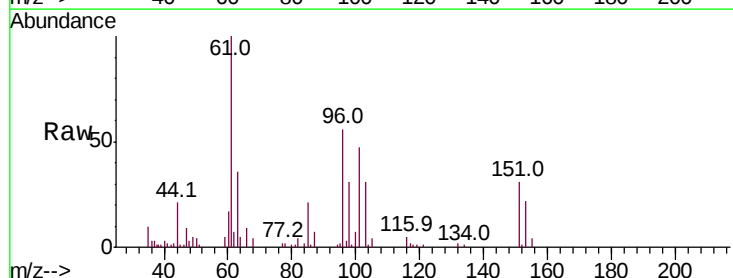
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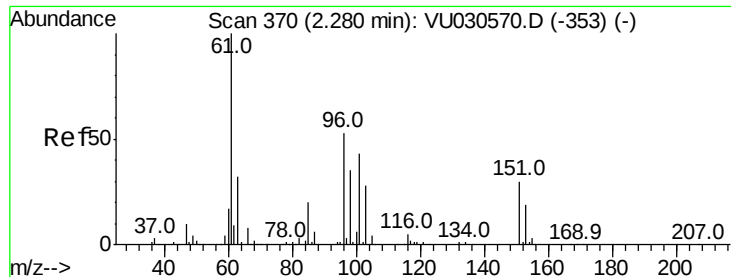


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.934 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.3	36.5	54.7
151	70.5	56.5	84.7





#9

1,1-Dichloroethene

Concen: 0.951 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

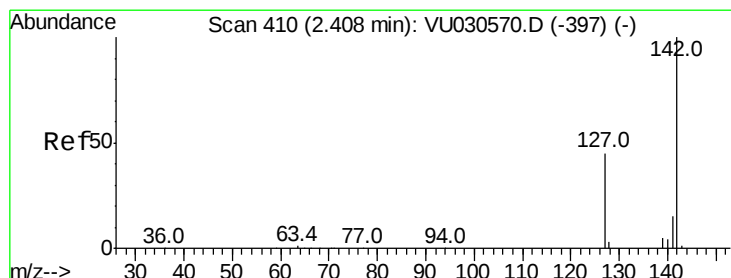
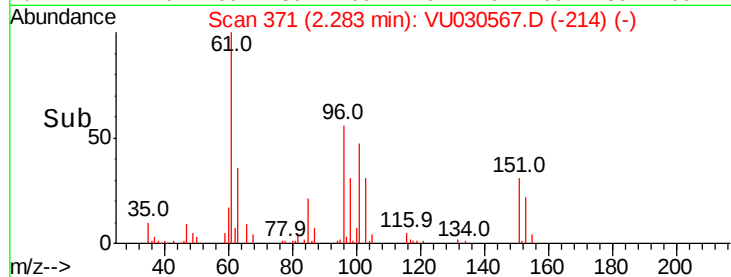
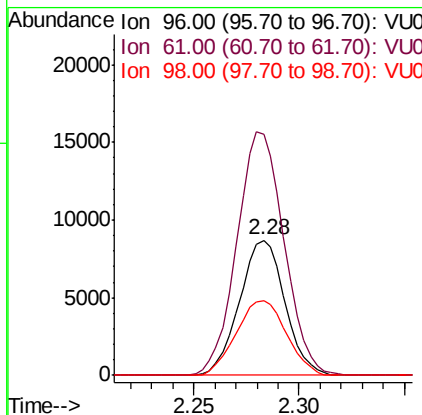
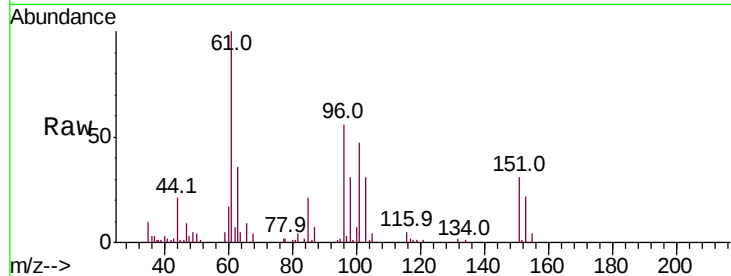
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	12965
Ion	Ratio	Lower	Upper
96	100		
61	177.7	0.0	567.0
98	55.0	0.0	132.2

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#10

Iodomethane

Concen: 0.798 ug/l

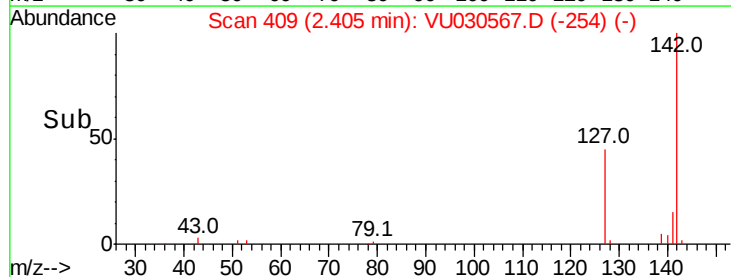
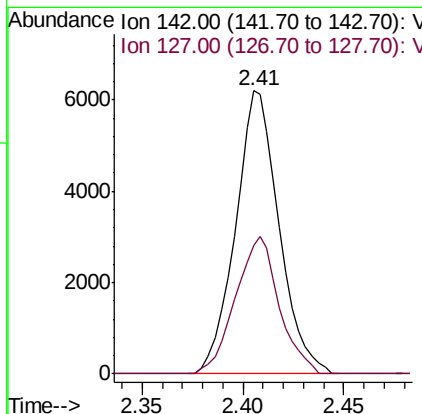
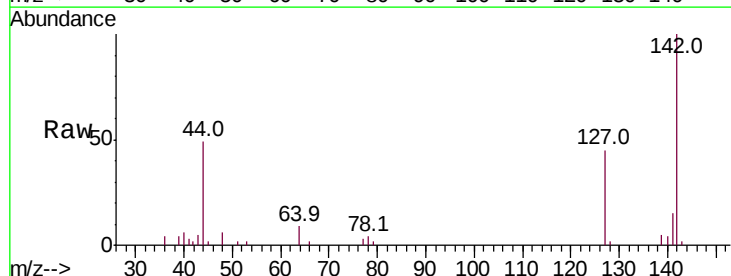
RT: 2.41 min Scan# 409

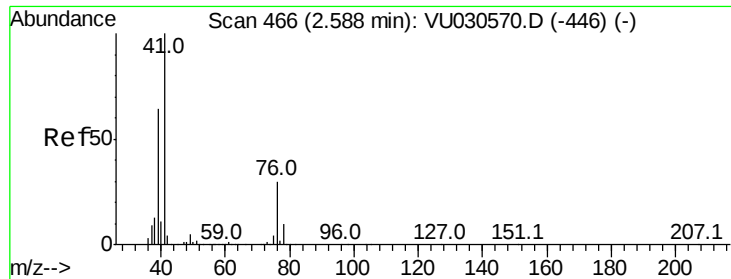
Delta R.T. -0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	142	Resp:	9348
Ion	Ratio	Lower	Upper
142	100		
127	48.6	36.8	55.2





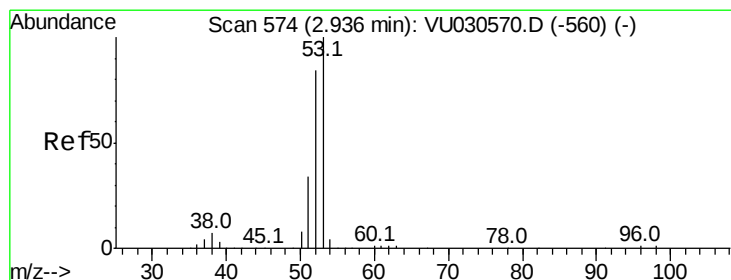
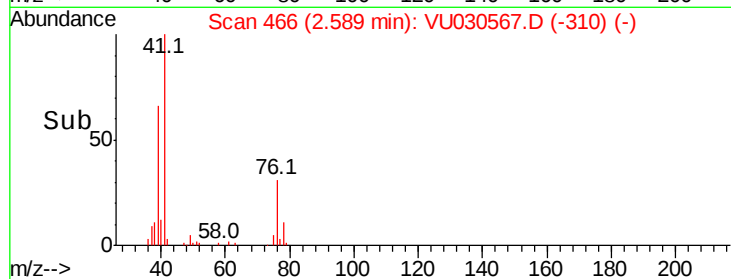
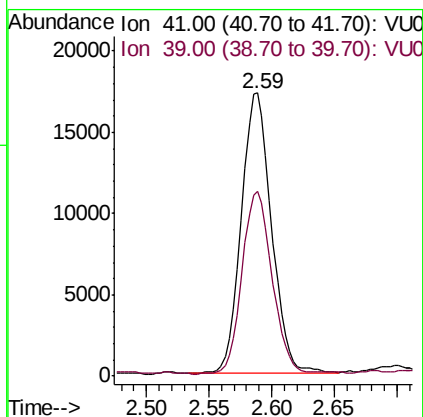
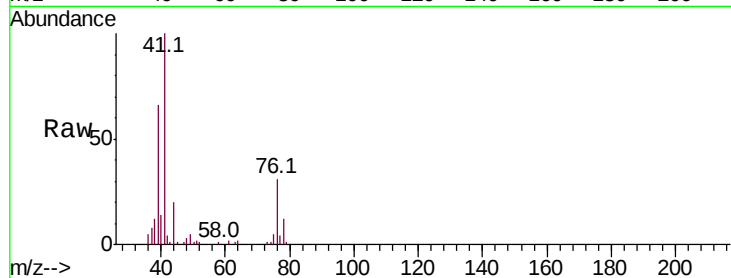
#11
Allvl Chloride
Concen: 1.366 ug/l
RT: 2.59 min Scan# 466
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.9	51.8	77.6

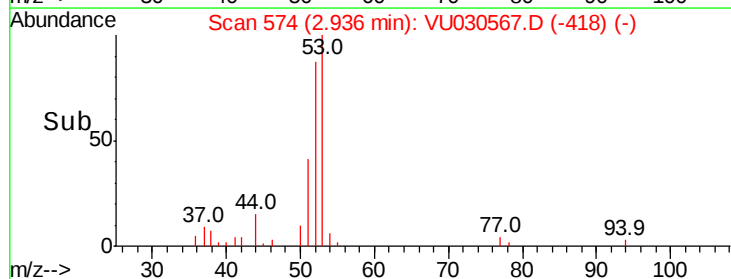
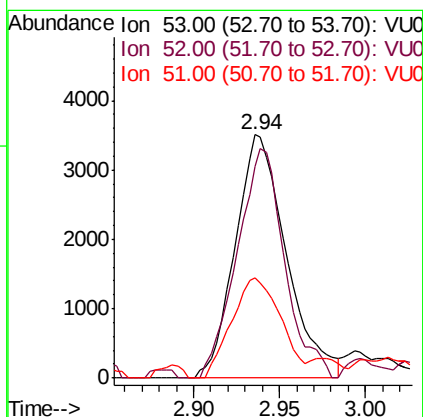
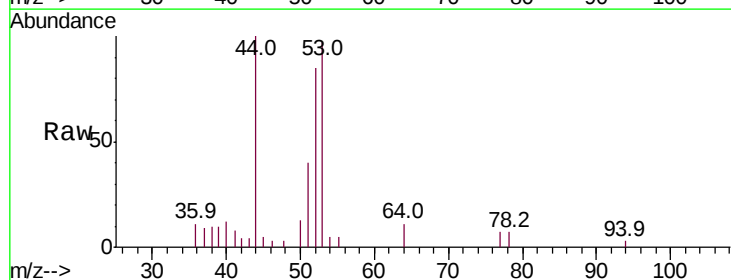
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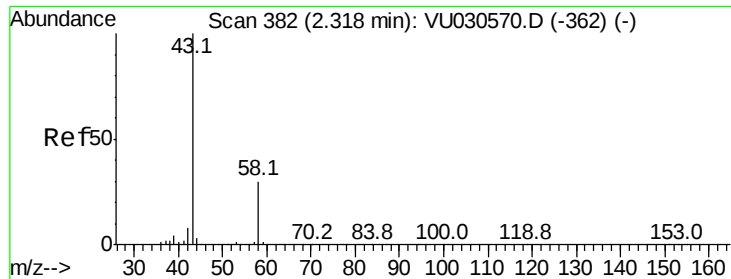
MMDadoda
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#12
Acrylonitrile
Concen: 2.330 ug/l
RT: 2.94 min Scan# 574
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
53	100		
52	87.9	69.1	103.7
51	39.7	27.9	41.9





#13

Acetone

Concen: 6.298 ug/l

RT: 2.32 min Scan# 384

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 17275

Ion Ratio Lower Upper

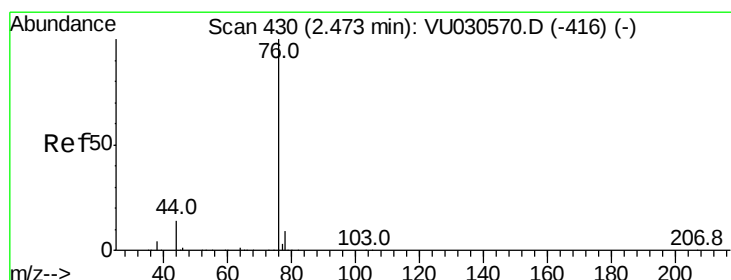
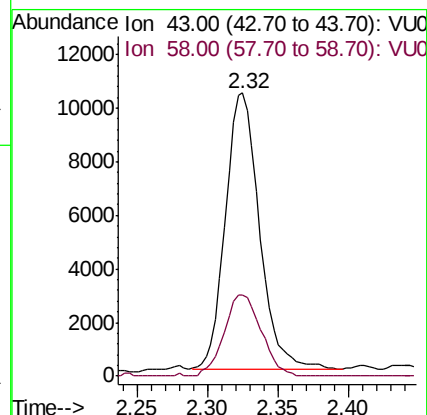
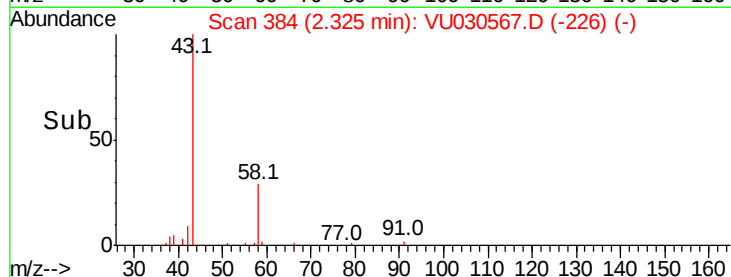
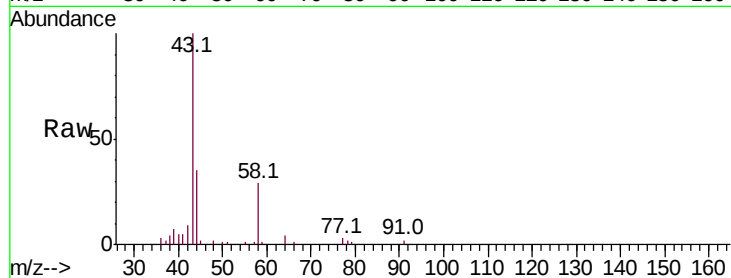
43 100

58 29.4 24.2 36.4

Manual Integrations
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#14

Carbon Disulfide

Concen: 1.007 ug/l

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VU030567.D

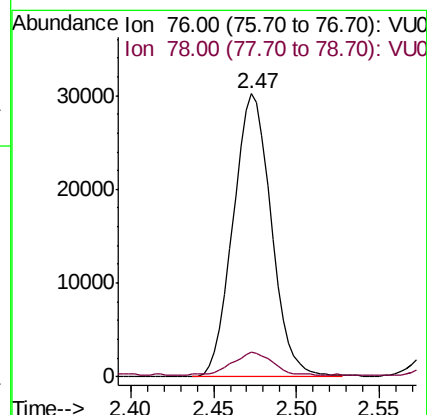
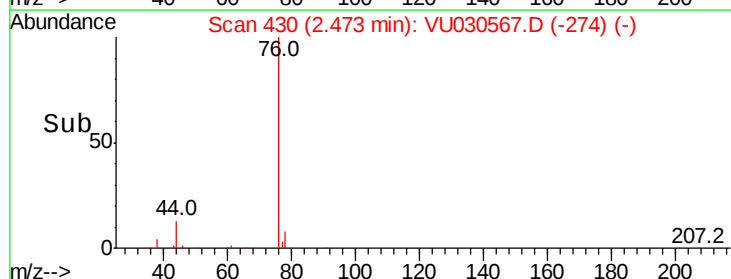
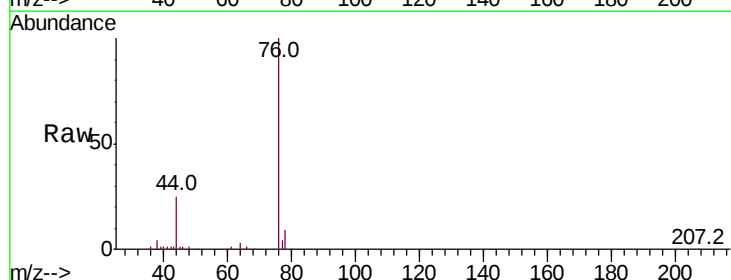
Acq: 30 Mar 2019 10:21

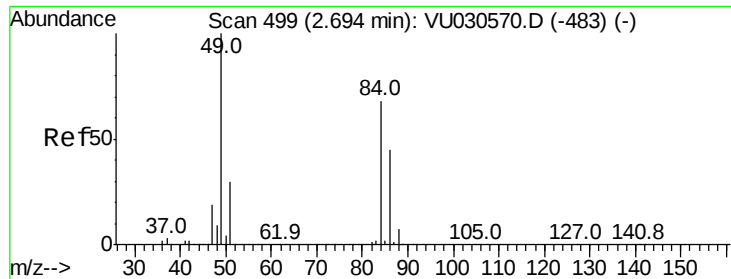
Tgt Ion: 76 Resp: 48281

Ion Ratio Lower Upper

76 100

78 8.0 7.3 10.9





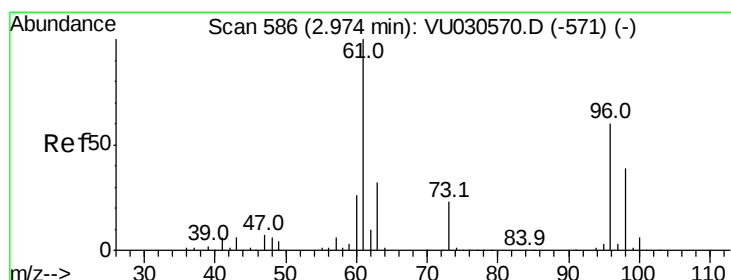
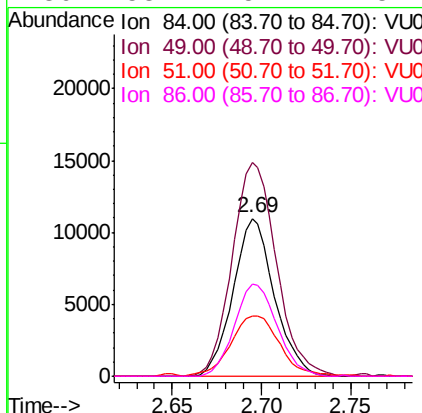
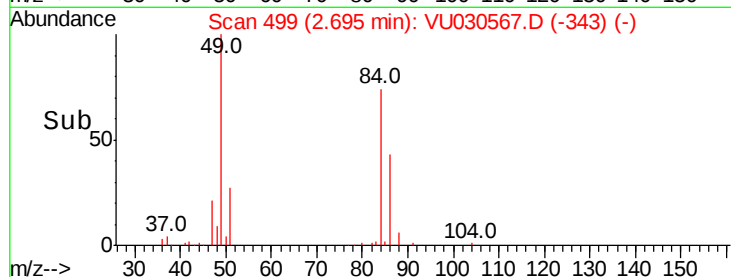
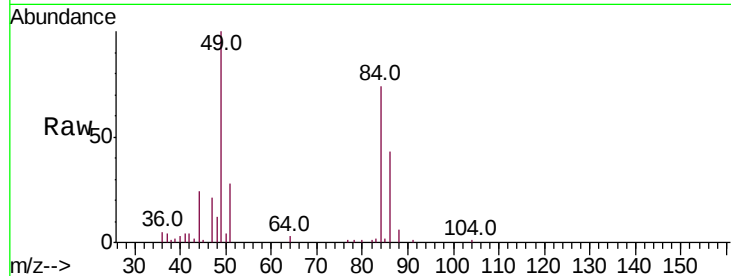
#15
Methvlene Chloride
Concen: 1.081 ug/l
RT: 2.69 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	84	Resp:	17681
Ion Ratio	Lower	Upper	
84	100		
49	135.5	117.0	175.6
51	37.3	0.0	88.6
86	58.4	52.2	78.2

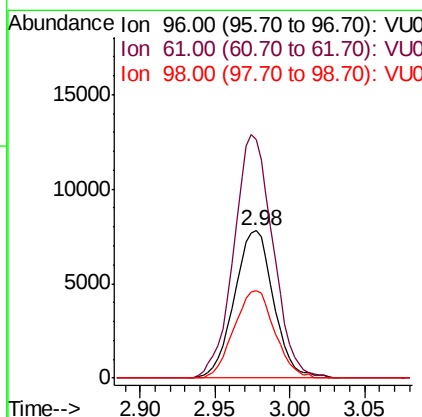
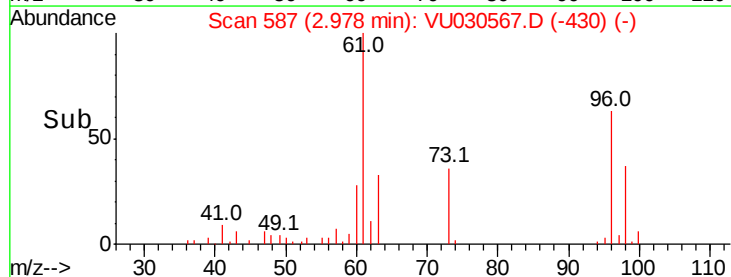
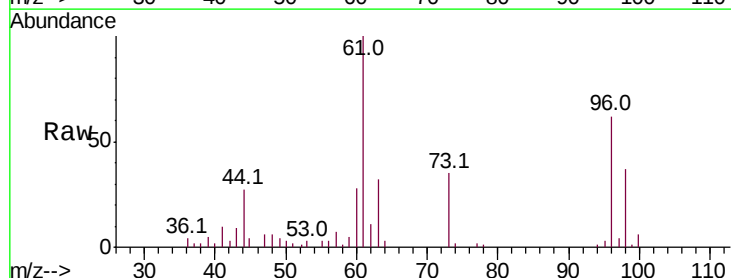
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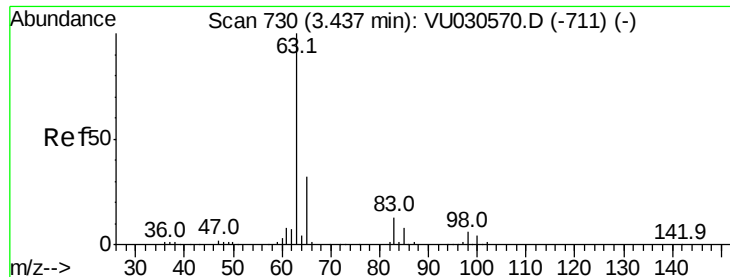
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#16
trans-1,2-Dichloroethene
Concen: 0.912 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion:	96	Resp:	14284
Ion Ratio	Lower	Upper	
96	100		
61	161.7	132.3	198.5
98	59.8	51.3	76.9





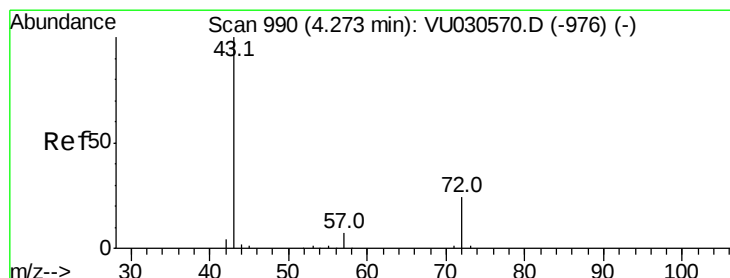
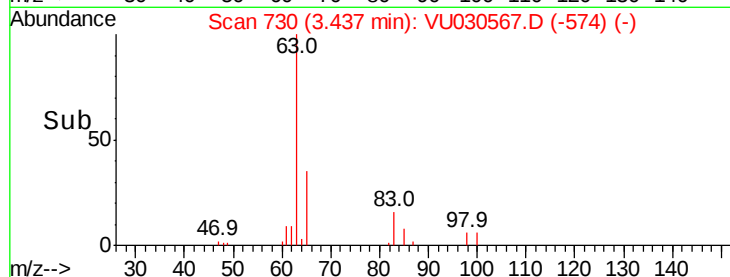
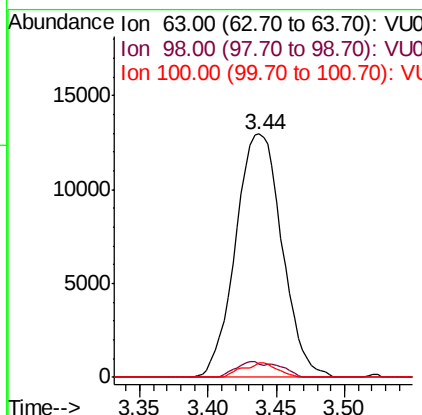
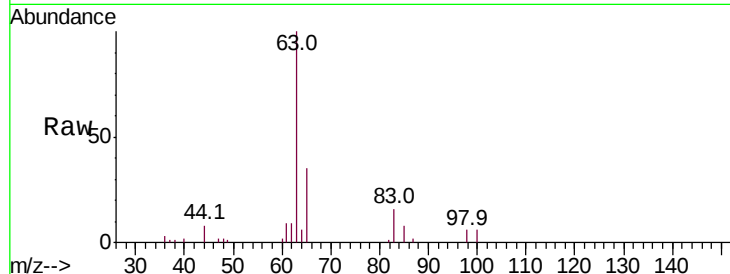
#17
 1,1-Dichloroethane
 Concen: 1.114 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	5.7	1.8	5.5#

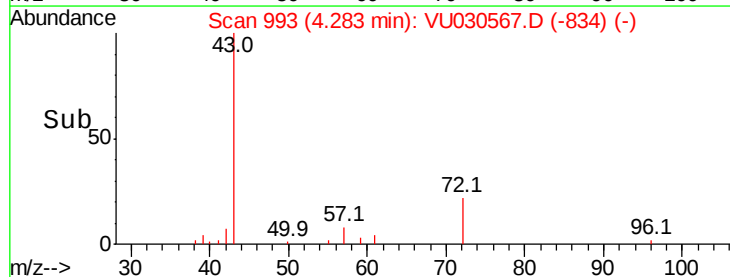
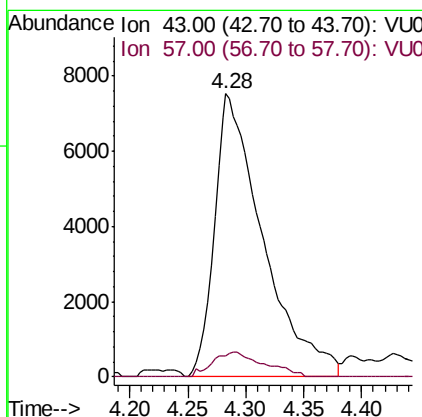
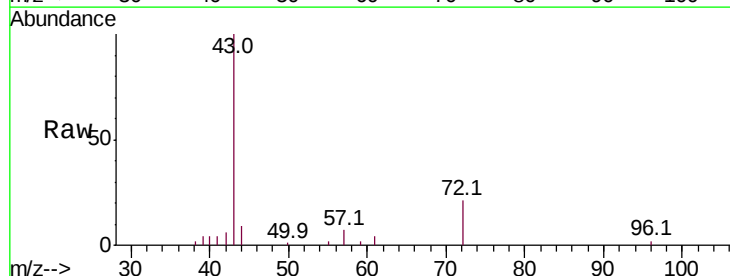
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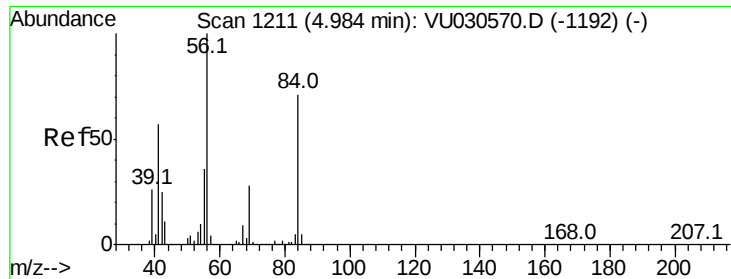
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#18
 2-Butanone
 Concen: 5.755 ug/l
 RT: 4.28 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	14.4





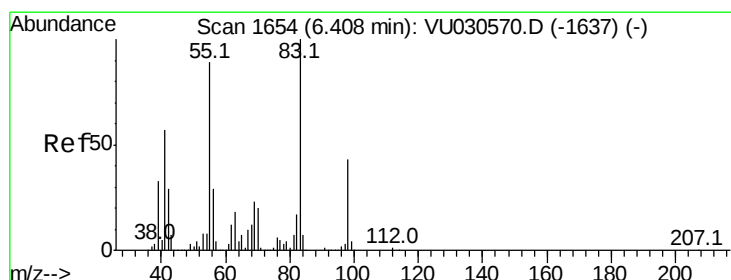
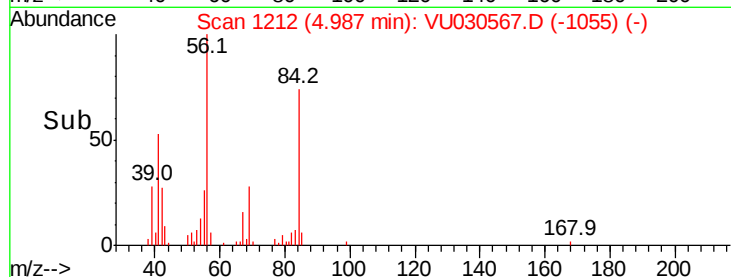
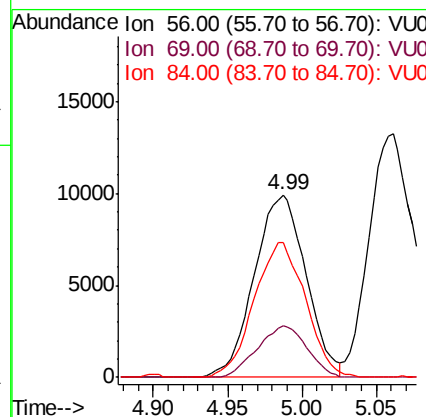
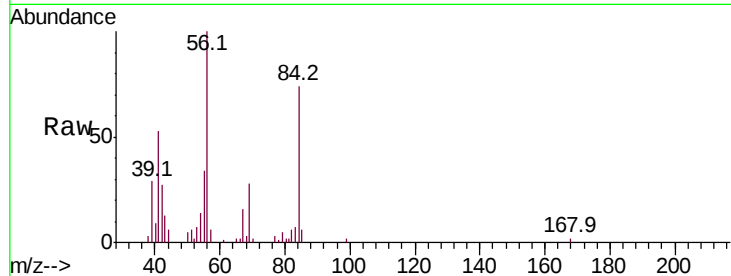
#19
Cyclohexane
Concen: 1.013 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	22.3	33.5
84	73.3	57.6	86.4

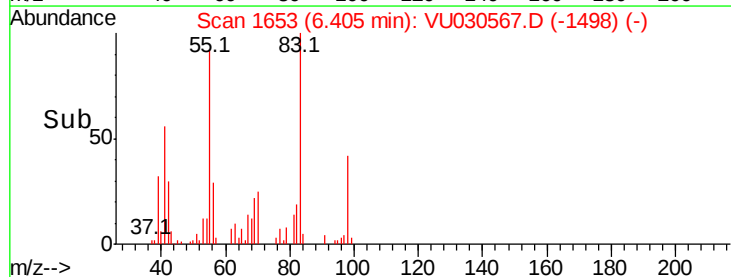
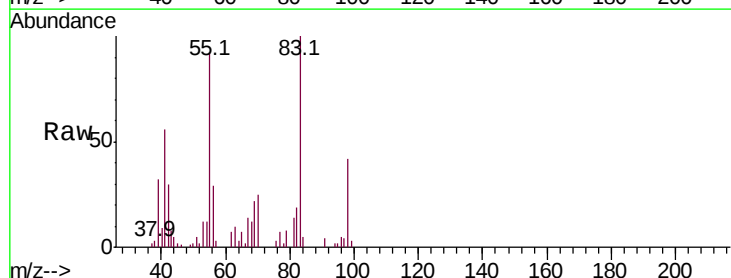
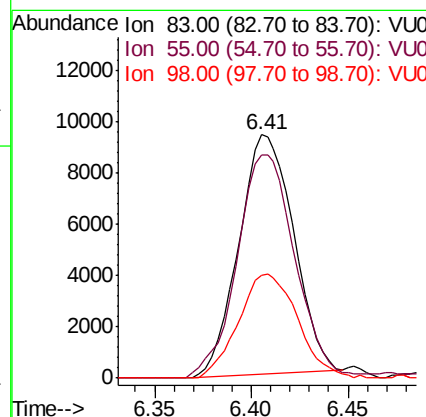
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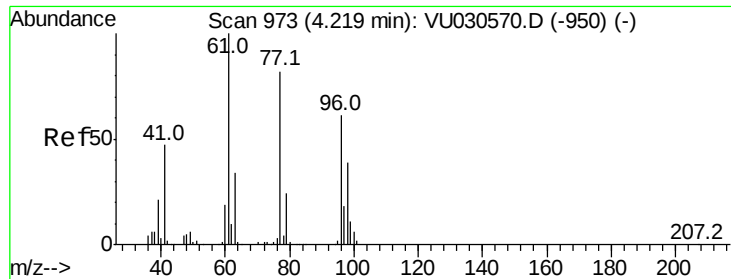
MMDadoda
4/5/2019 2:37:57 PM



#20
Methylcyclohexane
Concen: 0.738 ug/l
RT: 6.41 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
55	95.9	72.0	108.0
98	46.8	35.0	52.4





#21

2,2-Dichloropropane

Concen: 1.011 ug/l

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 77 Resp: 23055

Ion Ratio Lower Upper

77 100

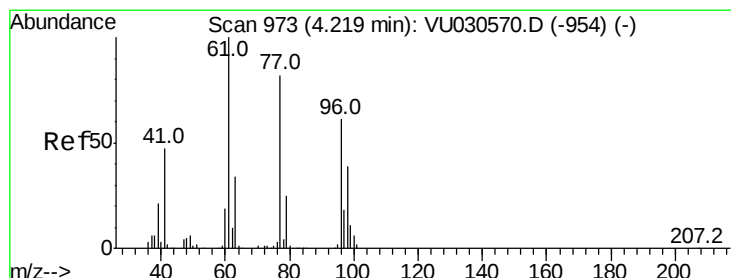
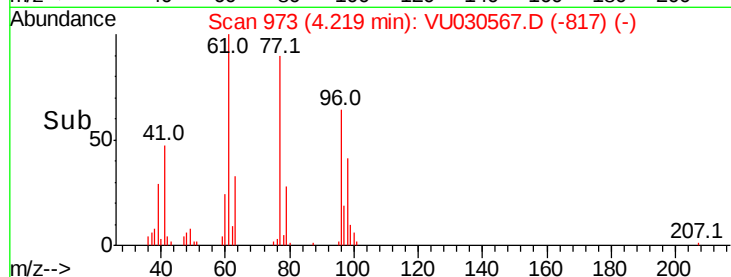
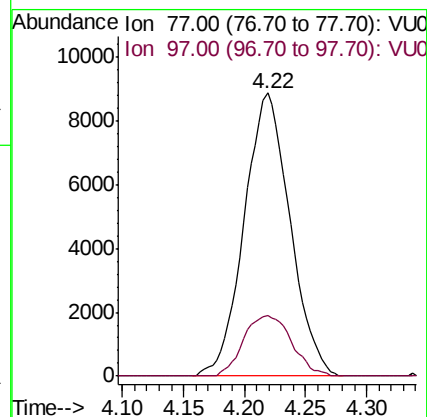
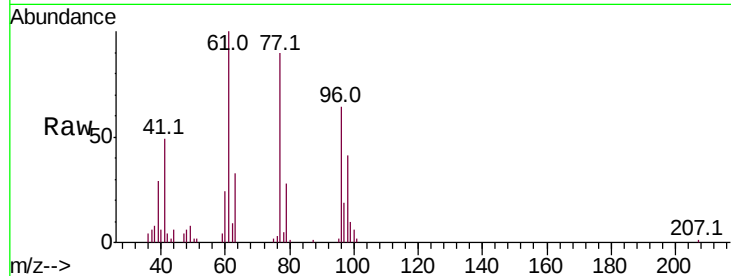
97 22.5 17.6 26.4

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#22

cis-1,2-Dichloroethene

Concen: 0.912 ug/l

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

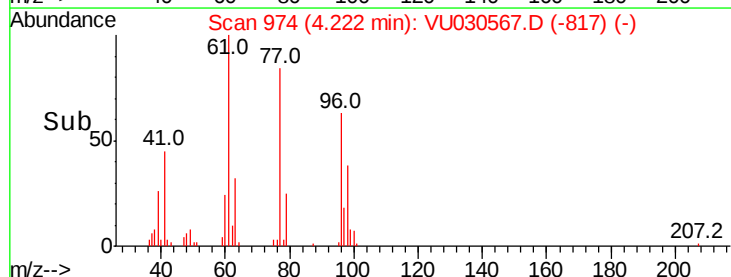
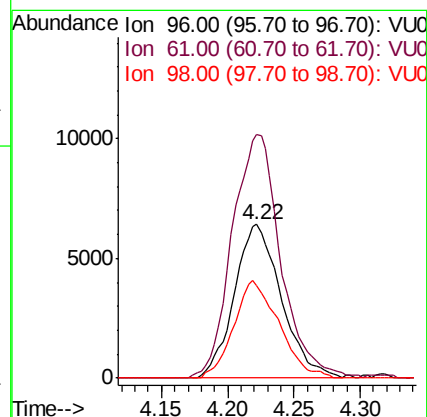
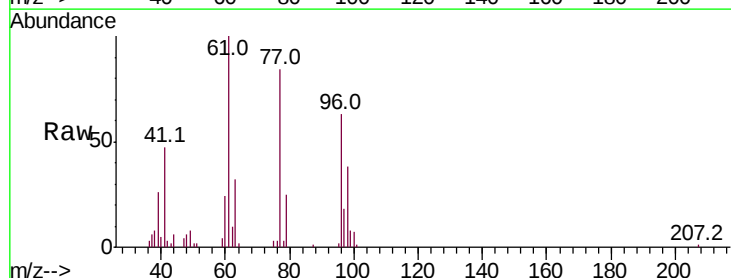
Tgt Ion: 96 Resp: 15848

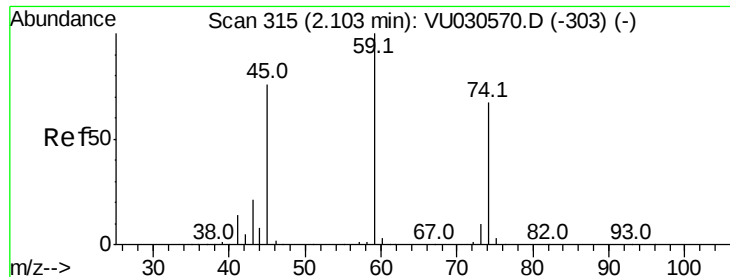
Ion Ratio Lower Upper

96 100

61 163.2 0.0 427.0

98 61.0 32.5 97.4





#23

Diethyl Ether

Concen: 1.146 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

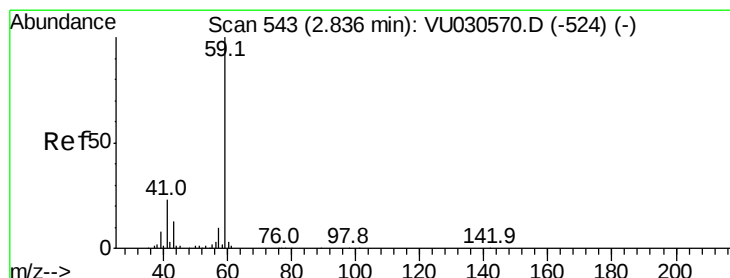
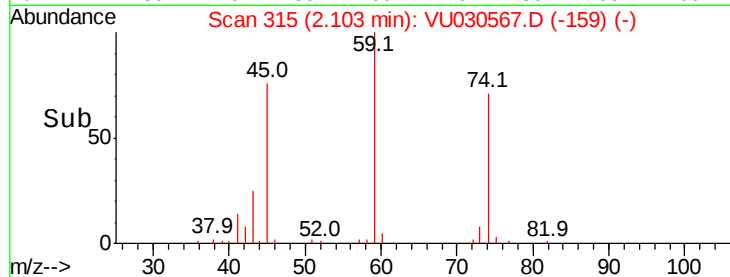
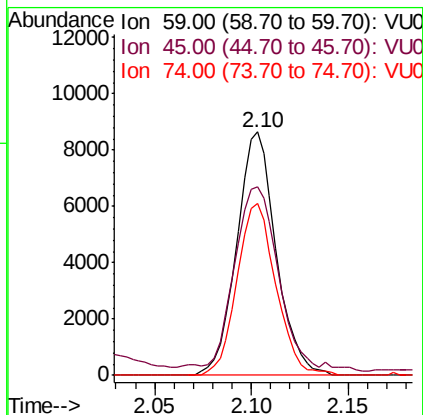
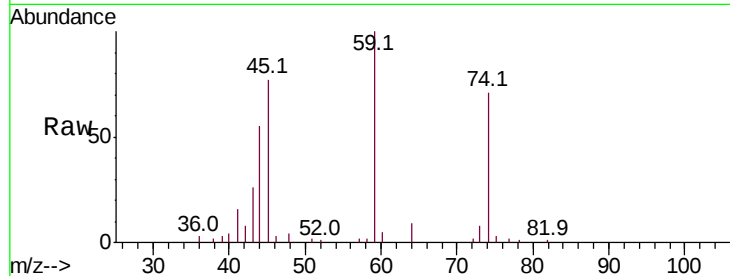
ClientSampleId :

VSTDIC001

Tot Ion:	59	Resp:	12219
Ion	Ratio	Lower	Upper
59	100		
45	80.4	61.6	92.4
74	70.0	53.2	79.8

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#24

tert-Butyl Alcohol

Concen: 10.068 ug/l

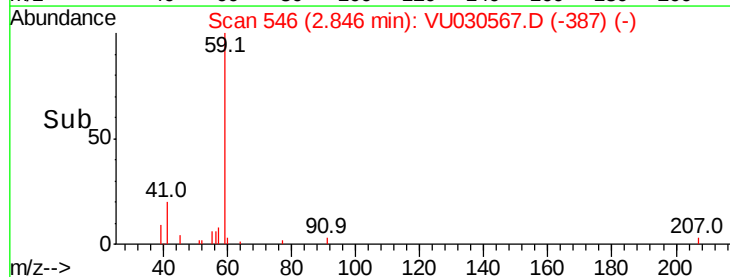
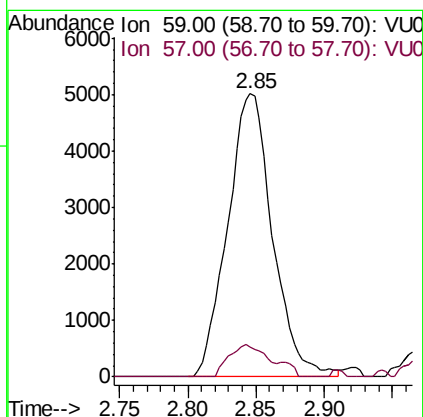
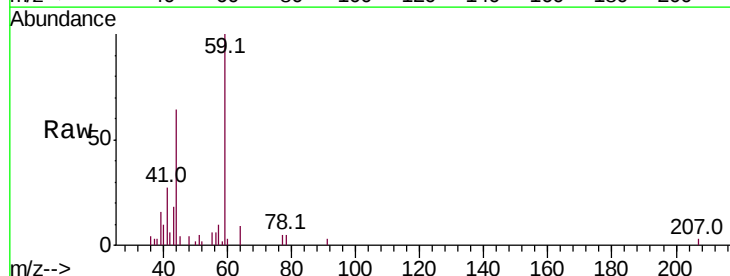
RT: 2.85 min Scan# 546

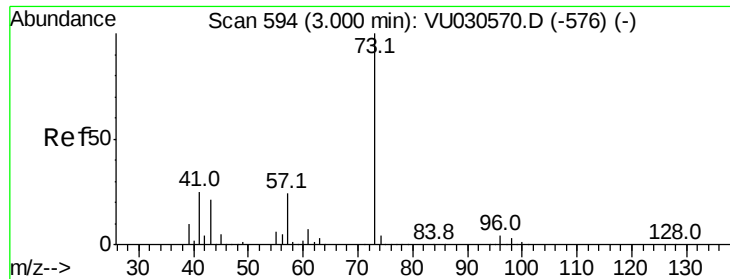
Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	59	Resp:	11459
Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.4	12.6





#25

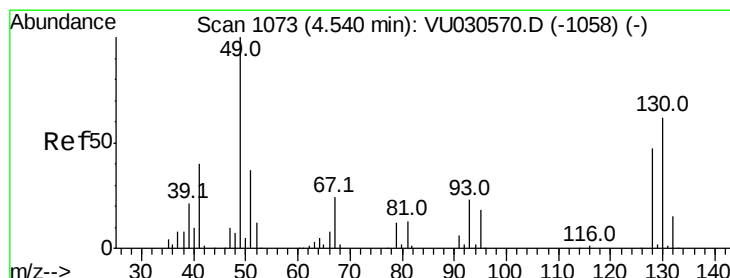
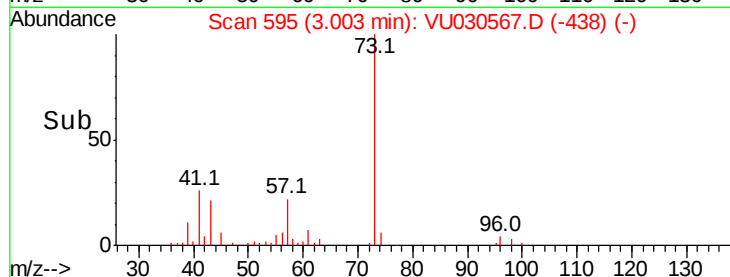
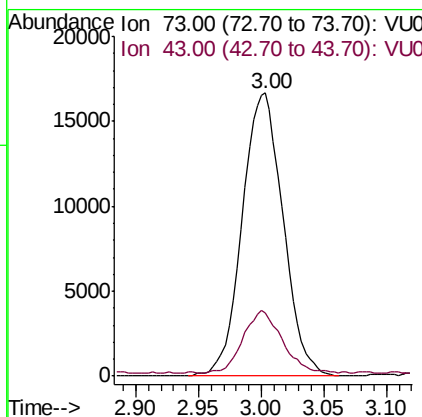
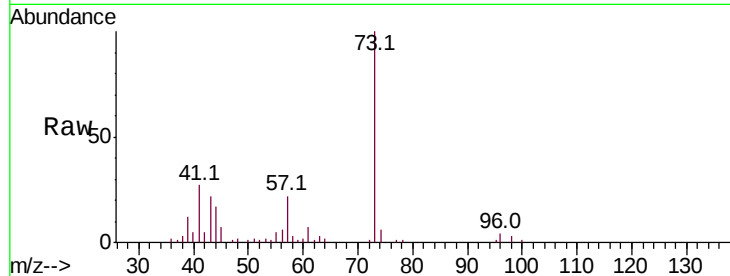
Methyl tert-Butyl Ether
 Concen: 1.067 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.0	16.6	24.8

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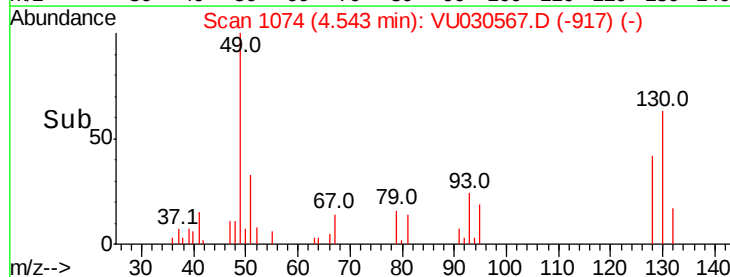
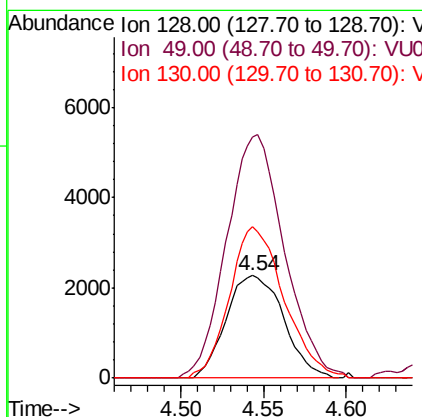
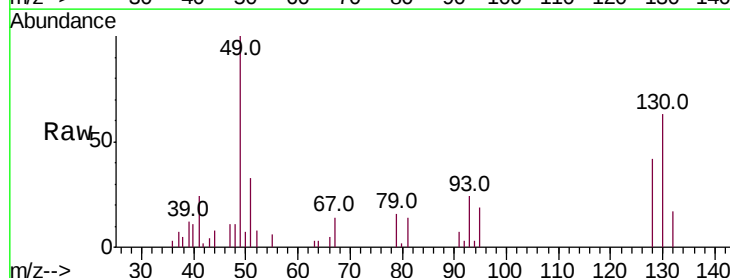
MMDadoda
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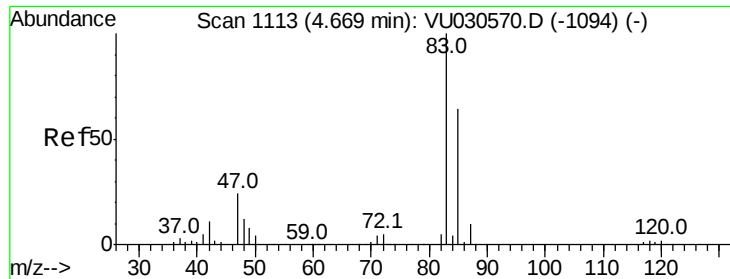


#26

Bromochloromethane
 Concen: 0.735 ug/l
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
128	100		
49	237.8	0.0	418.2
130	140.0	103.4	155.0





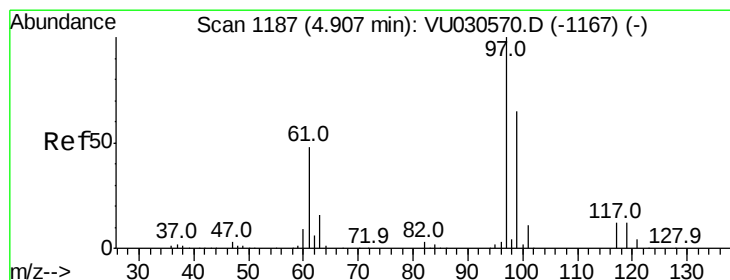
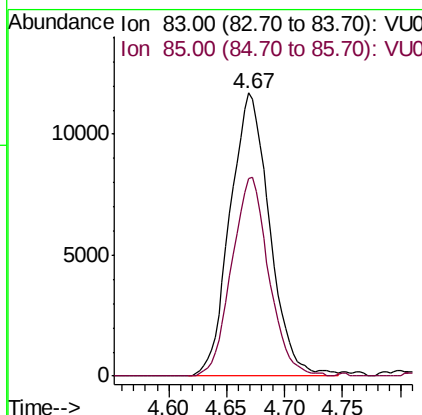
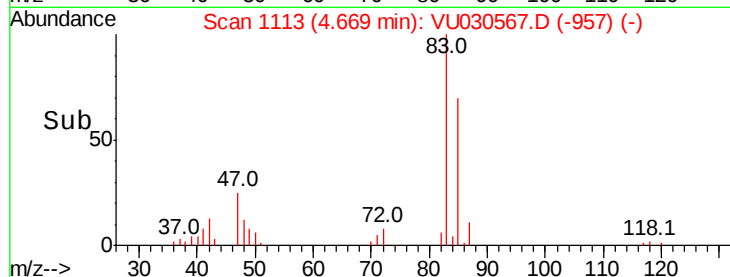
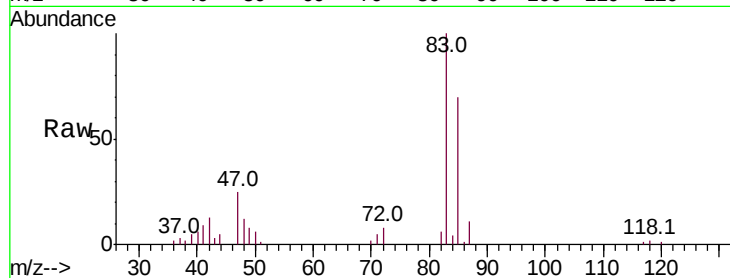
#27
Chloroform
Concen: 0.973 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	85	Ratio	100	69.8	Resp	27750	Lower	Upper

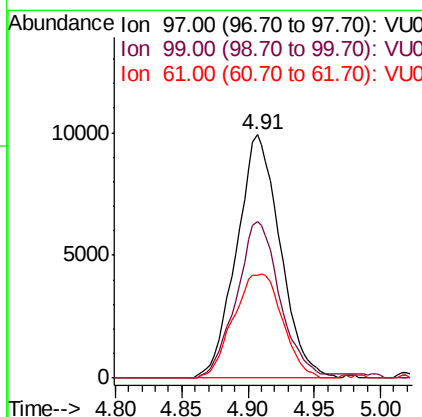
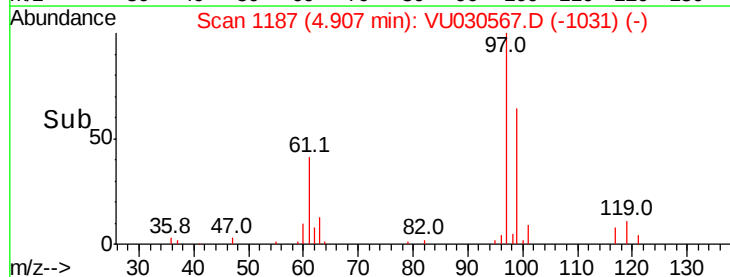
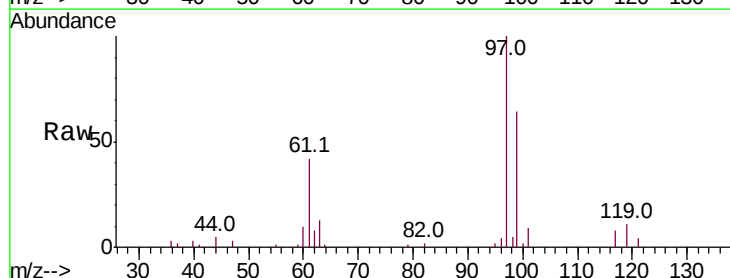
Manual Integrations
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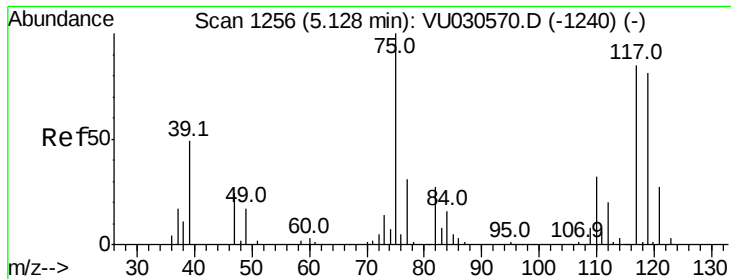
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#28
1,1,1-Trichloroethane
Concen: 0.972 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	97	99	61	Ratio	100	64.4	47.8	Resp	22631	Lower	Upper





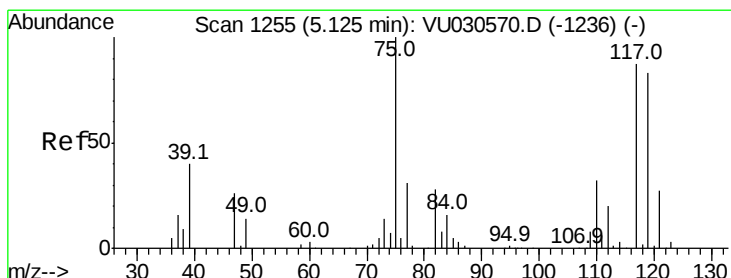
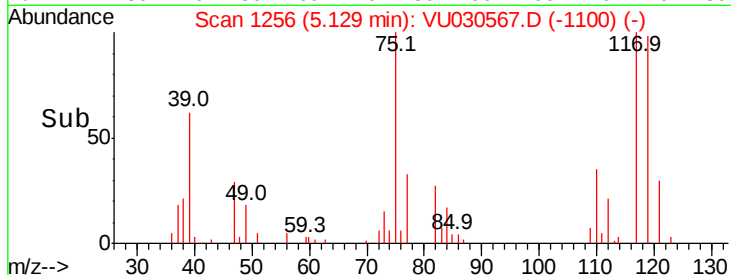
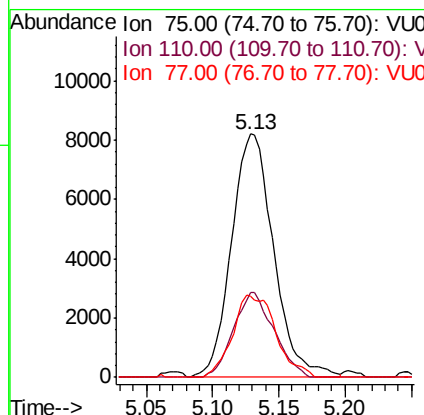
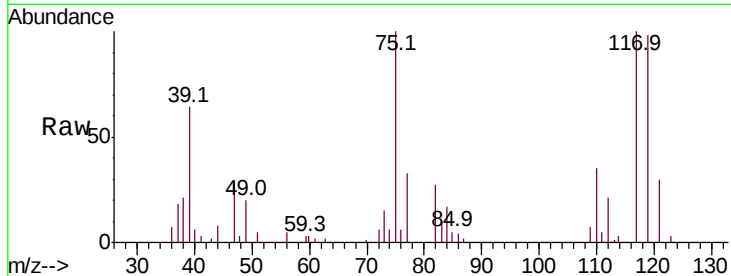
#29
 1,1-Dichloropropene
 Concen: 0.859 ug/l
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.0	48.0
77	34.6	24.8	37.2

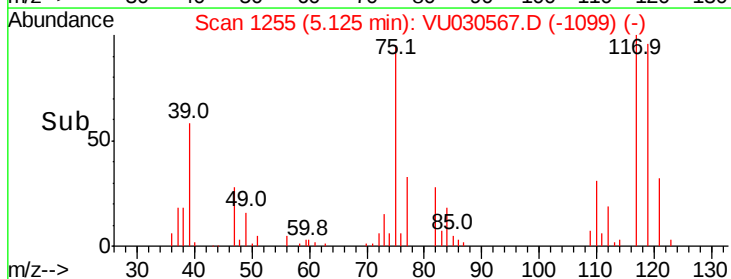
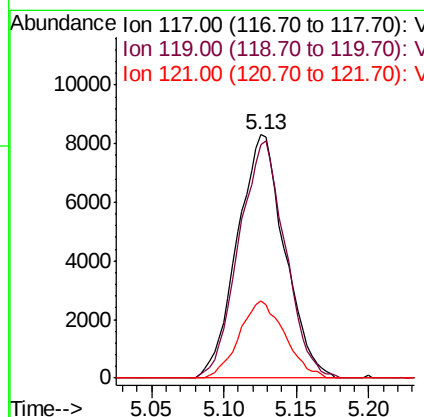
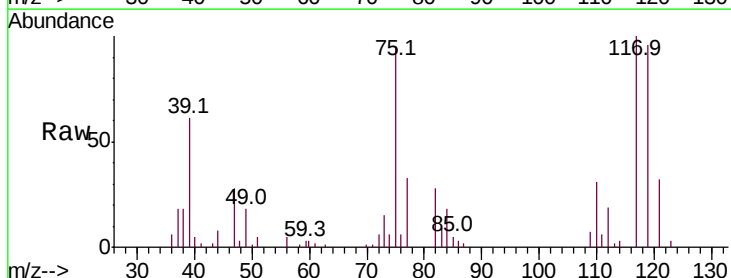
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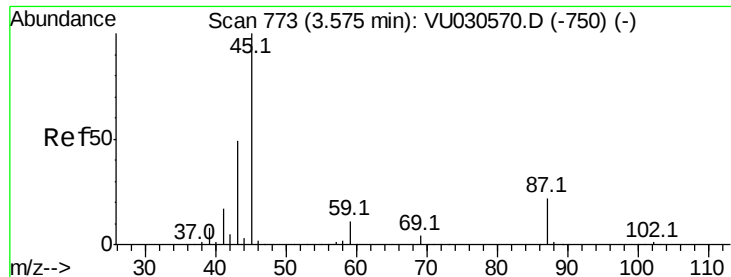
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#30
 Carbon Tetrachloride
 Concen: 0.914 ug/l
 RT: 5.13 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.4	114.6
121	31.9	24.7	37.1





#31

Isopropyl Ether

Concen: 1.228 ug/l

RT: 3.58 min Scan# 773

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 49357

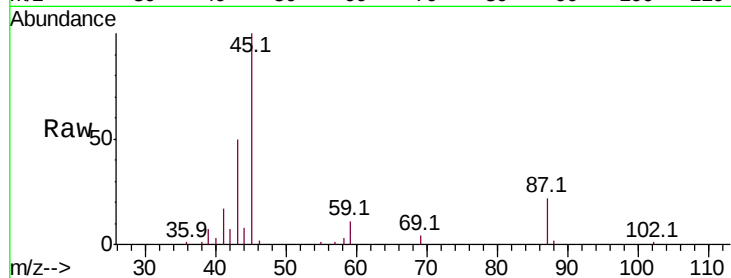
Ion Ratio Lower Upper

45 100

43 51.1 25.0 75.0

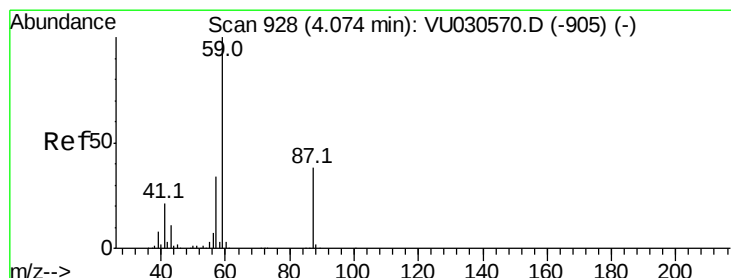
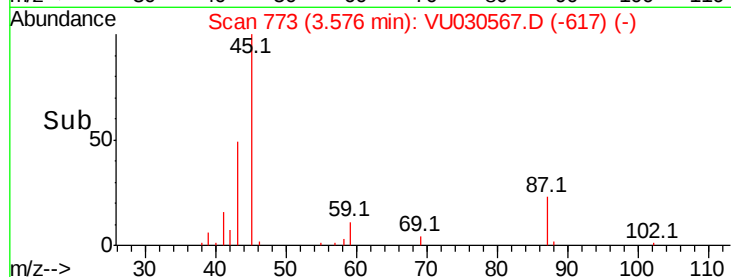
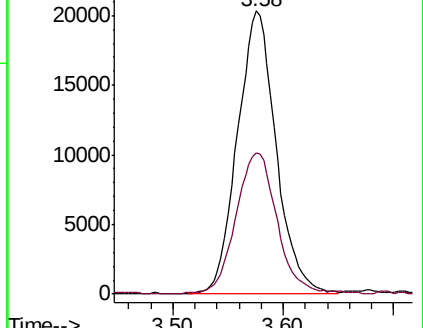
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Abundance Ion 45.00 (44.70 to 45.70): VU030567.D (-617) (-)

Ion 43.00 (42.70 to 43.70): VU030567.D (-617) (-)



#32

Ethyl-t-butyl ether

Concen: 1.011 ug/l

RT: 4.08 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU030567.D

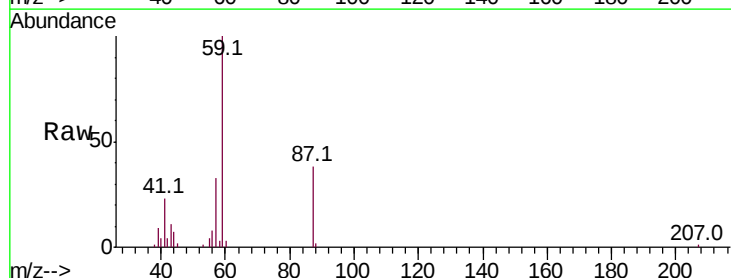
Acq: 30 Mar 2019 10:21

Tgt Ion: 59 Resp: 37603

Ion Ratio Lower Upper

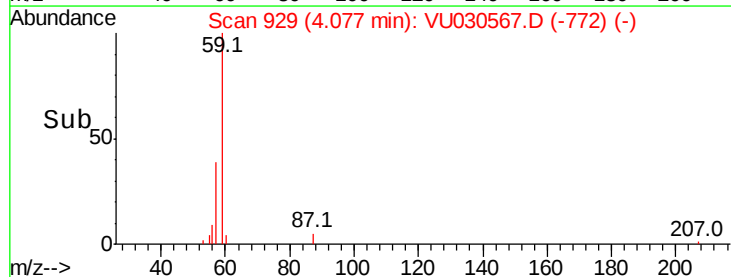
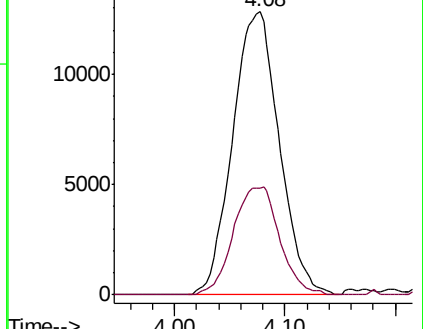
59 100

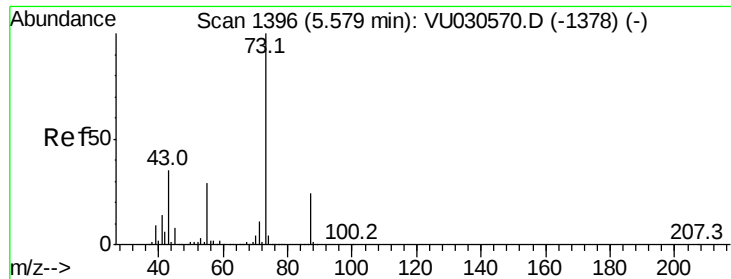
87 37.9 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030567.D (-772) (-)

Ion 87.00 (86.70 to 87.70): VU030567.D (-772) (-)





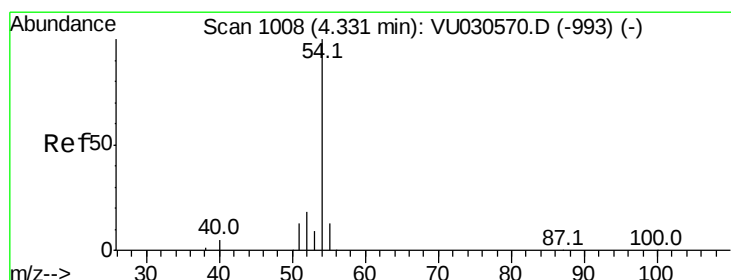
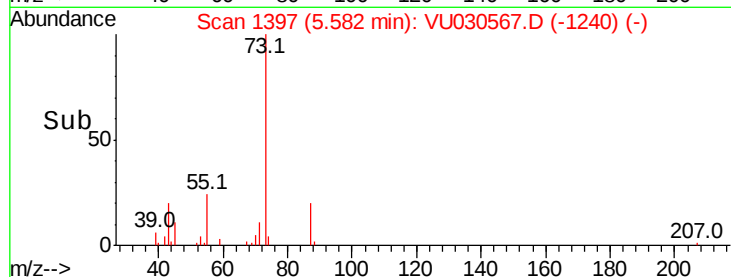
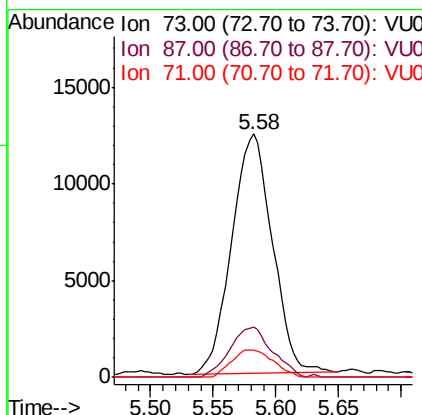
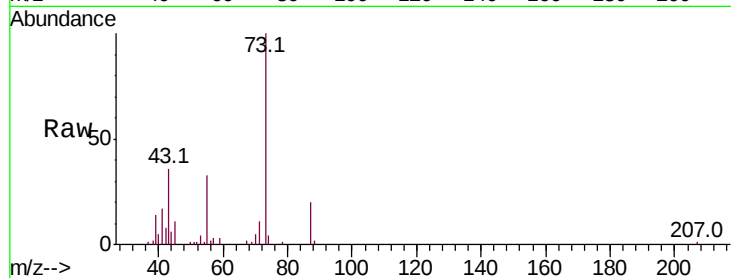
#33
Tert-Butyl methyl ether
Concen: 0.831 ug/l
RT: 5.58 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.0	18.6	27.8
71	11.8	9.0	13.4

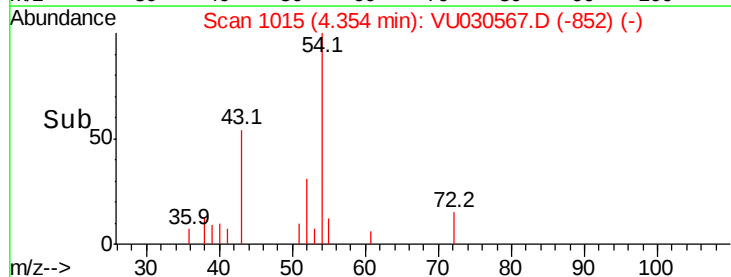
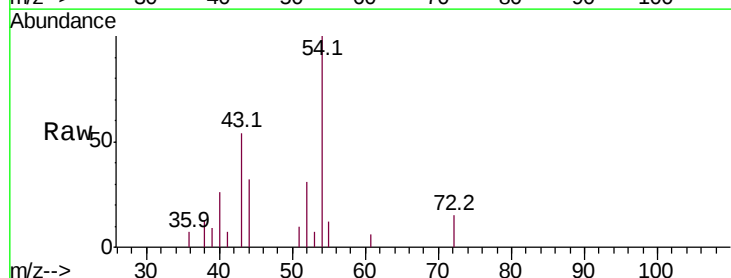
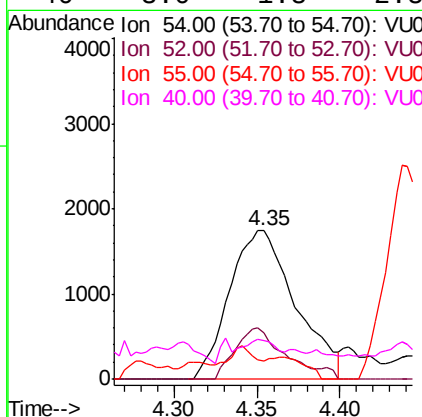
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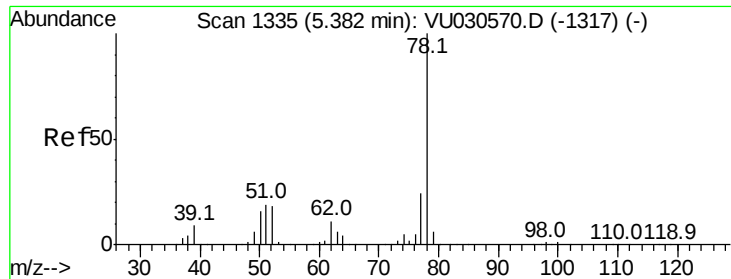
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#34
Propionitrile
Concen: 4.580 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
54	100		
52	24.7	14.1	21.1#
55	0.0	10.4	15.6#
40	3.0	1.8	2.8#





#35

Benzene

Concen: 0.974 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 60462

Ion Ratio Lower Upper

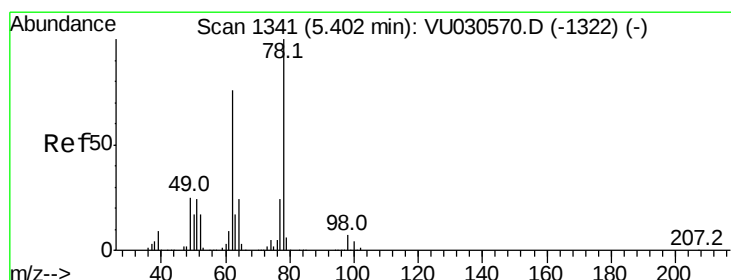
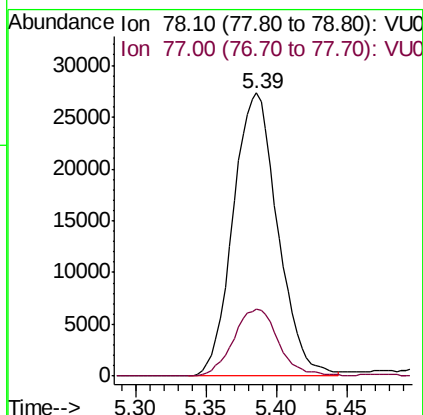
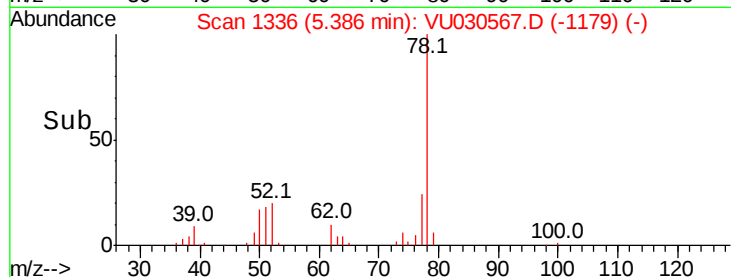
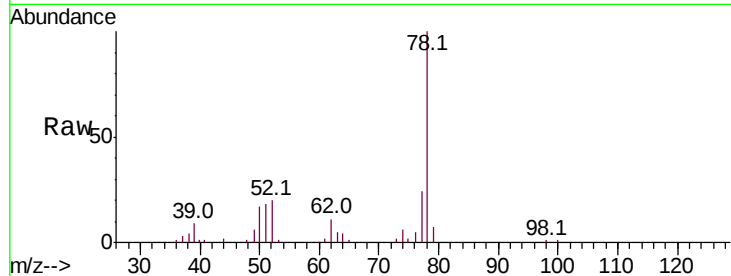
78 100

77 23.7 19.5 29.3

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#36

1,2-Dichloroethane

Concen: 1.077 ug/l

RT: 5.41 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VU030567.D

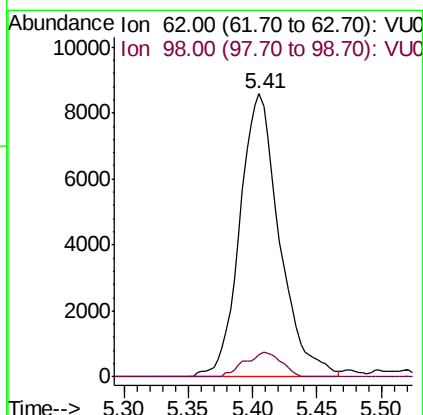
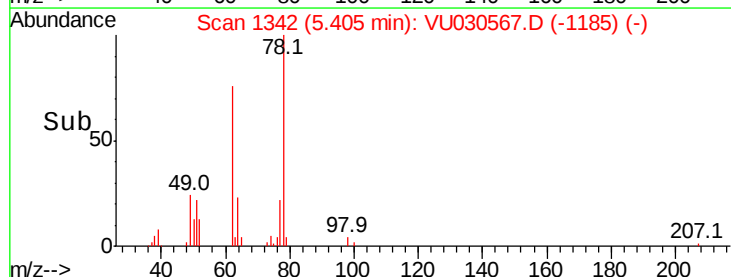
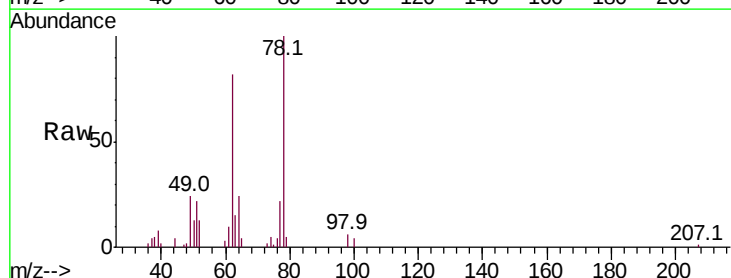
Acq: 30 Mar 2019 10:21

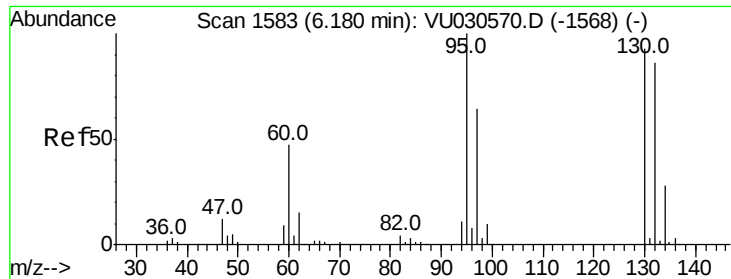
Tgt Ion: 62 Resp: 18387

Ion Ratio Lower Upper

62 100

98 8.0 6.8 10.2





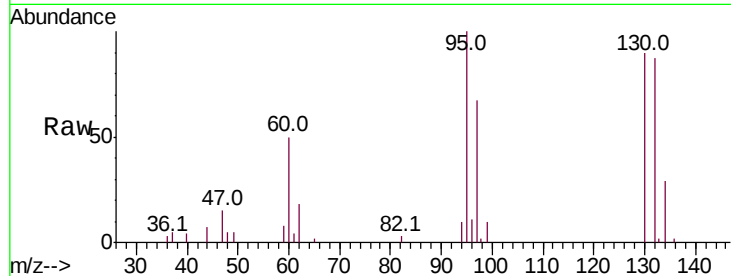
#37
 Trichloroethene
 Concen: 0.801 ug/l
 RT: 6.18 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

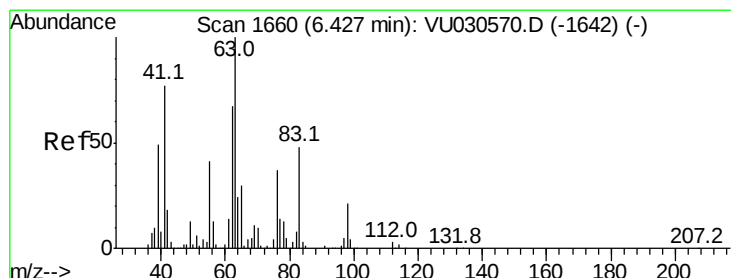
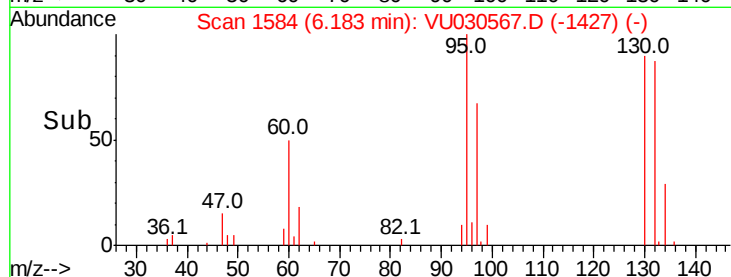
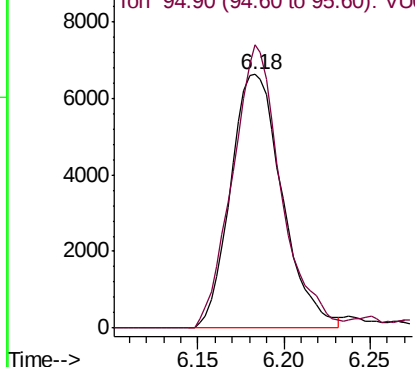
Tot Ion:130 Resp: 13865
 Ion Ratio Lower Upper
 130 100
 95 111.6 85.8 128.8

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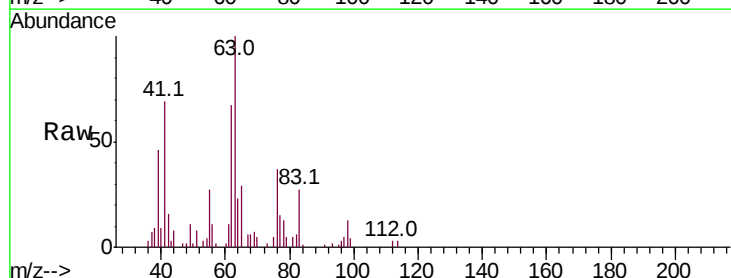


Abundance Ion 129.90 (129.60 to 130.60): VU030570.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030570.D (-1568) (-)

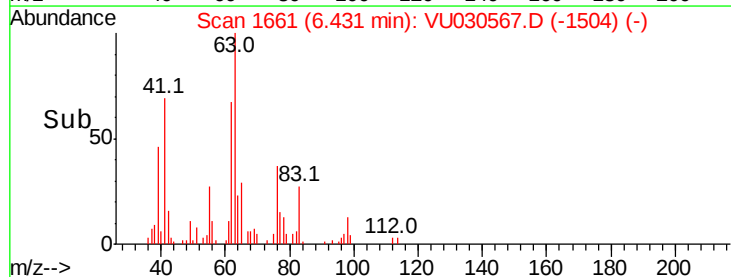
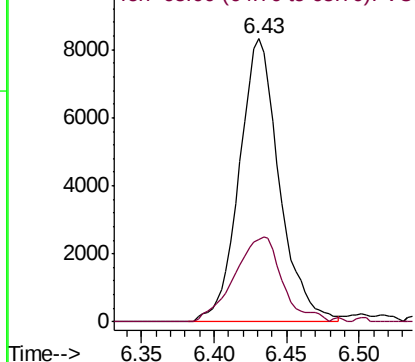


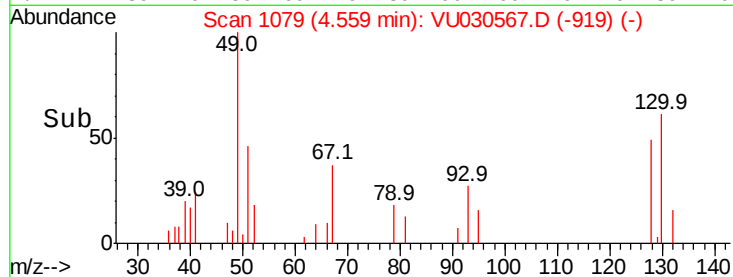
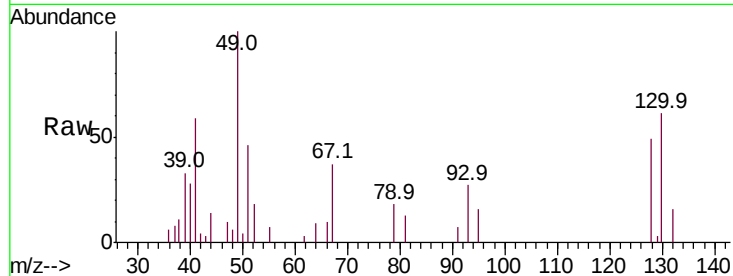
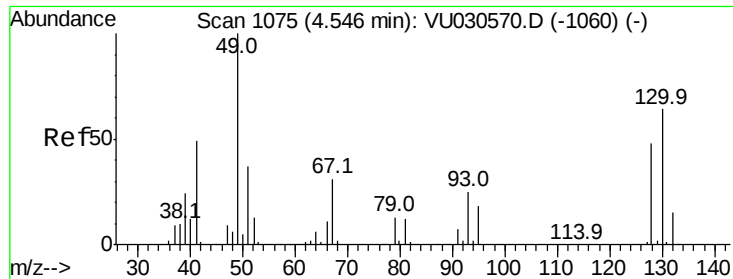
#38
 1,2-Dichloropropane
 Concen: 0.997 ug/l
 RT: 6.43 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion: 63 Resp: 16004
 Ion Ratio Lower Upper
 63 100
 65 29.1 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) (-)





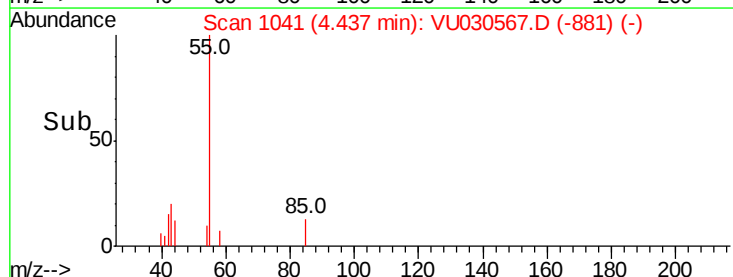
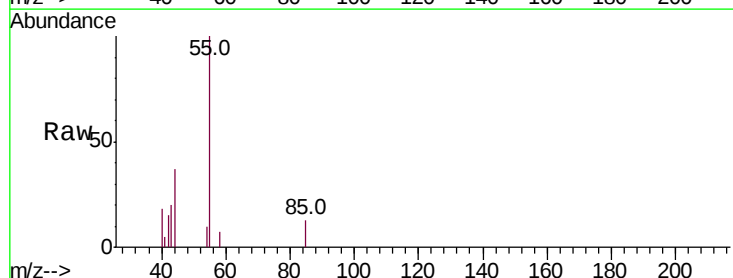
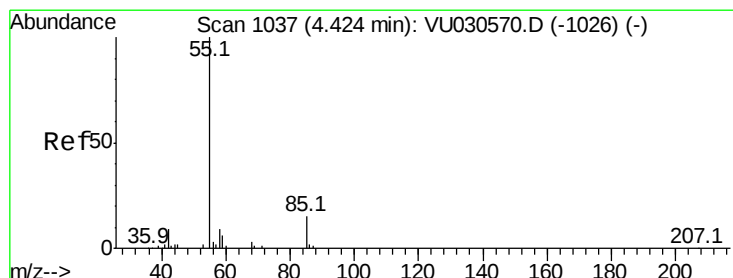
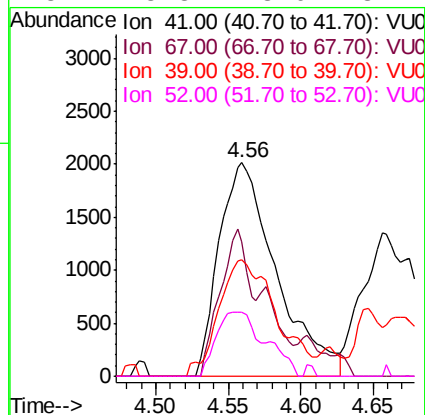
#39
Methacrylonitrile
Concen: 1.178 ug/l
RT: 4.56 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tot Ion	Ratio	Lower	Upper
41	100		
67	35.8	50.2	75.4#
39	54.5	40.7	61.1
52	25.8	23.0	34.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

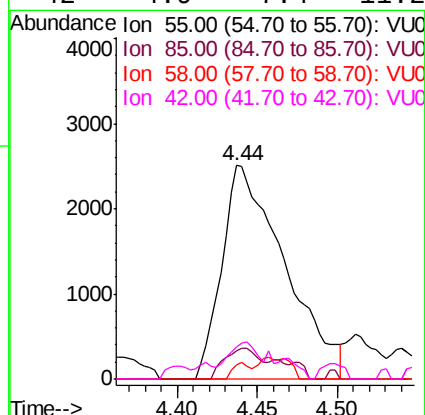
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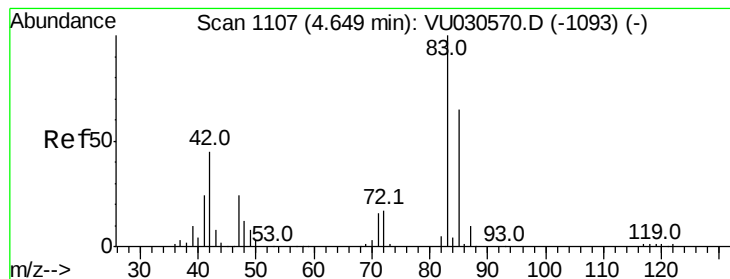
MMDadoda
4/5/2019 2:37:57 PM



#40
Methyl acrylate
Concen: 0.948 ug/l
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
55	100		
85	8.3	12.5	18.7#
58	2.1	6.3	9.5#
42	4.9	7.4	11.2#





#41

Tetrahydrofuran

Concen: 2.031 ug/l

RT: 4.66 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

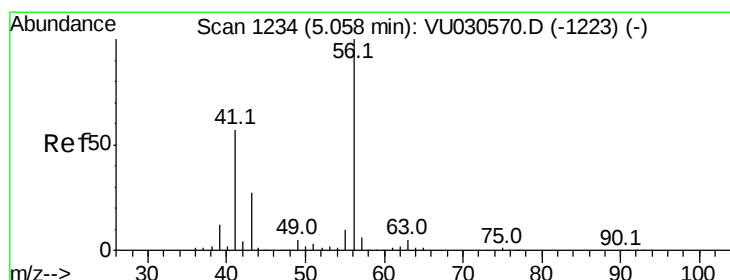
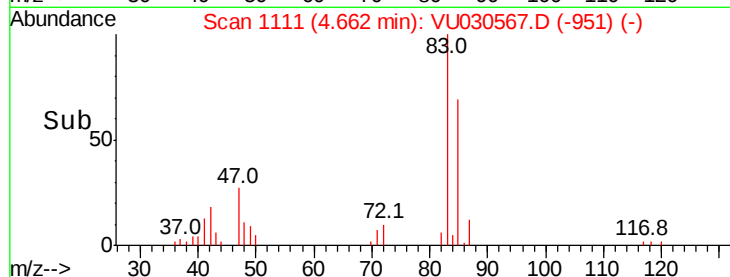
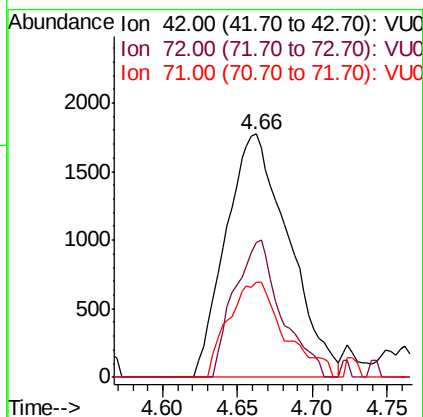
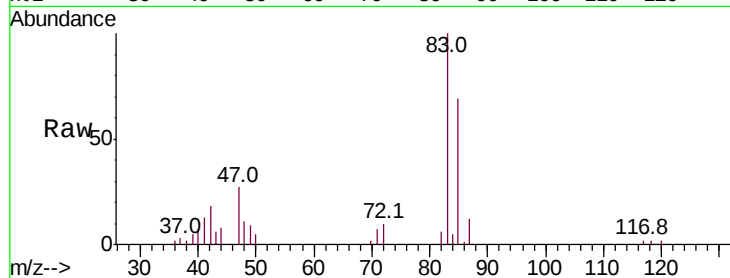
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	5178
Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.4	50.0
71	35.0	28.8	43.2

Manual Integrations
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#42

1-Chlorobutane

Concen: 0.983 ug/l

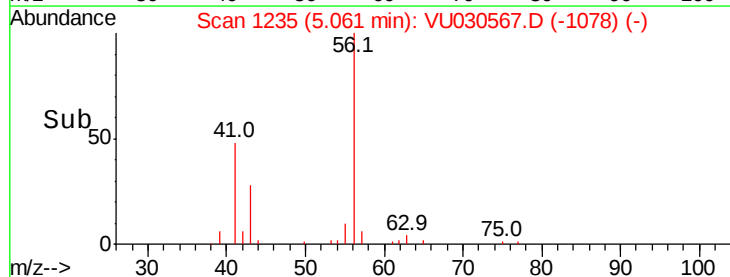
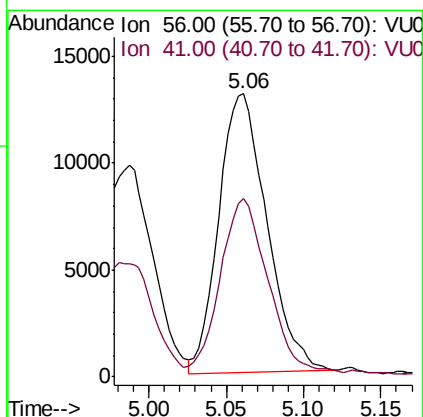
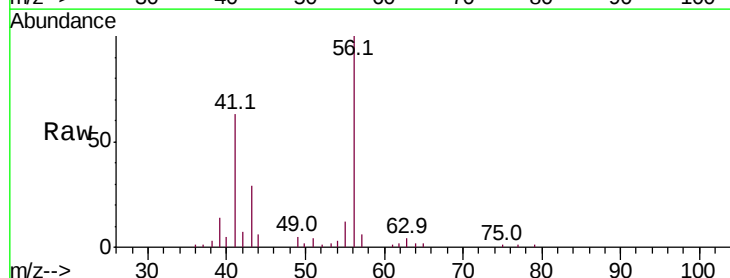
RT: 5.06 min Scan# 1235

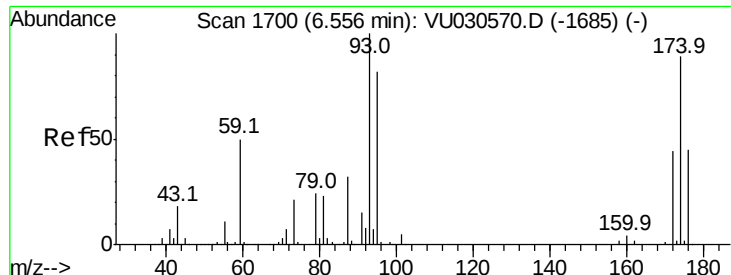
Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	56	Resp:	28120
Ion	Ratio	Lower	Upper
56	100		
41	62.3	28.5	85.6





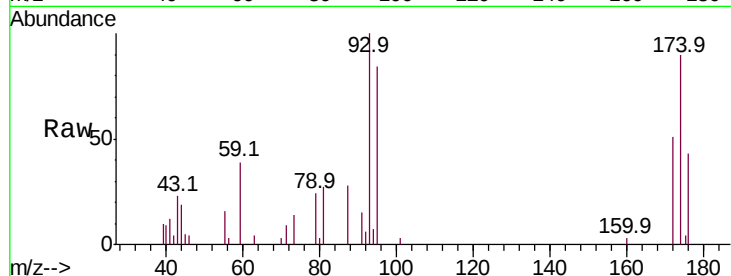
#43
Dibromomethane
Concen: 0.935 ug/l
RT: 6.56 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

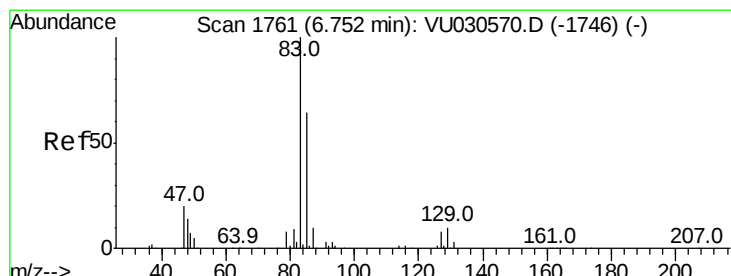
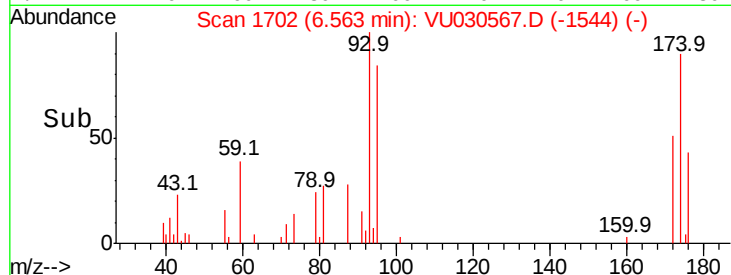
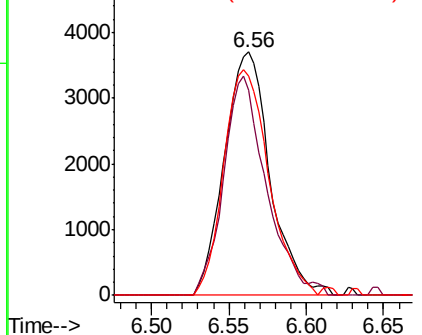
Tot Ion	Ratio	Lower	Upper
93	100		
95	84.4	63.9	95.9
174	91.6	71.0	106.4

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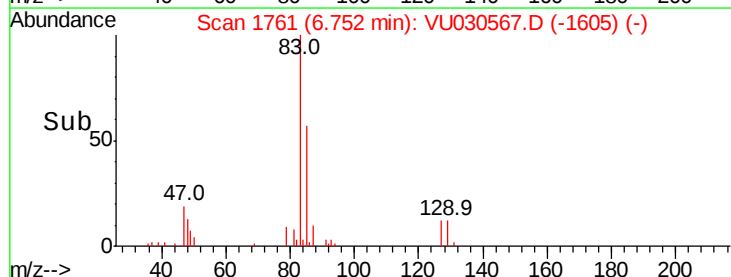
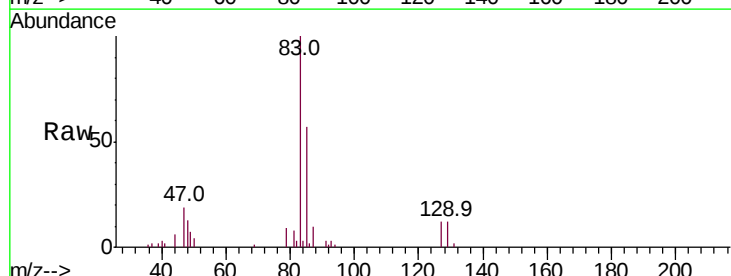
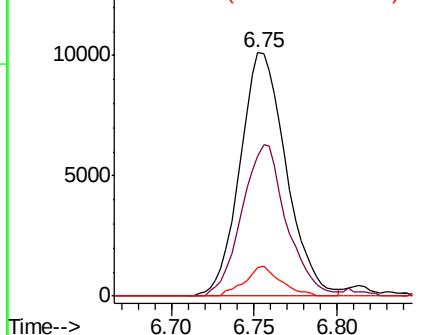
Abundance Ion 93.00 (92.70 to 93.70): VU030570.D (-1685) (-)
Ion 95.00 (94.70 to 95.70): VU030570.D (-1685) (-)
Ion 174.00 (173.70 to 174.70): VU030570.D (-1685) (-)

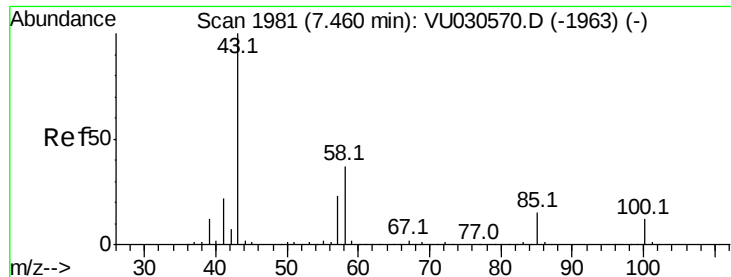


#44
Bromodichloromethane
Concen: 0.996 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.4	51.1	76.7
127	12.0	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: 5.353 ug/l

RT: 7.47 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 45897

Ion Ratio Lower Upper

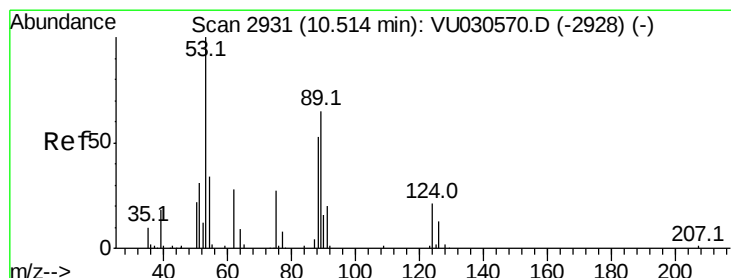
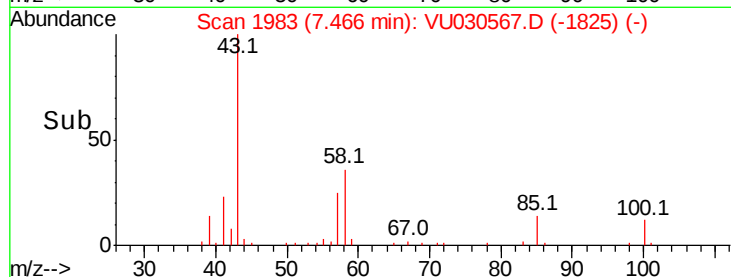
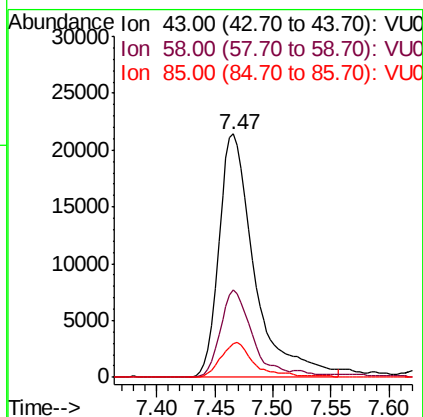
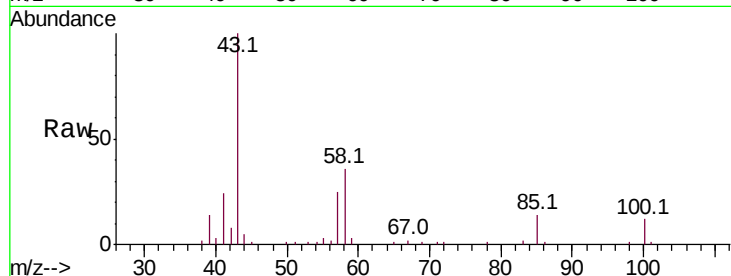
43 100

58 31.6 18.6 55.8

85 13.2 11.8 17.6

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#46

t-1,4-Dichloro-2-butene

Concen: 1.819 ug/l m

RT: 10.52 min Scan# 2933

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion: 75 Resp: 5718

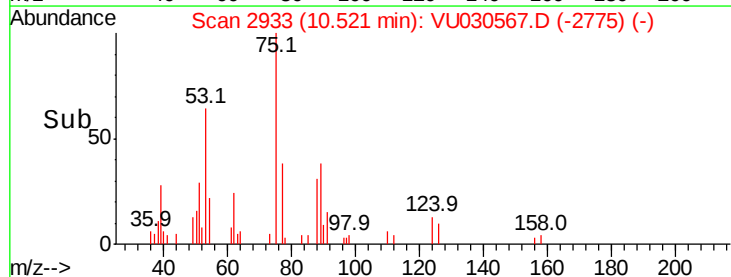
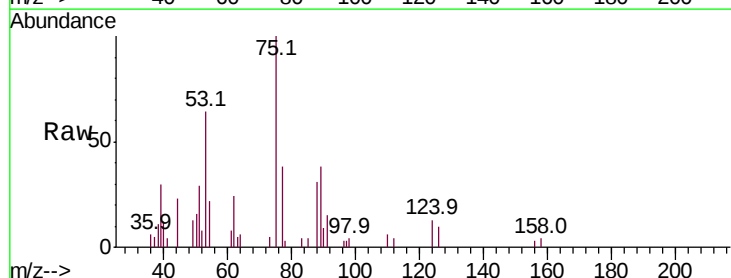
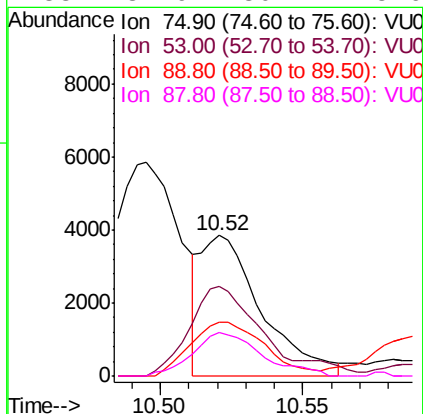
Ion Ratio Lower Upper

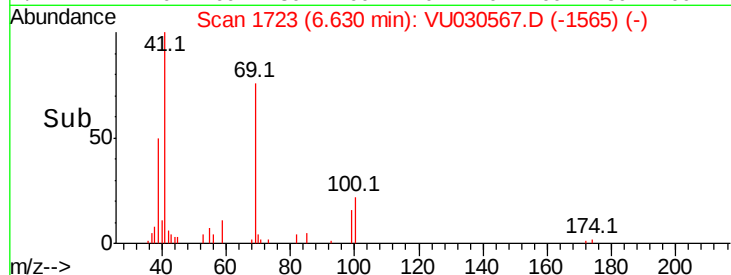
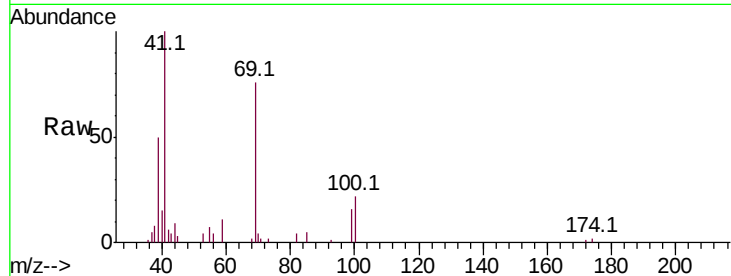
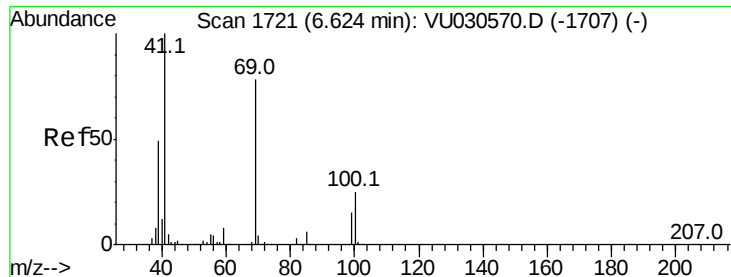
75 100

53 77.1 63.4 95.2

89 46.9 39.1 58.7

88 34.9 30.4 45.6





#47

Methyl methacrylate

Concen: 1.646 ug/l

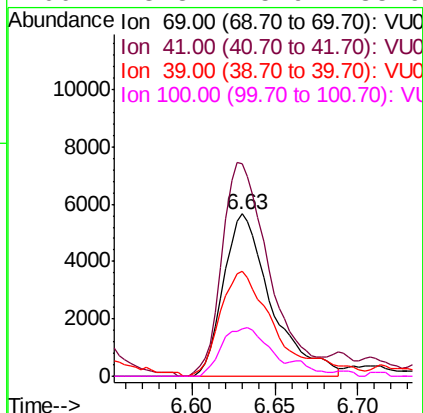
RT: 6.63 min Scan# 1723

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

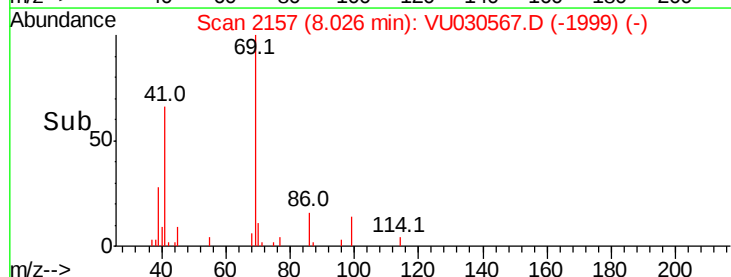
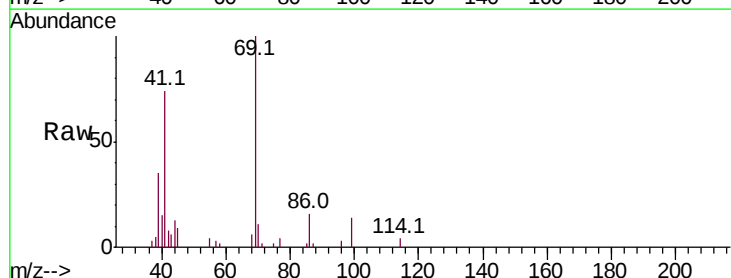
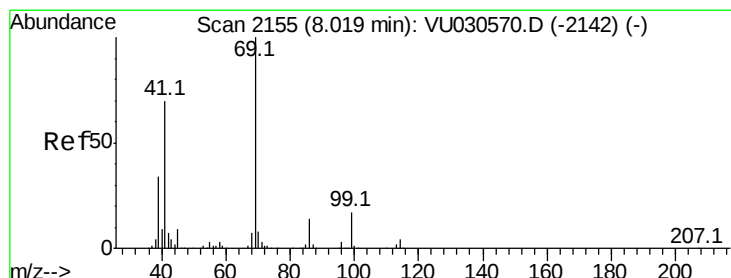
Tot Ion	Ratio	Lower	Upper
69	100		
41	130.5	0.0	258.0
39	75.5	51.0	76.4
100	28.8	25.9	38.9



Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Manual Integrations
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#48

Ethyl methacrylate

Concen: 0.839 ug/l

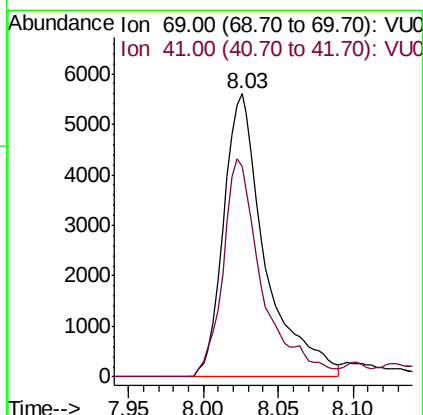
RT: 8.03 min Scan# 2157

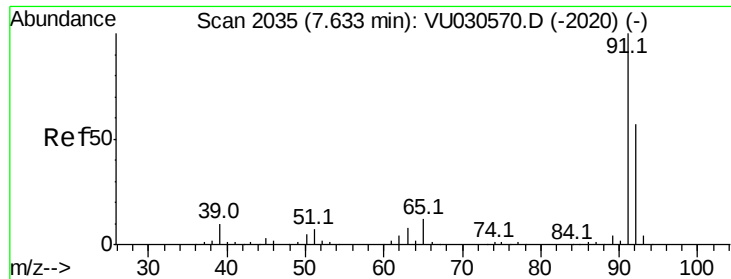
Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.2	36.1	108.5





#49

Toluene

Concen: 0.817 ug/l

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 30147

Ion Ratio Lower Upper

92 100

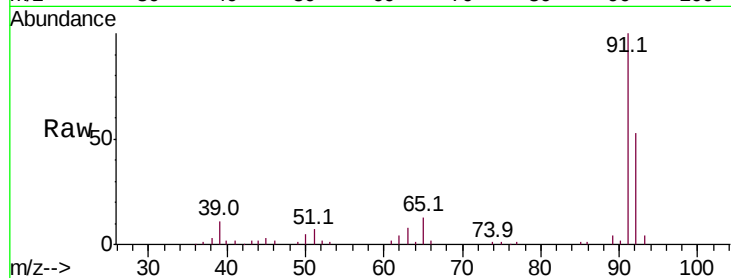
91 184.8 140.2 210.4

Manual Integrations

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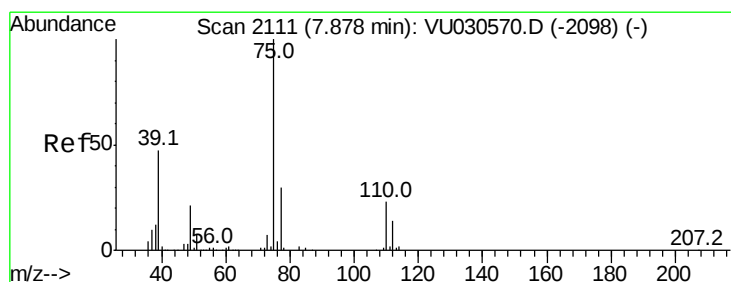
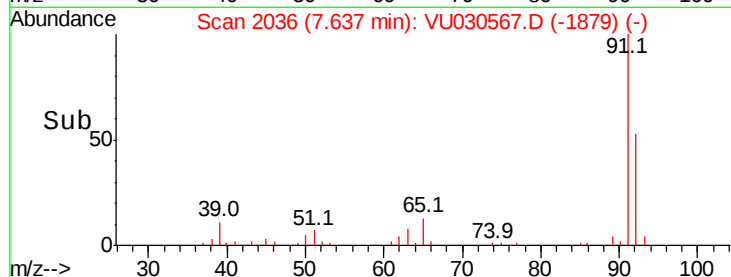
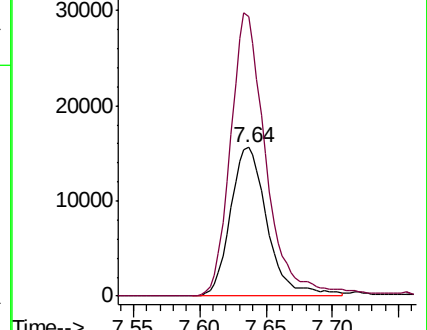
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Abundance Ion 92.00 (91.70 to 92.70): VU030570.D (-2020) (-)

Ion 91.00 (90.70 to 91.70): VU030570.D (-2020) (-)



#50

t-1,3-Dichloropropene

Concen: 0.839 ug/l

RT: 7.88 min Scan# 2113

Delta R.T. 0.01 min

Lab File: VU030567.D

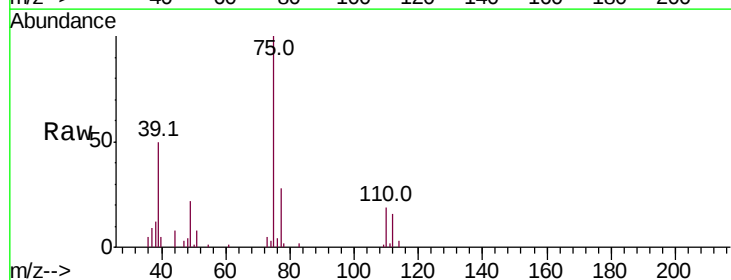
Acq: 30 Mar 2019 10:21

Tgt Ion: 75 Resp: 14692

Ion Ratio Lower Upper

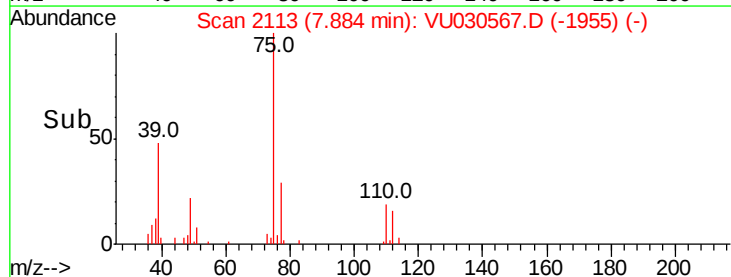
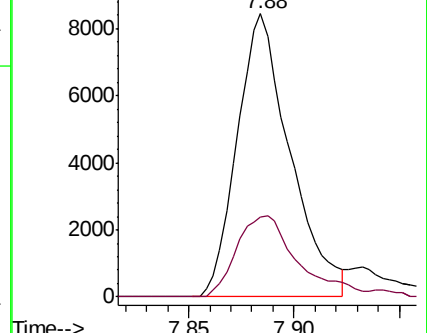
75 100

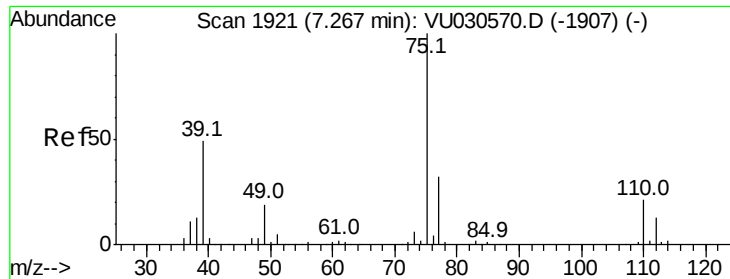
77 28.2 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030570.D (-2098) (-)

Ion 77.00 (76.70 to 77.70): VU030570.D (-2098) (-)





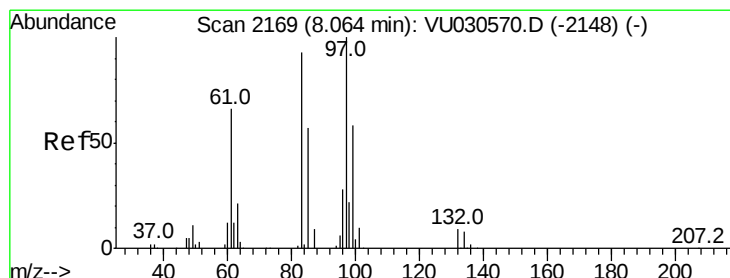
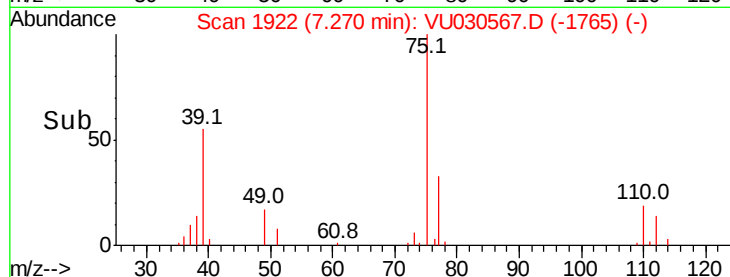
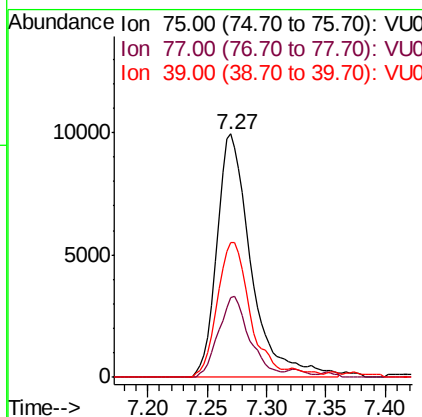
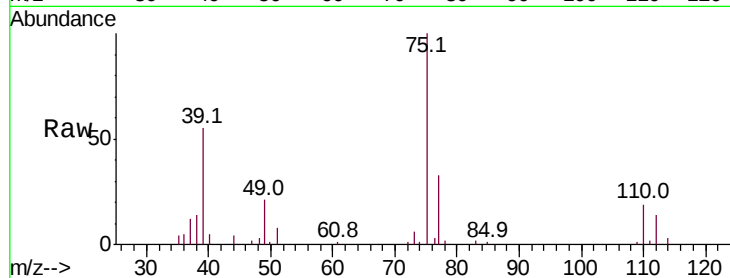
#51
 cis-1,3-Dichloropropene
 Concen: 0.910 ug/l
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
75	100	19857		
77	32.7		25.8	38.6
39	55.4		39.3	58.9

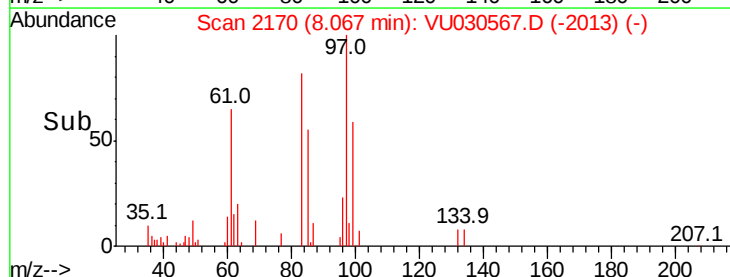
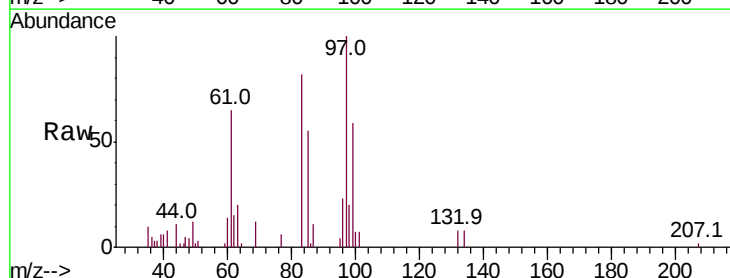
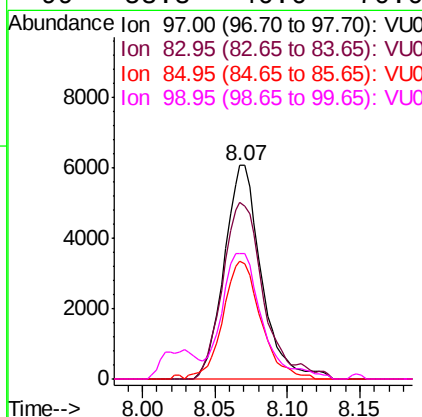
Manual Integrations
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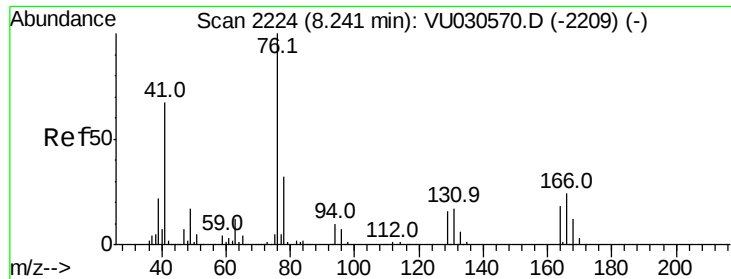
MMDadoda
 4/5/2019 2:37:57 PM



#52
 1,1,2-Trichloroethane
 Concen: 0.949 ug/l
 RT: 8.07 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	10794		
83	82.4		74.3	111.5
85	55.3		45.4	68.0
99	58.8		46.6	70.0





#53

1,3-Dichloropropane

Concen: 0.926 ug/l

RT: 8.24 min Scan# 2225

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 17920

Ion Ratio Lower Upper

76 100

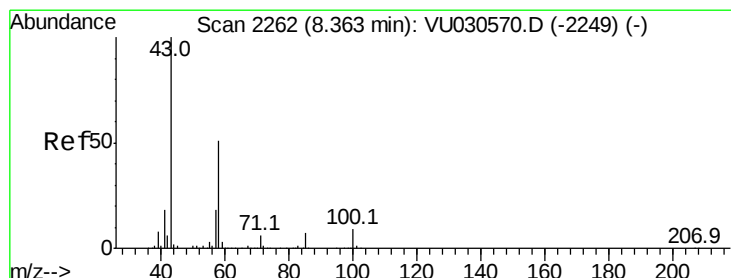
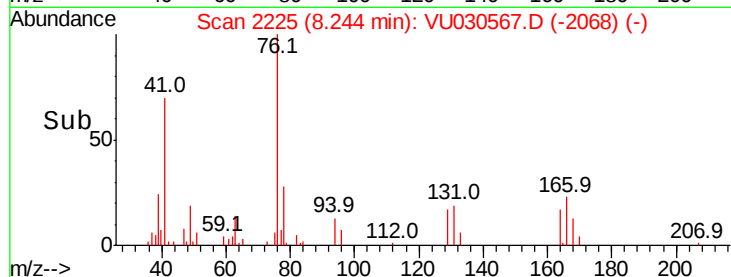
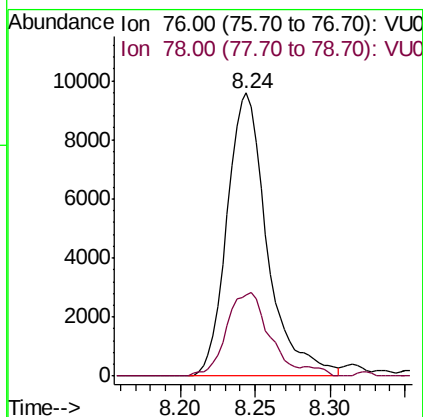
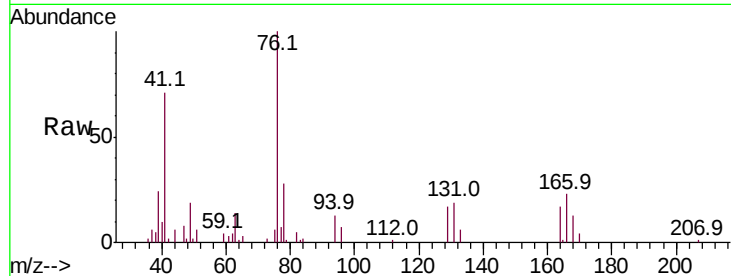
78 31.0 25.3 37.9

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#54

2-Hexanone

Concen: 5.626 ug/l

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

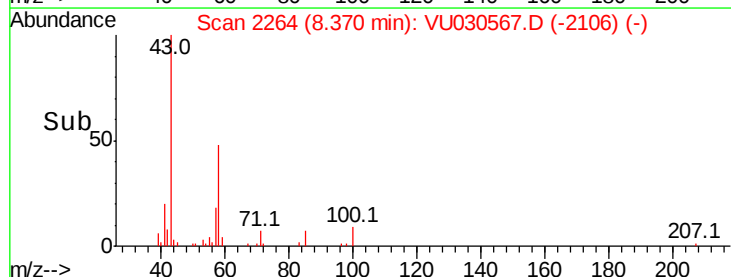
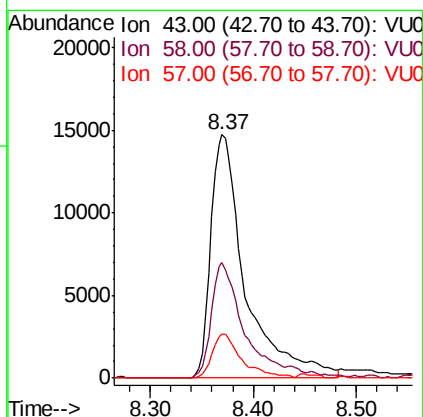
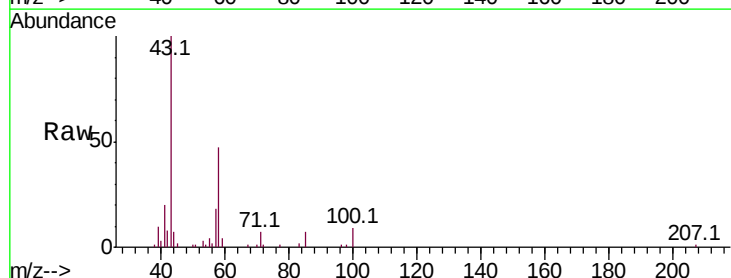
Tgt Ion: 43 Resp: 34399

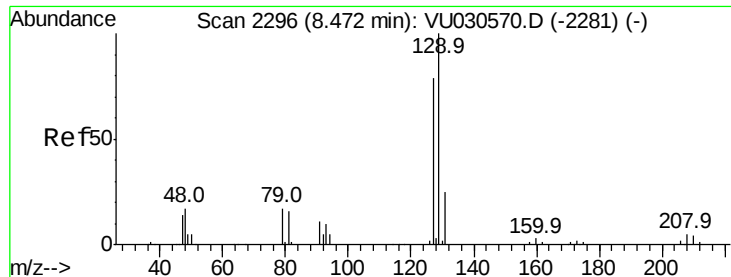
Ion Ratio Lower Upper

43 100

58 43.0 32.5 72.5

57 15.3 0.0 37.6





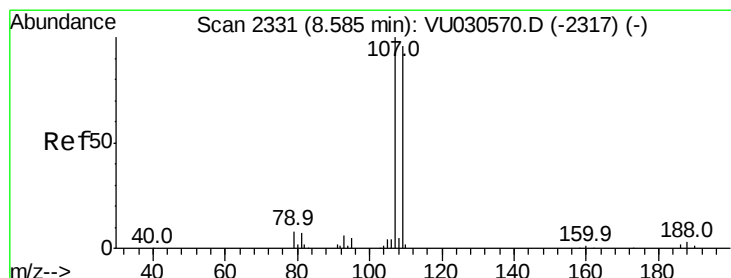
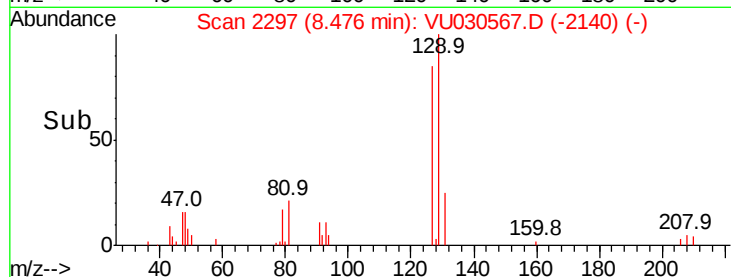
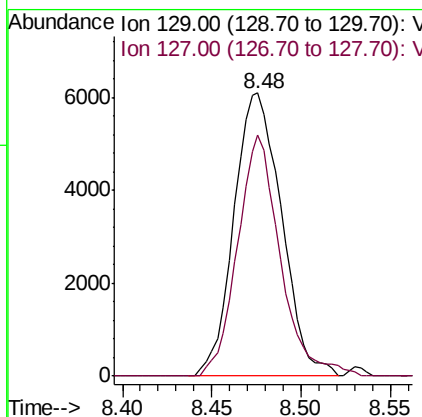
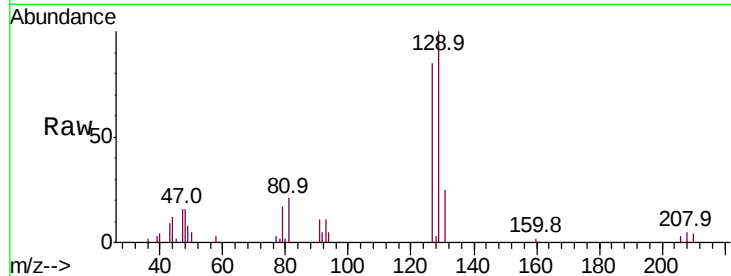
#55
Dibromochloromethane
Concen: 0.837 ug/l
RT: 8.48 min Scan# 2297
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.2	62.2	93.4

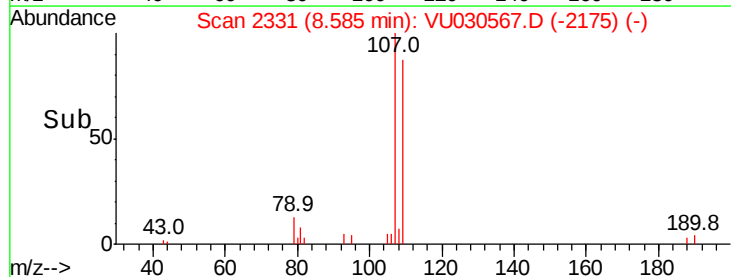
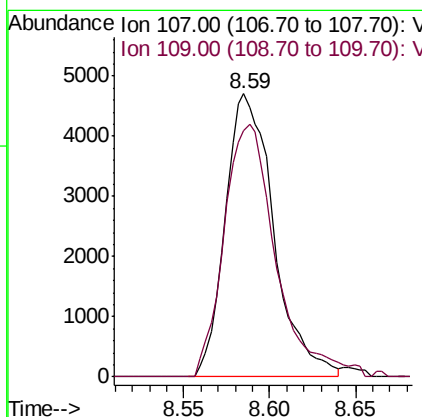
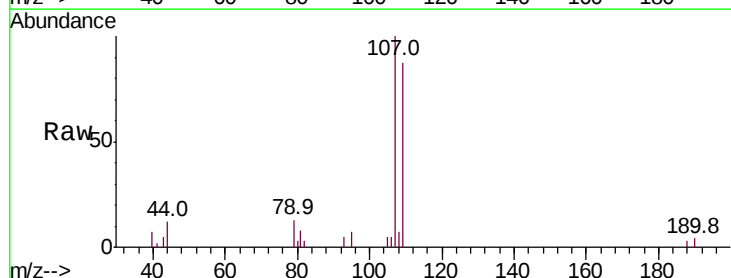
Manual Integrations
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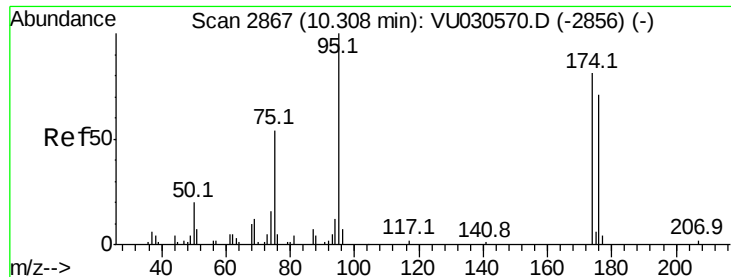
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#56
1,2-Dibromoethane
Concen: 0.851 ug/l
RT: 8.59 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	0.0	190.0





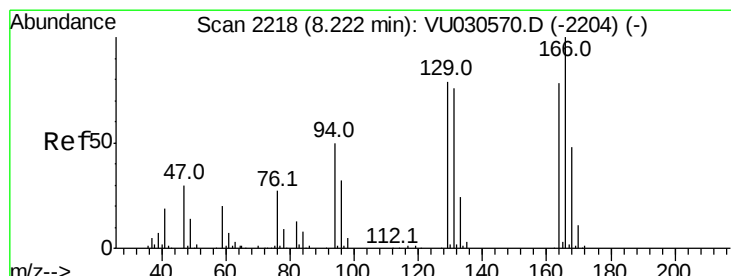
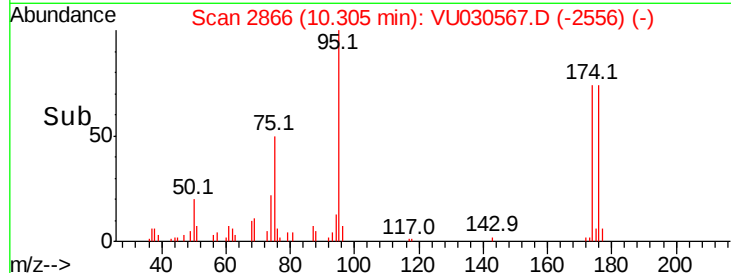
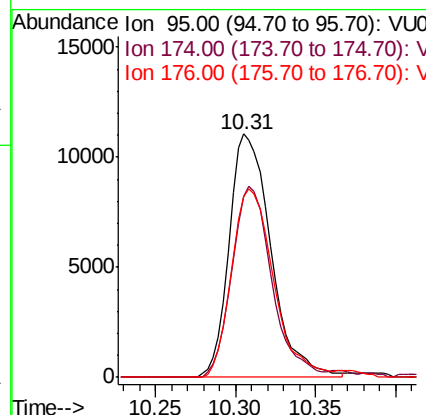
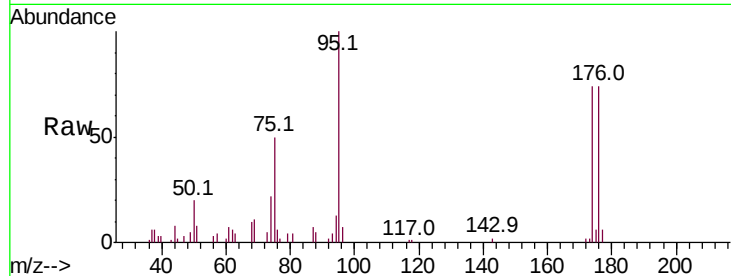
#57
4-Bromofluorobenzene
Concen: 0.851 ug/l
RT: 10.31 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
95	100		
174	74.9	60.5	90.7
176	77.9	57.9	86.9

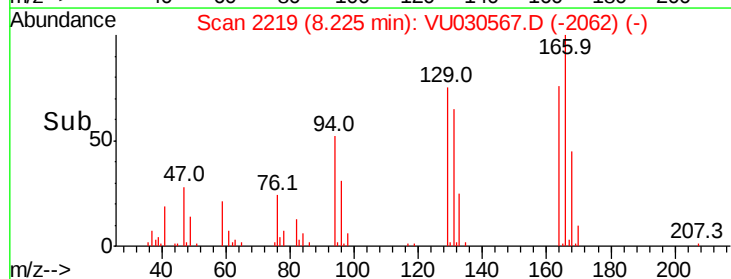
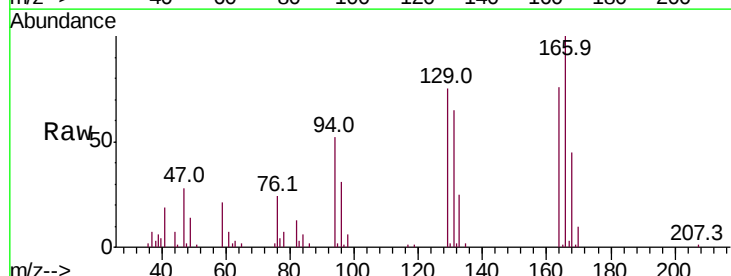
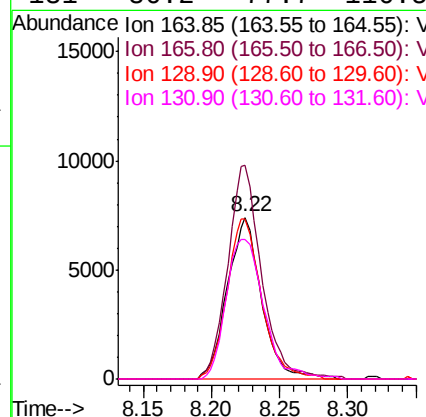
Manual Integrations
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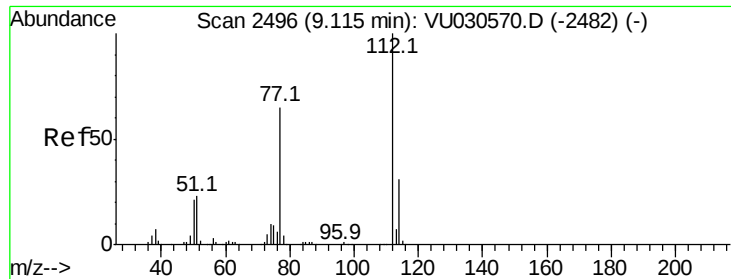
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#58
Tetrachloroethene
Concen: 0.823 ug/l
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.1	102.4	153.6
129	98.8	81.4	122.0
131	86.2	77.7	116.5





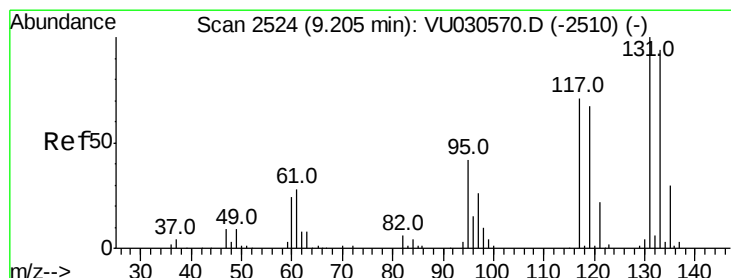
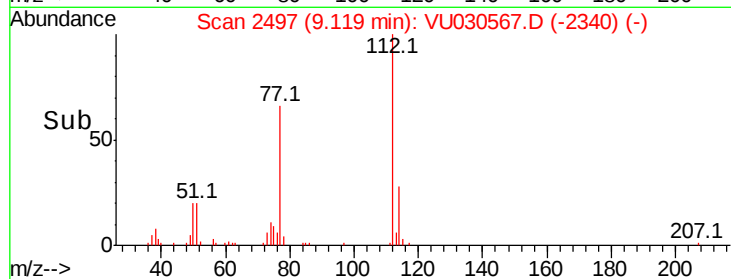
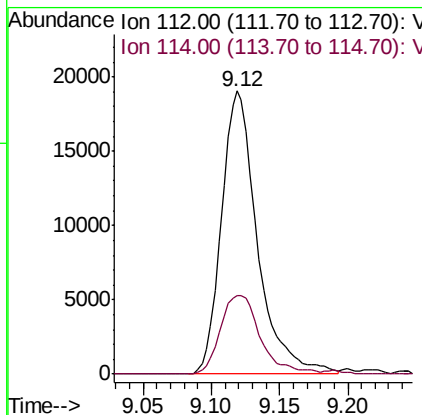
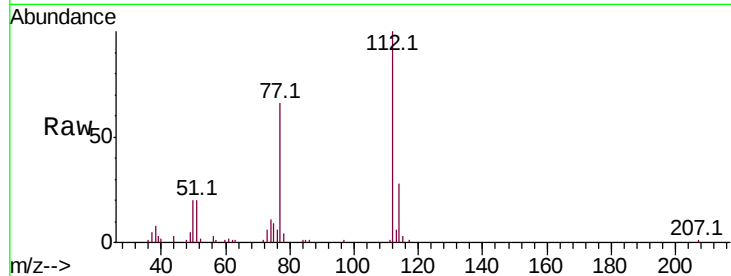
#59
Chlorobenzene
Concen: 0.835 ug/l
RT: 9.12 min Scan# 2497
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:112 Resp: 34879
Ion Ratio Lower Upper
112 100
114 27.6 24.9 37.3

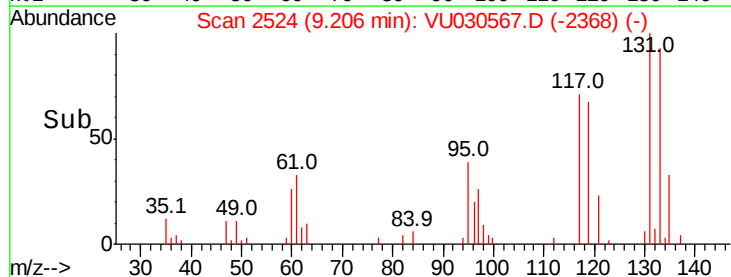
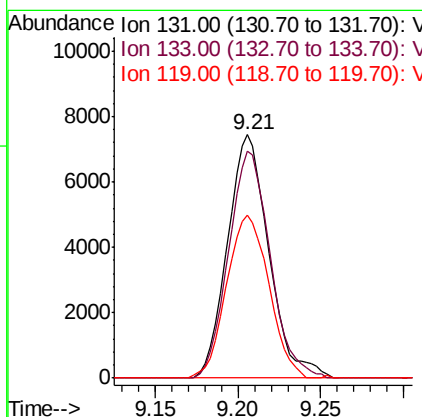
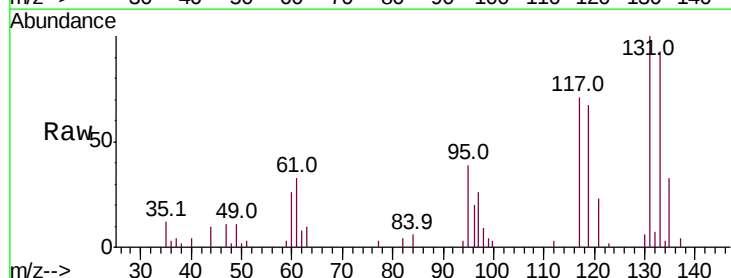
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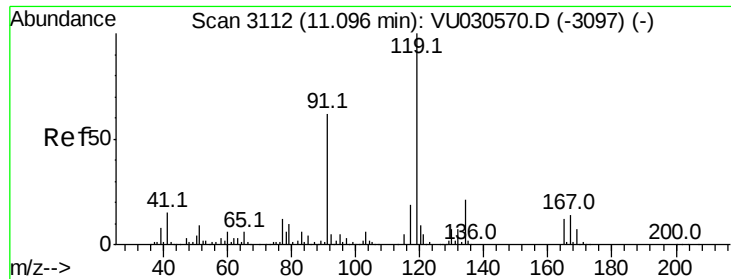
MMDadoda
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#60
1,1,1,2-Tetrachloroethane
Concen: 0.882 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion:131 Resp: 12927
Ion Ratio Lower Upper
131 100
133 93.5 77.5 116.3
119 68.1 53.2 79.8





#61

Pentachloroethane

Concen: 0.864 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 9866

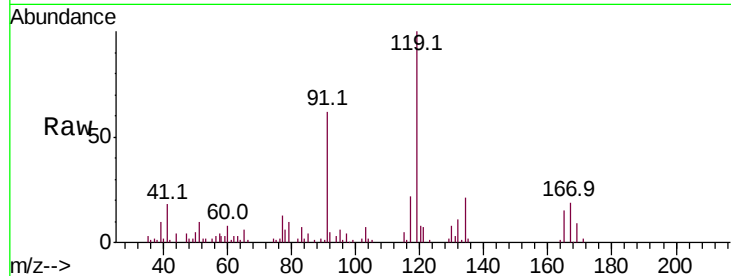
Ion Ratio Lower Upper

117 100

167 77.0 62.6 93.8

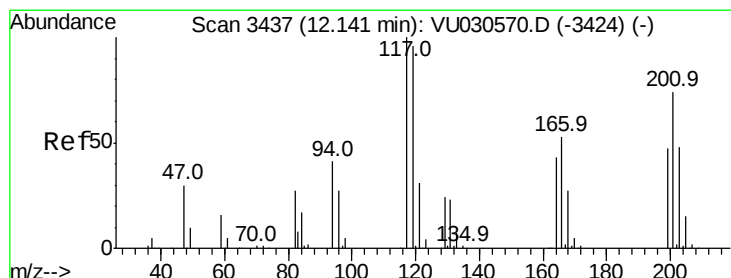
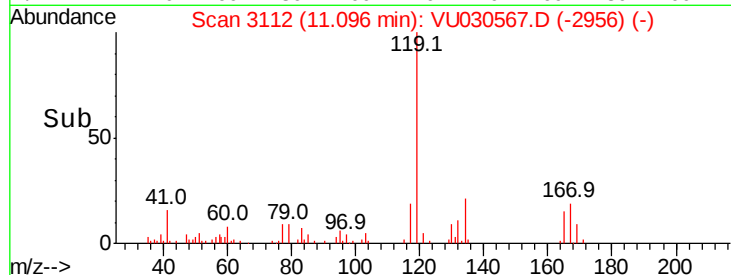
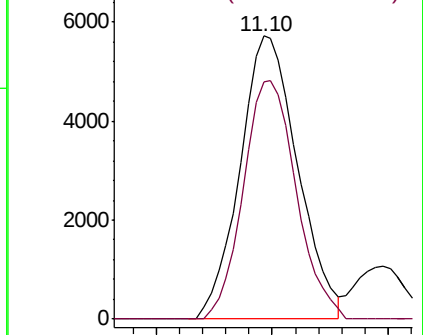
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 0.722 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. 0.00 min

Lab File: VU030567.D

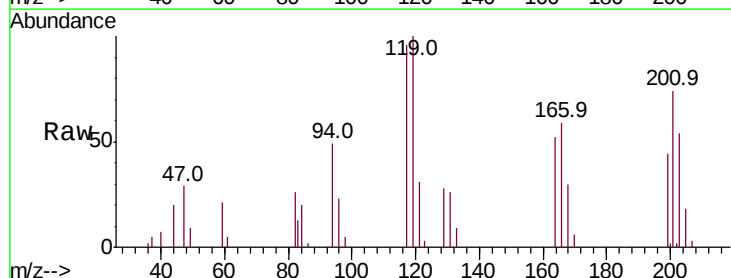
Acq: 30 Mar 2019 10:21

Tgt Ion:117 Resp: 8067

Ion Ratio Lower Upper

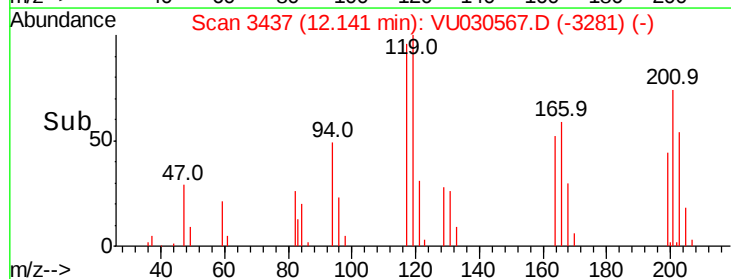
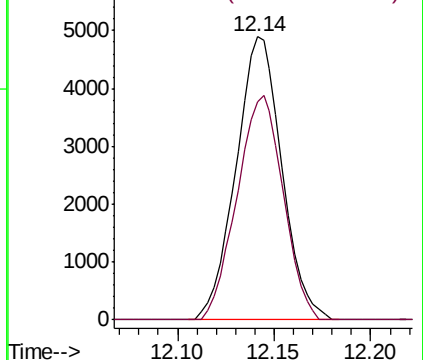
117 100

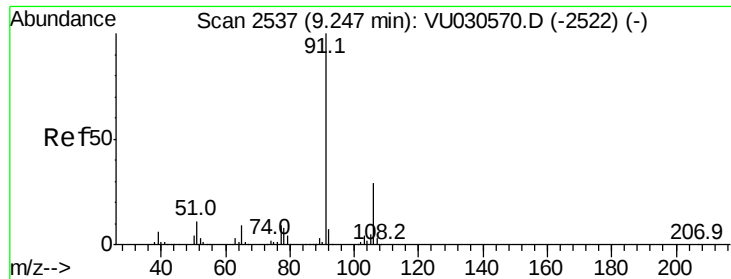
201 79.6 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





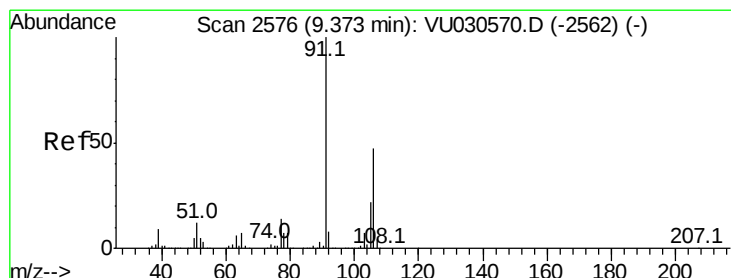
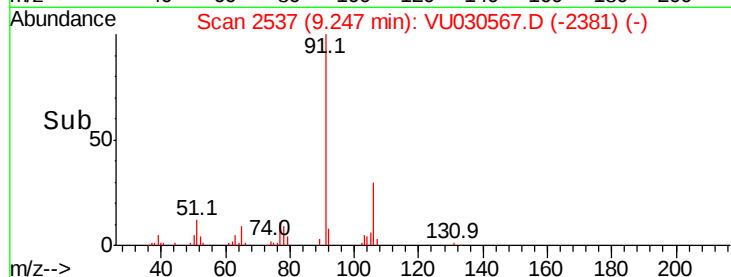
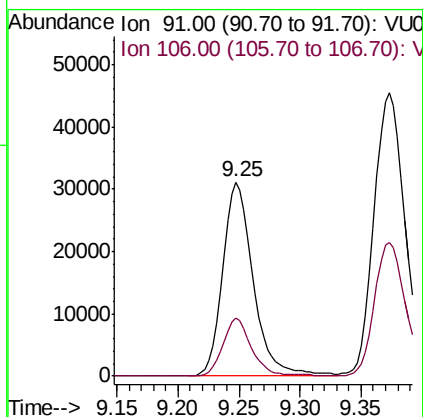
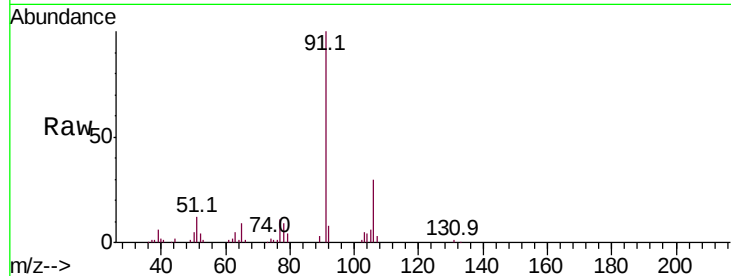
#63
Ethyl Benzene
Concen: 0.790 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 55027
Ion Ratio Lower Upper
91 100
106 30.2 23.1 34.7

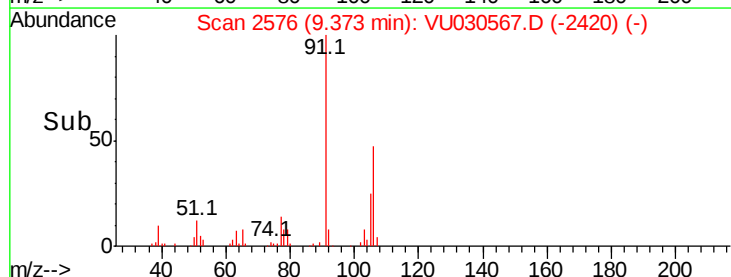
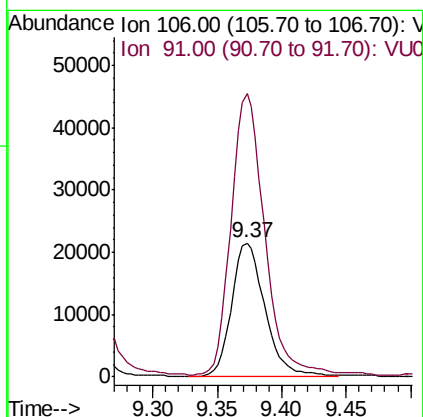
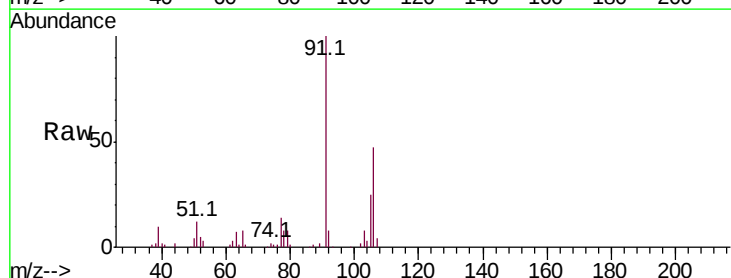
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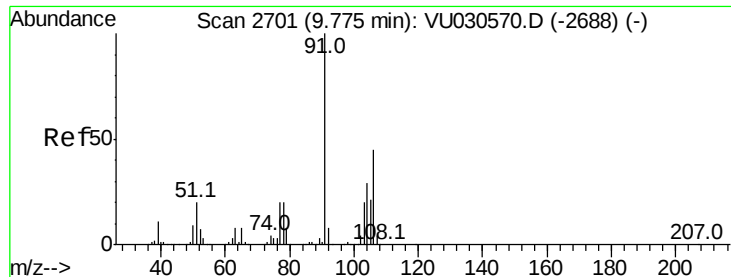
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#64
m/p-Xylenes
Concen: 1.444 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion: 106 Resp: 38855
Ion Ratio Lower Upper
106 100
91 209.0 179.4 269.0





#65

o-Xylene

Concen: 0.686 ug/l

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 18083

Ion Ratio Lower Upper

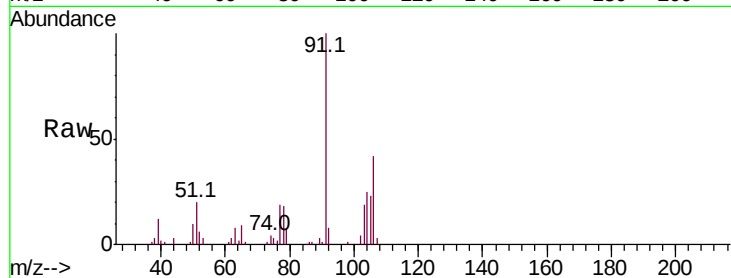
106 100

91 241.8 115.5 346.4

Manual Integrations
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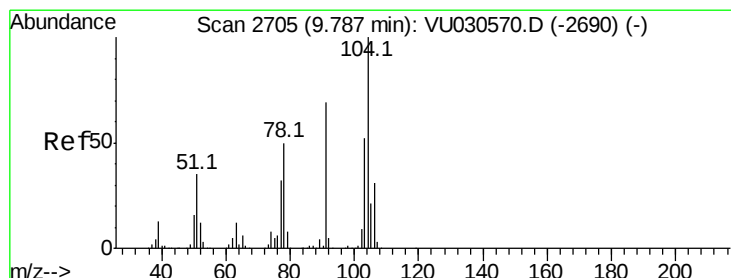
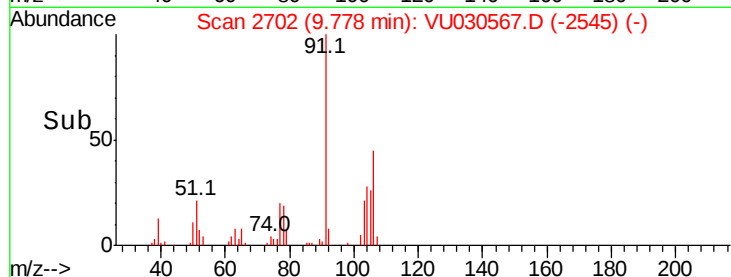
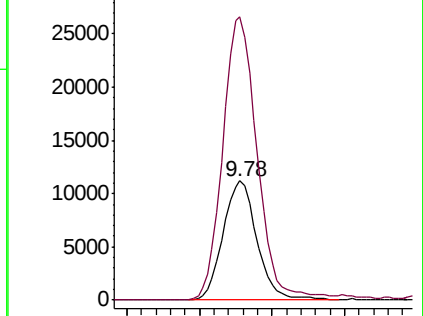
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 0.700 ug/l

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

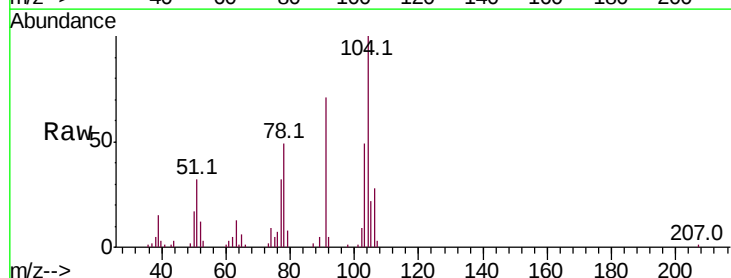
Tgt Ion:104 Resp: 30482

Ion Ratio Lower Upper

104 100

78 54.8 42.3 63.5

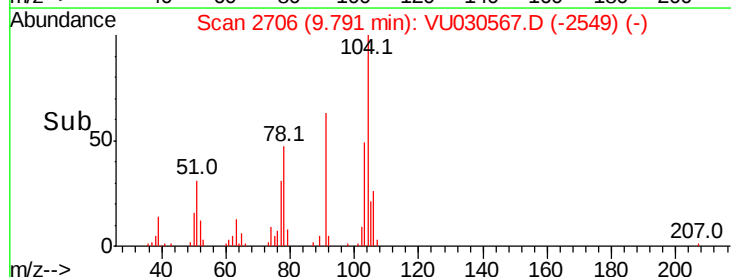
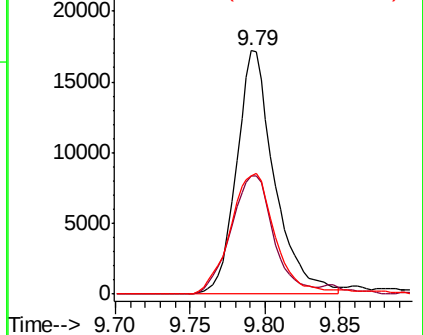
103 57.8 44.7 67.1

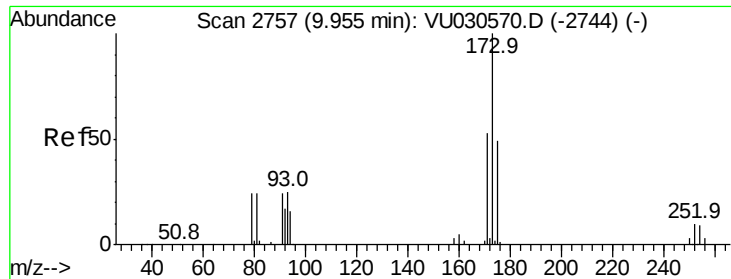


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





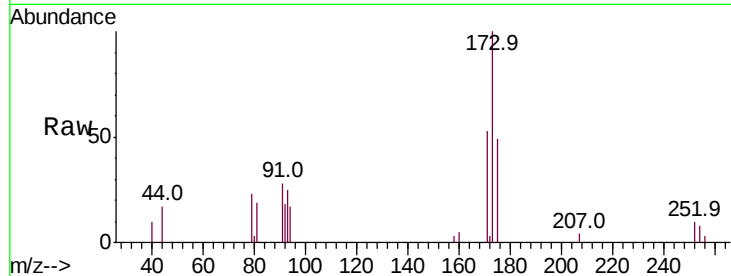
#67
Bromoform
Concen: 0.820 ug/l
RT: 9.96 min Scan# 2758
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	38.6	57.8
254	7.3	6.9	10.3

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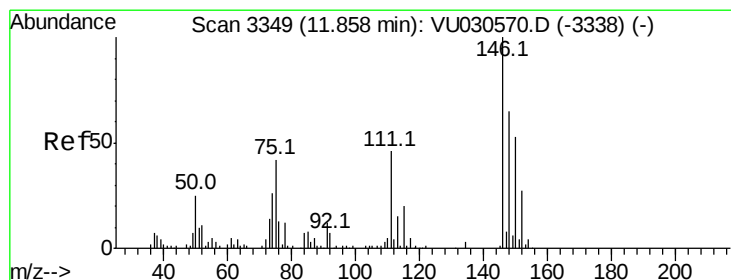
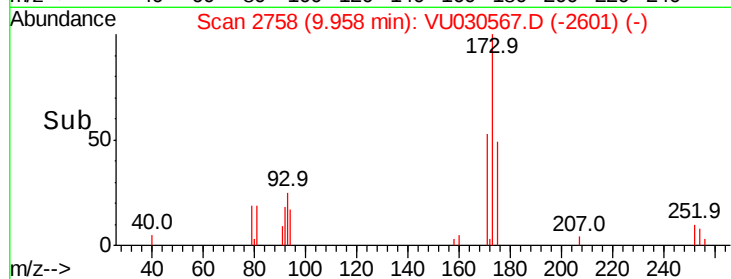
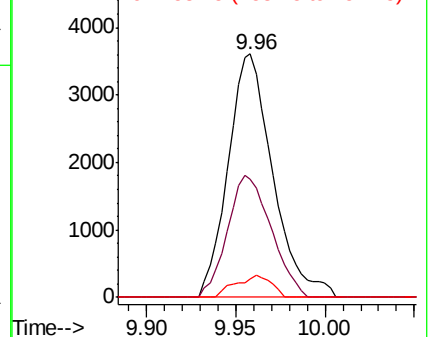


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 0.820 ug/l
RT: 11.86 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

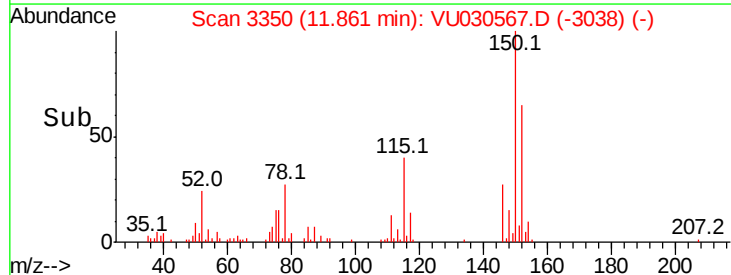
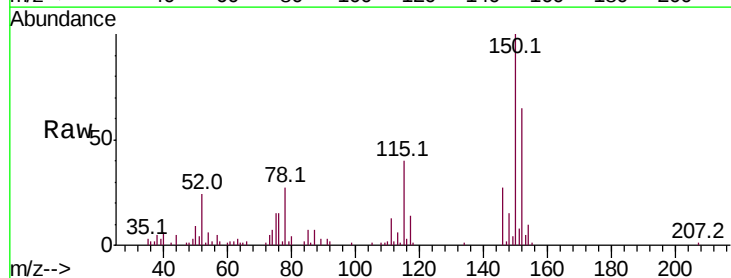
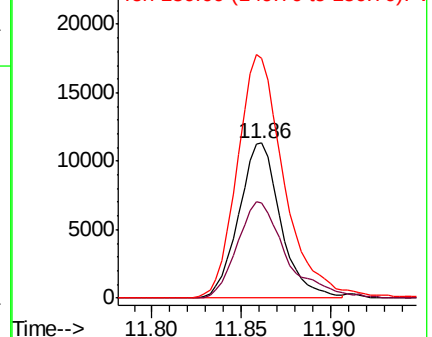
Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.5	0.0	136.2
150	176.9	0.0	634.6

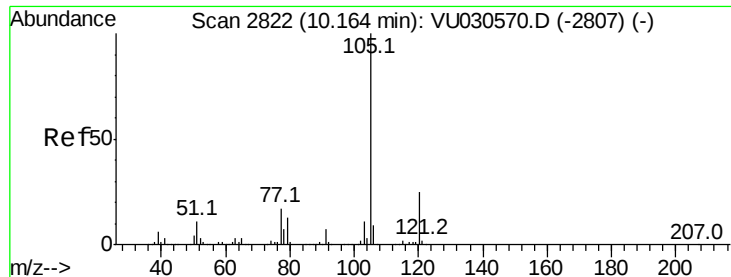
Abundance

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: 0.735 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 50993

Ion Ratio Lower Upper

105 100

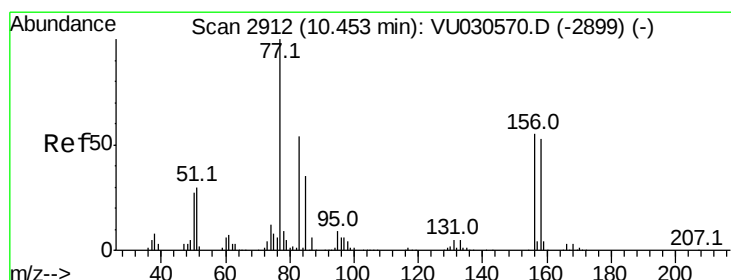
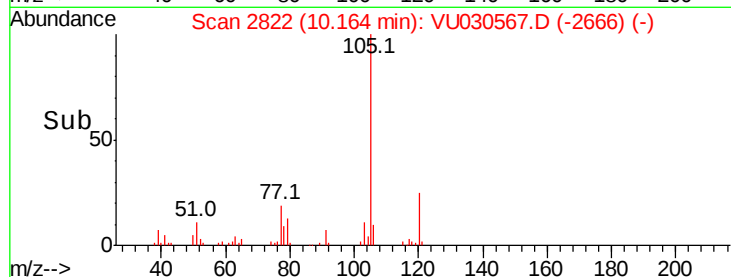
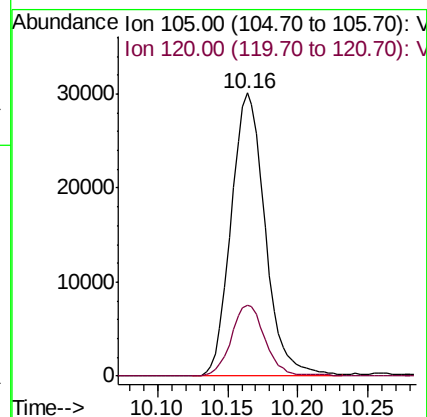
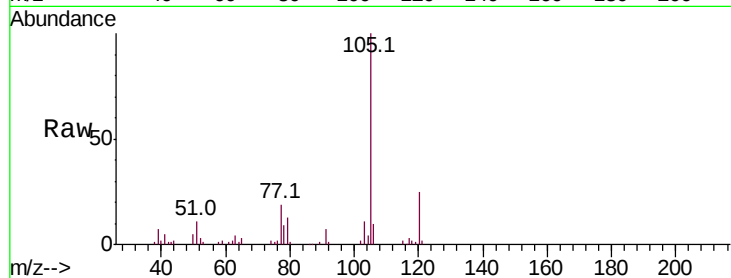
120 24.7 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

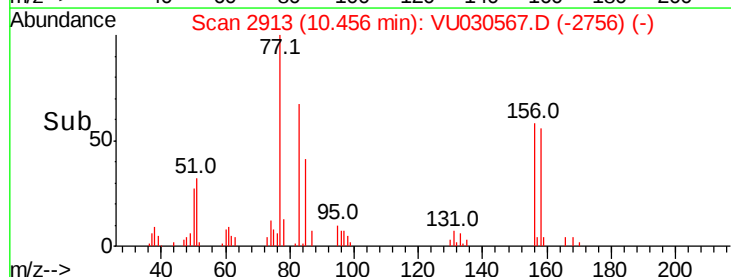
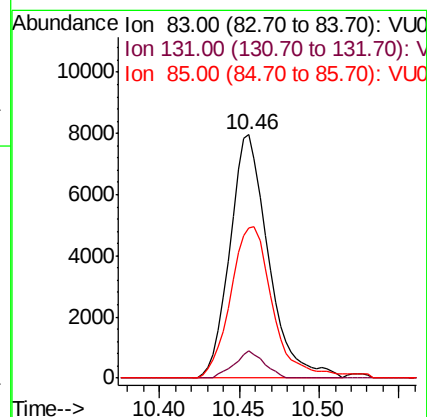
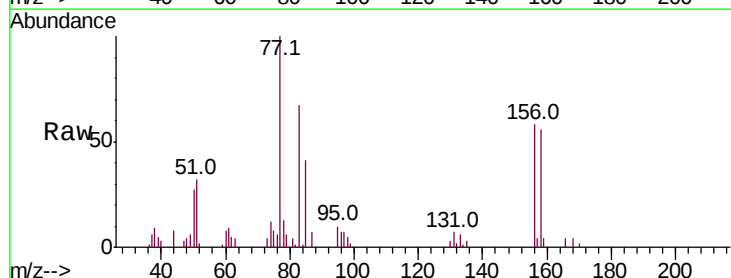
Tgt Ion: 83 Resp: 13113

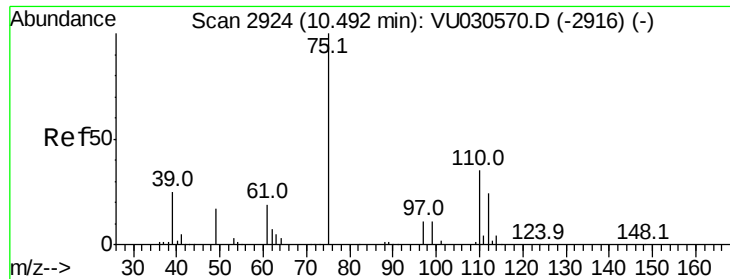
Ion Ratio Lower Upper

83 100

131 8.5 7.0 10.6

85 67.3 51.0 76.4





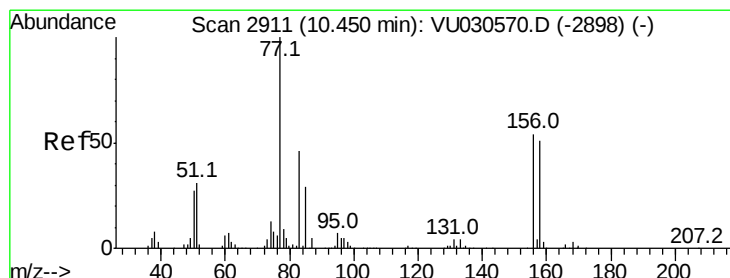
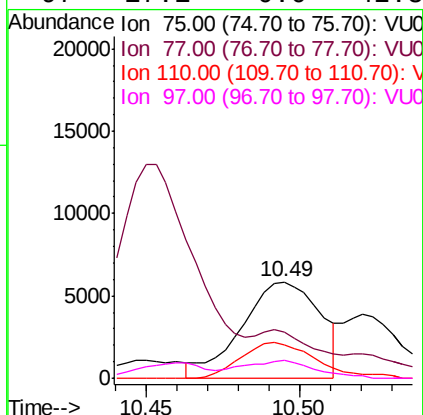
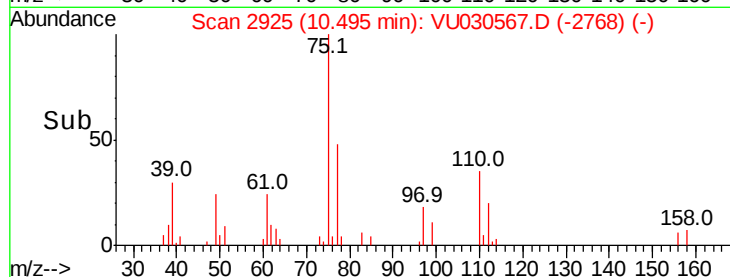
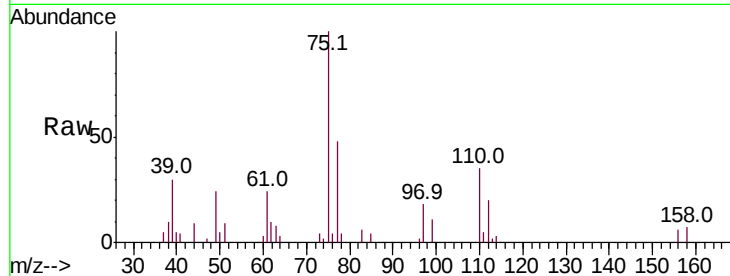
#71
1,2,3-Trichloropropane
Concen: 1.008 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	35.8	0.0	83.8
97	17.1	0.0	42.8

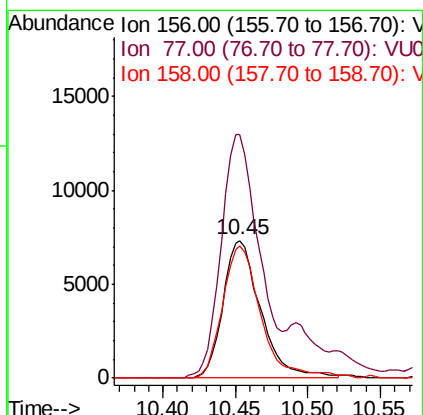
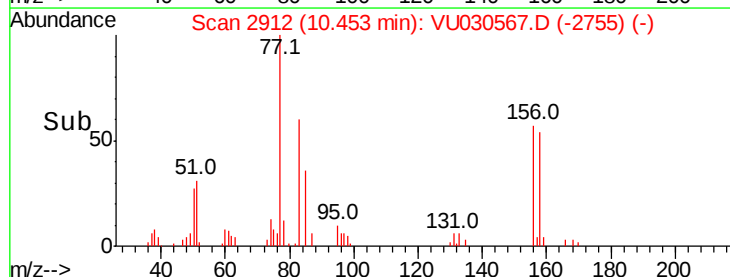
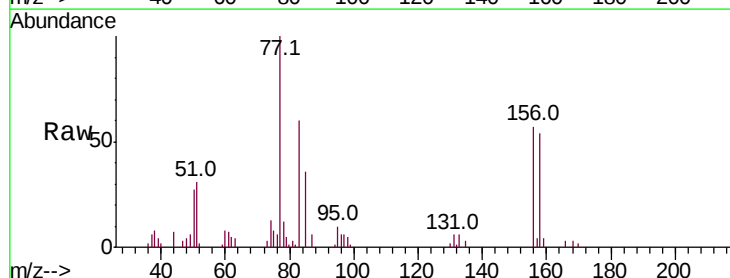
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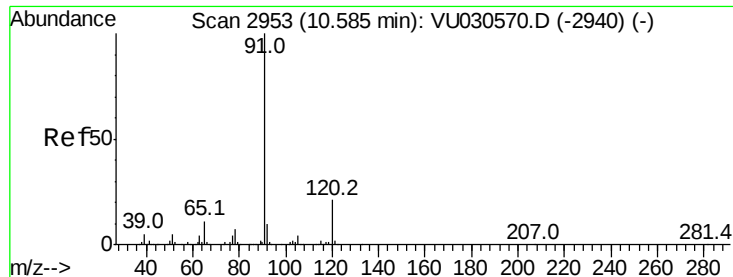
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#72
Bromobenzene
Concen: 0.738 ug/l
RT: 10.45 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VU030567.D
Acq: 30 Mar 2019 10:21

Tgt Ion	Ratio	Lower	Upper
156	100		
77	178.2	0.0	363.0
158	95.5	0.0	193.2





#73

n-propylbenzene

Concen: 0.676 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 13155

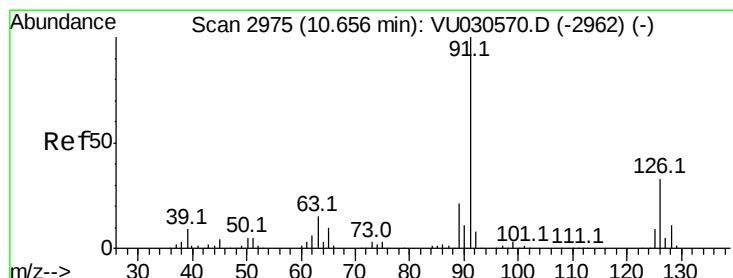
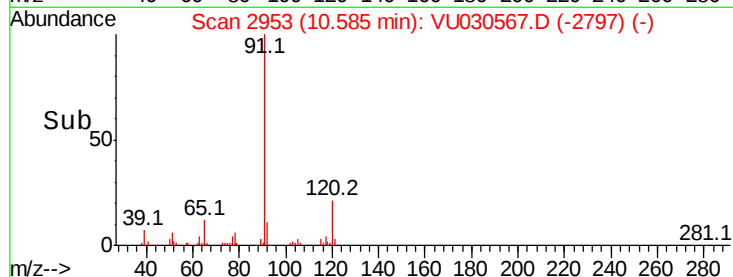
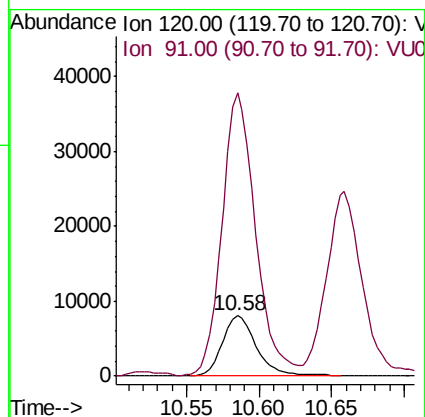
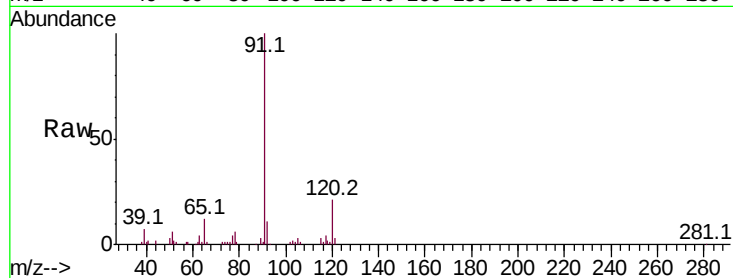
Ion Ratio Lower Upper

120 100

91 457.0 371.6 557.4

Manual Integrations
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#74

2-Chlorotoluene

Concen: 0.739 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU030567.D

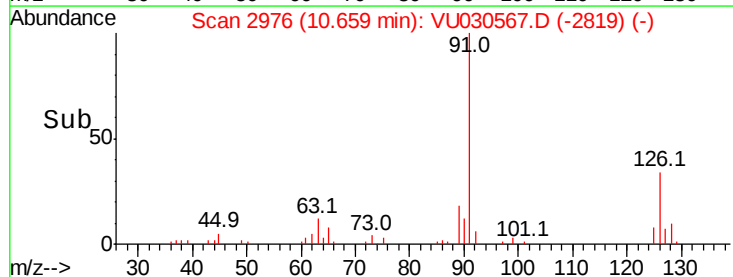
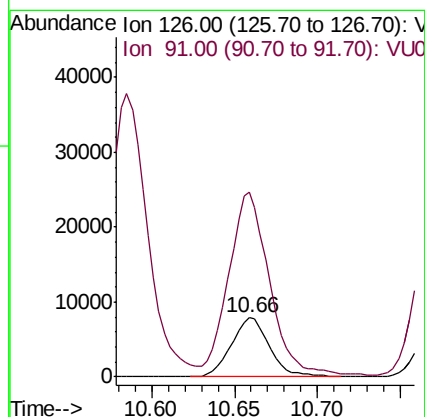
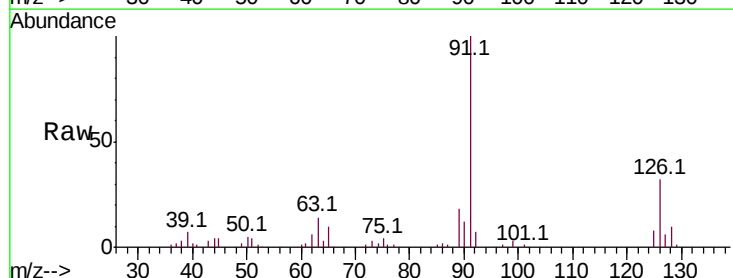
Acq: 30 Mar 2019 10:21

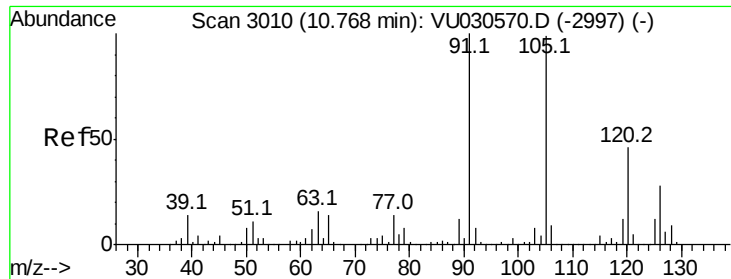
Tgt Ion:126 Resp: 12643

Ion Ratio Lower Upper

126 100

91 325.5 0.0 656.8





#75

1,3,5-Trimethylbenzene

Concen: 0.687 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 40470

Ion Ratio Lower Upper

105 100

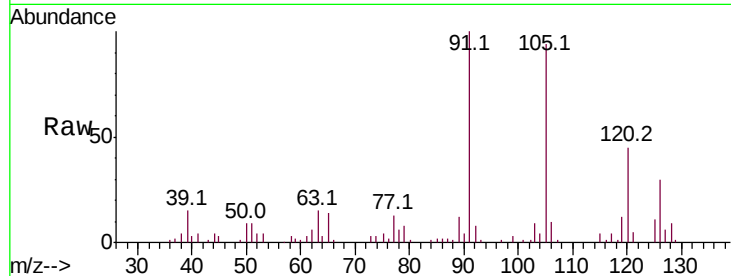
120 46.2 37.6 56.4

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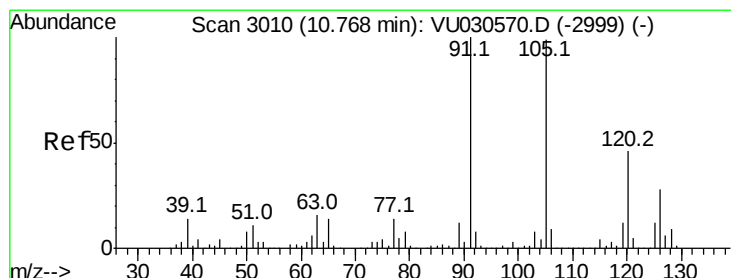
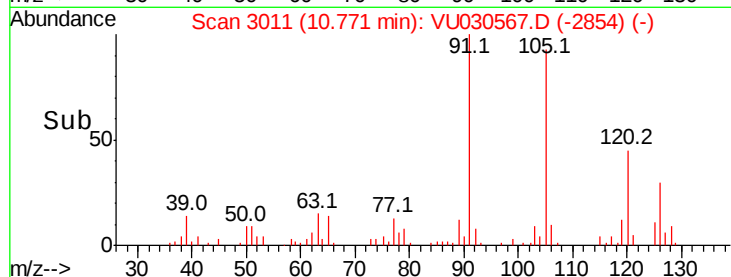
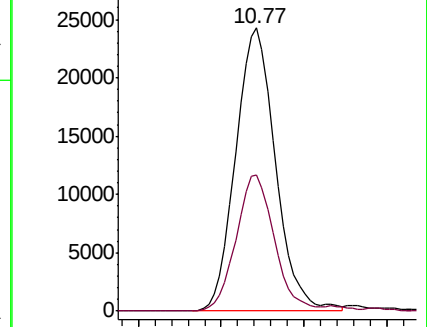
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 0.745 ug/l

RT: 10.77 min Scan# 3011

Delta R.T. 0.00 min

Lab File: VU030567.D

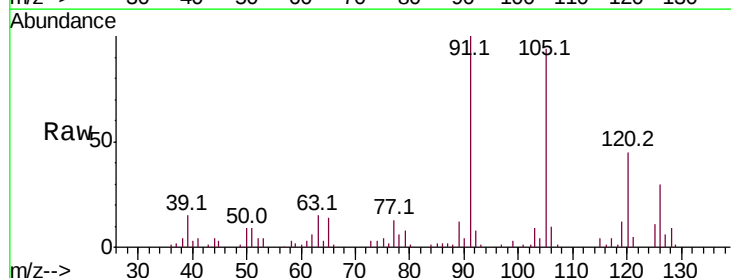
Acq: 30 Mar 2019 10:21

Tgt Ion:126 Resp: 12960

Ion Ratio Lower Upper

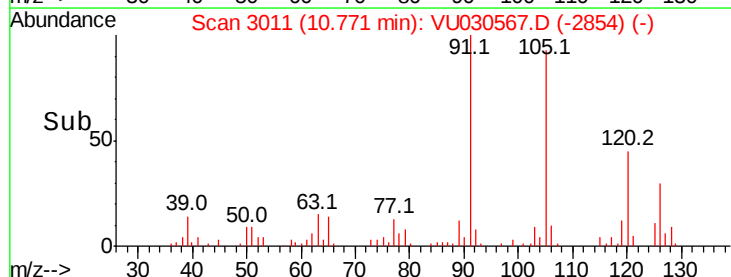
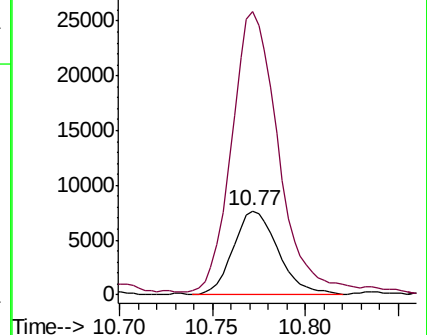
126 100

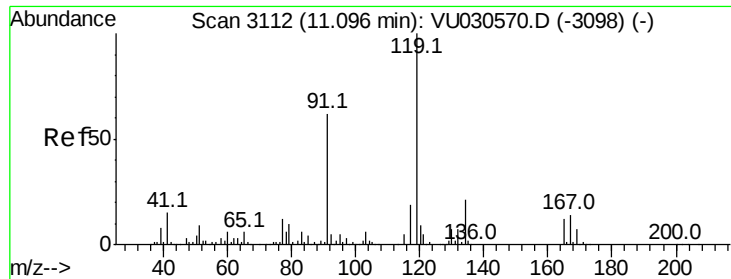
91 341.4 0.0 721.6



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 0.717 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

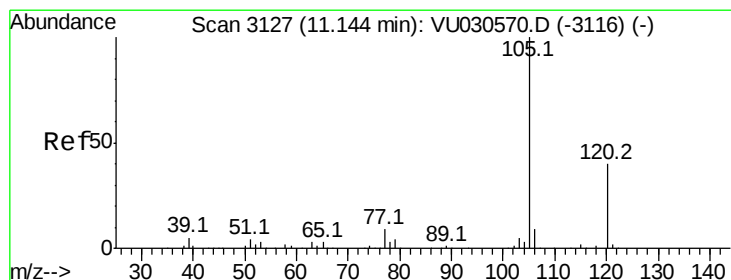
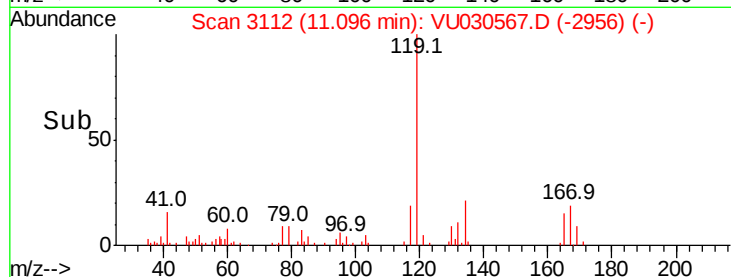
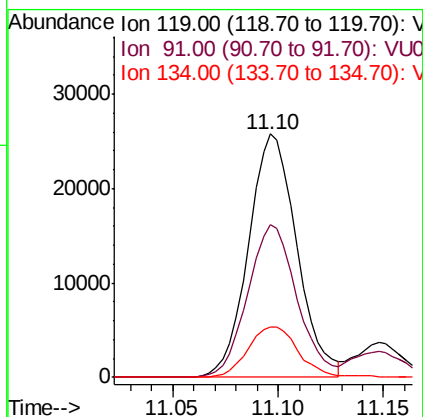
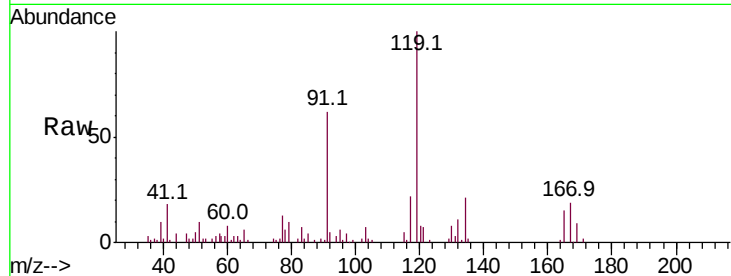
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	41132
Ion Ratio	Lower	Upper	
119	100		
91	64.0	30.9	92.8
134	21.6	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 0.672 ug/l

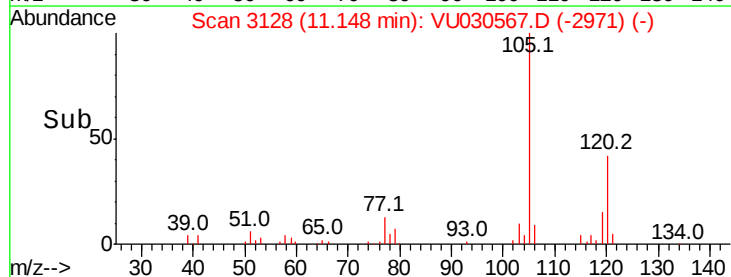
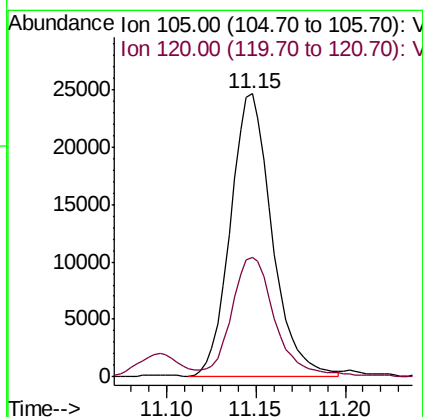
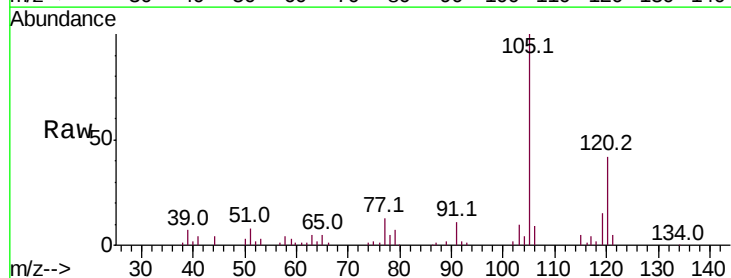
RT: 11.15 min Scan# 3128

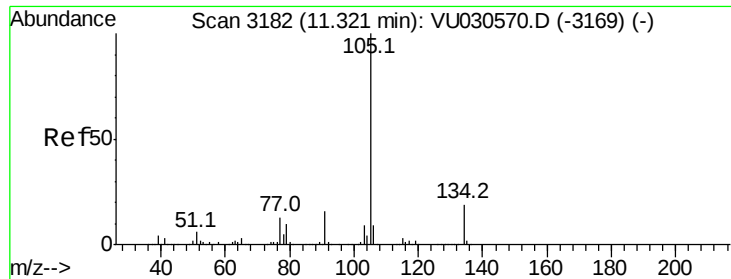
Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	105	Resp:	40117
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.1	66.5





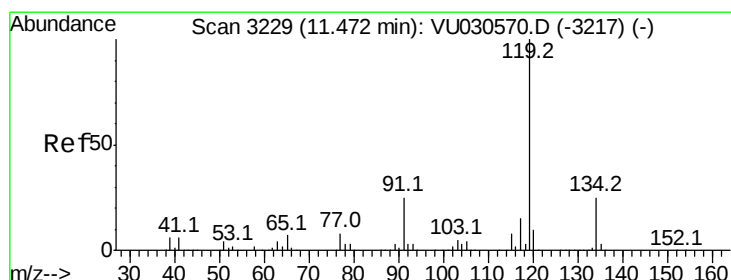
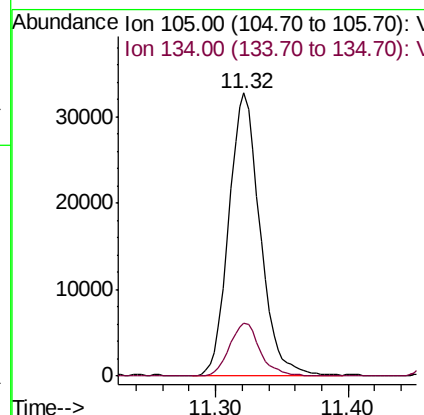
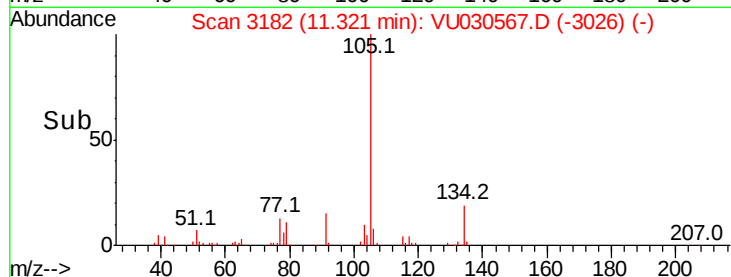
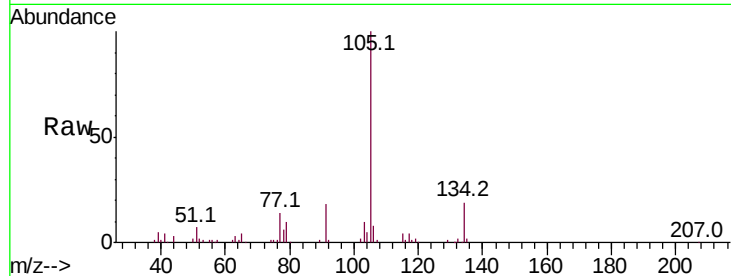
#79
 sec-Butylbenzene
 Concen: 0.699 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 53779
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1

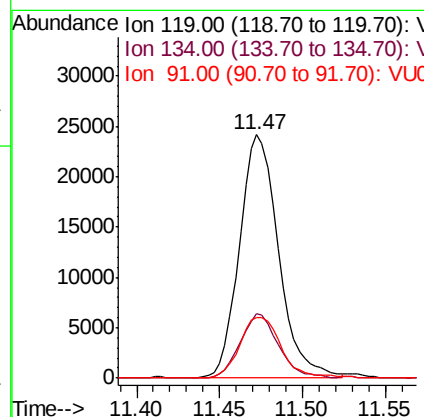
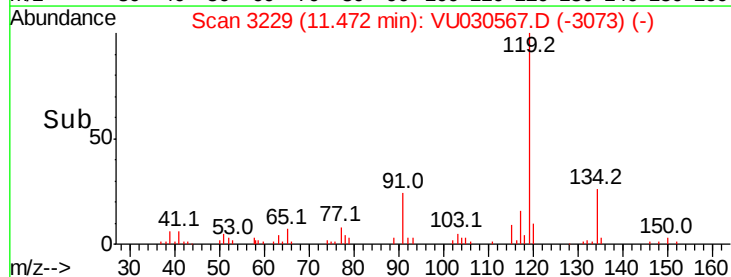
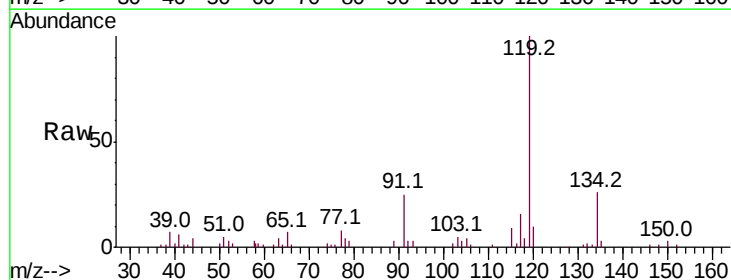
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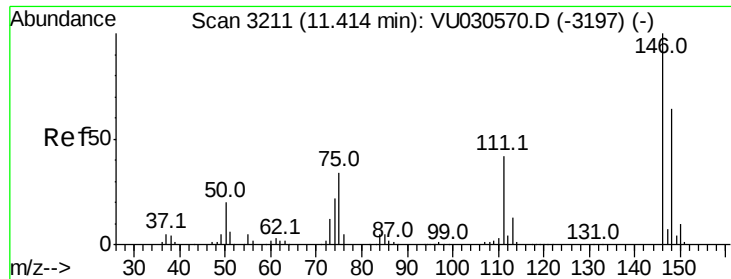
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#81
 p-Isopropyltoluene
 Concen: 0.624 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion:119 Resp: 39695
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 26.7 20.4 30.6





#82

1,3-Dichlorobenzene

Concen: 0.739 ug/l

RT: 11.41 min Scan# 3211

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

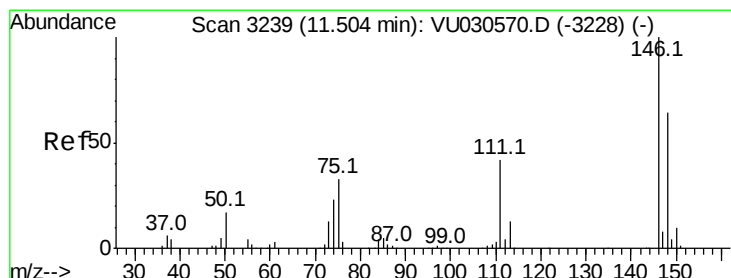
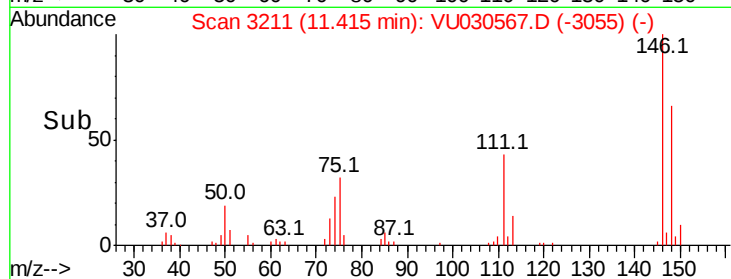
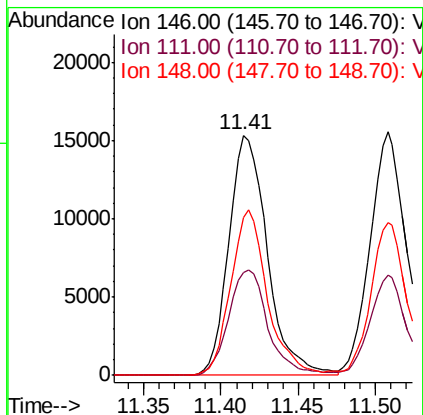
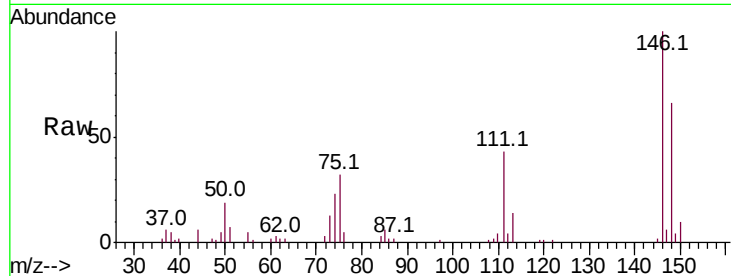
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	26530
Ion Ratio	Lower	Upper	
146	100		
111	45.1	34.0	51.0
148	65.3	51.0	76.6

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#83

1,4-Dichlorobenzene

Concen: 0.753 ug/l

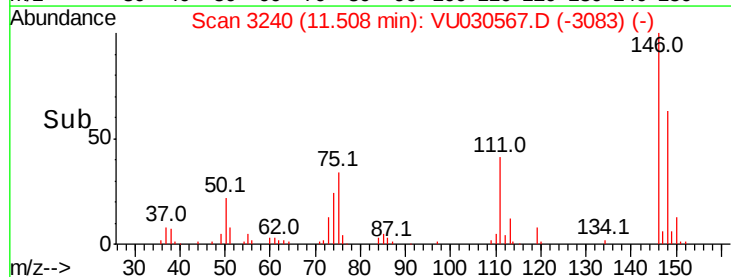
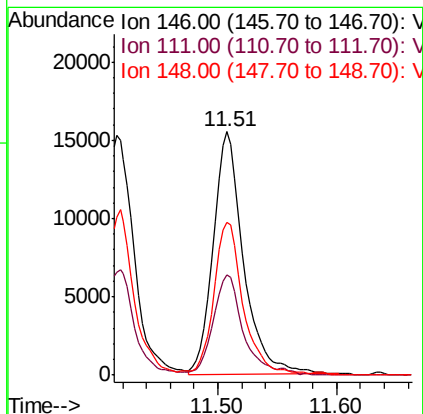
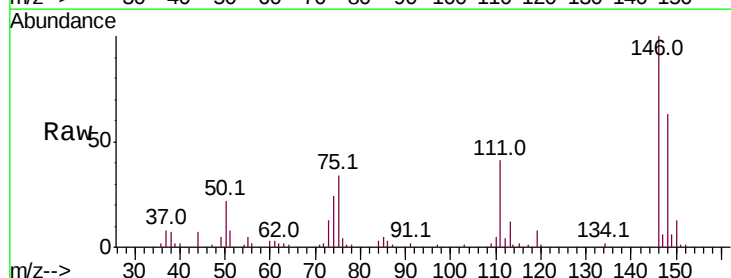
RT: 11.51 min Scan# 3240

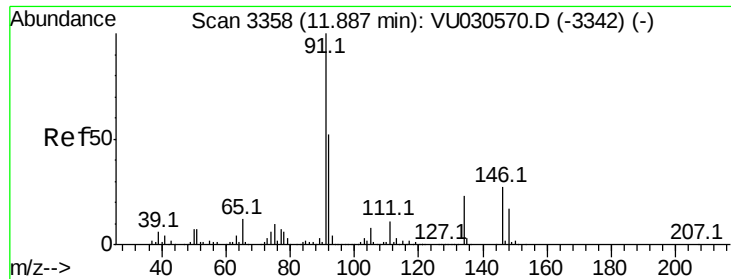
Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	146	Resp:	27194
Ion Ratio	Lower	Upper	
146	100		
111	41.4	32.8	49.2
148	59.3	50.5	75.7





#84

n-Butylbenzene

Concen: 0.635 ug/l

RT: 11.89 min Scan# 3359

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

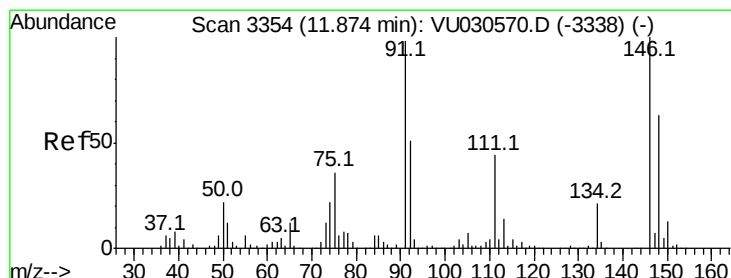
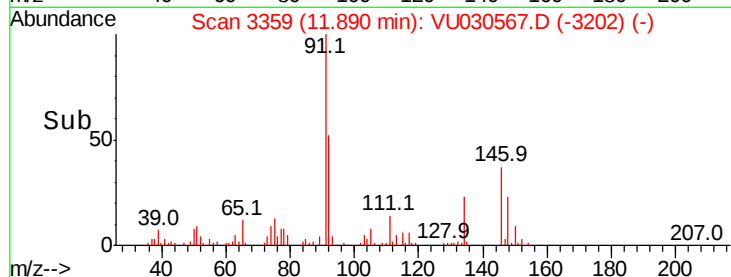
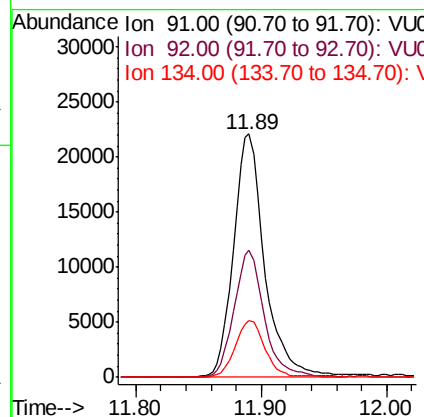
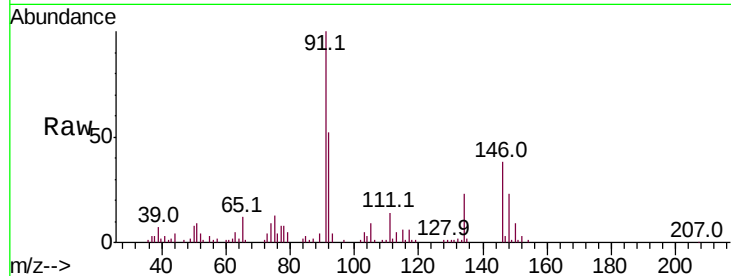
ClientSampleId :

VSTDIC001

Tot Ion:	91	Resp:	38014
Ion Ratio	Lower	Upper	
91	100		
92	50.2	41.7	62.5
134	22.1	18.3	27.5

Manual Integrations
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#85

1,2-Dichlorobenzene

Concen: 0.789 ug/l

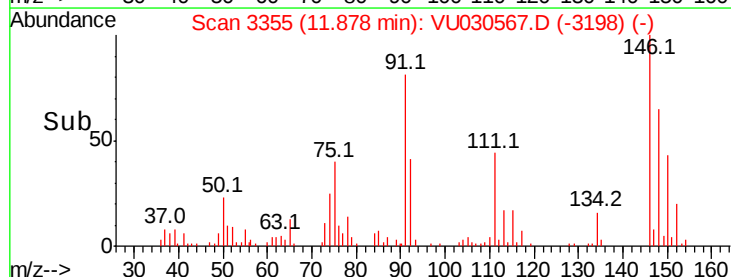
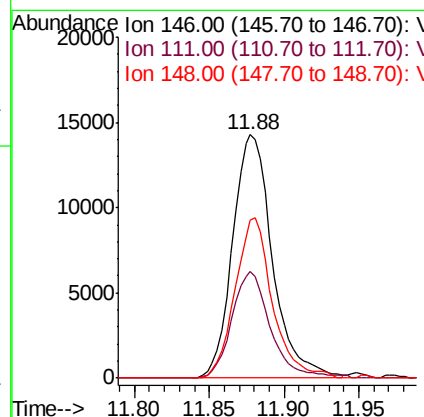
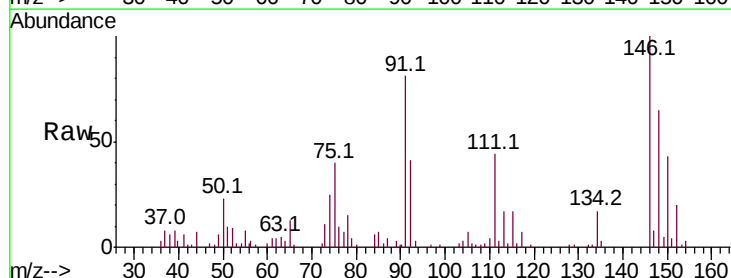
RT: 11.88 min Scan# 3355

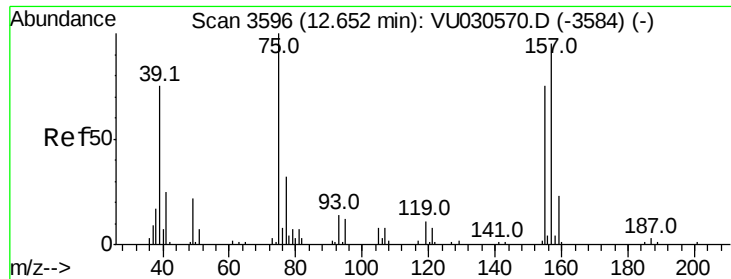
Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Tgt Ion:	146	Resp:	26423
Ion Ratio	Lower	Upper	
146	100		
111	42.4	21.9	65.5
148	62.0	31.5	94.5





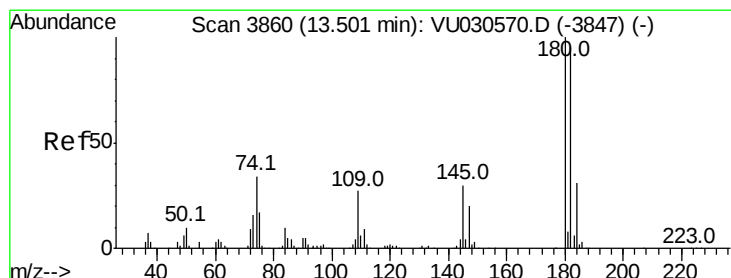
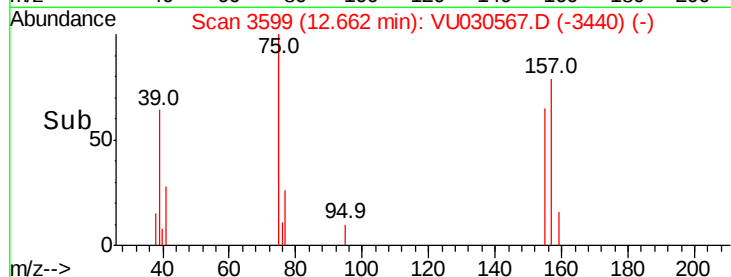
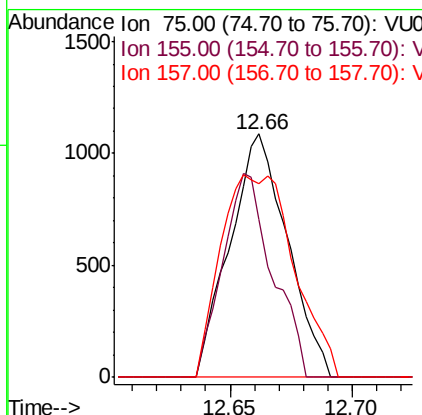
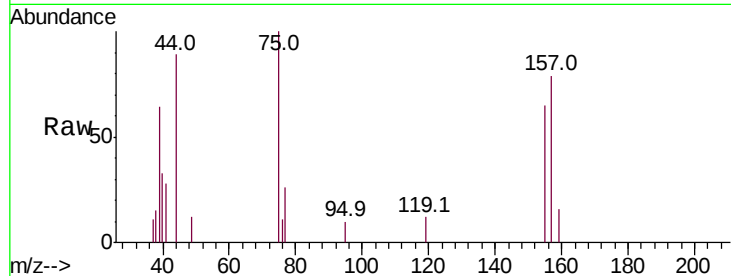
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.865 ug/l
 RT: 12.66 min Scan# 3599
 Delta R.T. 0.01 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 1776
 Ion Ratio Lower Upper
 75 100
 155 72.5 59.7 89.5
 157 106.4 73.7 110.5

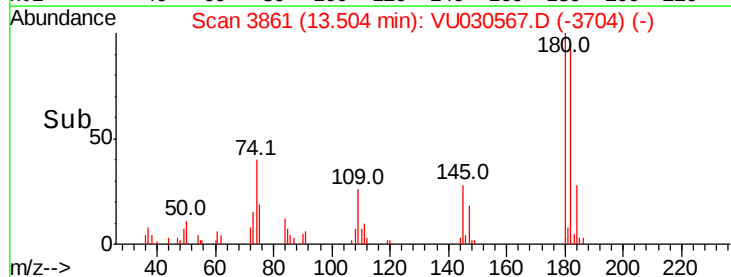
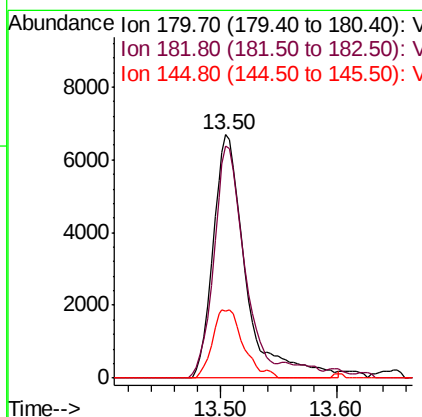
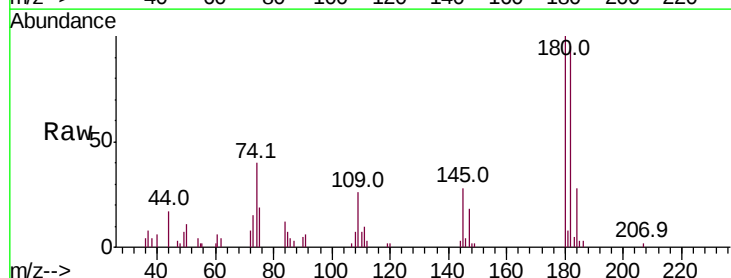
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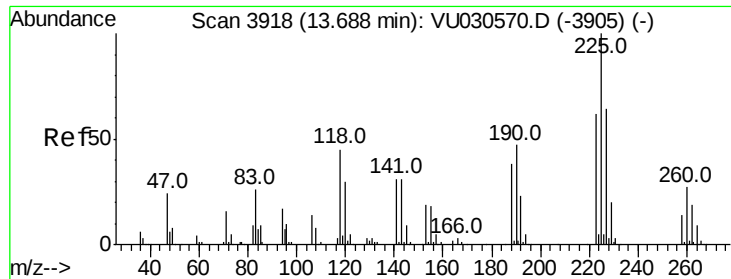
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#87
 1,2,4-Trichlorobenzene
 Concen: 0.560 ug/l
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Tgt Ion:180 Resp: 13138
 Ion Ratio Lower Upper
 180 100
 182 88.3 76.0 114.0
 145 26.5 24.3 36.5





#88

Hexachlorobutadiene

Concen: 0.707 ug/l

RT: 13.69 min Scan# 3918

Delta R.T. 0.00 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

Instrument :

MSVOA_U

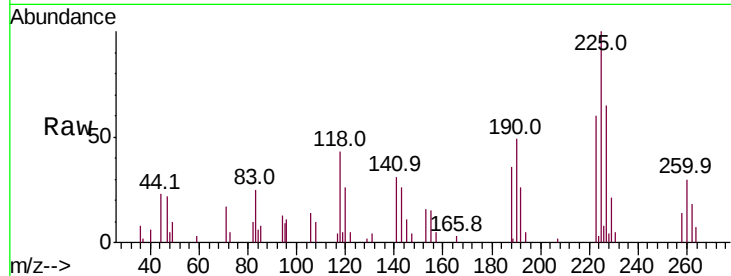
ClientSampleId :

VSTDIC001

Tot Ion:	225	Resp:	9175
Ion Ratio	Lower	Upper	
225	100		
223	60.3	50.7	76.1
227	62.5	50.8	76.2

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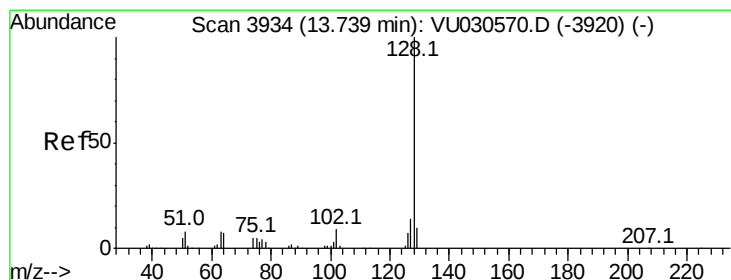
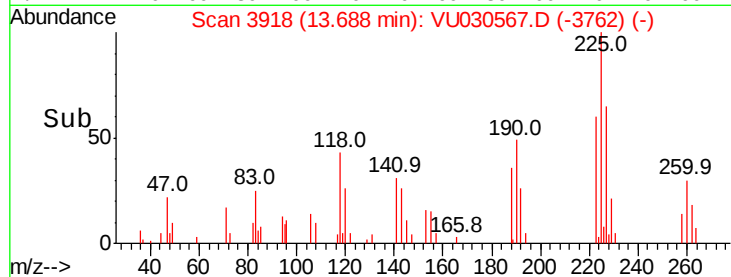
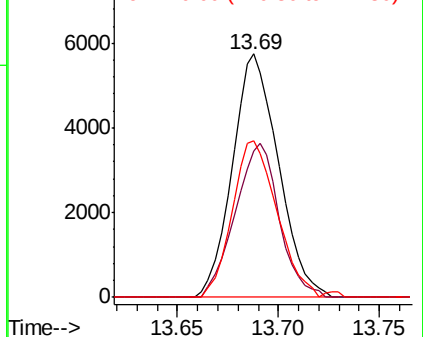


Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V



#89

Naphthalene

Concen: 0.533 ug/l

RT: 13.75 min Scan# 3936

Delta R.T. 0.01 min

Lab File: VU030567.D

Acq: 30 Mar 2019 10:21

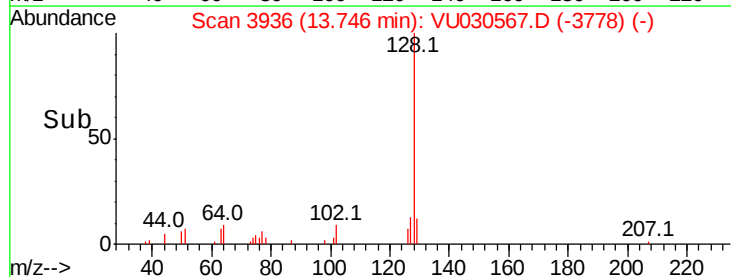
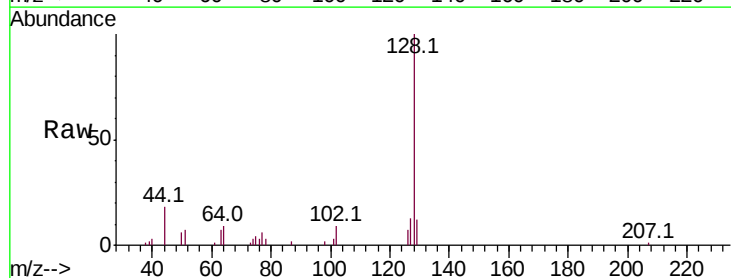
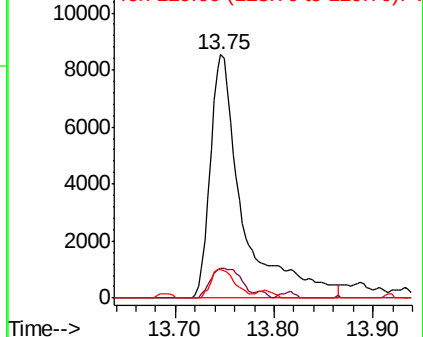
Tgt Ion:	128	Resp:	19630
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.4	15.6
129	8.8	7.8	11.8

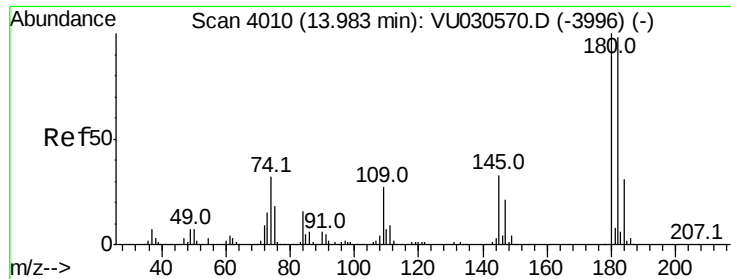
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#90
 1,2,3-Trichlorobenzene
 Concen: 0.611 ug/l
 RT: 13.99 min Scan# 4011
 Delta R.T. 0.00 min
 Lab File: VU030567.D
 Acq: 30 Mar 2019 10:21

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	83.4	76.6	114.8
145	31.2	25.9	38.9

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