

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU033119\
 Data File : VU030571.D
 Acq On : 30 Mar 2019 12:09
 Operator : JC/SP
 Sample : VSTDIC015
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 2:38:32 PM

Quant Time: Mar 31 01:03:29 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	58197	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	22785	1.06	ug/l	0.00
Spiked Amount 1.000			Recovery	=	106.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	21014	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	365049	16.507	ug/l	99
3) Chloromethane	1.33	50	428686	16.897	ug/l	99
4) Vinyl Chloride	1.40	62	408971	18.570	ug/l	99
5) Bromomethane	1.62	94	166424	13.854	ug/l	99
6) Chloroethane	1.69	64	224945	17.830	ug/l	99
7) Trichlorofluoromethane	1.88	101	458053	16.497	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.28	101	226421	15.223	ug/l	100
9) 1,1-Dichloroethene	2.28	96	229643	15.565	ug/l	98
10) Iodomethane	2.41	142	225575	17.786	ug/l	98
11) Allyl Chloride	2.59	41	498847	21.811	ug/l	100
12) Acrylonitrile	2.93	53	123441	36.771	ug/l	98
13) Acetone	2.32	43	276418	93.105	ug/l	98
14) Carbon Disulfide	2.47	76	835936	16.105	ug/l	100
15) Methylene Chloride	2.69	84	269597	15.231	ug/l	98
16) trans-1,2-Dichloroethene	2.97	96	256982	15.151	ug/l	99
17) 1,1-Dichloroethane	3.44	63	533939	17.953	ug/l	100
18) 2-Butanone	4.27	43	432883	105.119	ug/l	99
19) Cyclohexane	4.98	56	490293m	19.161	ug/l	
20) Methylcyclohexane	6.41	83	434427	16.078	ug/l	98
21) 2,2-Dichloropropane	4.22	77	405265	16.420	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	286481	15.237	ug/l	97
23) Diethyl Ether	2.10	59	221559	19.195	ug/l	99
24) tert-Butyl Alcohol	2.84	59	225958	183.416	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	661050	17.232	ug/l	98
26) Bromochloromethane	4.54	128	107398	13.281	ug/l	98
27) Chloroform	4.67	83	497704	16.128	ug/l	99
28) 1,1,1-Trichloroethane	4.91	97	409785	16.269	ug/l	99
29) 1,1-Dichloropropene	5.13	75	379398	16.572	ug/l	99
30) Carbon Tetrachloride	5.13	117	349681	15.660	ug/l	99
31) Isopropyl Ether	3.58	45	914999	21.037	ug/l	98
32) Ethyl-t-butyl ether	4.07	59	743217	18.456	ug/l	99
33) Tert-Amyl methyl ether	5.58	73	625974	17.301	ug/l	99
34) Propionitrile	4.33	54	119036	104.257	ug/l #	94
35) Benzene	5.38	78	1101635	16.392	ug/l	99
36) 1,2-Dichloroethane	5.40	62	326241	17.663	ug/l	99
37) Trichloroethene	6.18	130	261344	13.946	ug/l	98
38) 1,2-Dichloropropane	6.43	63	302315	17.404	ug/l	98
39) Methacrylonitrile	4.55	41	106414	20.957	ug/l	95
40) Methyl acrylate	4.42	55	160397	20.757	ug/l	98
41) Tetrahydrofuran	4.65	42	110916	40.201	ug/l	99
42) 1-Chlorobutane	5.06	56	587919	18.983	ug/l	99

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Quant Time: Mar 31 01:03:29 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	139246	15.811	ug/l	99
44) Bromodichloromethane	6.75	83	364195	17.125	ug/l	99
45) 4-Methyl-2-Pentanone	7.46	43	1006937	108.509	ug/l	99
46) t-1,4-Dichloro-2-butene	10.51	75	136516m	40.133	ug/l	
47) Methyl methacrylate	6.62	69	272911	36.589	ug/l	99
48) Ethyl methacrylate	8.02	69	272059	19.435	ug/l	99
49) Toluene	7.63	92	645533	16.169	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	335705	17.718	ug/l	97
51) cis-1,3-Dichloropropene	7.27	75	408574	17.294	ug/l	99
52) 1,1,2-Trichloroethane	8.06	97	188869	15.337	ug/l	97
53) 1,3-Dichloropropane	8.24	76	346044	16.519	ug/l	100
54) 2-Hexanone	8.36	43	695649	105.118	ug/l	100
55) Dibromochloromethane	8.47	129	221484	15.108	ug/l	100
56) 1,2-Dibromoethane	8.58	107	176012	14.997	ug/l	99
58) Tetrachloroethene	8.22	164	242775	14.290	ug/l	99
59) Chlorobenzene	9.12	112	678959	15.009	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	238385	15.020	ug/l	98
61) Pentachloroethane	11.10	117	182617	14.780	ug/l	98
62) Hexachloroethane	12.14	117	165474	13.690	ug/l	98
63) Ethyl Benzene	9.25	91	1269689	16.843	ug/l	100
64) m/p-Xylenes	9.37	106	932494	32.013	ug/l	94
65) o-Xylene	9.77	106	443283	15.530	ug/l	99
66) Styrene	9.79	104	777317	16.481	ug/l	99
67) Bromoform	9.95	173	124541	14.991	ug/l	99
69) Isopropylbenzene	10.16	105	1212097	16.133	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.45	83	255953	16.589	ug/l	99
71) 1,2,3-Trichloropropane	10.49	75	150355	13.434	ug/l #	98
72) Bromobenzene	10.45	156	268530	13.928	ug/l	98
73) n-propylbenzene	10.58	120	315955	15.011	ug/l	94
74) 2-Chlorotoluene	10.66	126	279558	15.104	ug/l	96
75) 1,3,5-Trimethylbenzene	10.77	105	1034654	16.228	ug/l	99
76) 4-Chlorotoluene	10.77	126	295039	15.670	ug/l	98
77) tert-Butylbenzene	11.10	119	961231	15.490	ug/l	99
78) 1,2,4-Trimethylbenzene	11.14	105	1049124	16.228	ug/l	99
79) sec-Butylbenzene	11.32	105	1329870	15.972	ug/l	99
80) Nitrobenzene	12.86	77	23335m	87.877	ug/l	
81) p-Isopropyltoluene	11.47	119	1045729	15.178	ug/l	99
82) 1,3-Dichlorobenzene	11.41	146	534866	13.756	ug/l	99
83) 1,4-Dichlorobenzene	11.50	146	534923	13.686	ug/l	99
84) n-Butylbenzene	11.89	91	1021239	15.751	ug/l	99
85) 1,2-Dichlorobenzene	11.87	146	496709	13.703	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.65	75	39723	17.879	ug/l	99
87) 1,2,4-Trichlorobenzene	13.50	180	322595	12.708	ug/l	98
88) Hexachlorobutadiene	13.69	225	182654	13.006	ug/l	100
89) Naphthalene	13.74	128	580618	14.578	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	291716	12.608	ug/l	99

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

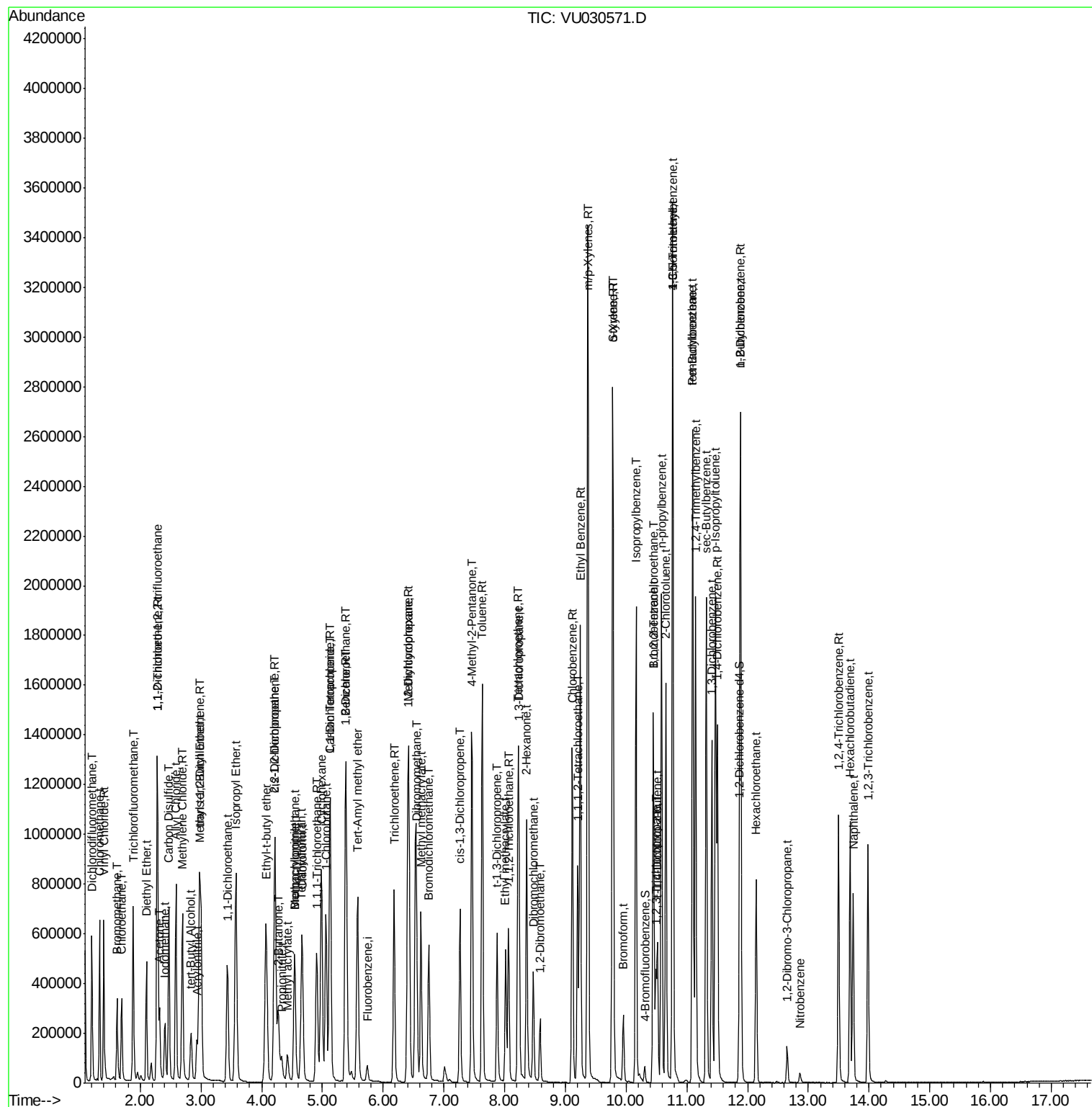
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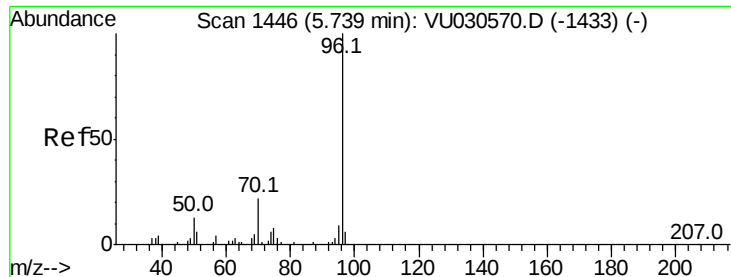
Instrument :
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#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 96 Resp: 58197

Ion Ratio Lower Upper

96 100

70 22.2 15.6 23.4

95 9.9 7.3 10.9

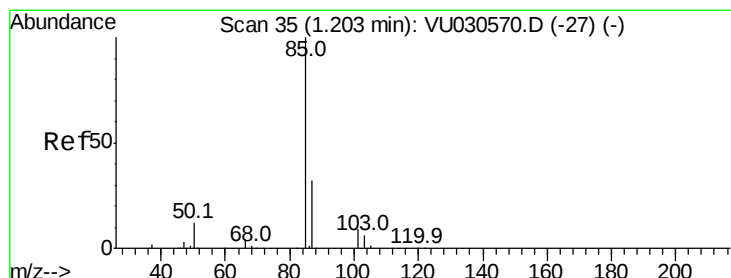
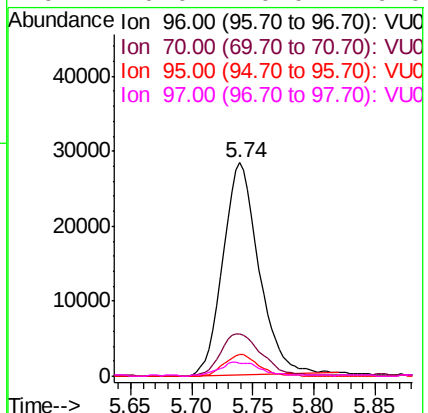
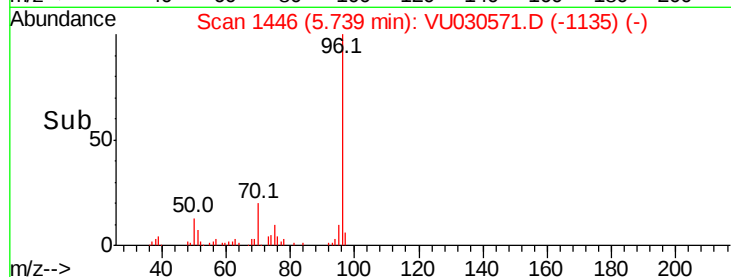
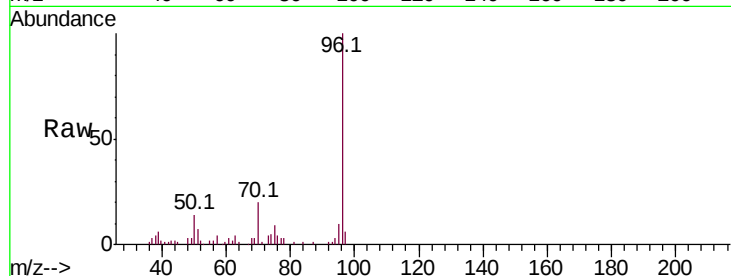
97 0.0 0.0 0.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 16.507 ug/l

RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

Lab File: VU030571.D

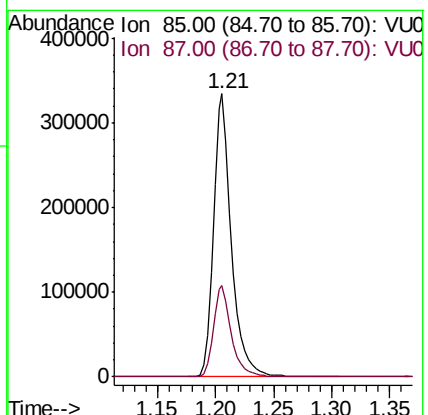
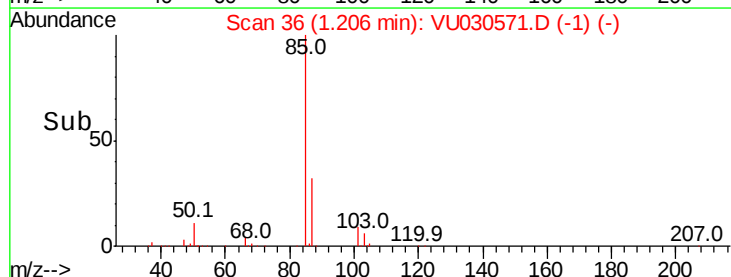
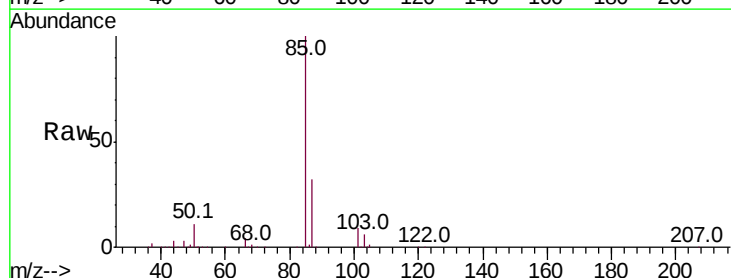
Acq: 30 Mar 2019 12:09

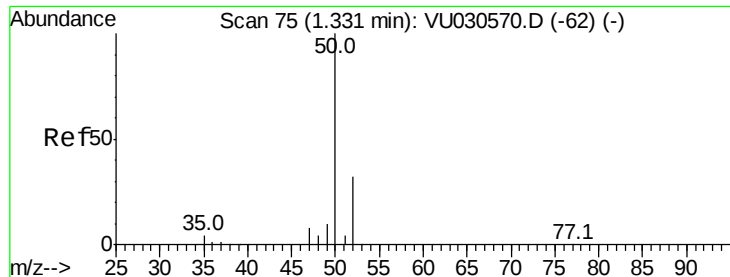
Tgt Ion: 85 Resp: 365049

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6





#3

Chloromethane

Concen: 16.897 ug/l

RT: 1.33 min Scan# 75

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 50 Resp: 428686

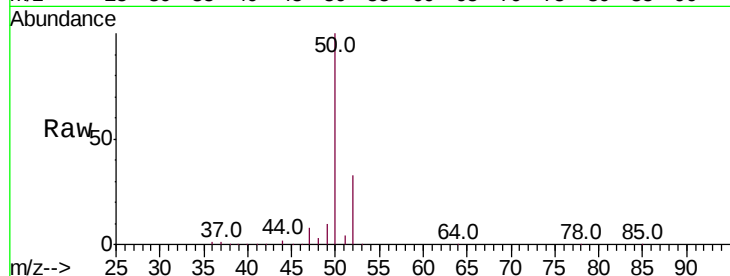
Ion Ratio Lower Upper

50 100

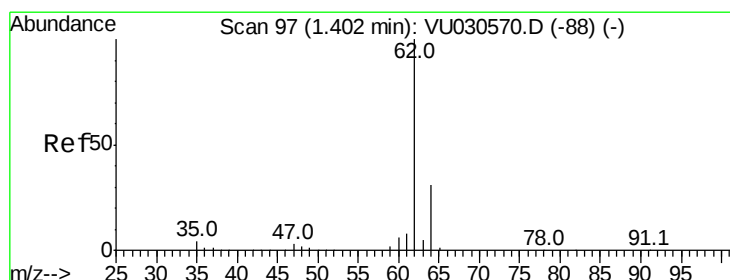
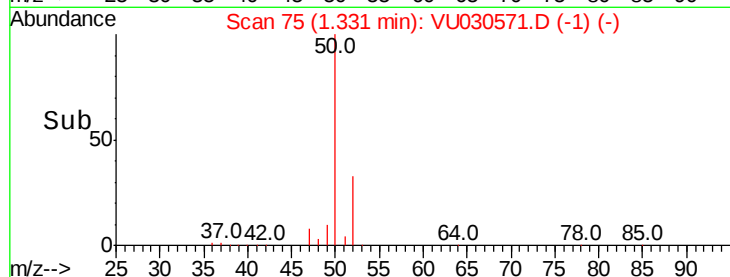
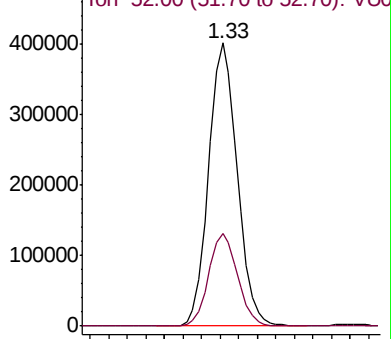
52 32.9 25.8 38.8

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Abundance Ion 50.00 (49.70 to 50.70): VU030571.D (-62) (-)



#4

Vinyl Chloride

Concen: 18.570 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU030571.D

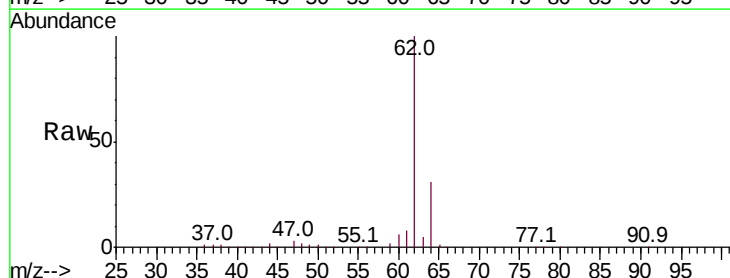
Acq: 30 Mar 2019 12:09

Tgt Ion: 62 Resp: 408971

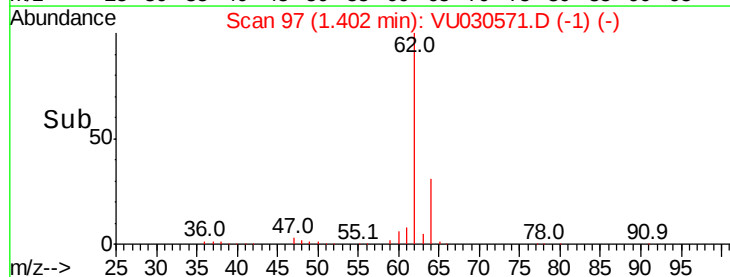
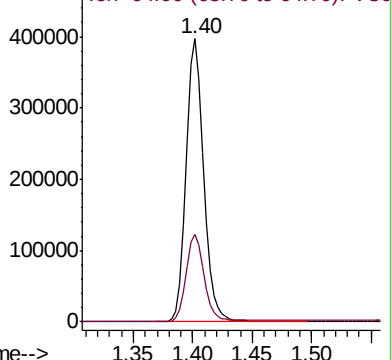
Ion Ratio Lower Upper

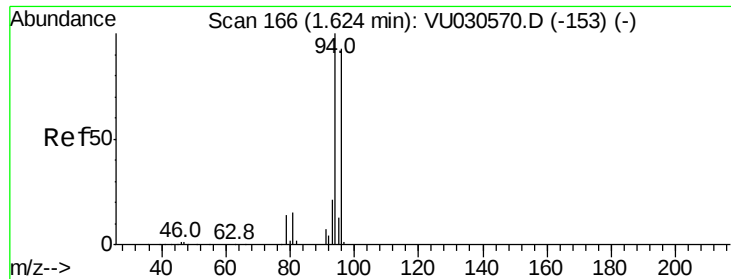
62 100

64 31.0 25.1 37.7



Abundance Ion 62.00 (61.70 to 62.70): VU030571.D (-88) (-)





#5

Bromomethane

Concen: 13.854 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.01 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampled :

VSTDIC015

Tot Ion: 94 Resp: 166424

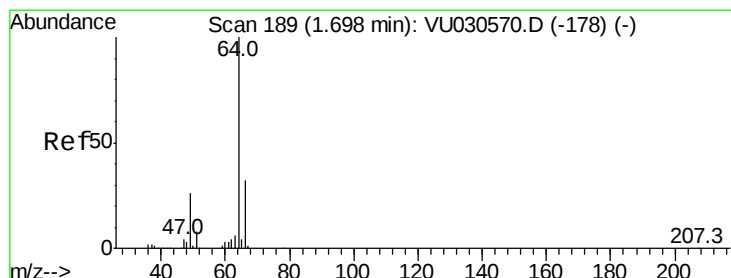
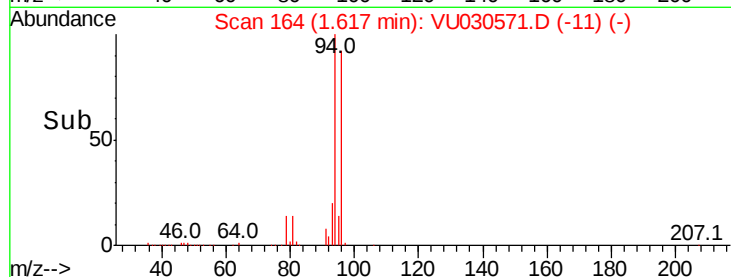
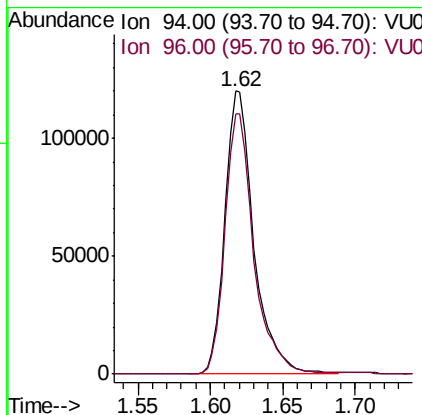
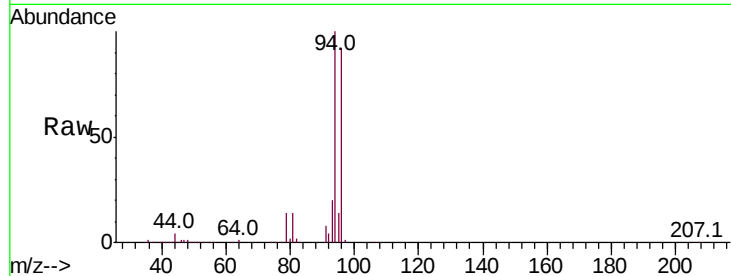
Ion Ratio Lower Upper

94 100

96 92.2 74.8 112.2

Manual Integrations
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#6

Chloroethane

Concen: 17.830 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU030571.D

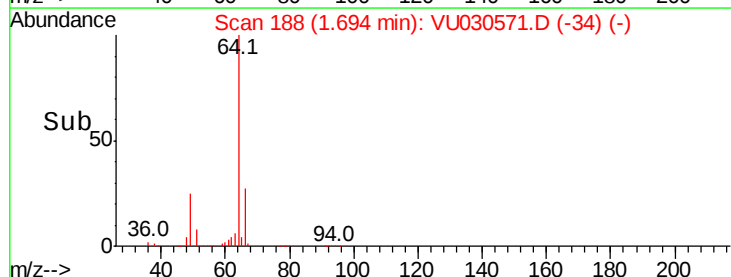
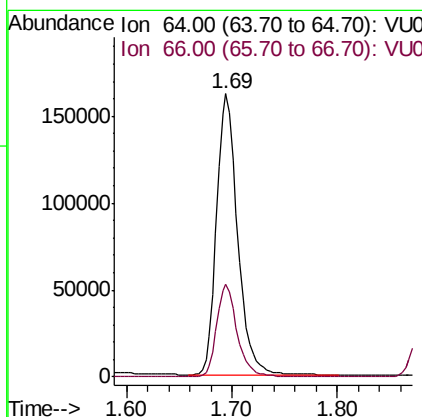
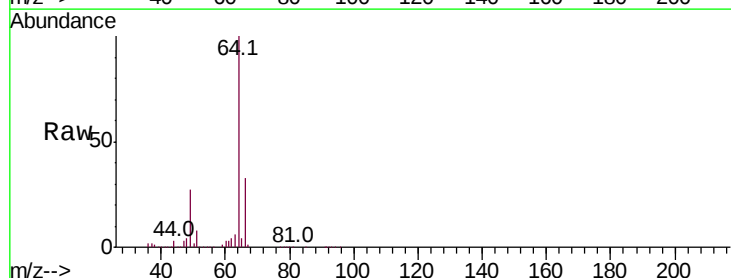
Acq: 30 Mar 2019 12:09

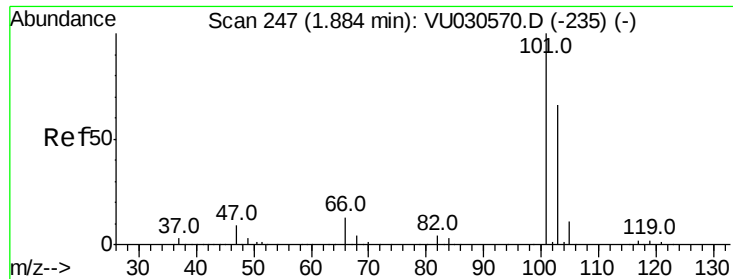
Tgt Ion: 64 Resp: 224945

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

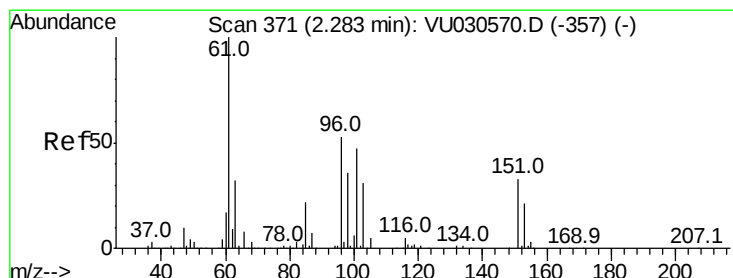
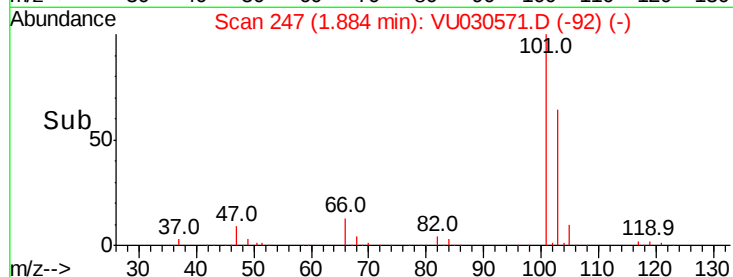
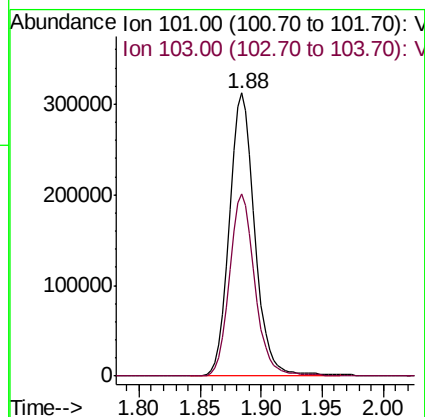
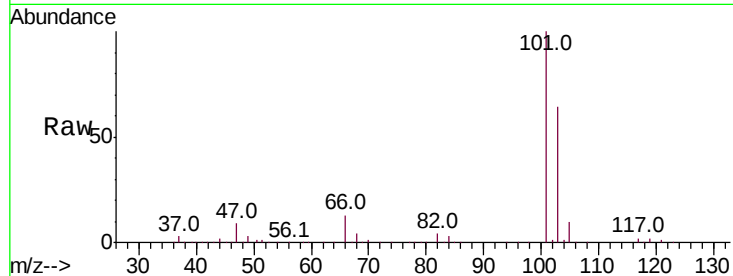
Trichlorofluoromethane
 Concen: 16.497 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	79.0

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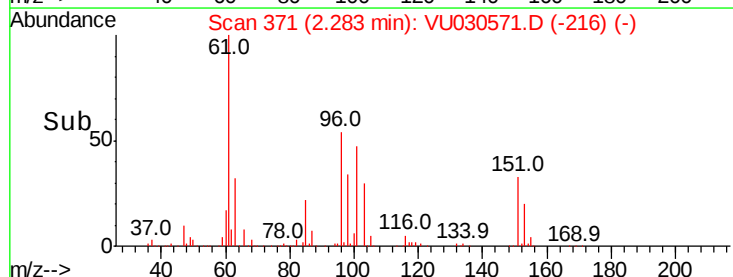
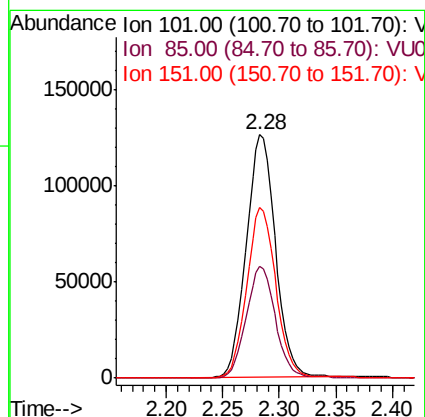
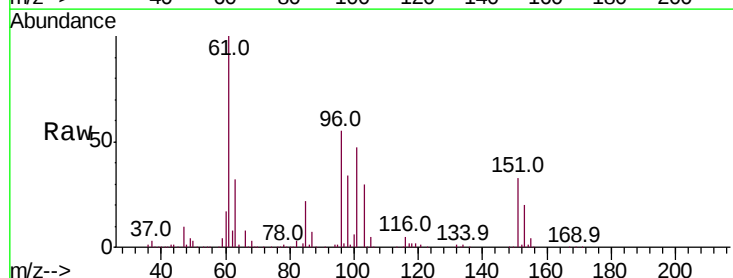
MMDadoda
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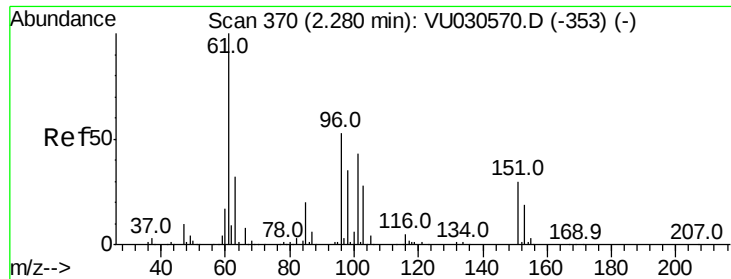


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 15.223 ug/l
 RT: 2.28 min Scan# 371
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
101	100		
85	45.8	36.5	54.7
151	70.7	56.5	84.7





#9

1,1-Dichloroethene

Concen: 15.565 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

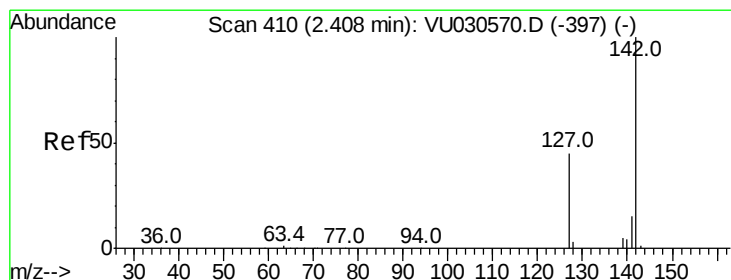
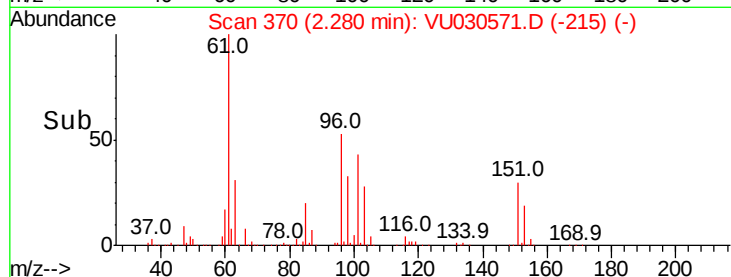
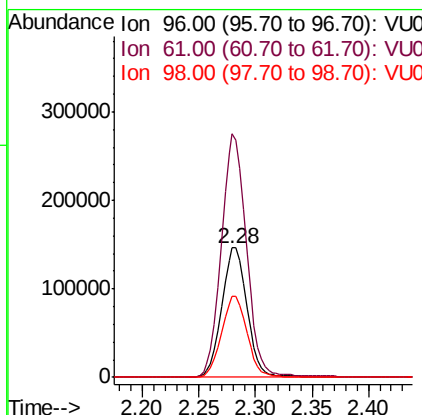
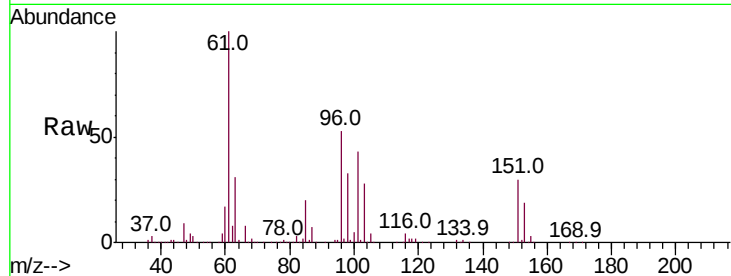
ClientSampleId :

VSTDIC015

Tot Ion:	96	Resp:	229643
Ion Ratio	Lower	Upper	
96	100		
61	188.2	0.0	567.0
98	62.3	0.0	132.2

Manual Integrations
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#10

Iodomethane

Concen: 17.786 ug/l

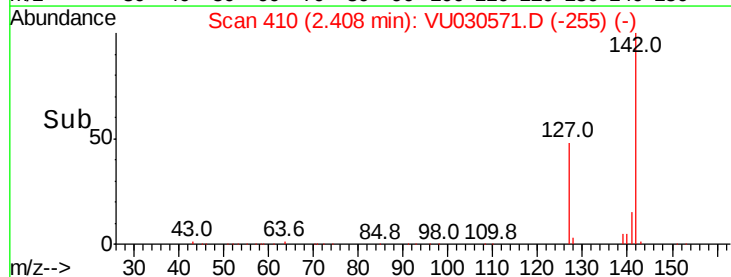
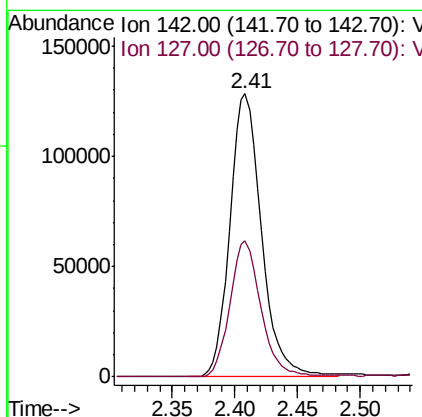
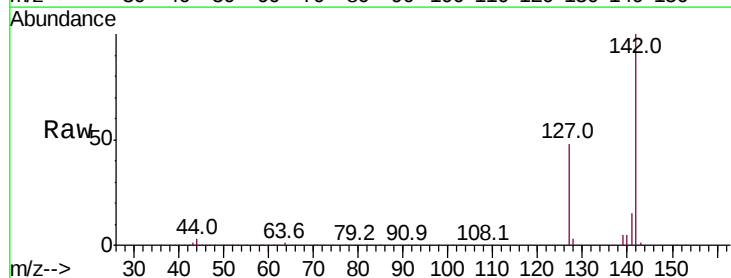
RT: 2.41 min Scan# 410

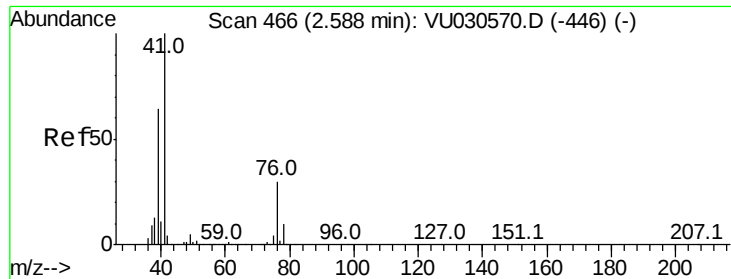
Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion:	142	Resp:	225575
Ion Ratio	Lower	Upper	
142	100		
127	47.0	36.8	55.2





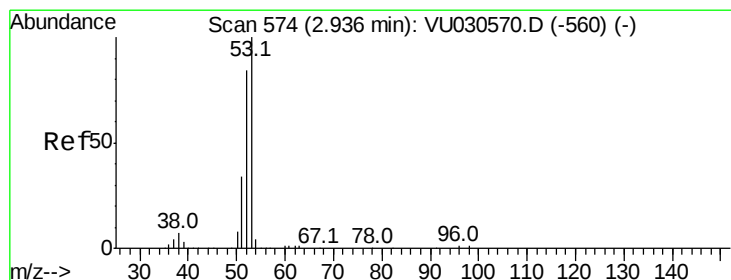
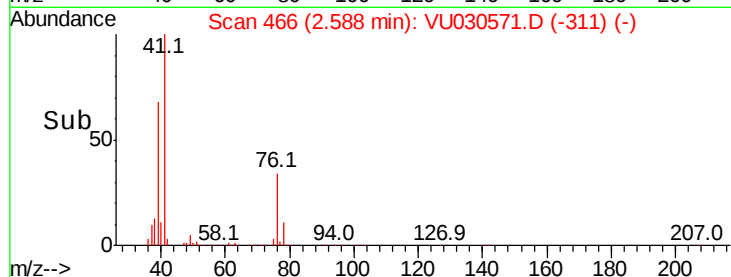
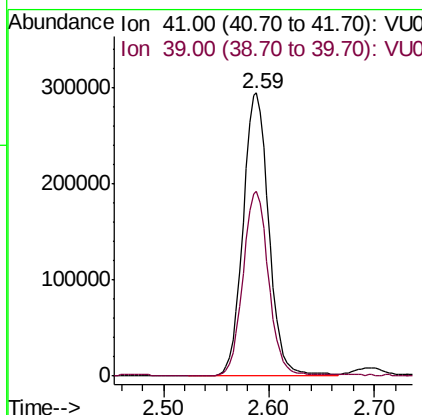
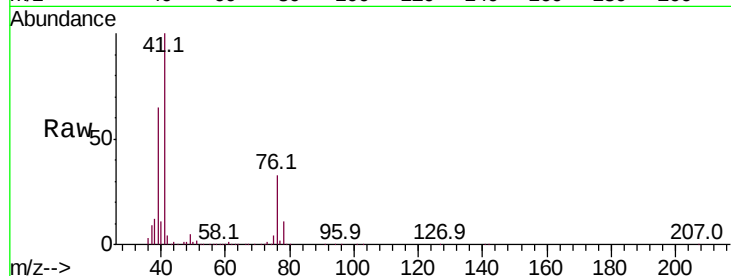
#11
Allvl Chloride
Concen: 21.811 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion: 41 Resp: 498847
Ion Ratio Lower Upper
41 100
39 64.9 51.8 77.6

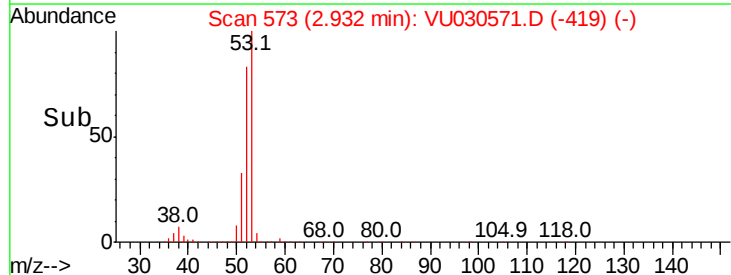
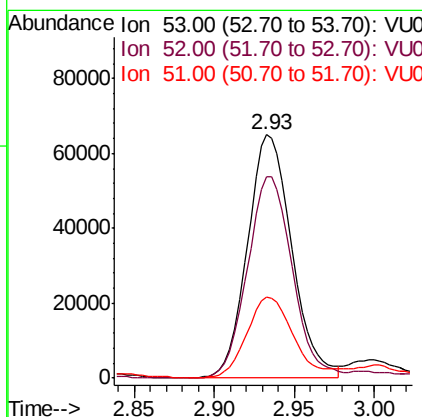
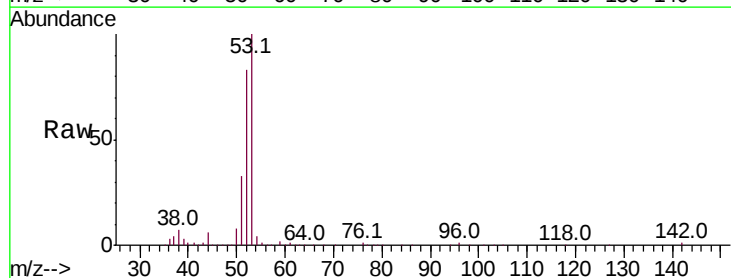
Manual Integrations
APPROVED

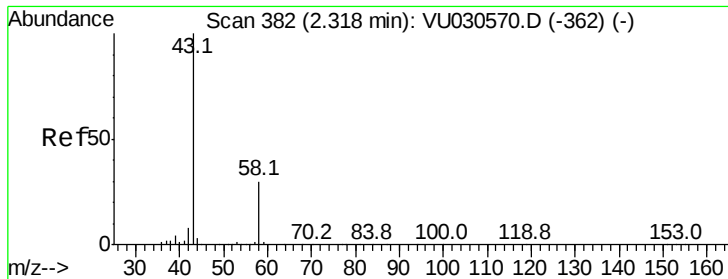
MMDadoda
4/5/2019 2:38:32 PM



#12
Acrylonitrile
Concen: 36.771 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 53 Resp: 123441
Ion Ratio Lower Upper
53 100
52 84.6 69.1 103.7
51 34.5 27.9 41.9





#13

Acetone

Concen: 93.105 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 276418

Ion Ratio Lower Upper

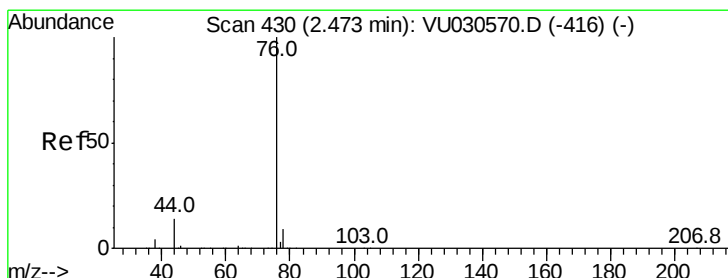
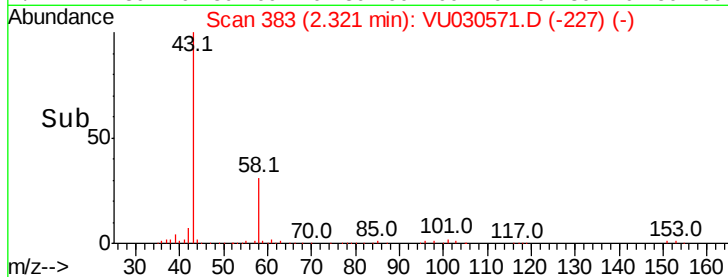
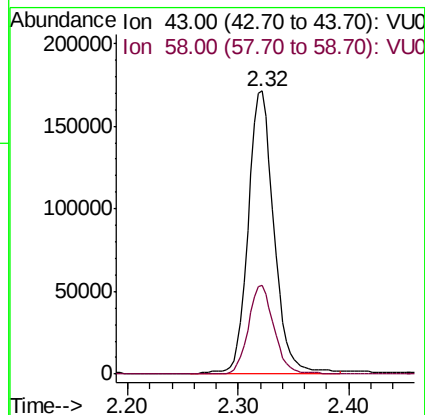
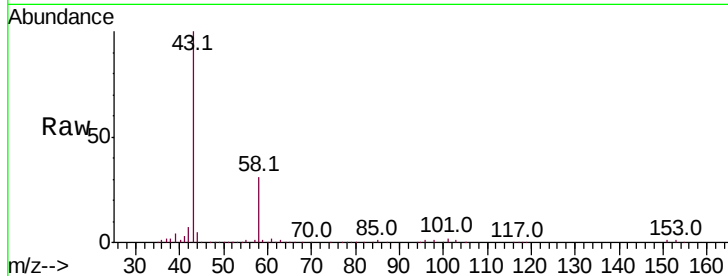
43 100

58 31.2 24.2 36.4

Manual Integrations
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#14

Carbon Disulfide

Concen: 16.105 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU030571.D

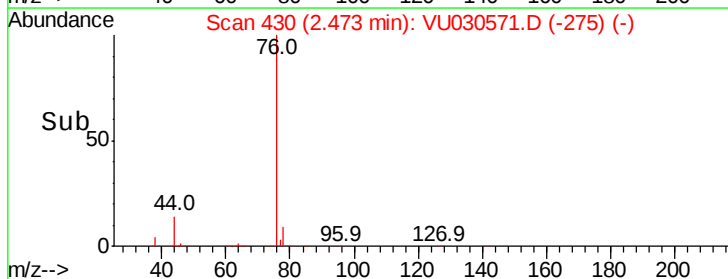
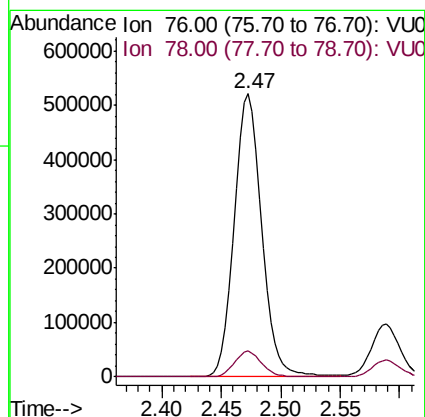
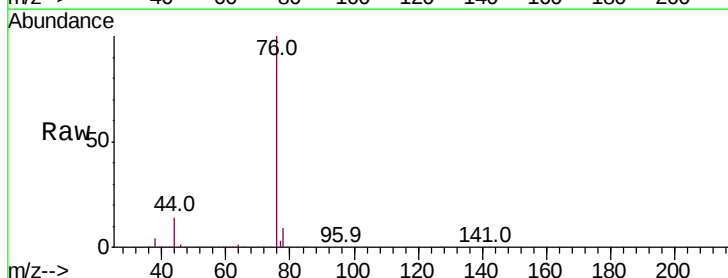
Acq: 30 Mar 2019 12:09

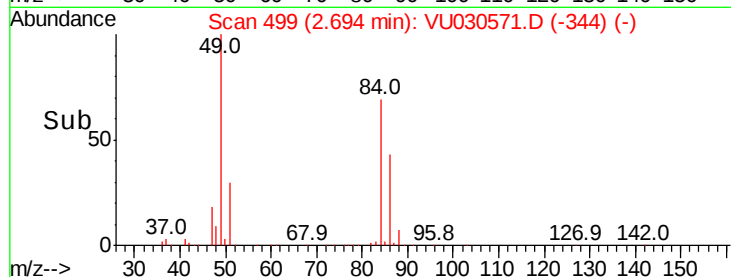
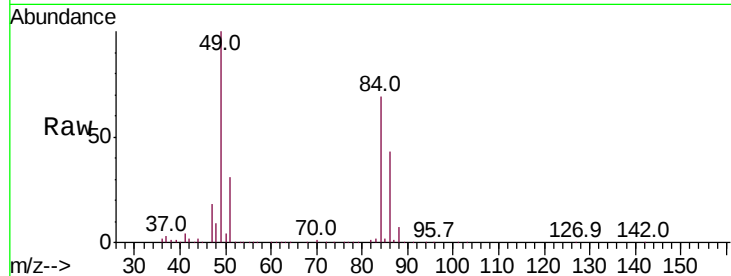
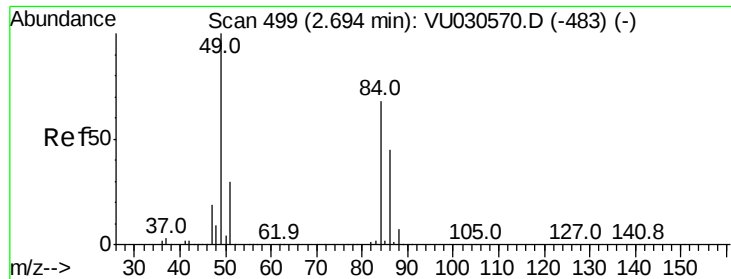
Tgt Ion: 76 Resp: 835936

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





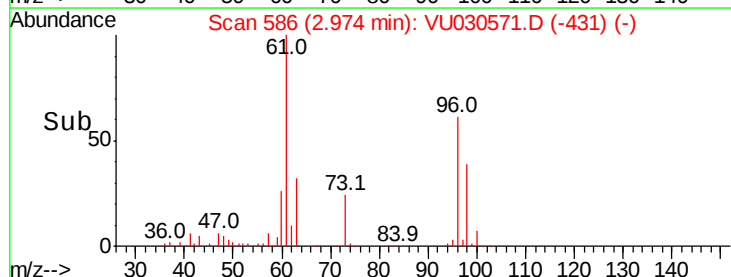
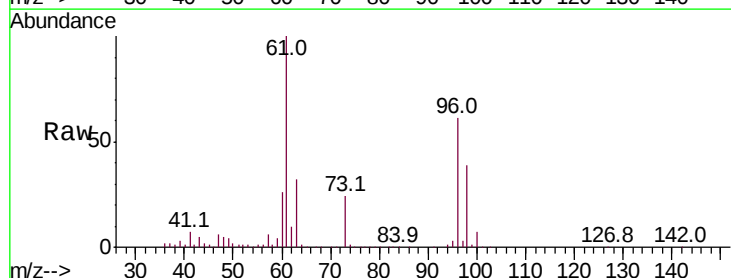
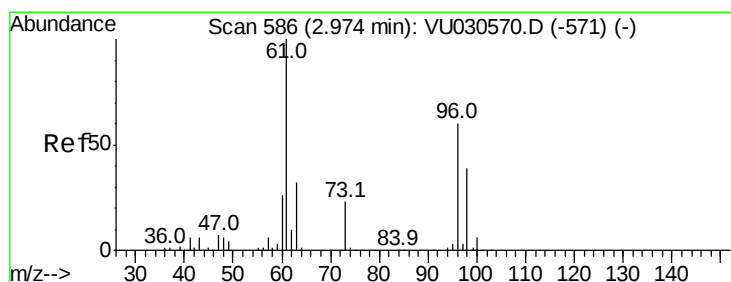
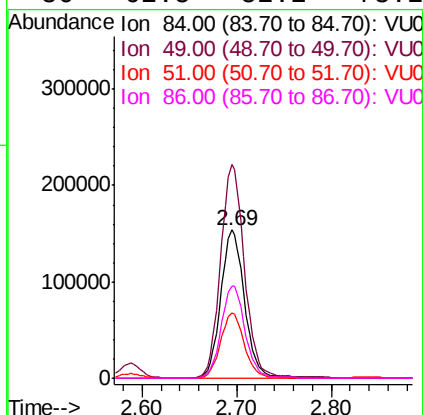
#15
Methvlene Chloride
Concen: 15.231 ug/l
RT: 2.69 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tot Ion	84	Resp	269597
Ion	Ratio	Lower	Upper
84	100		
49	144.3	117.0	175.6
51	44.0	0.0	88.6
86	62.5	52.2	78.2

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

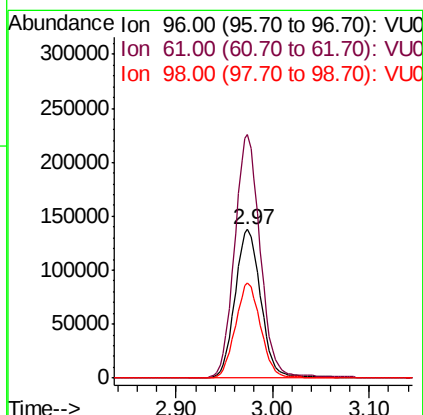
Manual Integrations
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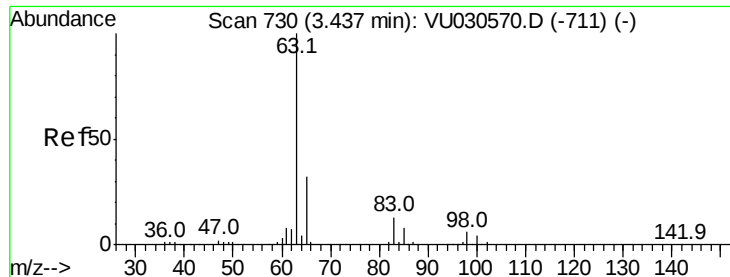
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 15.151 ug/l
RT: 2.97 min Scan# 586
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	96	Resp	256982
Ion	Ratio	Lower	Upper
96	100		
61	164.0	132.3	198.5
98	64.4	51.3	76.9





#17

1,1-Dichloroethane

Concen: 17.953 ug/l

RT: 3.44 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

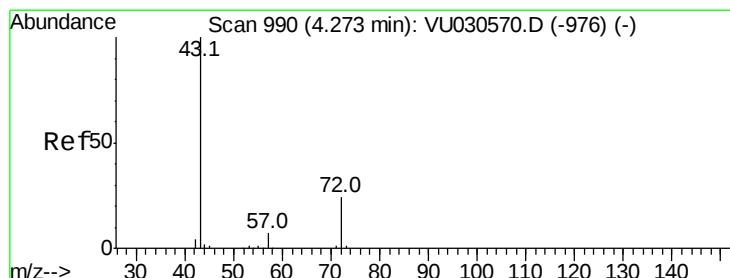
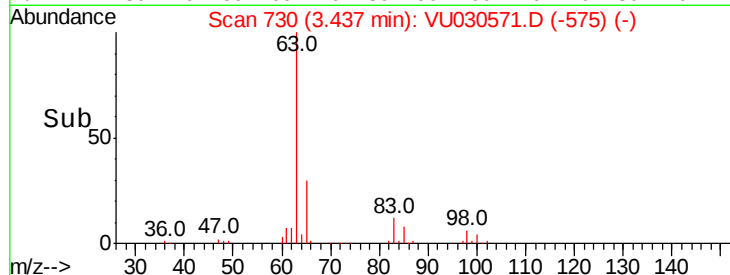
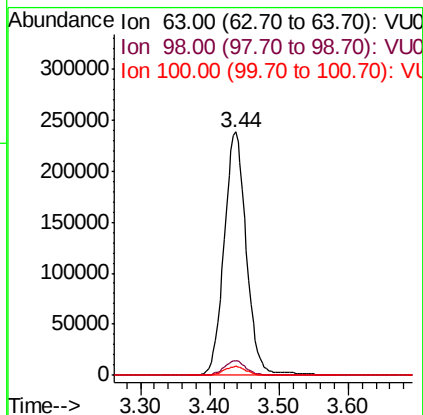
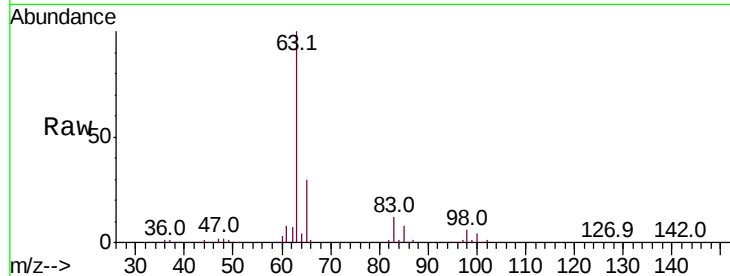
ClientSampleId :

VSTDIC015

Tot Ion:	63	Resp:	533939
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.0	9.0
100	3.6	1.8	5.5

Manual Integrations
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#18

2-Butanone

Concen: 105.119 ug/l

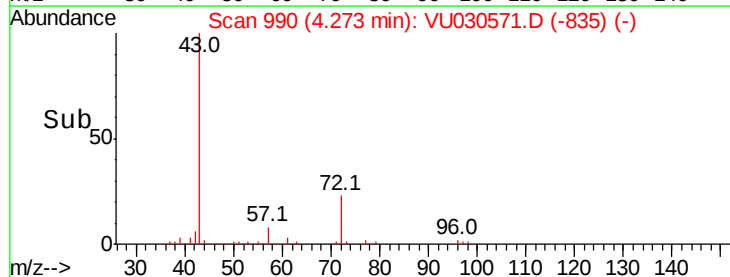
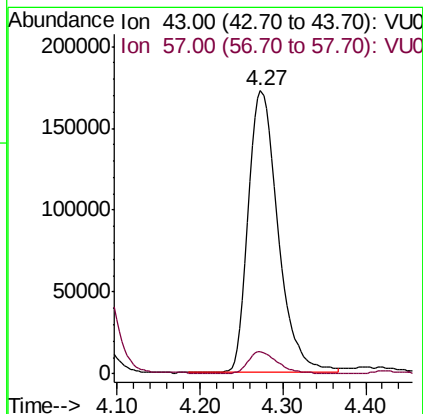
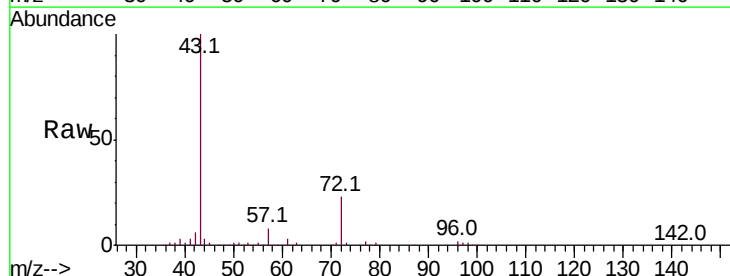
RT: 4.27 min Scan# 990

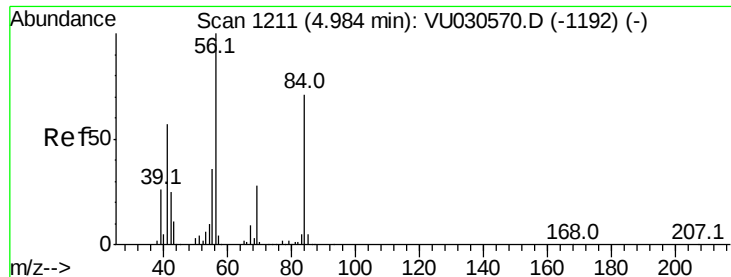
Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion:	43	Resp:	432883
Ion	Ratio	Lower	Upper
43	100		
57	7.5	0.0	14.4





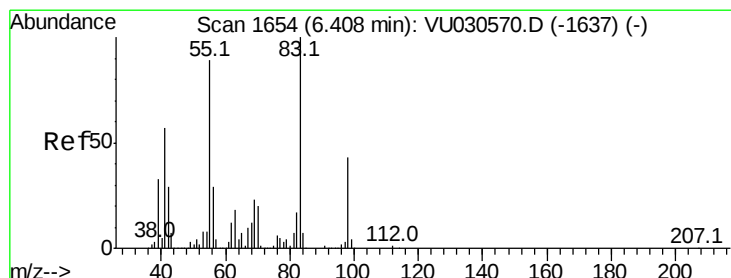
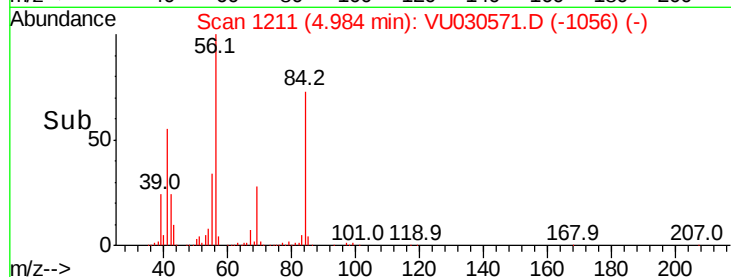
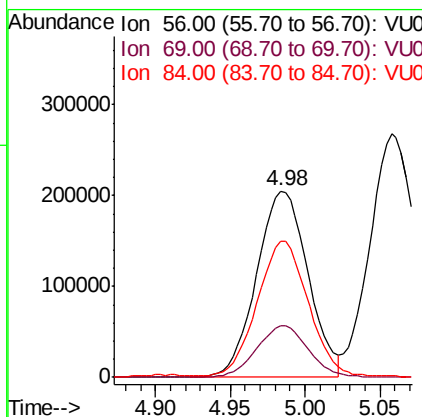
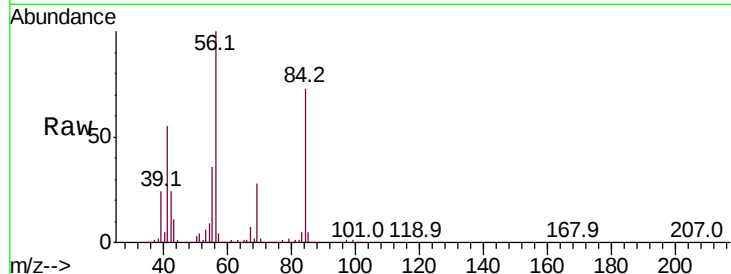
#19
Cyclohexane
Concen: 19.161 ug/l m
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.5	22.3	33.5
84	71.7	57.6	86.4

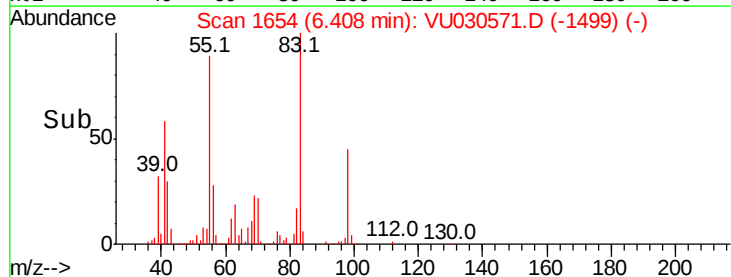
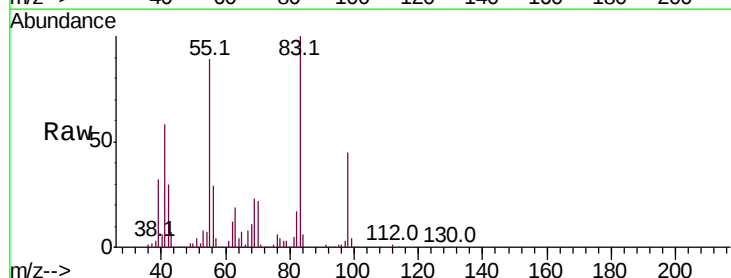
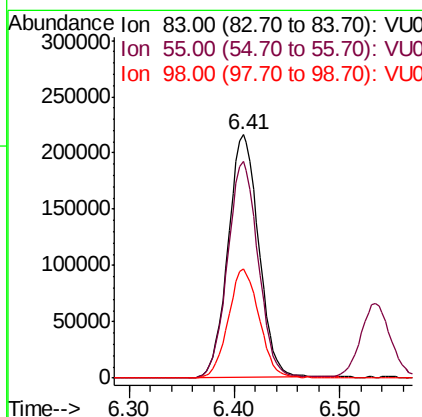
Manual Integrations
APPROVED

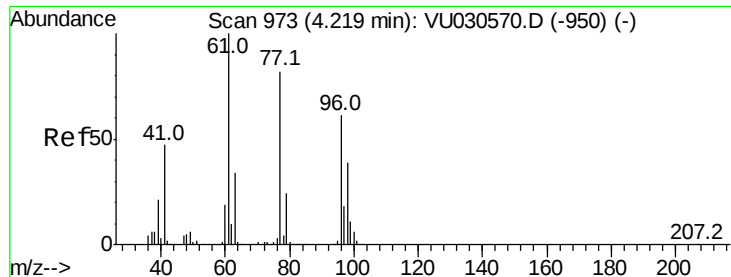
MMDadoda
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#20
Methylcyclohexane
Concen: 16.078 ug/l
RT: 6.41 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.4	72.0	108.0
98	44.9	35.0	52.4





#21

2,2-Dichloropropane

Concen: 16.420 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 77 Resp: 405265

Ion Ratio Lower Upper

77 100

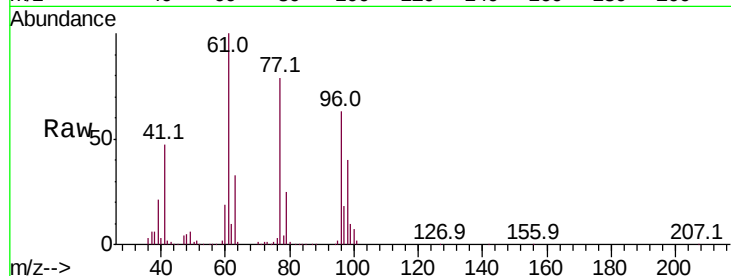
97 21.9 17.6 26.4

Manual Integrations

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

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

4.22

150000

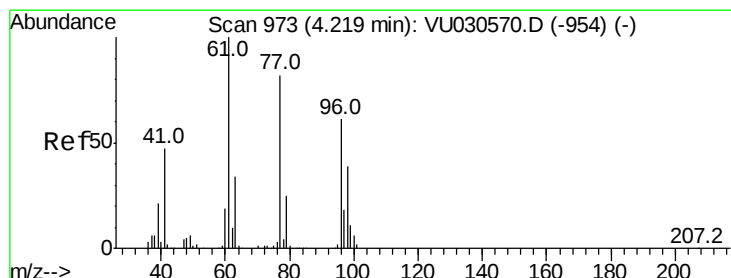
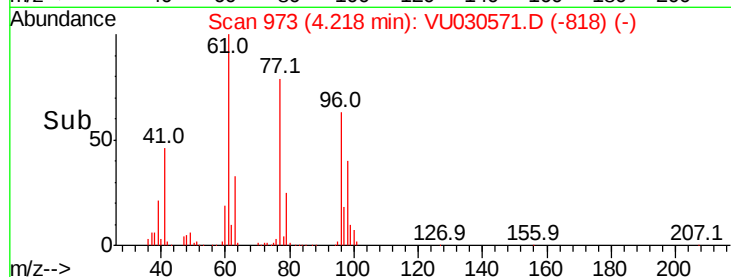
100000

50000

0

4.10 4.20 4.30 4.40

Time-->



#22

cis-1,2-Dichloroethene

Concen: 15.237 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

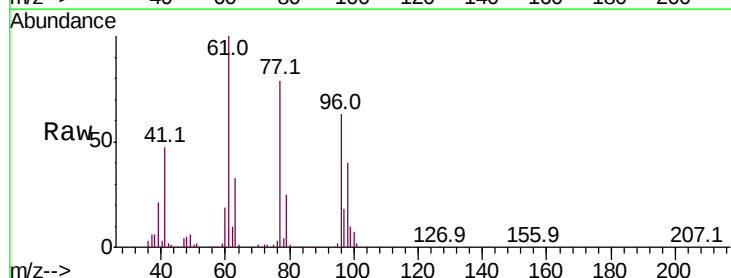
Tgt Ion: 96 Resp: 286481

Ion Ratio Lower Upper

96 100

61 165.0 0.0 427.0

98 63.8 32.5 97.4



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

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

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

250000

200000

150000

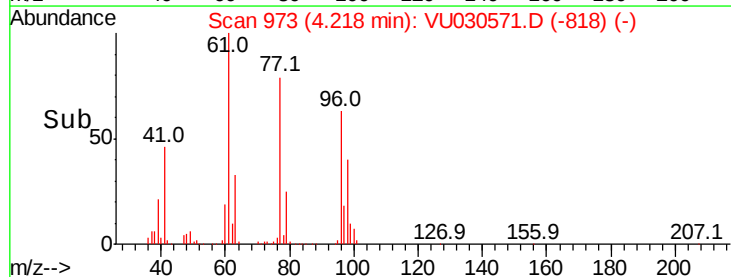
100000

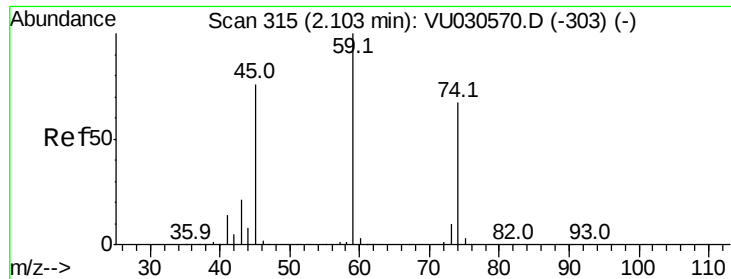
50000

0

4.10 4.20 4.30 4.40

Time-->





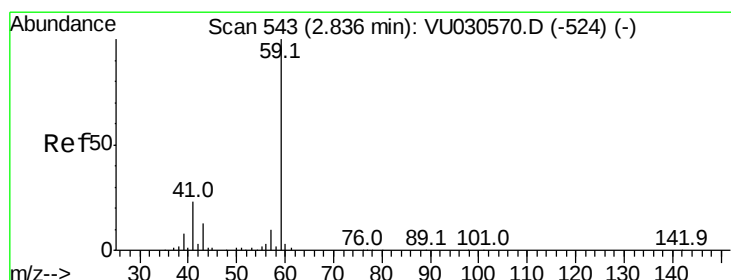
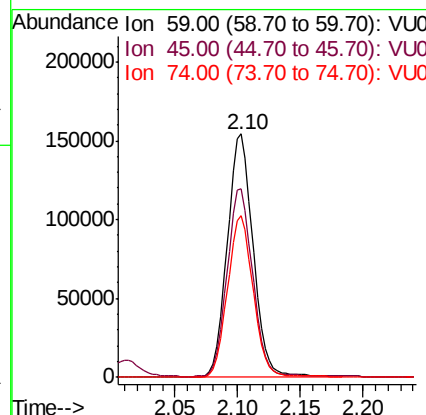
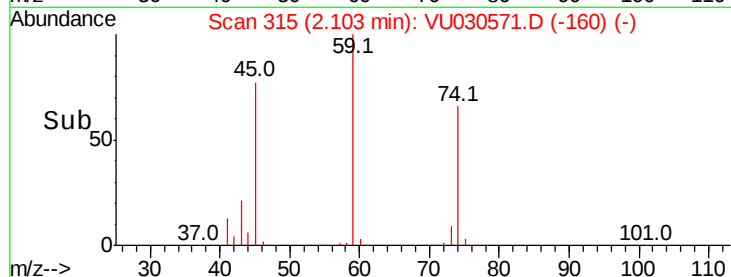
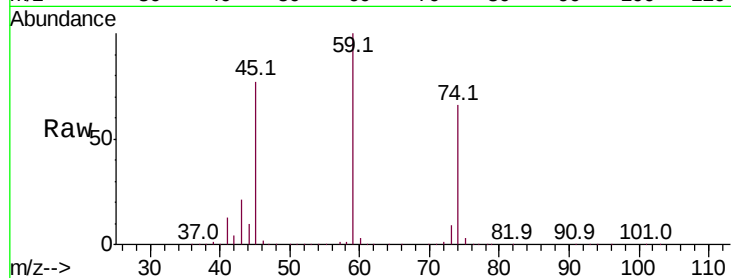
#23
Diethyl Ether
Concen: 19.195 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.5	61.6	92.4
74	65.6	53.2	79.8

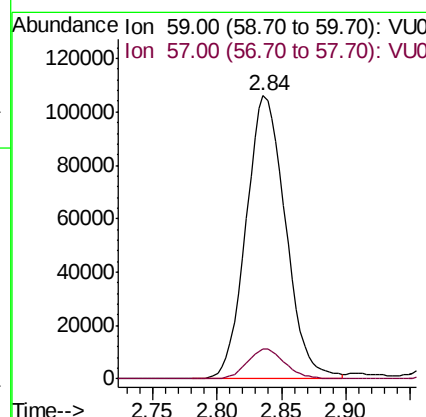
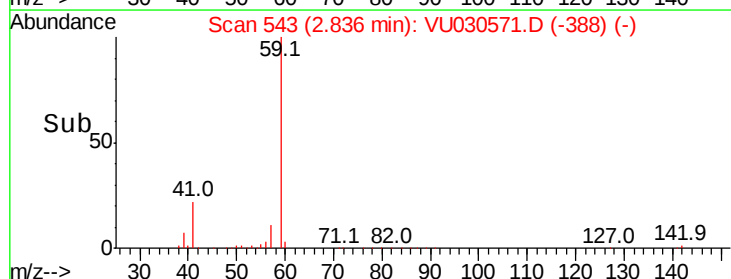
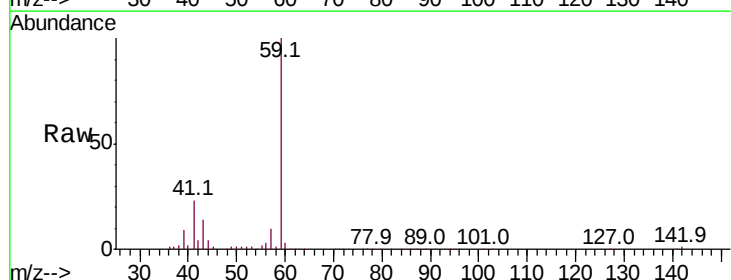
Manual Integrations
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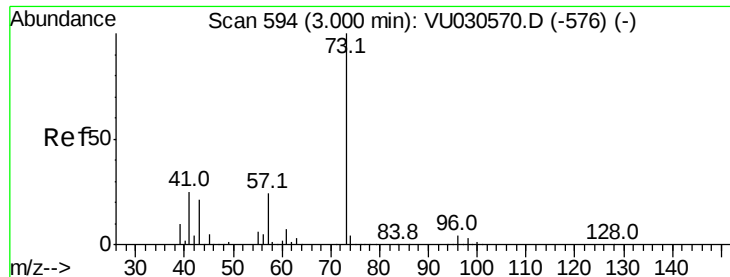
MMDadoda
4/5/2019 2:38:32 PM



#24
tert-Butyl Alcohol
Concen: 183.416 ug/l
RT: 2.84 min Scan# 543
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6





#25

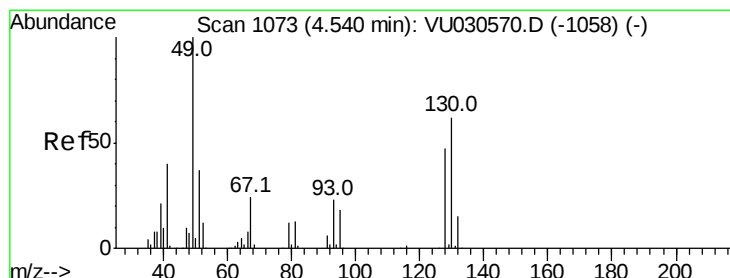
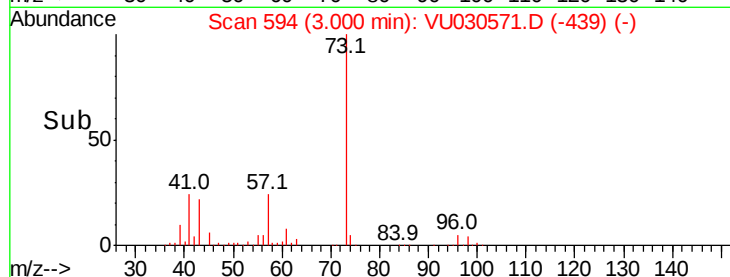
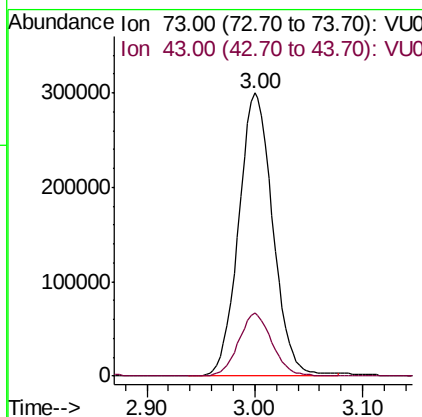
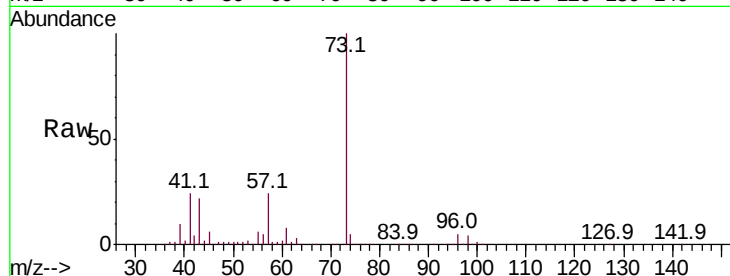
Methyl tert-Butyl Ether
 Concen: 17.232 ug/l
 RT: 3.00 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.5	16.6	24.8

Manual Integrations
 APPROVED

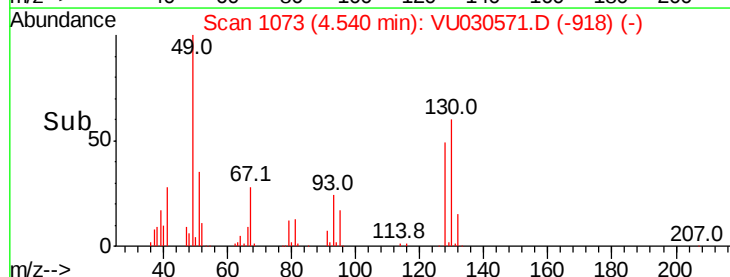
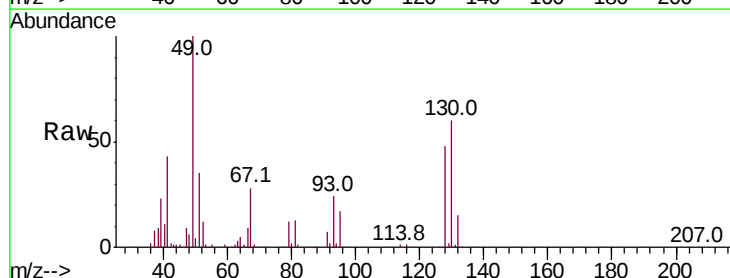
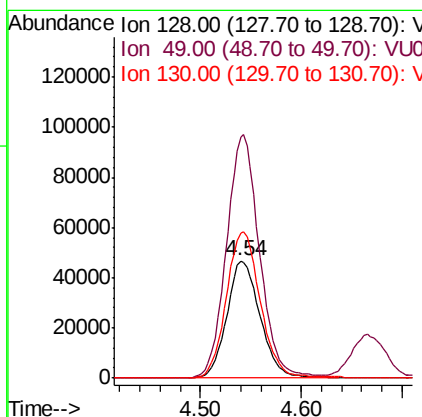
MMDadoda
 4/5/2019 2:38:32 PM

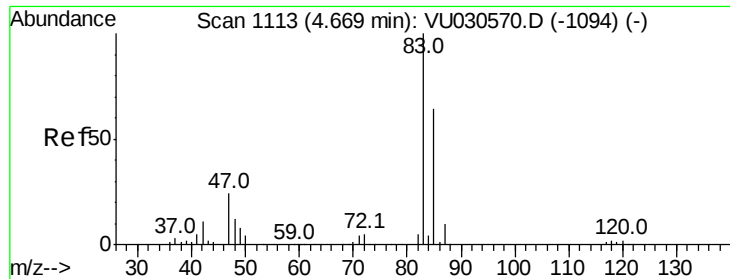


#26

Bromochloromethane
 Concen: 13.281 ug/l
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
128	100		
49	205.8	0.0	418.2
130	127.5	103.4	155.0





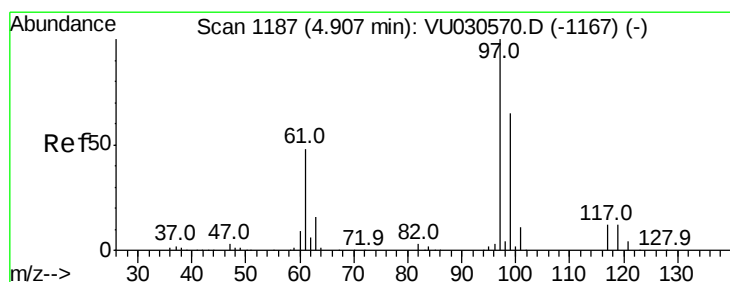
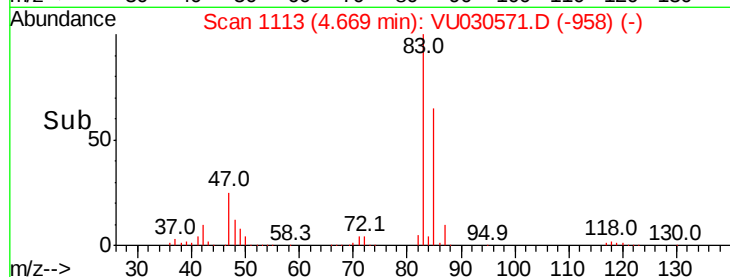
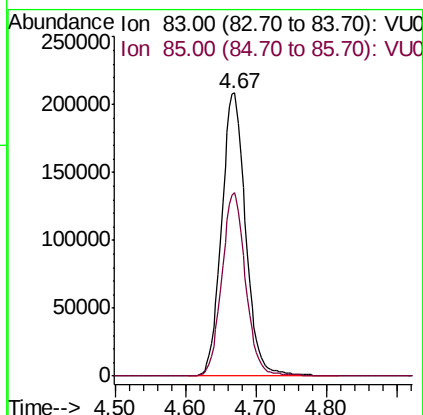
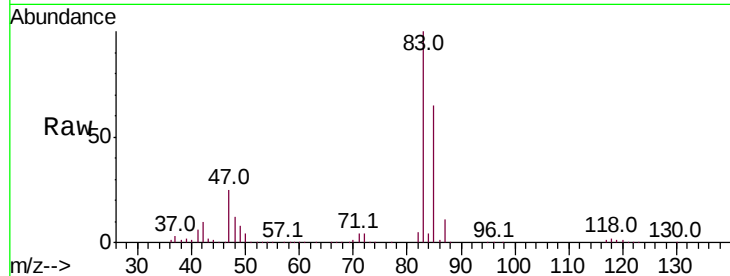
#27
Chloroform
Concen: 16.128 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
83	100	497704		
85	64.7	0.0	128.4	

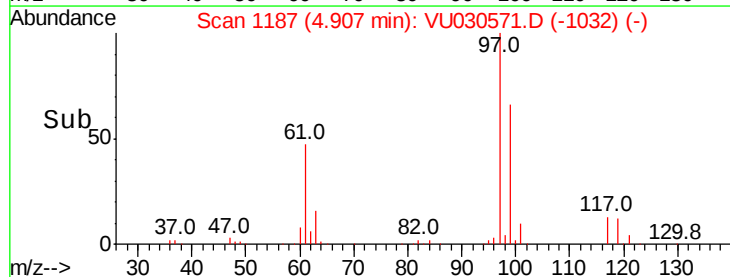
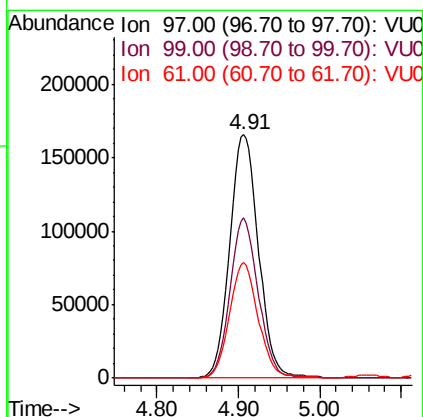
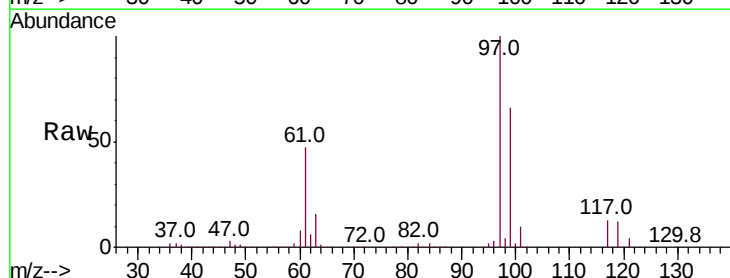
Manual Integrations
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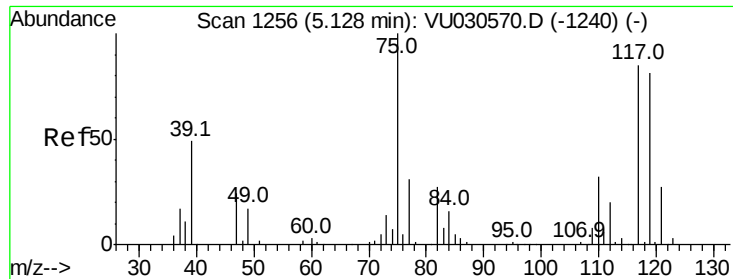
MMDadoda
4/5/2019 2:38:32 PM



#28
1,1,1-Trichloroethane
Concen: 16.269 ug/l
RT: 4.91 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	409785		
99	64.7	32.0	96.0	
61	47.3	24.0	72.0	





#29

1,1-Dichloropropene

Concen: 16.572 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 75 Resp: 379398

Ion Ratio Lower Upper

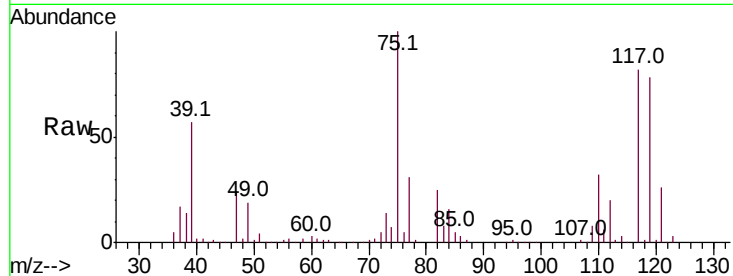
75 100

110 32.9 16.0 48.0

77 30.4 24.8 37.2

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Abundance Ion 75.00 (74.70 to 75.70): VU030571.D (-1101) (-)

Ion 110.00 (109.70 to 110.70): VU030571.D (-1101) (-)

Ion 77.00 (76.70 to 77.70): VU030571.D (-1101) (-)

5.13

200000

150000

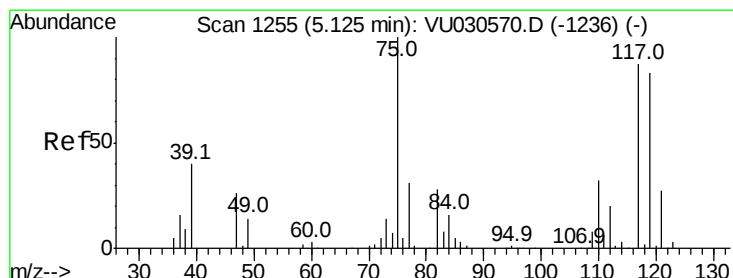
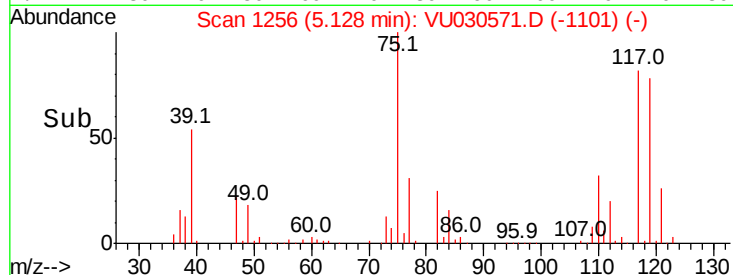
100000

50000

0

5.10 5.20

Time-->



#30

Carbon Tetrachloride

Concen: 15.660 ug/l

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

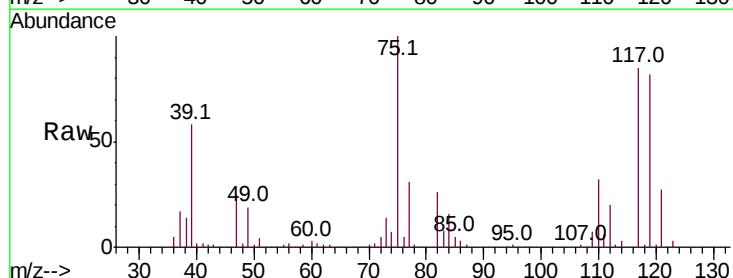
Tgt Ion: 117 Resp: 349681

Ion Ratio Lower Upper

117 100

119 96.0 76.4 114.6

121 31.4 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): VU030571.D (-1100) (-)

Ion 119.00 (118.70 to 119.70): VU030571.D (-1100) (-)

Ion 121.00 (120.70 to 121.70): VU030571.D (-1100) (-)

5.13

200000

150000

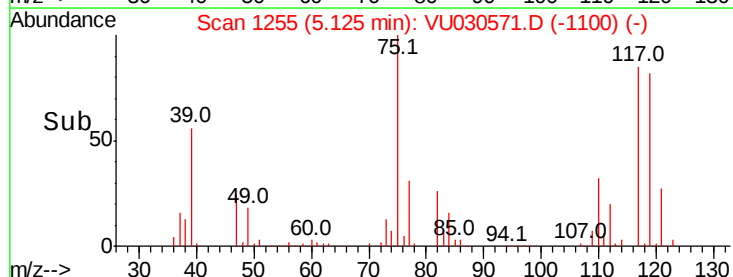
100000

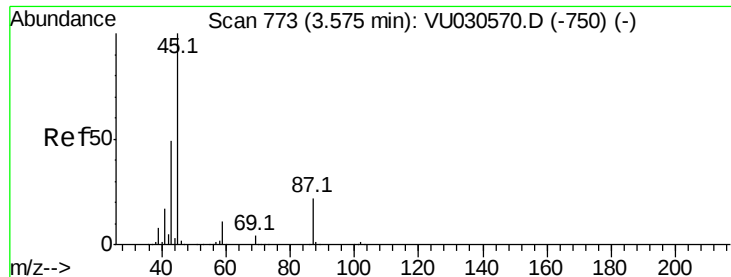
50000

0

5.10 5.20

Time-->





#31

Isopropyl Ether

Concen: 21.037 ug/l

RT: 3.58 min Scan# 773

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 914999

Ion Ratio Lower Upper

45 100

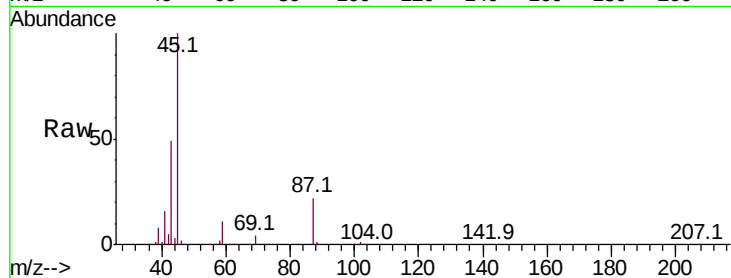
43 48.9 25.0 75.0

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Abundance Ion 45.00 (44.70 to 45.70): VU030571.D (-750) (-)

Ion 43.00 (42.70 to 43.70): VU030571.D (-750) (-)

3.58

400000

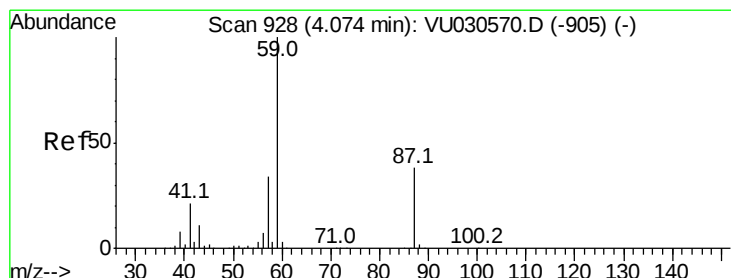
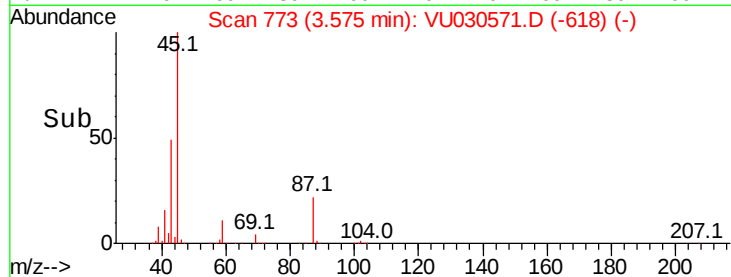
300000

200000

100000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 18.456 ug/l

RT: 4.07 min Scan# 928

Delta R.T. -0.00 min

Lab File: VU030571.D

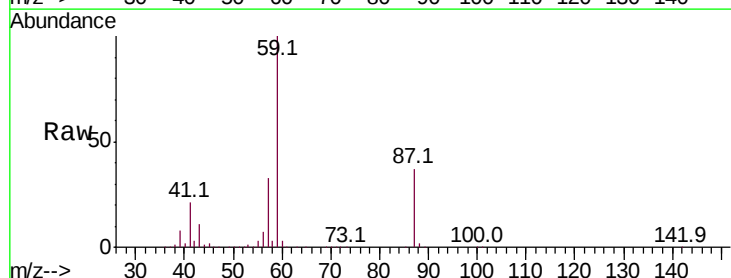
Acq: 30 Mar 2019 12:09

Tgt Ion: 59 Resp: 743217

Ion Ratio Lower Upper

59 100

87 37.0 30.1 45.1



Abundance Ion 59.00 (58.70 to 59.70): VU030571.D (-773) (-)

Ion 87.00 (86.70 to 87.70): VU030571.D (-773) (-)

4.07

300000

250000

200000

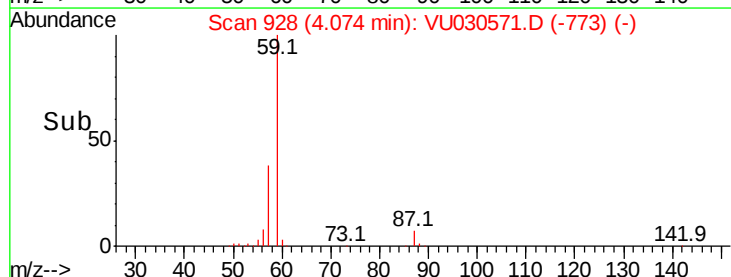
150000

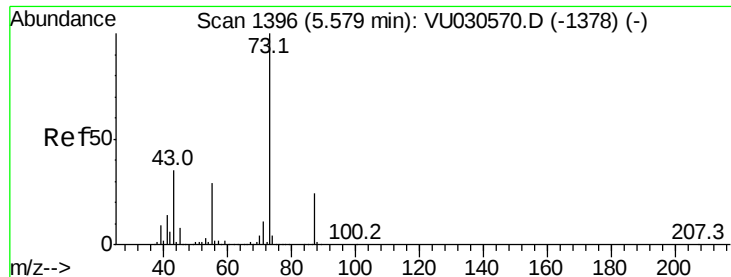
100000

50000

0

Time-->





#33

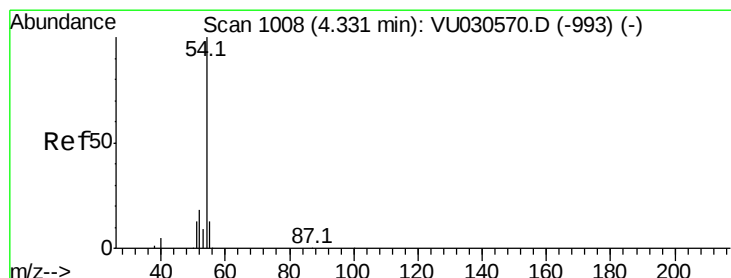
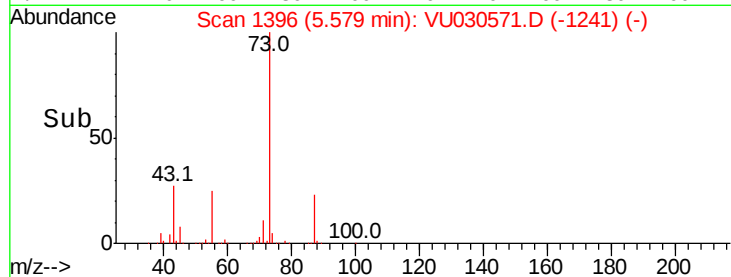
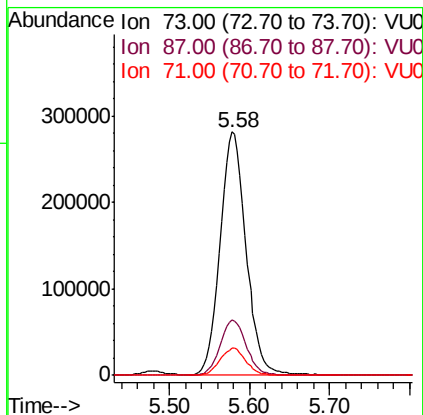
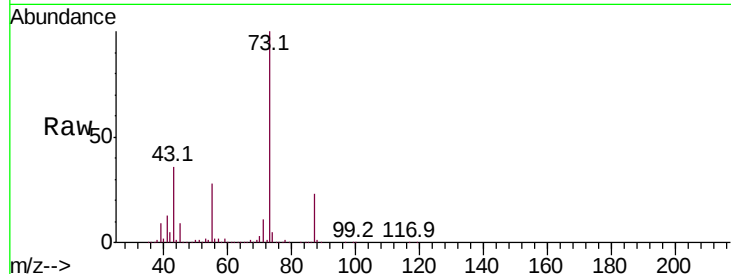
Tert-Butyl methyl ether
 Concen: 17.301 ug/l
 RT: 5.58 min Scan# 1396
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.8	18.6	27.8
71	11.2	9.0	13.4

Manual Integrations
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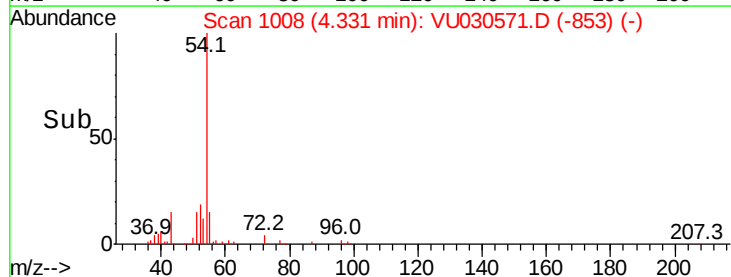
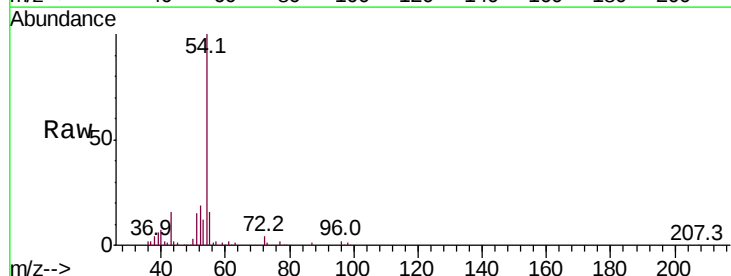
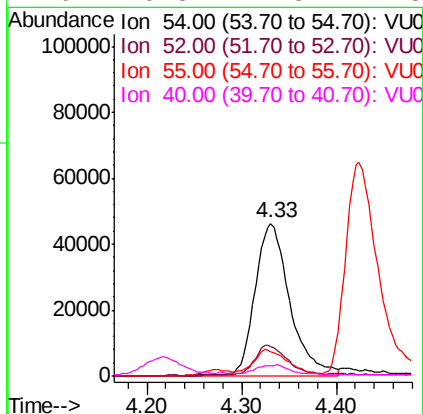
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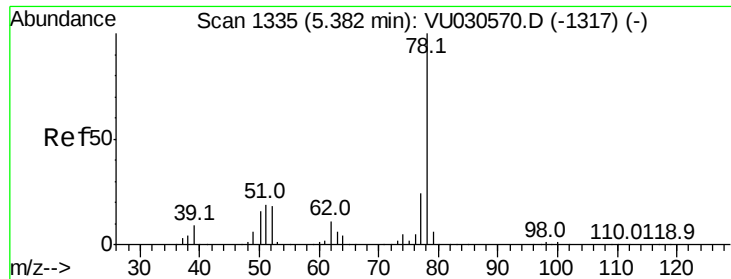


#34

Propionitrile
 Concen: 104.257 ug/l
 RT: 4.33 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
54	100		
52	18.4	14.1	21.1
55	16.7	10.4	15.6#
40	6.3	1.8	2.8#





#35

Benzene

Concen: 16.392 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 78 Resp: 1101635

Ion Ratio Lower Upper

78 100

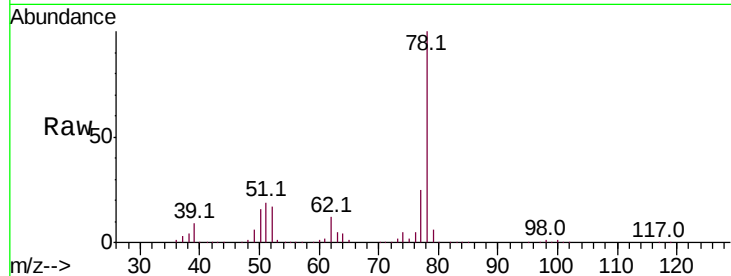
77 24.8 19.5 29.3

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU030571.D (-1180) (-)

Ion 77.00 (76.70 to 77.70): VU030571.D (-1180) (-)

5.38

500000

400000

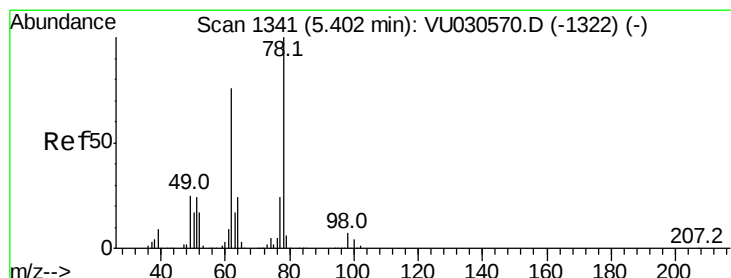
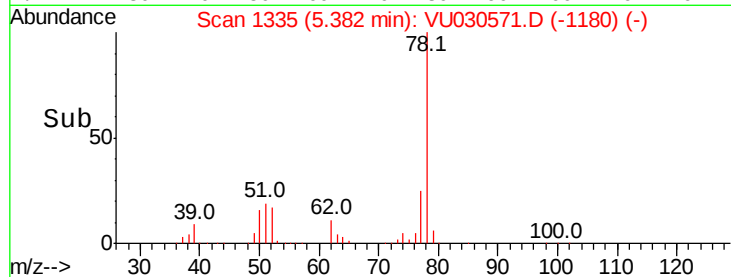
300000

200000

100000

0

Time-->



#36

1,2-Dichloroethane

Concen: 17.663 ug/l

RT: 5.40 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VU030571.D

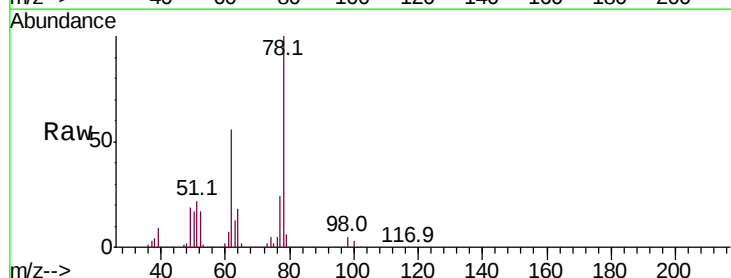
Acq: 30 Mar 2019 12:09

Tgt Ion: 62 Resp: 326241

Ion Ratio Lower Upper

62 100

98 8.2 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VU030571.D (-1186) (-)

Ion 98.00 (97.70 to 98.70): VU030571.D (-1186) (-)

5.40

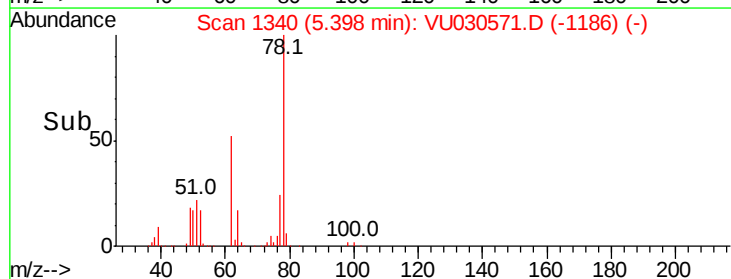
150000

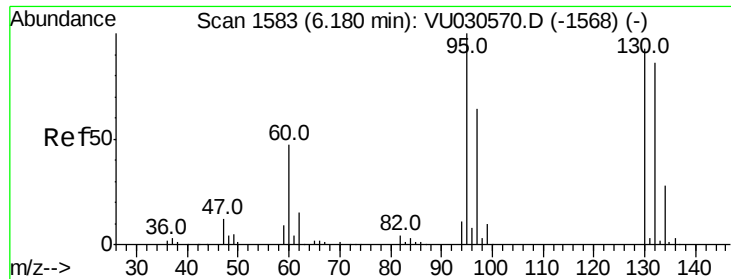
100000

50000

0

Time-->





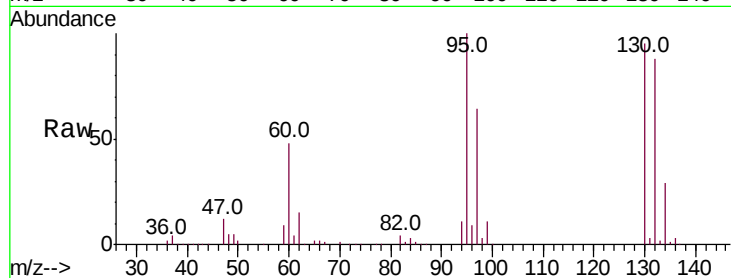
#37
 Trichloroethene
 Concen: 13.946 ug/l
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

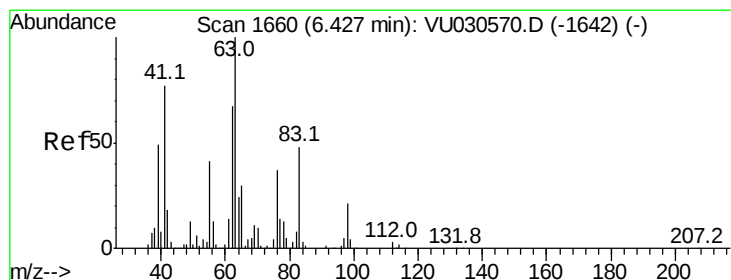
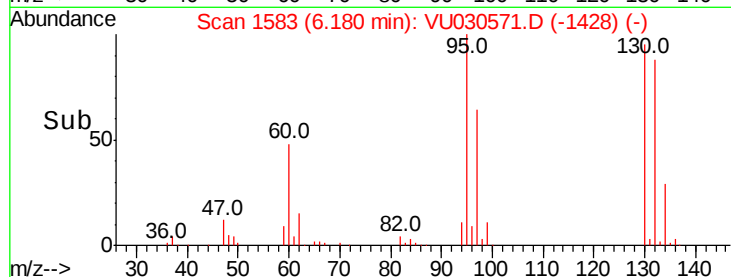
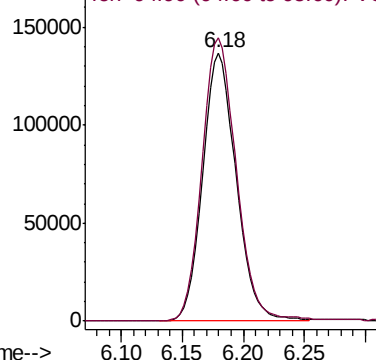
Tot Ion	Ratio	Lower	Upper
130	100		
95	105.5	85.8	128.8

Manual Integrations
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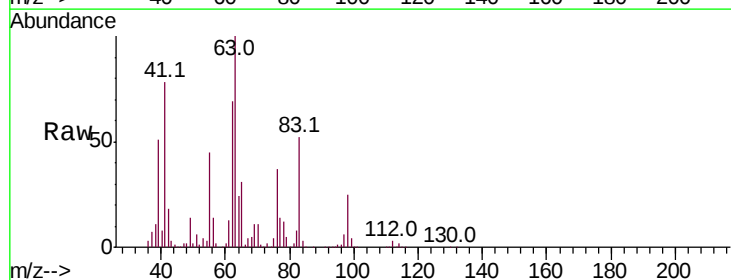


Abundance Ion 129.90 (129.60 to 130.60): VU030571.D (-1568) (-)
 Ion 94.90 (94.60 to 95.60): VU030571.D (-1568) (-)

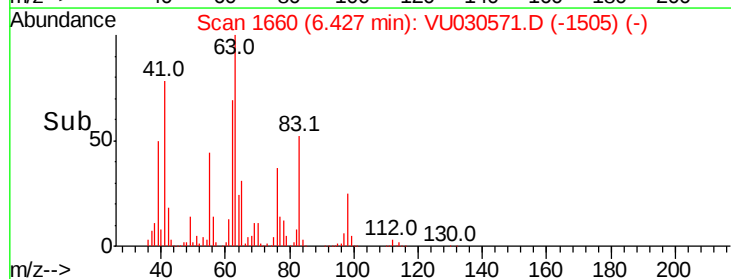
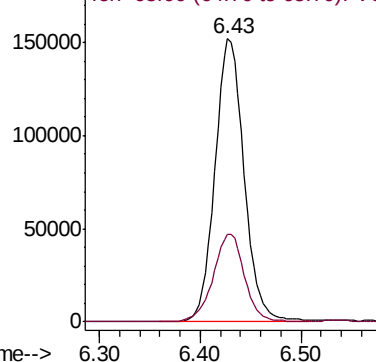


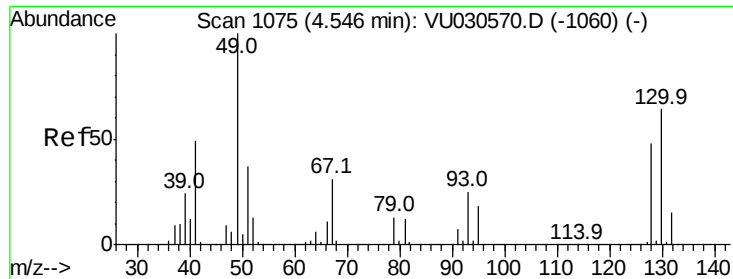
#38
 1,2-Dichloropropane
 Concen: 17.404 ug/l
 RT: 6.43 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.9	35.9



Abundance Ion 63.00 (62.70 to 63.70): VU030571.D (-1642) (-)
 Ion 65.00 (64.70 to 65.70): VU030571.D (-1642) (-)





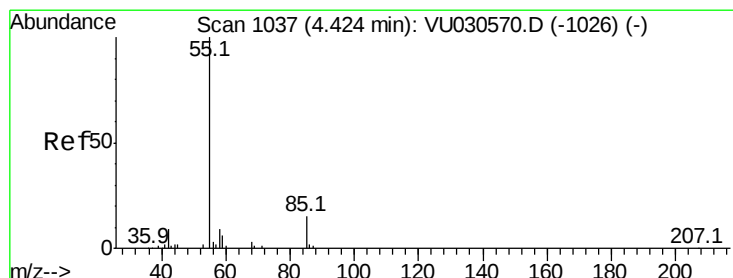
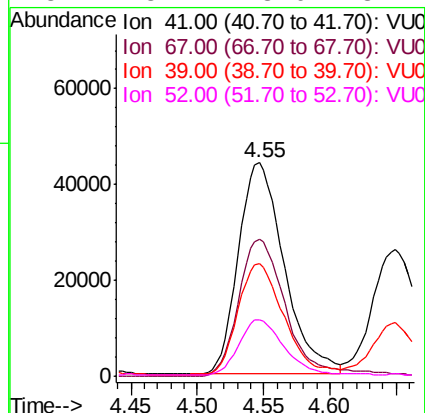
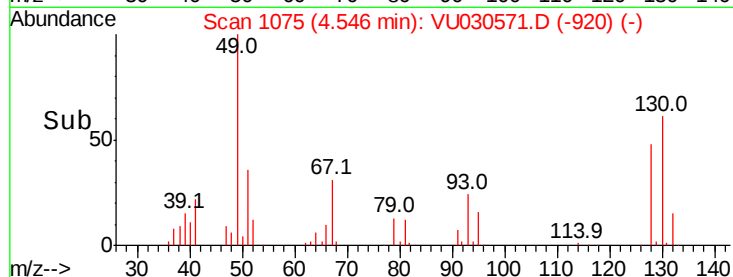
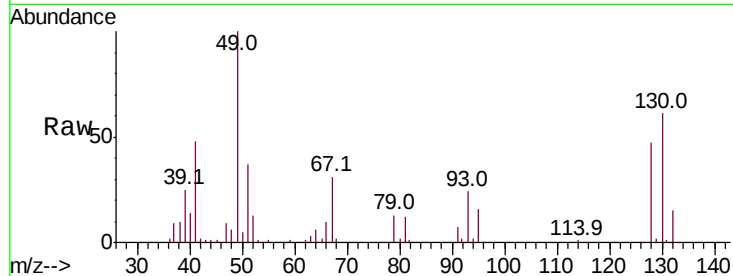
#39
Methacrylonitrile
Concen: 20.957 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	41	Resp	106414
Ion	Ratio	Lower	Upper
41	100		
67	67.5	50.2	75.4
39	52.8	40.7	61.1
52	25.7	23.0	34.4

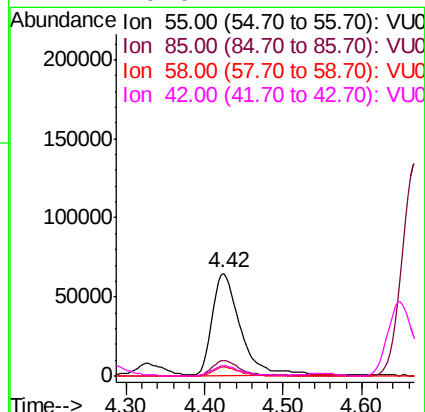
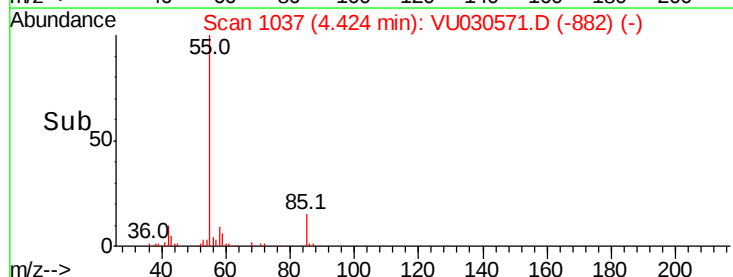
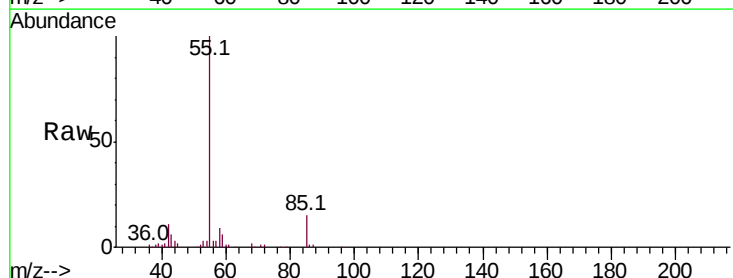
Manual Integrations
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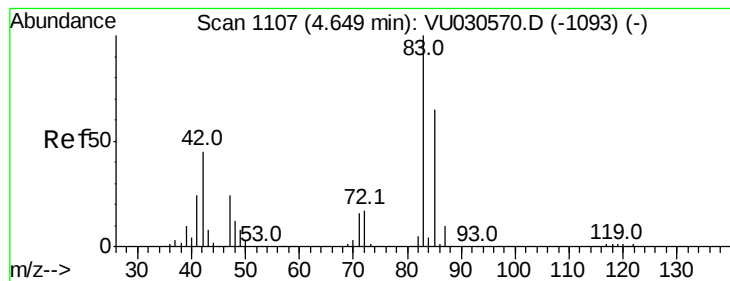
MMDadoda
4/5/2019 2:38:32 PM



#40
Methyl acrylate
Concen: 20.757 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	55	Resp	160397
Ion	Ratio	Lower	Upper
55	100		
85	14.8	12.5	18.7
58	8.6	6.3	9.5
42	9.0	7.4	11.2





#41

Tetrahydrofuran

Concen: 40.201 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

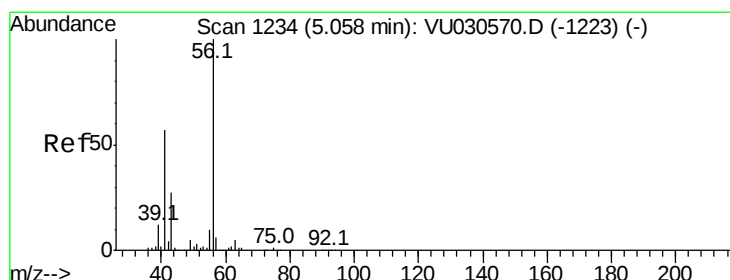
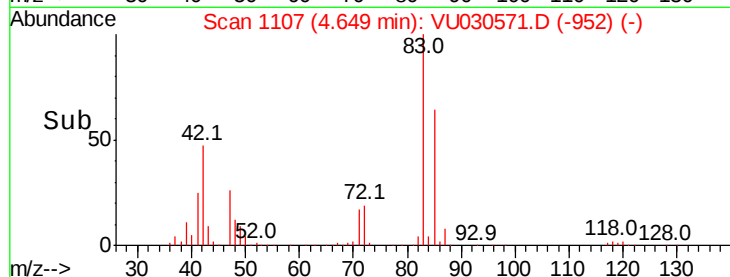
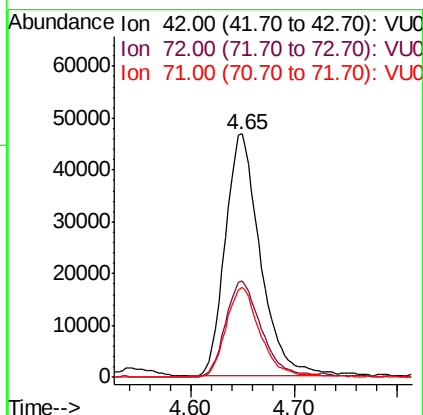
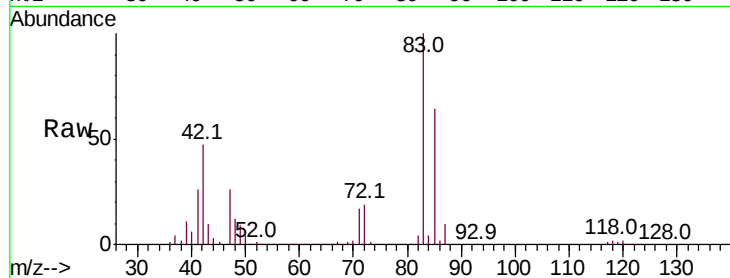
ClientSampleId :

VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.4	50.0
71	35.8	28.8	43.2

Manual Integrations
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#42

1-Chlorobutane

Concen: 18.983 ug/l

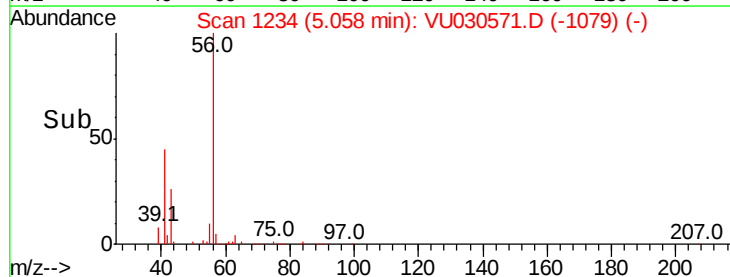
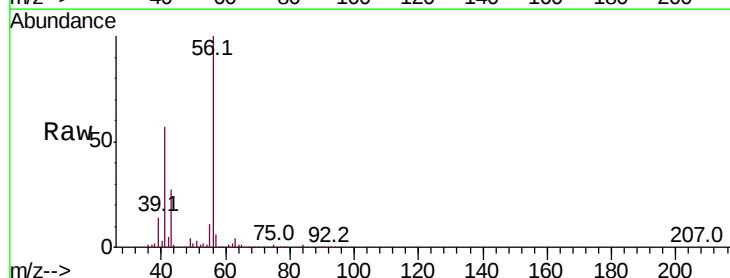
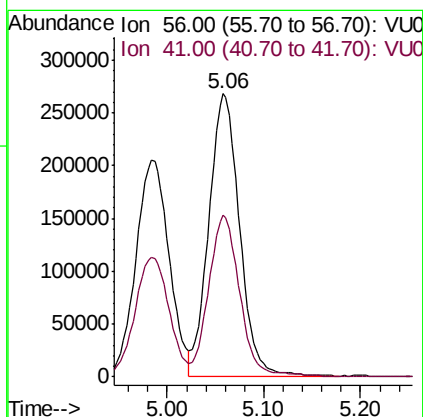
RT: 5.06 min Scan# 1234

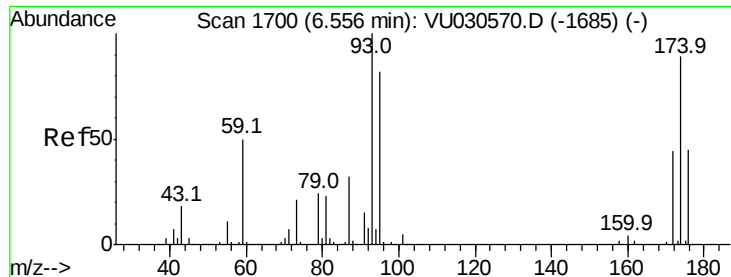
Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
56	100		
41	57.6	28.5	85.6





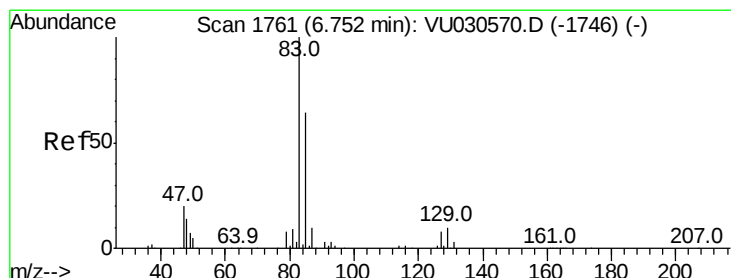
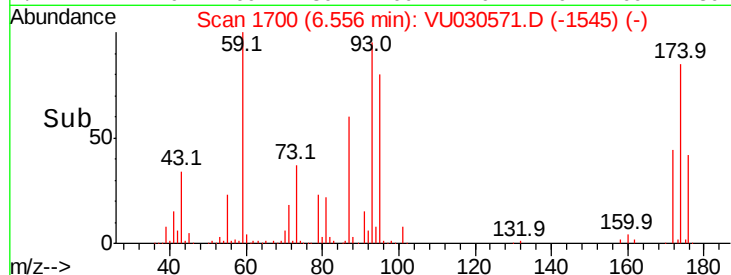
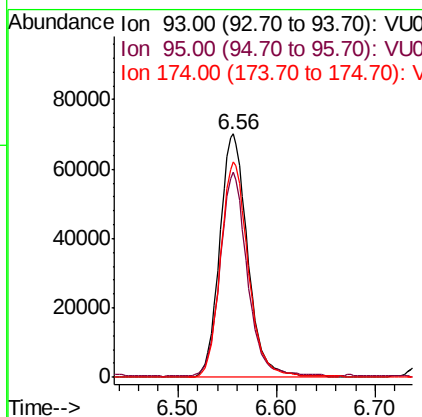
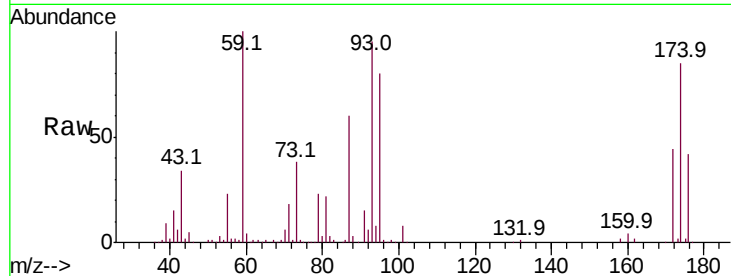
#43
Dibromomethane
Concen: 15.811 ug/l
RT: 6.56 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Resp	Lower	Upper
93	100	139246		
95	80.9	63.9	95.9	
174	87.8	71.0	106.4	

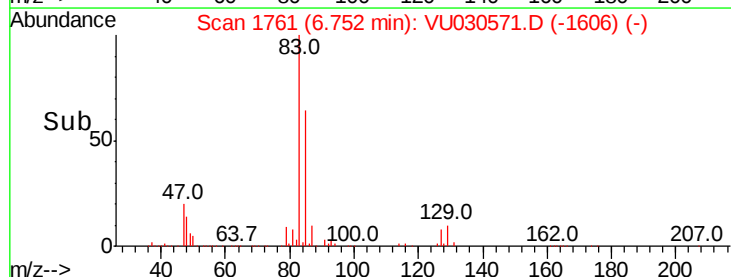
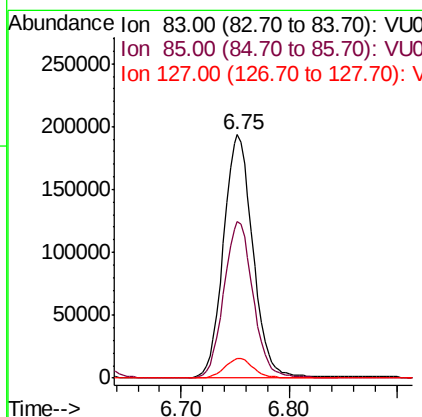
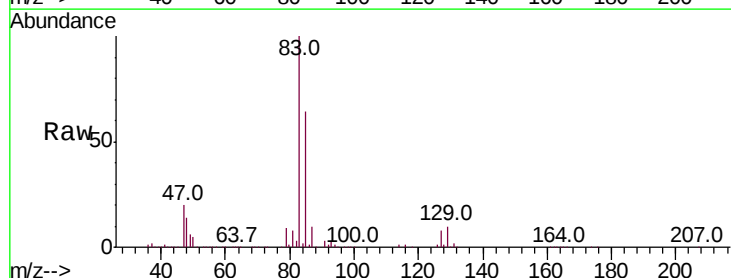
Manual Integrations
APPROVED

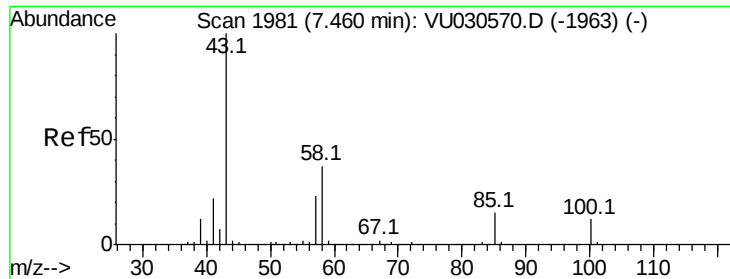
MMDadoda
4/5/2019 2:38:32 PM



#44
Bromodichloromethane
Concen: 17.125 ug/l
RT: 6.75 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	364195		
85	64.3	51.1	76.7	
127	8.3	6.1	9.1	





#45

4-Methyl-2-Pentanone

Concen: 108.509 ug/l

RT: 7.46 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 1006937

Ion Ratio Lower Upper

43 100

58 37.7 18.6 55.8

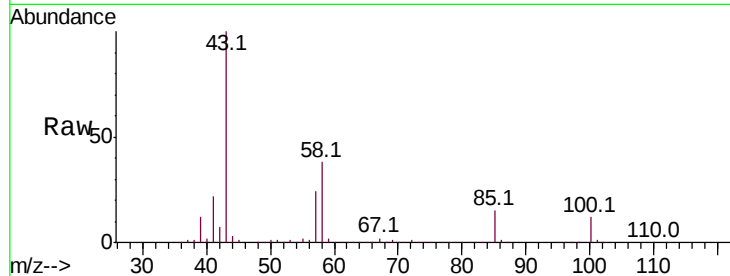
85 14.8 11.8 17.6

Manual Integrations

APPROVED

MMDadoda

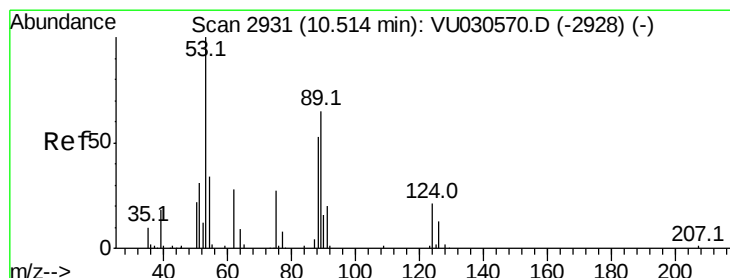
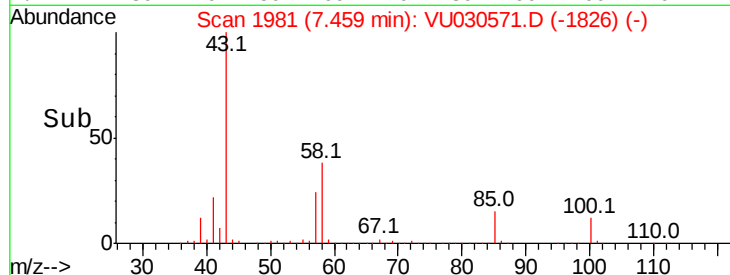
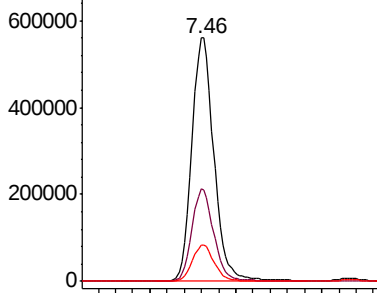
4/5/2019 2:38:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VU030571.D (-1963) (-)

Ion 58.00 (57.70 to 58.70): VU030571.D (-1963) (-)

Ion 85.00 (84.70 to 85.70): VU030571.D (-1963) (-)



#46

t-1,4-Dichloro-2-butene

Concen: 40.133 ug/l m

RT: 10.51 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion: 75 Resp: 136516

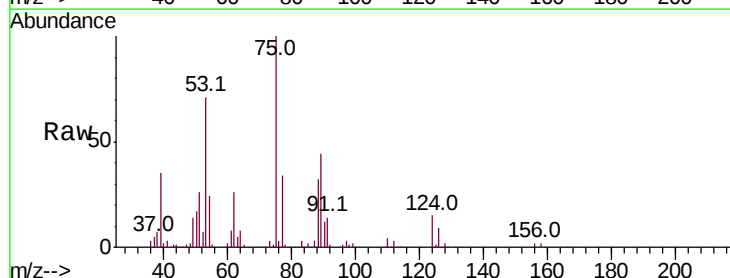
Ion Ratio Lower Upper

75 100

53 80.9 63.4 95.2

89 50.9 39.1 58.7

88 37.5 30.4 45.6

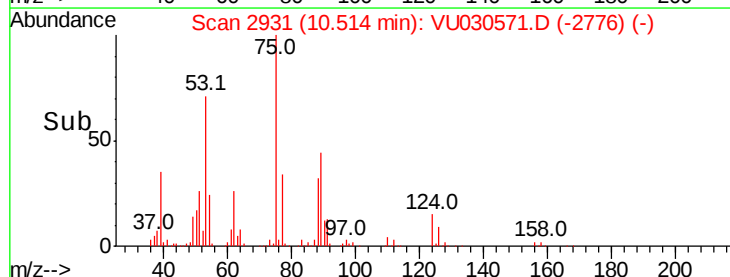
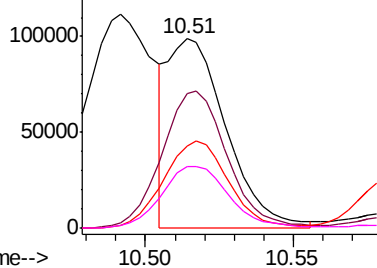


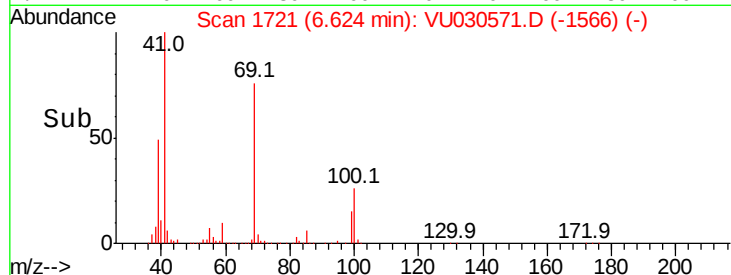
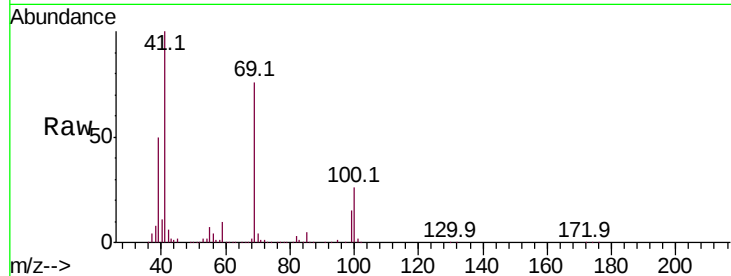
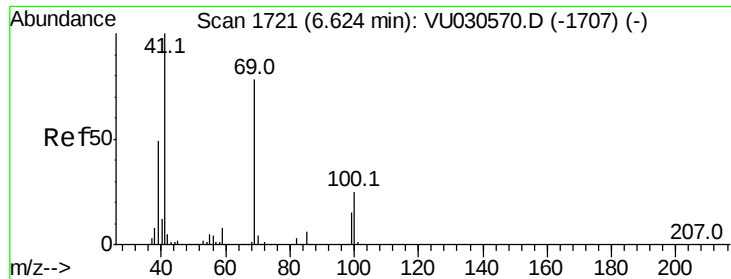
Abundance Ion 74.90 (74.60 to 75.60): VU030571.D (-2928) (-)

Ion 53.00 (52.70 to 53.70): VU030571.D (-2928) (-)

Ion 88.80 (88.50 to 89.50): VU030571.D (-2928) (-)

Ion 87.80 (87.50 to 88.50): VU030571.D (-2928) (-)





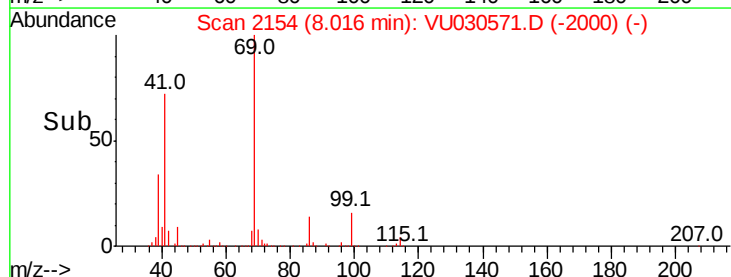
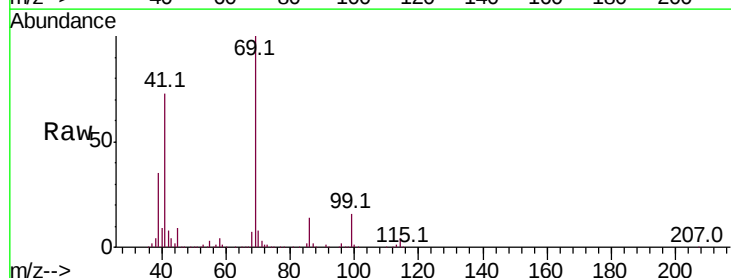
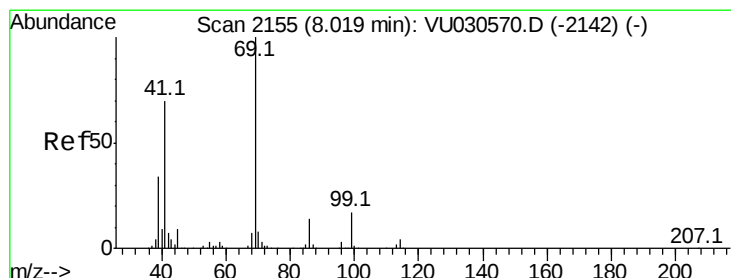
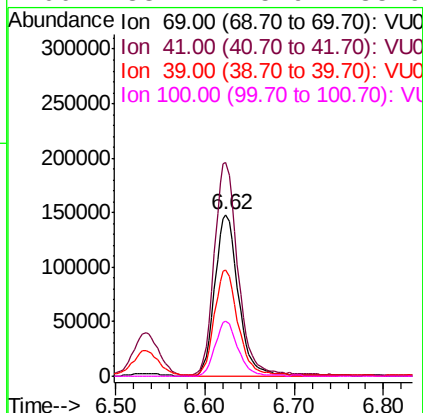
#47
Methyl methacrylate
Concen: 36.589 ug/l
RT: 6.62 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	130.6	0.0	258.0	
39	65.0	51.0	76.4	
100	33.1	25.9	38.9	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

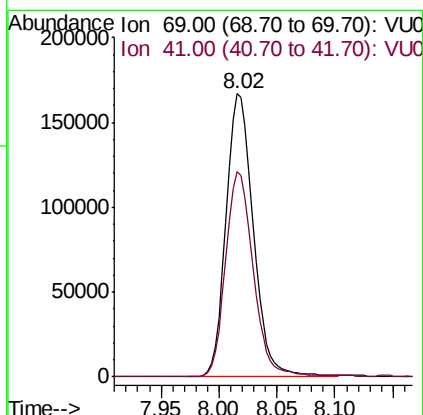
Manual Integrations
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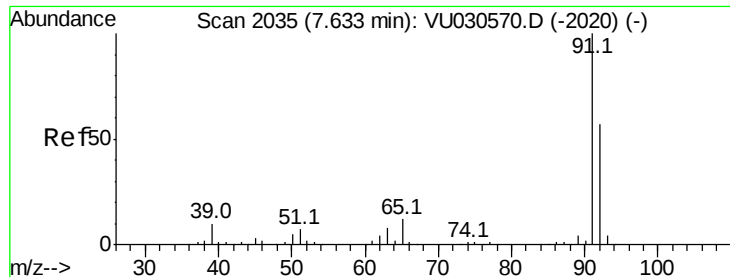
MMDadoda
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#48
Ethyl methacrylate
Concen: 19.435 ug/l
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	73.2	36.1	108.5	





#49

Toluene

Concen: 16.169 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 92 Resp: 645533

Ion Ratio Lower Upper

92 100

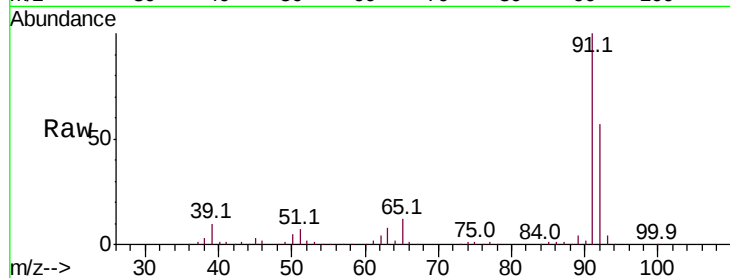
91 177.1 140.2 210.4

Manual Integrations

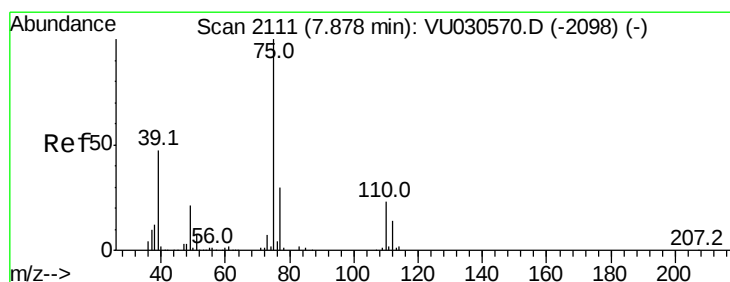
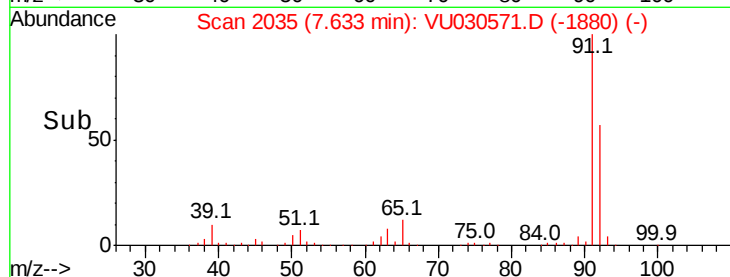
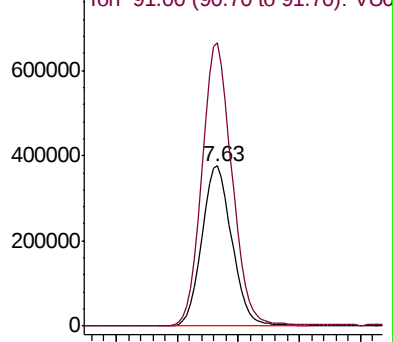
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Abundance Ion 92.00 (91.70 to 92.70): VU030571.D (-1880) (-)



#50

t-1,3-Dichloropropene

Concen: 17.718 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU030571.D

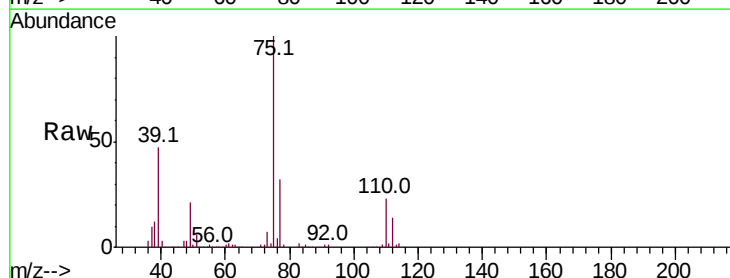
Acq: 30 Mar 2019 12:09

Tgt Ion: 75 Resp: 335705

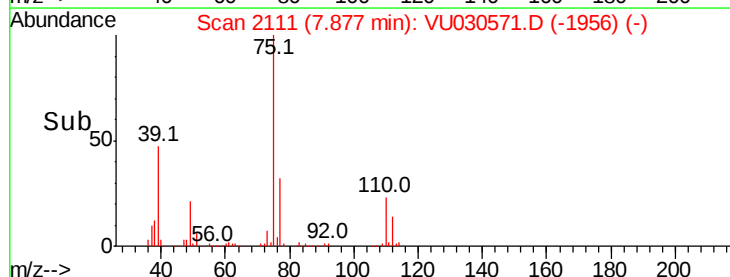
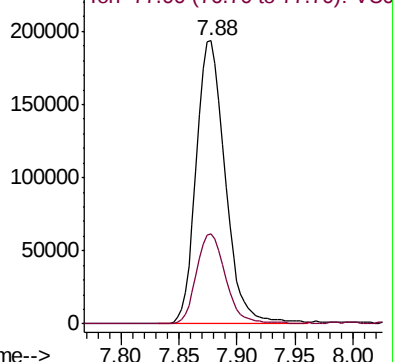
Ion Ratio Lower Upper

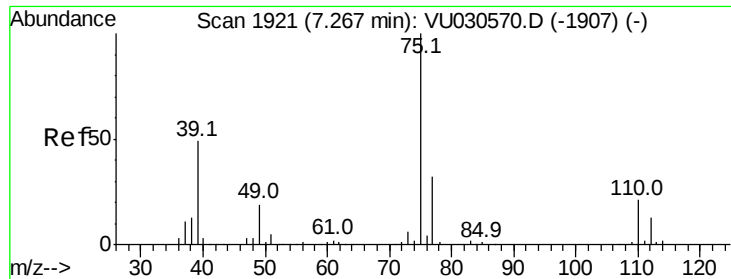
75 100

77 31.9 24.4 36.6



Abundance Ion 75.00 (74.70 to 75.70): VU030571.D (-1956) (-)





#51

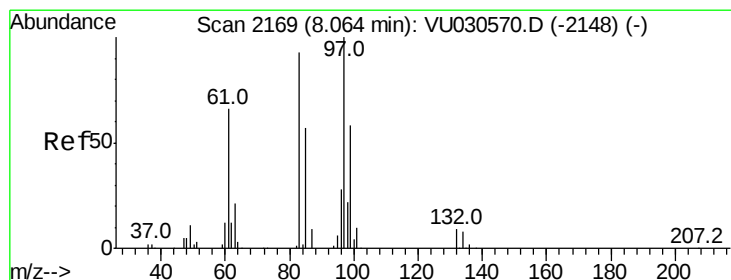
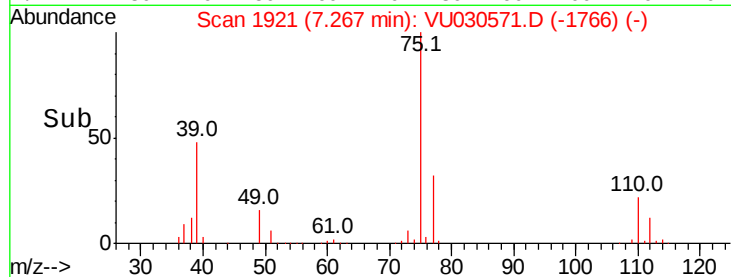
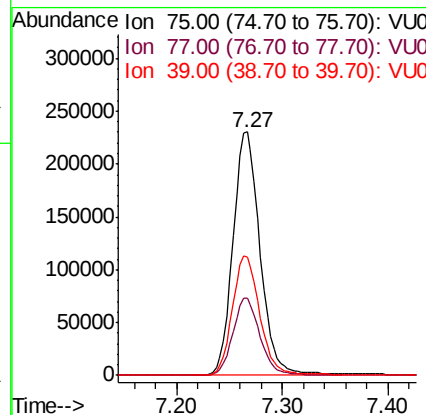
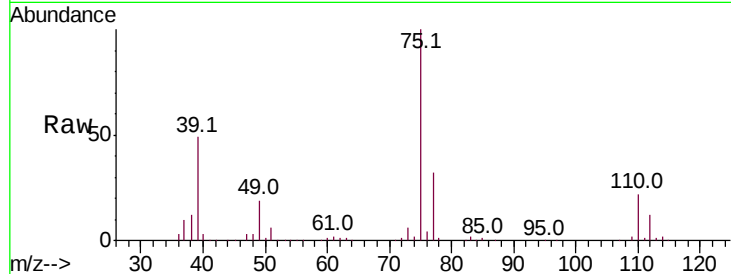
cis-1,3-Dichloropropene
 Concen: 17.294 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.8	38.6
39	48.7	39.3	58.9

Manual Integrations
 APPROVED

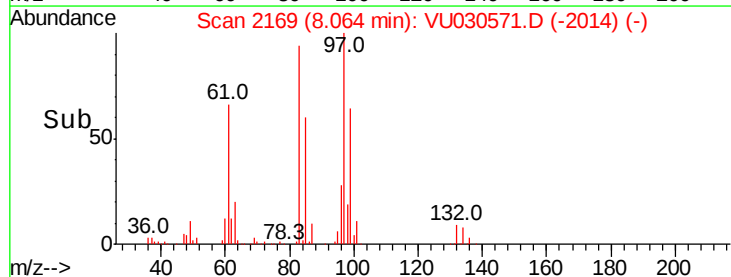
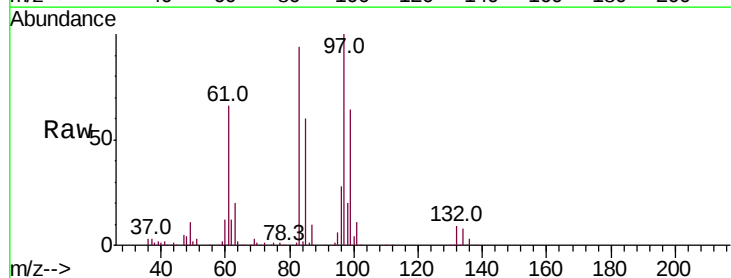
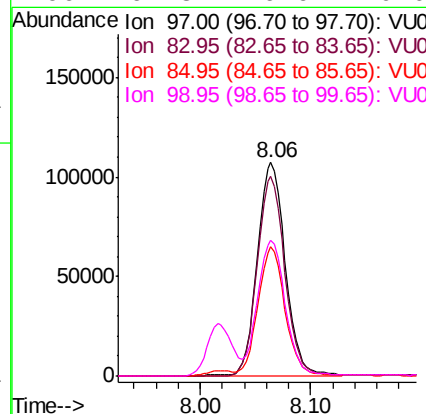
MMDadoda
 4/5/2019 2:38:32 PM

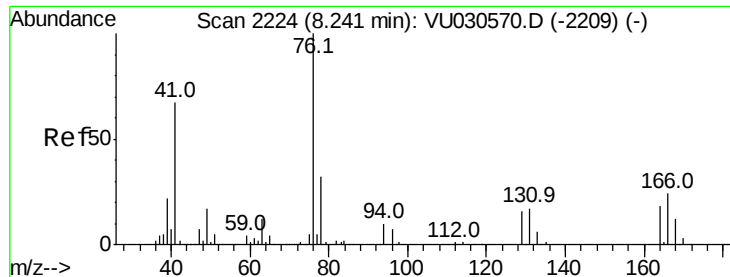


#52

1,1,2-Trichloroethane
 Concen: 15.337 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	93.5	74.3	111.5
85	60.1	45.4	68.0
99	62.8	46.6	70.0





#53

1,3-Dichloropropane

Concen: 16.519 ug/l

RT: 8.24 min Scan# 2224

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 346044

Ion Ratio Lower Upper

76 100

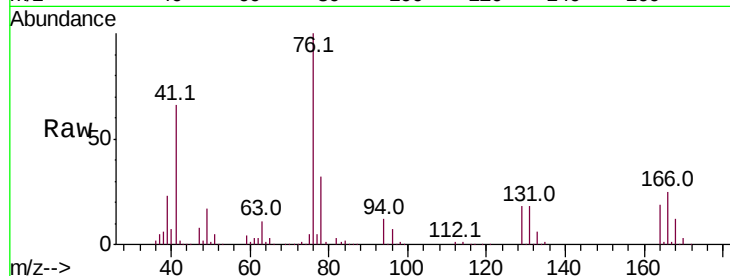
78 31.9 25.3 37.9

Manual Integrations

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Abundance Ion 76.00 (75.70 to 76.70): VU030571.D (-2069) (-)

Ion 78.00 (77.70 to 78.70): VU030571.D (-2069) (-)

8.24

200000

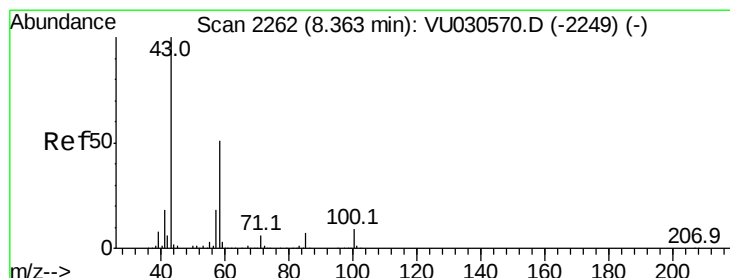
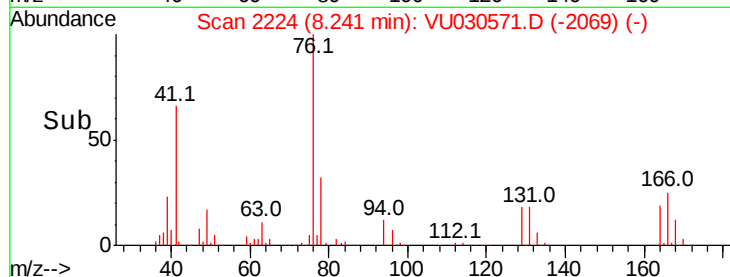
150000

100000

50000

0

Time-->



#54

2-Hexanone

Concen: 105.118 ug/l

RT: 8.36 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

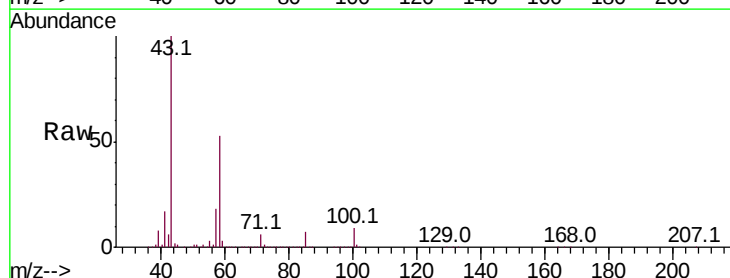
Tgt Ion: 43 Resp: 695649

Ion Ratio Lower Upper

43 100

58 52.5 32.5 72.5

57 18.0 0.0 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU030571.D (-2107) (-)

Ion 58.00 (57.70 to 58.70): VU030571.D (-2107) (-)

Ion 57.00 (56.70 to 57.70): VU030571.D (-2107) (-)

8.36

500000

400000

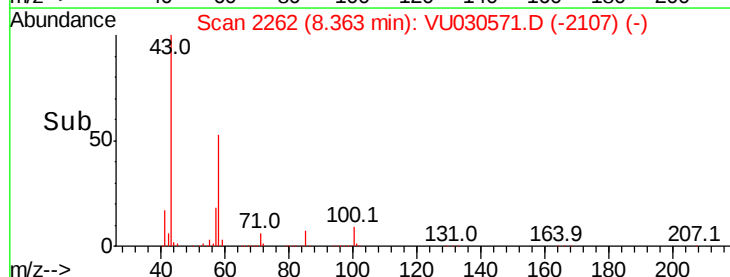
300000

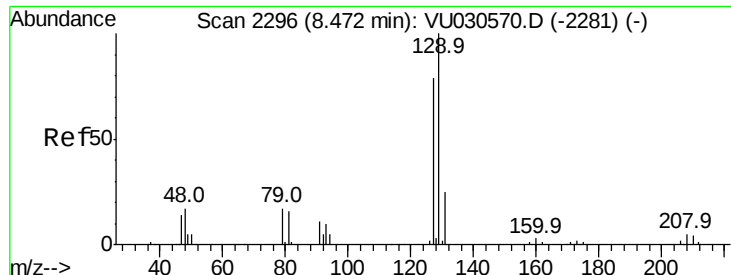
200000

100000

0

Time-->





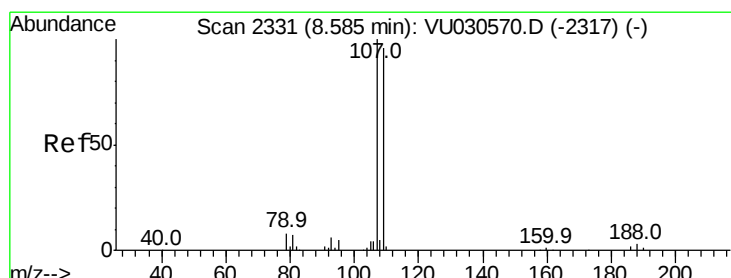
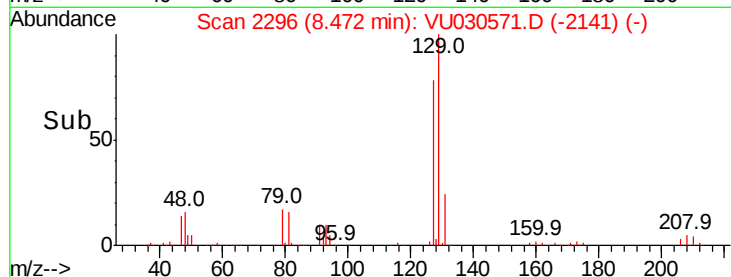
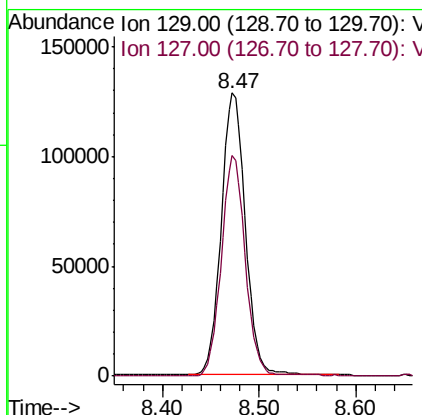
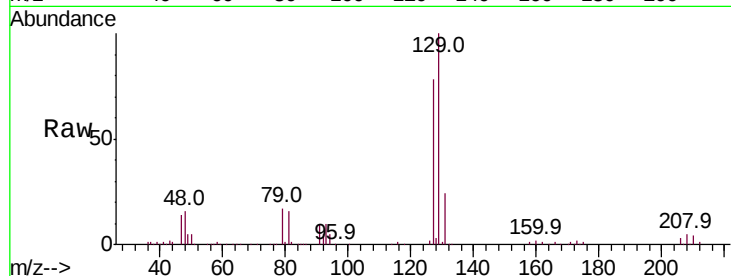
#55
Dibromochloromethane
Concen: 15.108 ug/l
RT: 8.47 min Scan# 2296
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.8	62.2	93.4

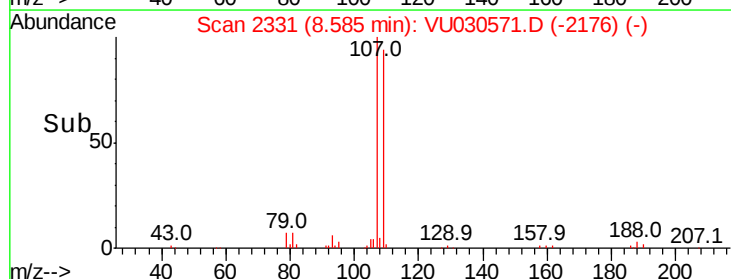
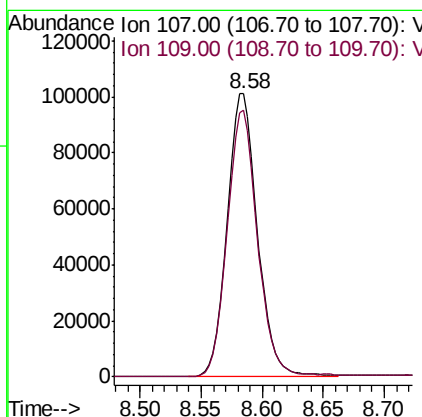
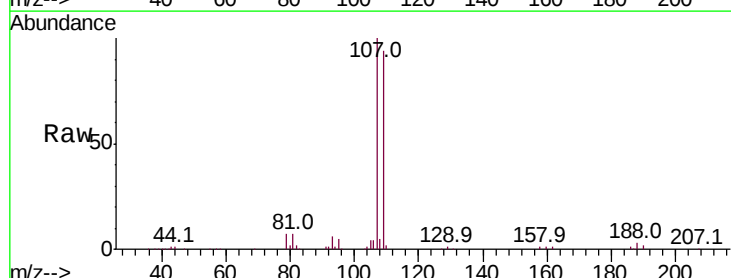
Manual Integrations
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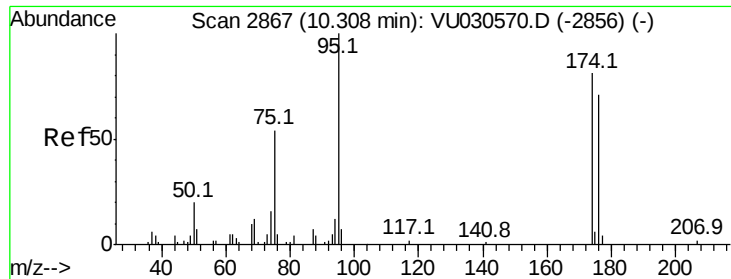
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#56
1,2-Dibromoethane
Concen: 14.997 ug/l
RT: 8.58 min Scan# 2331
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	0.0	190.0





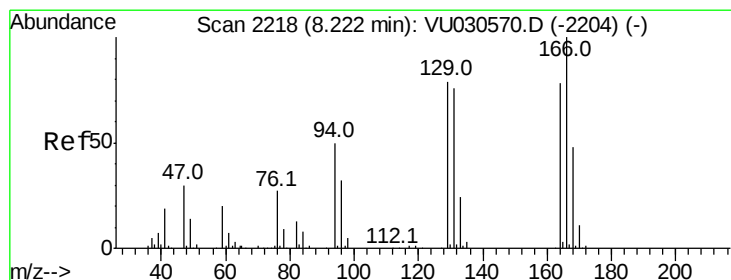
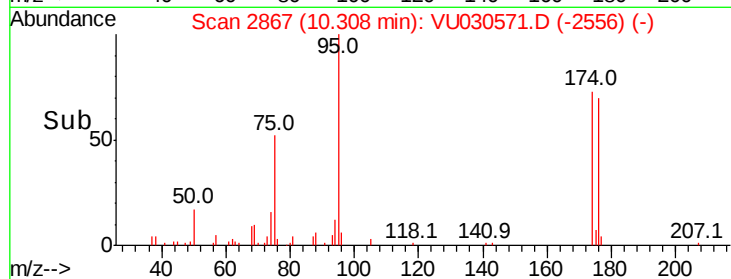
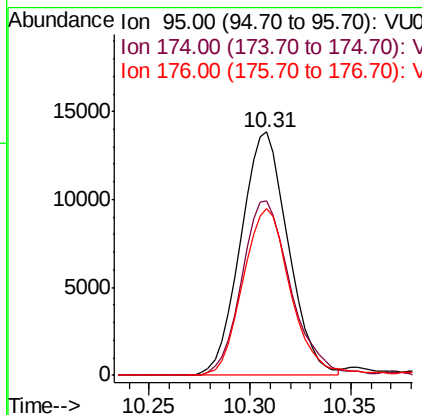
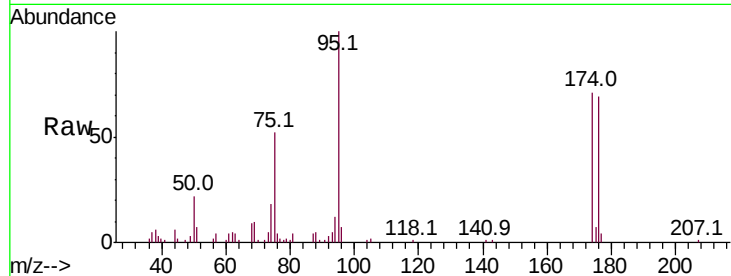
#57
4-Bromofluorobenzene
Concen: 14.997 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.9	60.5	90.7
176	69.4	57.9	86.9

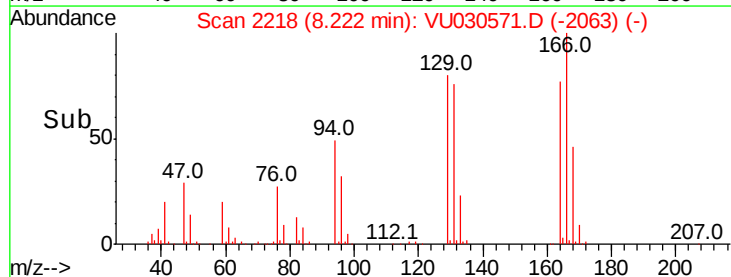
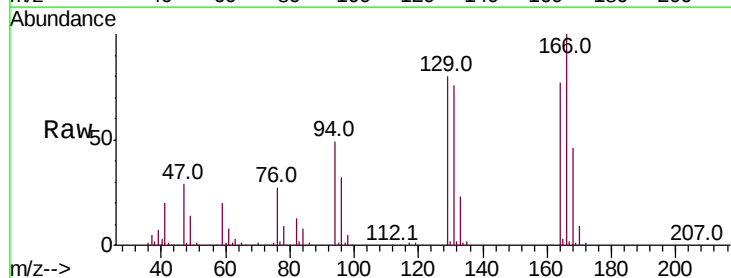
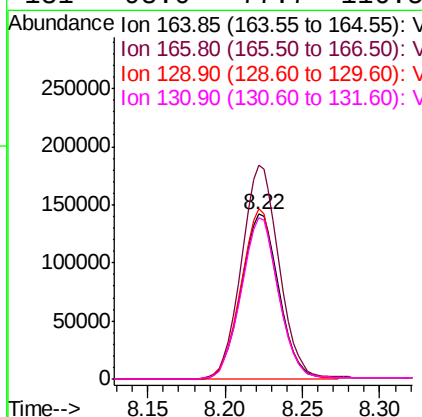
Manual Integrations
APPROVED

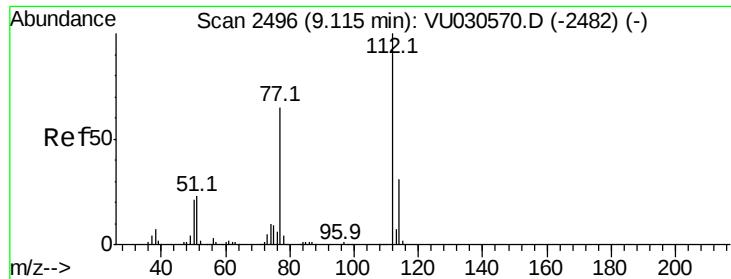
MMDadoda
4/5/2019 2:38:32 PM



#58
Tetrachloroethene
Concen: 14.290 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	102.4	153.6
129	103.6	81.4	122.0
131	98.0	77.7	116.5





#59

Chlorobenzene

Concen: 15.009 ug/l

RT: 9.12 min Scan# 2496

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 678959

Ion Ratio Lower Upper

112 100

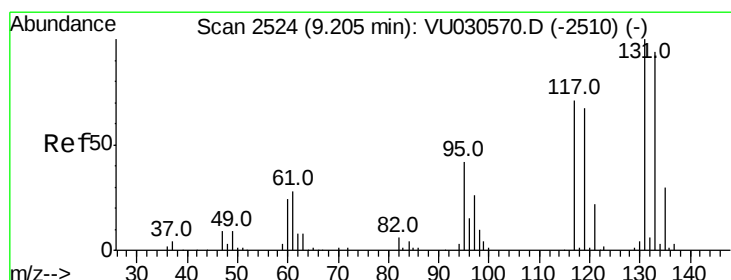
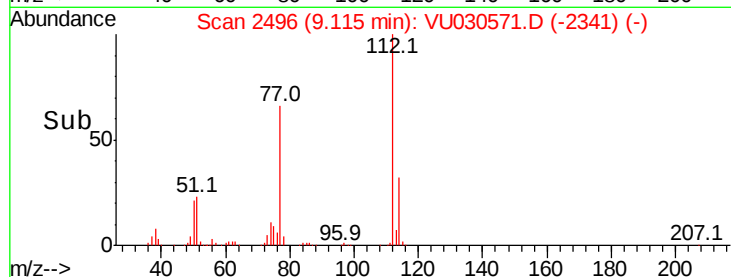
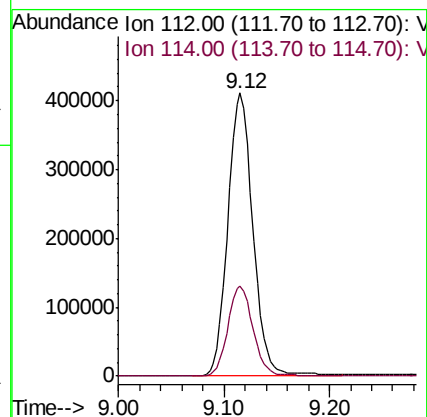
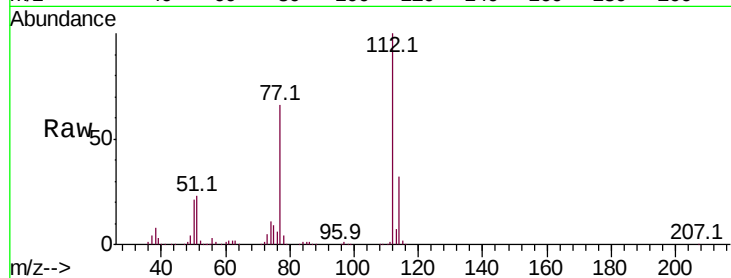
114 31.8 24.9 37.3

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 15.020 ug/l

RT: 9.21 min Scan# 2524

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

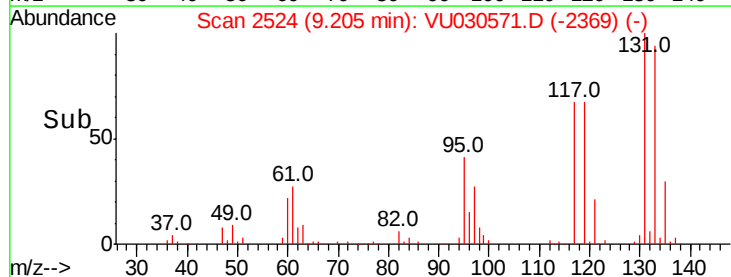
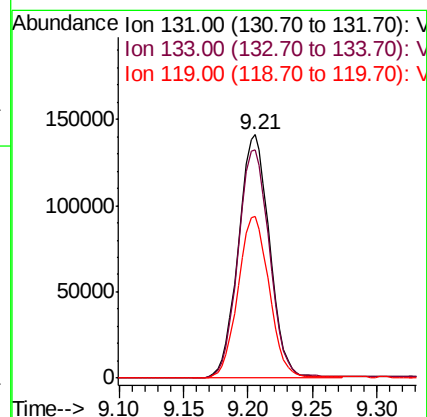
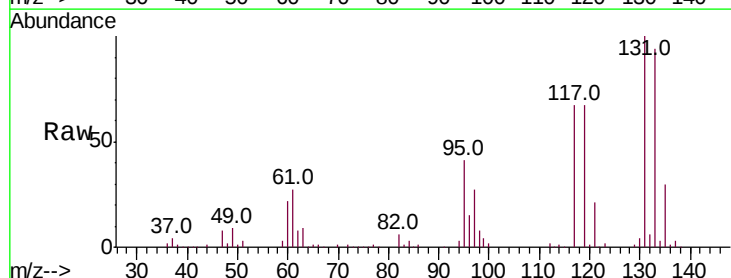
Tgt Ion:131 Resp: 238385

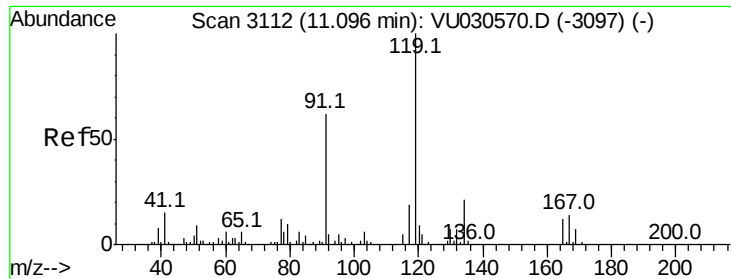
Ion Ratio Lower Upper

131 100

133 94.6 77.5 116.3

119 66.2 53.2 79.8





#61

Pentachloroethane

Concen: 14.780 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 182617

Ion Ratio Lower Upper

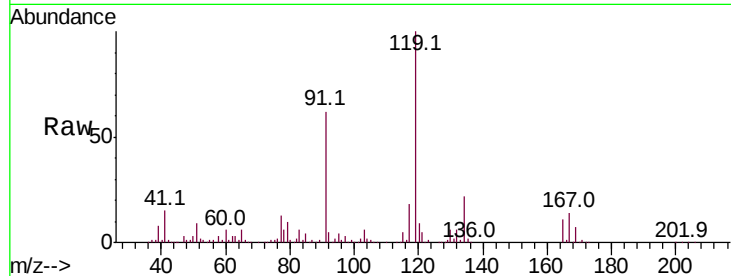
117 100

167 79.9 62.6 93.8

Manual Integrations
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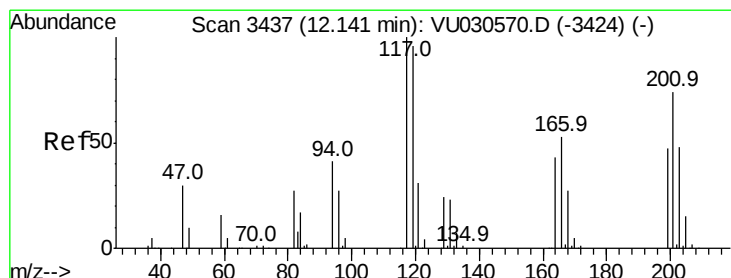
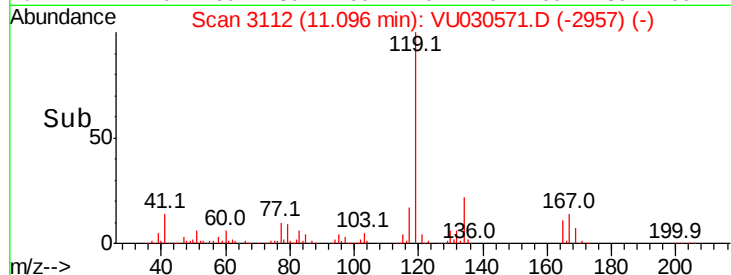
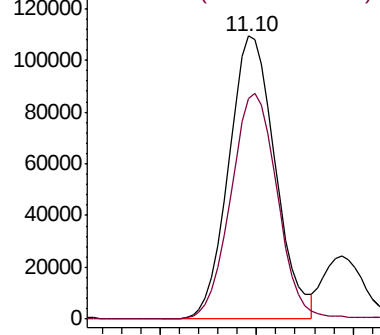
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 13.690 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU030571.D

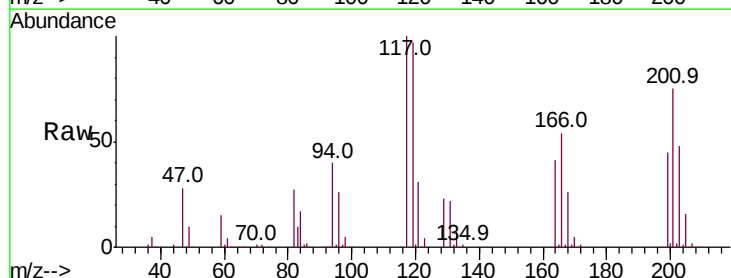
Acq: 30 Mar 2019 12:09

Tgt Ion:117 Resp: 165474

Ion Ratio Lower Upper

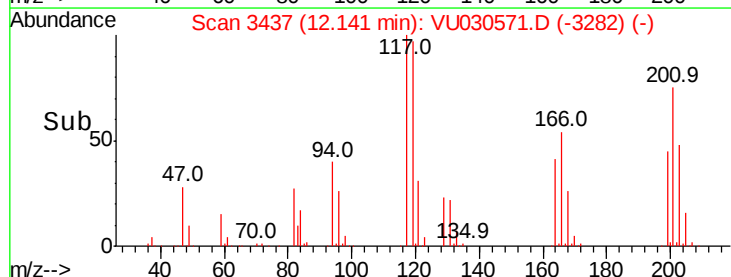
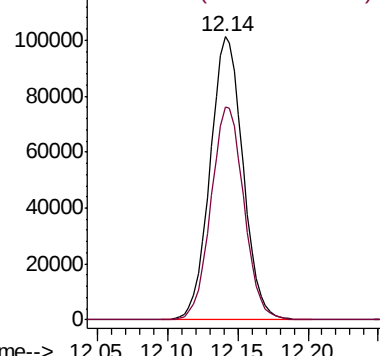
117 100

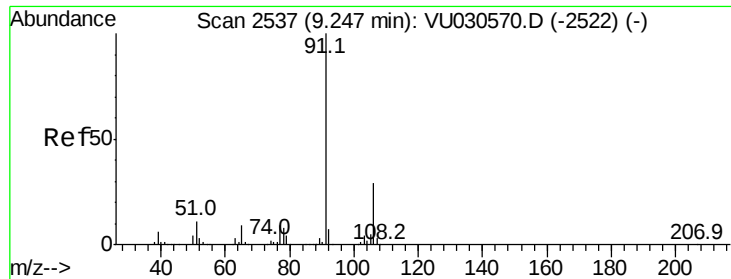
201 75.3 59.1 88.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





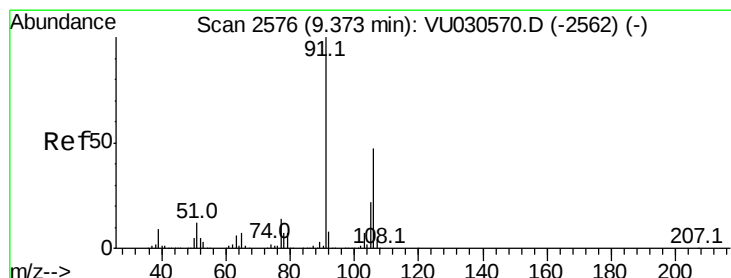
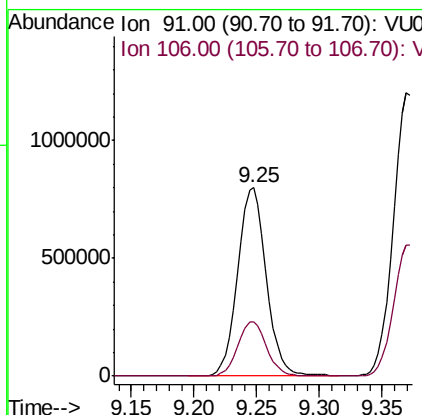
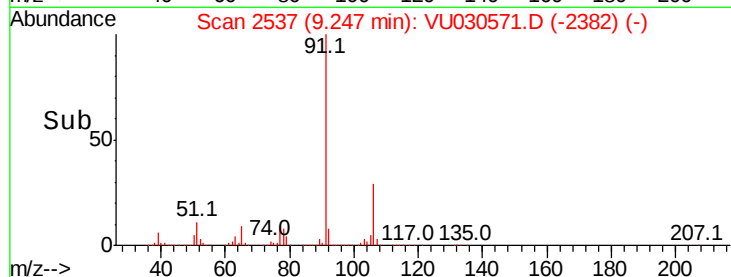
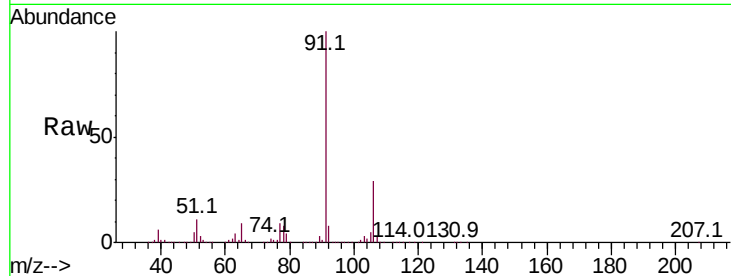
#63
Ethyl Benzene
Concen: 16.843 ug/l
RT: 9.25 min Scan# 2537
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampled :
VSTDIC015

Tot Ion: 91 Resp: 1269689
Ion Ratio Lower Upper
91 100
106 29.0 23.1 34.7

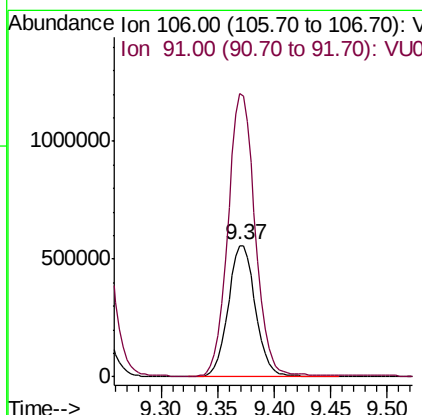
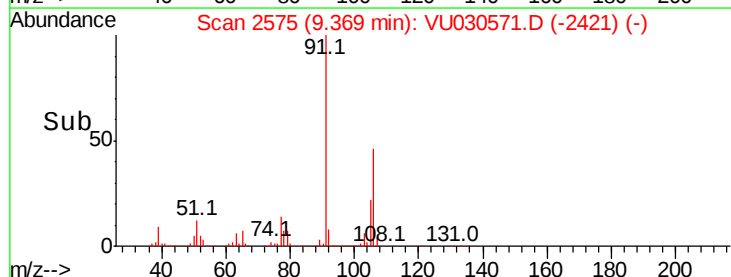
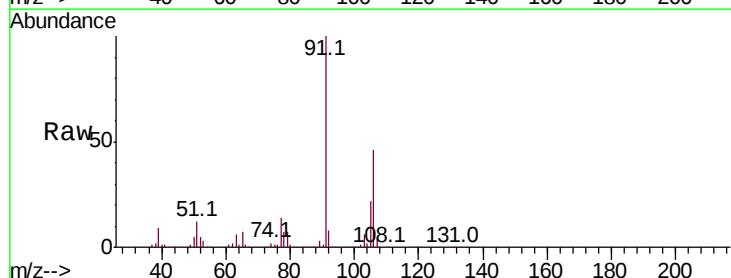
Manual Integrations
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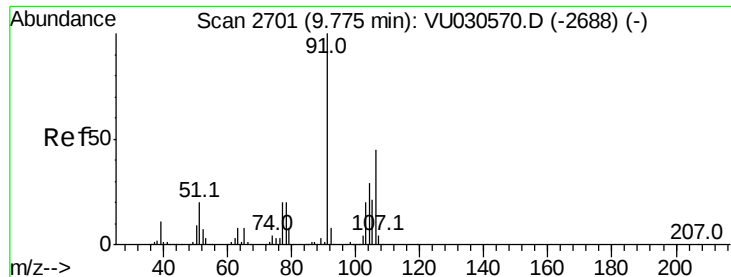
MMDadoda
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#64
m/p-Xylenes
Concen: 32.013 ug/l
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion: 106 Resp: 932494
Ion Ratio Lower Upper
106 100
91 213.8 179.4 269.0





#65

o-Xylene

Concen: 15.530 ug/l

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:106 Resp: 443283

Ion Ratio Lower Upper

106 100

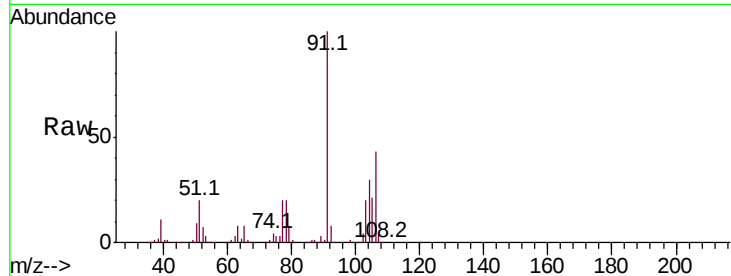
91 230.1 115.5 346.4

Manual Integrations

APPROVED

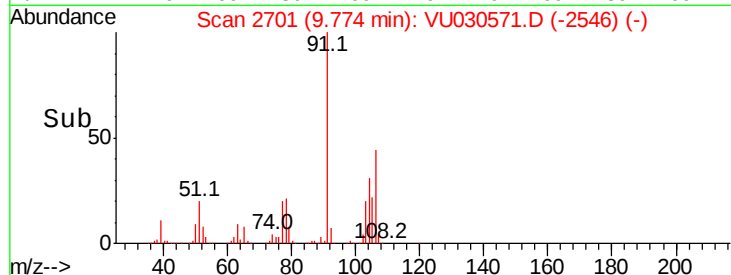
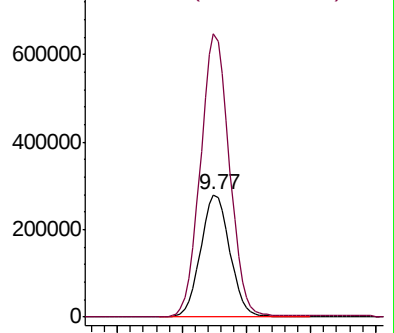
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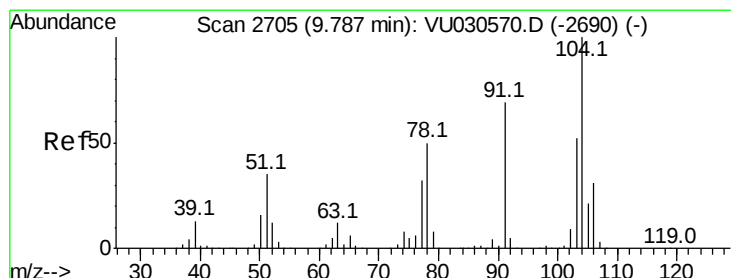


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#66

Styrene

Concen: 16.481 ug/l

RT: 9.79 min Scan# 2705

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

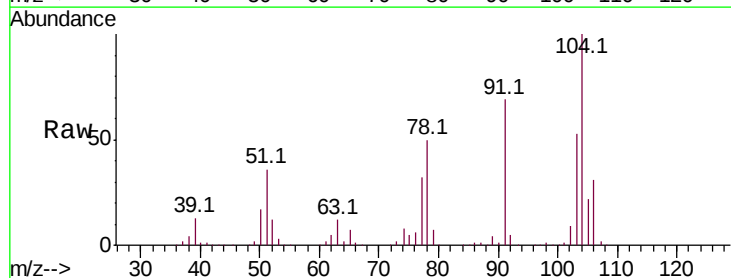
Tgt Ion:104 Resp: 777317

Ion Ratio Lower Upper

104 100

78 54.2 42.3 63.5

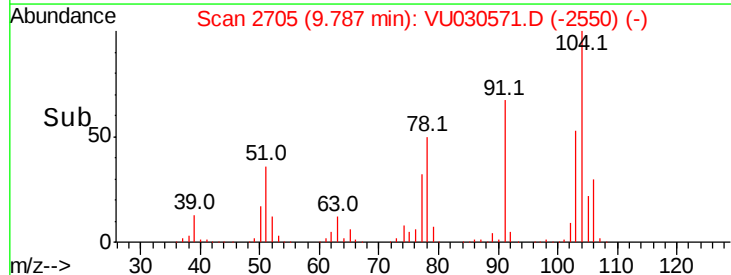
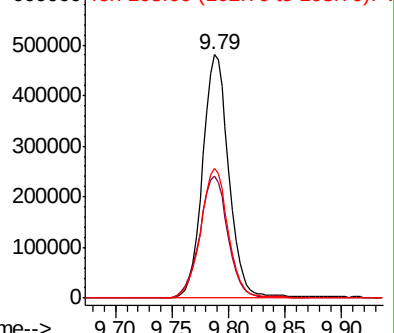
103 56.3 44.7 67.1



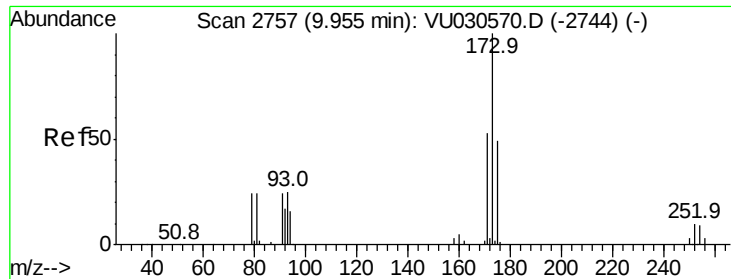
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



Time-->



#67

Bromoform

Concen: 14.991 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

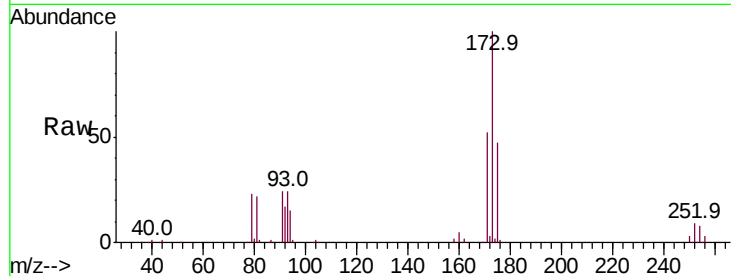
ClientSampleId :

VSTDIC015

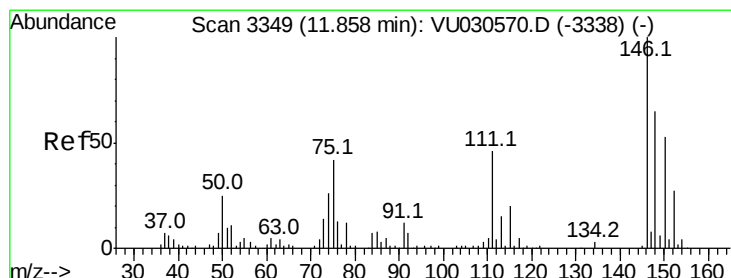
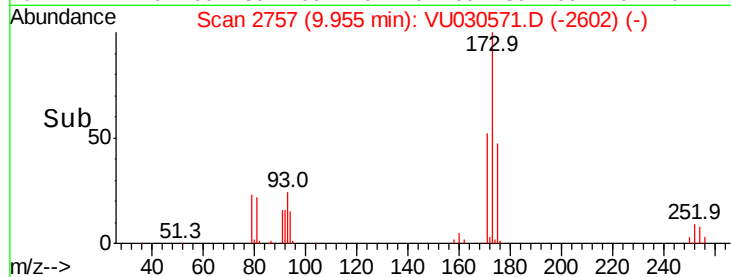
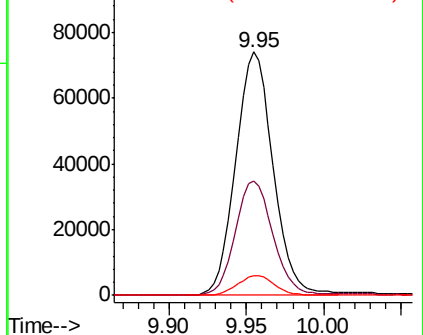
Tot Ion:	173	Resp:	124541
Ion Ratio	Lower	Upper	
173	100		
175	47.2	38.6	57.8
254	8.0	6.9	10.3

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



#68

1,2-Dichlorobenzene-d4

Concen: 14.991 ug/l

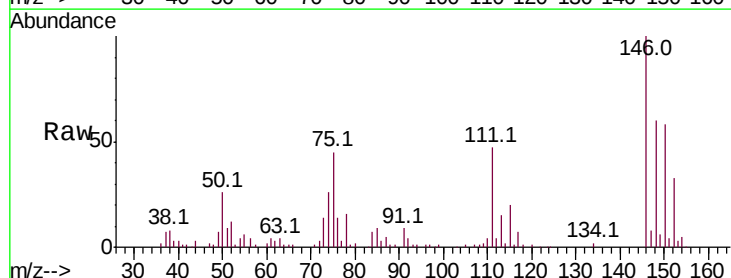
RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

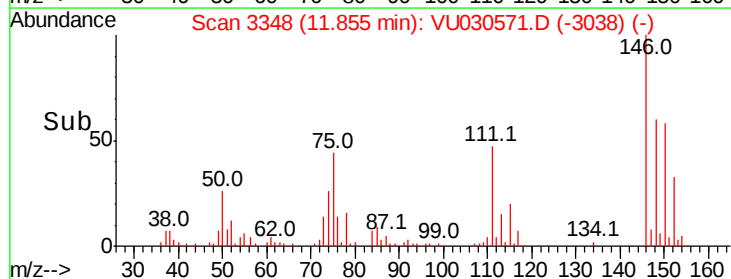
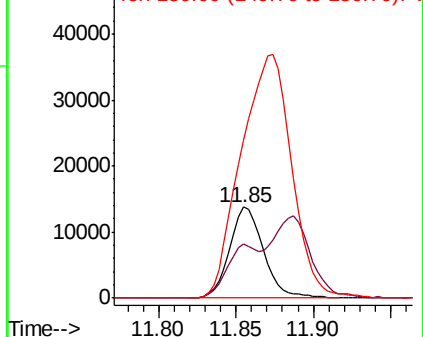
Lab File: VU030571.D

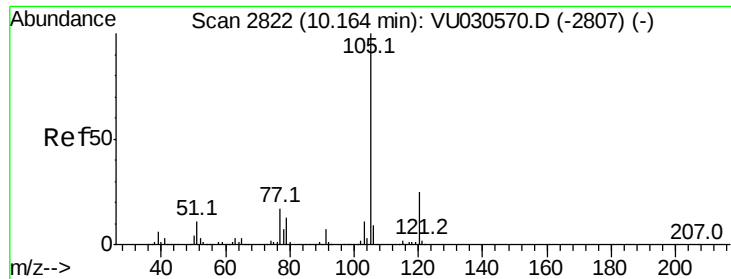
Acq: 30 Mar 2019 12:09

Tgt Ion:	152	Resp:	21014
Ion Ratio	Lower	Upper	
152	100		
115	52.3	0.0	136.2
150	0.0	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: 16.133 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1212097

Ion Ratio Lower Upper

105 100

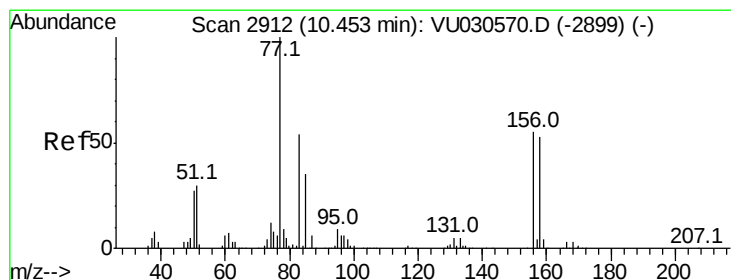
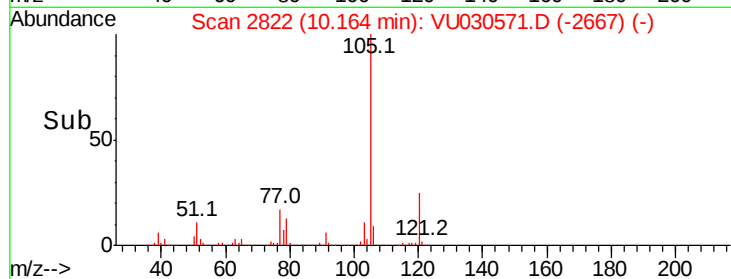
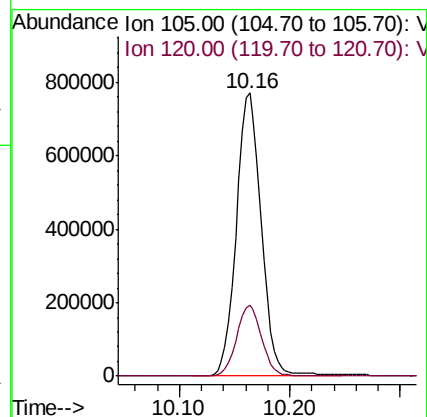
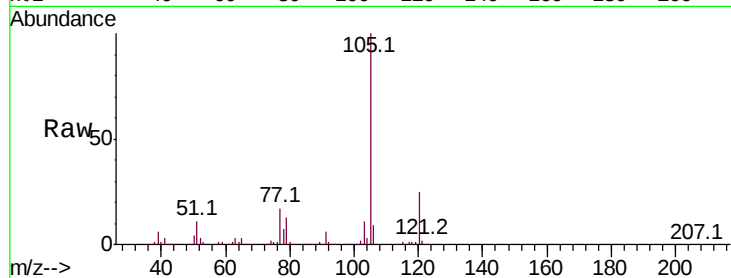
120 25.2 12.6 37.6

Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 16.589 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

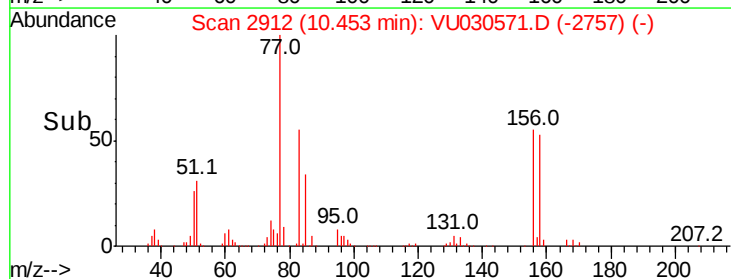
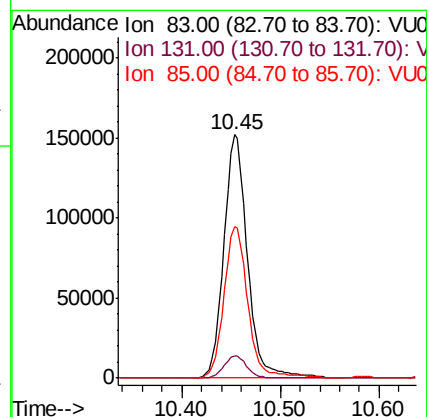
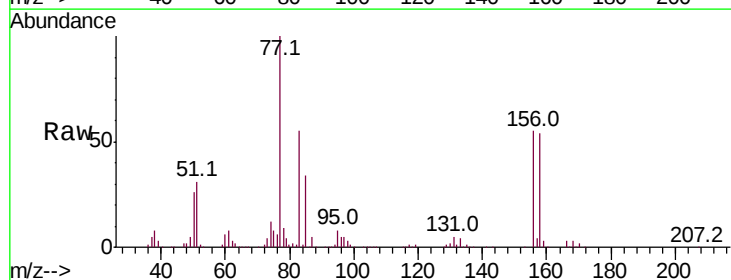
Tgt Ion: 83 Resp: 255953

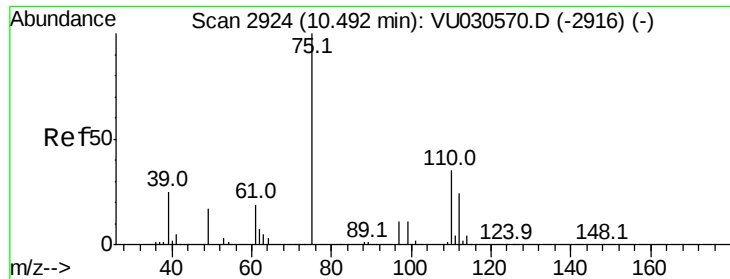
Ion Ratio Lower Upper

83 100

131 8.9 7.0 10.6

85 63.3 51.0 76.4





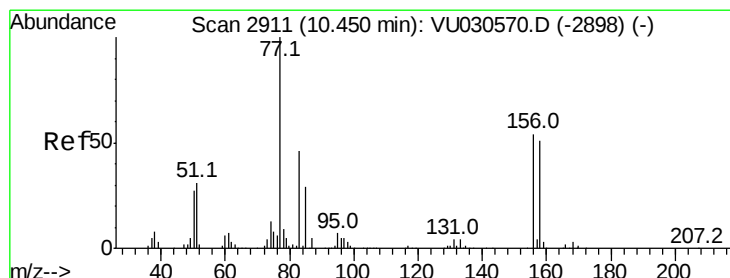
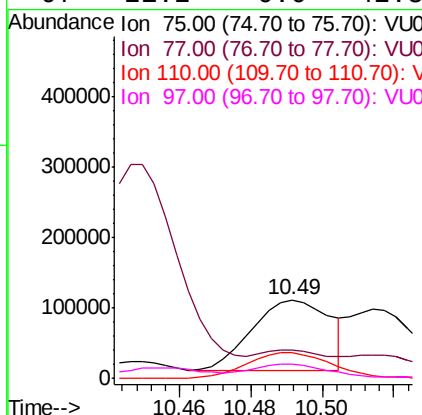
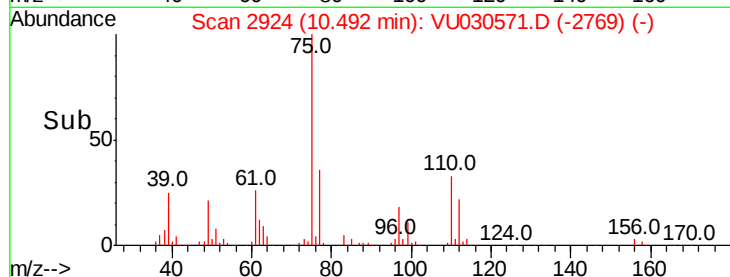
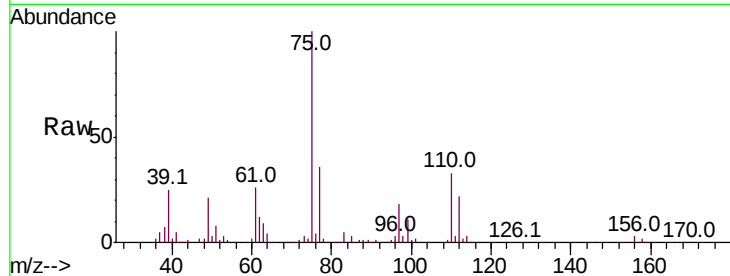
#71
1,2,3-Trichloropropane
Concen: 13.434 ug/l
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	75	100	150355		
77	77	0.0	0.0	0.0	0.0
110	110	40.3	0.0	0.0	83.8
97	97	21.2	0.0	0.0	42.8

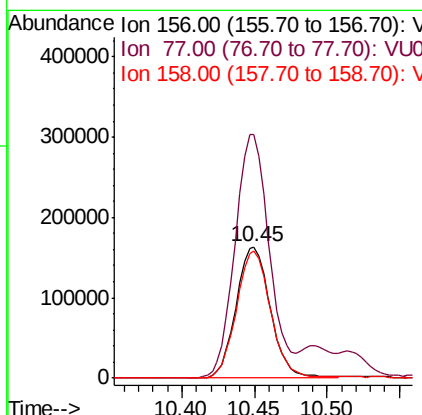
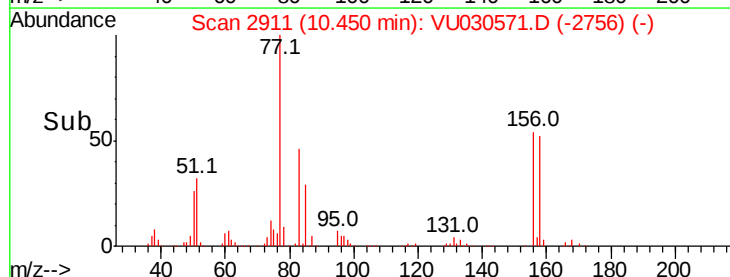
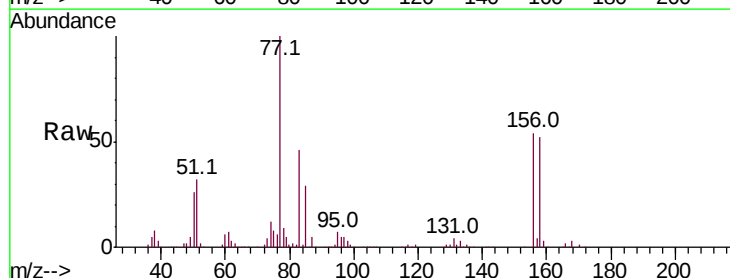
Manual Integrations
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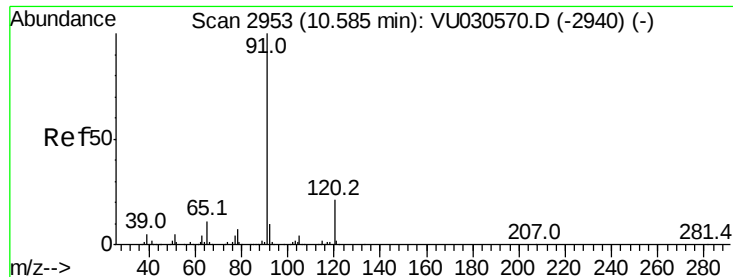
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#72
Bromobenzene
Concen: 13.928 ug/l
RT: 10.45 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
156	156	100	268530		
77	77	186.5	0.0	0.0	363.0
158	158	96.8	0.0	0.0	193.2





#73

n-propylbenzene

Concen: 15.011 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:120 Resp: 315955

Ion Ratio Lower Upper

120 100

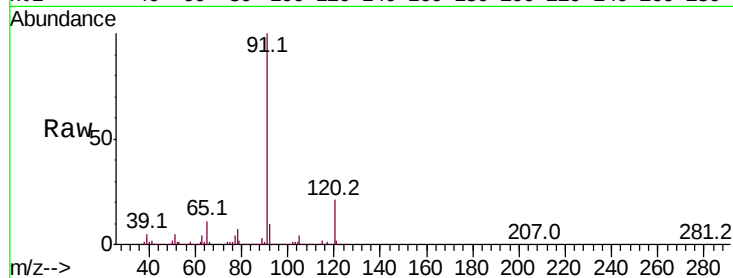
91 480.2 371.6 557.4

Manual Integrations

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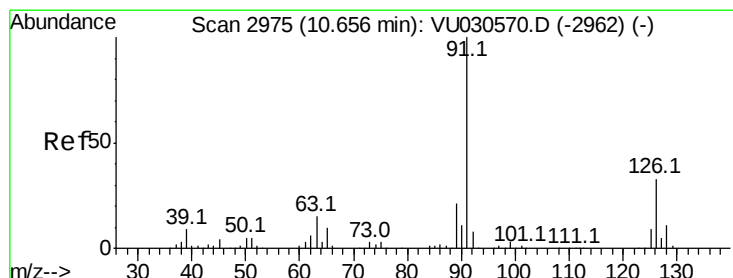
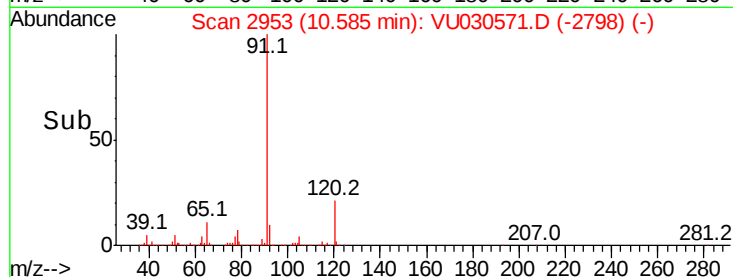
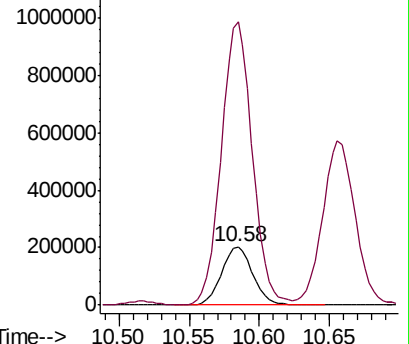
MMDadoda

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 15.104 ug/l

RT: 10.66 min Scan# 2975

Delta R.T. -0.00 min

Lab File: VU030571.D

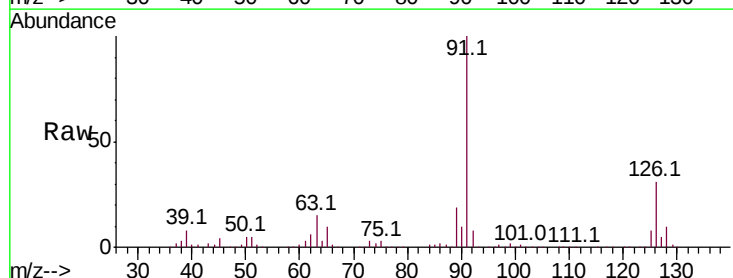
Acq: 30 Mar 2019 12:09

Tgt Ion:126 Resp: 279558

Ion Ratio Lower Upper

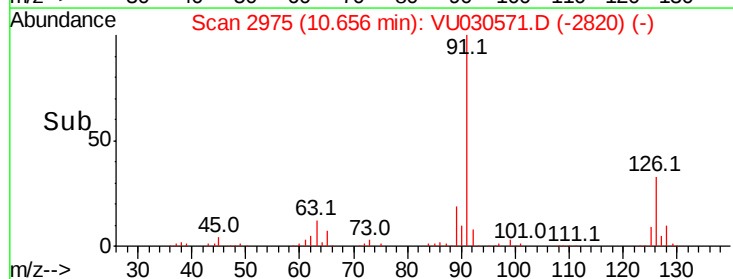
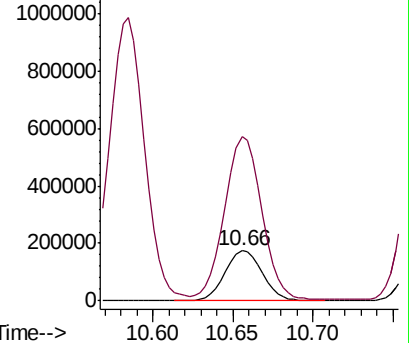
126 100

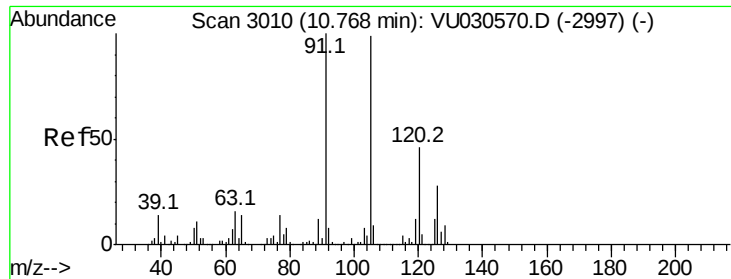
91 319.9 0.0 656.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 16.228 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC015

Tot Ion:105 Resp: 1034654

Ion Ratio Lower Upper

105 100

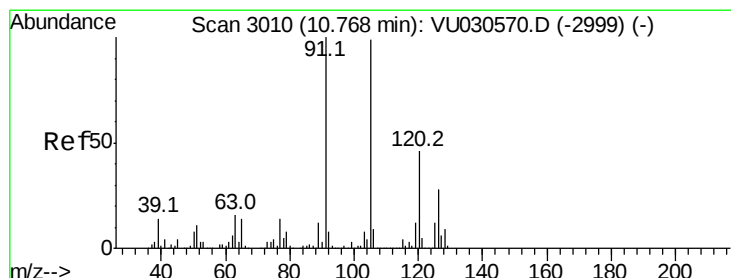
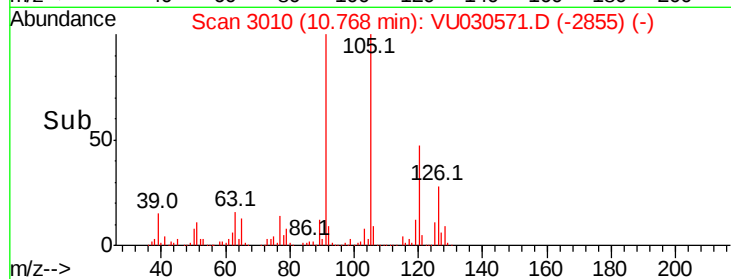
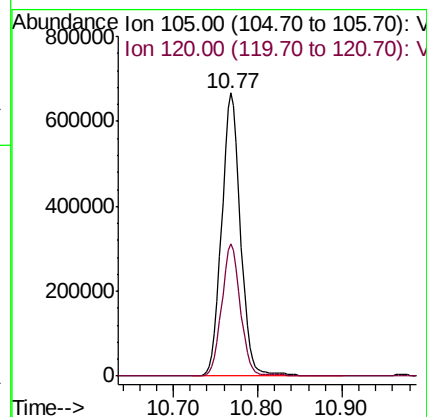
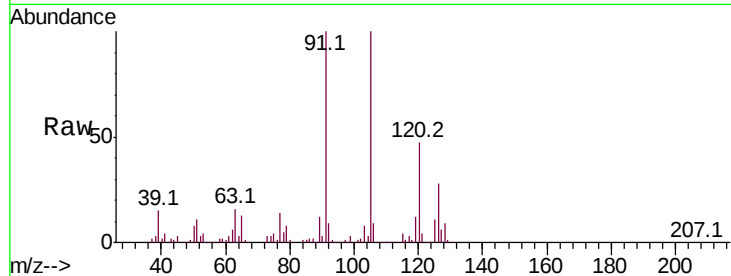
120 46.5 37.6 56.4

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#76

4-Chlorotoluene

Concen: 15.670 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU030571.D

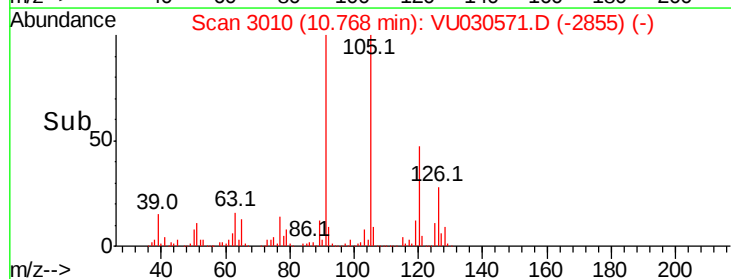
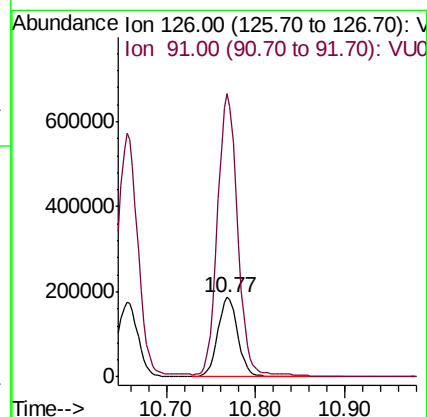
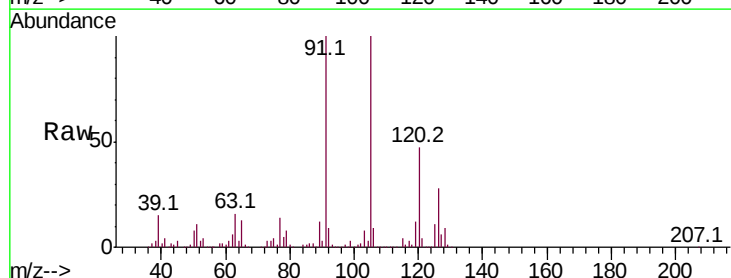
Acq: 30 Mar 2019 12:09

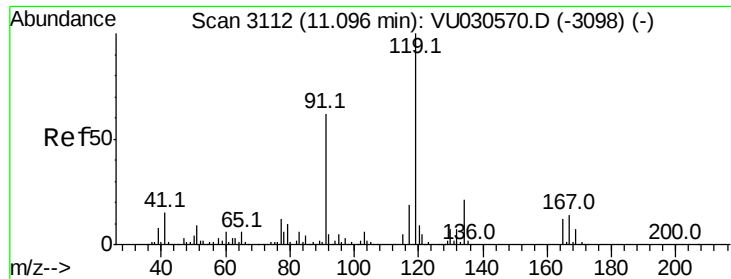
Tgt Ion:126 Resp: 295039

Ion Ratio Lower Upper

126 100

91 356.0 0.0 721.6





#77

tert-Butylbenzene

Concen: 15.490 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

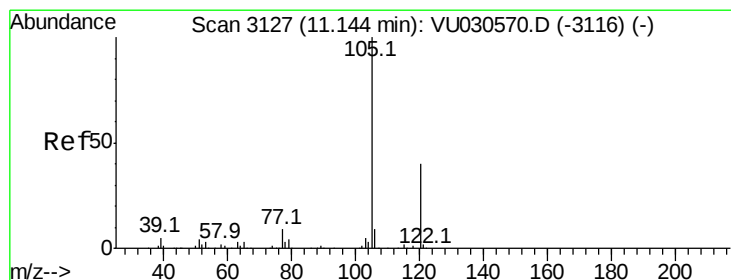
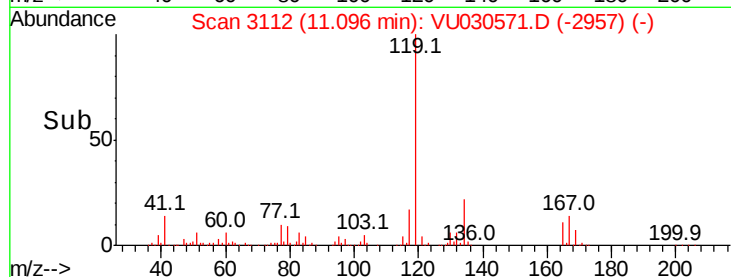
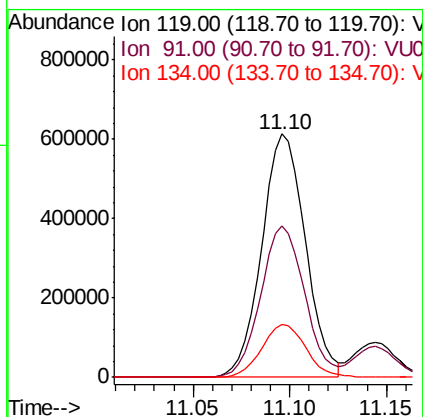
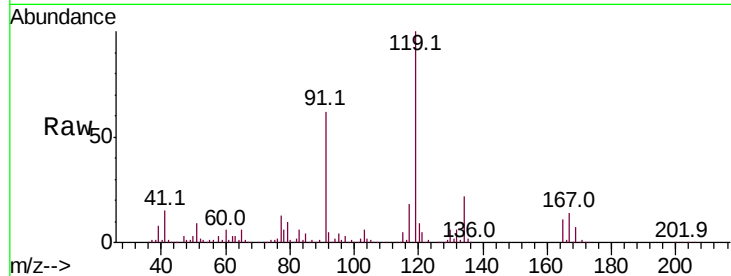
ClientSampleId :

VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	30.9	92.8
134	22.3	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 16.228 ug/l

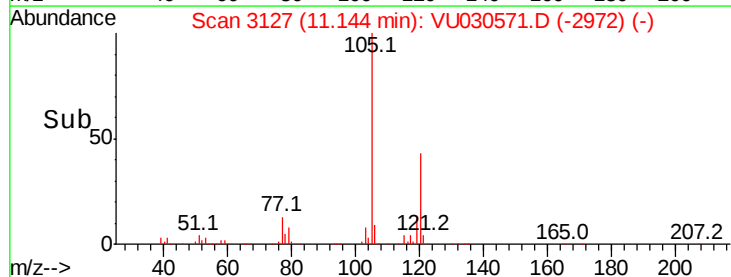
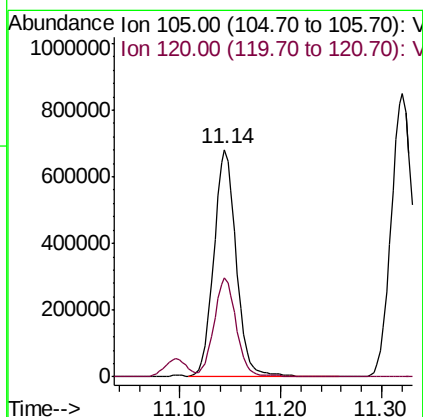
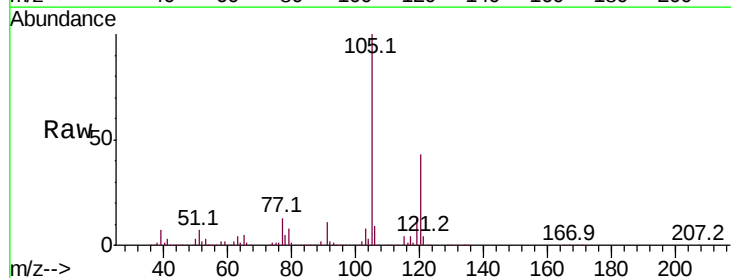
RT: 11.14 min Scan# 3127

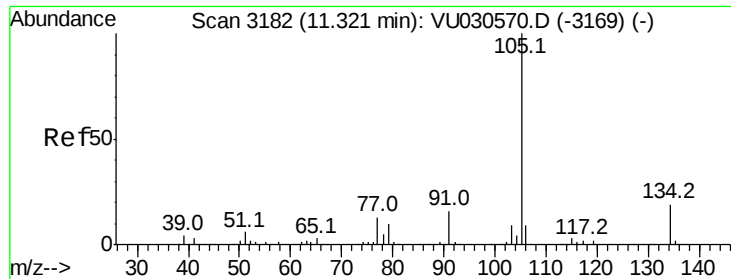
Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





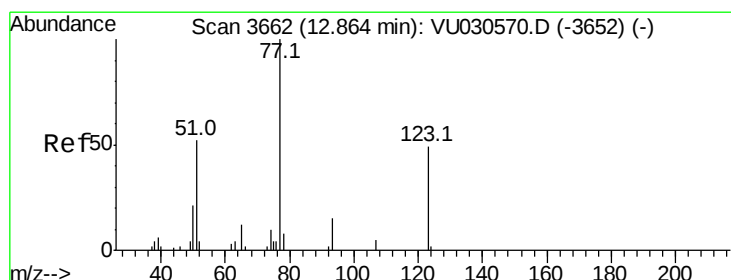
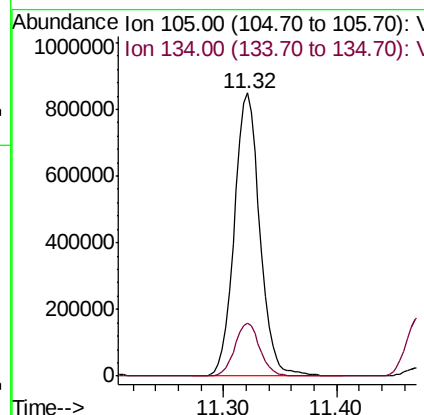
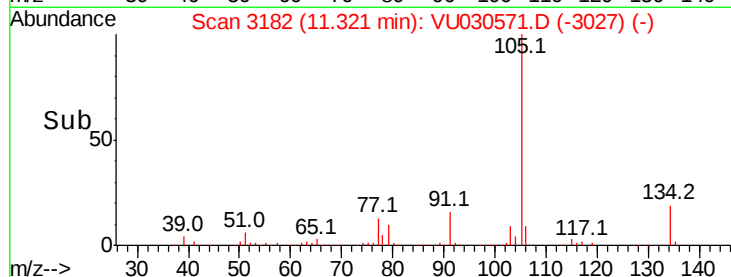
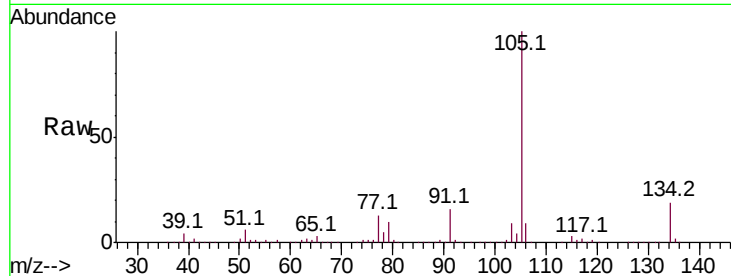
#79
 sec-Butylbenzene
 Concen: 15.972 ug/l
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 1329870
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.7 22.1

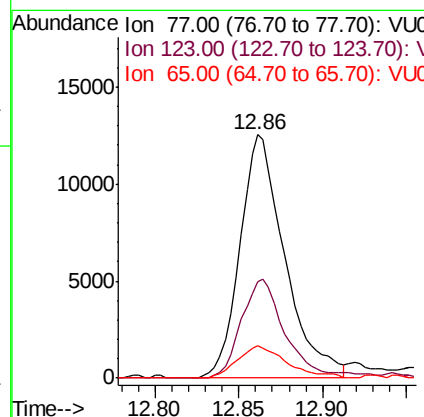
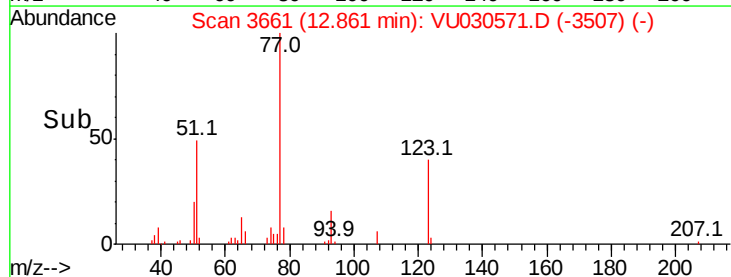
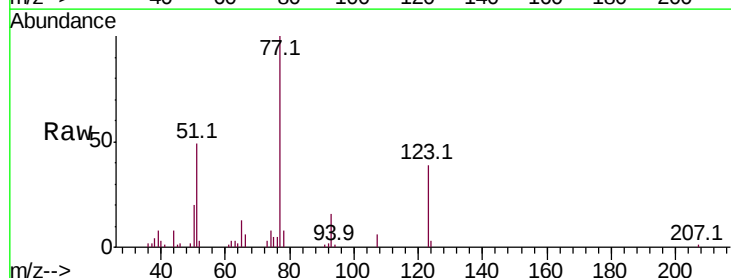
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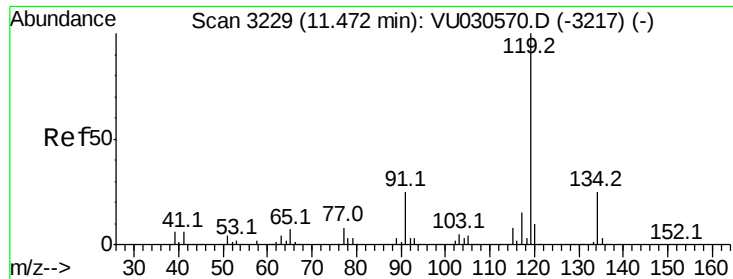
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#80
 Nitrobenzene
 Concen: 87.877 ug/l m
 RT: 12.86 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion: 77 Resp: 23335
 Ion Ratio Lower Upper
 77 100
 123 36.2 17.5 62.1
 65 14.5 8.1 10.3#





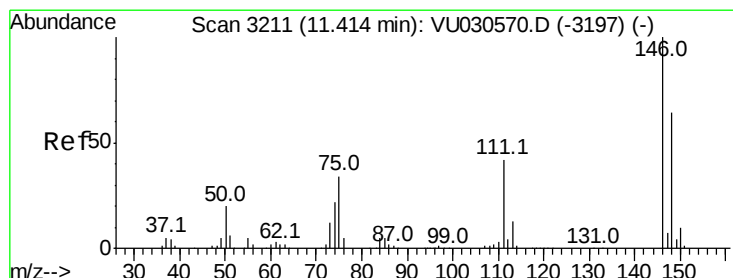
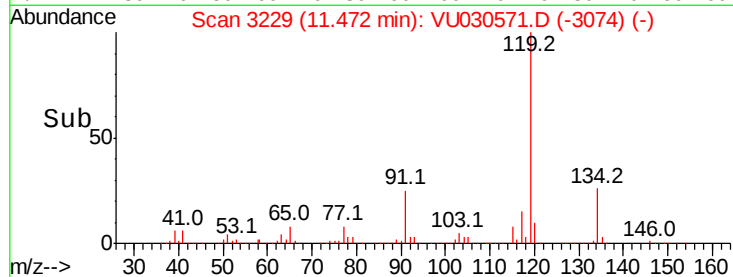
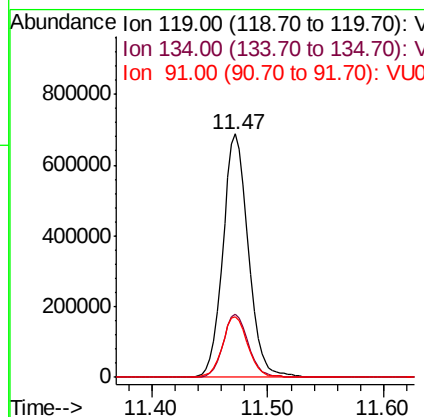
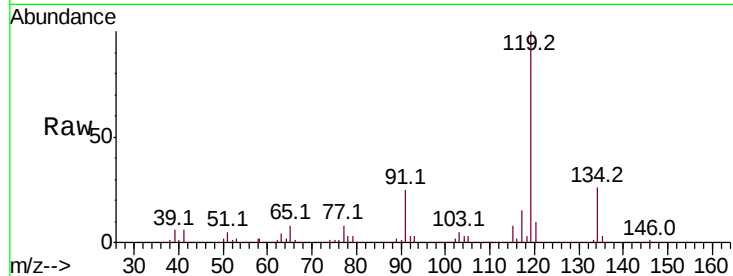
#81
 p-Isopropyltoluene
 Concen: 15.178 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion:119 Resp: 1045729
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 25.0 20.4 30.6

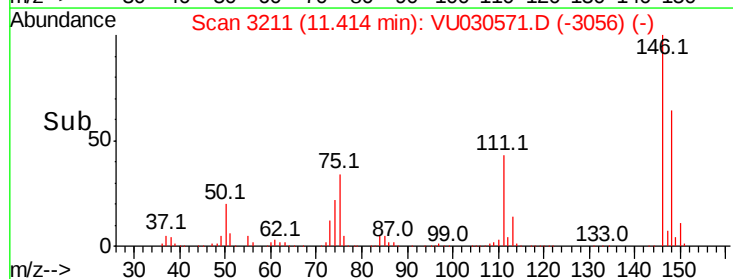
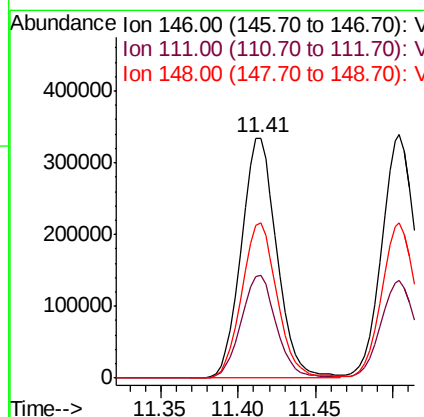
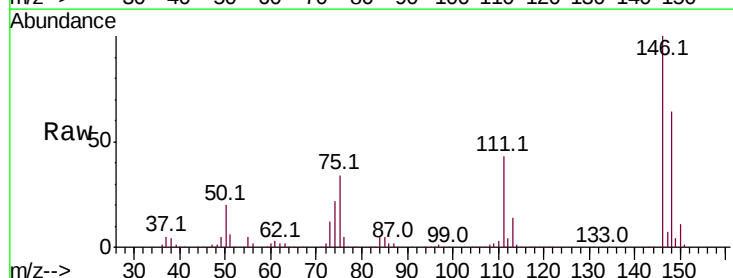
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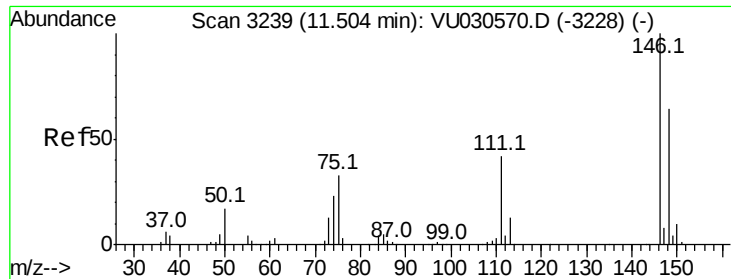
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#82
 1,3-Dichlorobenzene
 Concen: 13.756 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion:146 Resp: 534866
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.0 51.0
 148 64.5 51.0 76.6





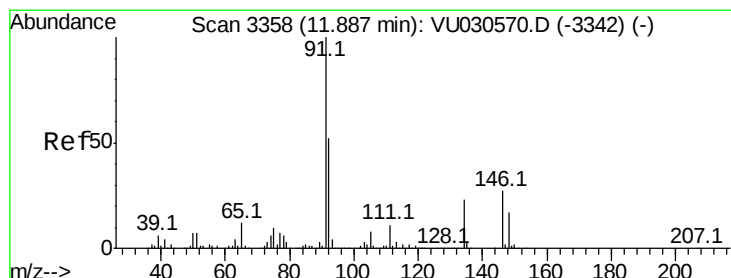
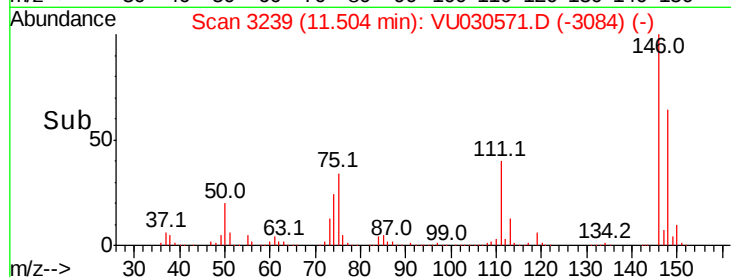
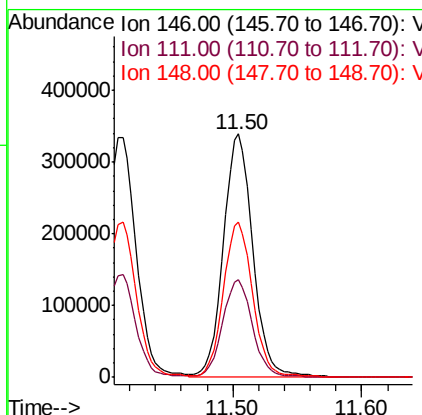
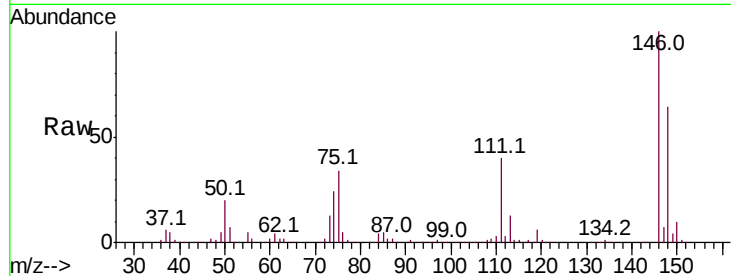
#83
1,4-Dichlorobenzene
Concen: 13.686 ug/l
RT: 11.50 min Scan# 3239
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	32.8	49.2
148	64.2	50.5	75.7

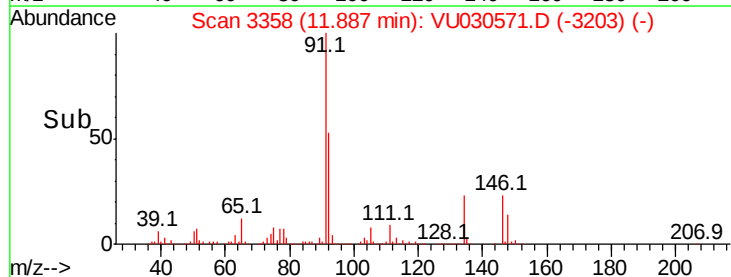
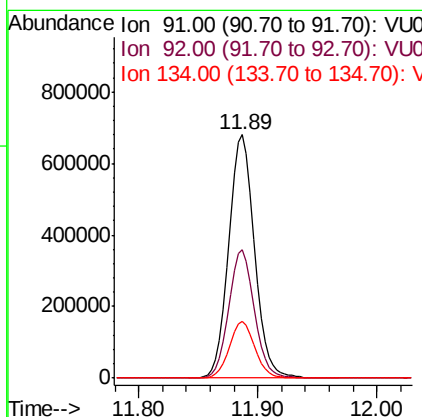
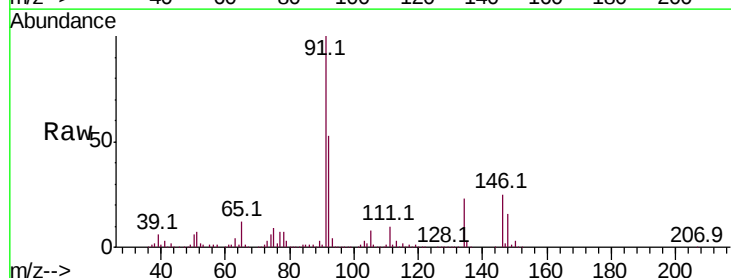
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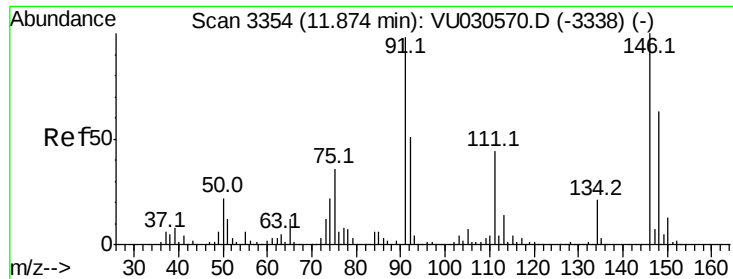
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#84
n-Butylbenzene
Concen: 15.751 ug/l
RT: 11.89 min Scan# 3358
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	41.7	62.5
134	23.0	18.3	27.5





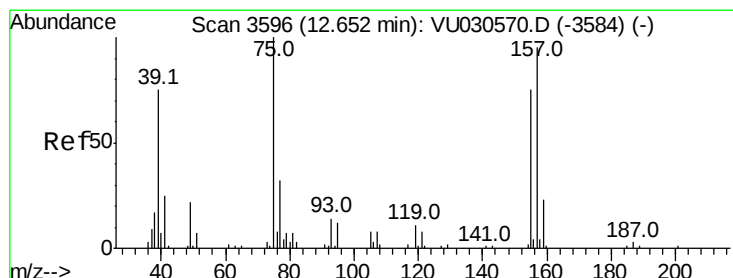
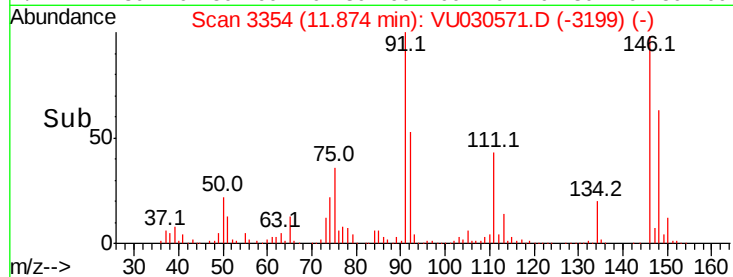
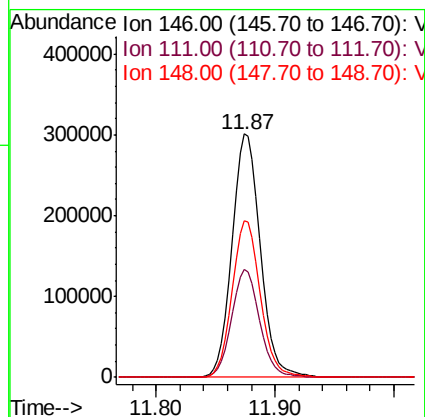
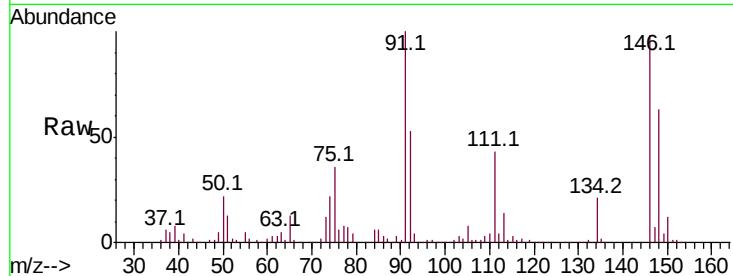
#85
 1,2-Dichlorobenzene
 Concen: 13.703 ug/l
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.9	65.5
148	64.2	31.5	94.5

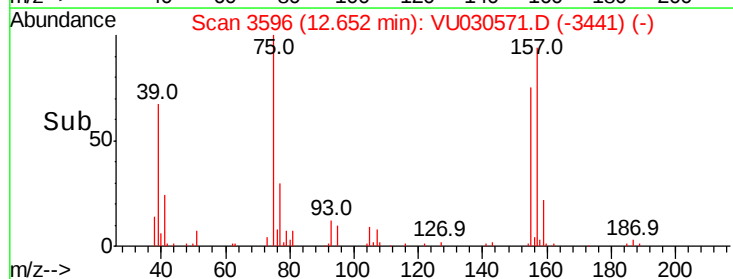
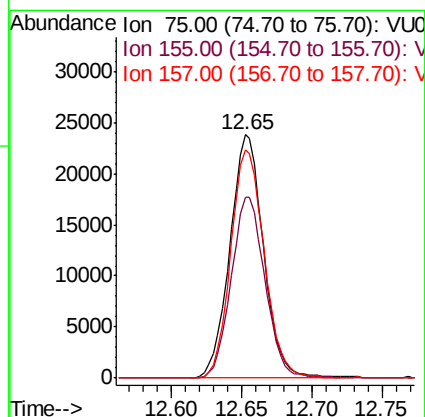
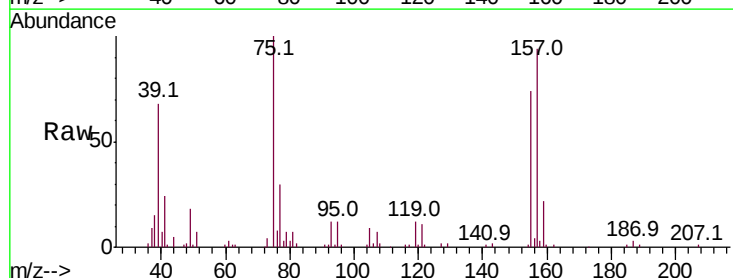
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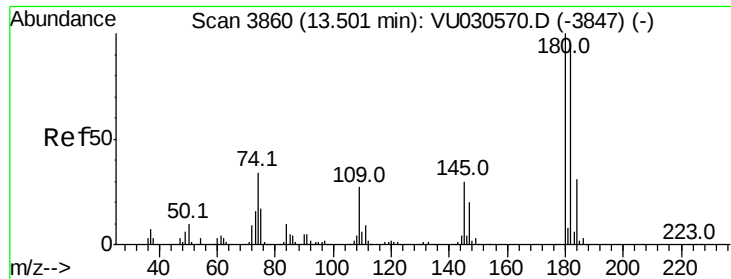
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 17.879 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU030571.D
 Acq: 30 Mar 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	59.7	89.5
157	93.4	73.7	110.5





#87

1,2,4-Trichlorobenzene

Concen: 12.708 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. -0.00 min

Lab File: VU030571.D

Acq: 30 Mar 2019 12:09

Instrument :

MSVOA_U

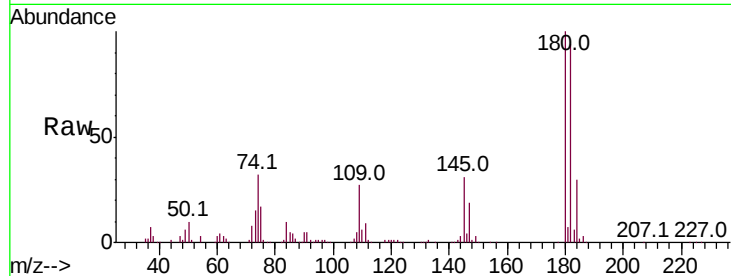
ClientSampleId :

VSTDIC015

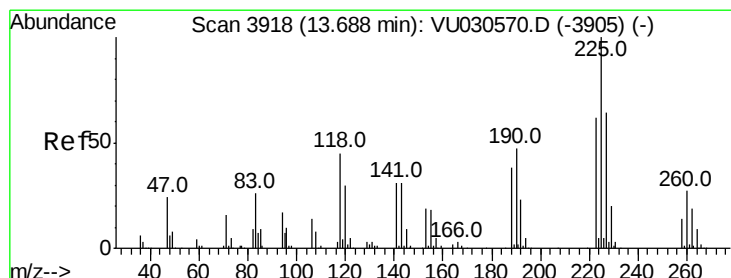
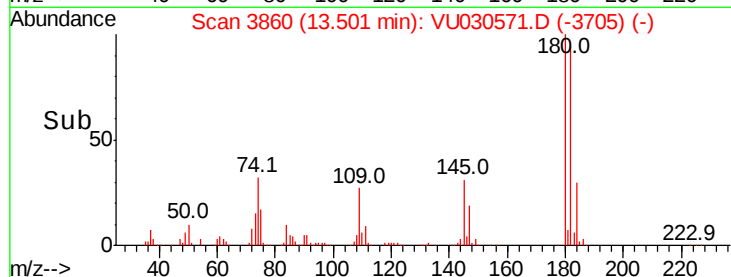
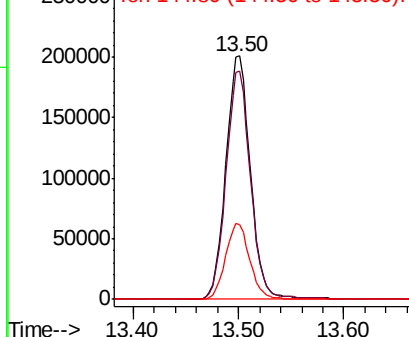
Tot Ion:	180	Resp:	322595
Ion Ratio	Lower	Upper	
180	100		
182	93.3	76.0	114.0
145	31.0	24.3	36.5

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Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 13.006 ug/l

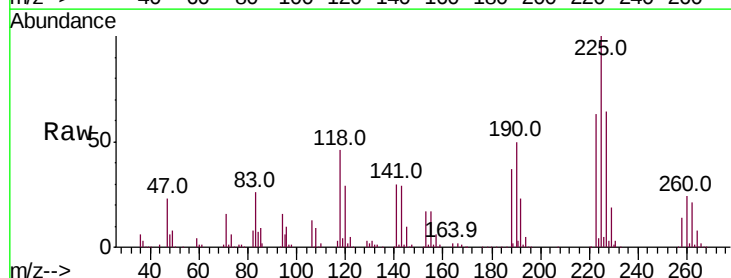
RT: 13.69 min Scan# 3918

Delta R.T. -0.00 min

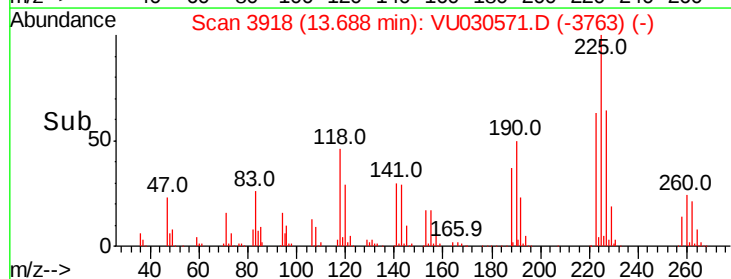
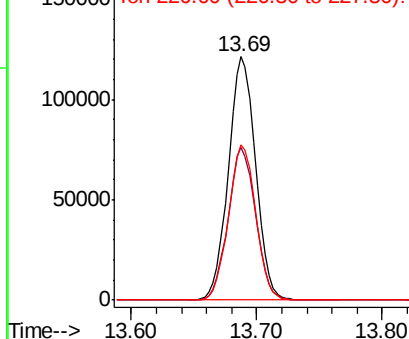
Lab File: VU030571.D

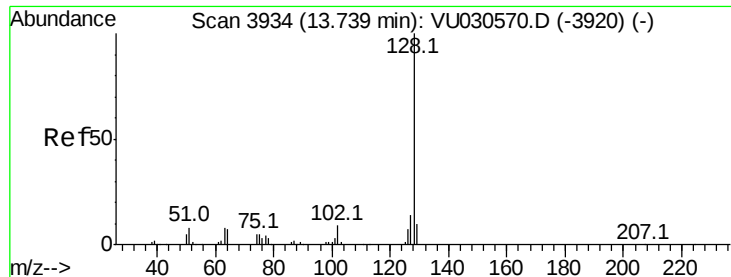
Acq: 30 Mar 2019 12:09

Tgt Ion:	225	Resp:	182654
Ion Ratio	Lower	Upper	
225	100		
223	63.3	50.7	76.1
227	63.7	50.8	76.2



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





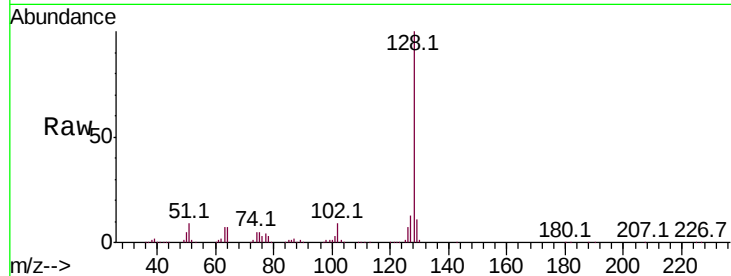
#89
Naphthalene
Concen: 14.578 ug/l
RT: 13.74 min Scan# 3934
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC015

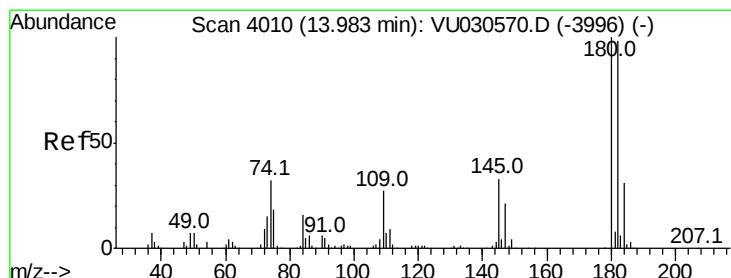
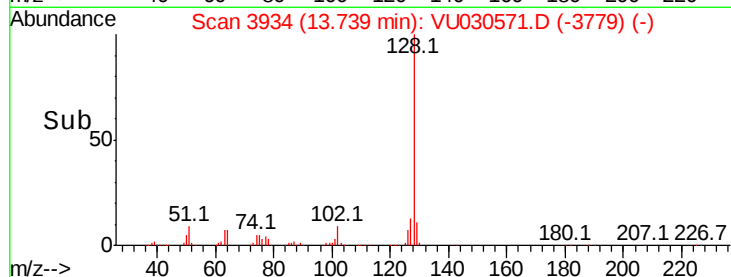
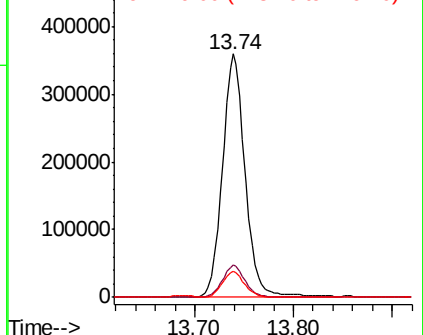
Tot Ion:128	Resp:	580618
Ion Ratio	Lower	Upper
128 100		
127 13.1	10.4	15.6
129 10.3	7.8	11.8

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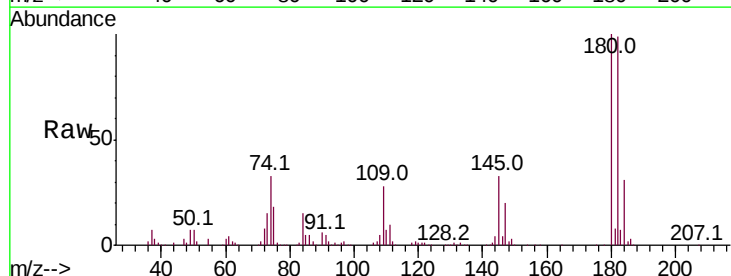


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 12.608 ug/l
RT: 13.98 min Scan# 4010
Delta R.T. -0.00 min
Lab File: VU030571.D
Acq: 30 Mar 2019 12:09

Tgt Ion:180	Resp:	291716
Ion Ratio	Lower	Upper
180 100		
182 97.1	76.6	114.8
145 32.5	25.9	38.9



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

