

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011419\
 Data File : VU029152.D
 Acq On : 14 Jan 2019 09:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:29:29 AM

Quant Time: Jan 14 22:52:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 12 01:33:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	124560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	195289	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	183030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	94846	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	73730	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
35) Dibromofluoromethane	4.88	113	64012	50.57	ug/l	0.00
Spiked Amount			Recovery	=	101.14%	
50) Toluene-d8	7.56	98	249865	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	10.30	95	90126	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	56558	45.786	ug/l	100
3) Chloromethane	1.33	50	78335	39.586	ug/l	99
4) Vinyl Chloride	1.40	62	82595	45.372	ug/l	99
5) Bromomethane	1.61	94	42970	45.649	ug/l	97
6) Chloroethane	1.69	64	49244	45.416	ug/l	99
7) Trichlorofluoromethane	1.88	101	92529	46.647	ug/l	100
8) Diethyl Ether	2.10	74	44242	46.425	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62341	46.971	ug/l	99
10) Methyl Iodide	2.41	142	51254	41.070	ug/l	99
11) Tert butyl alcohol	2.82	59	87124	222.598	ug/l	99
12) 1,1-Dichloroethene	2.28	96	59853	46.331	ug/l	99
13) Acrolein	2.19	56	72690	247.332	ug/l	99
14) Allyl chloride	2.59	41	102892	43.408	ug/l	90
15) Acrylonitrile	2.93	53	228930	238.412	ug/l	99
16) Acetone	2.32	43	236910	244.233	ug/l	99
17) Carbon Disulfide	2.48	76	186953	43.631	ug/l	99
18) Methyl Acetate	2.61	43	113135	50.161	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	215956	47.548	ug/l	99
20) Methylene Chloride	2.70	84	74618	45.307	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	68480	45.626	ug/l	100
22) Diisopropyl ether	3.57	45	229476	48.984	ug/l	98
23) Vinyl Acetate	3.52	43	933125	243.650	ug/l	99
24) 1,1-Dichloroethane	3.44	63	129991	48.067	ug/l	99
25) 2-Butanone	4.25	43	328382	250.644	ug/l	99
26) 2,2-Dichloropropane	4.22	77	108665	49.728	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	79340	48.331	ug/l	98
28) Bromochloromethane	4.54	49	55991	48.352	ug/l	100
29) Tetrahydrofuran	4.63	42	191629	241.156	ug/l	100
30) Chloroform	4.67	83	126396	49.070	ug/l	98
31) Cyclohexane	4.99	56	120047	46.956	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	103942	48.837	ug/l	100
36) 1,1-Dichloropropene	5.13	75	95486	48.917	ug/l	98
37) Ethyl Acetate	4.38	43	106493	49.702	ug/l	99
38) Carbon Tetrachloride	5.13	117	86318	53.019	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	122056	50.862	ug/l	98
40) Benzene	5.39	78	302773	49.726	ug/l	99
41) Methacrylonitrile	4.54	41	59098	51.528	ug/l	99
42) 1,2-Dichloroethane	5.40	62	94138	51.452	ug/l	100
43) Isopropyl Acetate	5.54	43	169779	51.655	ug/l	99
44) Trichloroethene	6.18	130	76441	50.669	ug/l	95
45) 1,2-Dichloropropane	6.43	63	81772	50.855	ug/l	97
46) Dibromomethane	6.56	93	52564	51.138	ug/l	100
47) Bromodichloromethane	6.75	83	99731	52.697	ug/l	99
48) Methyl methacrylate	6.62	41	84781	52.974	ug/l	99
49) 1,4-Dioxane	6.61	88	37913	999.615	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	568248	254.039	ug/l	99
52) Toluene	7.63	92	188427	50.834	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	116059	51.050	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	127473	51.891	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	76435	51.473	ug/l	99
56) Ethyl methacrylate	8.02	69	116998	51.141	ug/l	99
57) 1,3-Dichloropropane	8.24	76	130773	51.466	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	240060	238.602	ug/l	100
59) 2-Hexanone	8.36	43	450205	256.403	ug/l	100
60) Dibromochloromethane	8.47	129	78526	53.376	ug/l	100
61) 1,2-Dibromoethane	8.58	107	82036	50.937	ug/l	99
64) Tetrachloroethene	8.22	164	67163	50.940	ug/l	95
65) Chlorobenzene	9.12	112	204589	49.867	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	71240	53.507	ug/l	98
67) Ethyl Benzene	9.25	91	353155	51.558	ug/l	100
68) m/p-Xylenes	9.37	106	273301	102.690	ug/l	98
69) o-Xylene	9.78	106	133215	51.948	ug/l	99
70) Styrene	9.79	104	220371	52.421	ug/l	100
71) Bromoform	9.95	173	63740	53.766	ug/l #	99
73) Isopropylbenzene	10.16	105	346265	49.324	ug/l	99
74) N-amyl acetate	10.01	43	146111	48.299	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.45	83	133765	47.542	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	115753m	49.810	ug/l	
77) Bromobenzene	10.45	156	88950	48.621	ug/l	99
78) n-propylbenzene	10.58	91	424299	51.286	ug/l	100
79) 2-Chlorotoluene	10.66	91	243883	48.595	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	292853	49.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	44648m	49.551	ug/l	
82) 4-Chlorotoluene	10.77	91	284375	49.416	ug/l	99
83) tert-Butylbenzene	11.10	119	289532	50.108	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	298779	51.046	ug/l	100
85) sec-Butylbenzene	11.32	105	362478	51.870	ug/l	100
86) p-Isopropyltoluene	11.47	119	313340	52.620	ug/l	100
87) 1,3-Dichlorobenzene	11.41	146	162963	48.563	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	165411	47.754	ug/l	99
89) n-Butylbenzene	11.89	91	297992	56.068	ug/l	100
90) Hexachloroethane	12.14	117	50761	50.672	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	160900	47.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27491	50.800	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	112751	52.258	ug/l	100
94) Hexachlorobutadiene	13.69	225	54648	55.375	ug/l	99
95) Naphthalene	13.74	128	360681	49.142	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	114423	51.492	ug/l	99

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

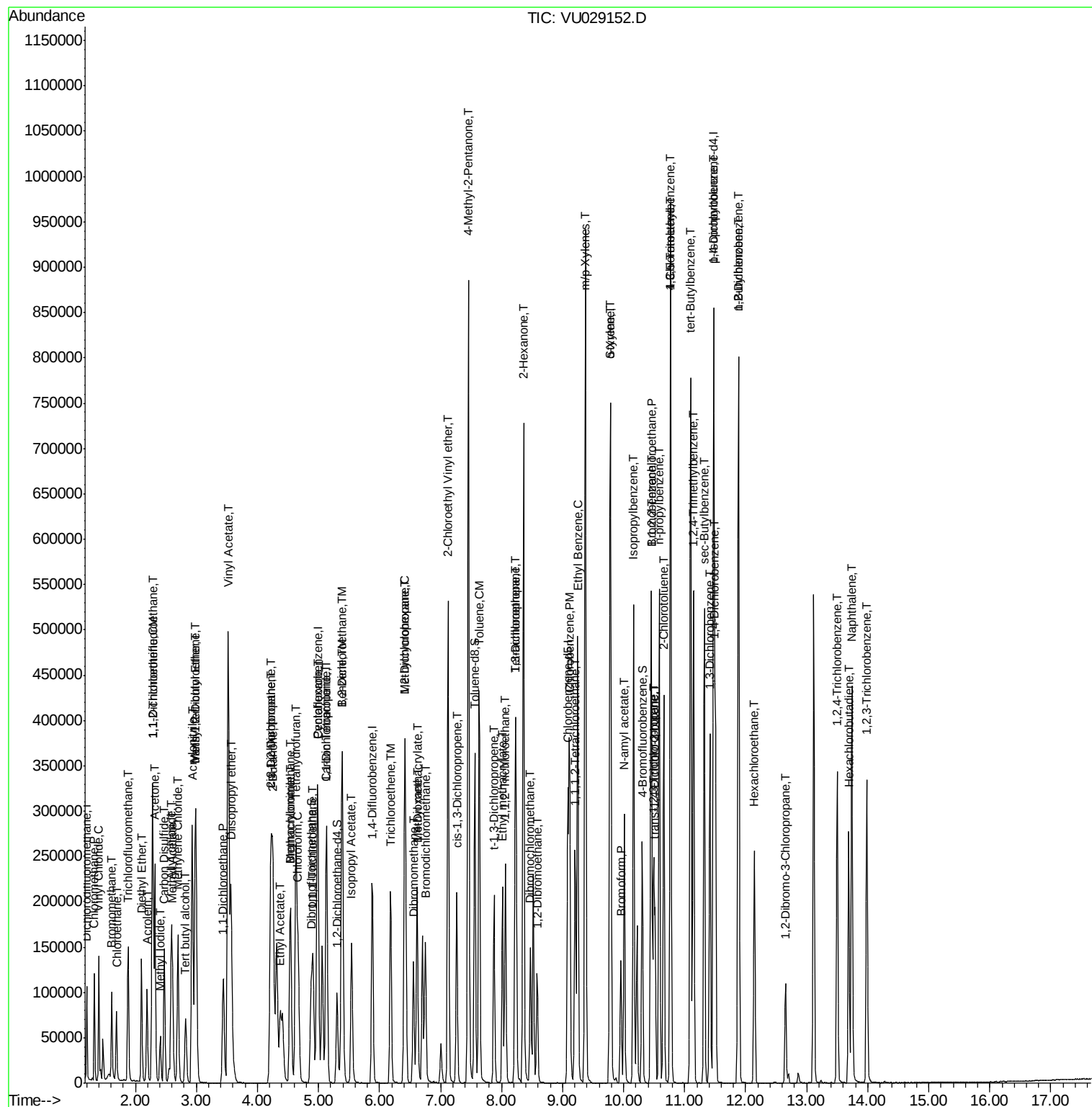
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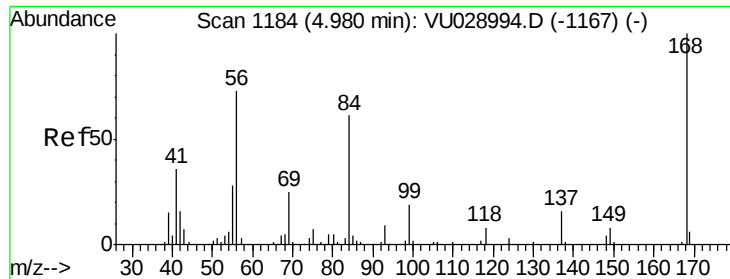
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 124560

Ion Ratio Lower Upper

168 100

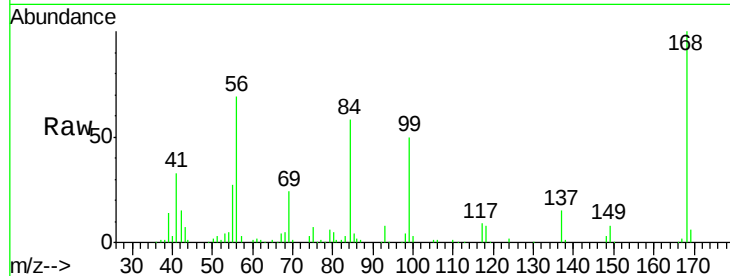
99 49.6 42.0 63.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

60000

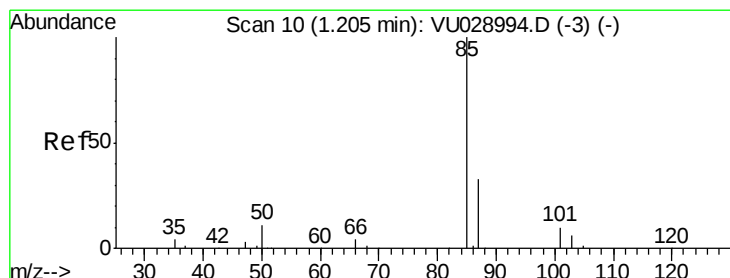
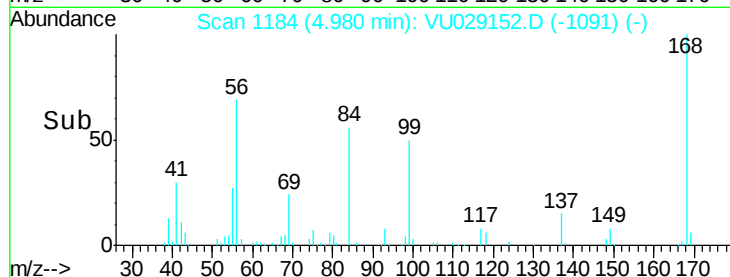
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.786 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU029152.D

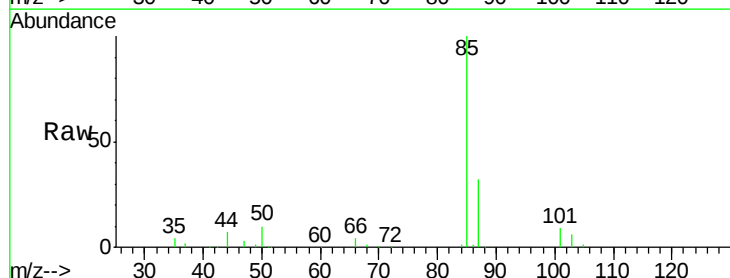
Acq: 14 Jan 2019 09:34

Tgt Ion: 85 Resp: 56558

Ion Ratio Lower Upper

85 100

87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028994.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028994.D (-3) (-)

1.21

60000

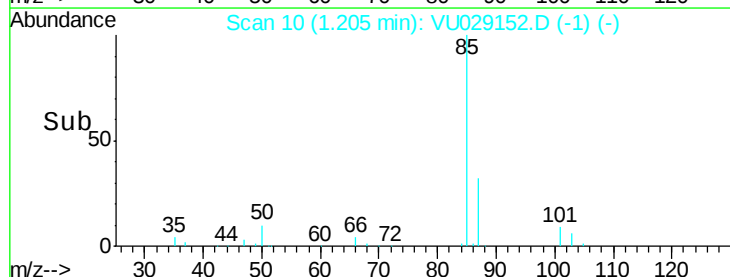
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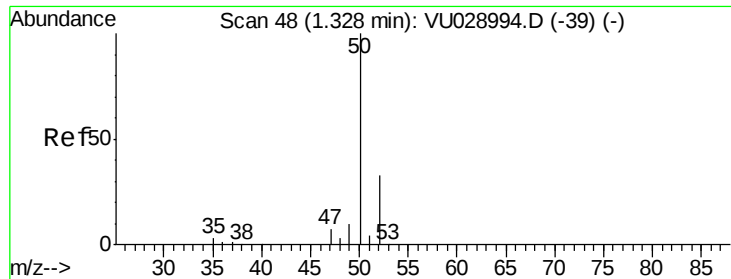
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 39.586 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 78335

Ion Ratio Lower Upper

50 100

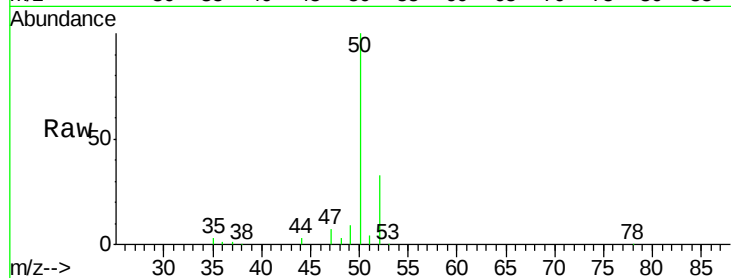
52 33.0 26.1 39.1

Manual Integrations

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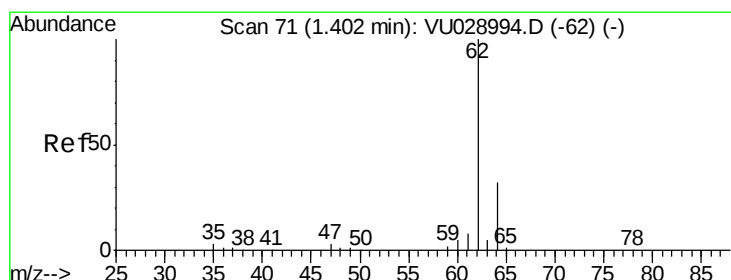
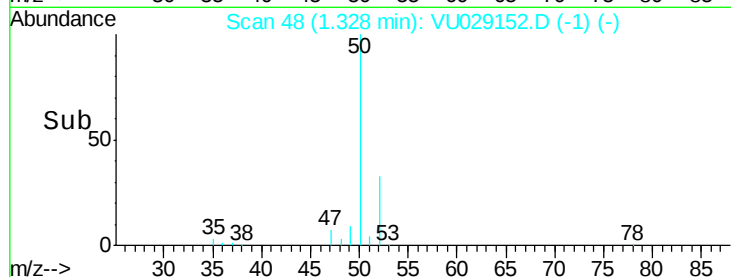
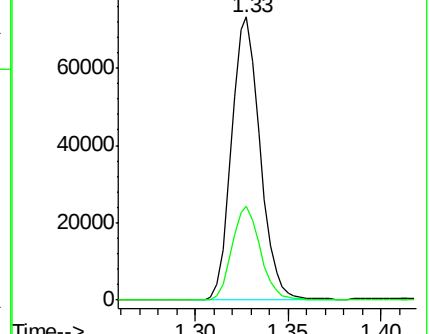
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 45.372 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU029152.D

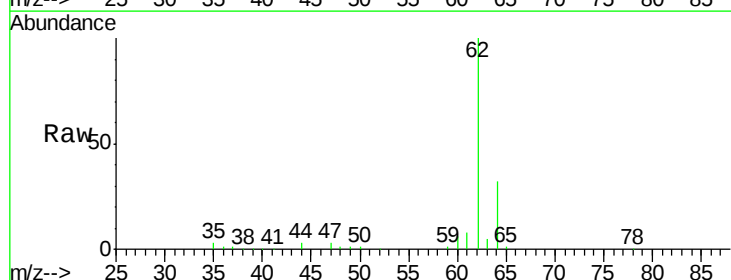
Acq: 14 Jan 2019 09:34

Tgt Ion: 62 Resp: 82595

Ion Ratio Lower Upper

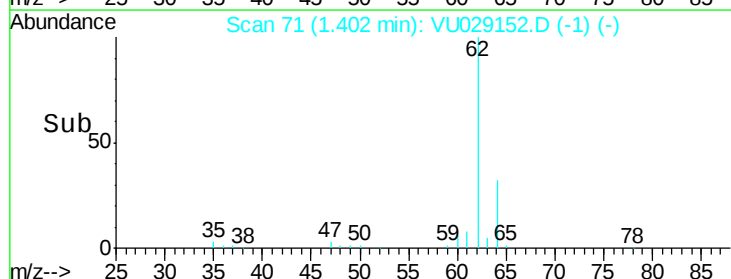
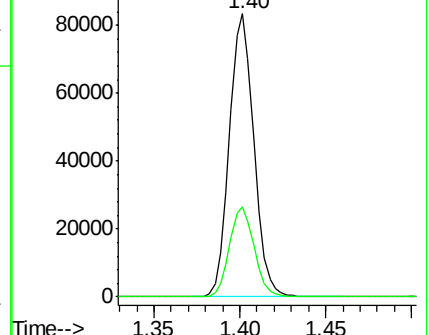
62 100

64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 45.649 ug/l

RT: 1.61 min Scan# 137

Delta R.T. 0.01 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 42970

Ion Ratio Lower Upper

94 100

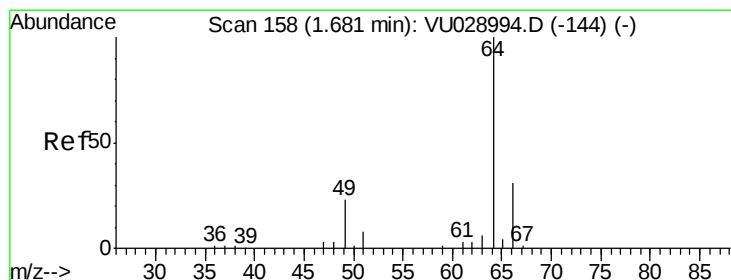
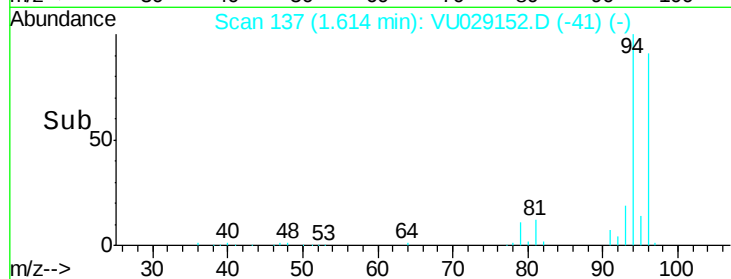
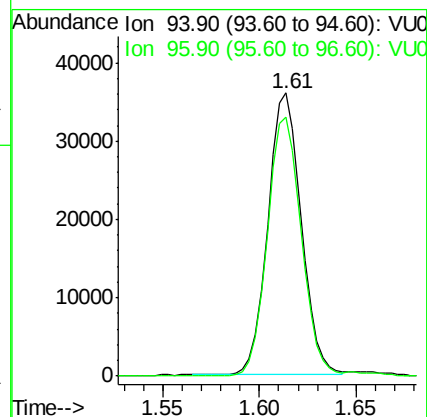
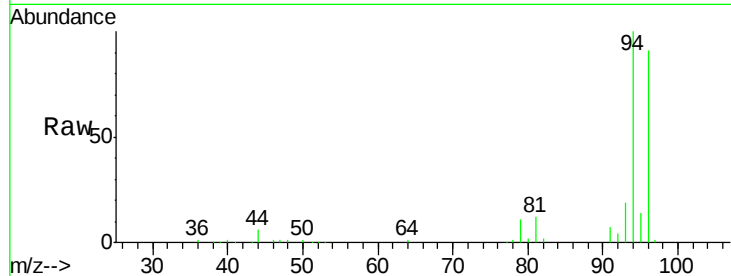
96 91.8 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 45.416 ug/l

RT: 1.69 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU029152.D

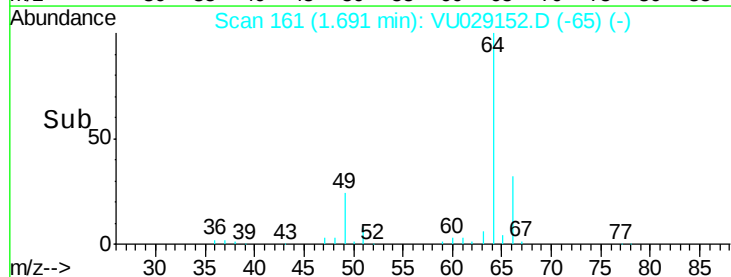
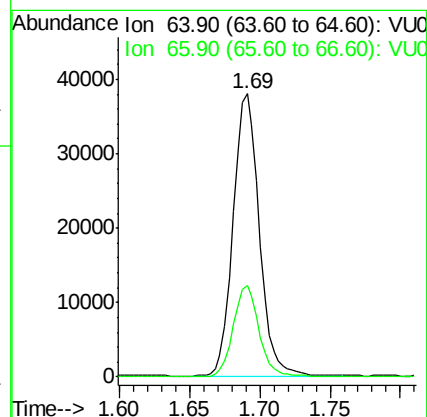
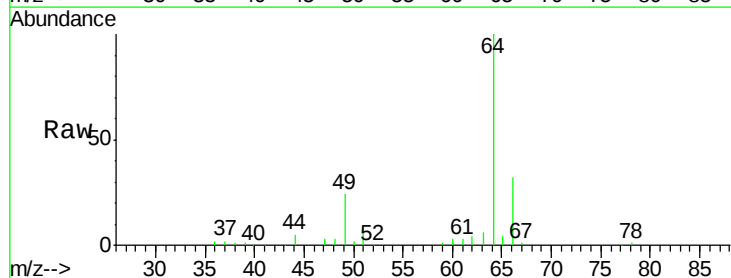
Acq: 14 Jan 2019 09:34

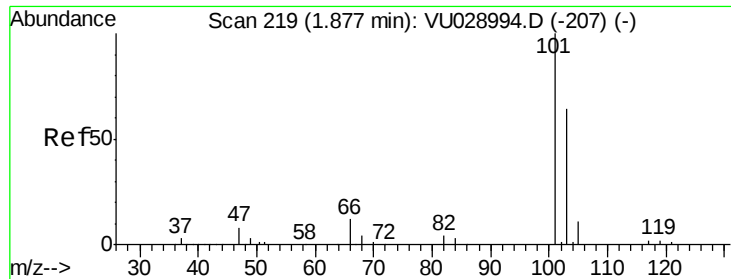
Tgt Ion: 64 Resp: 49244

Ion Ratio Lower Upper

64 100

66 32.2 25.2 37.8





#7

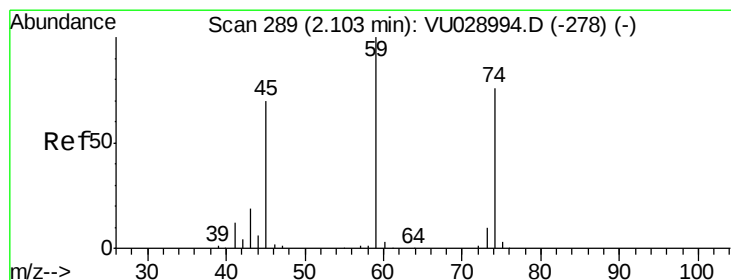
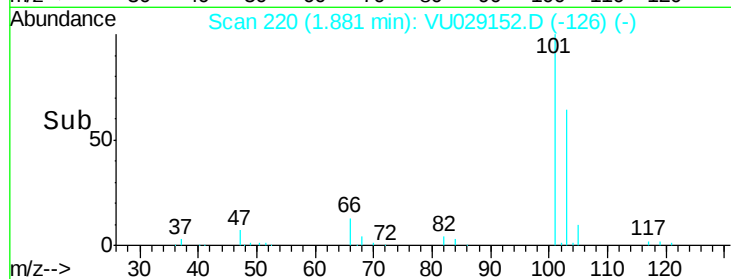
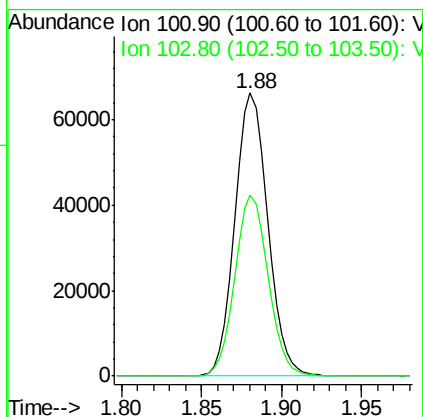
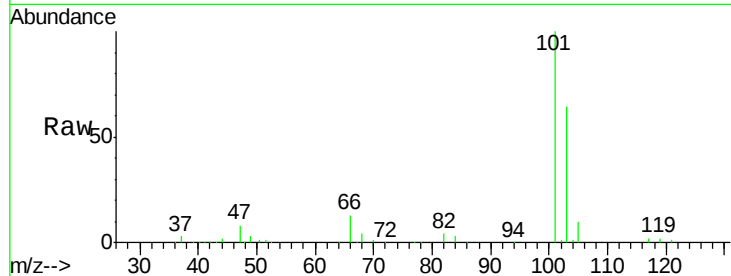
Trichlorofluoromethane
 Concen: 46.647 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029152.D
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Tot Ion:101 Resp: 92529
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.5 77.3

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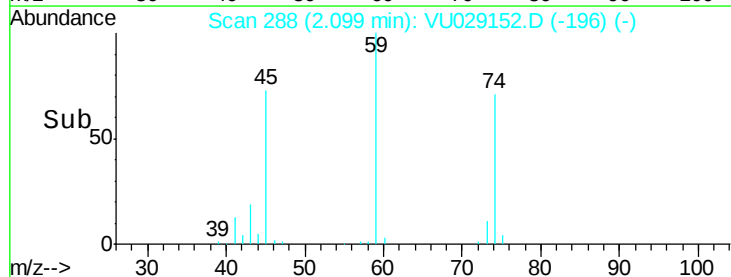
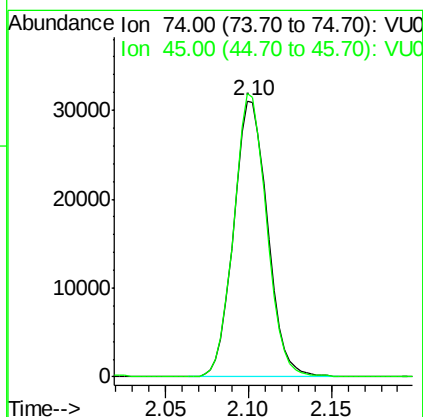
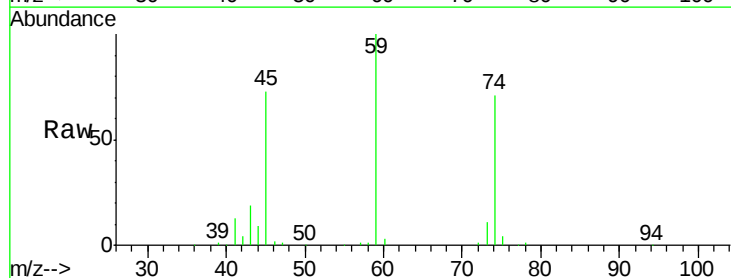
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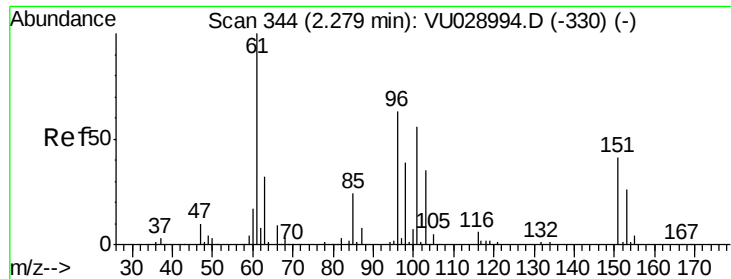


#8

Diethyl Ether
 Concen: 46.425 ug/l
 RT: 2.10 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion: 74 Resp: 44242
 Ion Ratio Lower Upper
 74 100
 45 99.3 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.971 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029152.D

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MSVOA_U

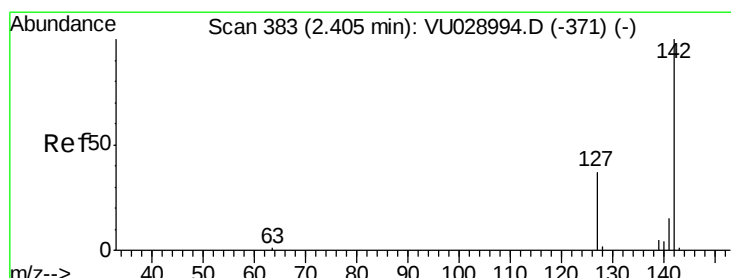
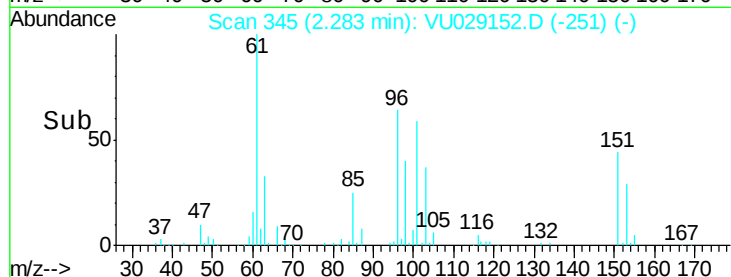
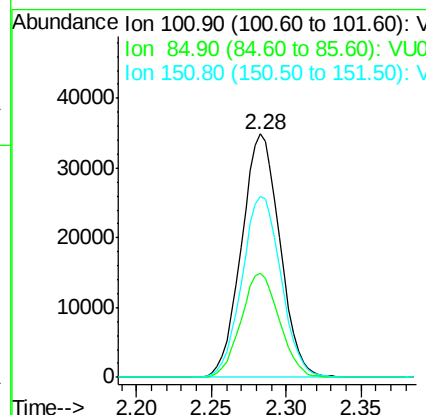
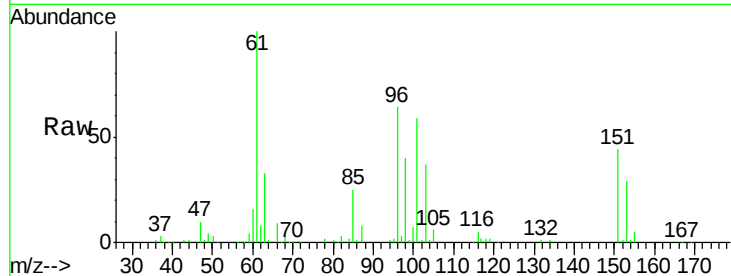
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	62341
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.1	52.7
151	75.6	60.2	90.2

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#10

Methyl Iodide

Concen: 41.070 ug/l

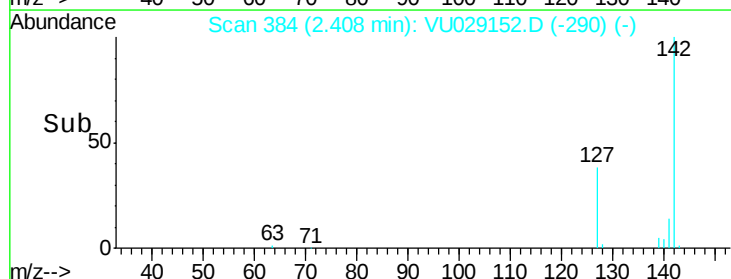
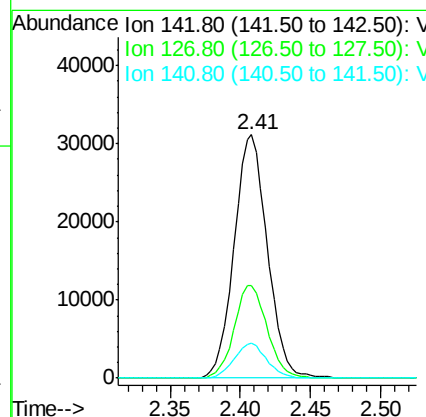
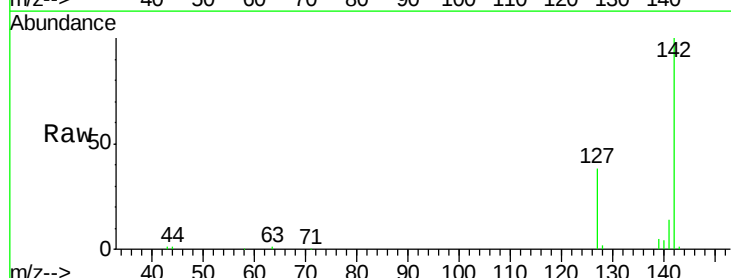
RT: 2.41 min Scan# 384

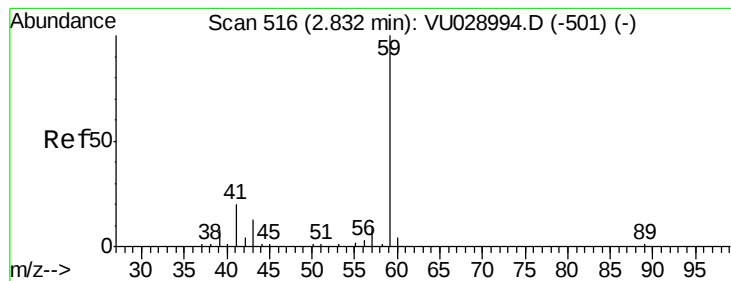
Delta R.T. 0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion:	142	Resp:	51254
Ion Ratio	Lower	Upper	
142	100		
127	37.7	29.8	44.6
141	14.0	11.5	17.3





#11

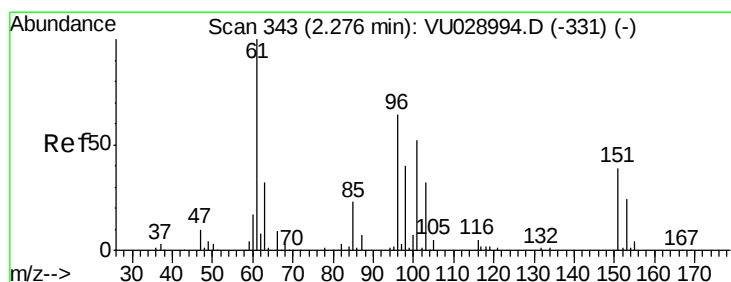
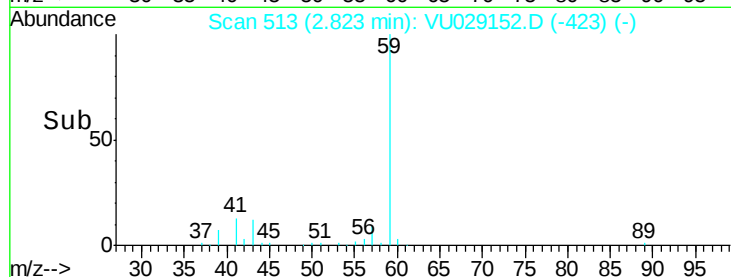
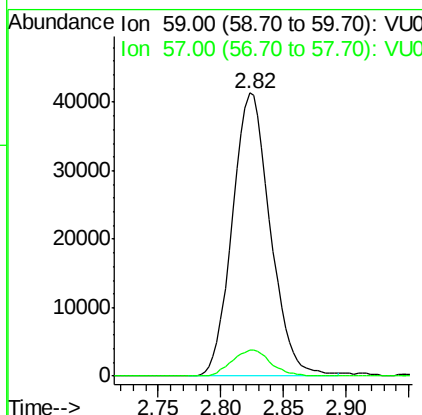
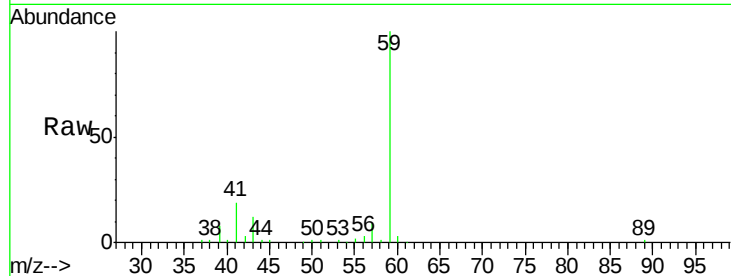
Tert butyl alcohol
 Concen: 222.598 ug/l
 RT: 2.82 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.9	11.9

Manual Integrations
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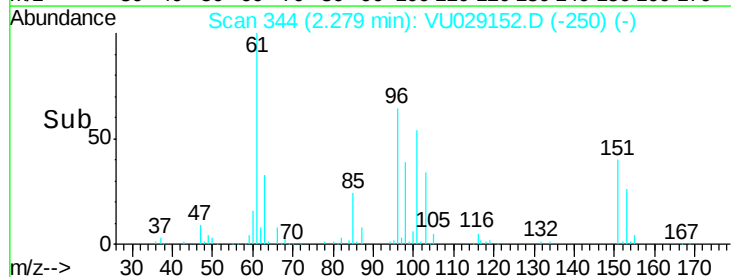
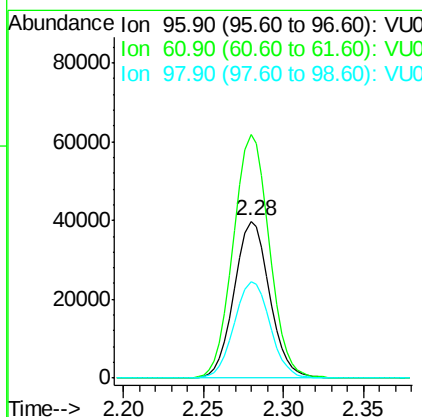
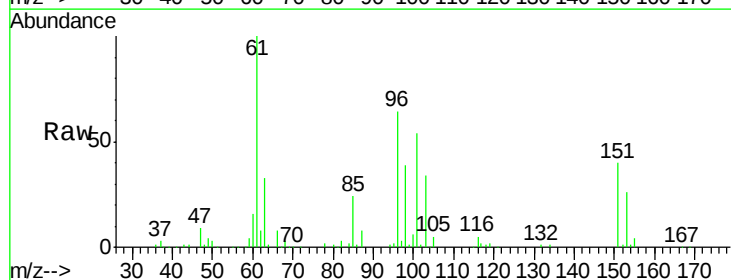
MMDadoda
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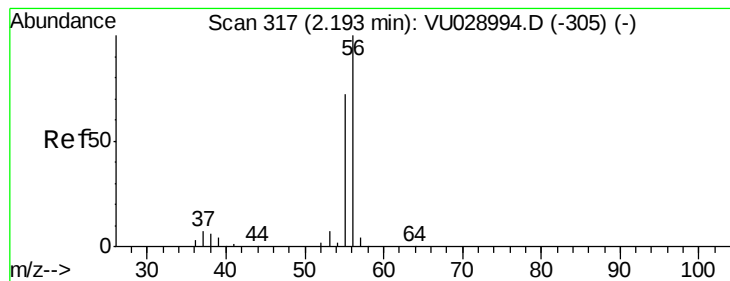


#12

1,1-Dichloroethene
 Concen: 46.331 ug/l
 RT: 2.28 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	125.4	188.0
98	61.2	49.7	74.5





#13

Acrolein

Concen: 247.332 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 72690

Ion Ratio Lower Upper

56 100

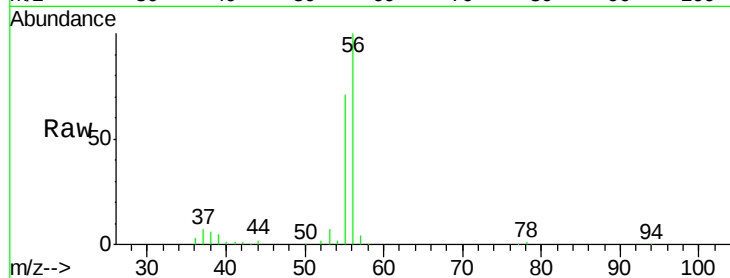
55 71.7 56.5 84.7

Manual Integrations

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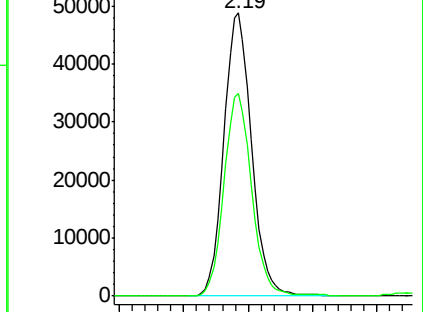
MMDadoda

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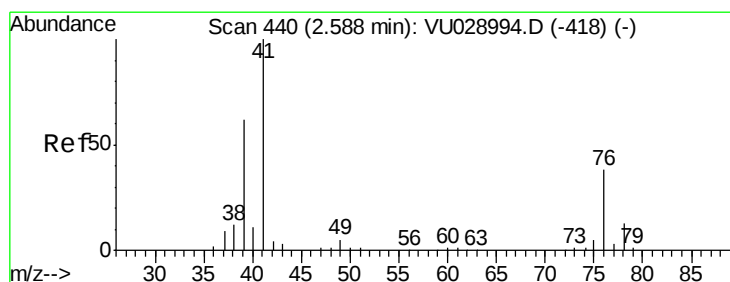
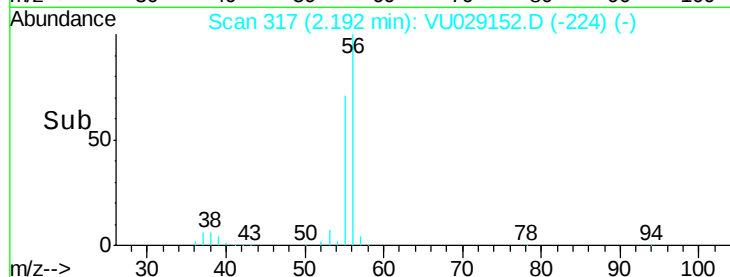


Abundance Ion 56.00 (55.70 to 56.70): VU028994.D (-305) (-)

Ion 55.00 (54.70 to 55.70): VU028994.D (-305) (-)



Time-->



#14

Allyl chloride

Concen: 43.408 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

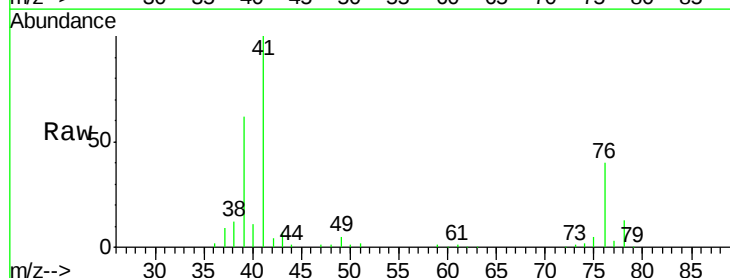
Tgt Ion: 41 Resp: 102892

Ion Ratio Lower Upper

41 100

39 64.2 45.0 67.6

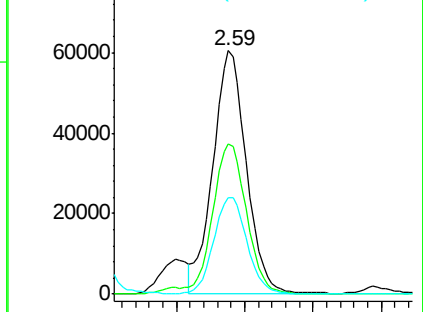
76 39.5 28.1 42.1



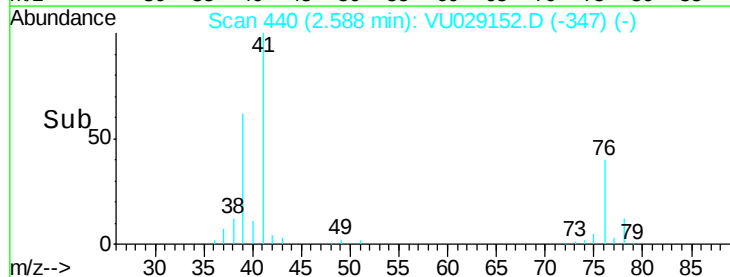
Abundance Ion 41.00 (40.70 to 41.70): VU028994.D (-418) (-)

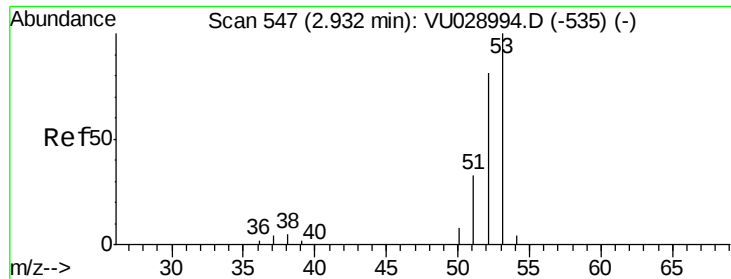
Ion 39.00 (38.70 to 39.70): VU028994.D (-418) (-)

Ion 75.90 (75.60 to 76.60): VU028994.D (-418) (-)



Time-->





#15

Acrylonitrile

Concen: 238.412 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

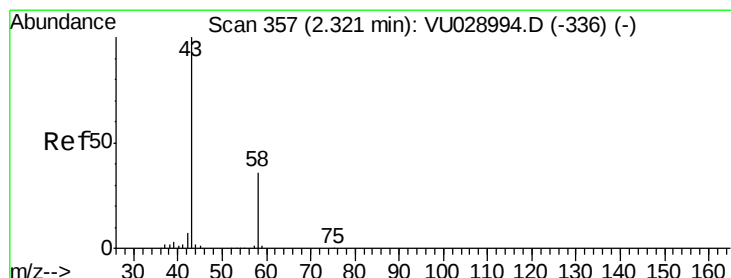
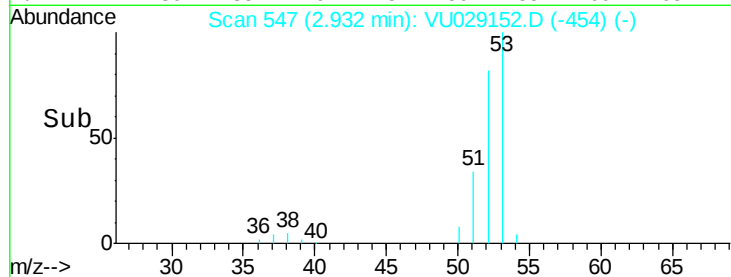
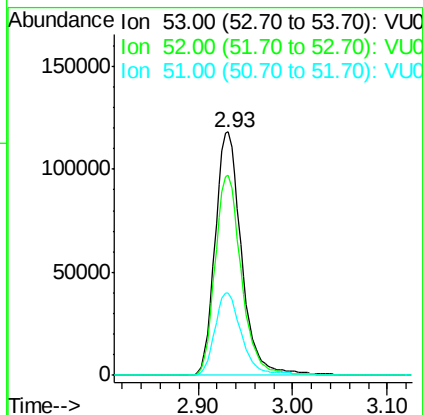
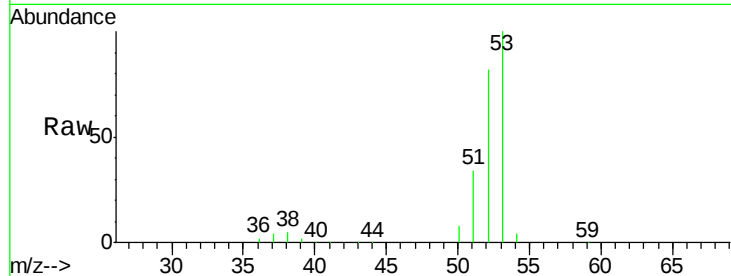
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	228930
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	34.8	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 244.233 ug/l

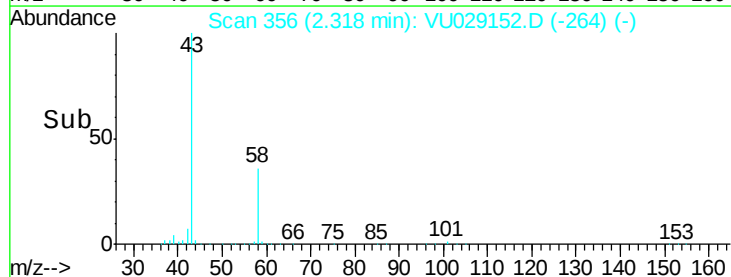
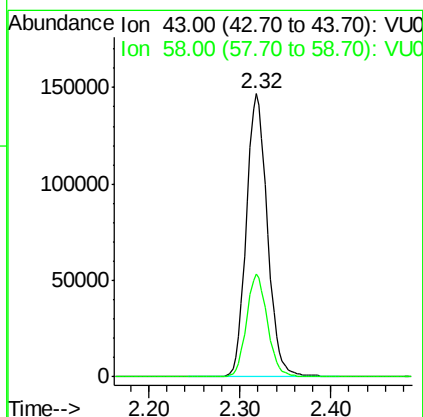
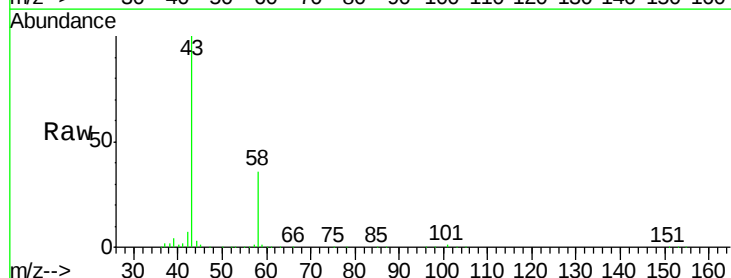
RT: 2.32 min Scan# 356

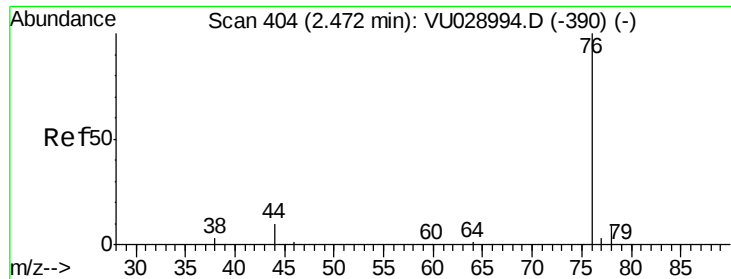
Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion:	43	Resp:	236910
Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	42.8





#17

Carbon Disulfide

Concen: 43.631 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 186953

Ion Ratio Lower Upper

76 100

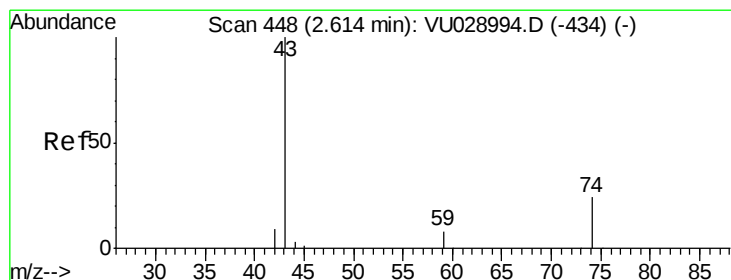
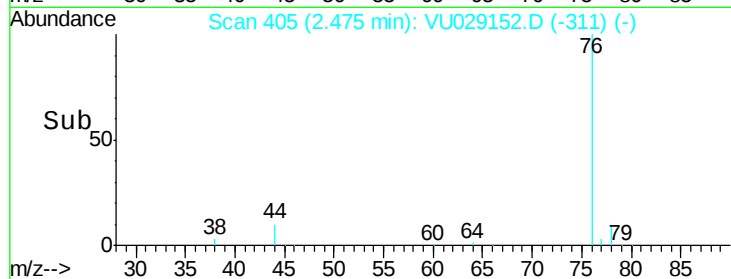
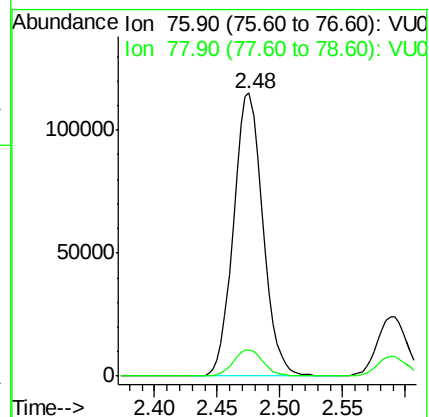
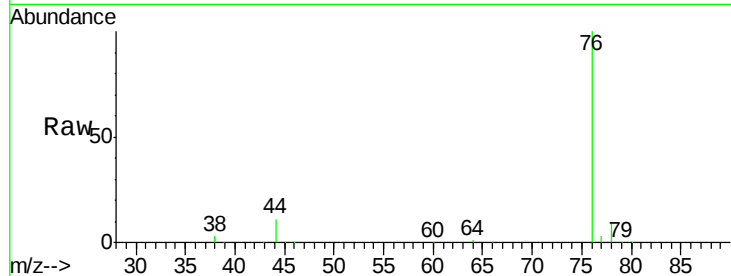
78 9.3 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 50.161 ug/l

RT: 2.61 min Scan# 447

Delta R.T. -0.00 min

Lab File: VU029152.D

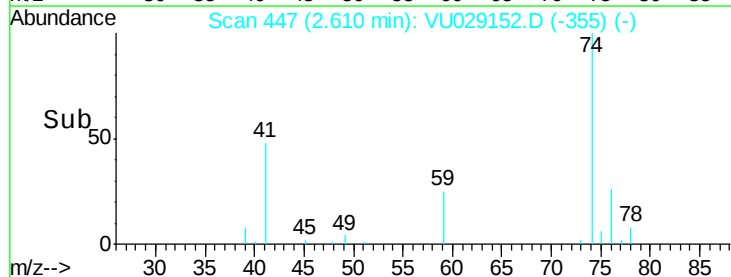
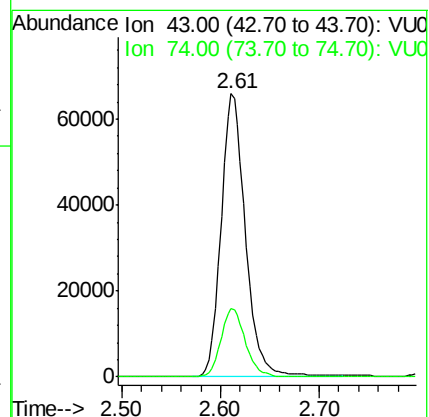
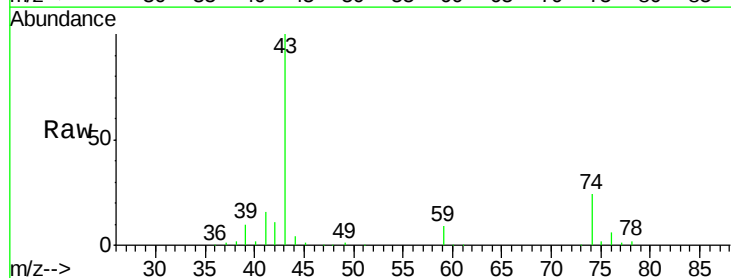
Acq: 14 Jan 2019 09:34

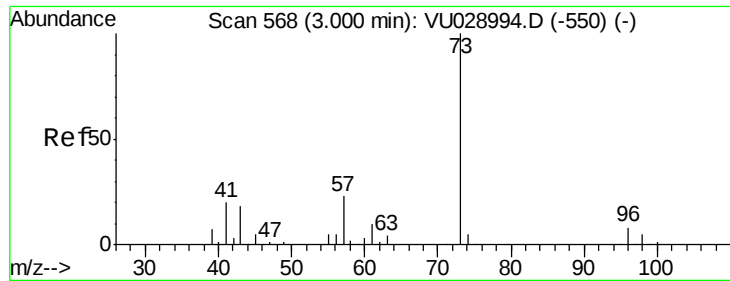
Tgt Ion: 43 Resp: 113135

Ion Ratio Lower Upper

43 100

74 24.6 19.5 29.3





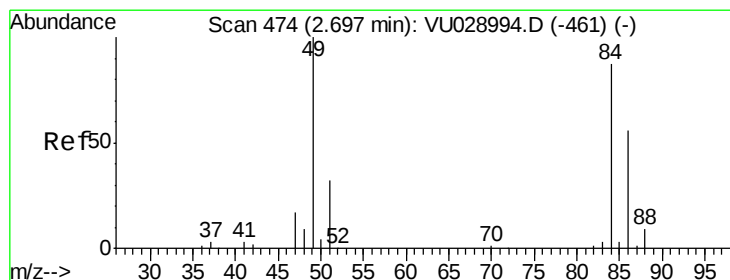
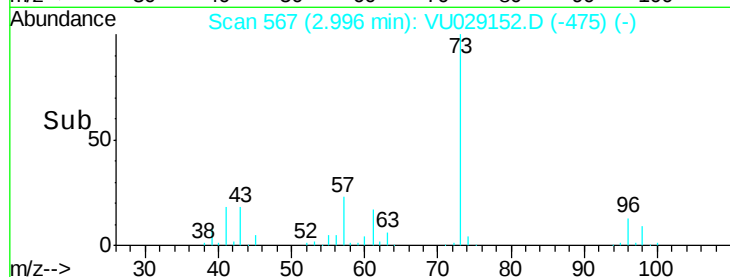
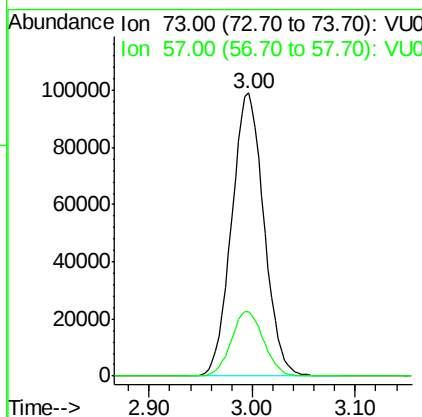
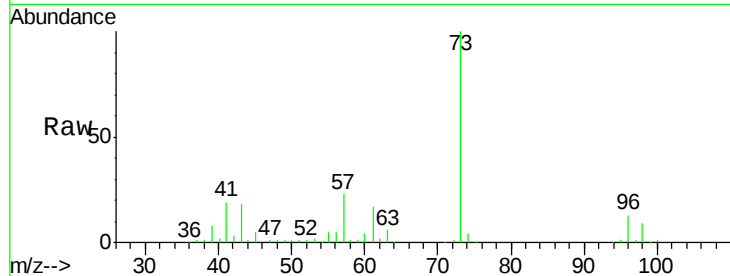
#19
Methvl tert-butvl Ether
Concen: 47.548 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 215956
Ion Ratio Lower Upper
73 100
57 22.8 18.6 28.0

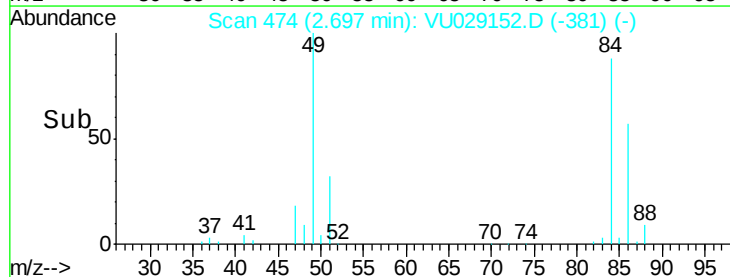
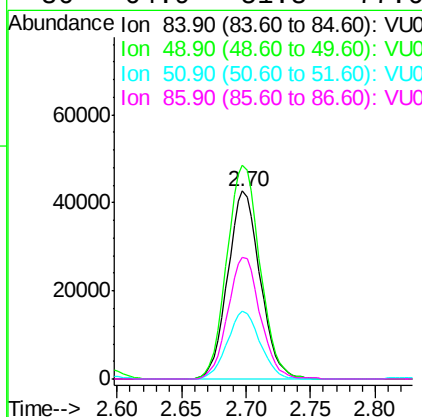
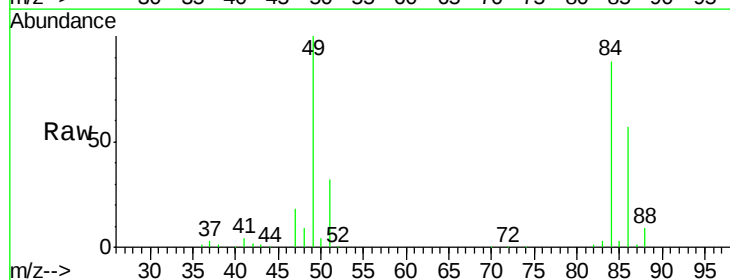
Manual Integrations
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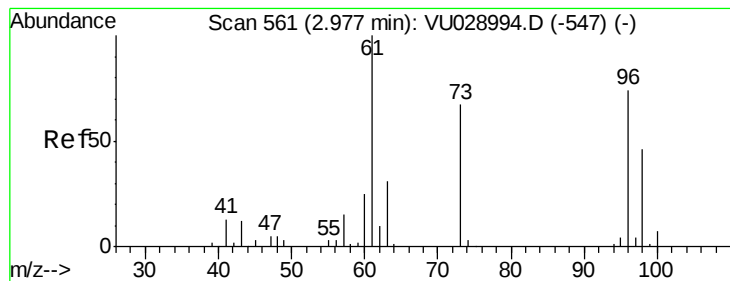
MMDadoda
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#20
Methylene Chloride
Concen: 45.307 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion: 84 Resp: 74618
Ion Ratio Lower Upper
84 100
49 113.8 91.9 137.9
51 35.9 29.2 43.8
86 64.9 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.626 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 68480

Ion Ratio Lower Upper

96 100

61 134.9 107.7 161.5

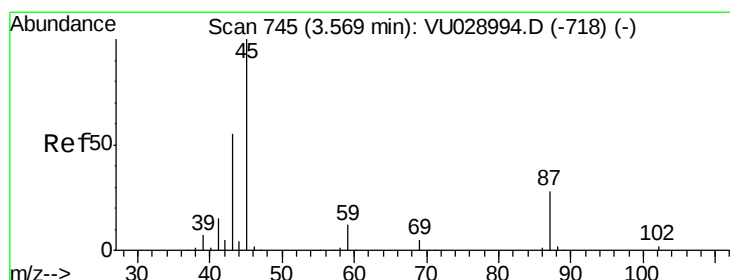
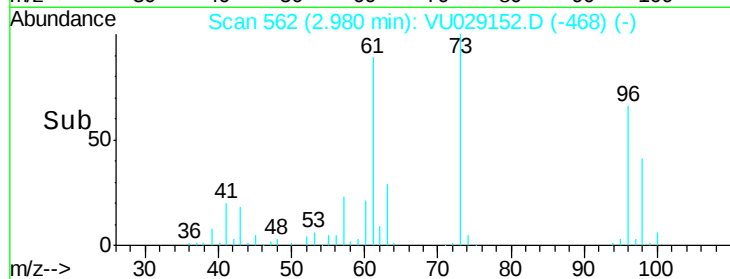
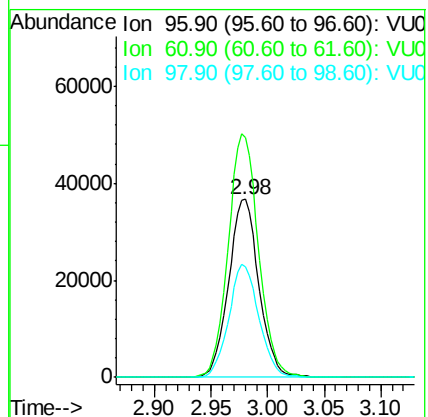
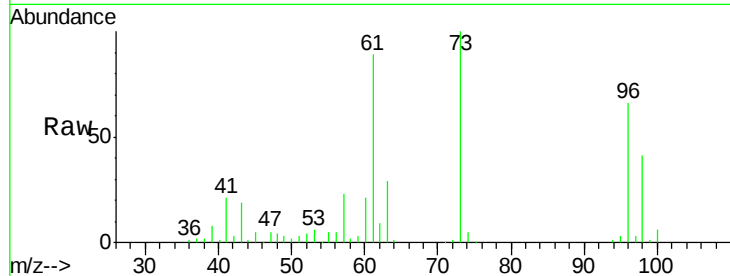
98 61.8 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.984 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion: 45 Resp: 229476

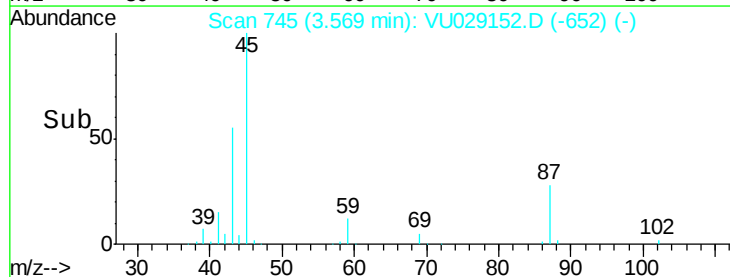
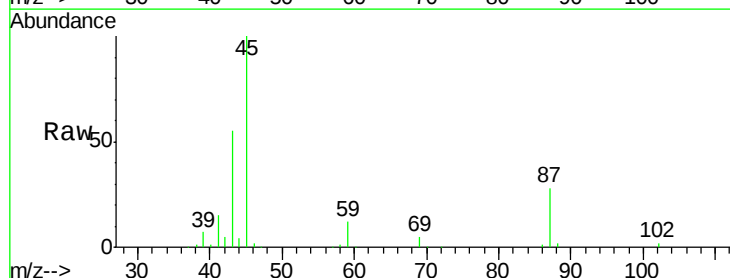
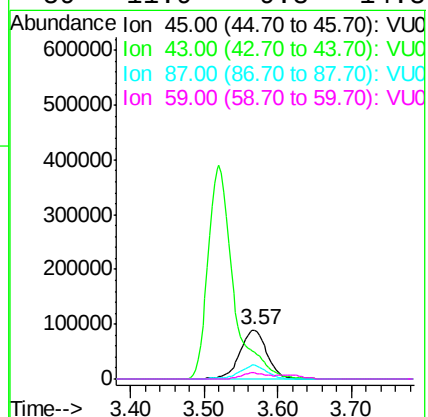
Ion Ratio Lower Upper

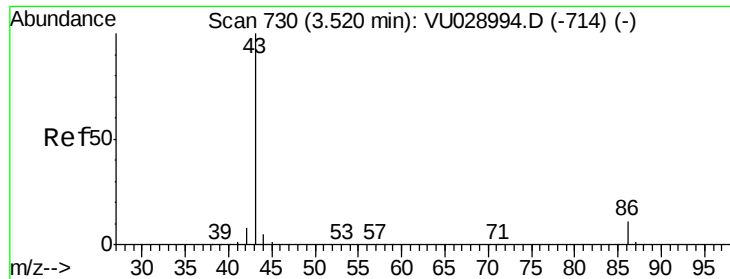
45 100

43 54.4 44.7 67.1

87 28.2 22.2 33.2

59 11.9 9.8 14.8





#23

Vinyl Acetate

Concen: 243.650 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tot Ion: 43 Resp: 933125

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

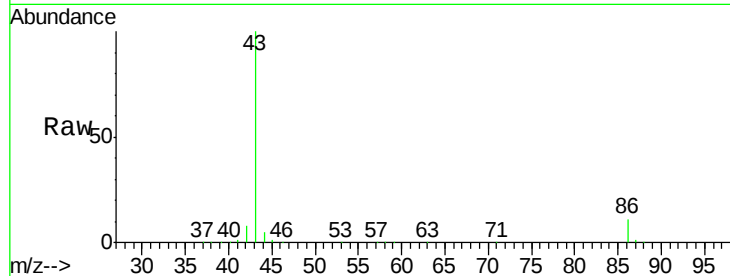
VSTDCCC050

Manual Integrations

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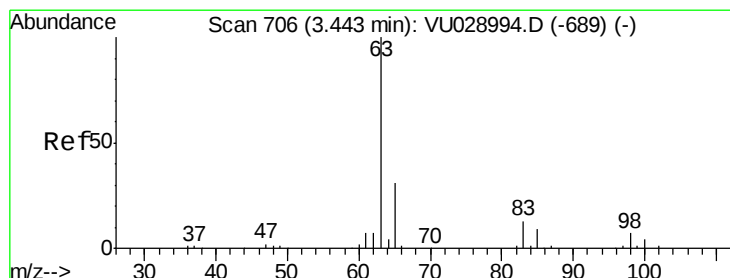
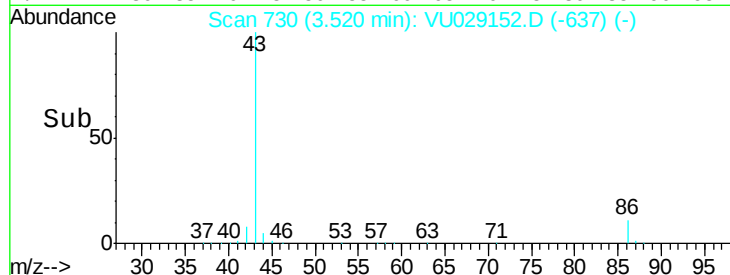
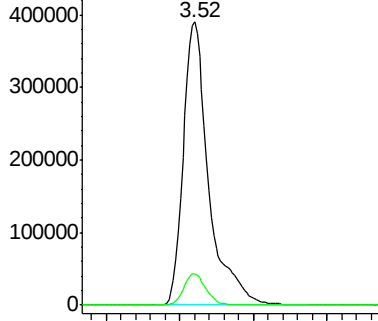
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.067 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

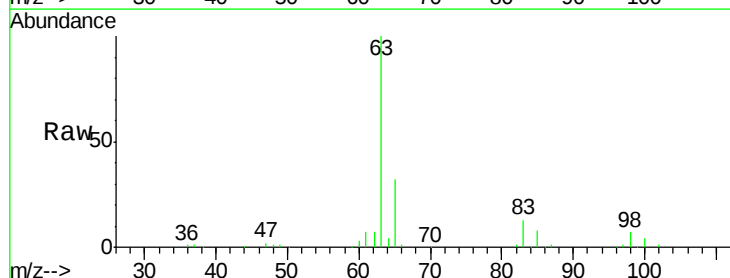
Tgt Ion: 63 Resp: 129991

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

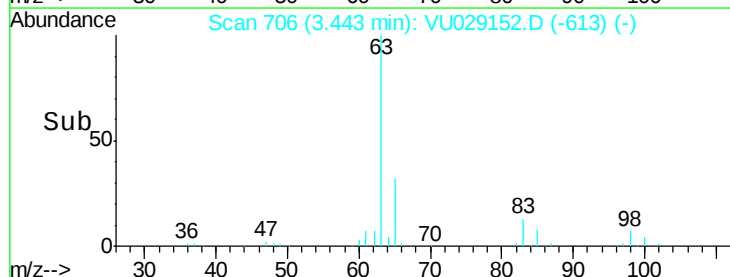
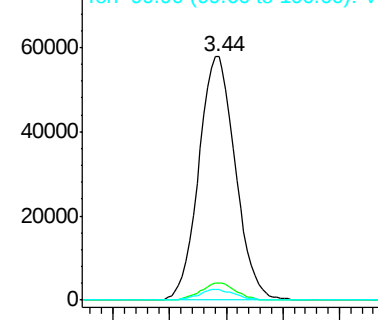
100 4.2 2.0 5.8

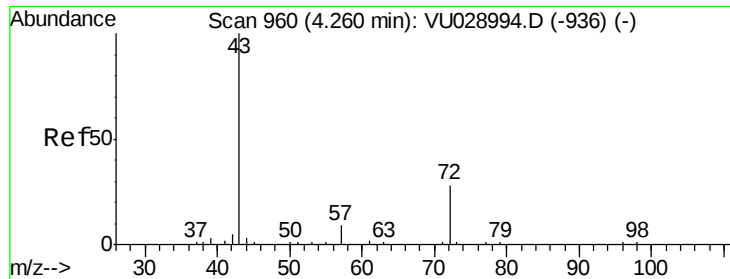


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 250.644 ug/l

RT: 4.25 min Scan# 958

Delta R.T. -0.01 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 328382

Ion Ratio Lower Upper

43 100

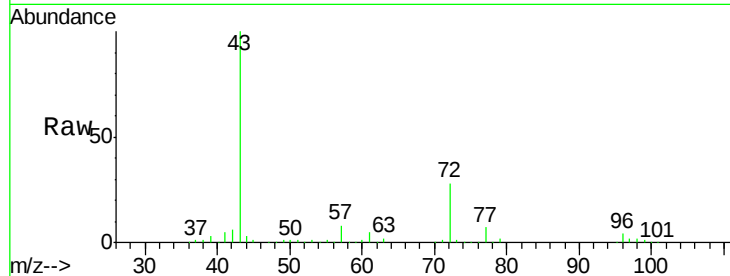
72 27.8 22.6 33.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

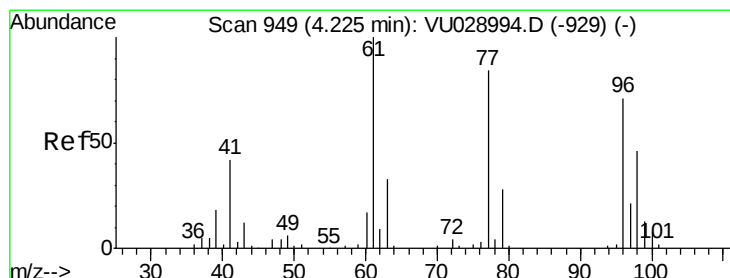
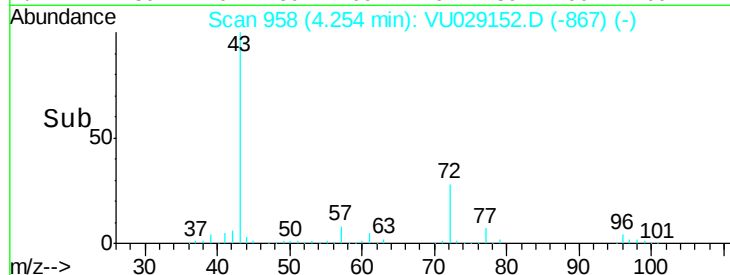
100000

50000

0

4.20 4.25 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 49.728 ug/l

RT: 4.22 min Scan# 948

Delta R.T. -0.00 min

Lab File: VU029152.D

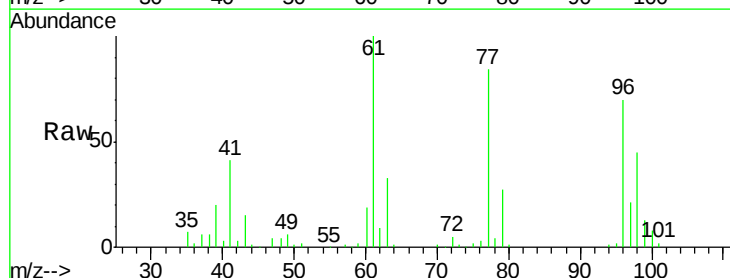
Acq: 14 Jan 2019 09:34

Tgt Ion: 77 Resp: 108665

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

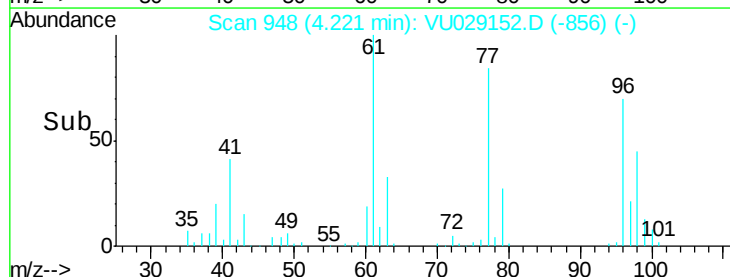
20000

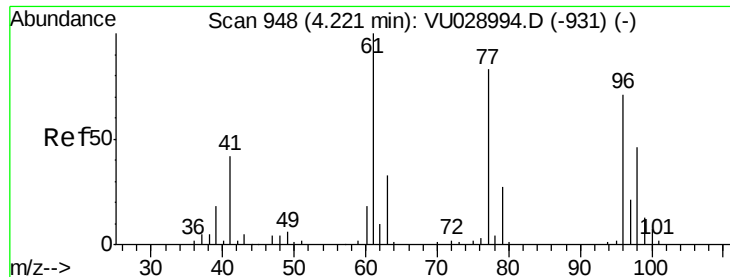
10000

0

4.10 4.20 4.30

Time-->





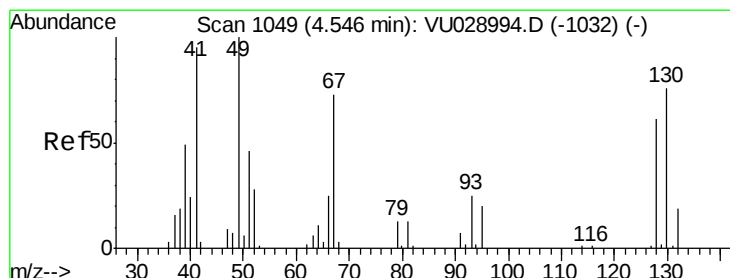
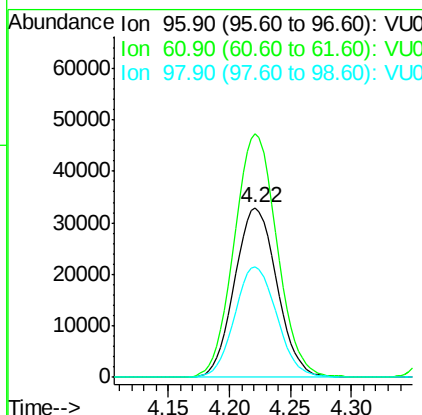
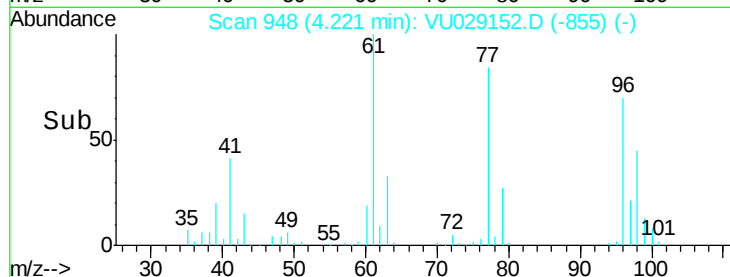
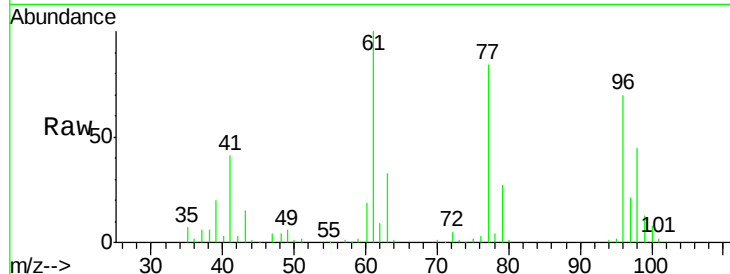
#27
 cis-1,2-Dichloroethene
 Concen: 48.331 ug/l
 RT: 4.22 min Scan# 948
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	285.6
98	64.9	0.0	130.2

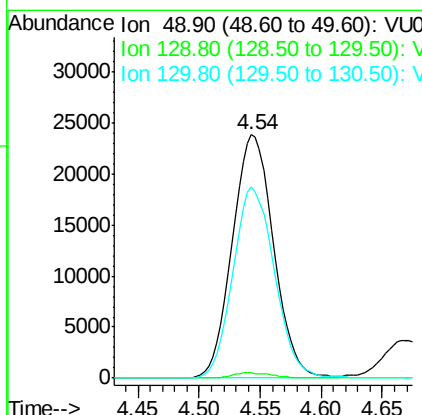
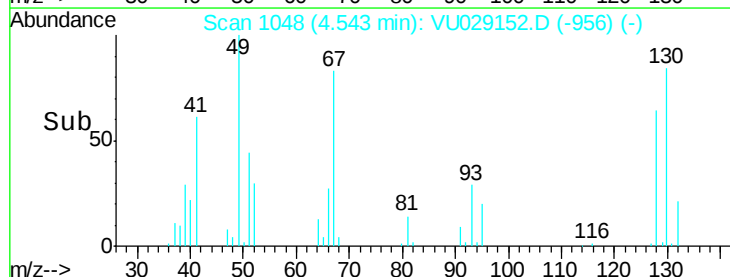
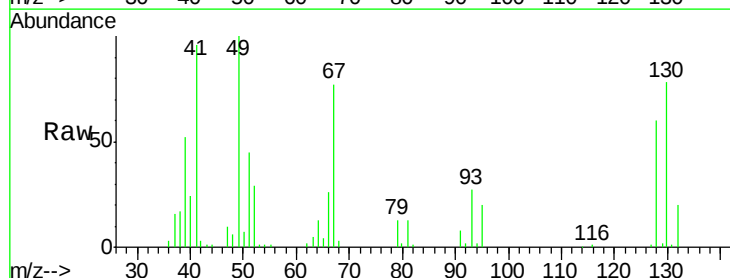
Manual Integrations
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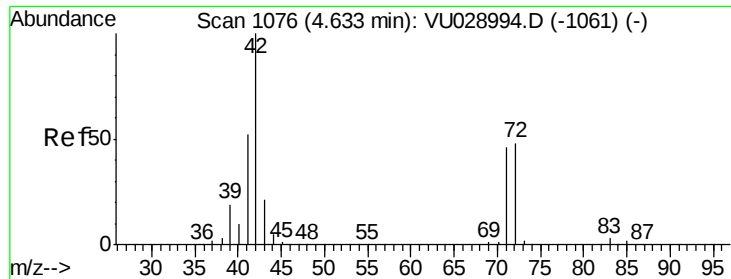
MMDadoda
 1/15/2019 11:29:29 AM



#28
 Bromochloromethane
 Concen: 48.352 ug/l
 RT: 4.54 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	79.0	62.9	94.3





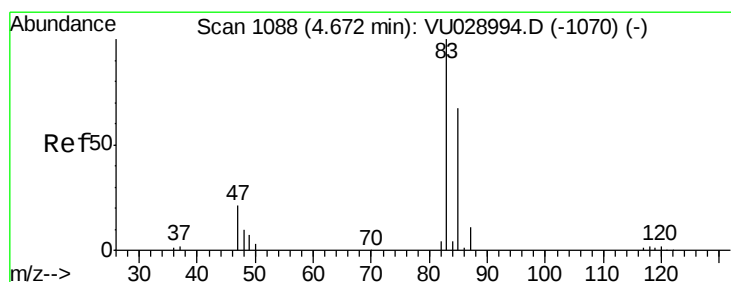
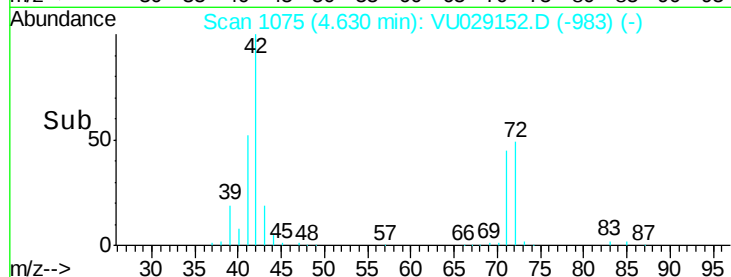
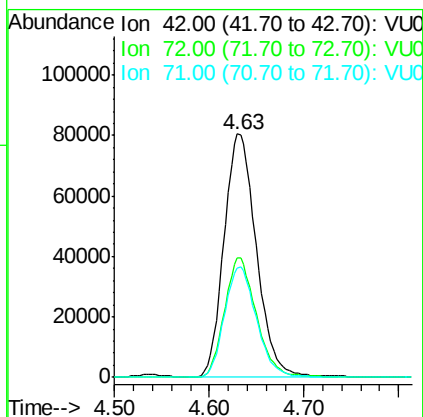
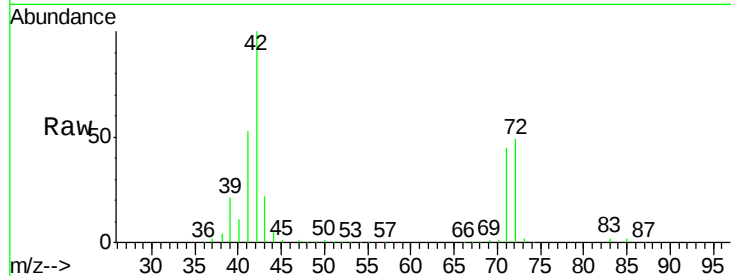
#29
Tetrahydrofuran
Concen: 241.156 ug/l
RT: 4.63 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	38.3	57.5
71	44.9	36.1	54.1

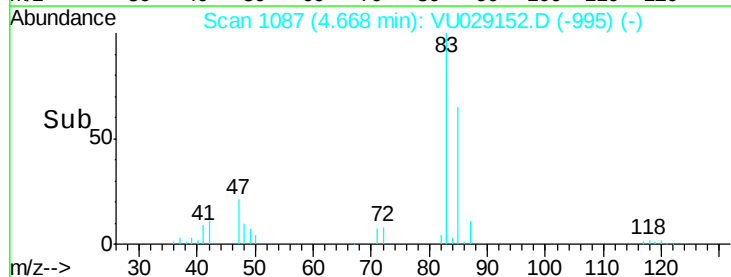
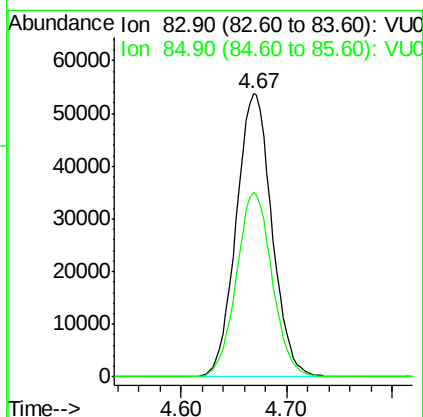
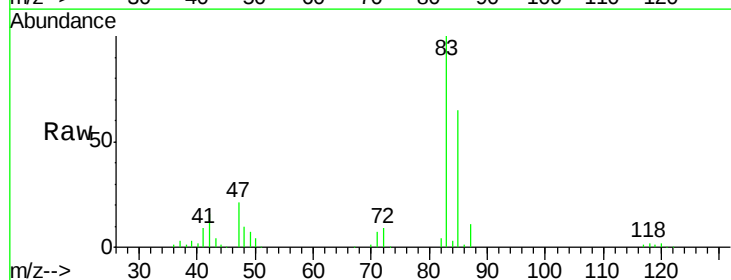
Manual Integrations
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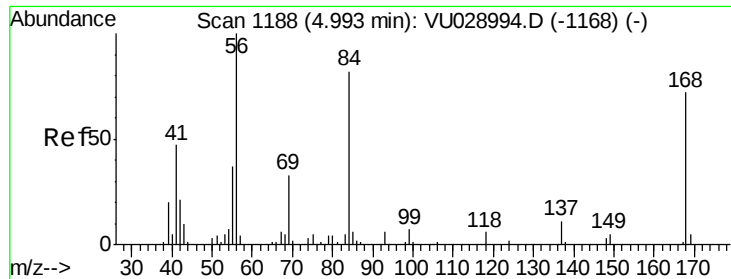
MMDadoda
1/15/2019 11:29:29 AM



#30
Chloroform
Concen: 49.070 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.4	80.0





#31

Cyclohexane

Concen: 46.956 ug/l

RT: 4.99 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 120047
Ion Ratio Lower Upper

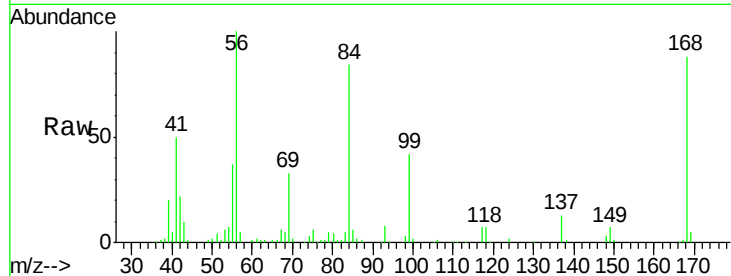
56 100

69 32.7 26.7 40.1

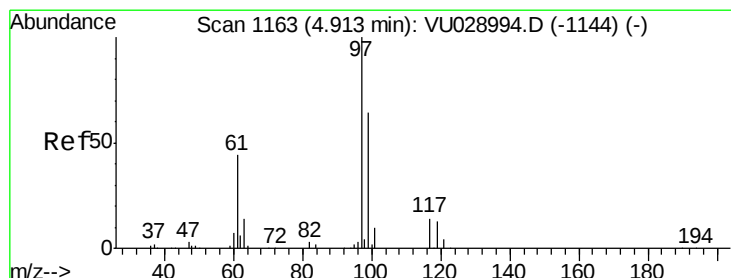
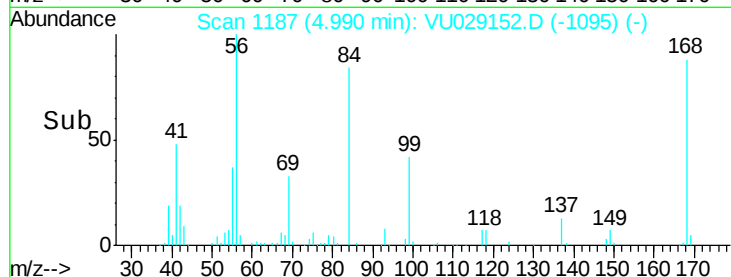
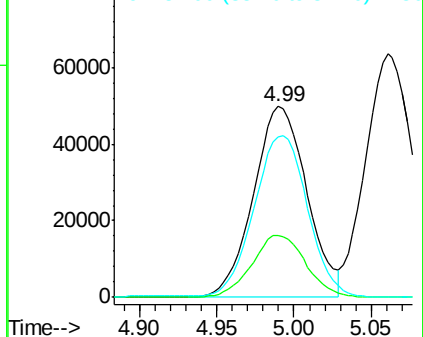
84 83.4 65.7 98.5

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Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#32

1,1,1-Trichloroethane

Concen: 48.837 ug/l

RT: 4.91 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VU029152.D

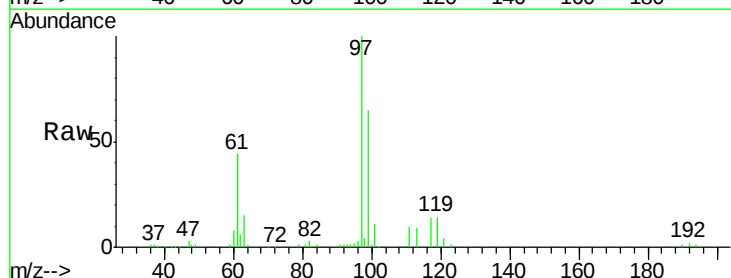
Acq: 14 Jan 2019 09:34

Tgt Ion: 97 Resp: 103942
Ion Ratio Lower Upper

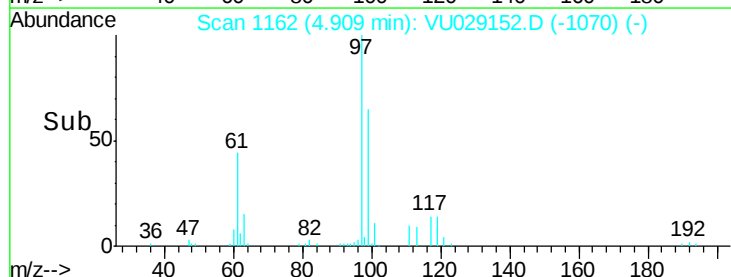
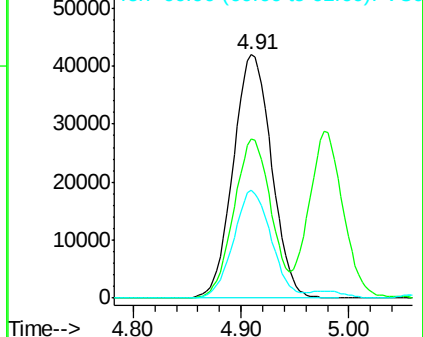
97 100

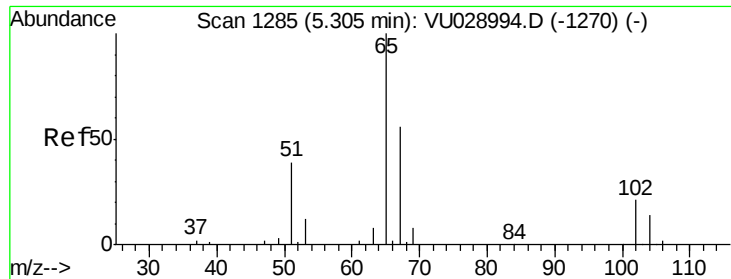
99 63.6 51.0 76.4

61 43.5 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VU0
Ion 98.90 (98.60 to 99.60): VU0
Ion 60.90 (60.60 to 61.60): VU0





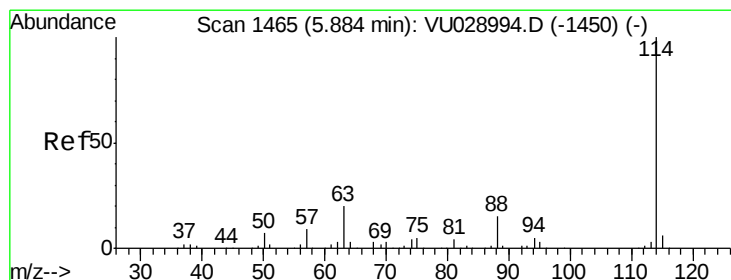
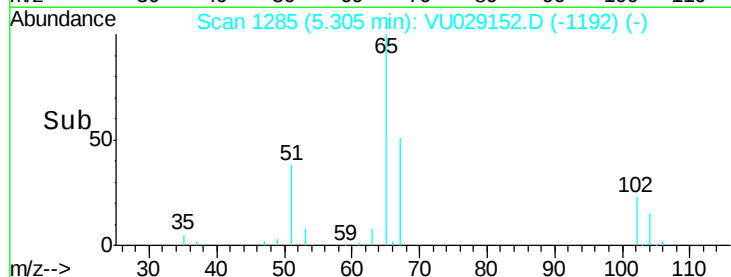
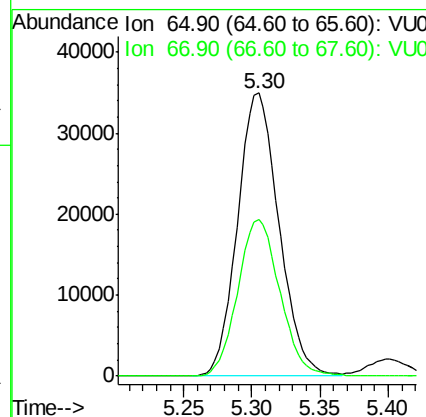
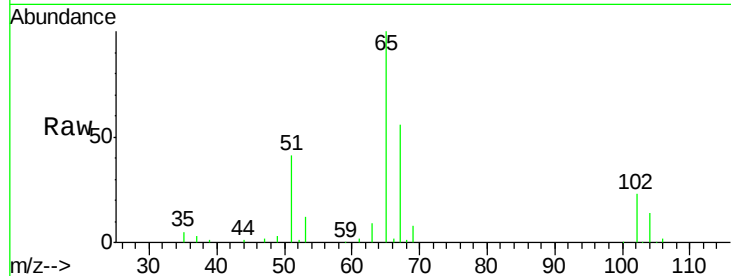
#33
 1,2-Dichloroethane-d4
 Concen: 47.883 ug/l
 RT: 5.30 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.3	0.0	111.0

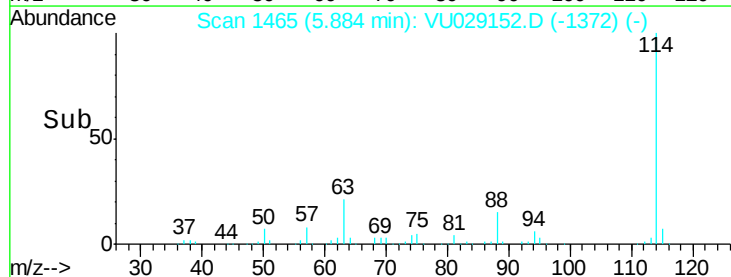
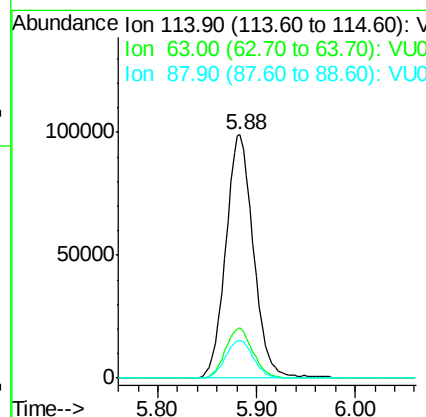
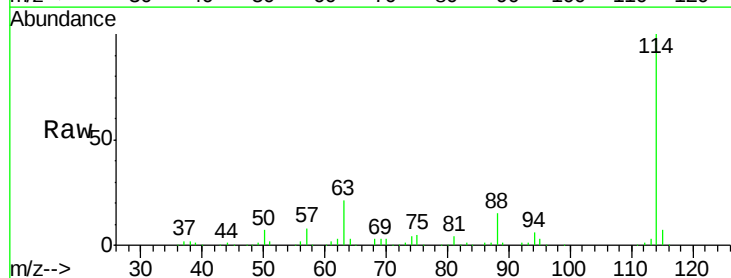
Manual Integrations
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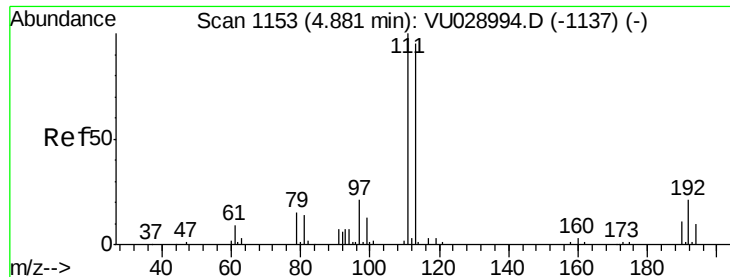
MMDadoda
 1/15/2019 11:29:29 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.5	0.0	30.4





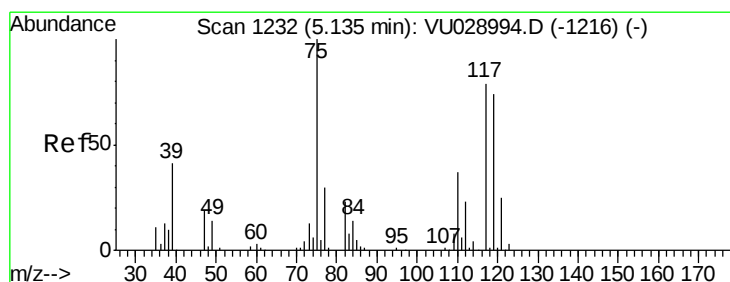
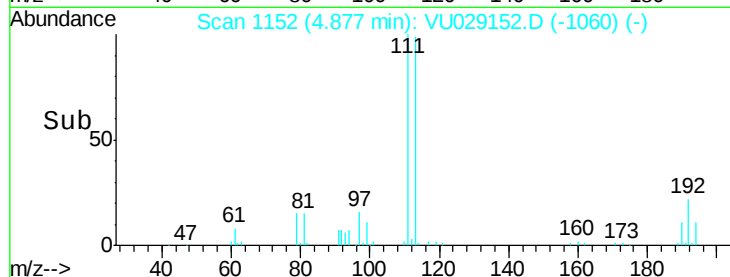
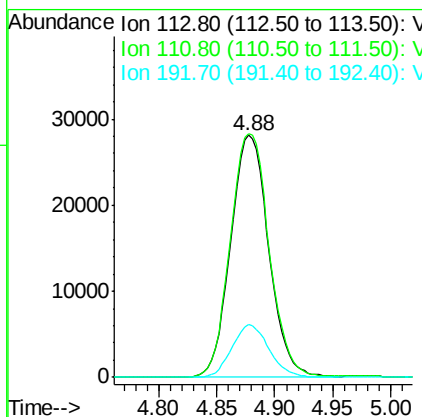
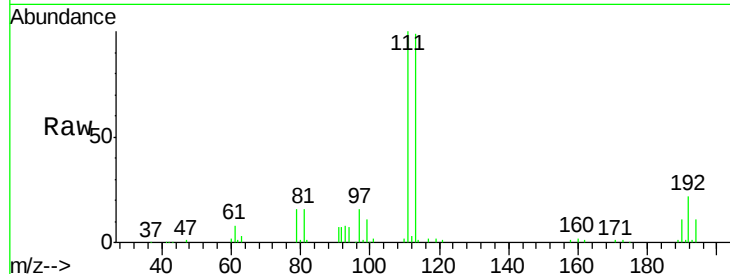
#35
 Dibromofluoromethane
 Concen: 50.566 ug/l
 RT: 4.88 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	64012		
111	102.8	81.4	122.2	
192	21.1	16.8	25.2	

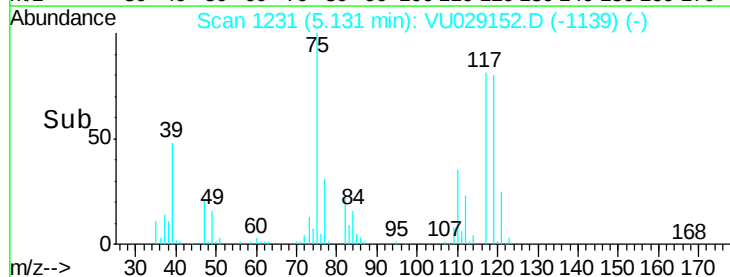
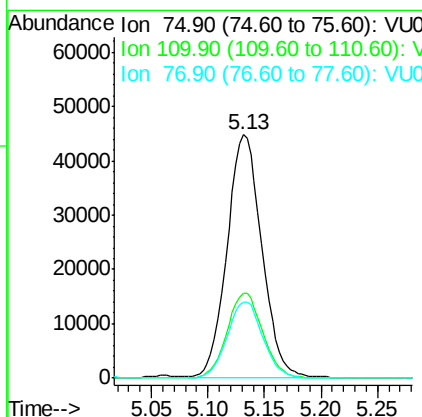
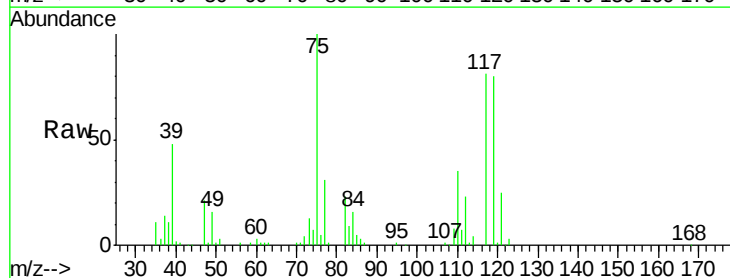
Manual Integrations
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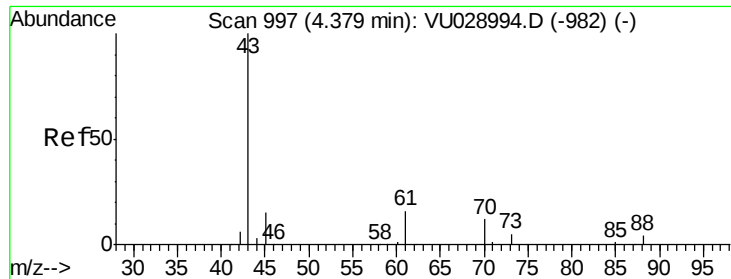
MMDadoda
 1/15/2019 11:29:29 AM



#36
 1,1-Dichloropropene
 Concen: 48.917 ug/l
 RT: 5.13 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95486		
110	36.0	18.4	55.4	
77	32.3	25.1	37.7	





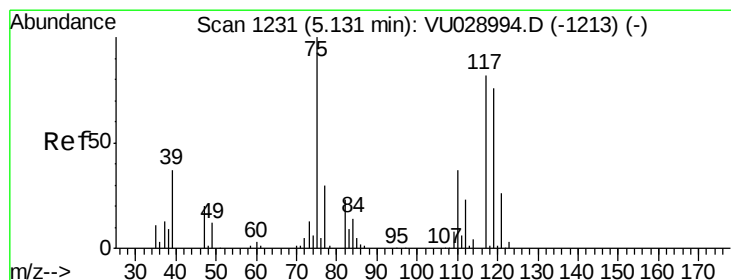
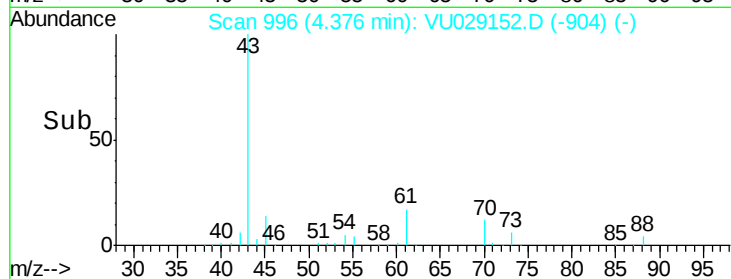
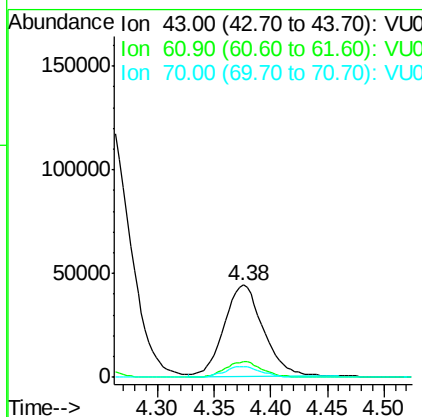
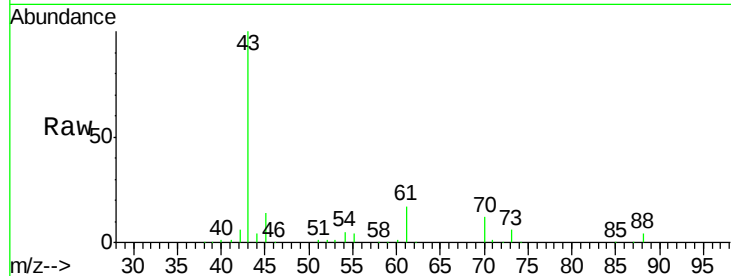
#37
Ethyl Acetate
Concen: 49.702 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	12.6	18.8
70	11.2	9.3	13.9

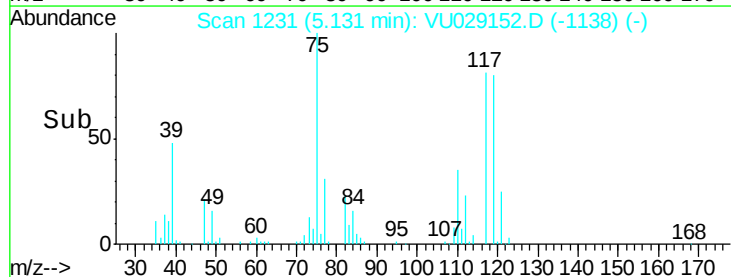
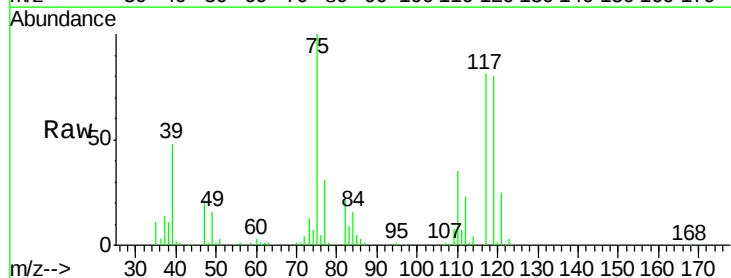
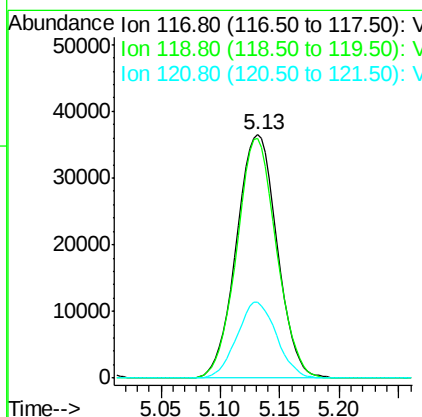
Manual Integrations
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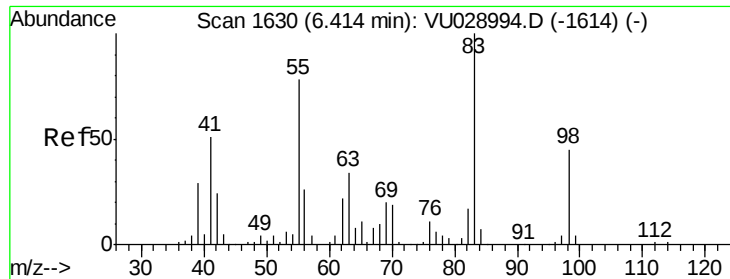
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.019 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	74.6	111.8
121	31.0	25.0	37.6





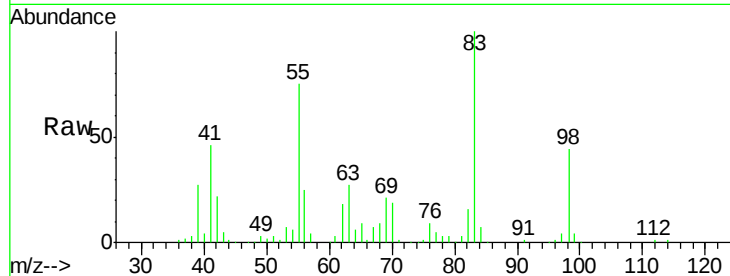
#39
Methvlcvclohexane
Concen: 50.862 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

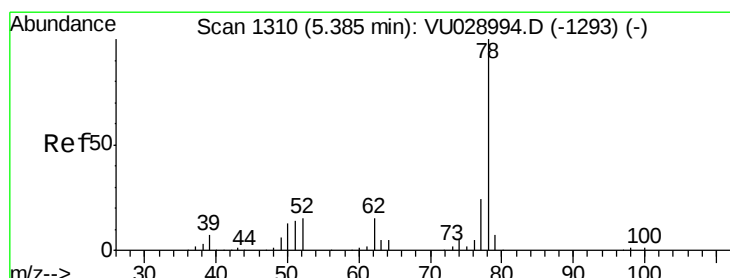
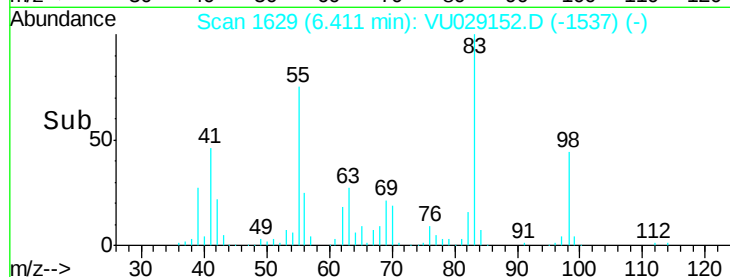
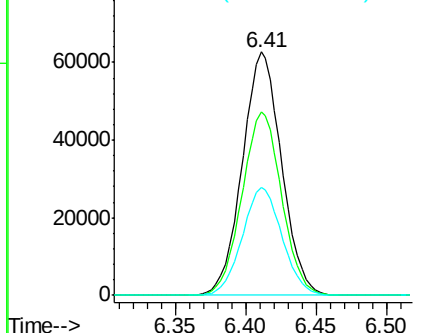
Tot Ion	Ratio	Resp	Lower	Upper
83	100	122056		
55	75.2	62.4	93.6	
98	44.4	36.2	54.2	

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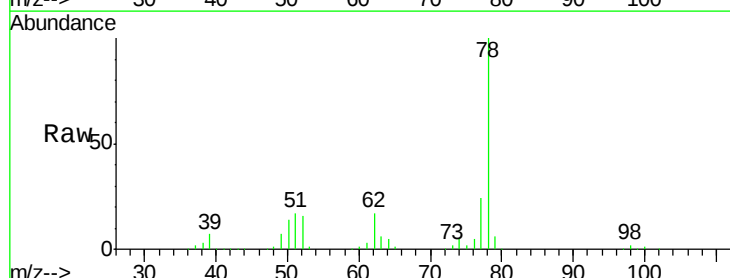


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

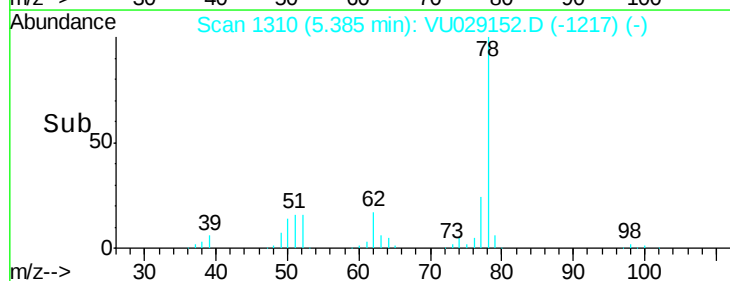
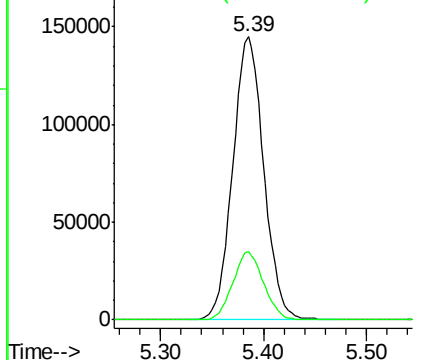


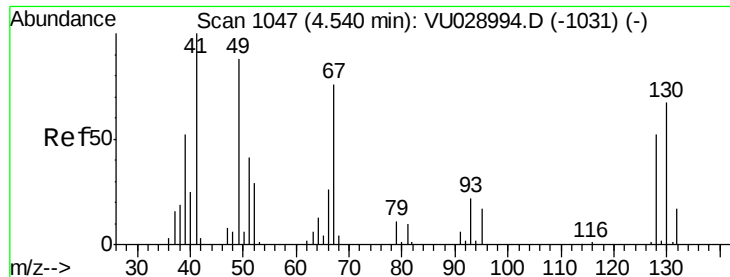
#40
Benzene
Concen: 49.726 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	302773		
77	24.0	18.9	28.3	



Abundance Ion 78.00 (77.70 to 78.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#41

Methacrylonitrile

Concen: 51.528 ug/l

RT: 4.54 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 59098

Ion Ratio Lower Upper

41 100

39 53.5 42.3 63.5

67 81.5 64.4 96.6

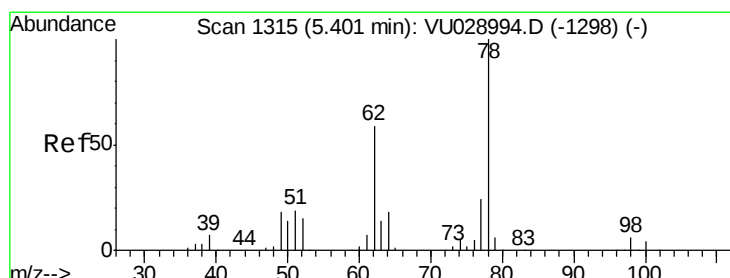
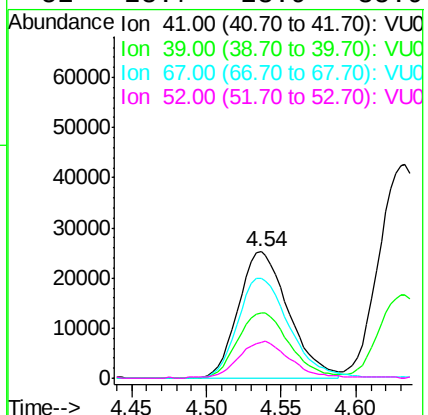
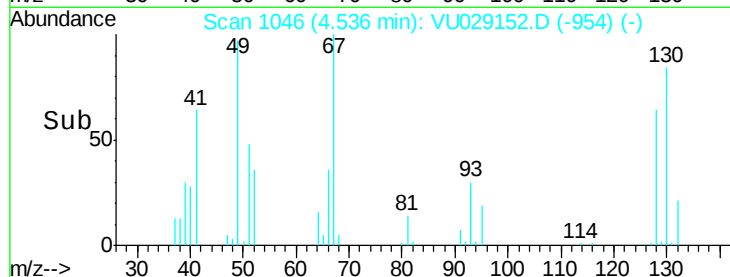
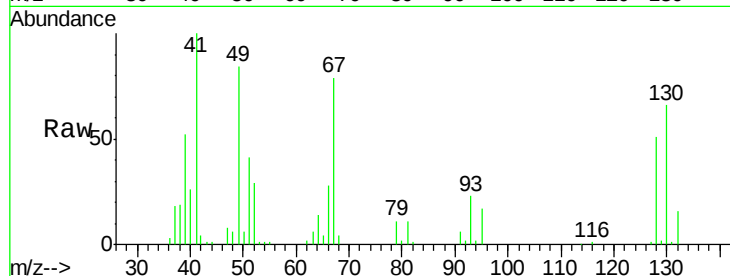
52 28.7 23.9 35.9

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#42

1,2-Dichloroethane

Concen: 51.452 ug/l

RT: 5.40 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU029152.D

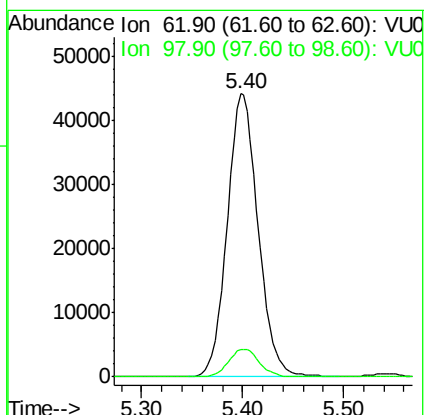
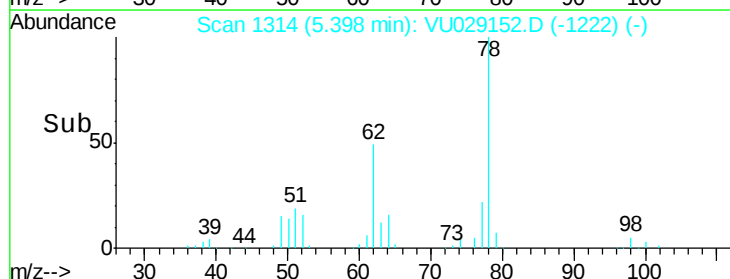
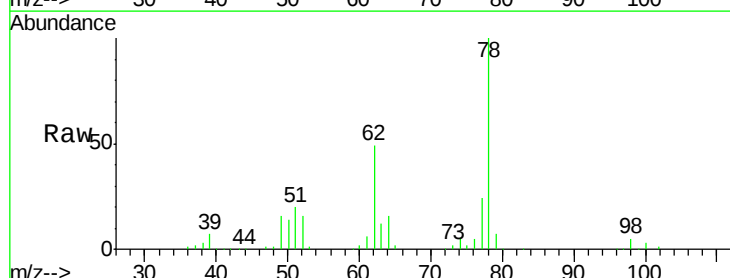
Acq: 14 Jan 2019 09:34

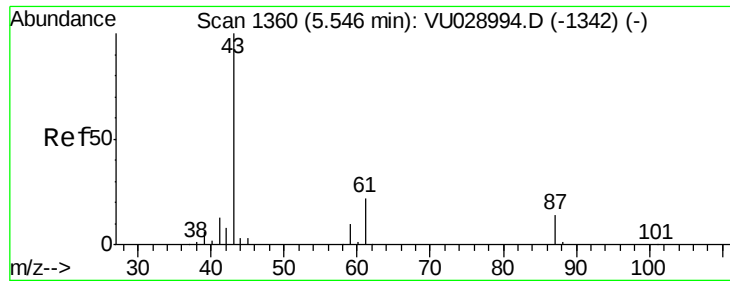
Tgt Ion: 62 Resp: 94138

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.6





#43

Isopropyl Acetate

Concen: 51.655 ug/l

RT: 5.54 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

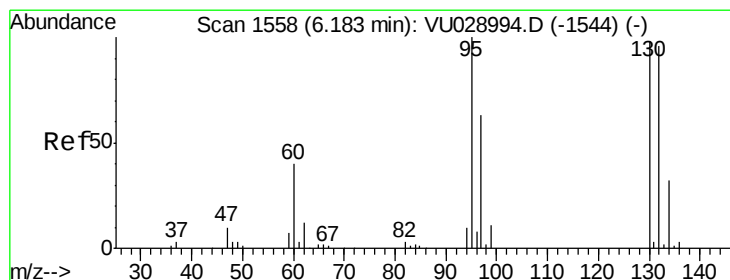
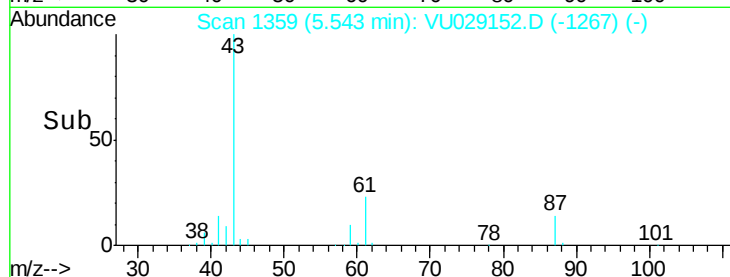
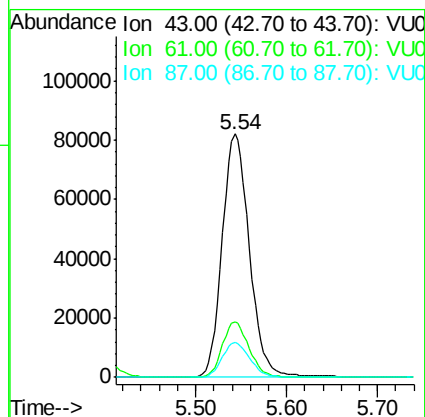
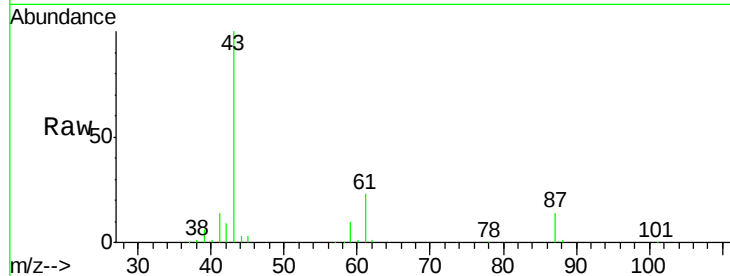
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	169779
Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.8	26.6
87	14.5	11.3	16.9

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#44

Trichloroethene

Concen: 50.669 ug/l

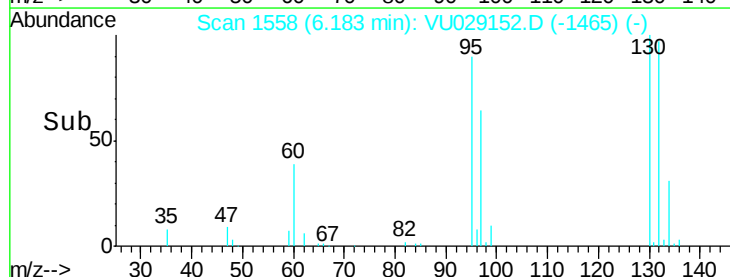
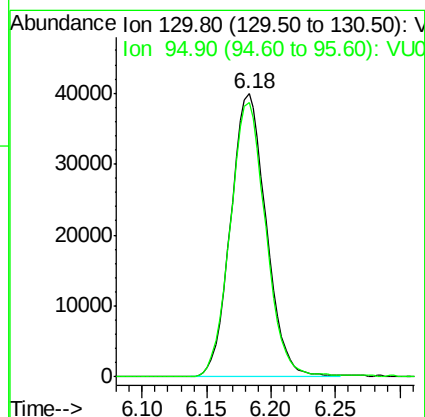
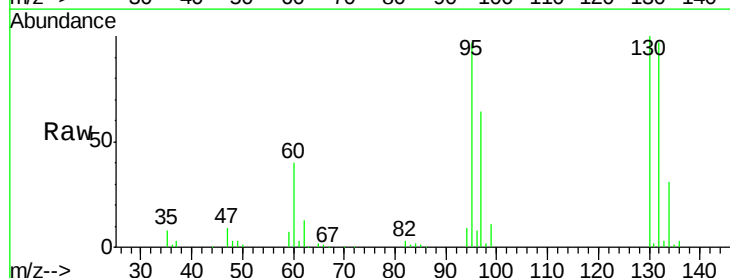
RT: 6.18 min Scan# 1558

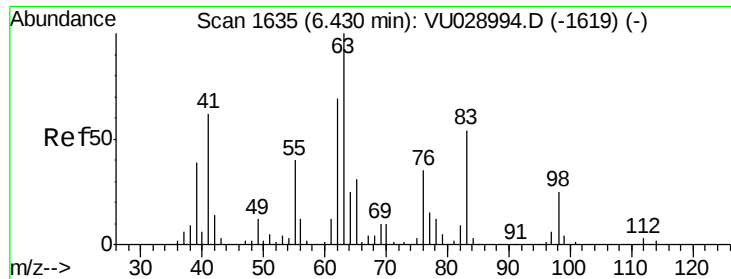
Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion:	130	Resp:	76441
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	205.0





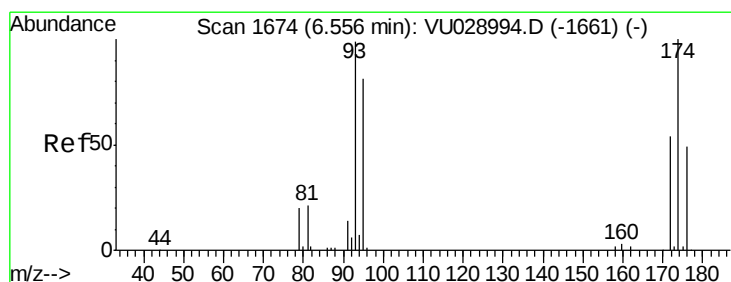
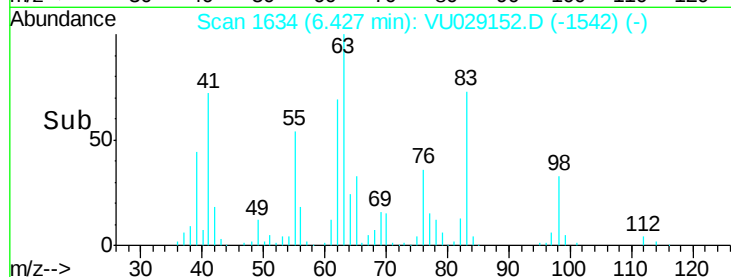
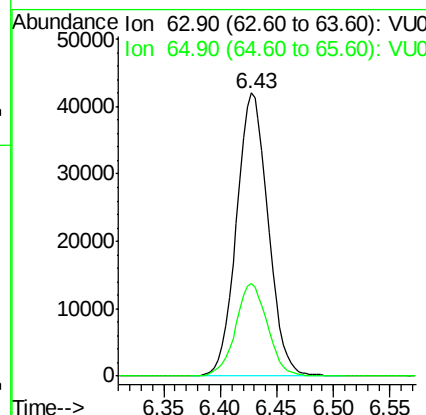
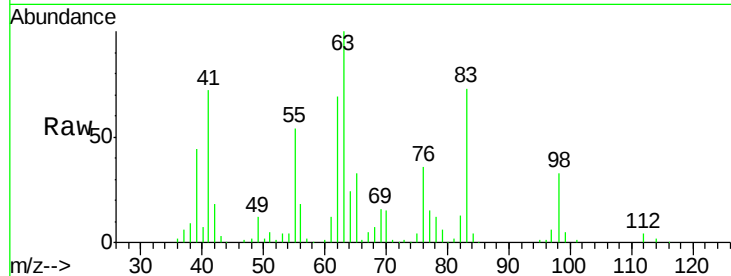
#45
 1,2-Dichloropropane
 Concen: 50.855 ug/l
 RT: 6.43 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 81772
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.1 37.7

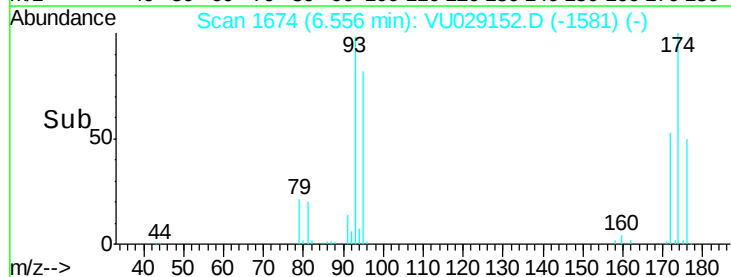
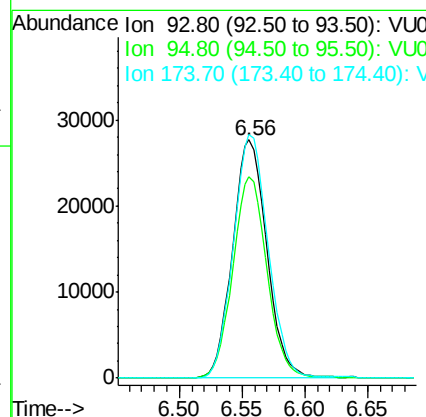
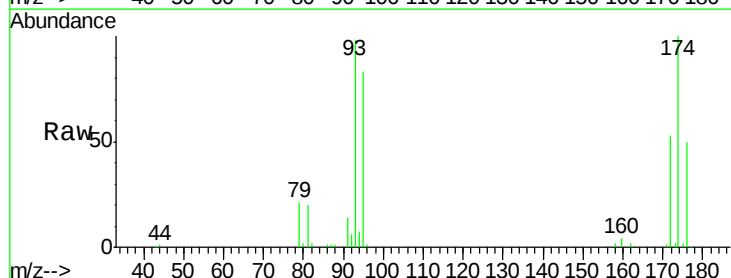
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#46
 Dibromomethane
 Concen: 51.138 ug/l
 RT: 6.56 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion: 93 Resp: 52564
 Ion Ratio Lower Upper
 93 100
 95 84.1 67.2 100.8
 174 103.5 82.6 123.8





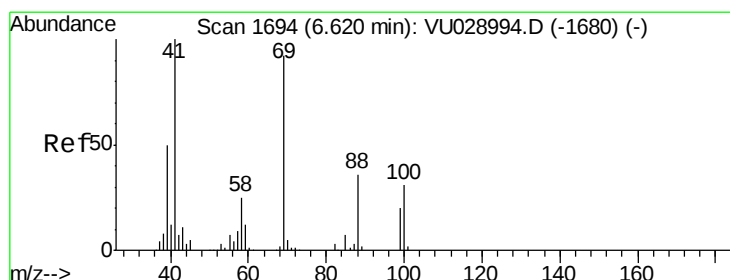
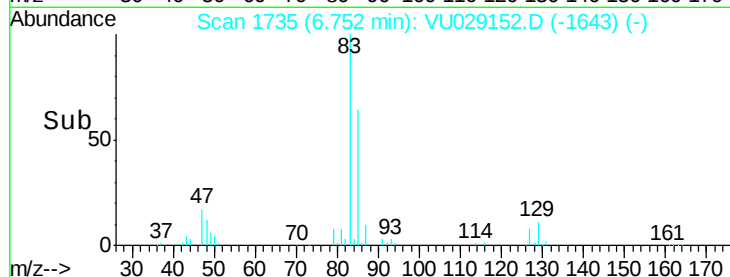
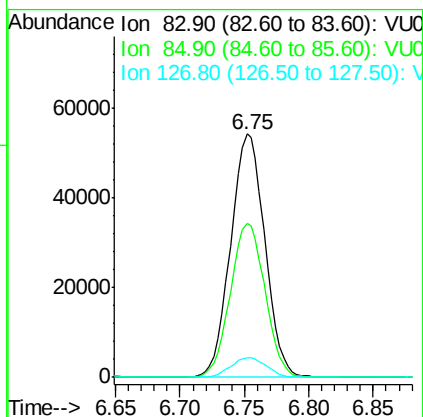
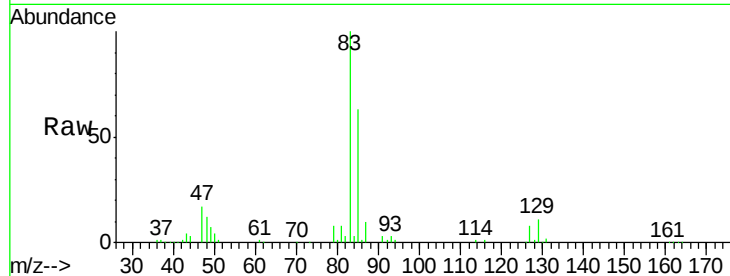
#47
Bromodichloromethane
Concen: 52.697 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	99731
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	51.4	77.2
127	8.1	7.0	10.4

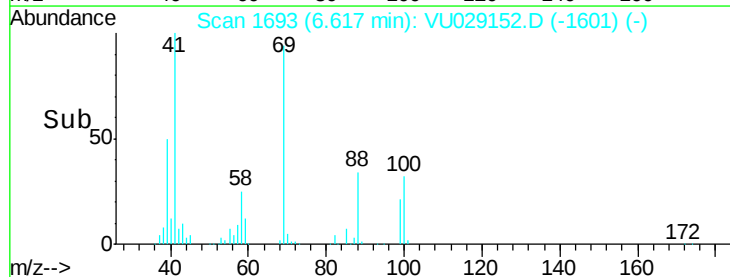
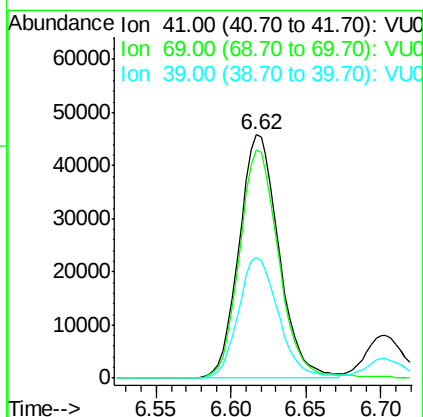
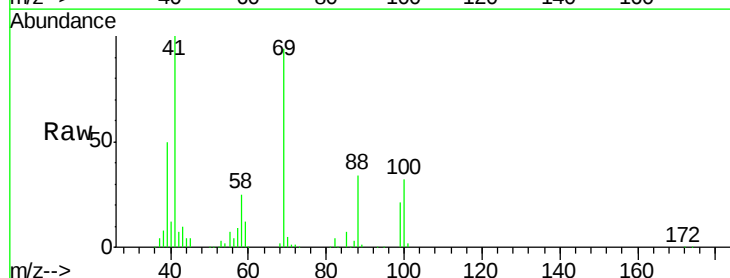
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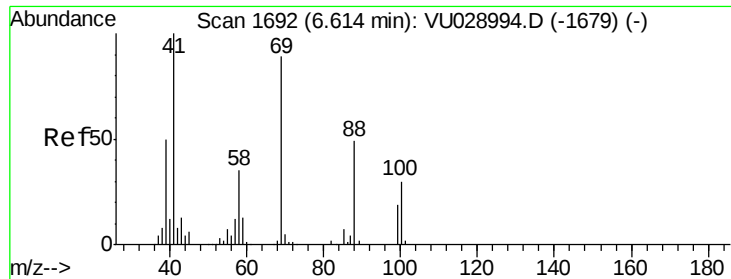
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#48
Methyl methacrylate
Concen: 52.974 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	41	Resp	84781
Ion Ratio	100	Lower	Upper
41	100		
69	92.6	73.6	110.4
39	49.8	39.6	59.4





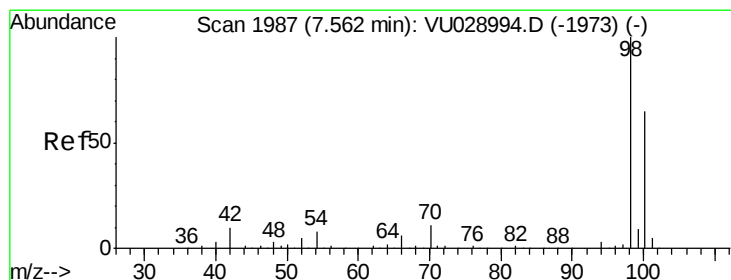
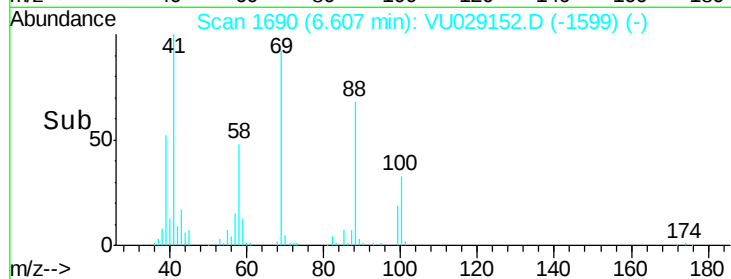
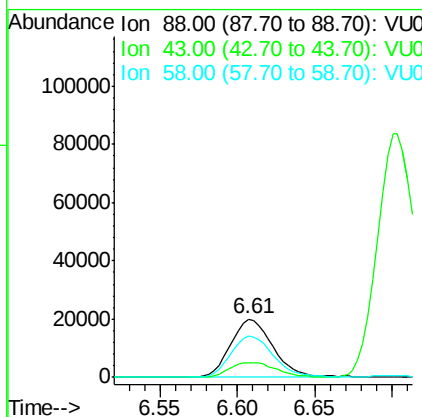
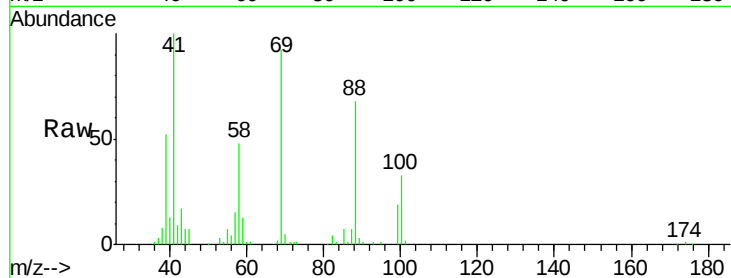
#49
1,4-Dioxane
Concen: 999.615 ug/l
RT: 6.61 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.0	34.4
58	72.4	57.9	86.9

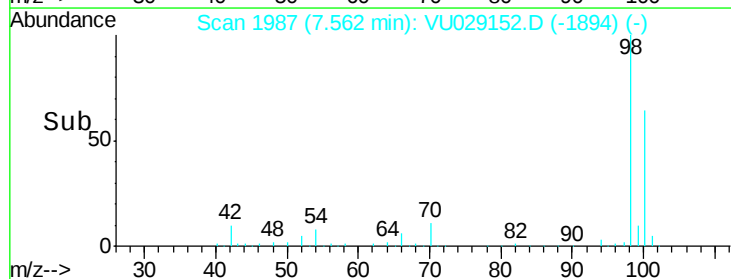
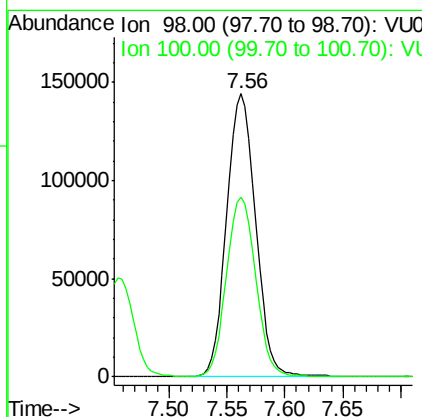
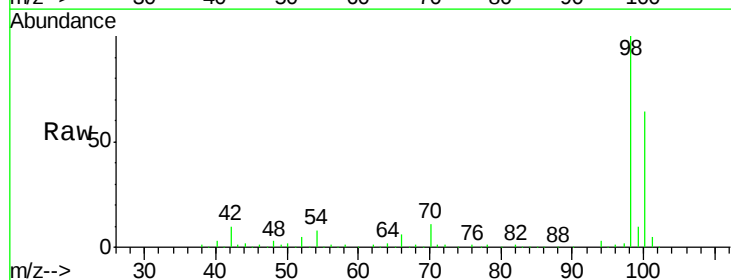
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#50
Toluene-d8
Concen: 49.996 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 254.039 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 568248

Ion Ratio Lower Upper

43 100

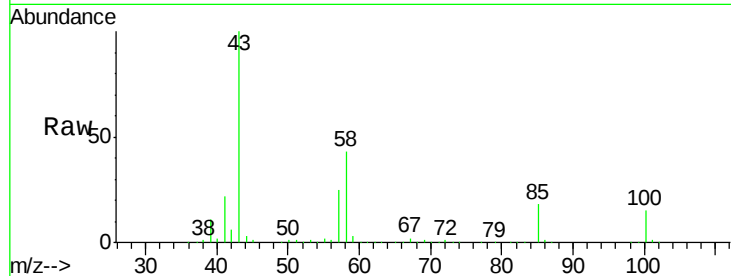
58 42.8 33.9 50.9

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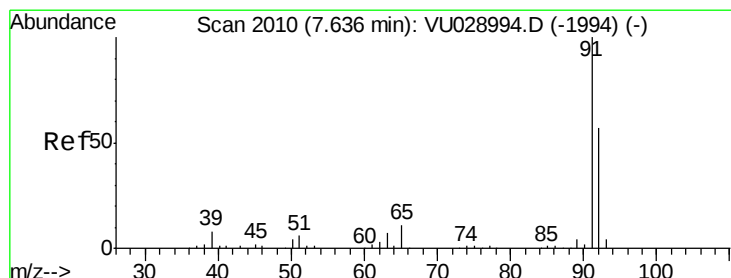
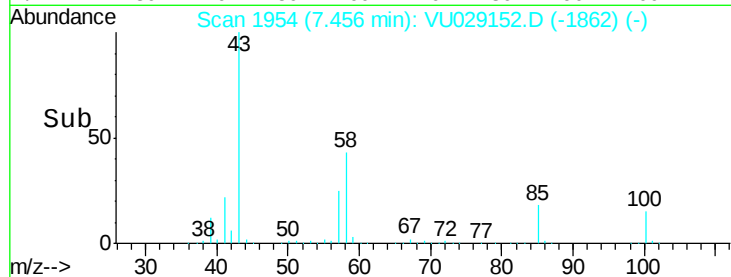
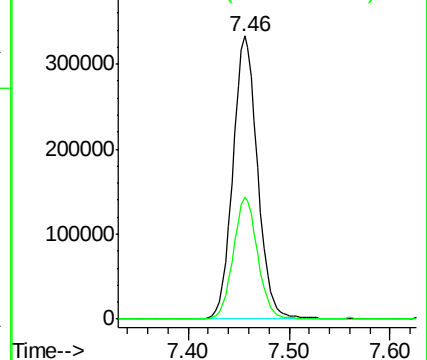
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.834 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029152.D

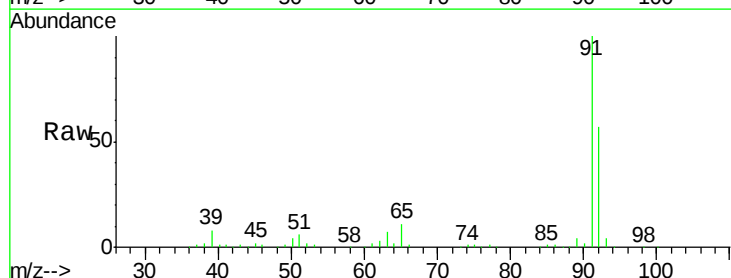
Acq: 14 Jan 2019 09:34

Tgt Ion: 92 Resp: 188427

Ion Ratio Lower Upper

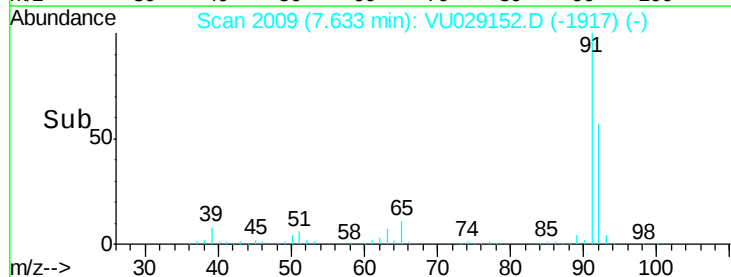
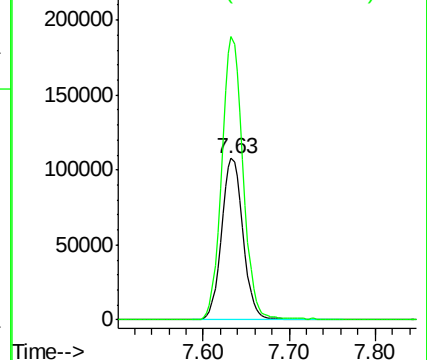
92 100

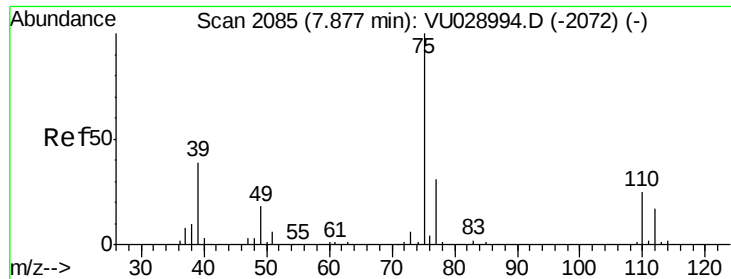
91 173.0 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 51.050 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 116059

Ion Ratio Lower Upper

75 100

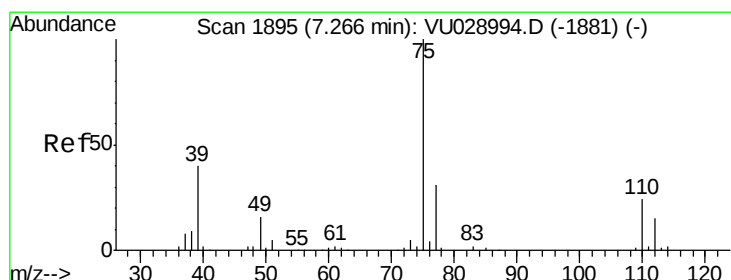
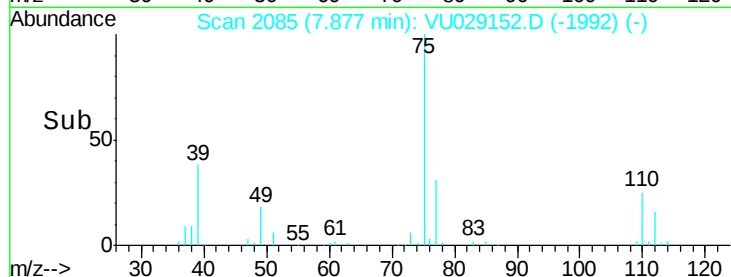
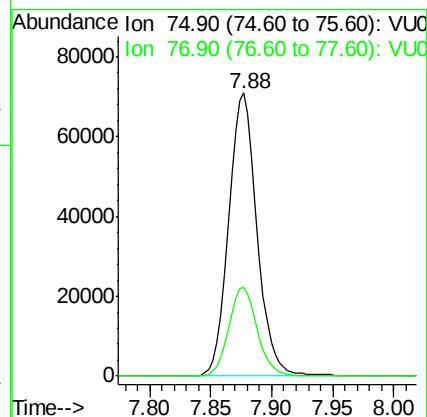
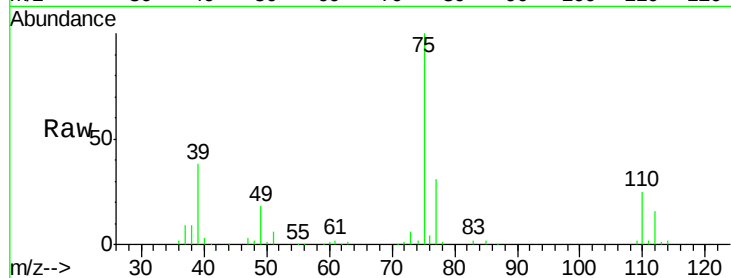
77 31.3 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 51.891 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

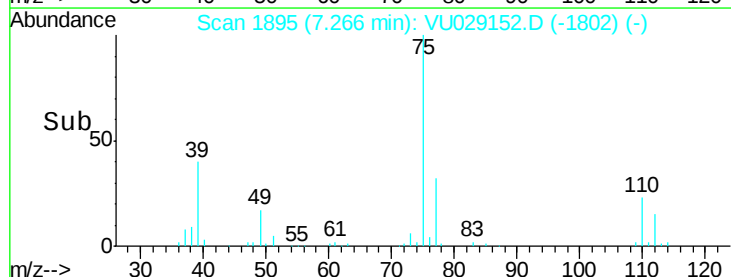
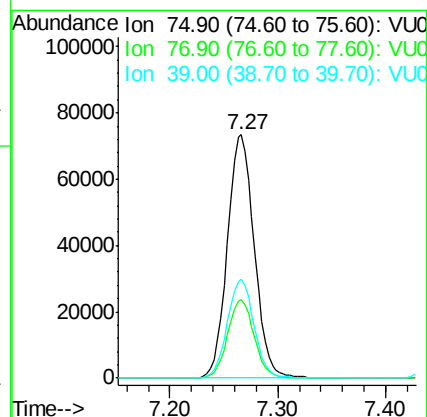
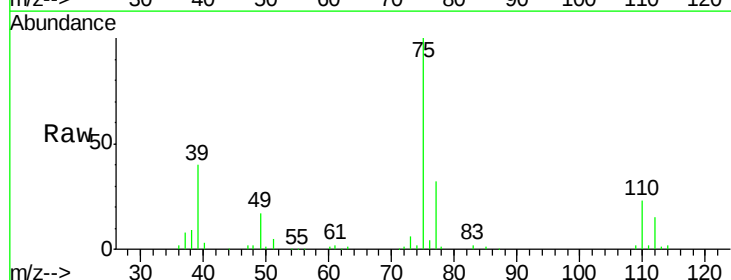
Tgt Ion: 75 Resp: 127473

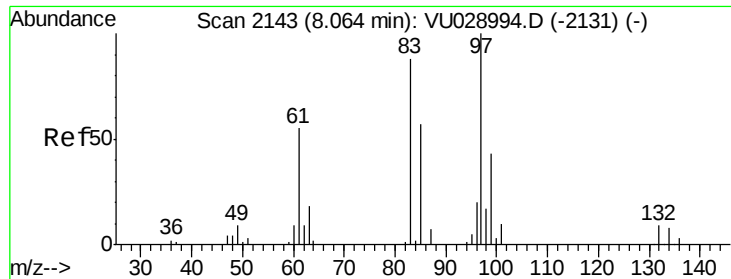
Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6

39 40.4 32.2 48.4





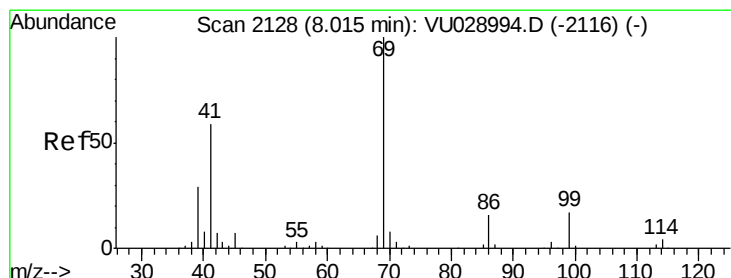
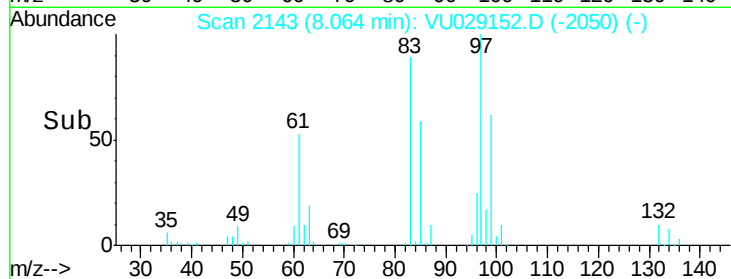
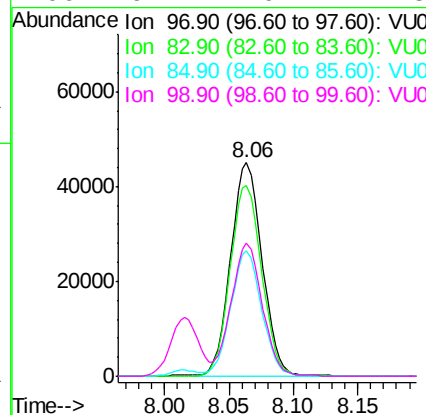
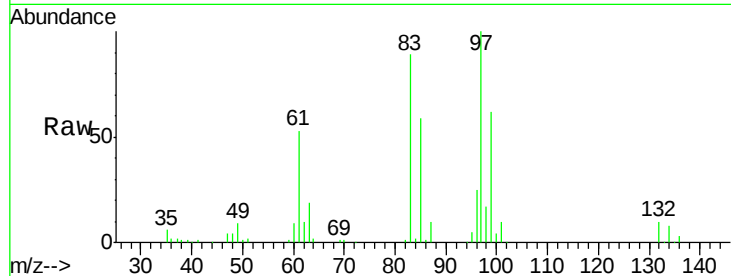
#55
 1,1,2-Trichloroethane
 Concen: 51.473 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	76435
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.8	104.8
85	58.6	47.3	70.9
99	62.2	49.7	74.5

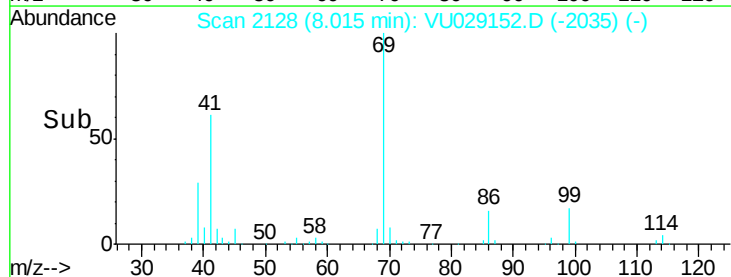
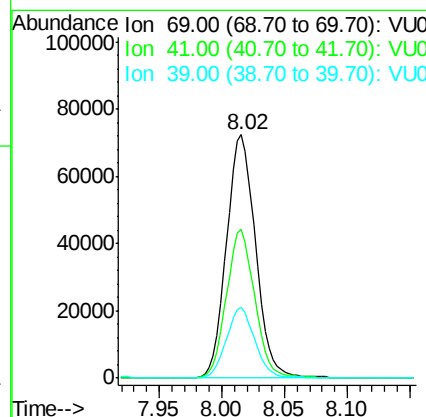
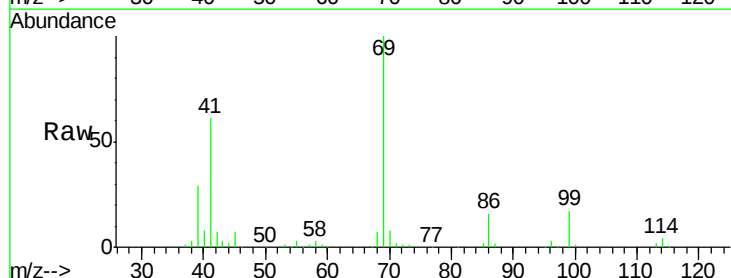
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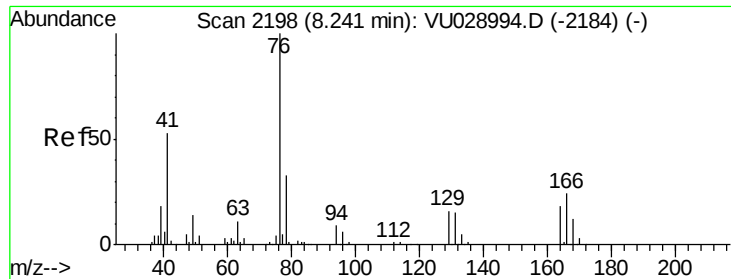
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#56
 Ethyl methacrylate
 Concen: 51.141 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion:	69	Resp:	116998
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.5	71.3
39	28.7	22.5	33.7





#57

1,3-Dichloropropane

Concen: 51.466 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 130773

Ion Ratio Lower Upper

76 100

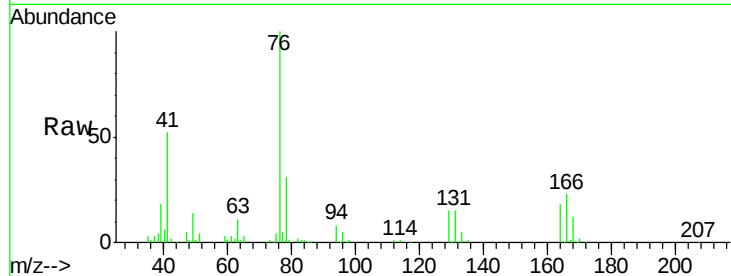
78 32.2 26.0 39.0

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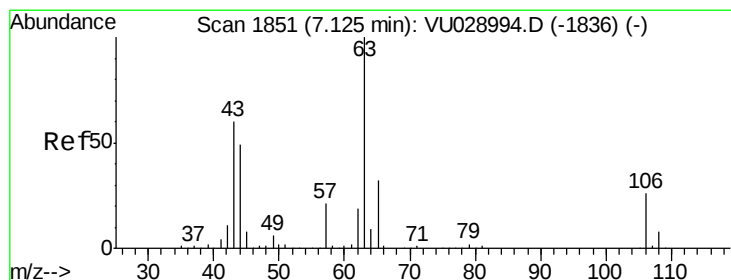
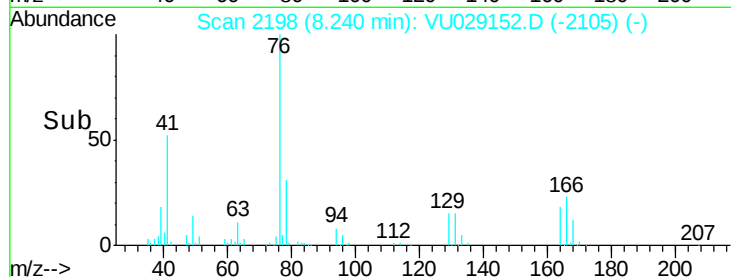
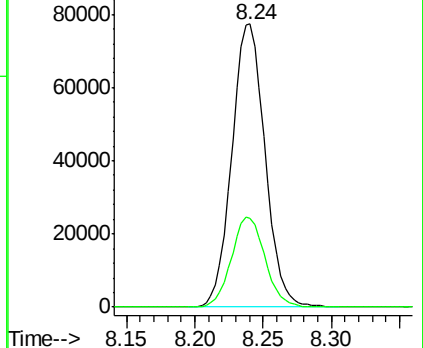
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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 238.602 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU029152.D

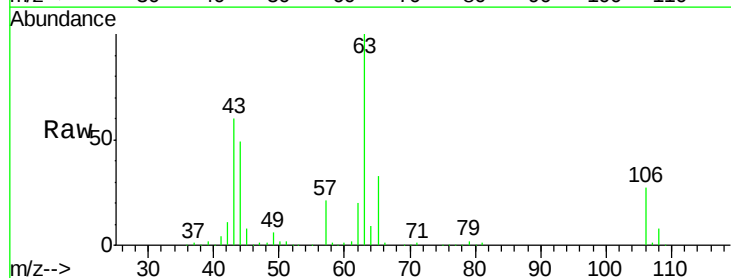
Acq: 14 Jan 2019 09:34

Tgt Ion: 63 Resp: 240060

Ion Ratio Lower Upper

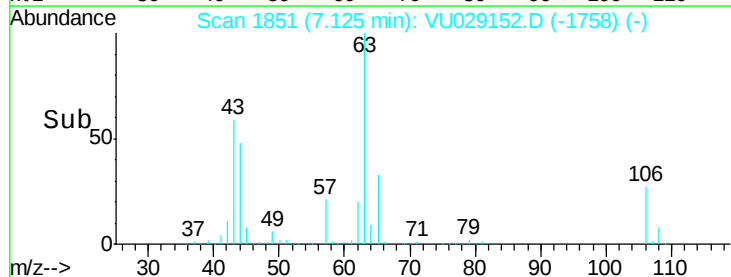
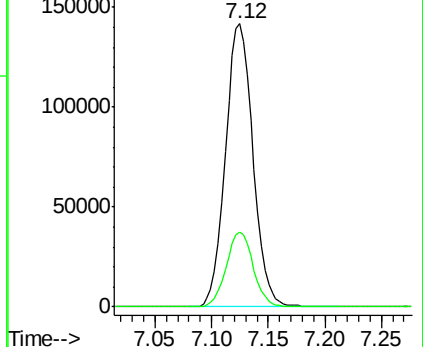
63 100

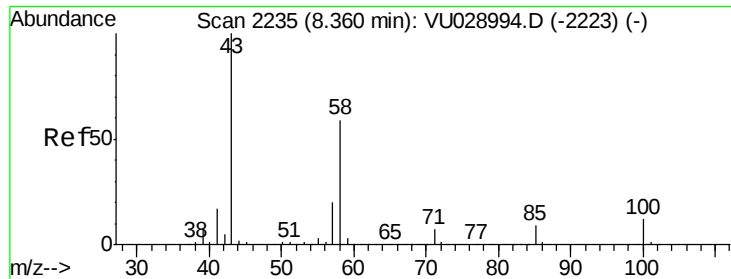
106 26.0 20.6 31.0



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





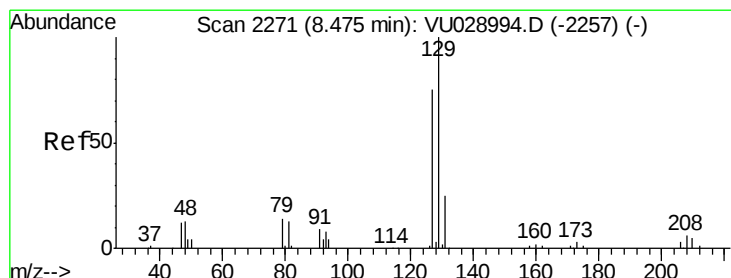
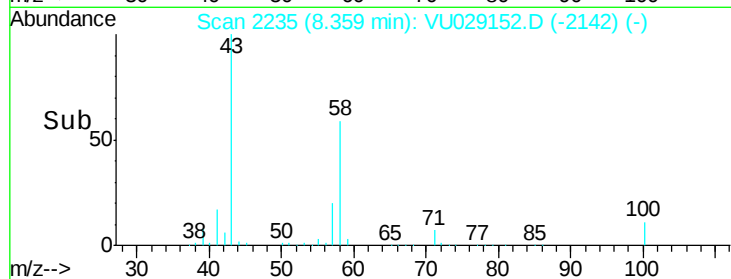
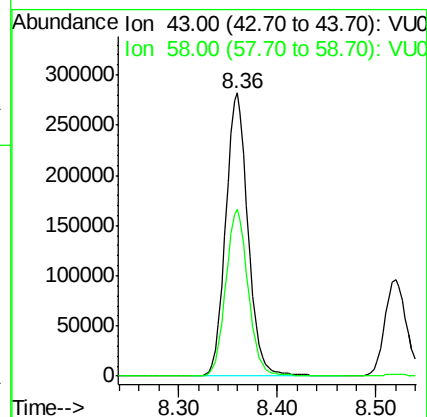
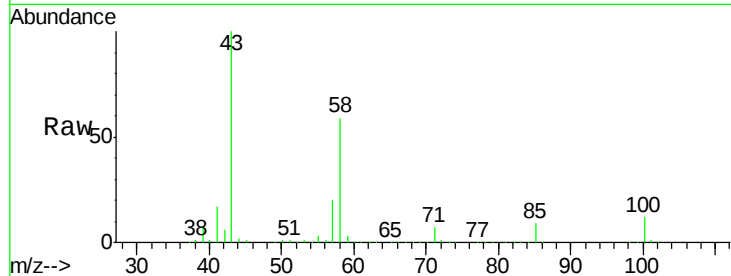
#59
2-Hexanone
Concen: 256.403 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 450205
Ion Ratio Lower Upper
43 100
58 59.5 29.8 89.4

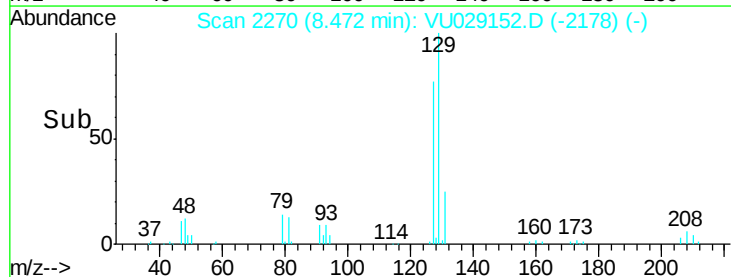
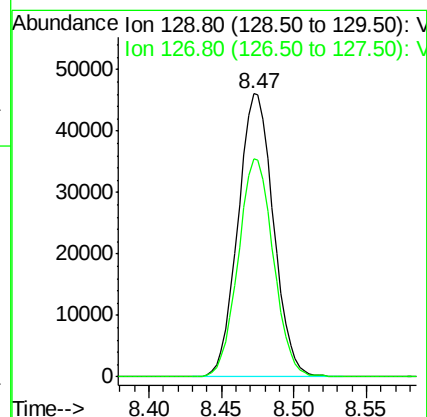
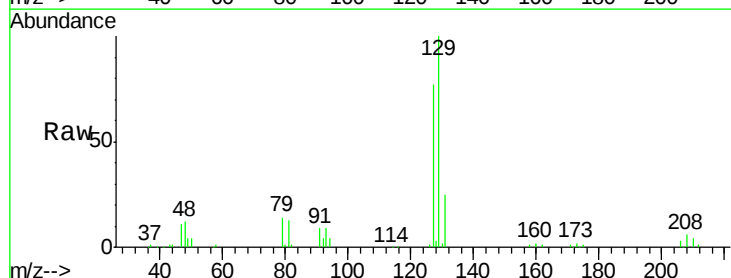
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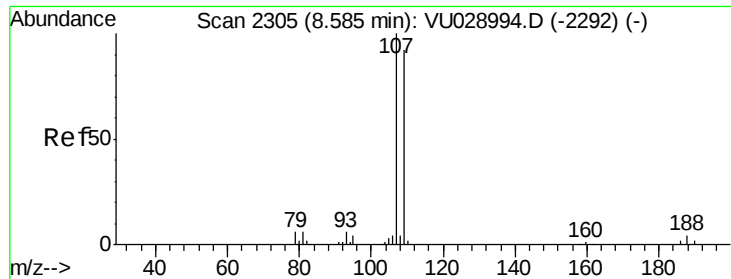
MMDadoda
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#60
Dibromochloromethane
Concen: 53.376 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion: 129 Resp: 78526
Ion Ratio Lower Upper
129 100
127 76.3 38.0 114.0





#61

1,2-Dibromoethane

Concen: 50.937 ug/l

RT: 8.58 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 82036

Ion Ratio Lower Upper

107 100

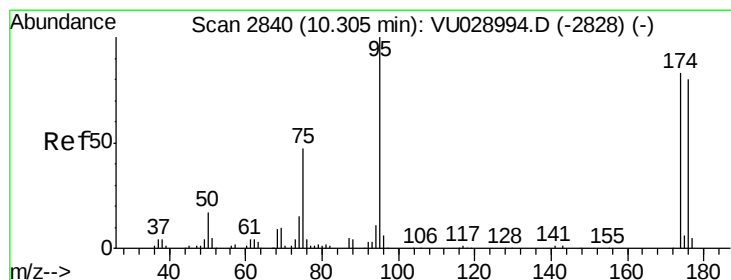
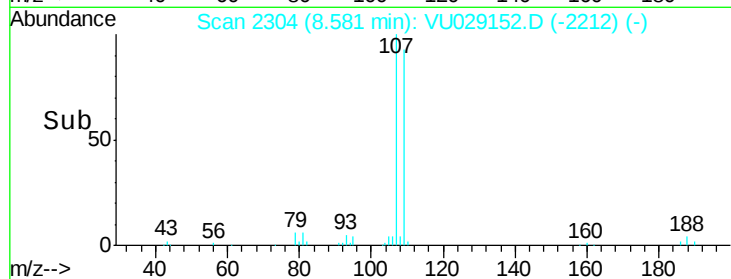
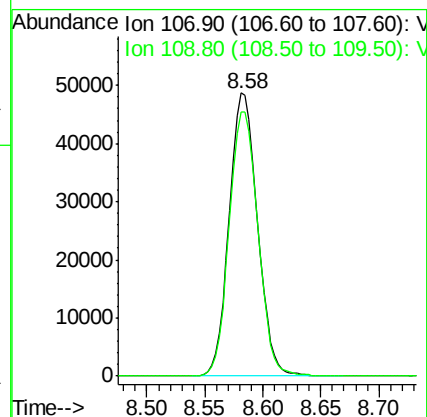
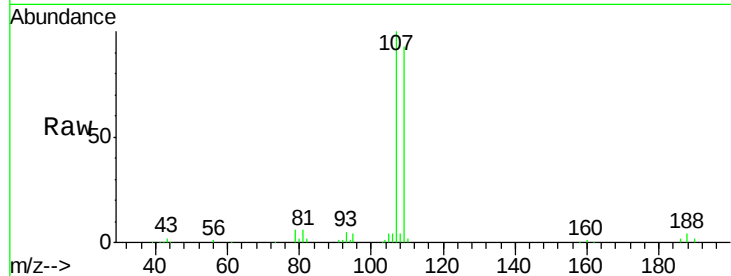
109 95.1 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 50.179 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

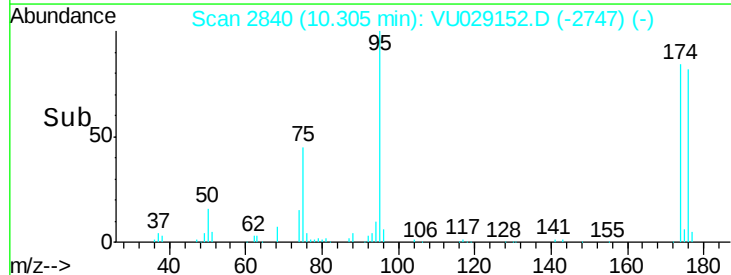
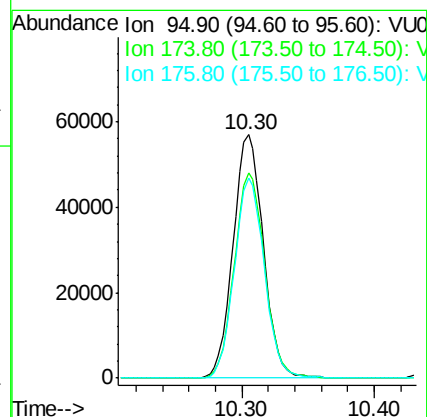
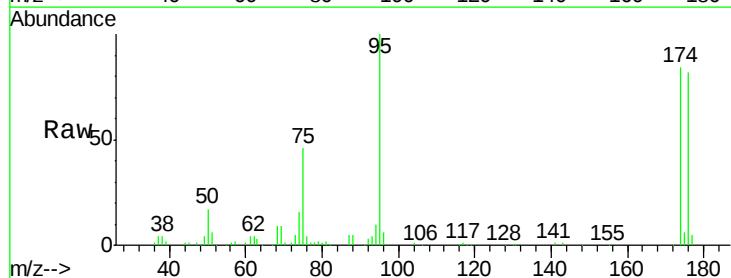
Tgt Ion: 95 Resp: 90126

Ion Ratio Lower Upper

95 100

174 85.1 0.0 170.6

176 81.8 0.0 165.0





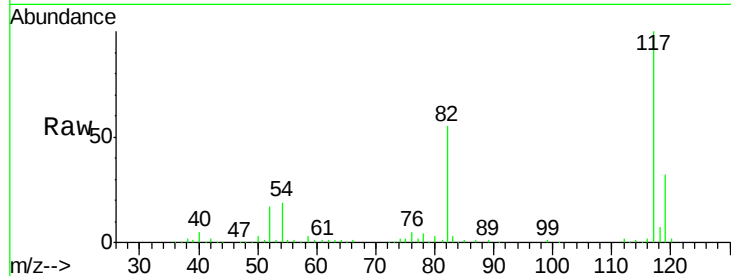
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.9	65.9
119	32.3	26.0	39.0

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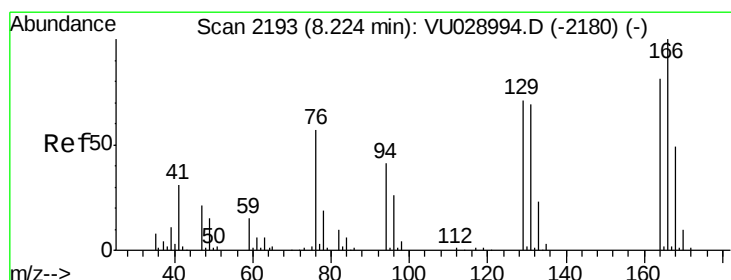
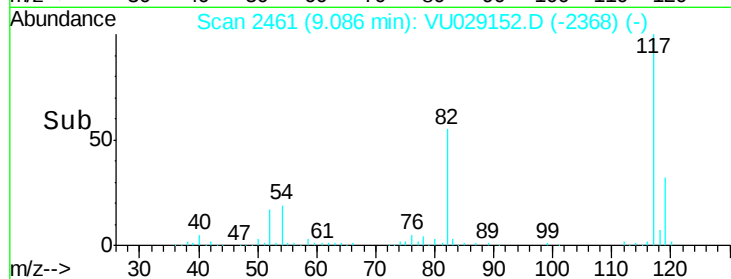
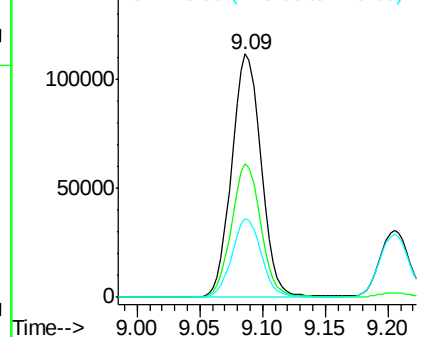


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.940 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	99.4	149.0
129	94.1	70.5	105.7
131	91.2	69.0	103.6

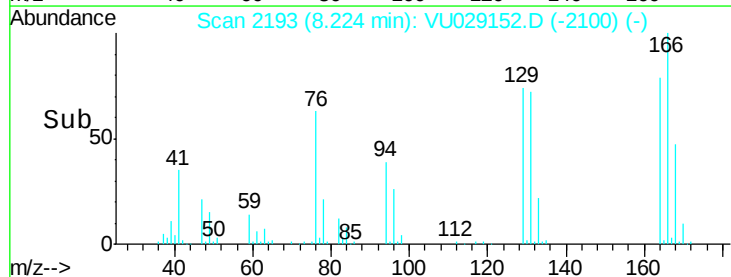
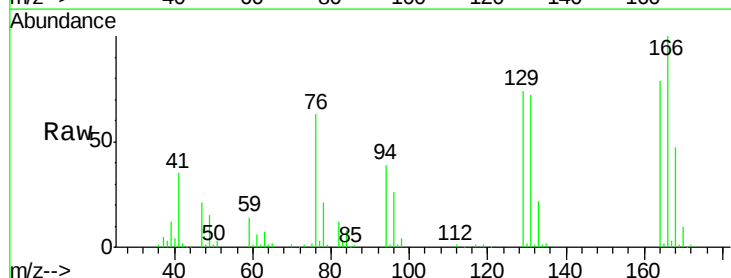
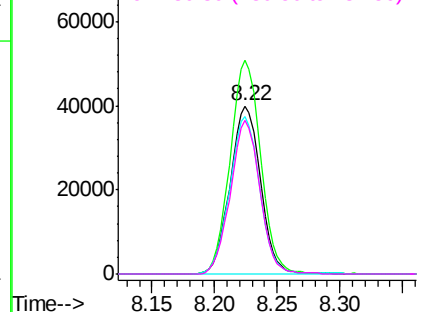
Abundance

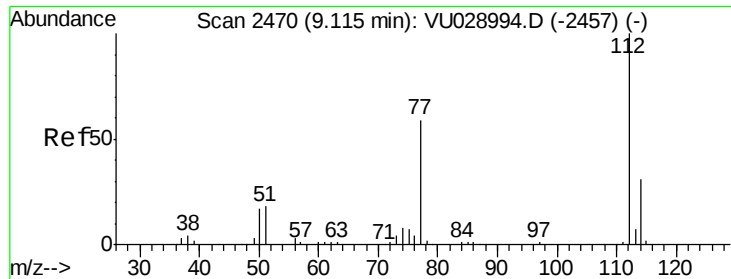
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





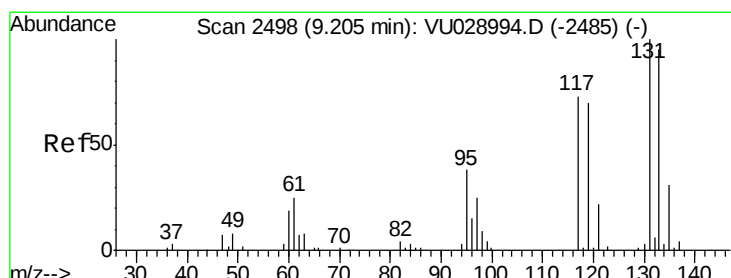
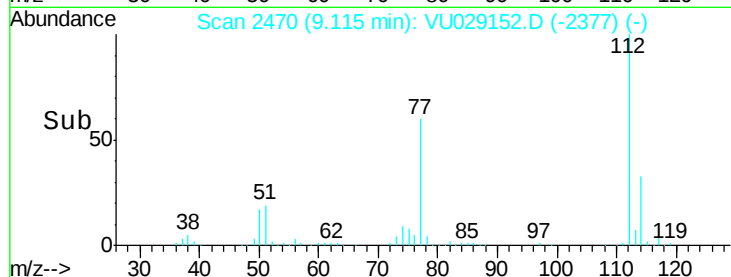
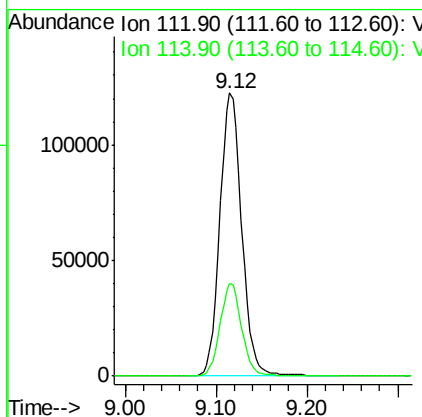
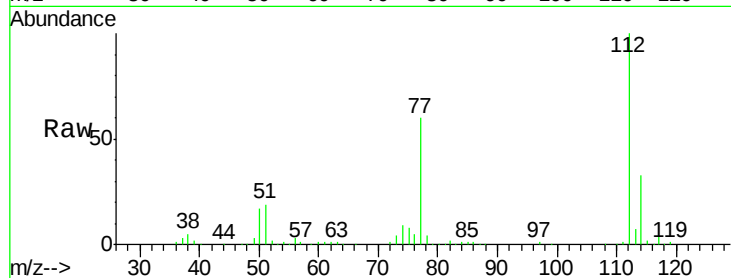
#65
Chlorobenzene
Concen: 49.867 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 204589
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.6

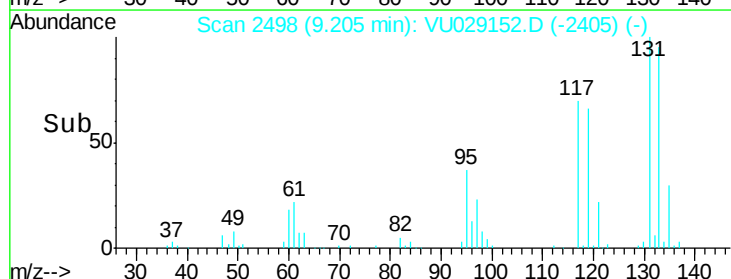
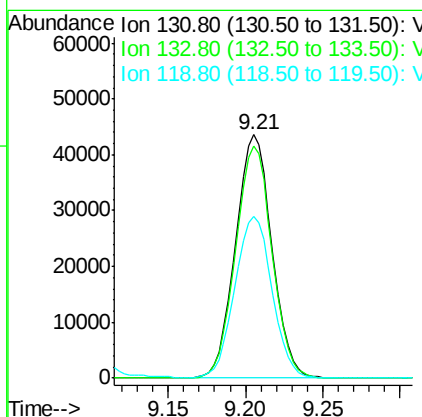
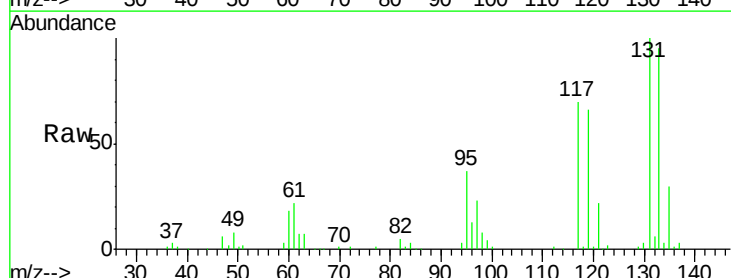
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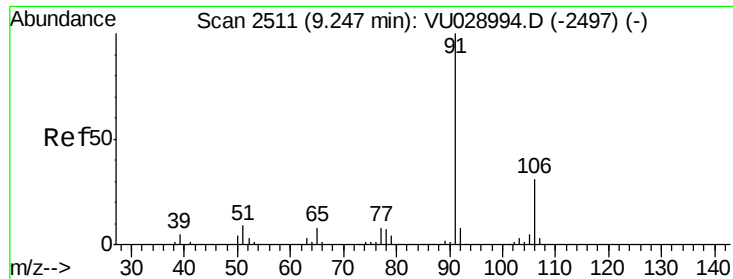
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.507 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion:131 Resp: 71240
Ion Ratio Lower Upper
131 100
133 95.4 48.2 144.6
119 68.1 35.4 106.3





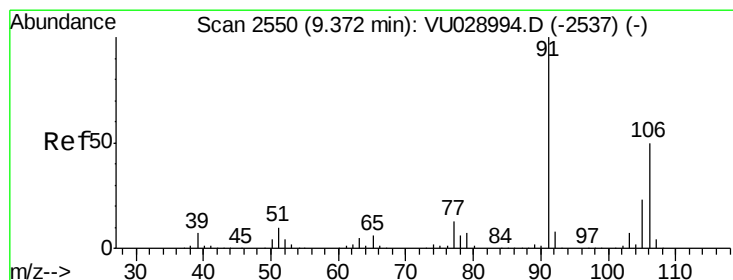
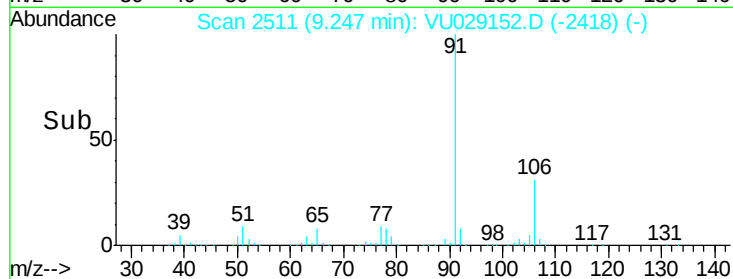
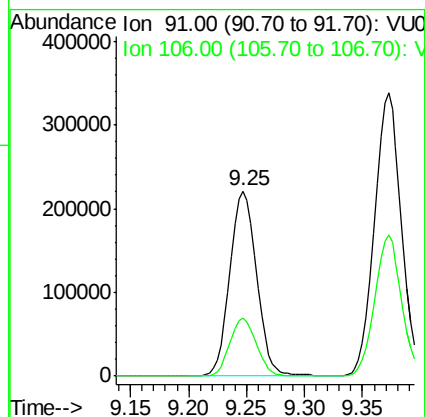
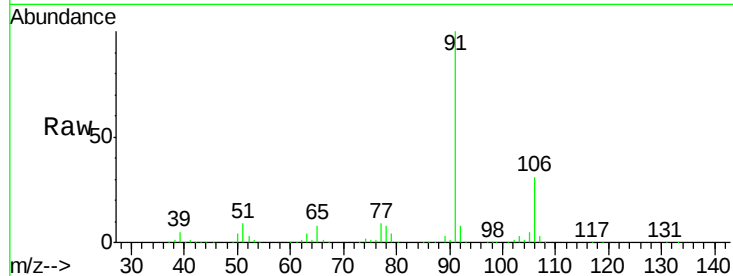
#67
Ethyl Benzene
Concen: 51.558 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 353155
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

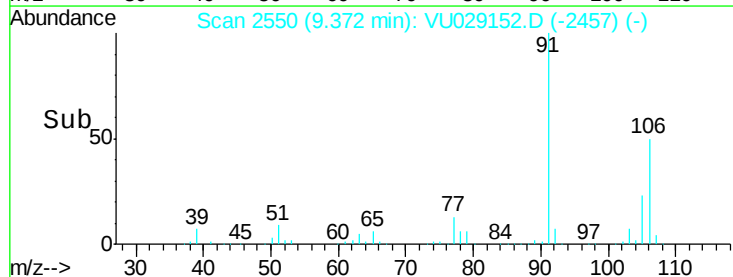
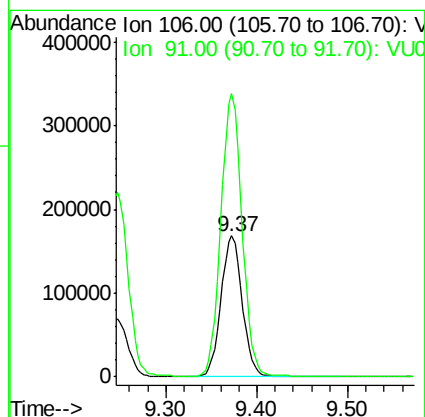
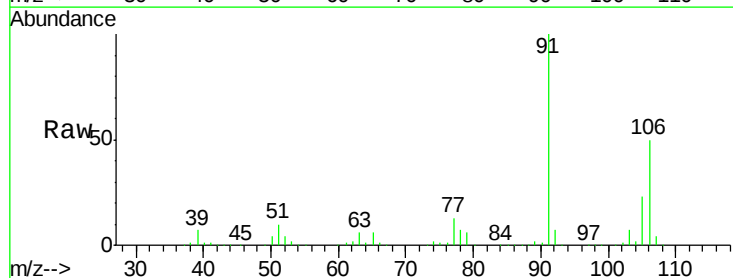
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#68
m/p-Xylenes
Concen: 102.690 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion: 106 Resp: 273301
Ion Ratio Lower Upper
106 100
91 199.4 161.7 242.5





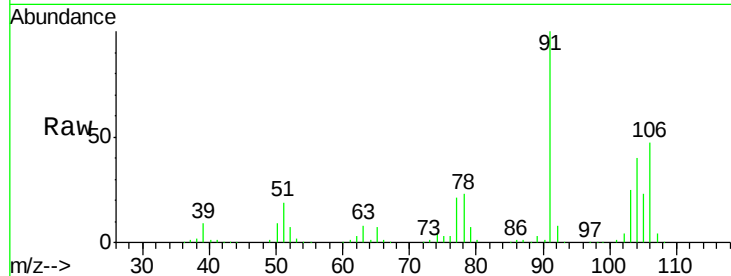
#69
o-Xylene
Concen: 51.948 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

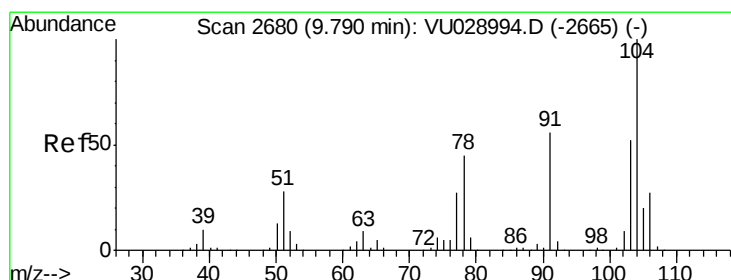
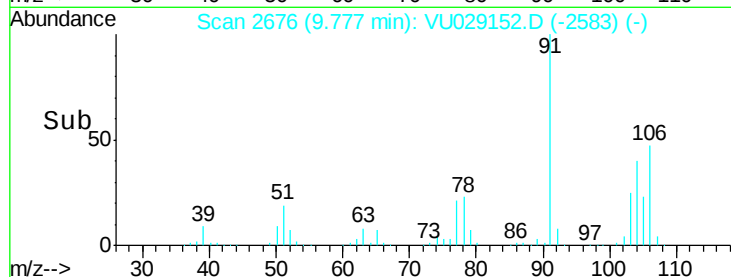
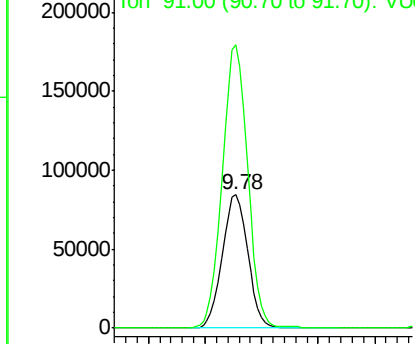
Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		133215		
91	210.9	106.1	318.3		

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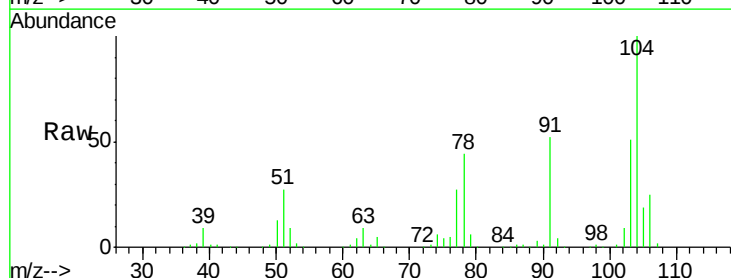


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

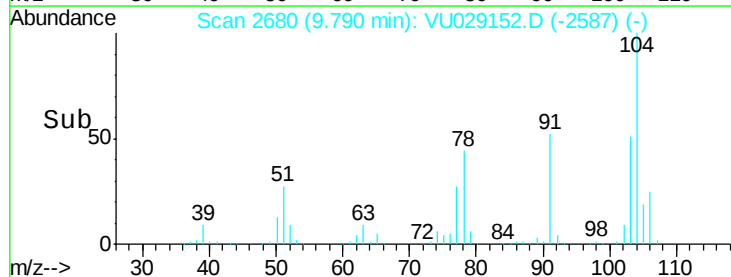
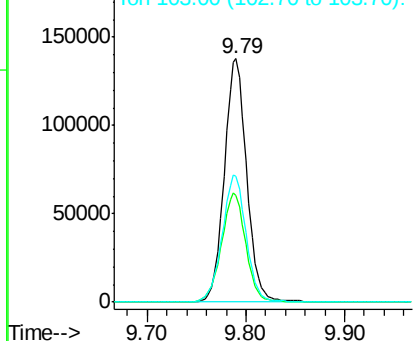


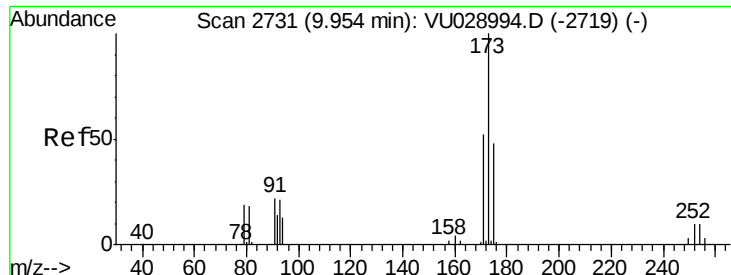
#70
Styrene
Concen: 52.421 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		220371		
78	48.4	38.6	58.0		
103	55.5	44.5	66.7		



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





#71

Bromoform

Concen: 53.766 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 63740

Ion Ratio Lower Upper

173 100

175 48.1 23.8 71.2

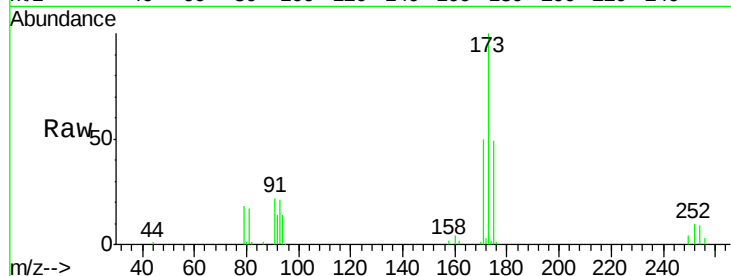
254 0.0 0.0 0.0

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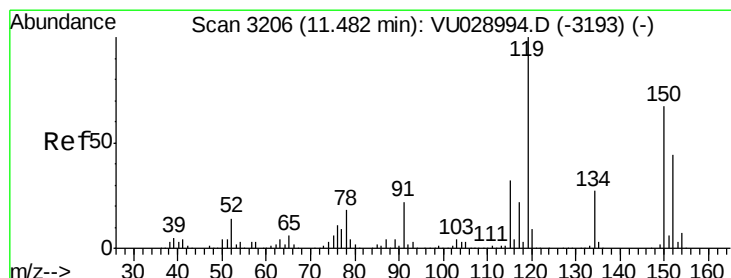
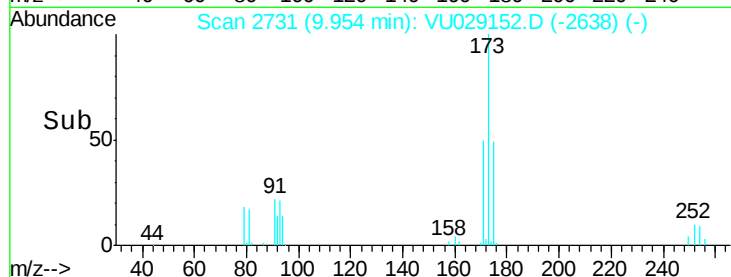
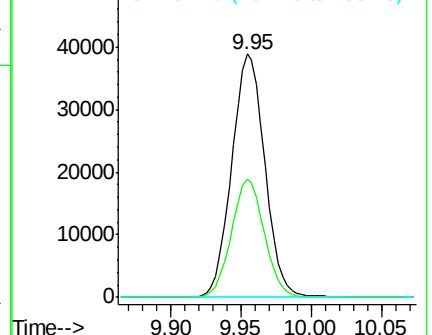
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

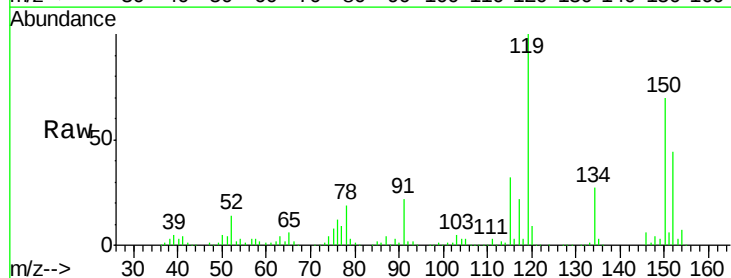
Tgt Ion:152 Resp: 94846

Ion Ratio Lower Upper

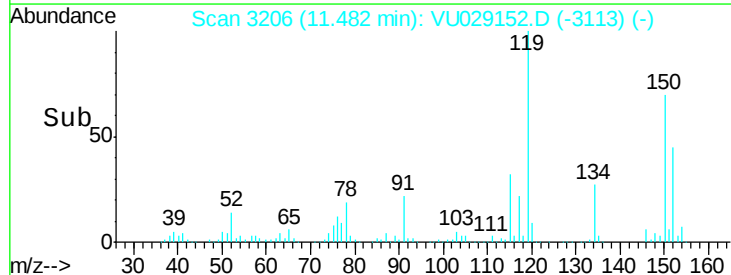
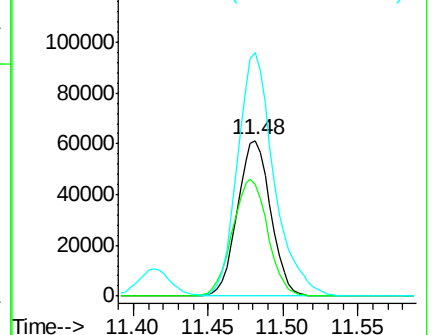
152 100

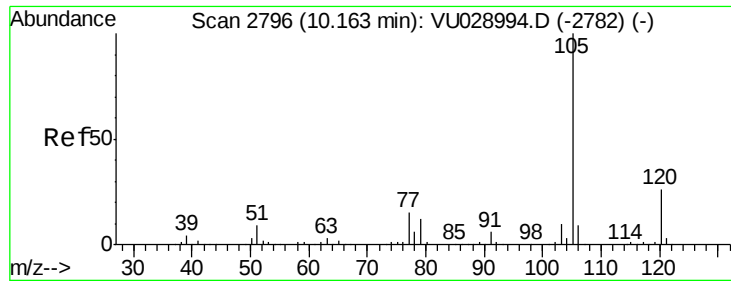
115 79.7 40.1 120.3

150 171.5 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.324 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 346265

Ion Ratio Lower Upper

105 100

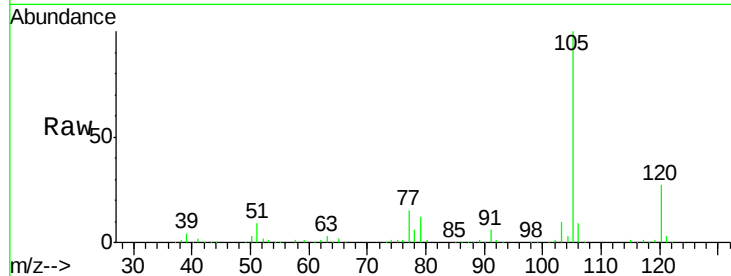
120 26.9 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

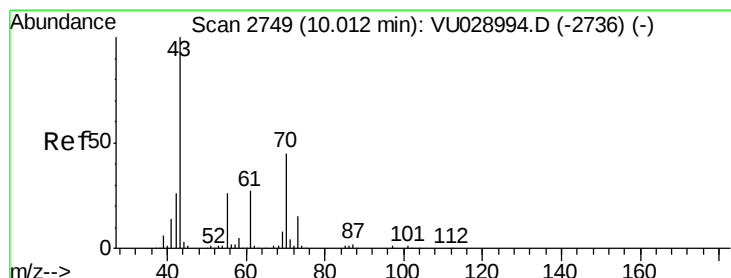
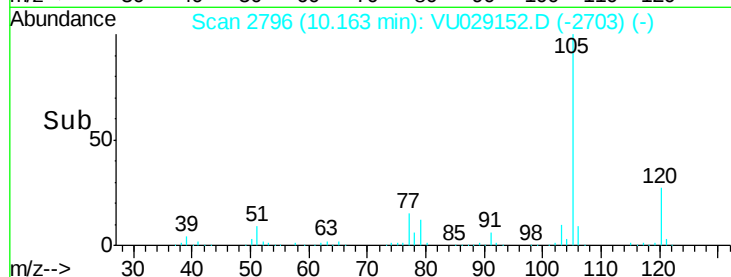
50000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 48.299 ug/l

RT: 10.01 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion: 43 Resp: 146111

Ion Ratio Lower Upper

43 100

70 46.1 36.3 54.5

55 25.7 20.5 30.7

61 26.2 21.8 32.8

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

150000

100000

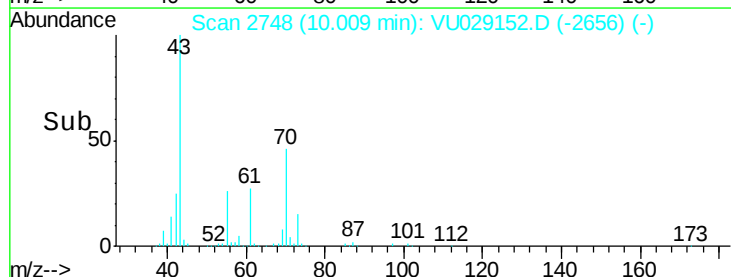
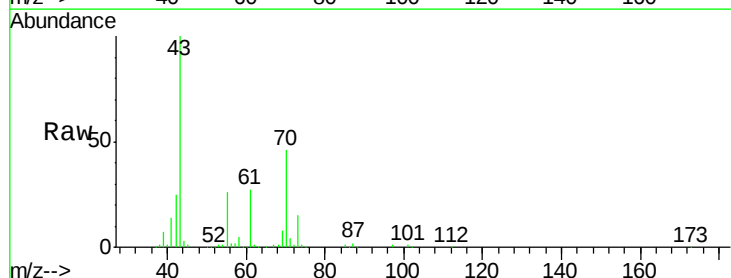
50000

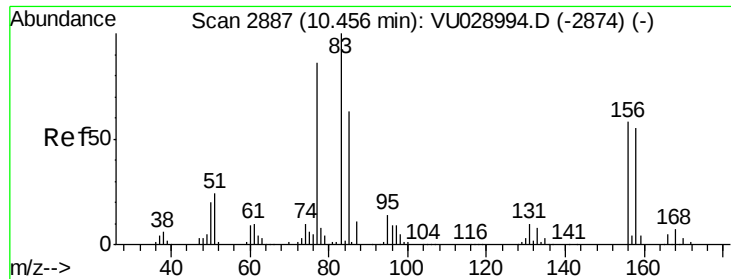
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.542 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

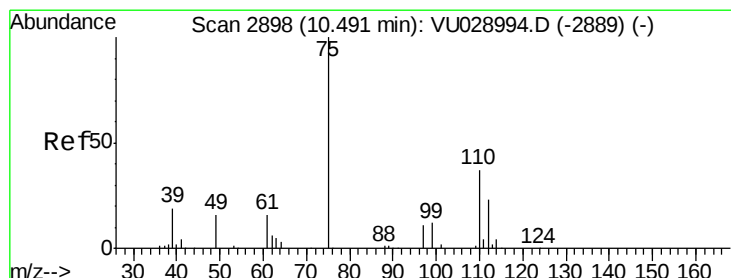
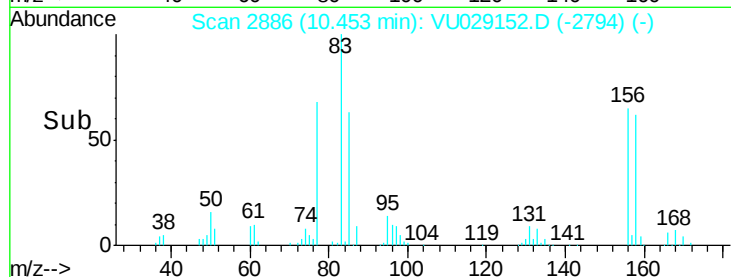
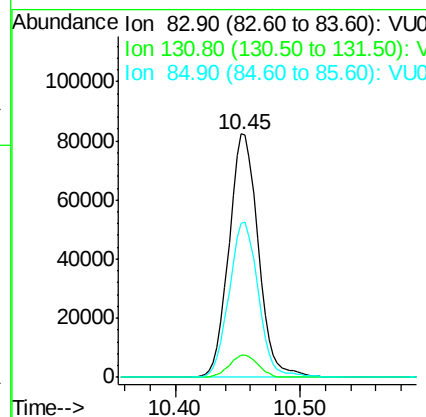
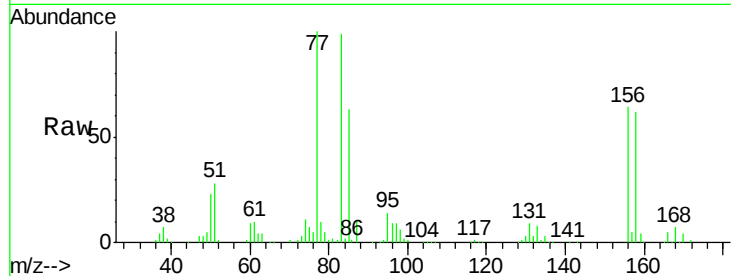
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	133765
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.7	14.1
85	63.8	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 49.810 ug/l m

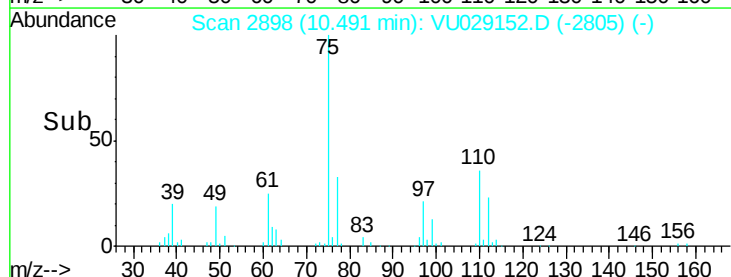
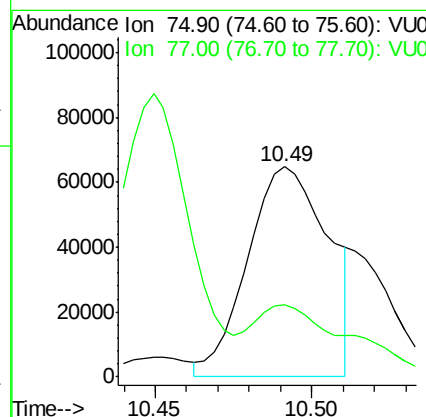
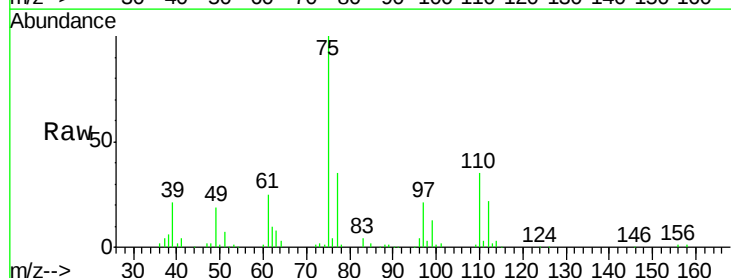
RT: 10.49 min Scan# 2898

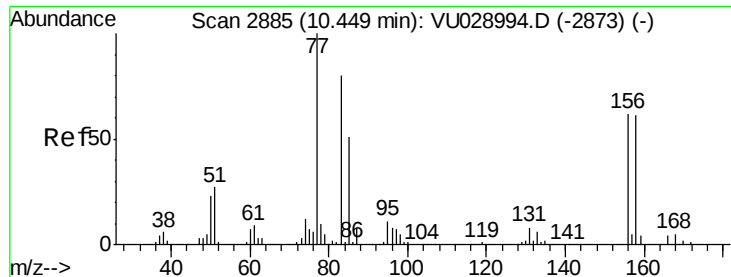
Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion:	75	Resp:	115753
Ion Ratio	Lower	Upper	
75	100		
77	42.5	20.9	62.8





#77

Bromobenzene

Concen: 48.621 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

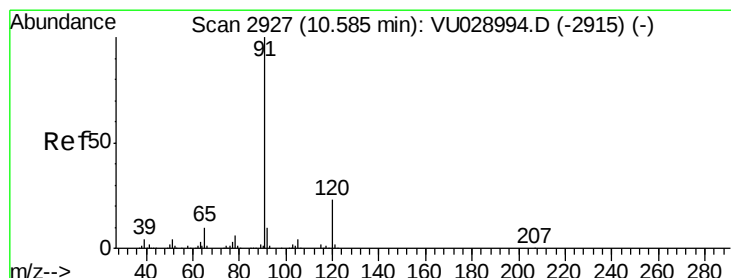
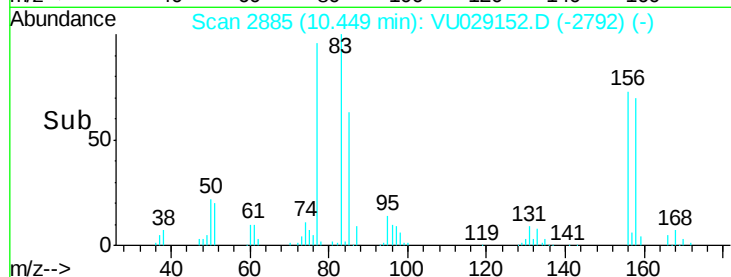
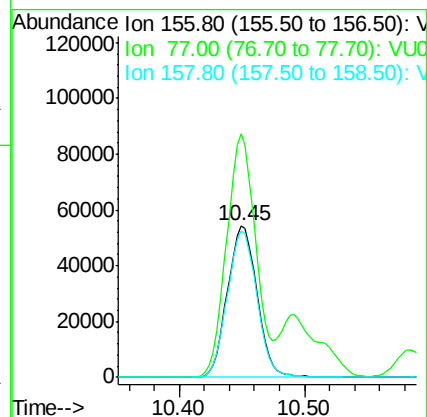
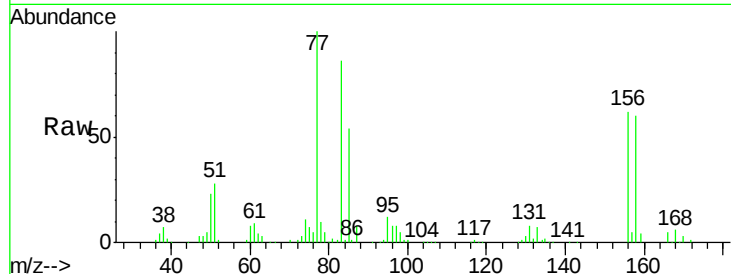
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.7	79.0	237.2
158	96.7	48.9	146.6

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#78

n-propylbenzene

Concen: 51.286 ug/l

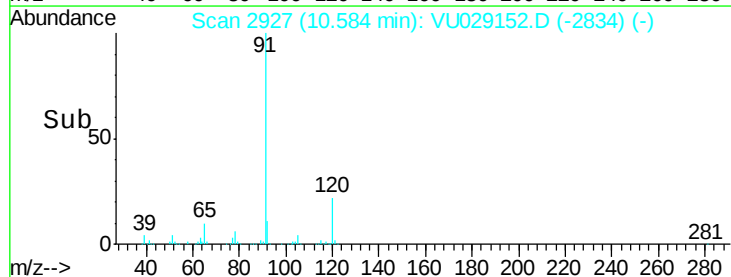
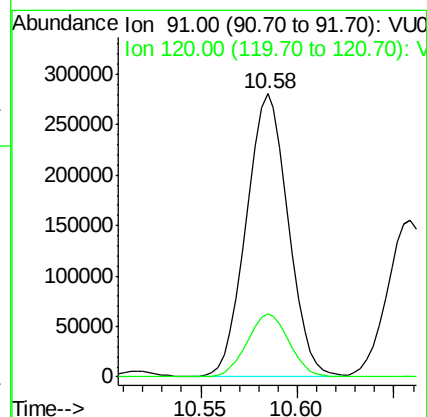
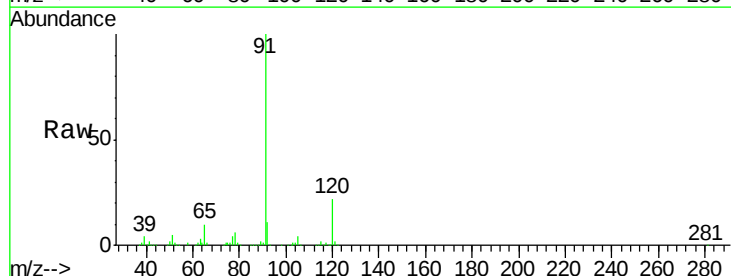
RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.9





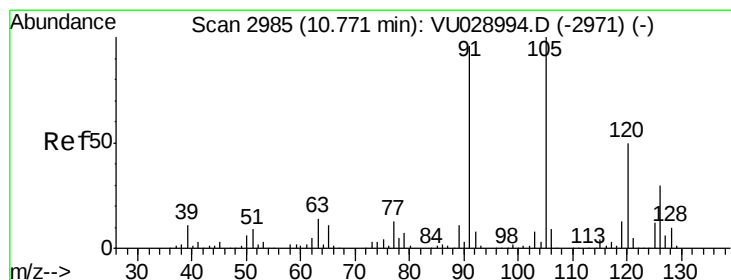
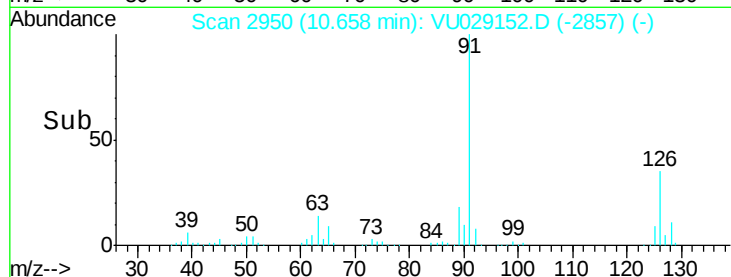
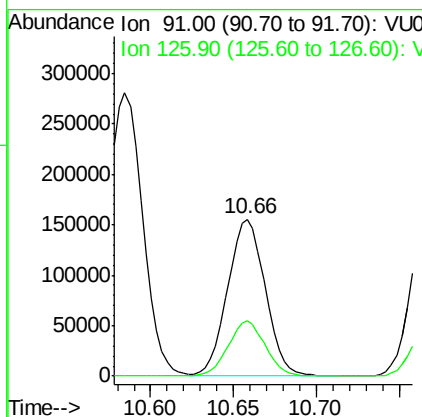
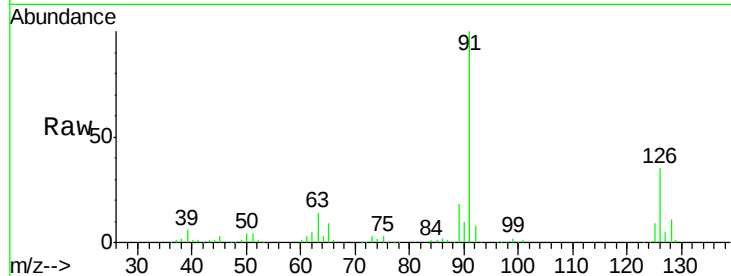
#79
 2-Chlorotoluene
 Concen: 48.595 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 243883
 Ion Ratio Lower Upper
 91 100
 126 34.9 16.8 50.4

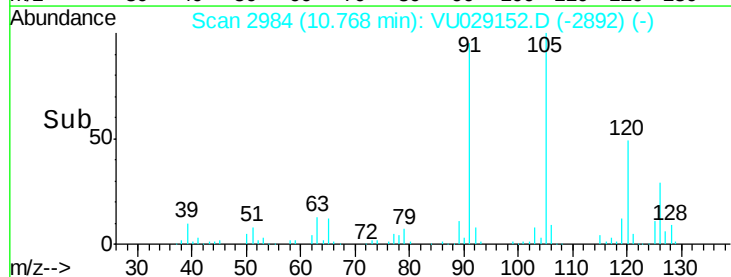
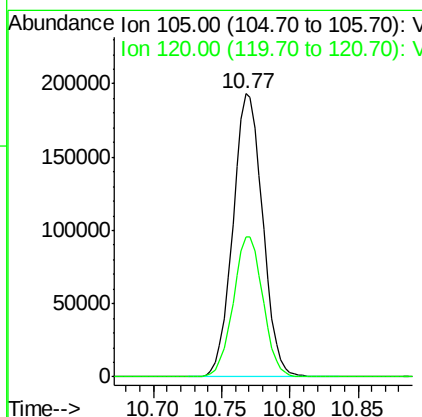
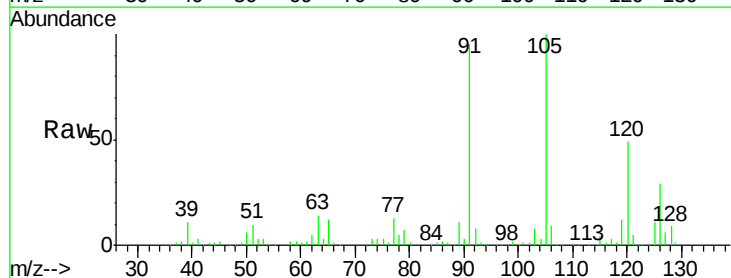
Manual Integrations
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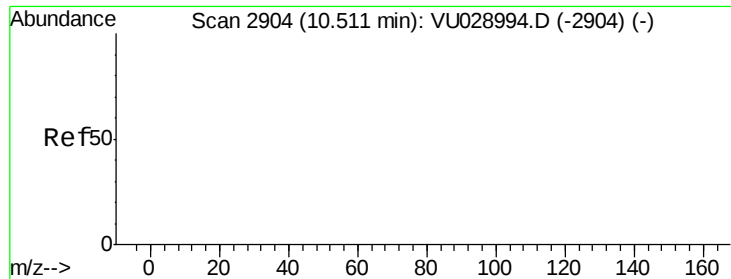
MMDadoda
 1/15/2019 11:29:29 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.954 ug/l
 RT: 10.77 min Scan# 2984
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion: 105 Resp: 292853
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.4





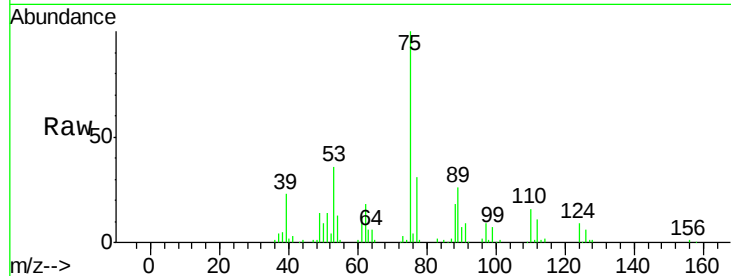
#81
trans-1,4-Dichloro-2-butene
Concen: 49.551 ug/l m
RT: 10.51 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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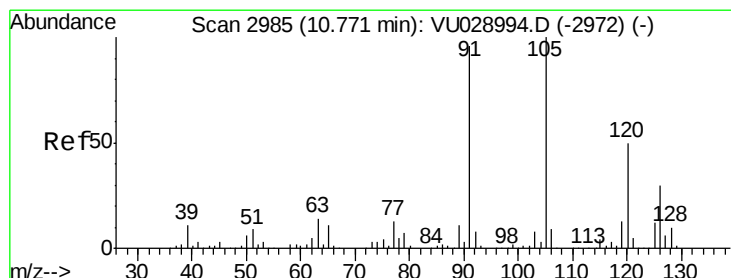
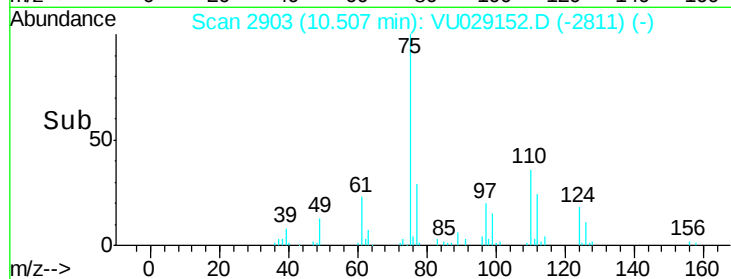
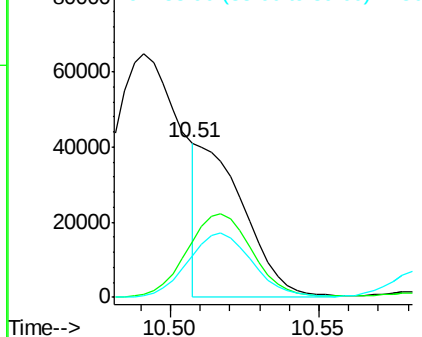
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Abundance Ion 74.90 (74.60 to 75.60): VU028994.D (-2904) (-)

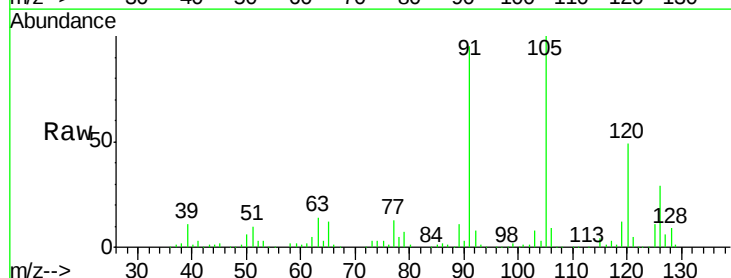
Ion 53.00 (52.70 to 53.70): VU028994.D (-2904) (-)

Ion 88.90 (88.60 to 89.60): VU028994.D (-2904) (-)



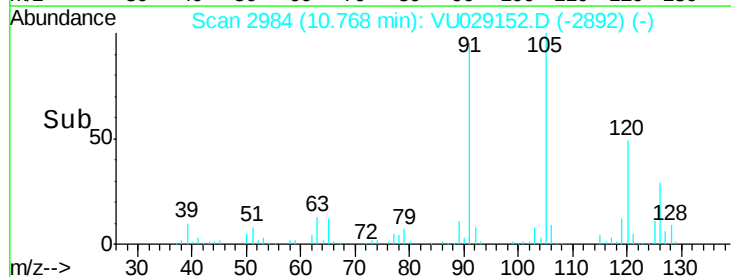
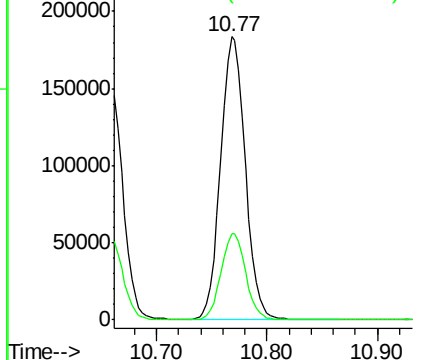
#82
4-Chlorotoluene
Concen: 49.416 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

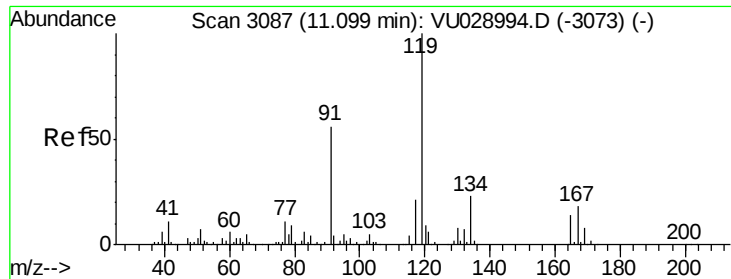
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VU028994.D (-2972) (-)

Ion 125.90 (125.60 to 126.60): VU028994.D (-2972) (-)





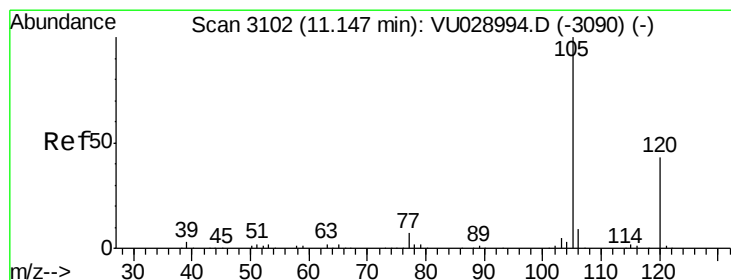
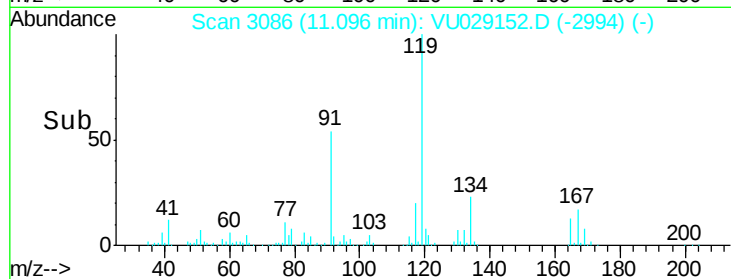
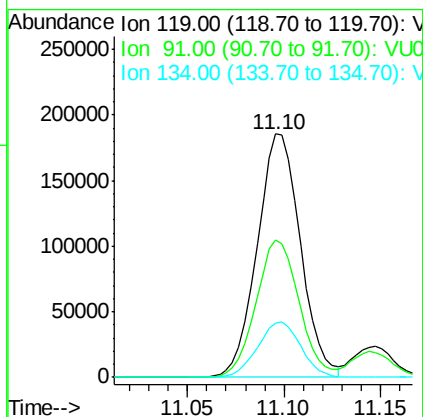
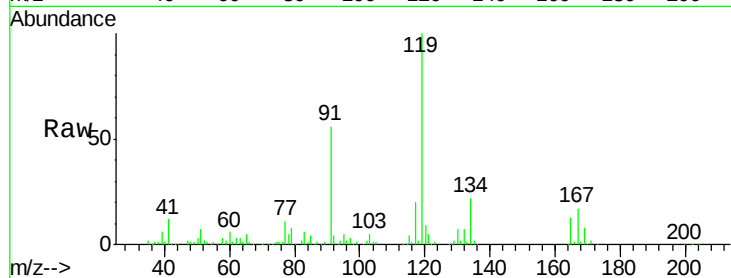
#83
tert-Butylbenzene
Concen: 50.108 ug/l
RT: 11.10 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	289532		
91	56.0		28.2	84.6
134	22.6		11.3	33.8

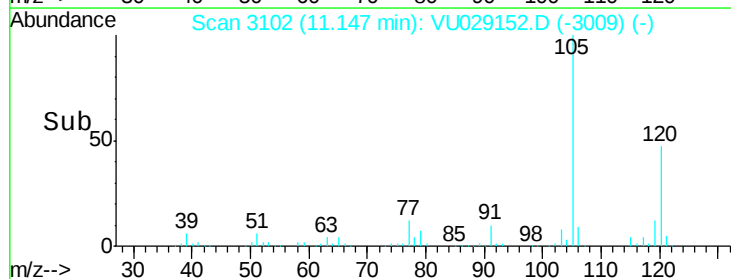
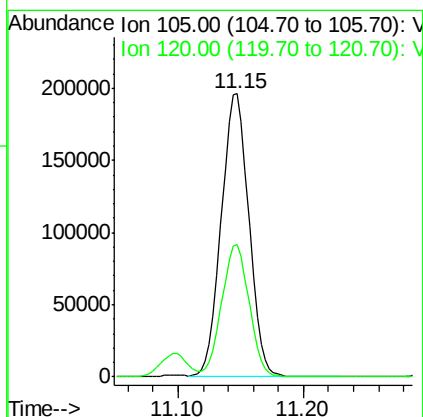
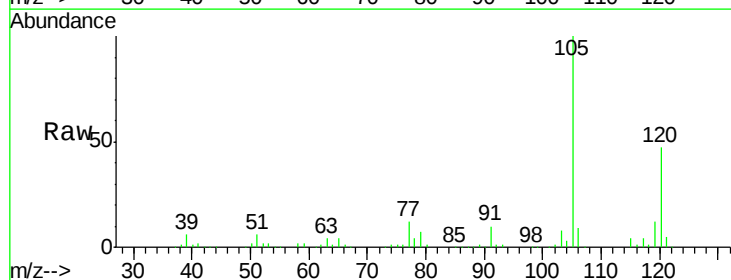
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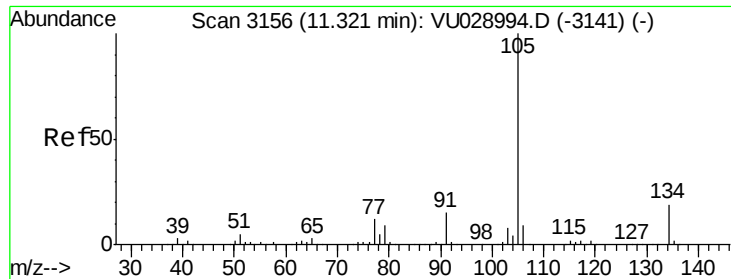
MMDadoda
1/15/2019 11:29:29 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.046 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	298779		
120	46.3		23.1	69.3





#85

sec-Butylbenzene

Concen: 51.870 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 362478

Ion Ratio Lower Upper

105 100

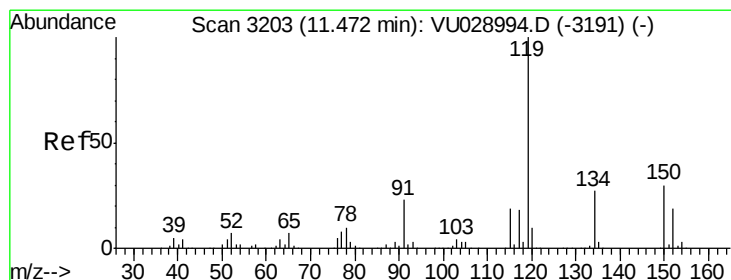
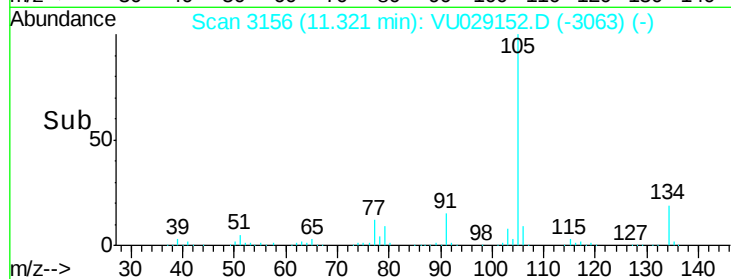
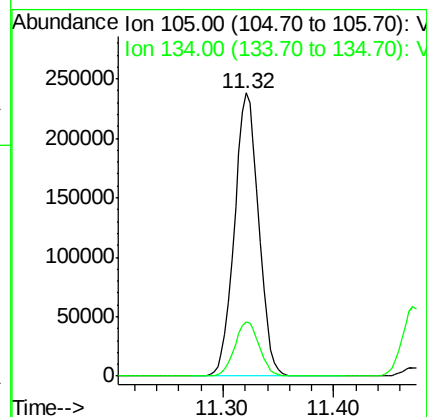
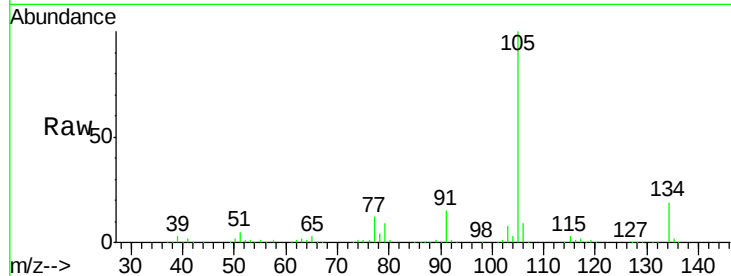
134 19.4 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 52.620 ug/l

RT: 11.47 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VU029152.D

Acq: 14 Jan 2019 09:34

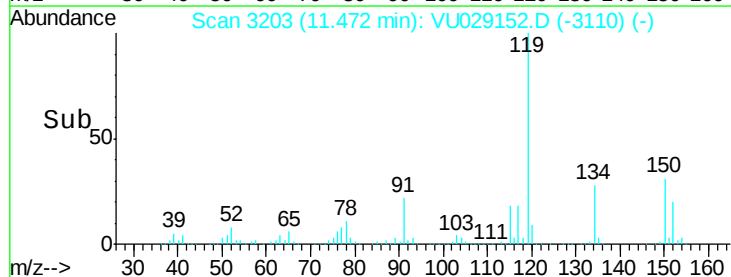
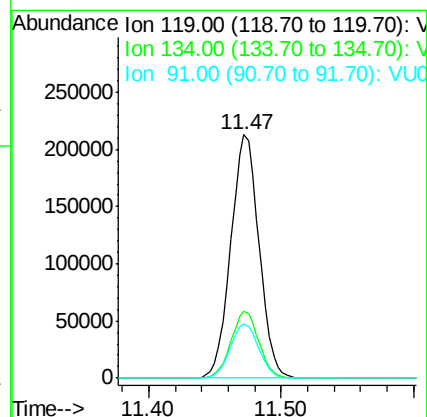
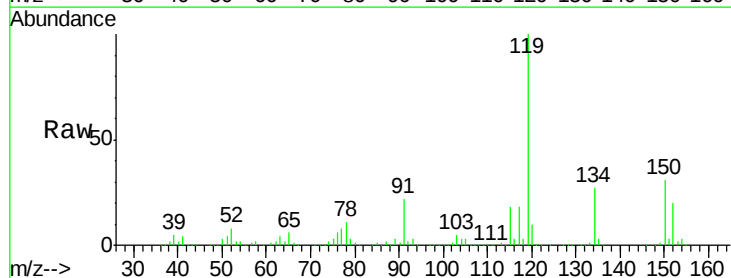
Tgt Ion:119 Resp: 313340

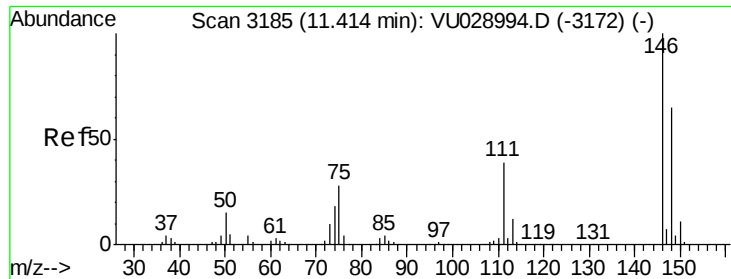
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 22.6 11.3 33.8





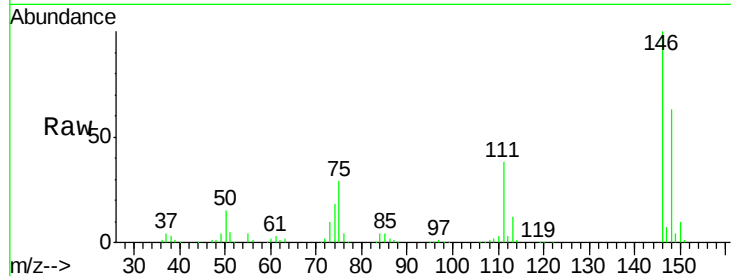
#87
 1,3-Dichlorobenzene
 Concen: 48.563 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

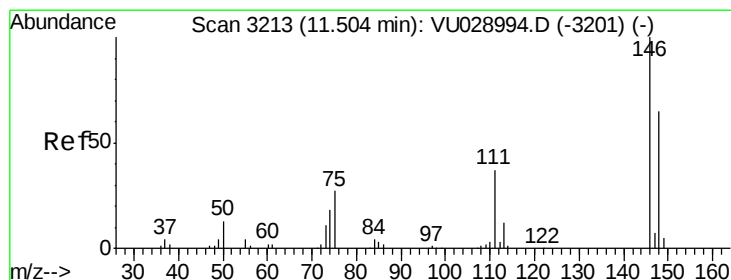
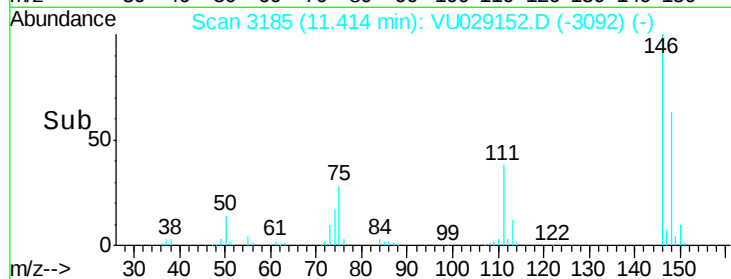
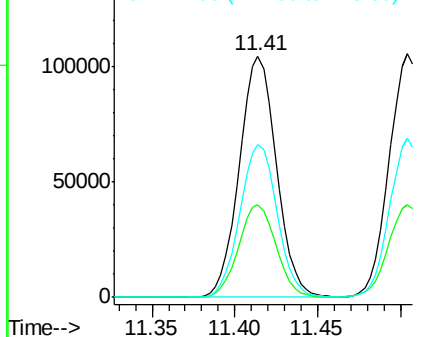
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	63.8	32.5	97.5

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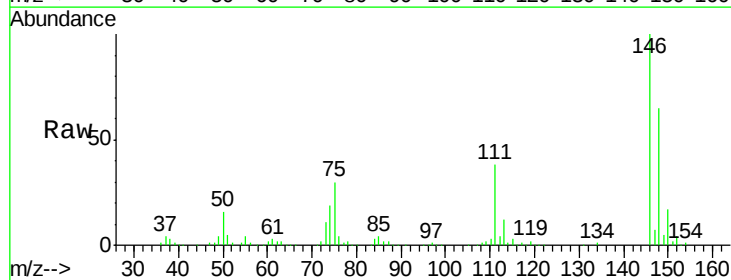


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

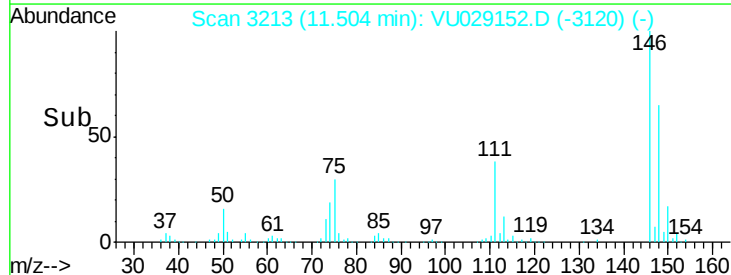
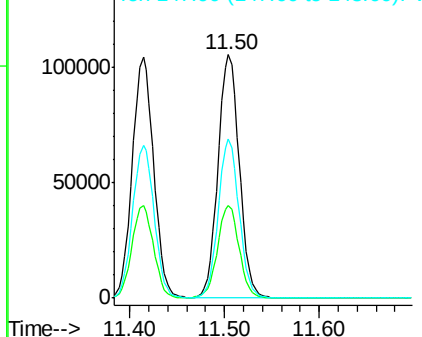


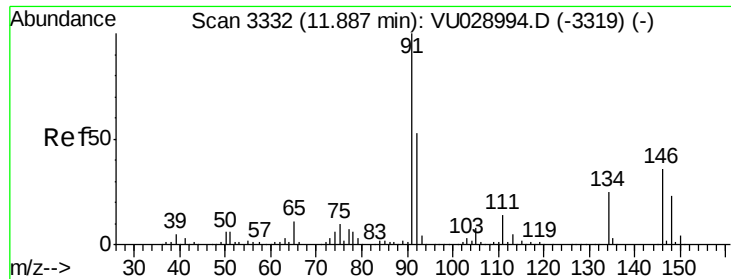
#88
 1,4-Dichlorobenzene
 Concen: 47.754 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.0	32.6	98.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





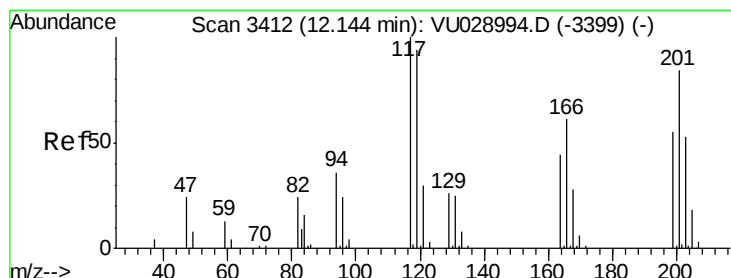
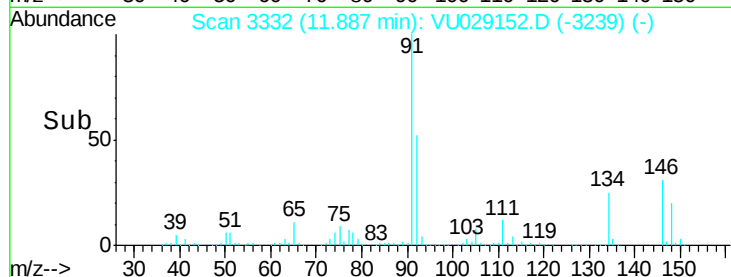
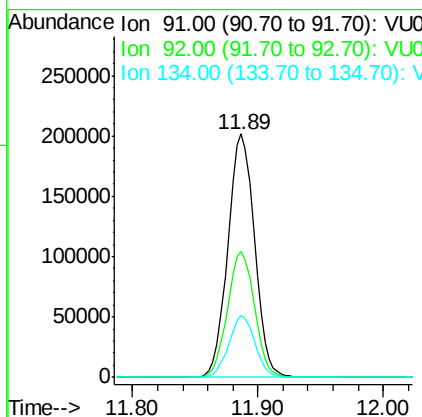
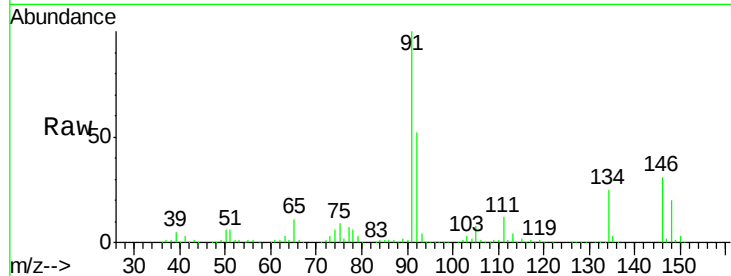
#89
n-Butylbenzene
Concen: 56.068 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.8	12.6	37.6

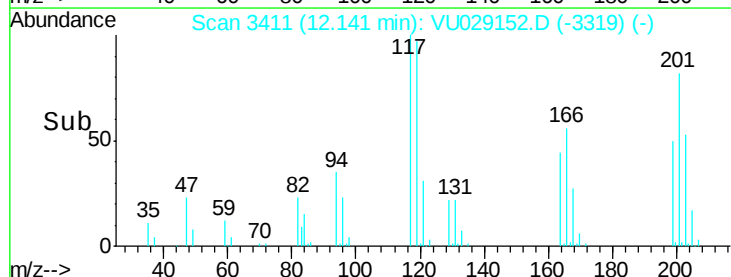
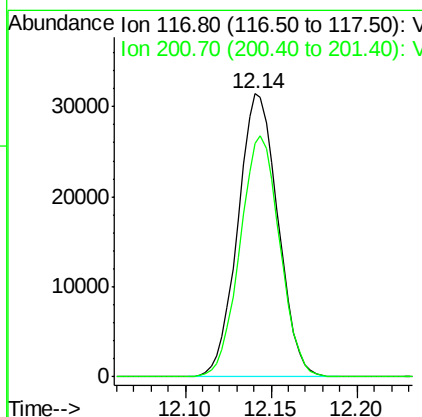
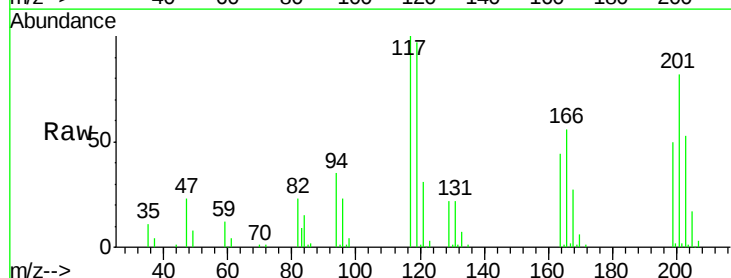
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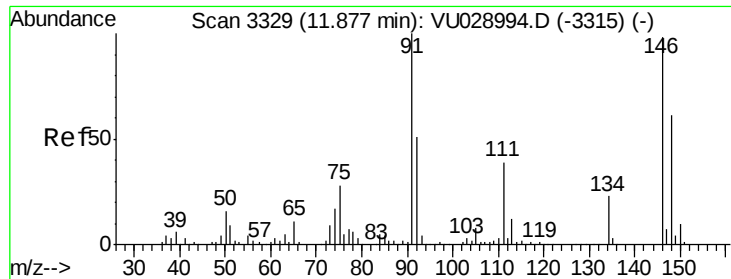
MMDadoda
1/15/2019 11:29:29 AM



#90
Hexachloroethane
Concen: 50.672 ug/l
RT: 12.14 min Scan# 3411
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	42.4	127.3





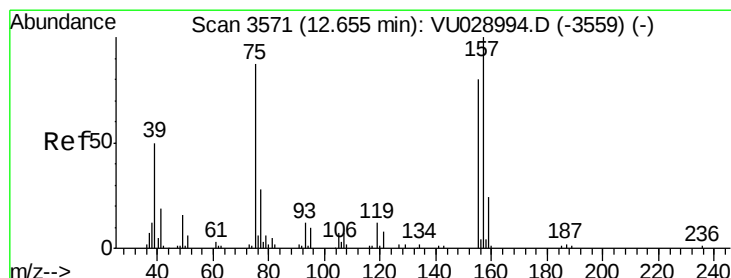
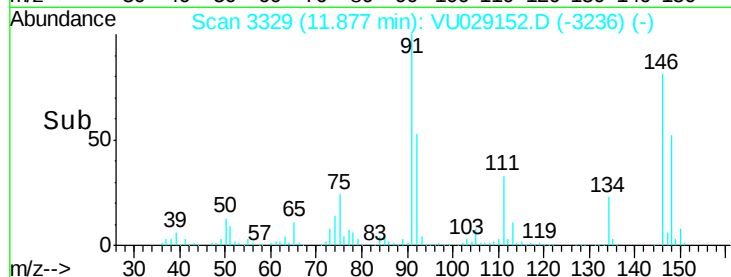
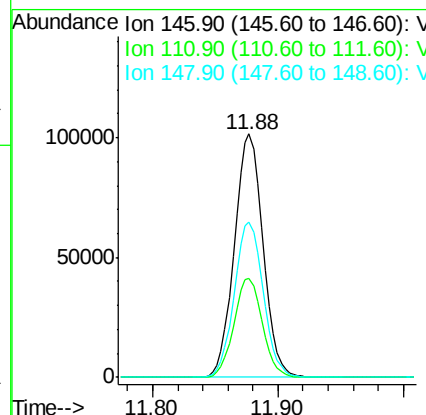
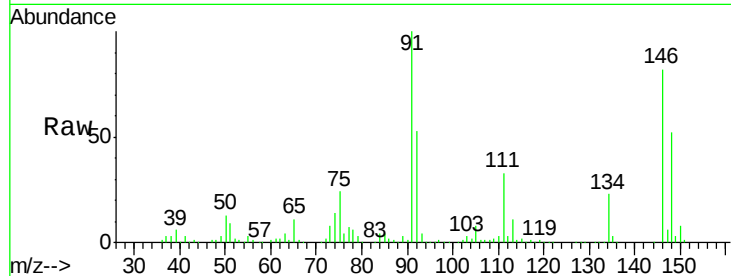
#91
 1,2-Dichlorobenzene
 Concen: 47.605 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.5	31.6	94.8

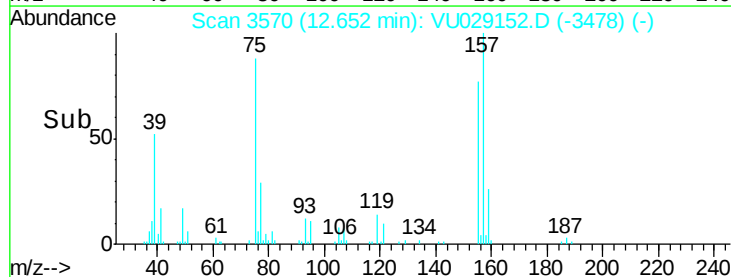
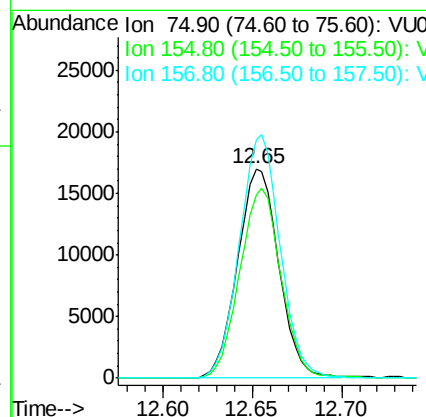
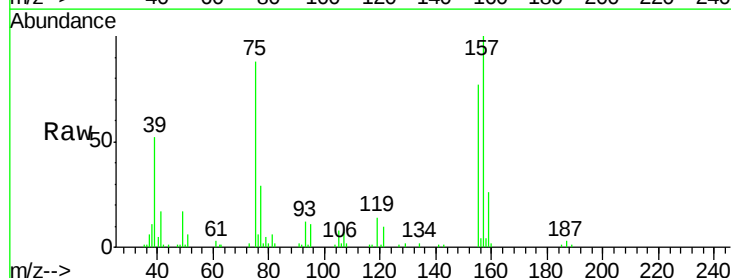
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.800 ug/l
 RT: 12.65 min Scan# 3570
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	46.3	138.8
157	114.9	57.4	172.0





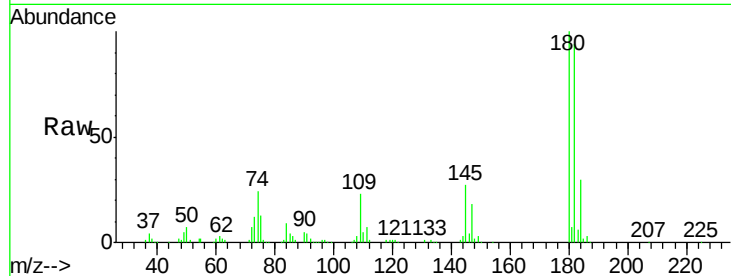
#93
 1,2,4-Trichlorobenzene
 Concen: 52.258 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

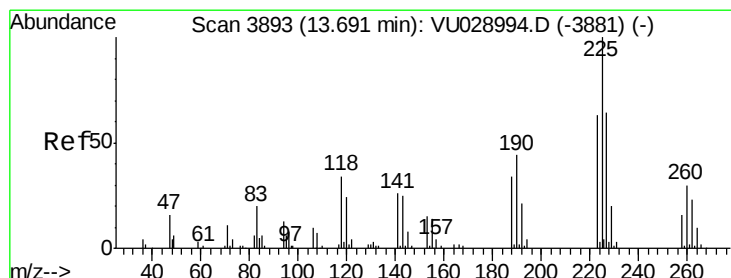
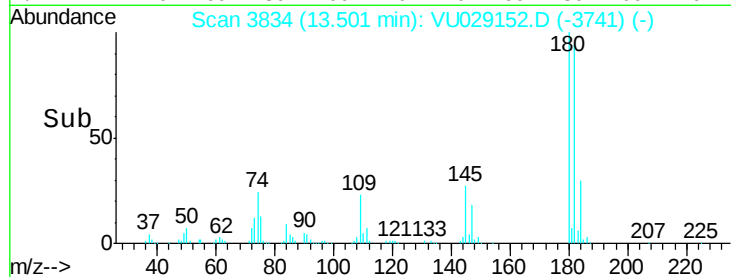
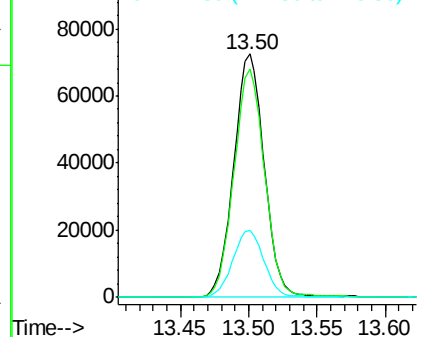
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.6
145	28.3	14.0	42.0

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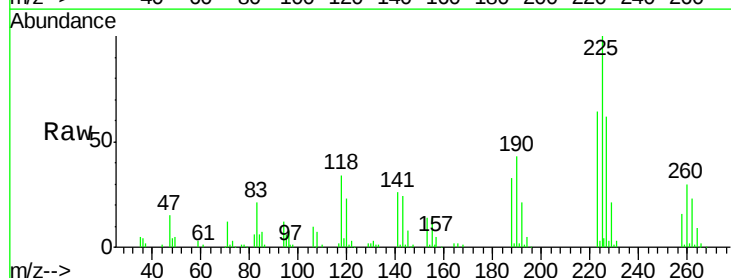


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

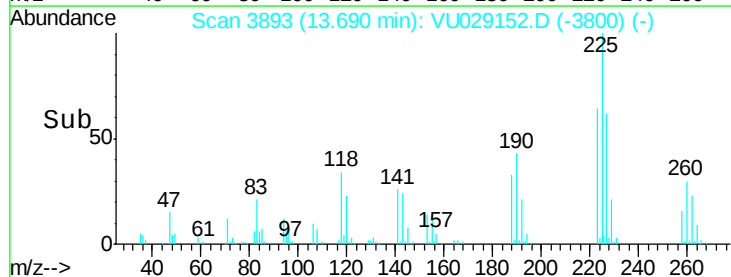
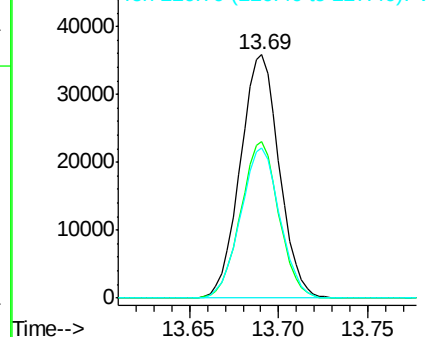


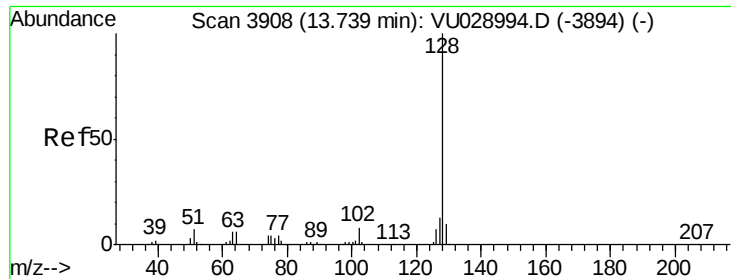
#94
 Hexachlorobutadiene
 Concen: 55.375 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU029152.D
 Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.0
227	62.0	31.9	95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





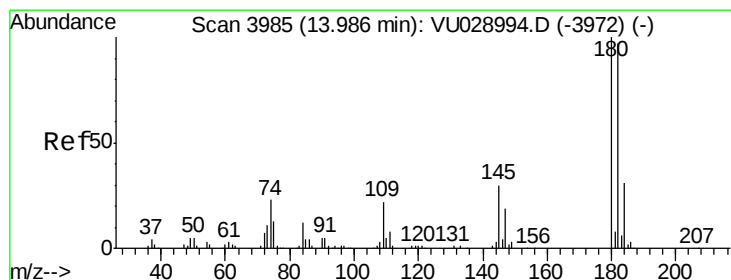
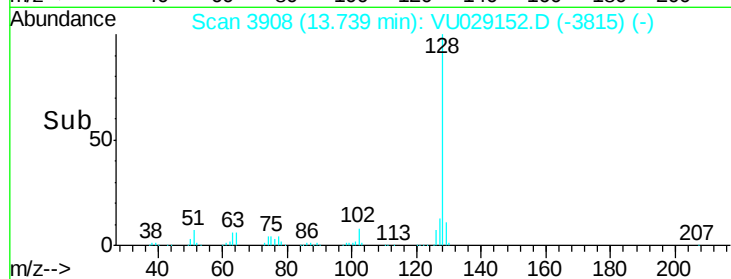
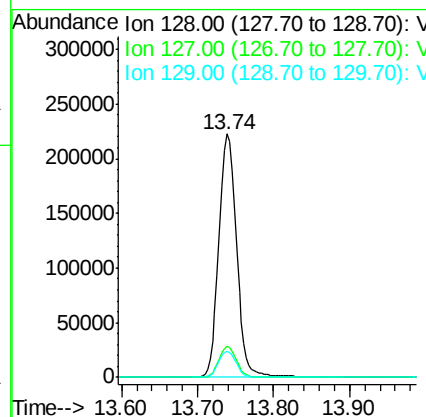
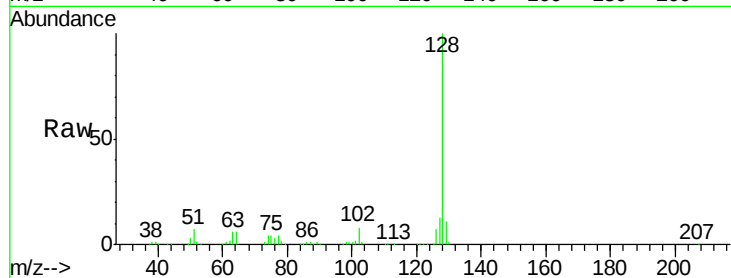
#95
Naphthalene
Concen: 49.142 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.6	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 51.492 ug/l
RT: 13.98 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VU029152.D
Acq: 14 Jan 2019 09:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.3
145	29.0	14.8	44.4

