

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029080.D
 Acq On : 09 Jan 2019 09:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:26 AM

Quant Time: Jan 10 04:27:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	131122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	206103	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	194738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83842	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	
35) Dibromofluoromethane	4.88	113	69718	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
50) Toluene-d8	7.56	98	277978	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	10.30	95	97250	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	62855	48.337	ug/l	99
3) Chloromethane	1.33	50	96554	46.472	ug/l	100
4) Vinyl Chloride	1.40	62	92459	48.249	ug/l	99
5) Bromomethane	1.61	94	47529	48.129	ug/l	99
6) Chloroethane	1.69	64	53639	46.993	ug/l	97
7) Trichlorofluoromethane	1.88	101	98156	47.007	ug/l	99
8) Diethyl Ether	2.10	74	47513	47.363	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	68829	49.264	ug/l	99
10) Methyl Iodide	2.41	142	66747	50.808	ug/l	98
11) Tert butyl alcohol	2.83	59	87852	213.225	ug/l	99
12) 1,1-Dichloroethene	2.28	96	66287	48.743	ug/l	99
13) Acrolein	2.19	56	68614	221.780	ug/l	99
14) Allyl chloride	2.59	41	114818	46.015	ug/l	95
15) Acrylonitrile	2.93	53	260565	257.777	ug/l	100
16) Acetone	2.32	43	277888	272.141	ug/l	99
17) Carbon Disulfide	2.47	76	208892	46.346	ug/l	99
18) Methyl Acetate	2.61	43	123397	51.972	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	234738	49.097	ug/l	99
20) Methylene Chloride	2.70	84	82825	47.774	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	74220	46.975	ug/l	97
22) Diisopropyl ether	3.57	45	249783	50.651	ug/l	100
23) Vinyl Acetate	3.52	43	1046295	259.528	ug/l	99
24) 1,1-Dichloroethane	3.44	63	144014	50.588	ug/l	99
25) 2-Butanone	4.26	43	371207	269.152	ug/l	100
26) 2,2-Dichloropropane	4.22	77	115906	50.387	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	85005	49.191	ug/l	99
28) Bromochloromethane	4.54	49	61963	50.831	ug/l	97
29) Tetrahydrofuran	4.63	42	215329	257.420	ug/l	98
30) Chloroform	4.67	83	136375	50.294	ug/l	98
31) Cyclohexane	4.99	56	133433	49.644	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	111045	49.563	ug/l	99
36) 1,1-Dichloropropene	5.13	75	103518	50.249	ug/l	99
37) Ethyl Acetate	4.38	43	121108	53.557	ug/l	99
38) Carbon Tetrachloride	5.13	117	89904	52.324	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	133146	52.572	ug/l	100
40) Benzene	5.39	78	329009	51.200	ug/l	98
41) Methacrylonitrile	4.54	41	67051	55.394	ug/l	97
42) 1,2-Dichloroethane	5.40	62	102608	53.139	ug/l	100
43) Isopropyl Acetate	5.54	43	188011	54.201	ug/l	99
44) Trichloroethene	6.18	130	79591	49.989	ug/l	96
45) 1,2-Dichloropropane	6.43	63	90218	53.164	ug/l	100
46) Dibromomethane	6.56	93	56128	51.740	ug/l	99
47) Bromodichloromethane	6.75	83	105179	52.660	ug/l	99
48) Methyl methacrylate	6.62	41	95187	56.355	ug/l	98
49) 1,4-Dioxane	6.61	88	39105	976.946	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	640656	271.382	ug/l	99
52) Toluene	7.63	92	200656	51.293	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	122927	51.234	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	134302	51.802	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	83208	53.094	ug/l	98
56) Ethyl methacrylate	8.02	69	125758	52.086	ug/l	97
57) 1,3-Dichloropropane	8.24	76	139693	52.092	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	280356	264.033	ug/l	99
59) 2-Hexanone	8.36	43	507899	274.084	ug/l	99
60) Dibromochloromethane	8.47	129	81529	52.510	ug/l	99
61) 1,2-Dibromoethane	8.58	107	87594	51.535	ug/l	100
64) Tetrachloroethene	8.22	164	73583	52.454	ug/l	98
65) Chlorobenzene	9.12	112	215031	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	74049	52.273	ug/l	99
67) Ethyl Benzene	9.25	91	376711	51.690	ug/l	100
68) m/p-Xylenes	9.37	106	295882	104.490	ug/l	98
69) o-Xylene	9.78	106	139959	51.297	ug/l	99
70) Styrene	9.79	104	234377	52.400	ug/l	100
71) Bromoform	9.95	173	66060	52.373	ug/l #	99
73) Isopropylbenzene	10.16	105	371246	50.012	ug/l	100
74) N-amyl acetate	10.01	43	163907	51.242	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	142627	47.941	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	124142m	50.521	ug/l	
77) Bromobenzene	10.45	156	94166	48.679	ug/l	99
78) n-propylbenzene	10.58	91	455908	52.116	ug/l	99
79) 2-Chlorotoluene	10.66	91	263519	49.659	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	315328	50.869	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	43956m	46.135	ug/l	
82) 4-Chlorotoluene	10.77	91	306197	50.321	ug/l	99
83) tert-Butylbenzene	11.10	119	301481	49.344	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	320533	51.792	ug/l	99
85) sec-Butylbenzene	11.32	105	388139	52.528	ug/l	100
86) p-Isopropyltoluene	11.48	119	331024	52.573	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	172886	48.725	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	173245	47.302	ug/l	100
89) n-Butylbenzene	11.89	91	319770	56.901	ug/l	99
90) Hexachloroethane	12.14	117	51692	48.801	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	172116	48.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30278	52.914	ug/l	96

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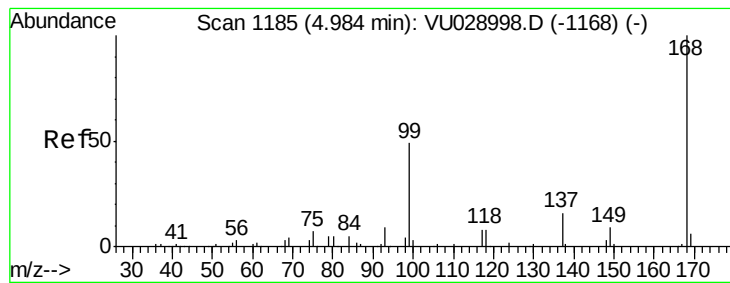
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	116769	51.184	ug/l	97
94) Hexachlorobutadiene	13.69	225	57676	55.272	ug/l	99
95) Naphthalene	13.74	128	379019	48.838	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	121139	51.555	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 131122

Ion Ratio Lower Upper

168 100

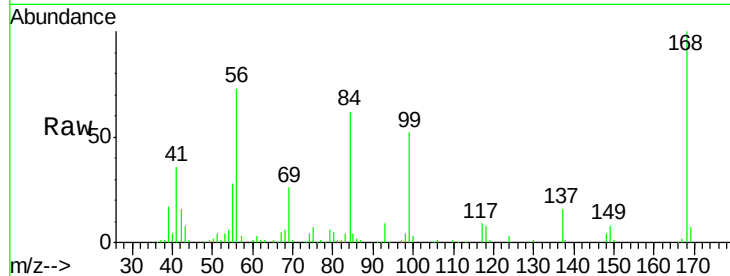
99 52.1 42.0 63.0

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Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028998.D (-1168) (-)

4.98

60000

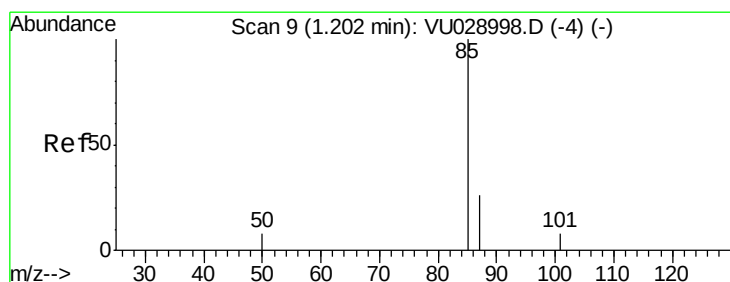
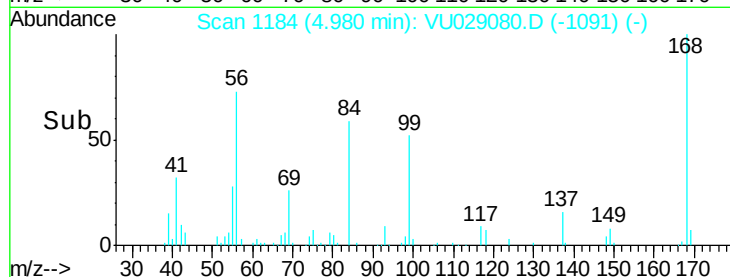
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029080.D

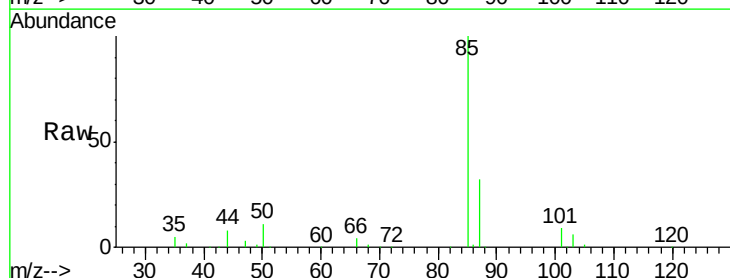
Acq: 09 Jan 2019 09:07

Tgt Ion: 85 Resp: 62855

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

Ion 86.90 (86.60 to 87.60): VU028998.D (-4) (-)

1.21

60000

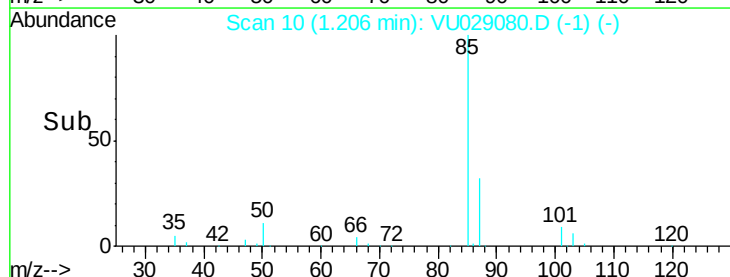
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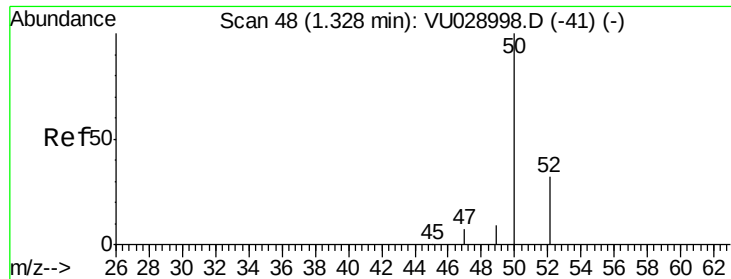
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.472 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 96554

Ion Ratio Lower Upper

50 100

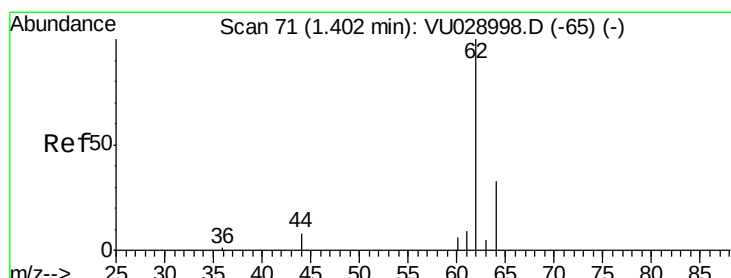
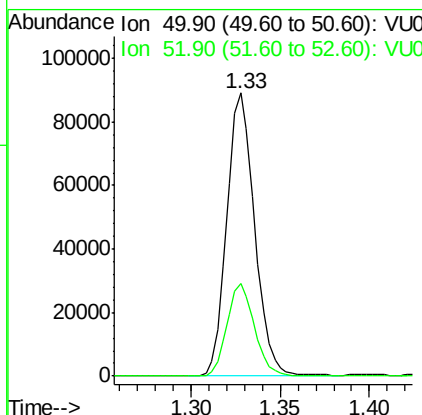
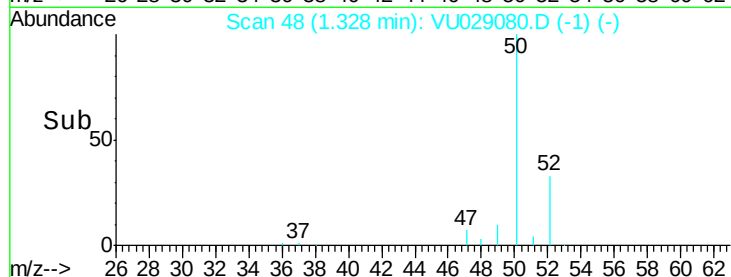
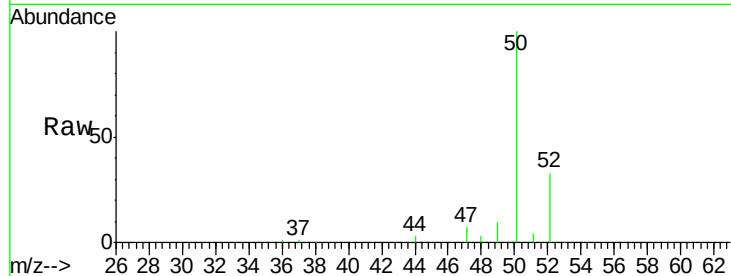
52 32.5 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.249 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029080.D

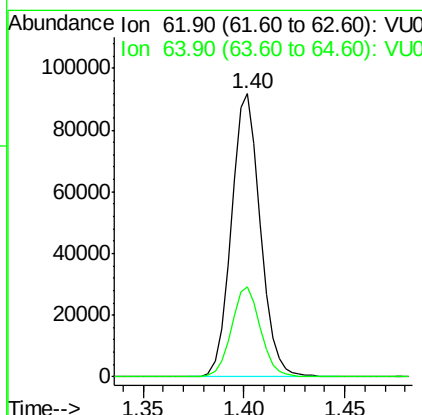
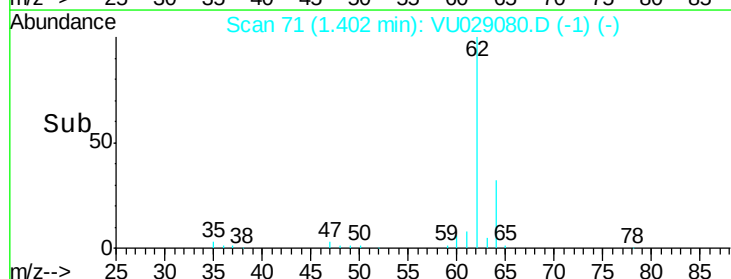
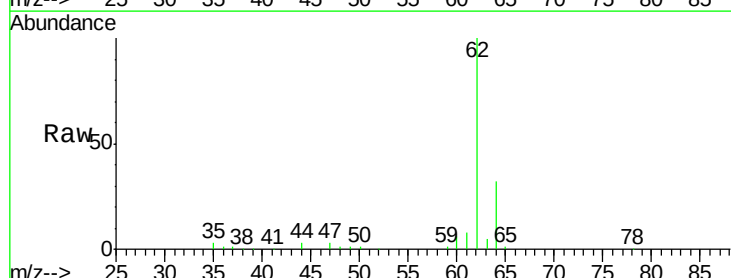
Acq: 09 Jan 2019 09:07

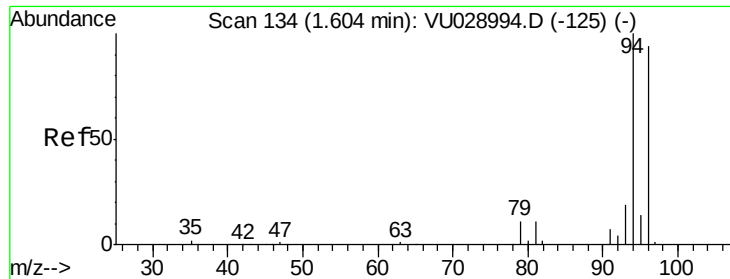
Tgt Ion: 62 Resp: 92459

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9





#5

Bromomethane

Concen: 48.129 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 47529

Ion Ratio Lower Upper

94 100

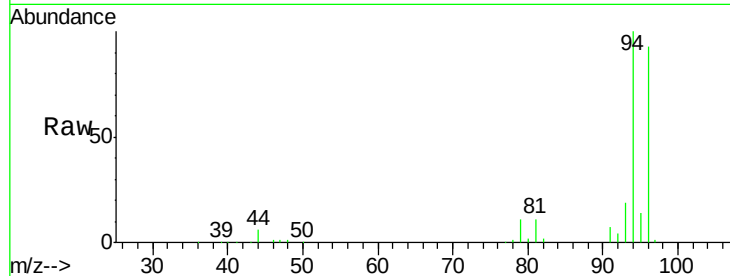
96 93.7 75.5 113.3

Manual Integrations

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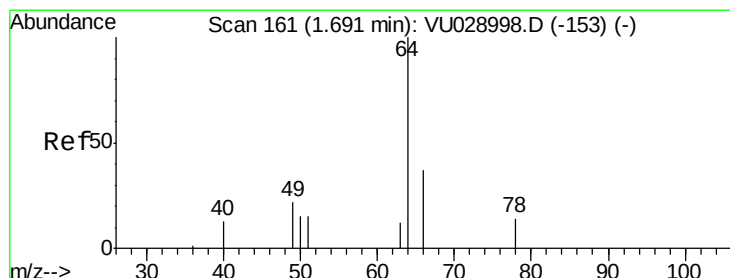
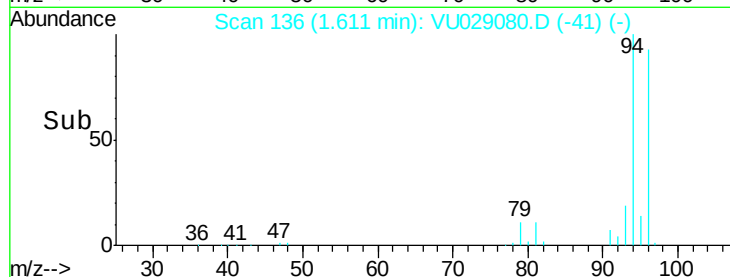
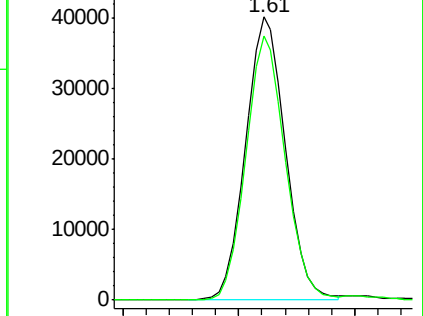
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 46.993 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029080.D

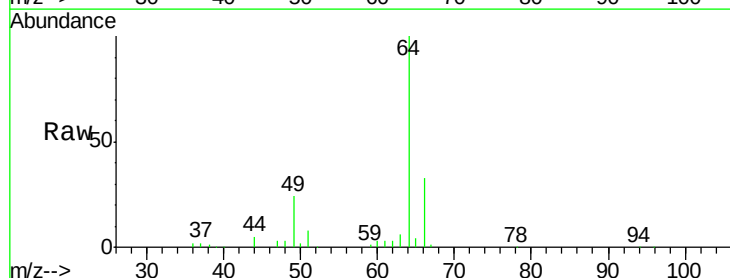
Acq: 09 Jan 2019 09:07

Tgt Ion: 64 Resp: 53639

Ion Ratio Lower Upper

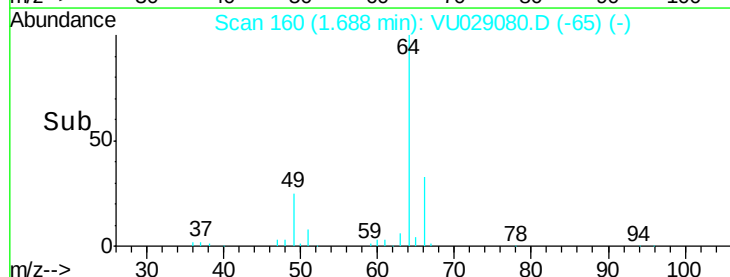
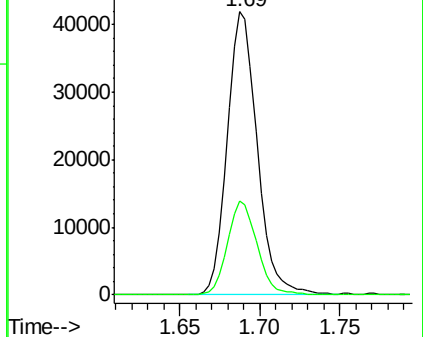
64 100

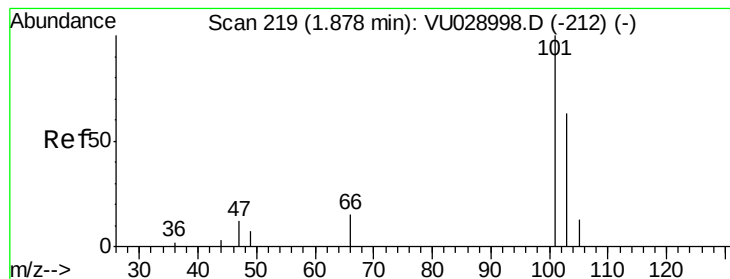
66 33.0 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

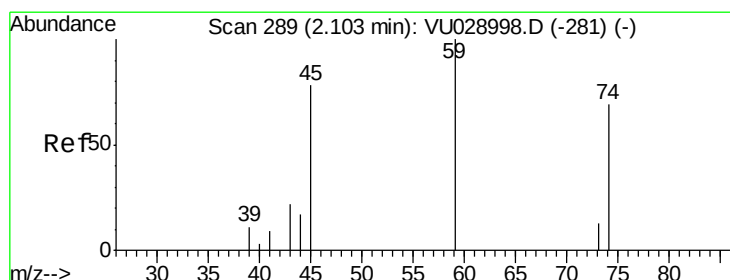
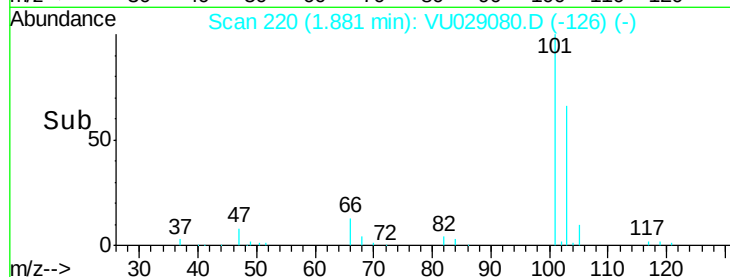
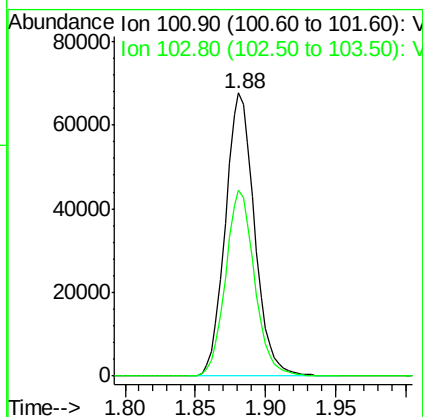
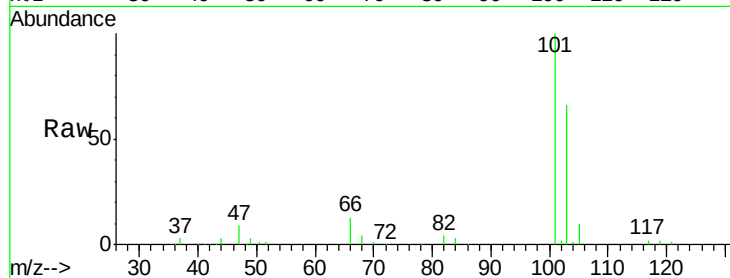
Trichlorofluoromethane
Concen: 47.007 ug/l
RT: 1.88 min Scan# 220
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 98156
Ion Ratio Lower Upper
101 100
103 65.5 51.5 77.3

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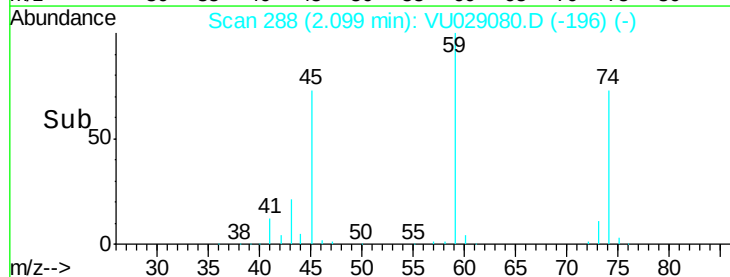
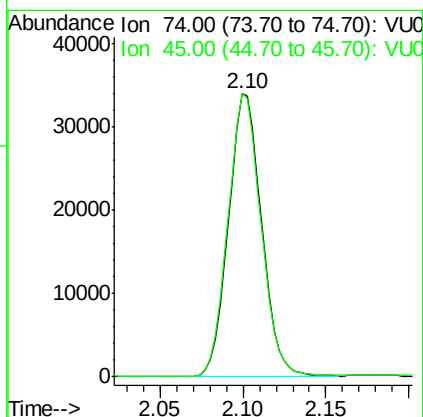
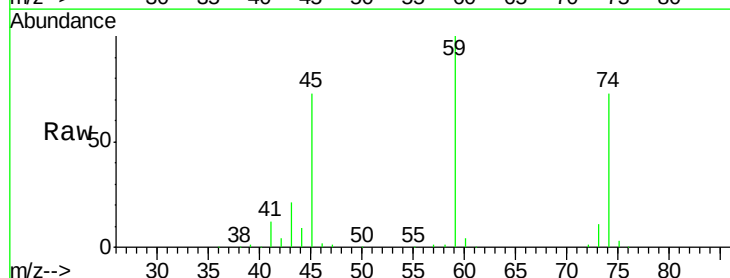
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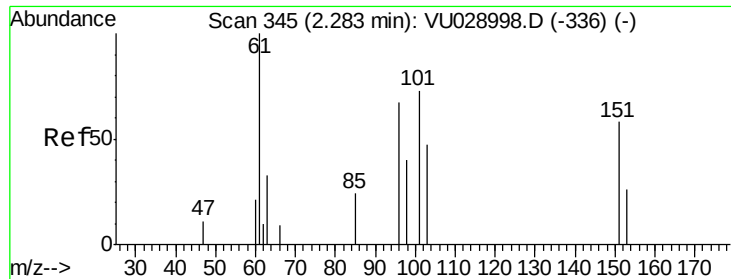


#8

Diethyl Ether
Concen: 47.363 ug/l
RT: 2.10 min Scan# 288
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 74 Resp: 47513
Ion Ratio Lower Upper
74 100
45 99.9 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.264 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

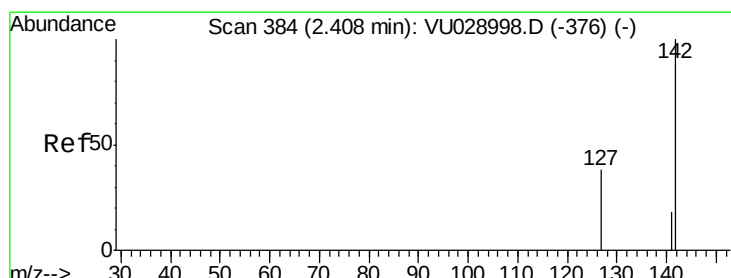
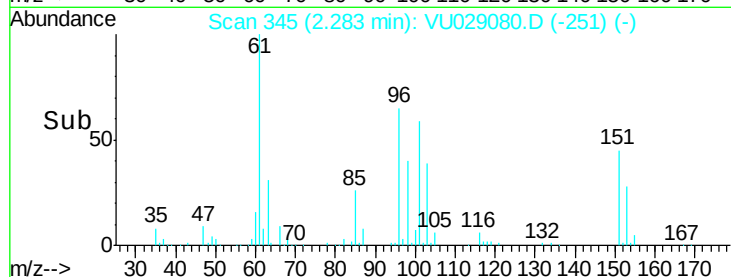
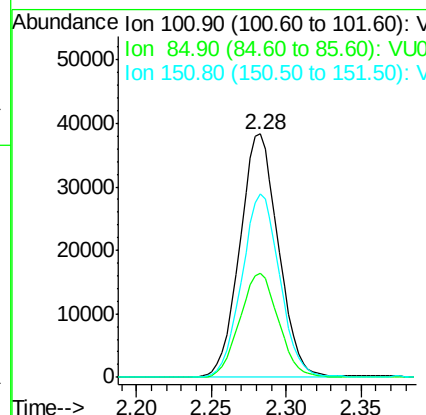
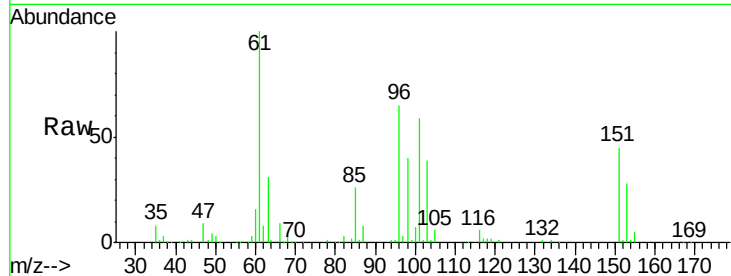
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	68829
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.1	52.7
151	74.3	60.2	90.2

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#10

Methyl Iodide

Concen: 50.808 ug/l

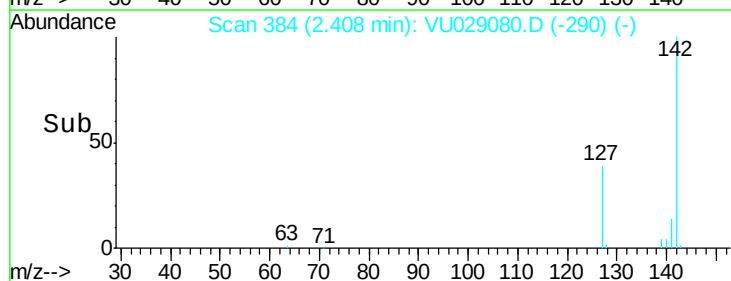
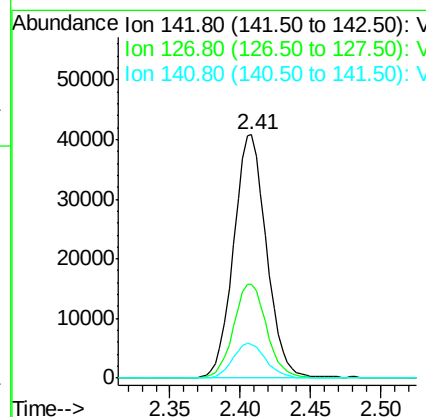
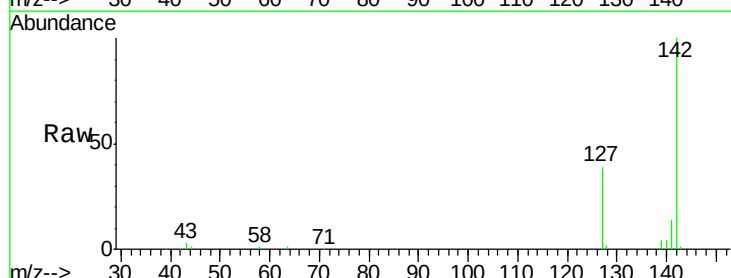
RT: 2.41 min Scan# 384

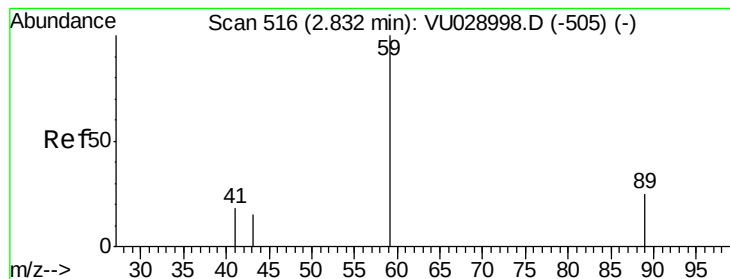
Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion:	142	Resp:	66747
Ion Ratio	Lower	Upper	
142	100		
127	38.8	29.8	44.6
141	14.3	11.5	17.3





#11

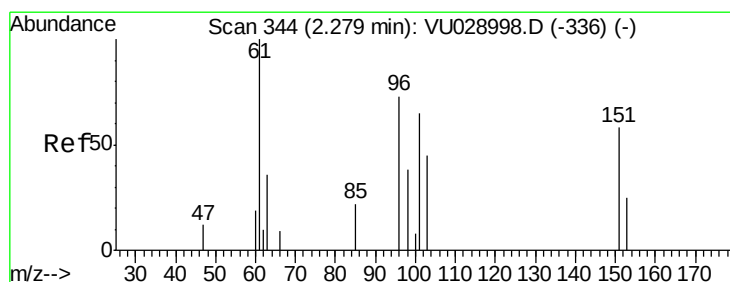
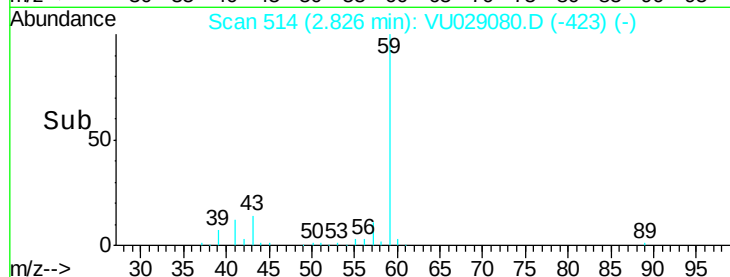
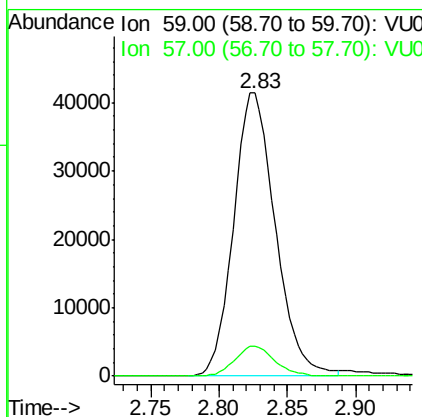
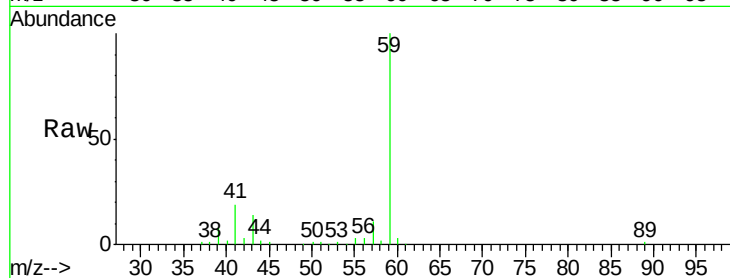
Tert butyl alcohol
Concen: 213.225 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.01 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 87852
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9

Manual Integrations
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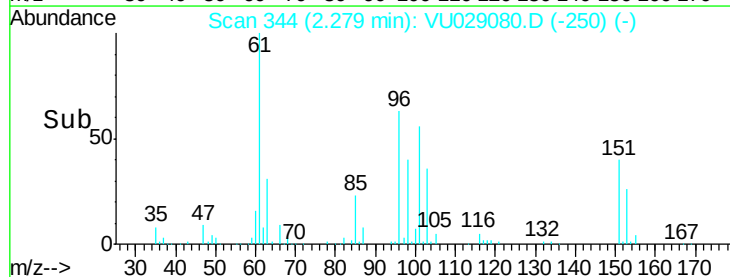
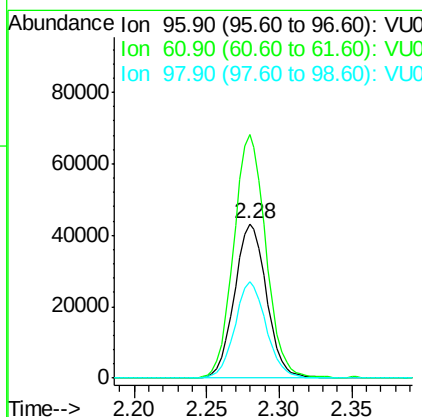
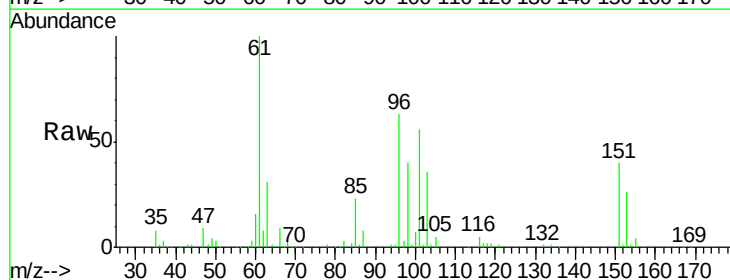
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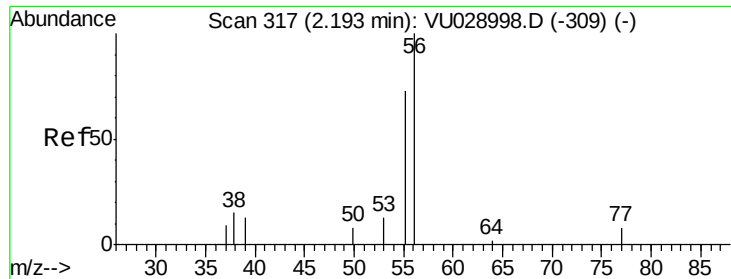


#12

1,1-Dichloroethene
Concen: 48.743 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 96 Resp: 66287
Ion Ratio Lower Upper
96 100
61 158.1 125.4 188.0
98 62.6 49.7 74.5





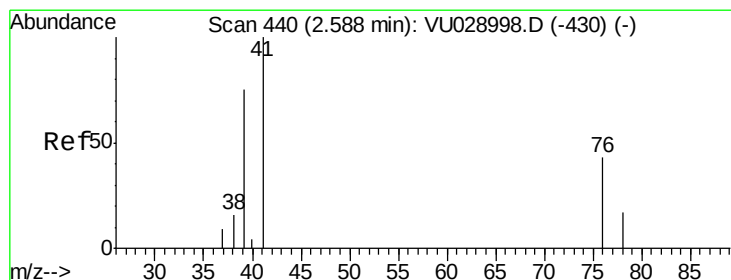
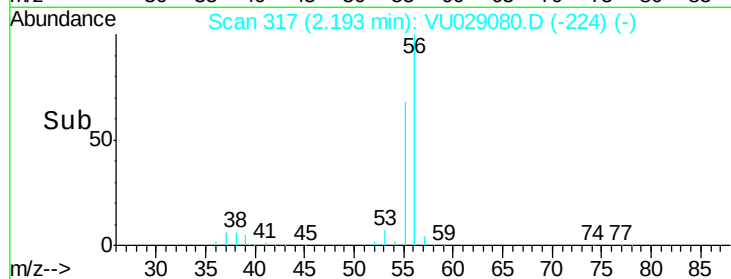
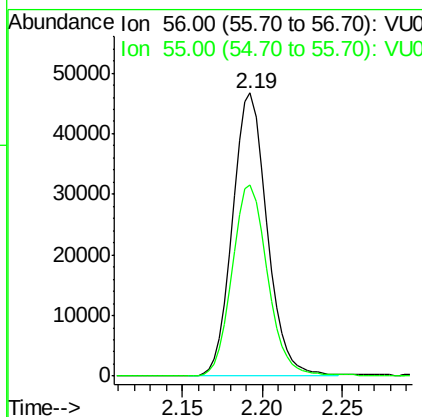
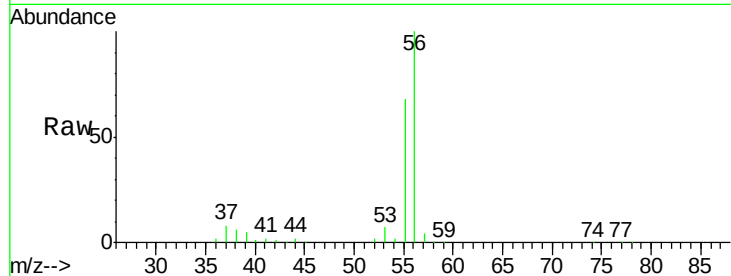
#13
Acrolein
Concen: 221.780 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	Resp	68614
Lower	56.5					
Upper	84.7					

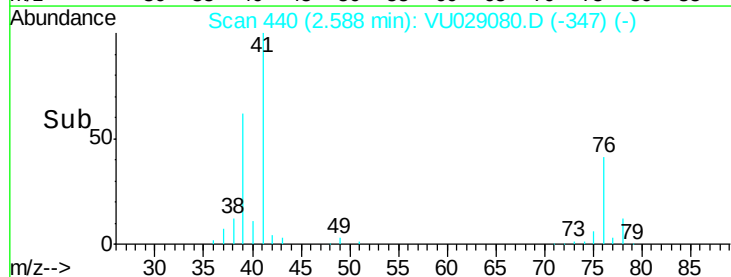
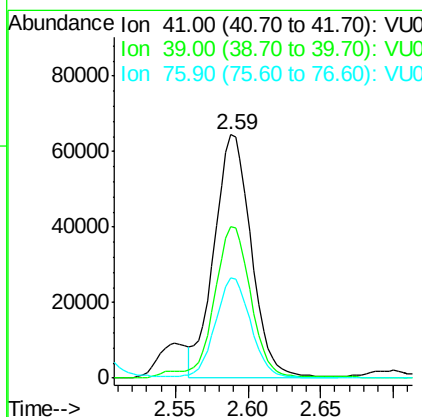
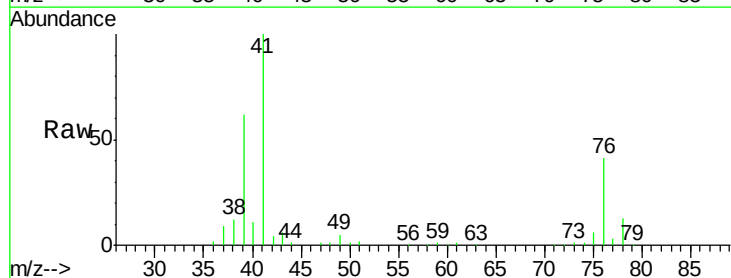
Manual Integrations
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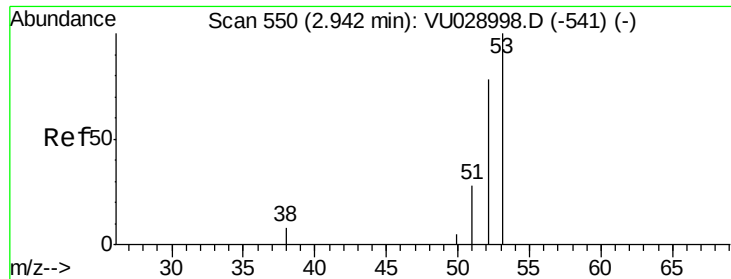
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#14
Allyl chloride
Concen: 46.015 ug/l
RT: 2.59 min Scan# 440
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	41	39	76	Ratio	100	Resp	114818
Lower	45.0						
Upper	67.6						





#15

Acrylonitrile

Concen: 257.777 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

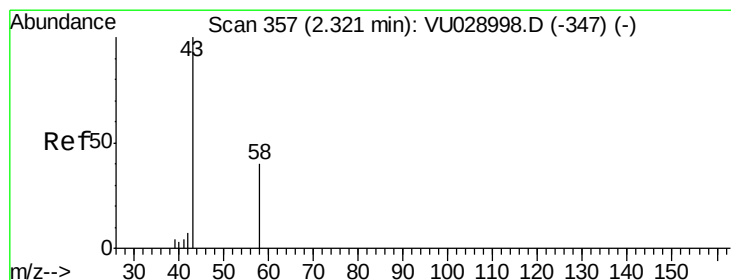
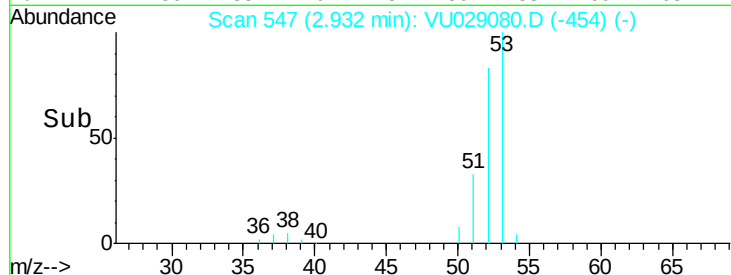
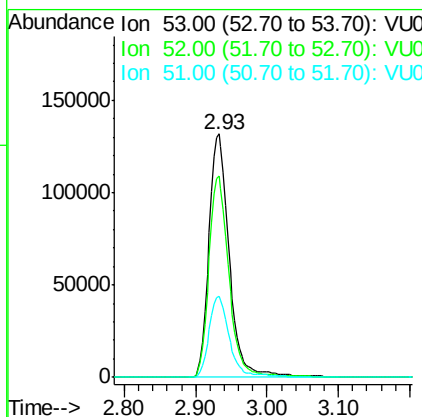
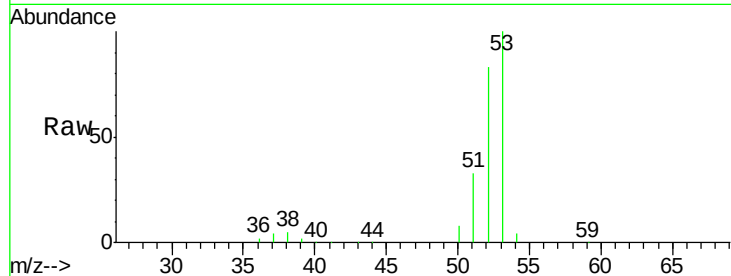
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	260565
Ion	Ratio	Lower	Upper
53	100		
52	80.8	64.8	97.2
51	33.5	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 272.141 ug/l

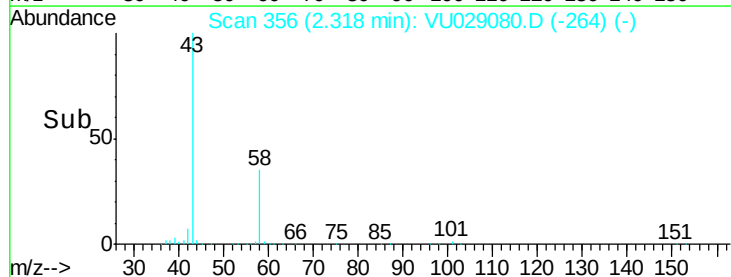
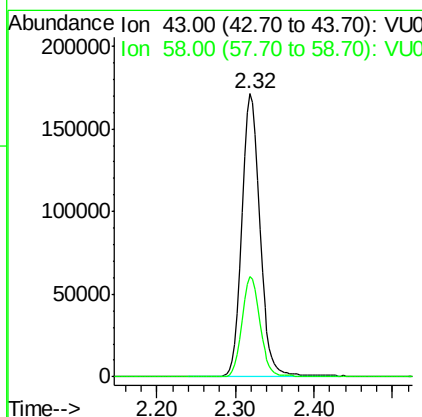
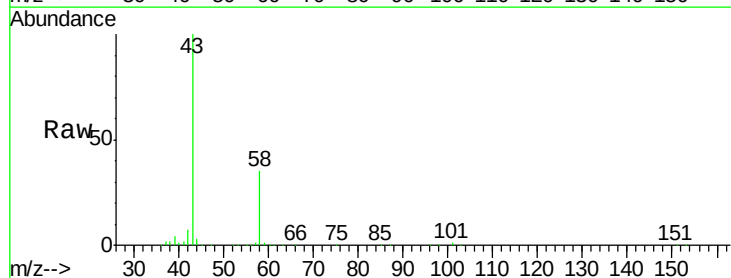
RT: 2.32 min Scan# 356

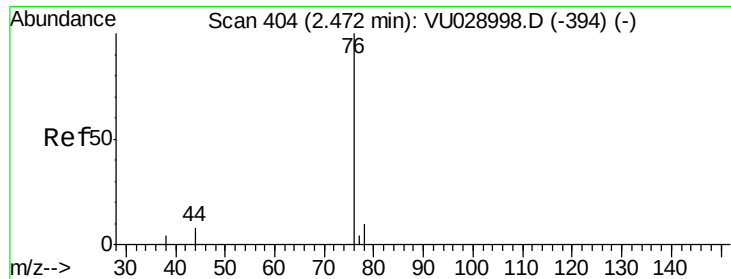
Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion:	43	Resp:	277888
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.6	42.8





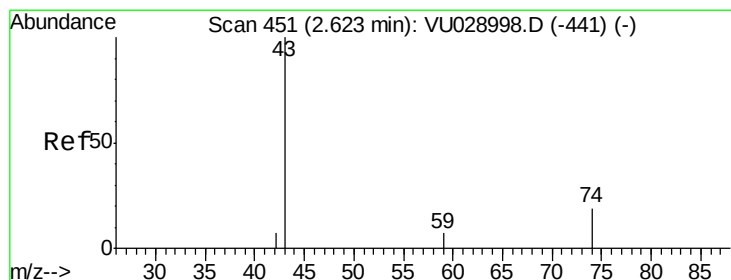
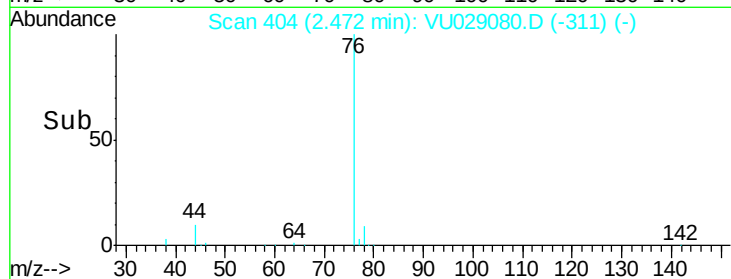
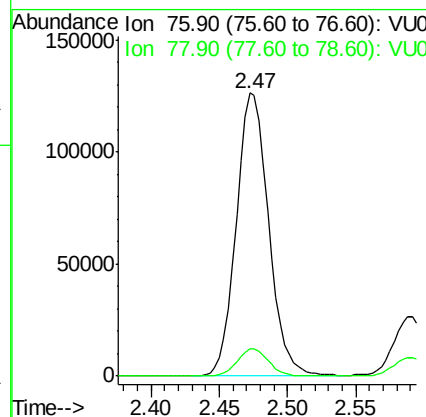
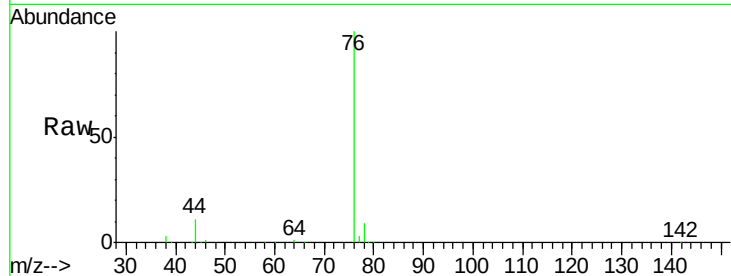
#17
Carbon Disulfide
Concen: 46.346 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 208892
Ion Ratio Lower Upper
76 100
78 9.5 7.2 10.8

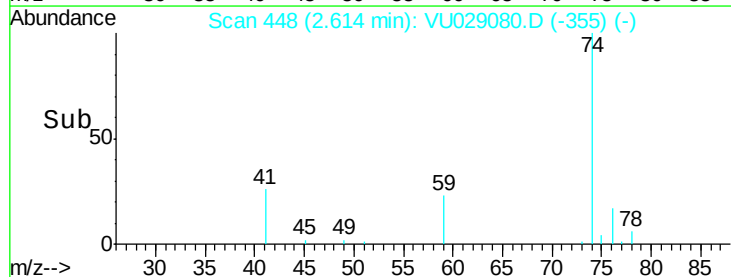
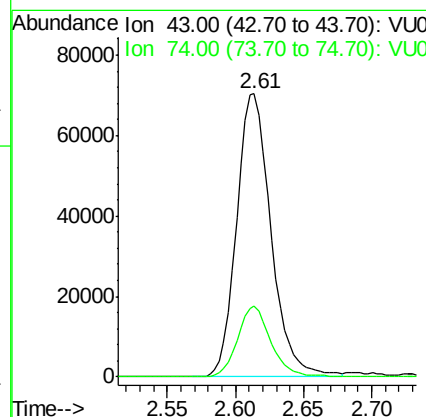
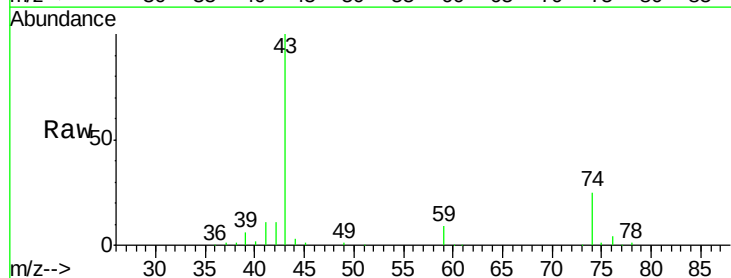
Manual Integrations
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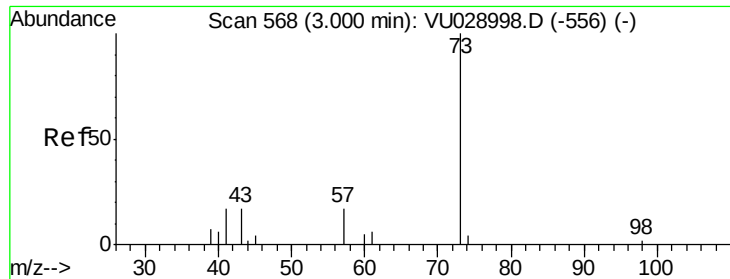
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#18
Methyl Acetate
Concen: 51.972 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 43 Resp: 123397
Ion Ratio Lower Upper
43 100
74 24.3 19.5 29.3





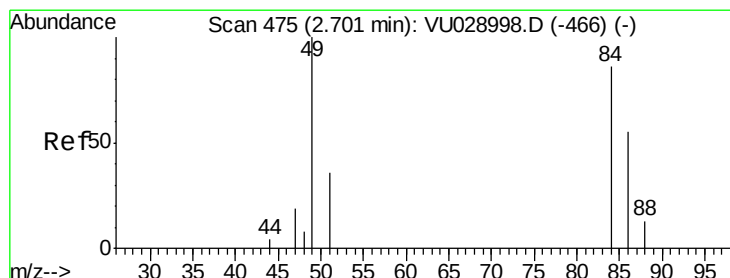
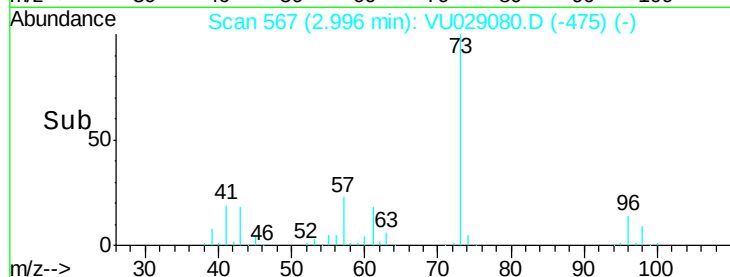
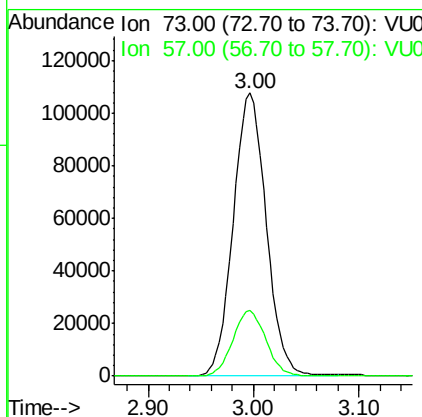
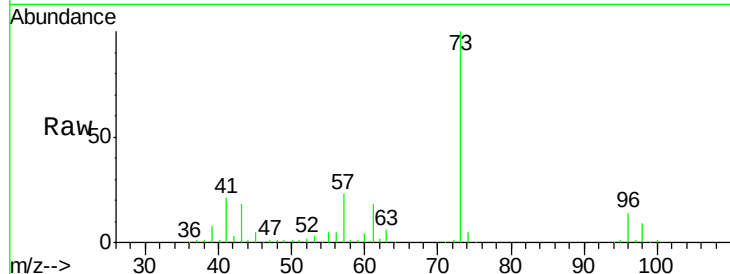
#19
Methyl tert-butyl Ether
Concen: 49.097 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 234738
Ion Ratio Lower Upper
73 100
57 23.0 18.6 28.0

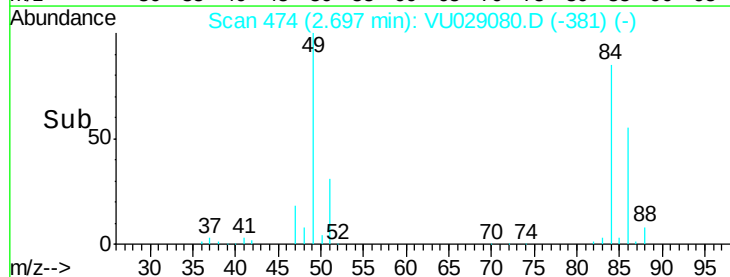
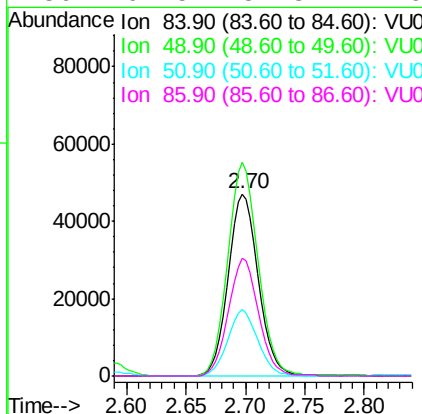
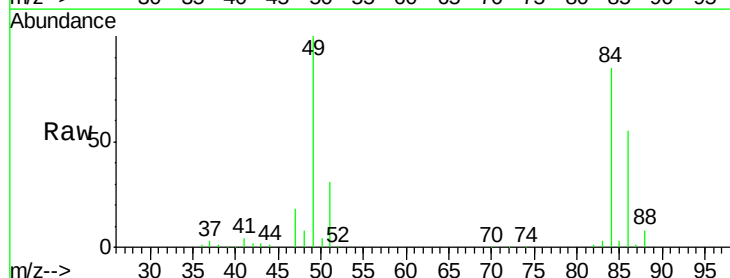
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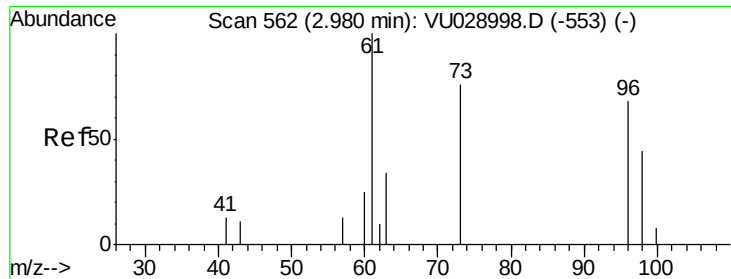
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#20
Methylene Chloride
Concen: 47.774 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 84 Resp: 82825
Ion Ratio Lower Upper
84 100
49 117.1 91.9 137.9
51 36.4 29.2 43.8
86 64.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.975 ug/l

RT: 2.98 min Scan# 561

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 74220

Ion Ratio Lower Upper

96 100

61 139.7 107.7 161.5

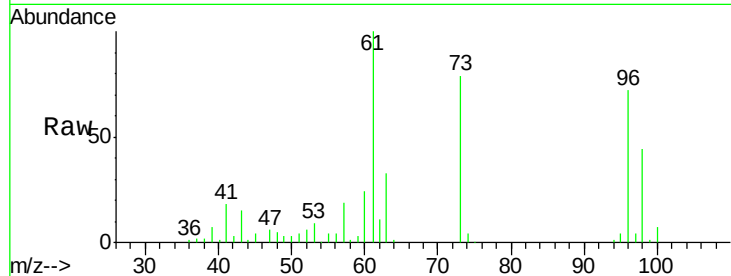
98 61.7 49.2 73.8

Manual Integrations

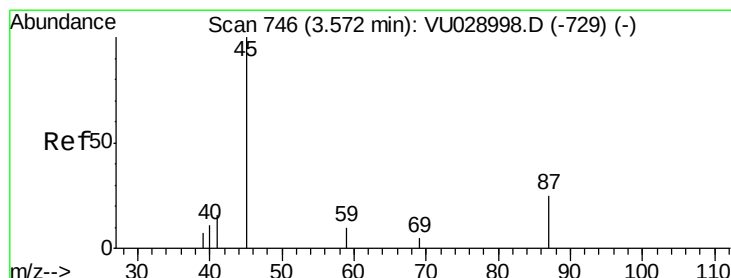
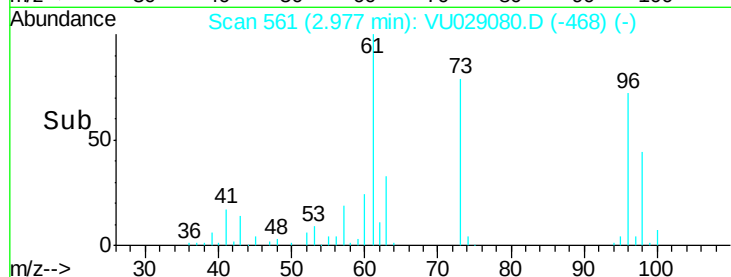
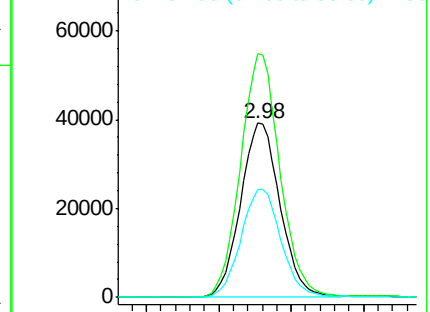
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Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 50.651 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion: 45 Resp: 249783

Ion Ratio Lower Upper

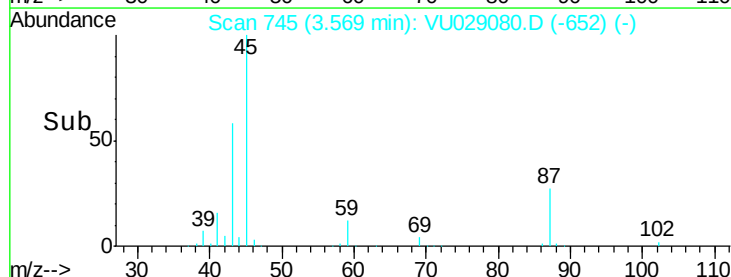
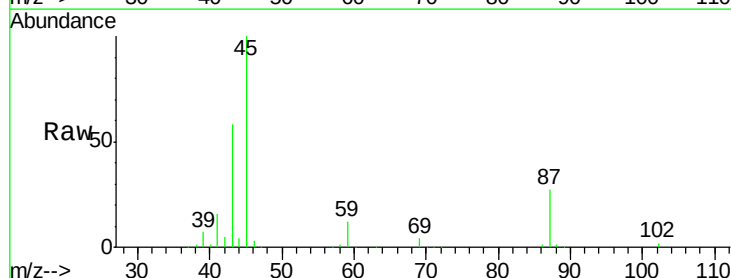
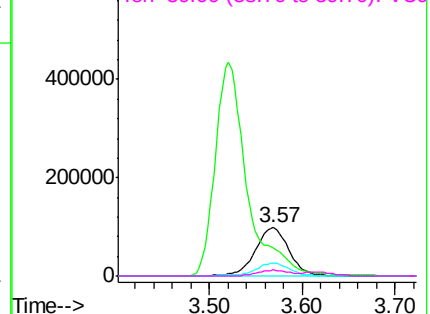
45 100

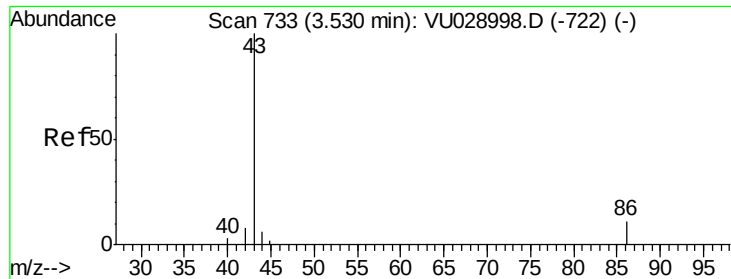
43 55.8 44.7 67.1

87 27.4 22.2 33.2

59 12.1 9.8 14.8

Abundance Ion 45.00 (44.70 to 45.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 87.00 (86.70 to 87.70): VU0
Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 259.528 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1046295

Ion Ratio Lower Upper

43 100

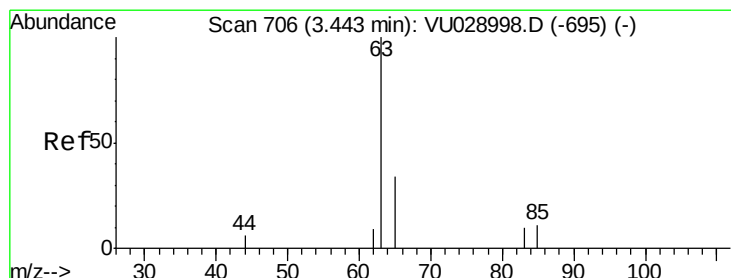
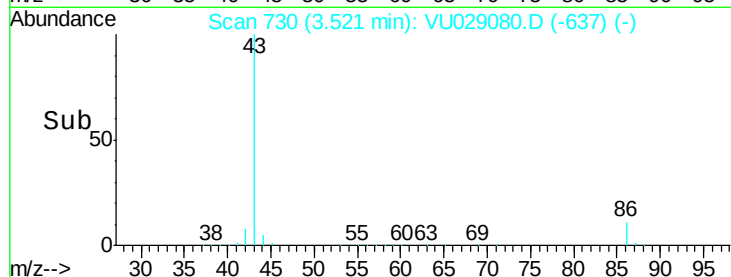
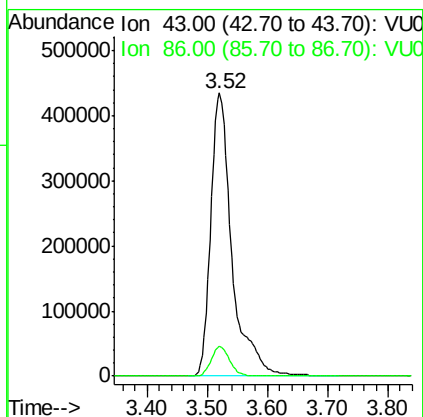
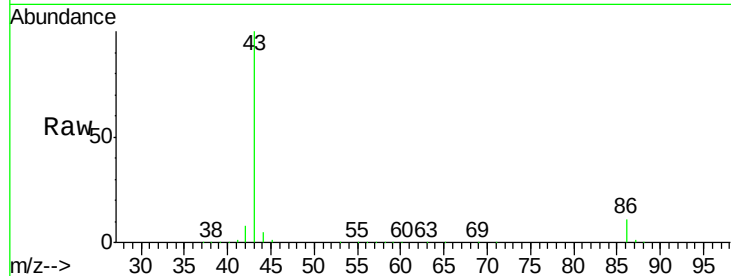
86 10.6 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 50.588 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

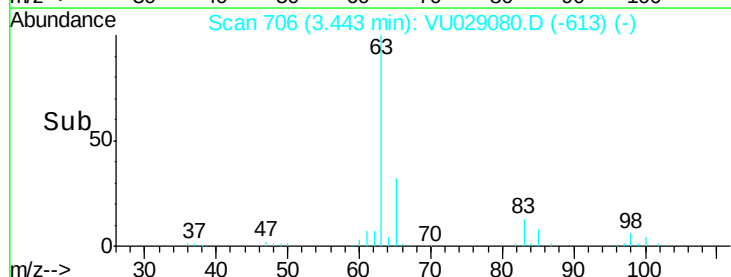
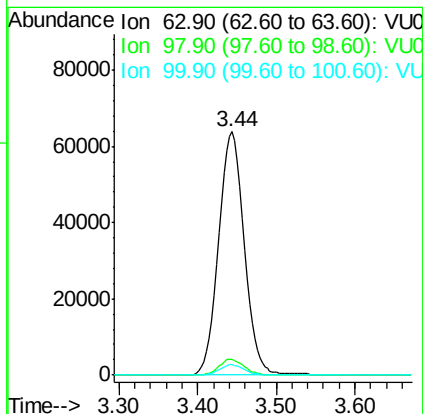
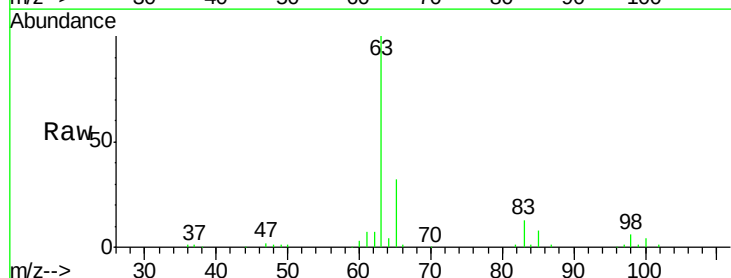
Tgt Ion: 63 Resp: 144014

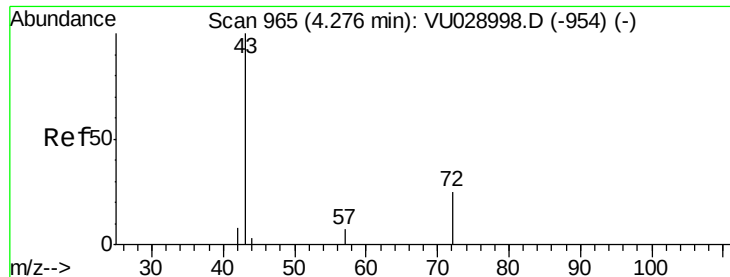
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 269.152 ug/l

RT: 4.26 min Scan# 959

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 371207

Ion Ratio Lower Upper

43 100

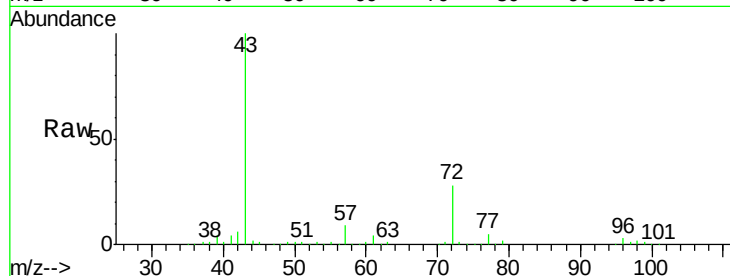
72 28.3 22.6 33.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028998.D (-954) (-)

Ion 72.00 (71.70 to 72.70): VU028998.D (-954) (-)

150000

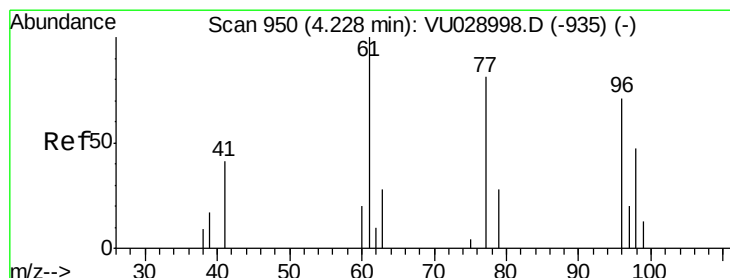
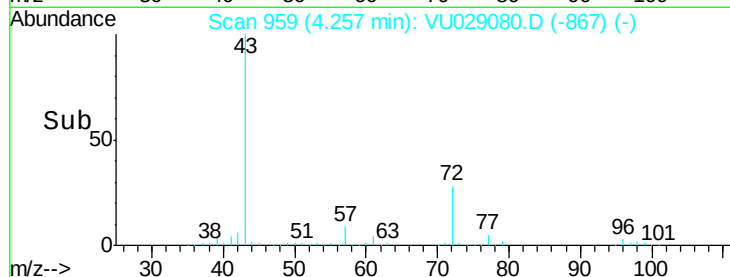
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 50.387 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029080.D

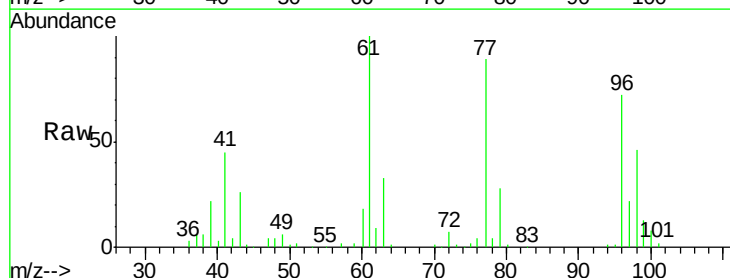
Acq: 09 Jan 2019 09:07

Tgt Ion: 77 Resp: 115906

Ion Ratio Lower Upper

77 100

97 24.2 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VU029080.D (-856) (-)

Ion 96.90 (96.60 to 97.60): VU029080.D (-856) (-)

50000

40000

30000

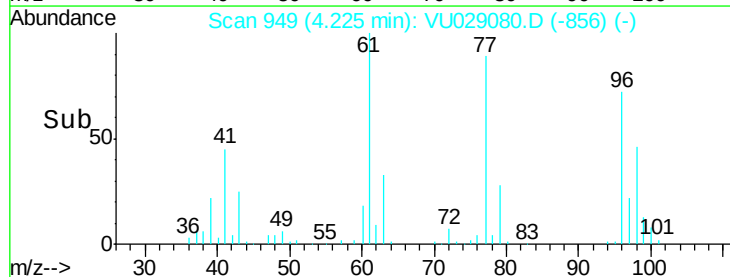
20000

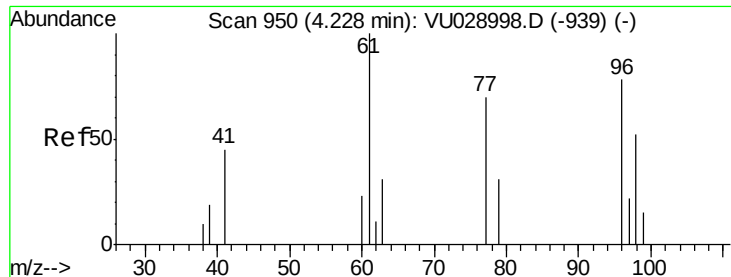
10000

0

4.10 4.20 4.30

Time-->





#27

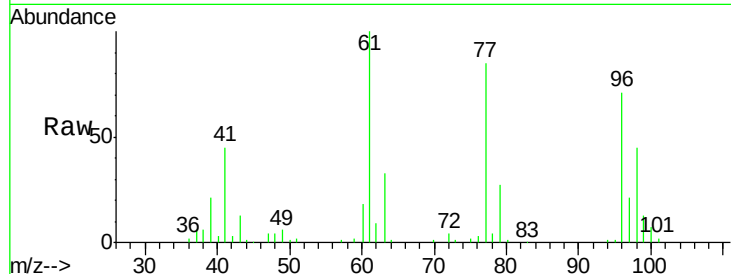
cis-1,2-Dichloroethene
Concen: 49.191 ug/l
RT: 4.22 min Scan# 948
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

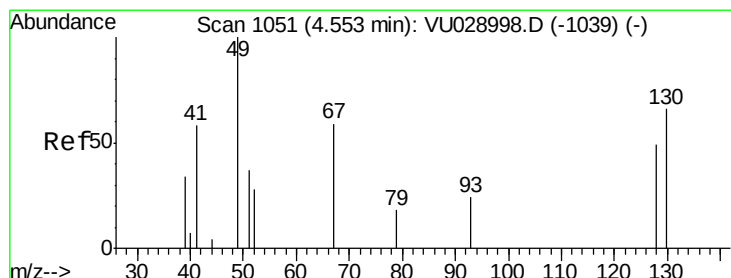
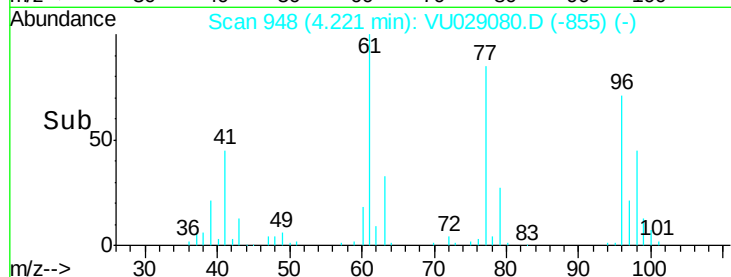
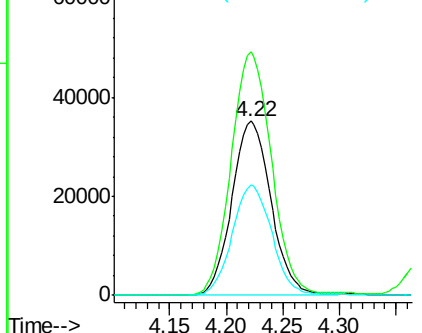
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	285.6
98	64.0	0.0	130.2

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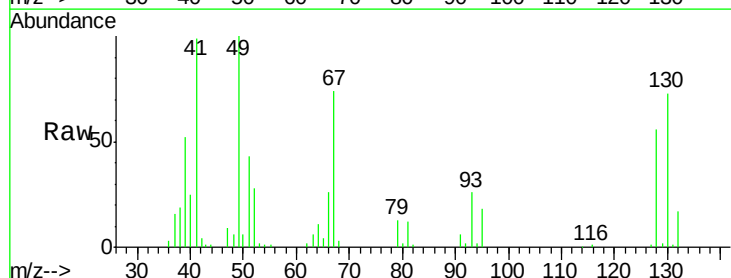
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



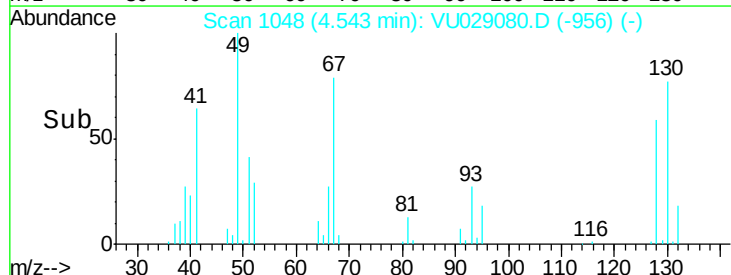
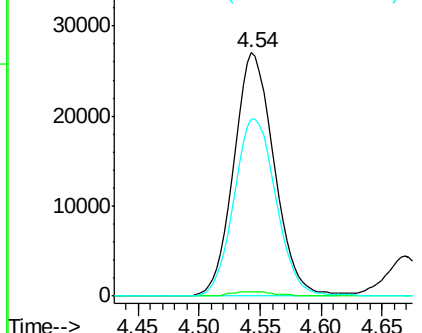
#28

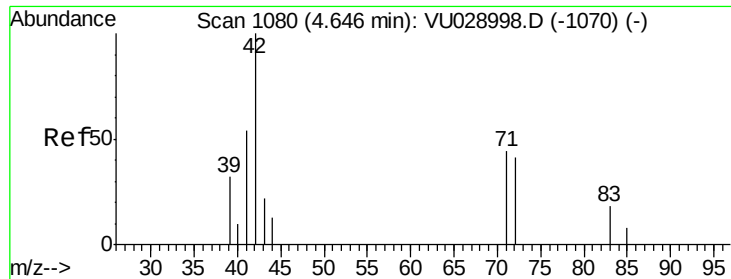
Bromochloromethane
Concen: 50.831 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.4
130	75.5	62.9	94.3



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





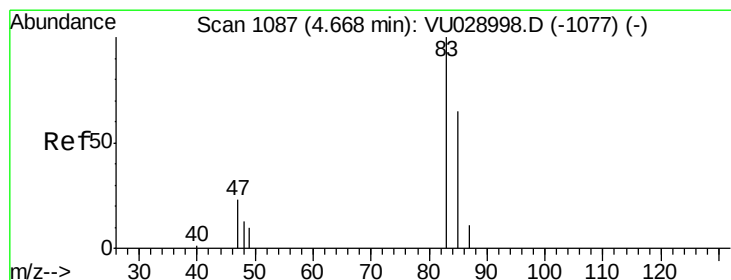
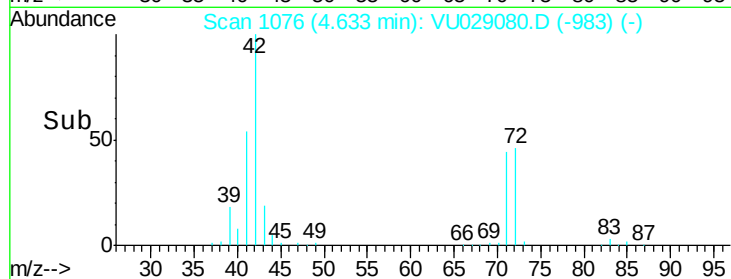
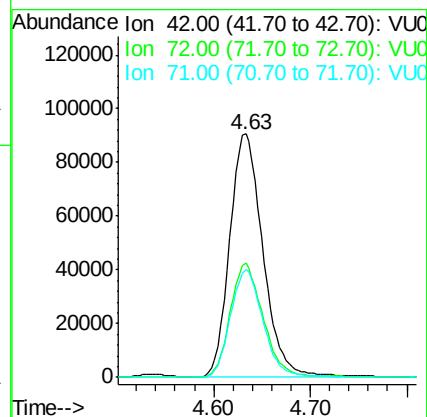
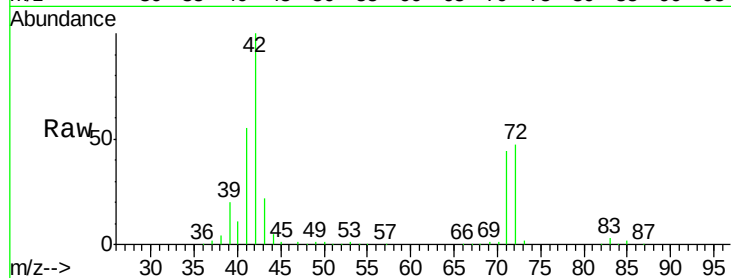
#29
Tetrahydrofuran
Concen: 257.420 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	38.3	57.5
71	43.4	36.1	54.1

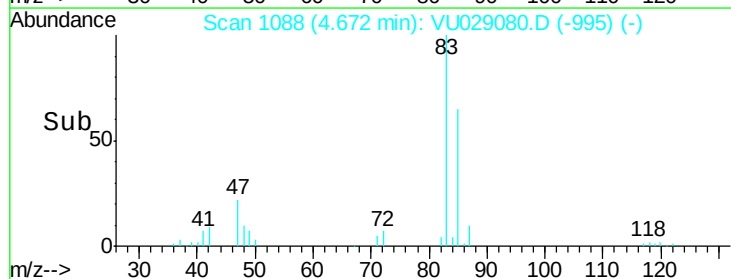
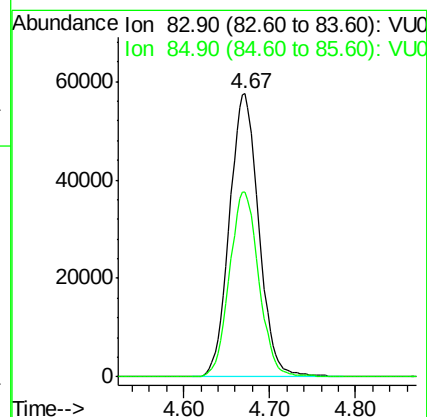
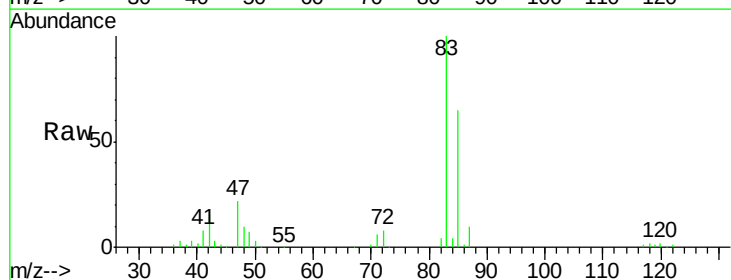
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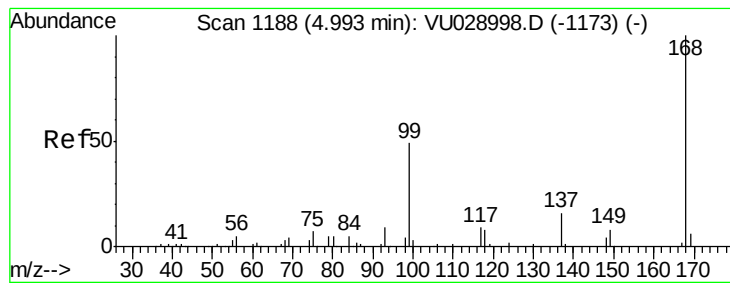
MMDadoda
1/10/2019 9:38:26 AM



#30
Chloroform
Concen: 50.294 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	53.4	80.0





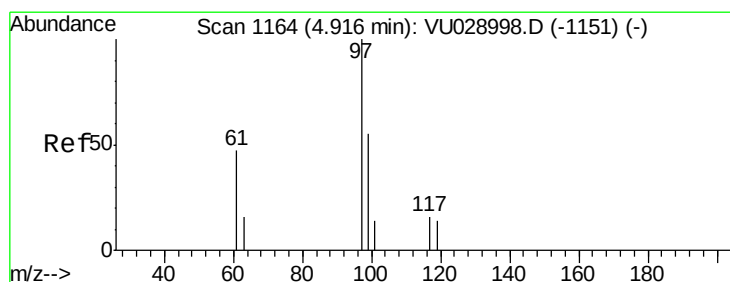
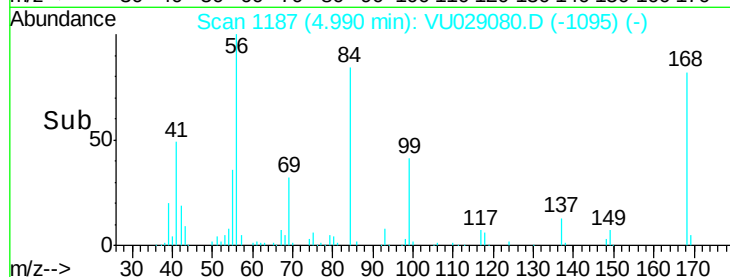
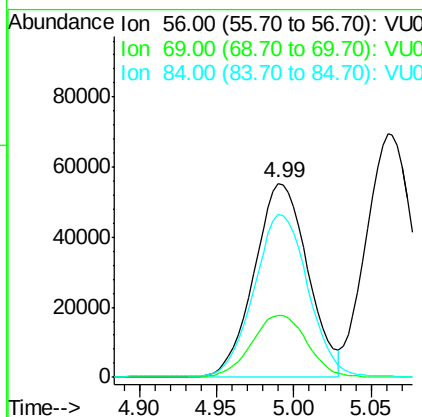
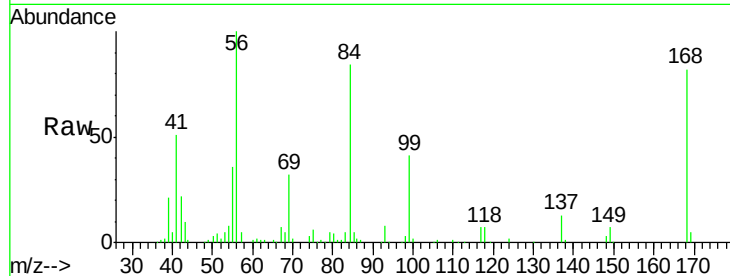
#31
Cyclohexane
Concen: 49.644 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.7	40.1
84	83.2	65.7	98.5

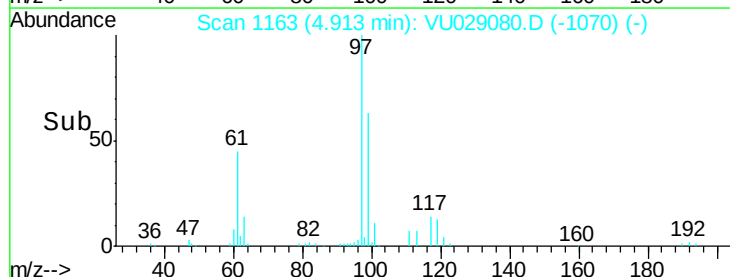
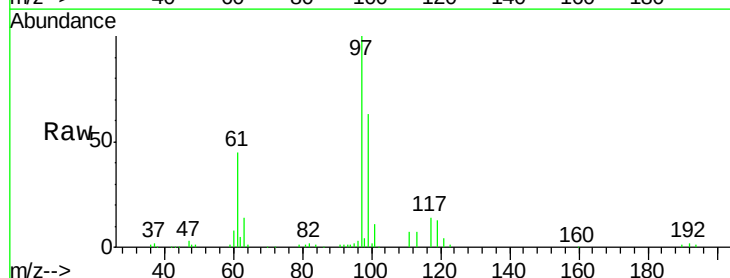
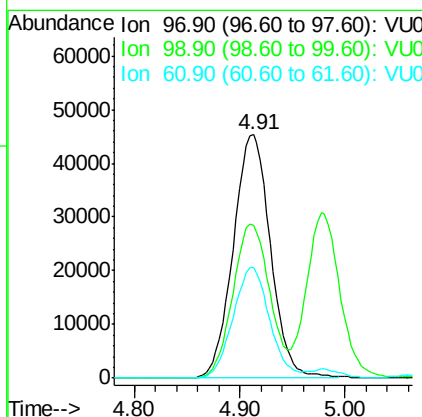
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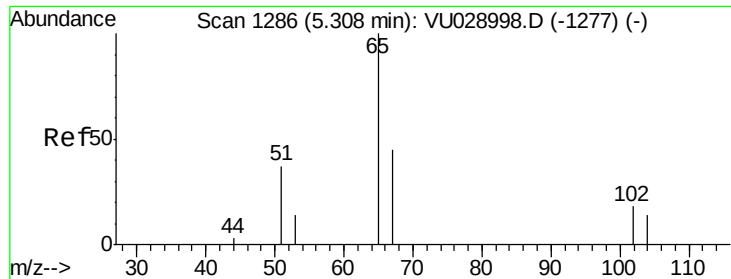
MMDadoda
1/10/2019 9:38:26 AM



#32
1,1,1-Trichloroethane
Concen: 49.563 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	44.5	34.4	51.6





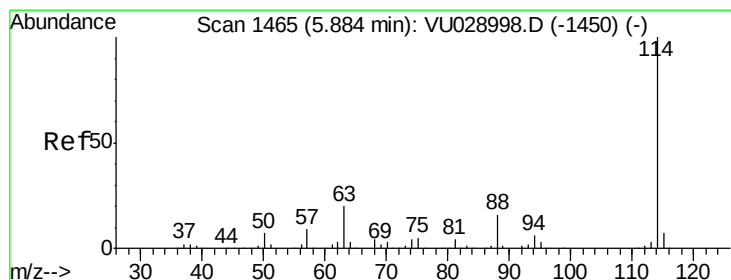
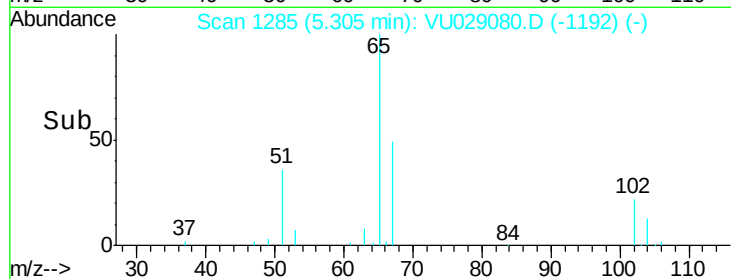
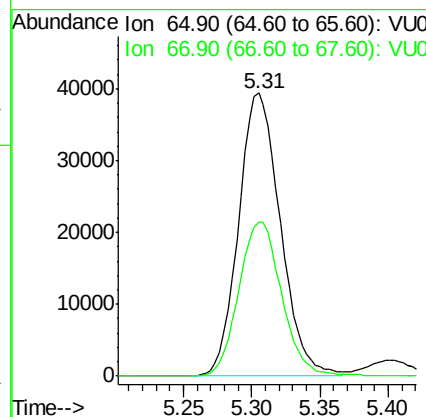
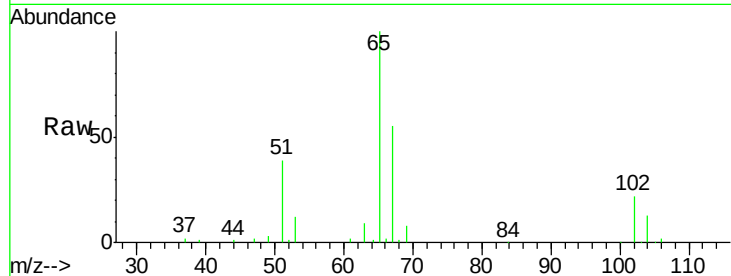
#33
 1,2-Dichloroethane-d4
 Concen: 51.725 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	111.0

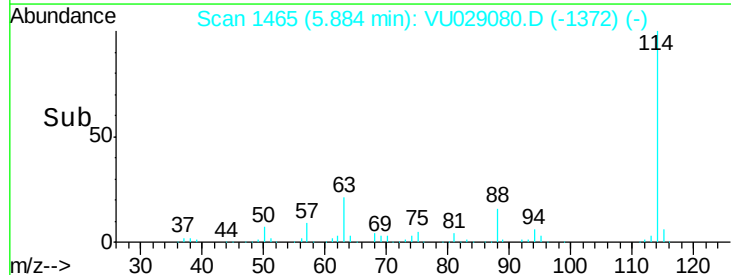
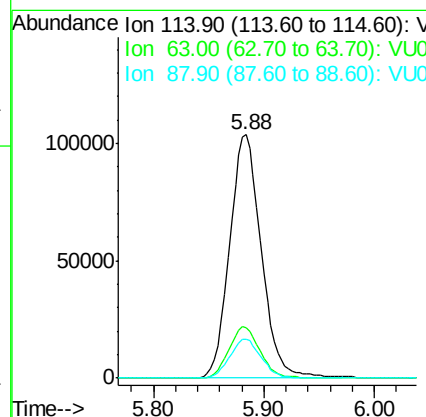
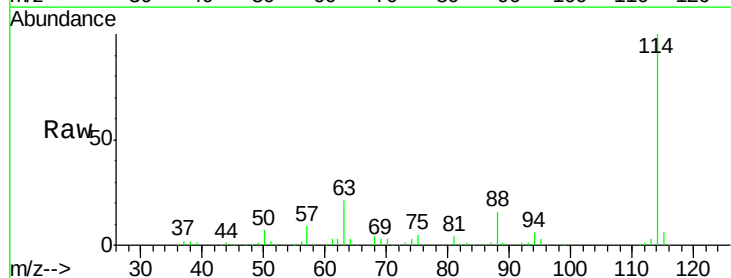
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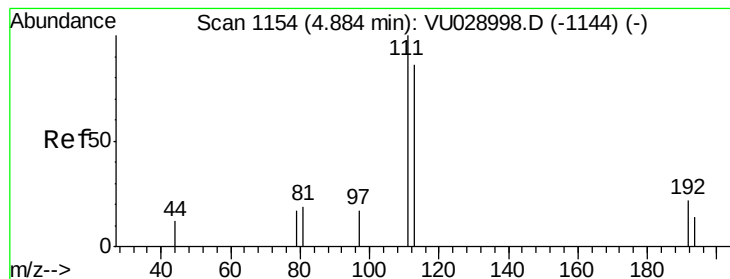
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	16.1	0.0	30.4





#35

Dibromofluoromethane

Concen: 52.183 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:113 Resp: 69718

Ion Ratio Lower Upper

113 100

111 104.3 81.4 122.2

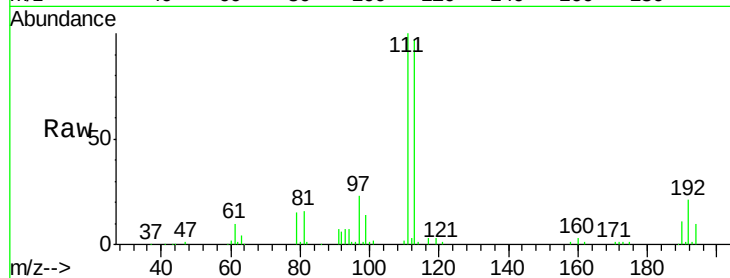
192 21.5 16.8 25.2

Manual Integrations

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MMDadoda

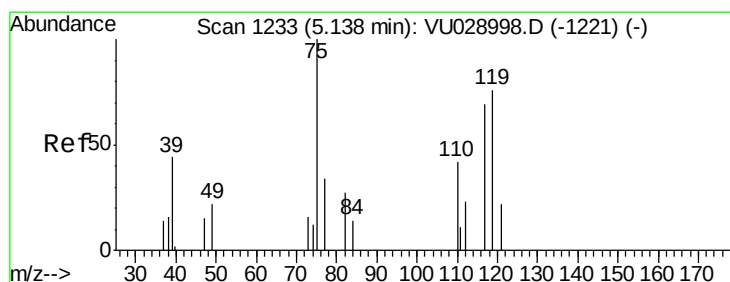
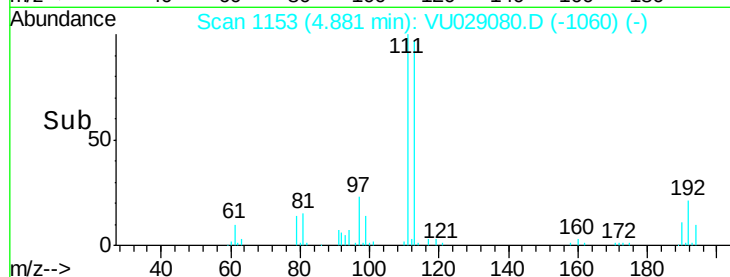
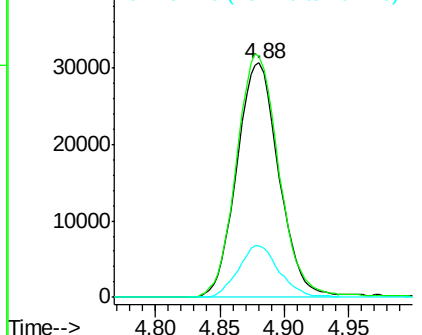
1/10/2019 9:38:26 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.249 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

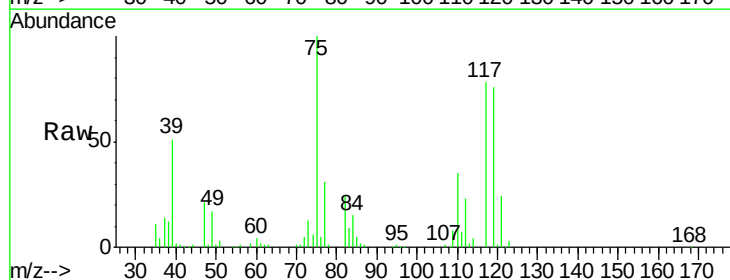
Tgt Ion: 75 Resp: 103518

Ion Ratio Lower Upper

75 100

110 35.3 18.4 55.4

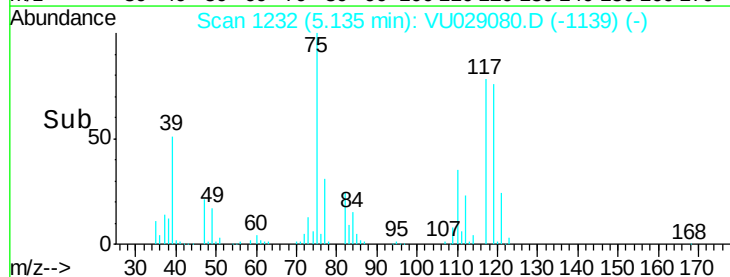
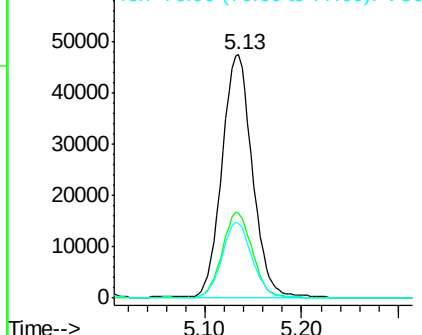
77 31.4 25.1 37.7

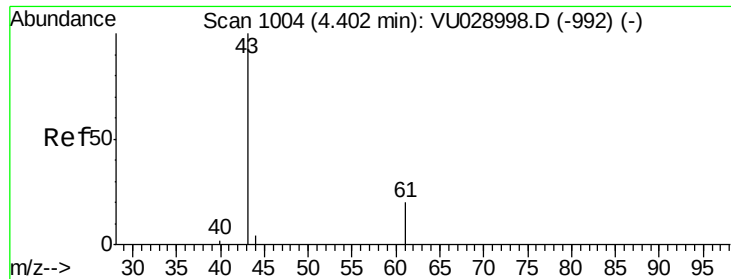


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





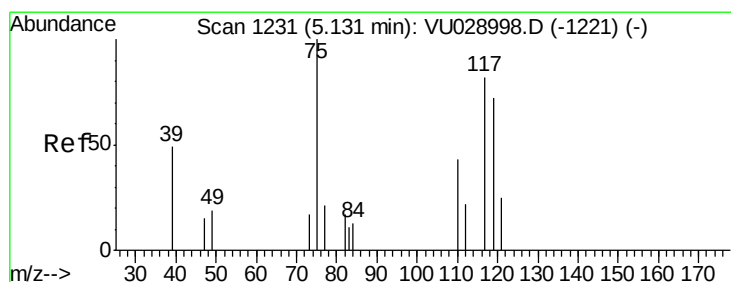
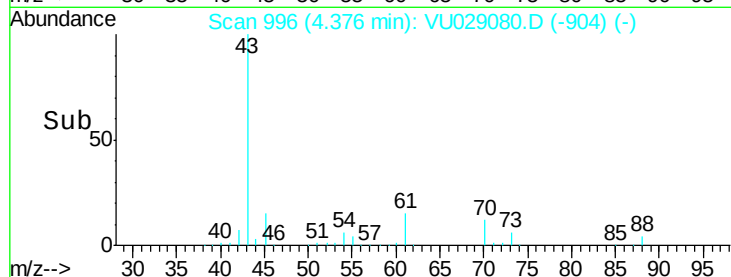
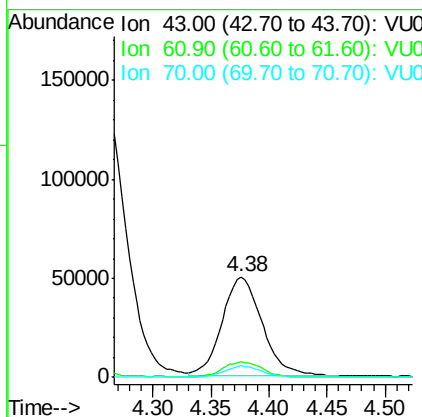
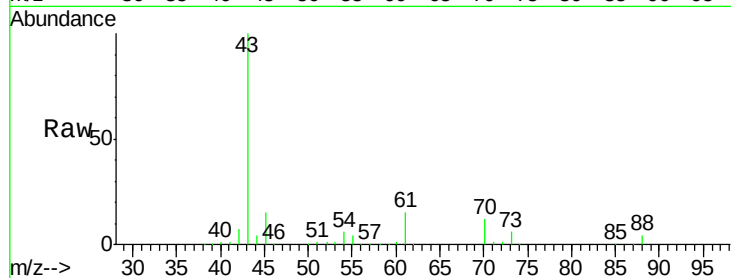
#37
Ethyl Acetate
Concen: 53.557 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.6	18.8
70	10.9	9.3	13.9

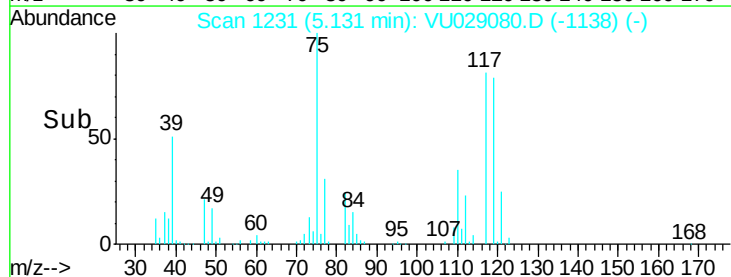
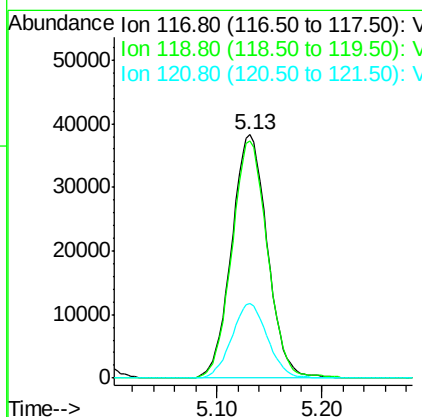
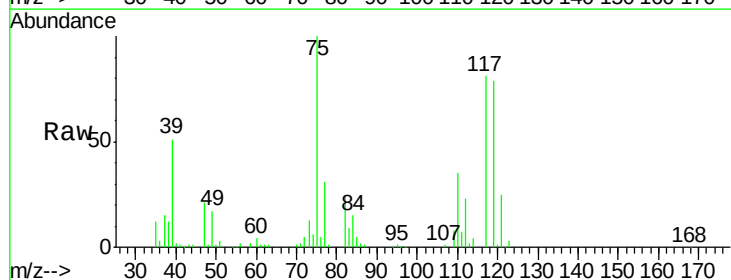
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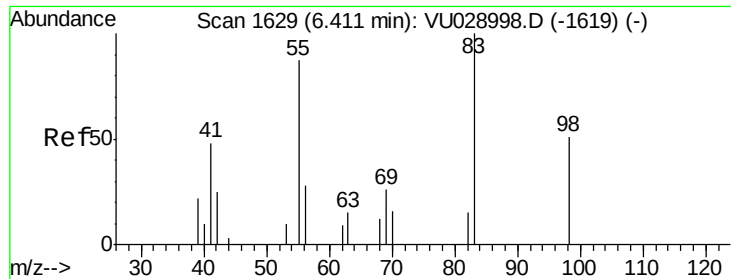
MMDadoda
1/10/2019 9:38:26 AM



#38
Carbon Tetrachloride
Concen: 52.324 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	74.6	111.8
121	30.5	25.0	37.6





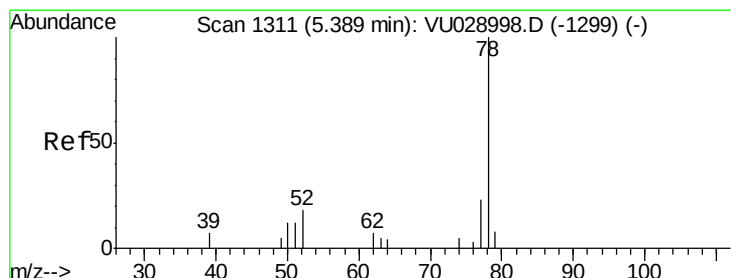
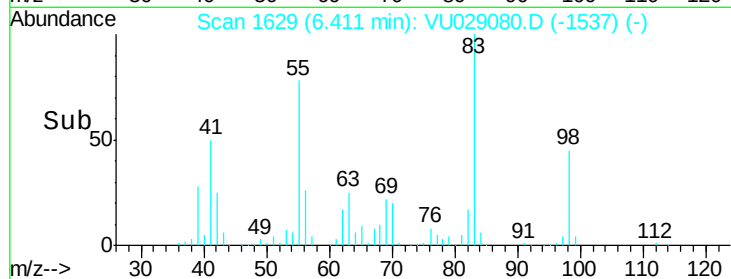
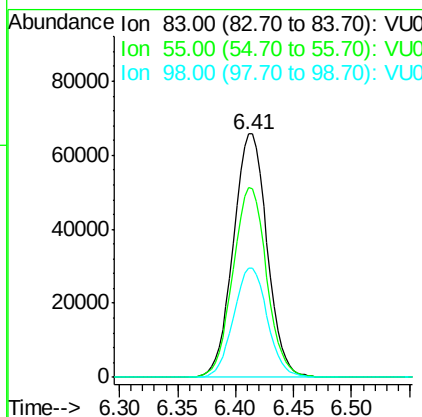
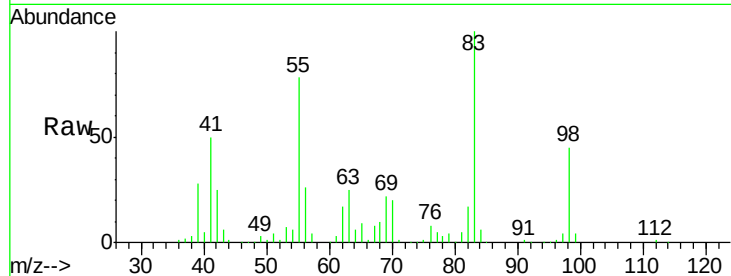
#39
Methylvlcyclohexane
Concen: 52.572 ug/l
RT: 6.41 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.2	62.4	93.6	
98	45.0	36.2	54.2	

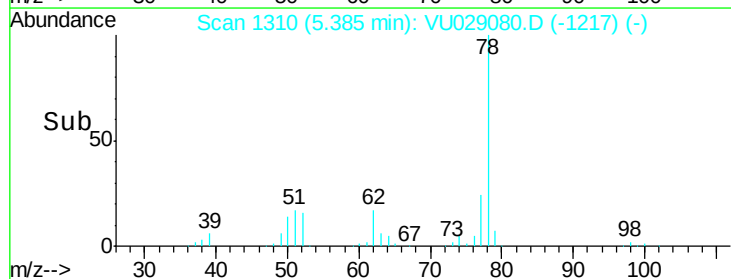
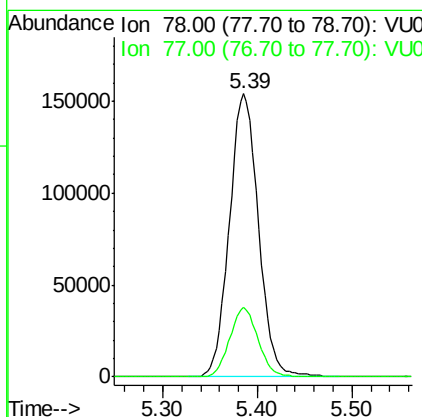
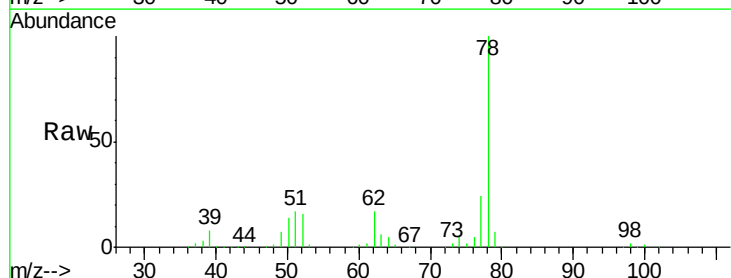
Manual Integrations
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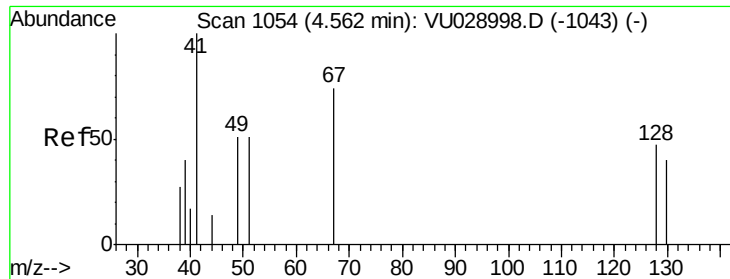
MMDadoda
1/10/2019 9:38:26 AM



#40
Benzene
Concen: 51.200 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	18.9	28.3	





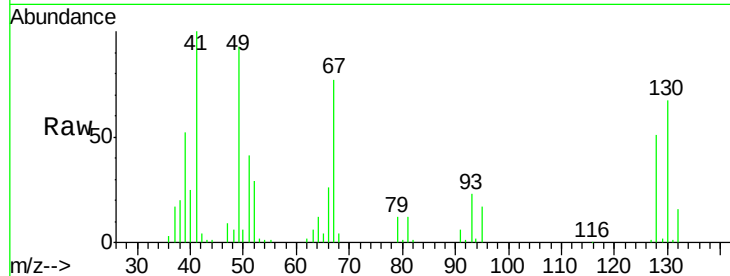
#41
Methacrylonitrile
Concen: 55.394 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

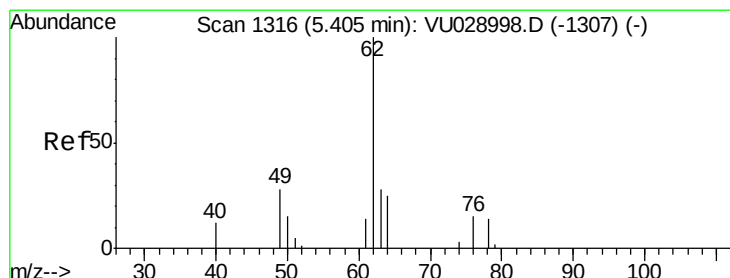
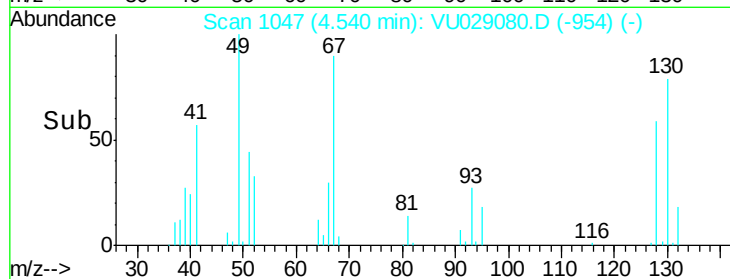
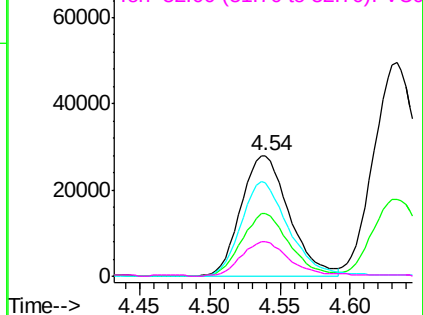
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.3	42.3	63.5	
67	77.7	64.4	96.6	
52	27.9	23.9	35.9	

Manual Integrations
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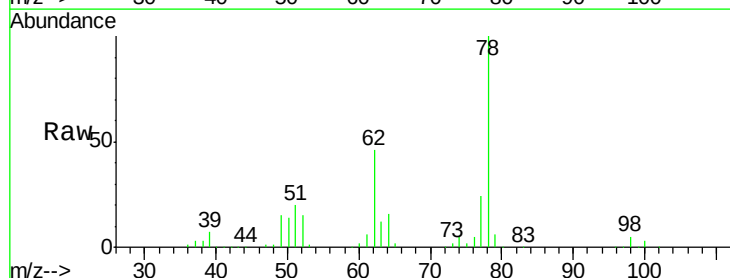


Abundance Ion 41.00 (40.70 to 41.70): VU028998.D (-1043) (-)
Ion 39.00 (38.70 to 39.70): VU028998.D (-1043) (-)
Ion 67.00 (66.70 to 67.70): VU028998.D (-1043) (-)
Ion 52.00 (51.70 to 52.70): VU028998.D (-1043) (-)

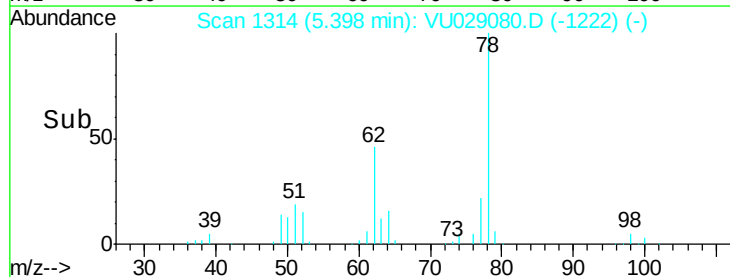
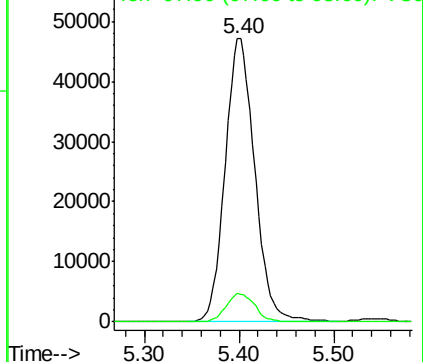


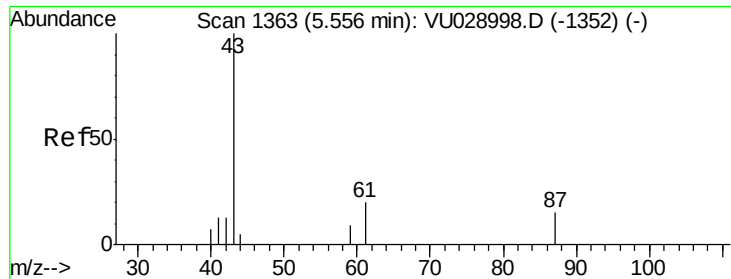
#42
1,2-Dichloroethane
Concen: 53.139 ug/l
RT: 5.40 min Scan# 1314
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	19.6	



Abundance Ion 61.90 (61.60 to 62.60): VU028998.D (-1307) (-)
Ion 97.90 (97.60 to 98.60): VU028998.D (-1307) (-)





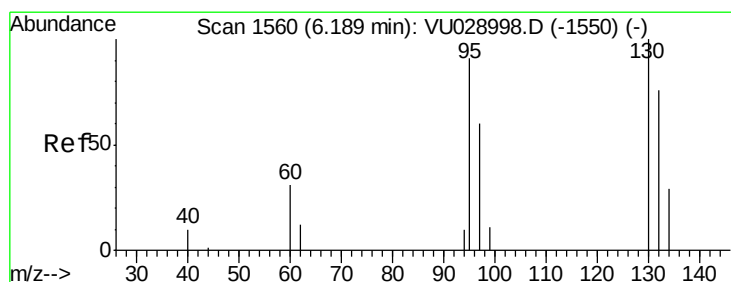
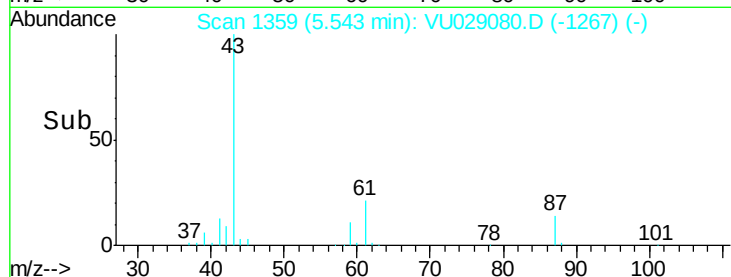
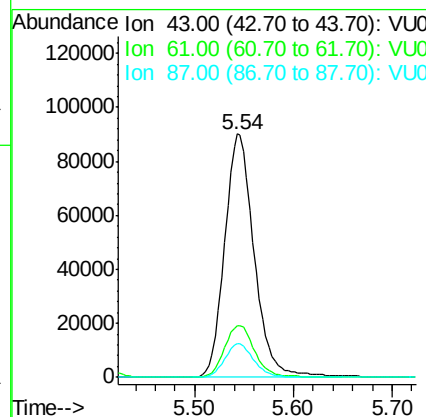
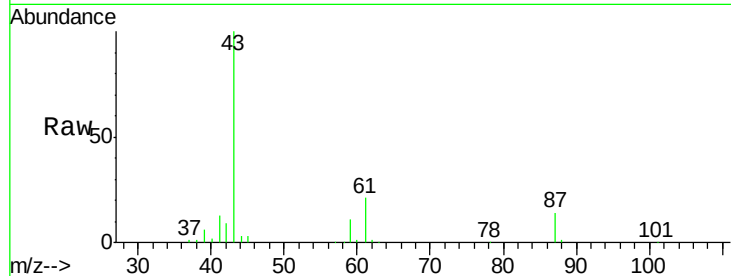
#43
Isopropyl Acetate
Concen: 54.201 ug/l
RT: 5.54 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	188011
Ion Ratio	Lower	Upper	
43	100		
61	21.9	17.8	26.6
87	13.8	11.3	16.9

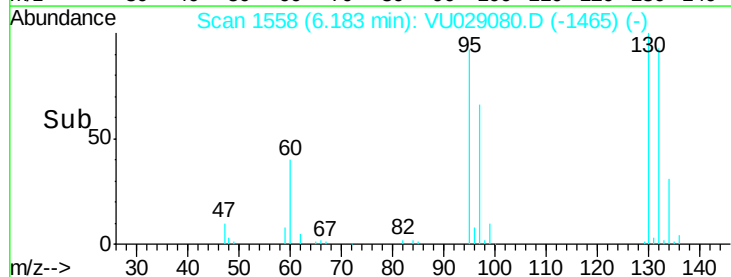
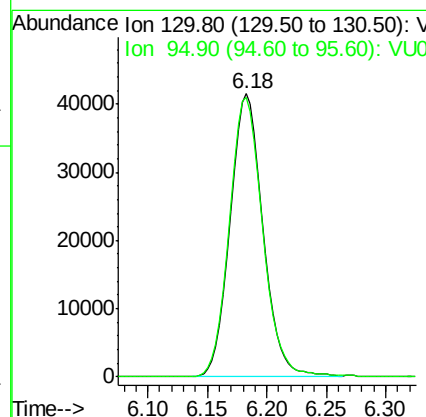
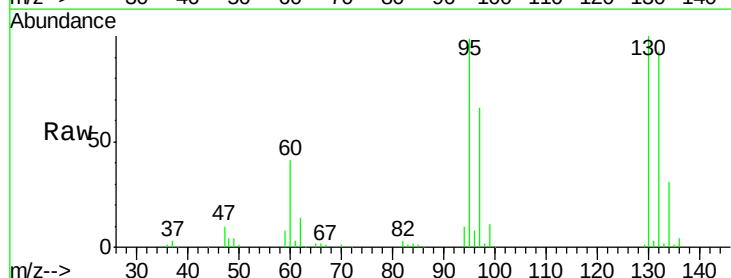
Manual Integrations
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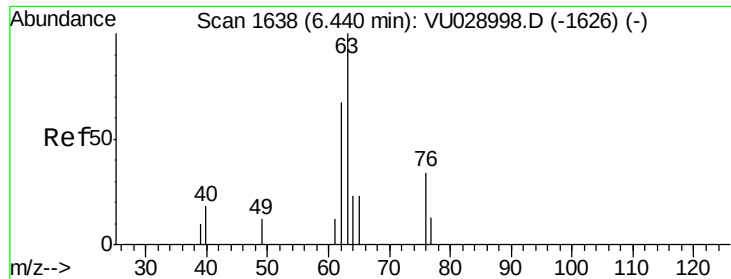
MMDadoda
1/10/2019 9:38:26 AM



#44
Trichloroethene
Concen: 49.989 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	130	Resp	79591
Ion Ratio	Lower	Upper	
130	100		
95	98.8	0.0	205.0





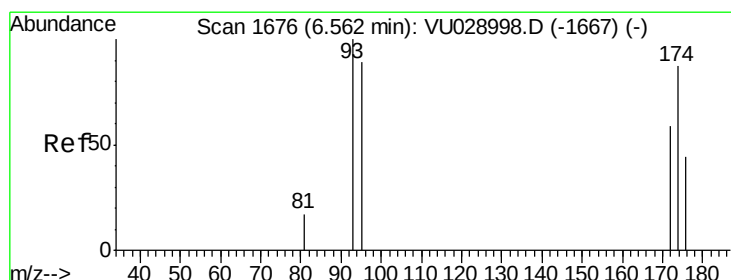
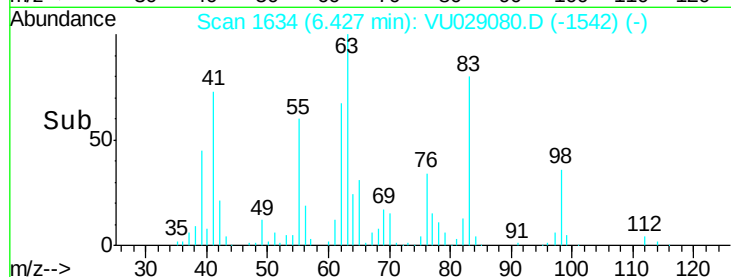
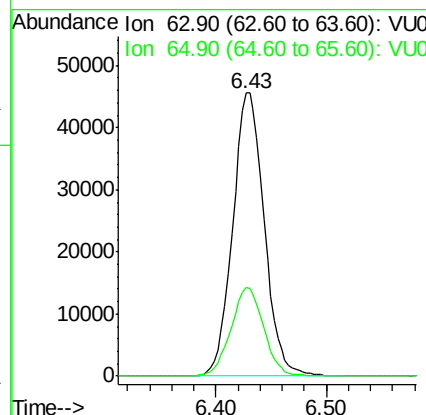
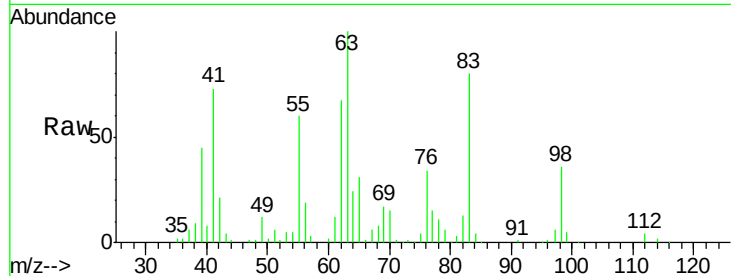
#45
1,2-Dichloropropane
Concen: 53.164 ug/l
RT: 6.43 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 90218
Ion Ratio Lower Upper
63 100
65 31.2 25.1 37.7

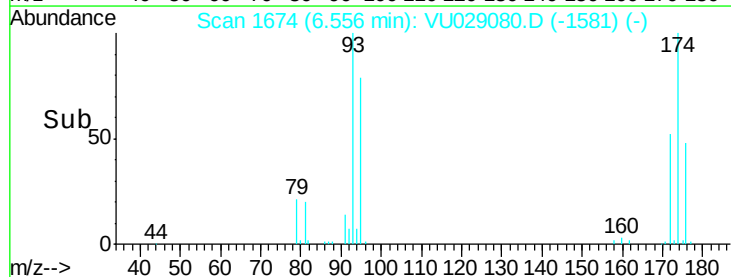
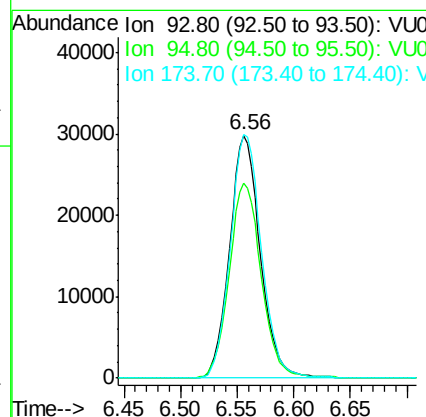
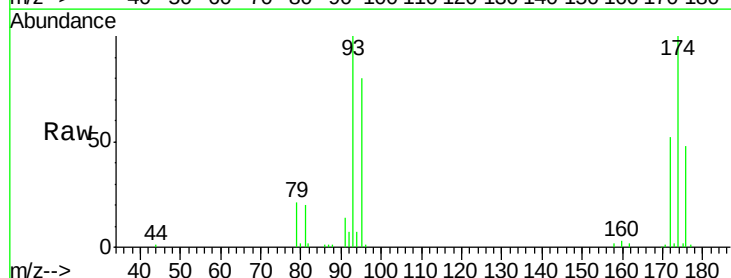
Manual Integrations
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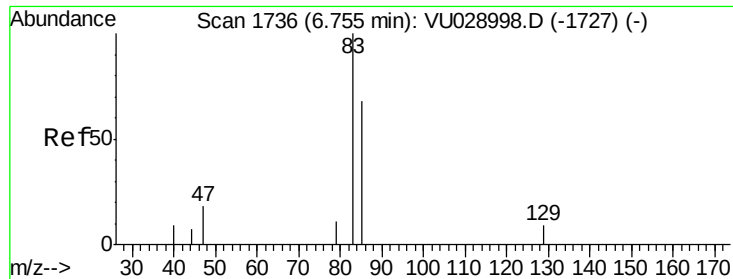
MMDadoda
1/10/2019 9:38:26 AM



#46
Dibromomethane
Concen: 51.740 ug/l
RT: 6.56 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 93 Resp: 56128
Ion Ratio Lower Upper
93 100
95 83.7 67.2 100.8
174 102.1 82.6 123.8





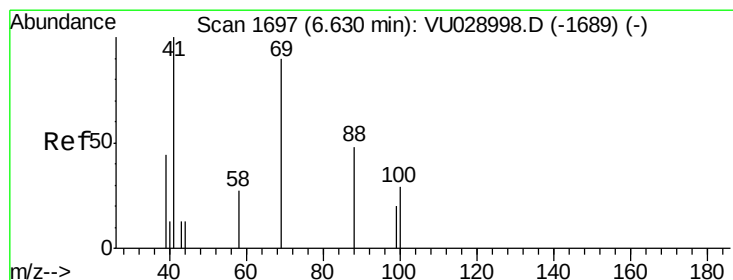
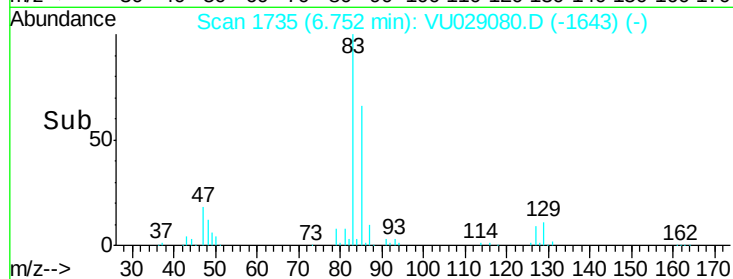
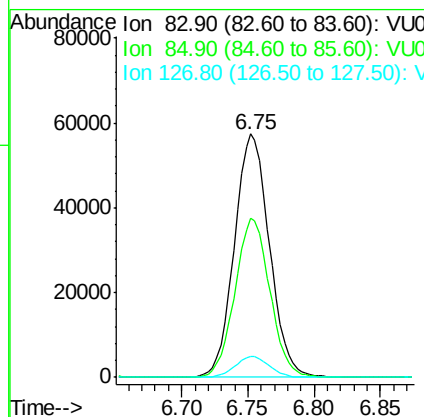
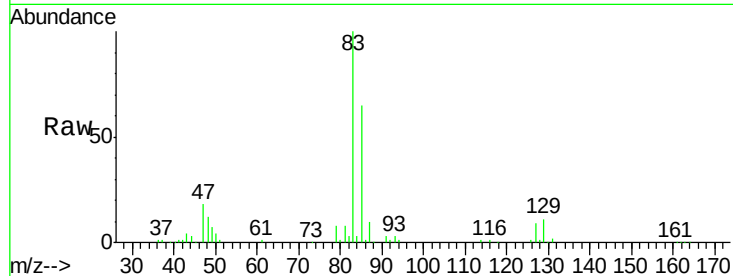
#47
Bromodichloromethane
Concen: 52.660 ug/l
RT: 6.75 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	105179
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.4	77.2
127	8.5	7.0	10.4

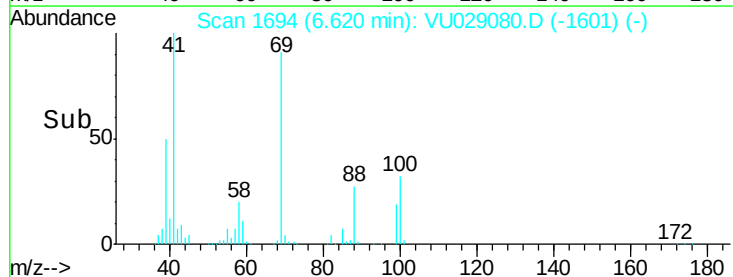
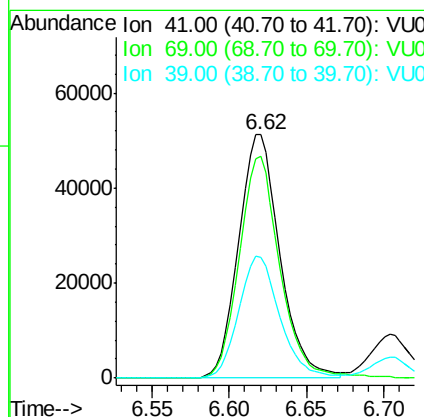
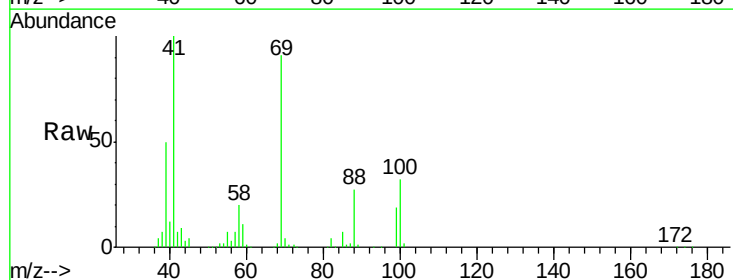
Manual Integrations
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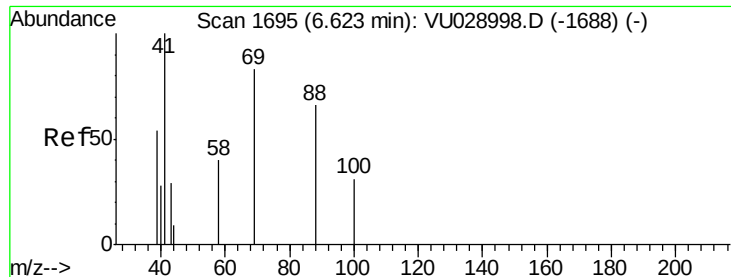
MMDadoda
1/10/2019 9:38:26 AM



#48
Methyl methacrylate
Concen: 56.355 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	41	Resp	95187
Ion Ratio	100	Lower	Upper
41	100		
69	89.7	73.6	110.4
39	49.6	39.6	59.4





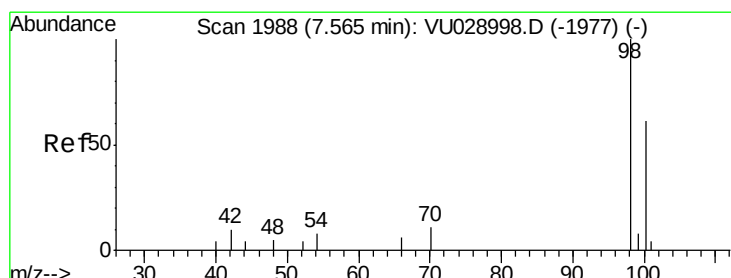
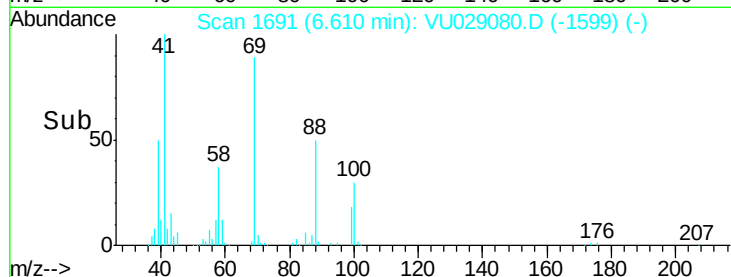
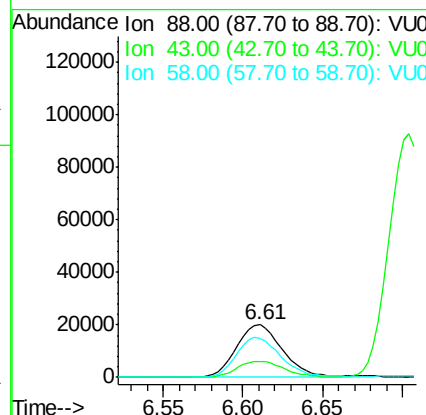
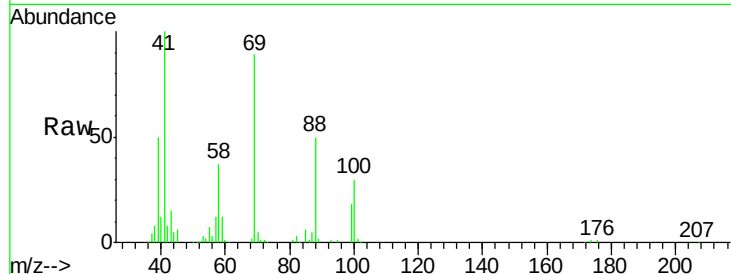
#49
1,4-Dioxane
Concen: 976.946 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.0	34.4
58	74.7	57.9	86.9

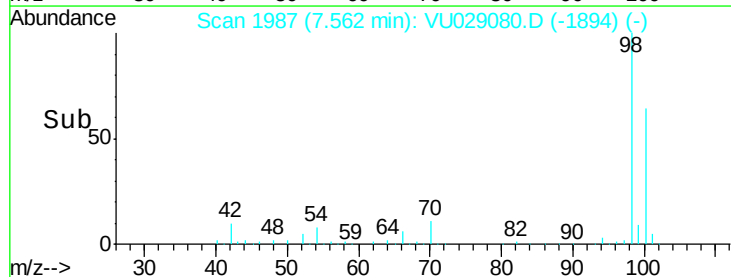
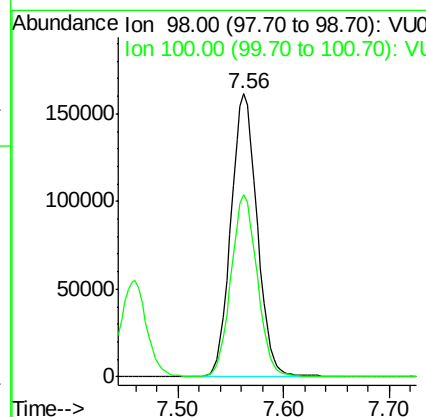
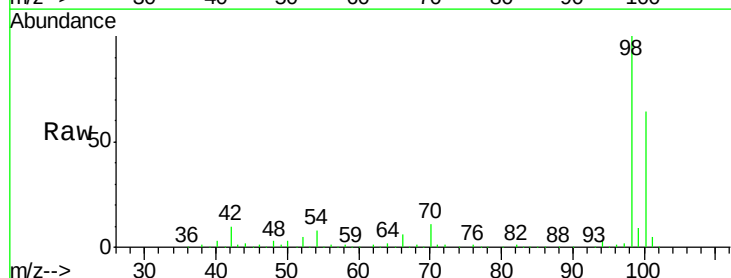
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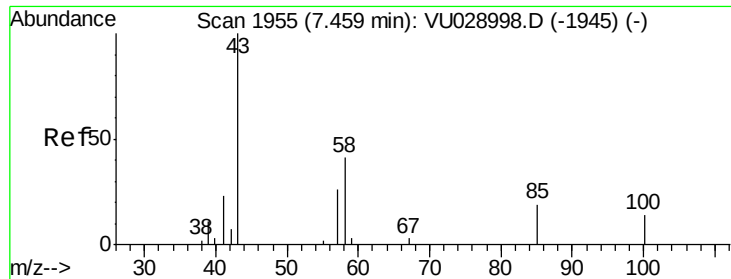
MMDadoda
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#50
Toluene-d8
Concen: 52.703 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 271.382 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 640656

Ion Ratio Lower Upper

43 100

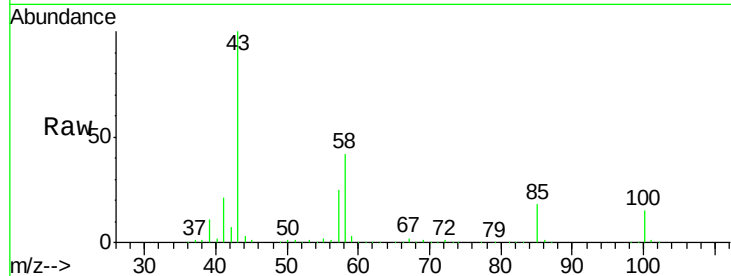
58 41.9 33.9 50.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

400000

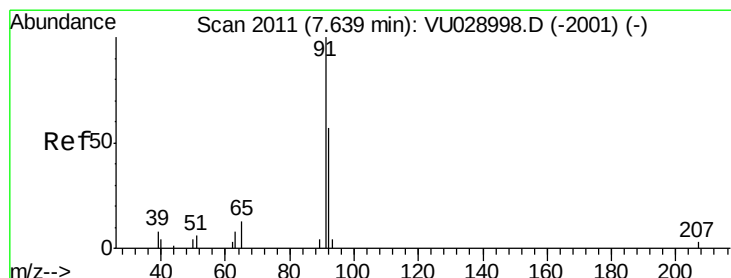
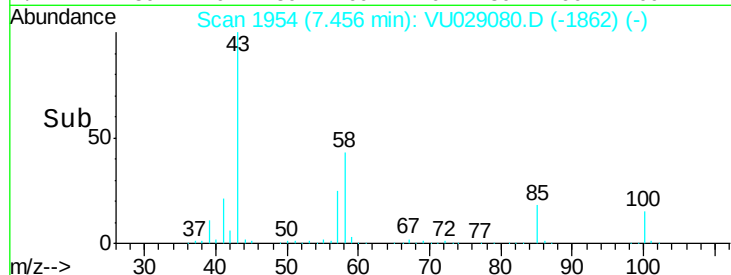
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.293 ug/l

RT: 7.63 min Scan# 2009

Delta R.T. -0.00 min

Lab File: VU029080.D

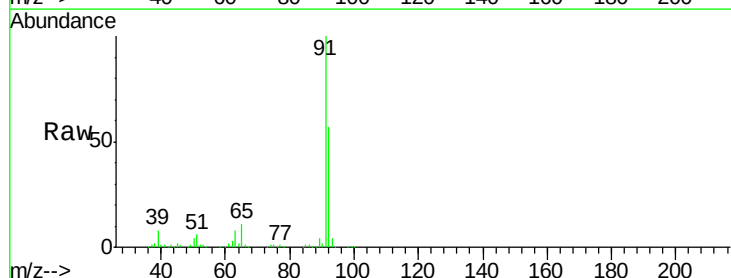
Acq: 09 Jan 2019 09:07

Tgt Ion: 92 Resp: 200656

Ion Ratio Lower Upper

92 100

91 174.7 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.63

200000

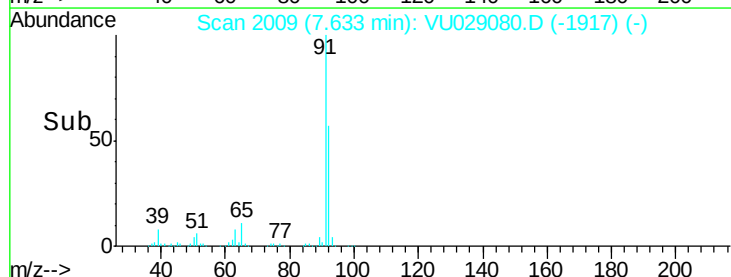
150000

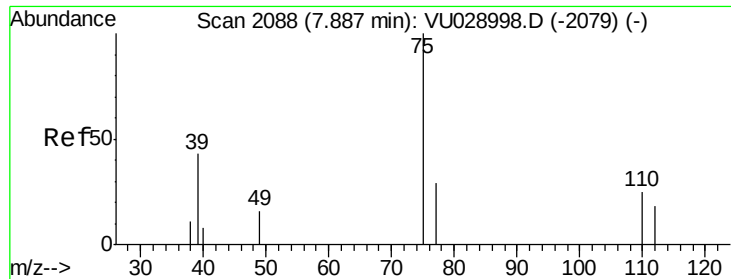
100000

50000

0

Time-->





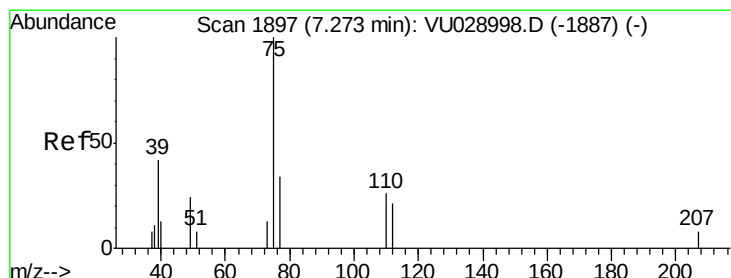
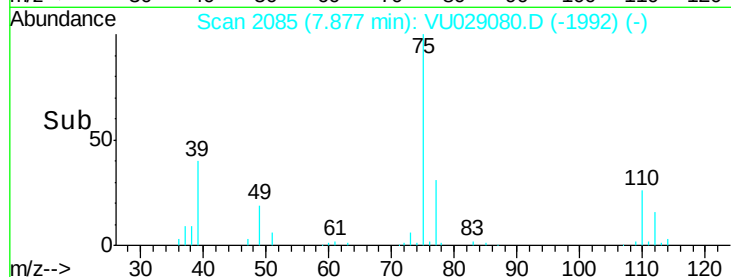
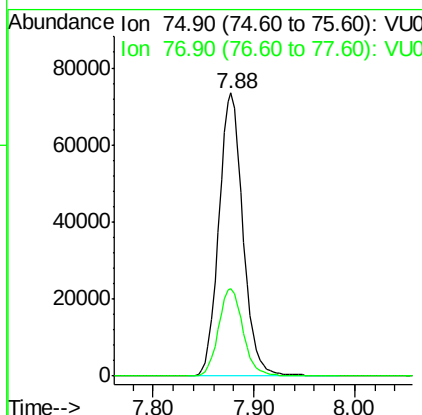
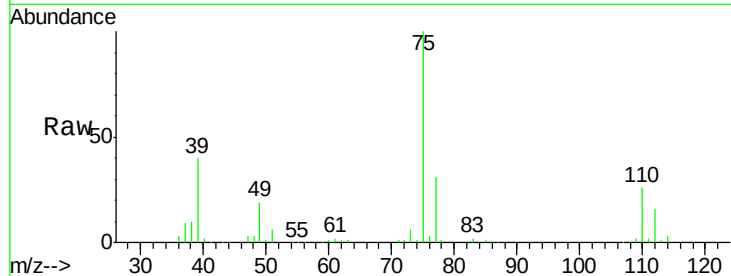
#53
 t-1,3-Dichloropropene
 Concen: 51.234 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.0	37.4

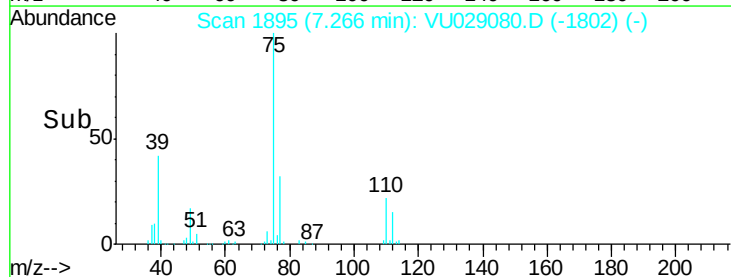
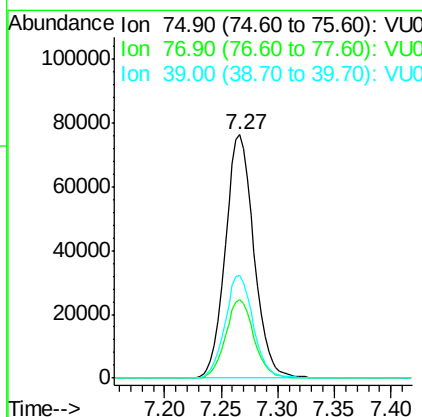
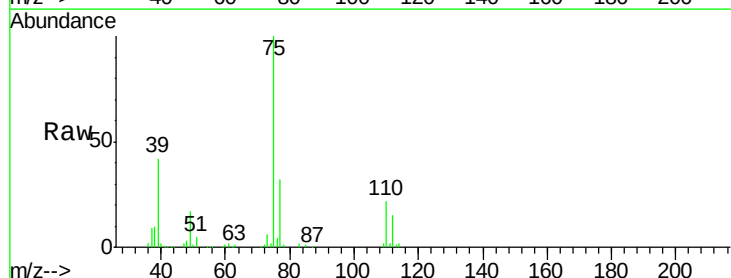
Manual Integrations
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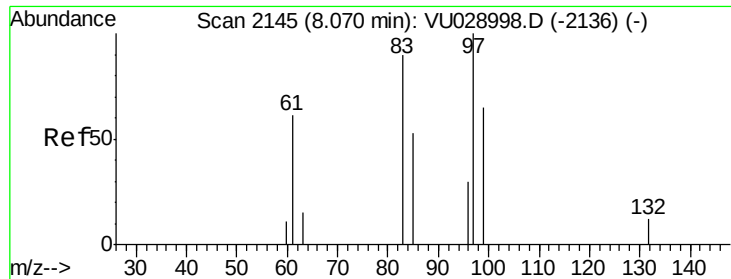
MMDadoda
 1/10/2019 9:38:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.802 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.0	37.6
39	42.1	32.2	48.4





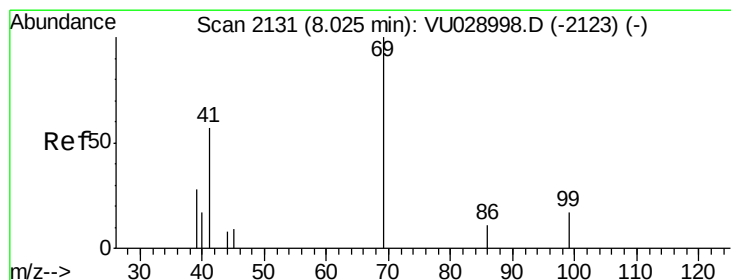
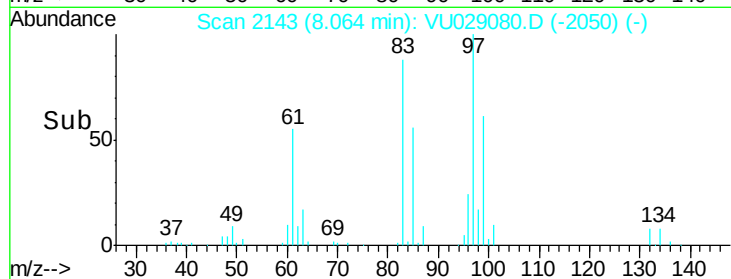
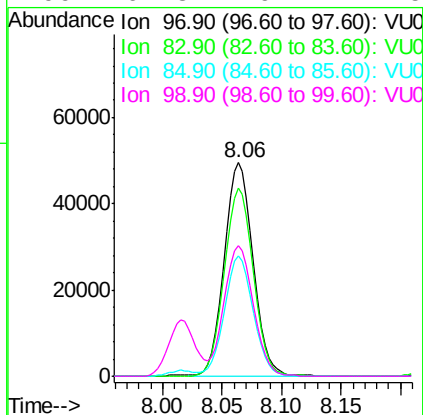
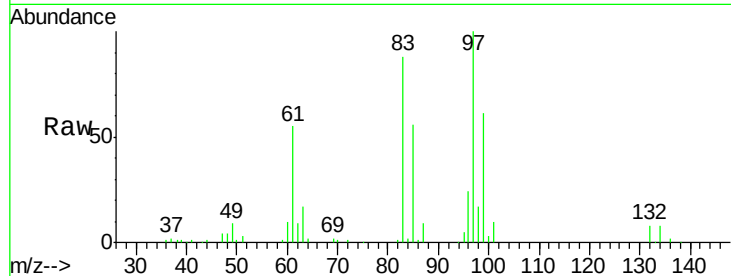
#55
1,1,2-Trichloroethane
Concen: 53.094 ug/l
RT: 8.06 min Scan# 2143
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	83208
Ion	Ratio	Lower	Upper
97	100		
83	87.9	69.8	104.8
85	56.3	47.3	70.9
99	61.3	49.7	74.5

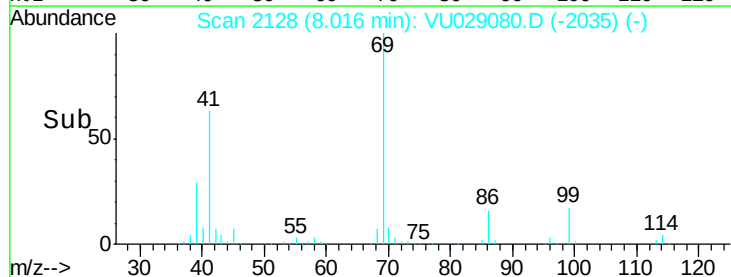
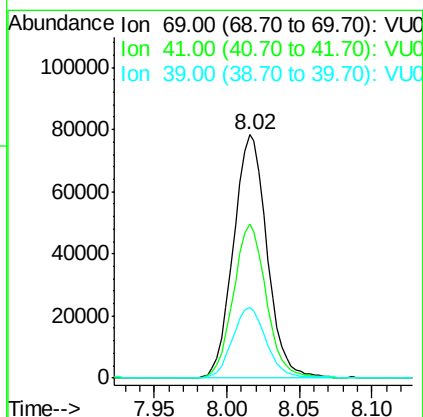
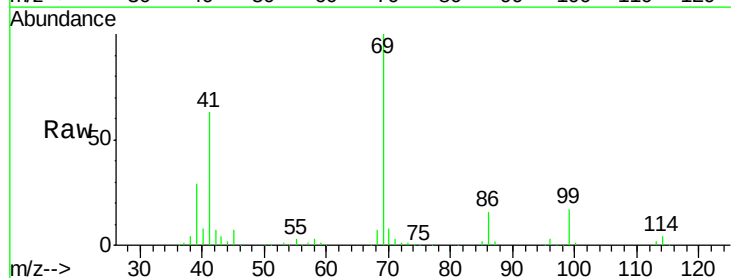
Manual Integrations
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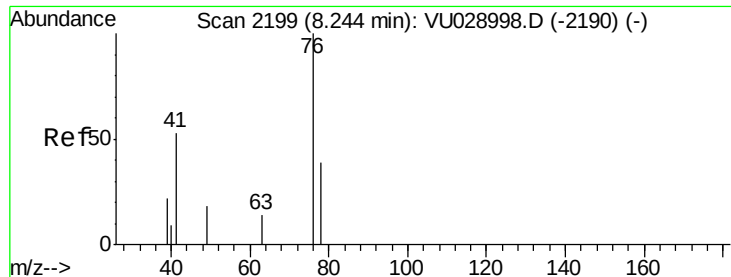
MMDadoda
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#56
Ethyl methacrylate
Concen: 52.086 ug/l
RT: 8.02 min Scan# 2128
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:	69	Resp:	125758
Ion	Ratio	Lower	Upper
69	100		
41	62.1	47.5	71.3
39	29.1	22.5	33.7





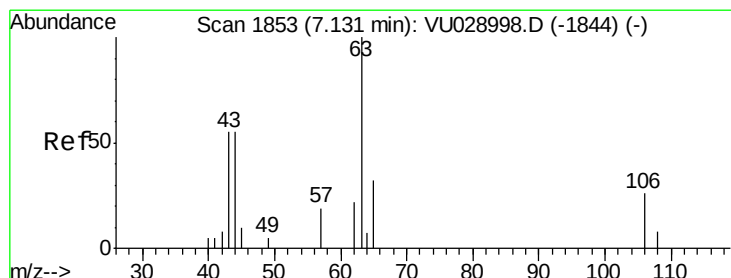
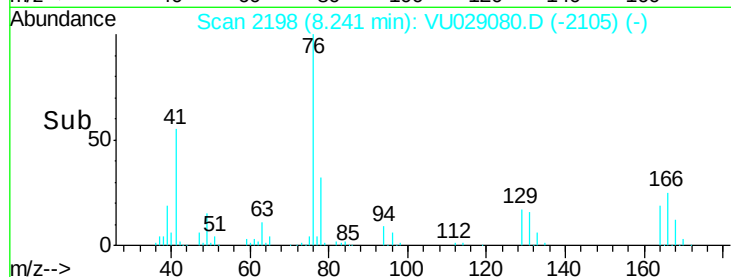
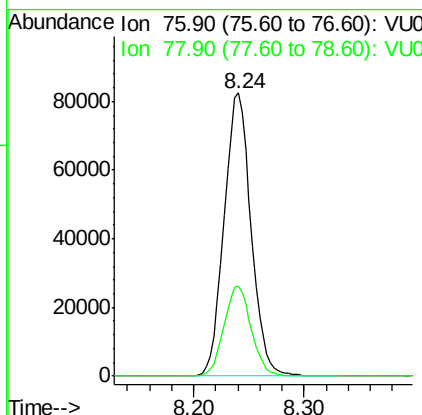
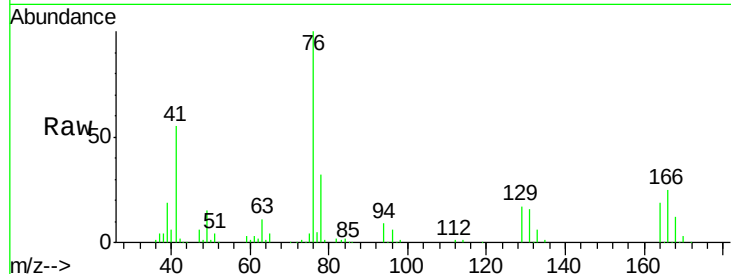
#57
 1,3-Dichloropropane
 Concen: 52.092 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.0	39.0

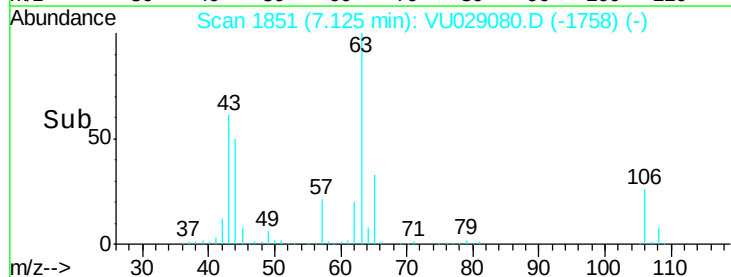
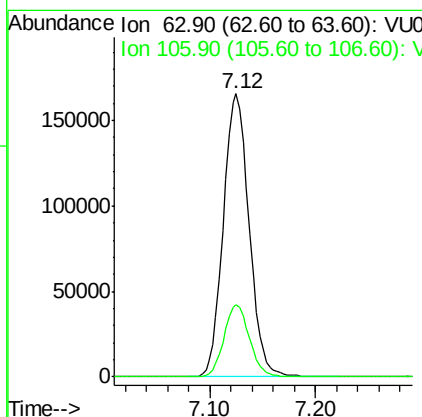
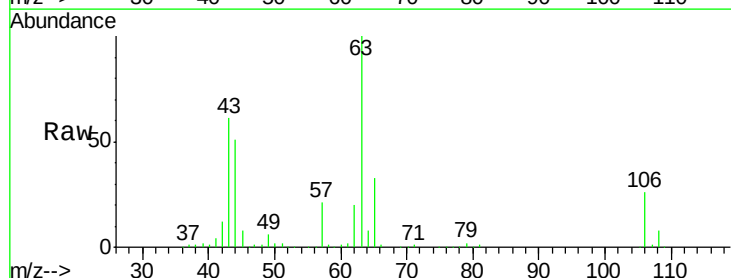
Manual Integrations
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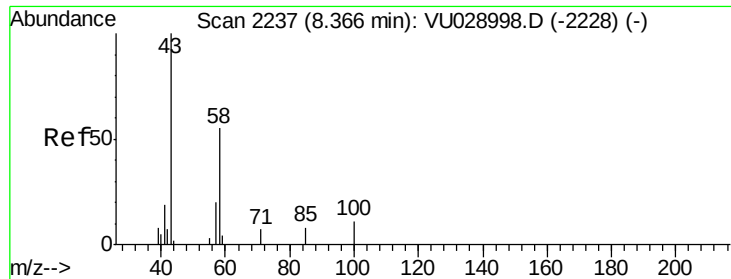
MMDadoda
 1/10/2019 9:38:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.033 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.6	31.0





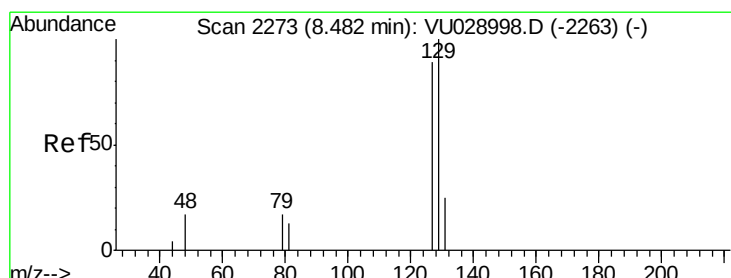
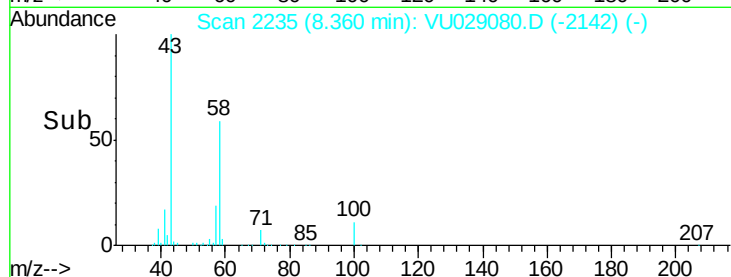
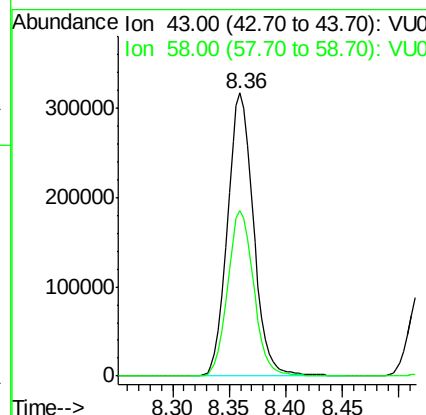
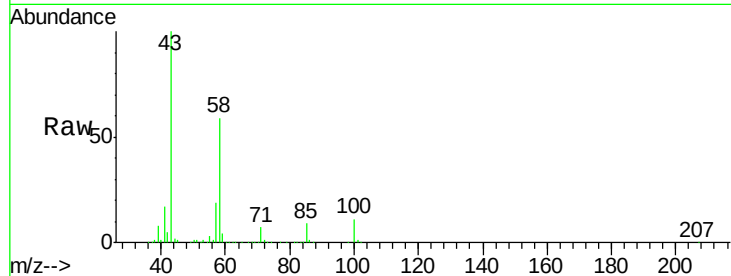
#59
2-Hexanone
Concen: 274.084 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 507899
Ion Ratio Lower Upper
43 100
58 58.8 29.8 89.4

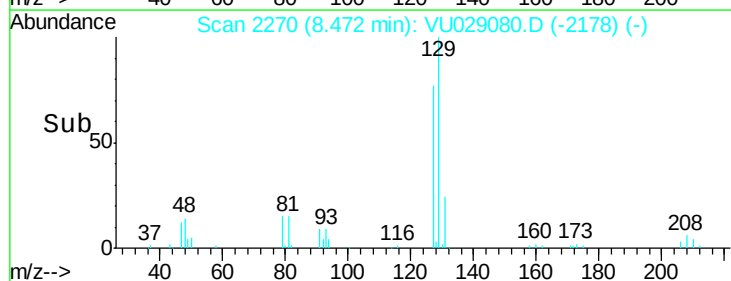
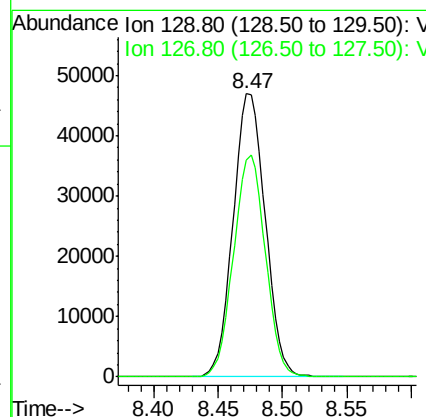
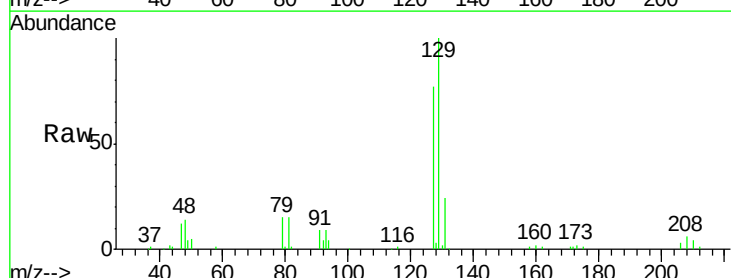
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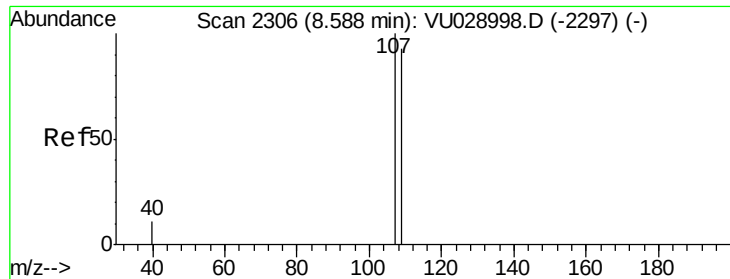
MMDadoda
1/10/2019 9:38:26 AM



#60
Dibromochloromethane
Concen: 52.510 ug/l
RT: 8.47 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 129 Resp: 81529
Ion Ratio Lower Upper
129 100
127 77.2 38.0 114.0





#61

1,2-Dibromoethane

Concen: 51.535 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 87594

Ion Ratio Lower Upper

107 100

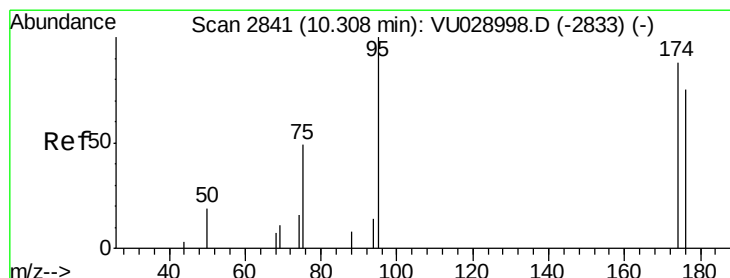
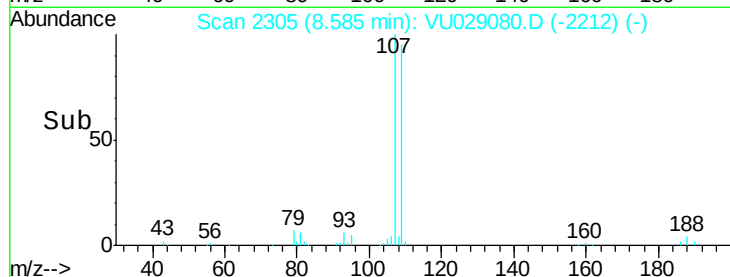
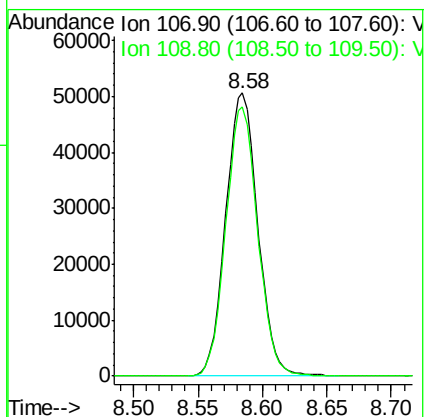
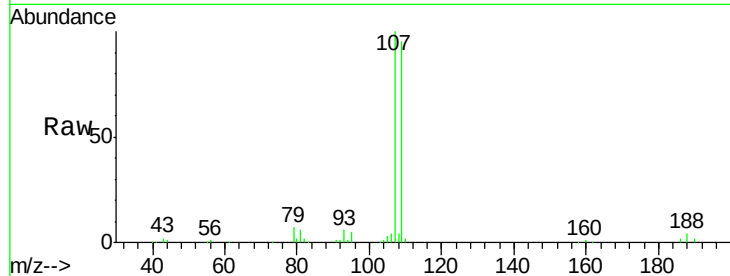
109 94.4 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 51.305 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

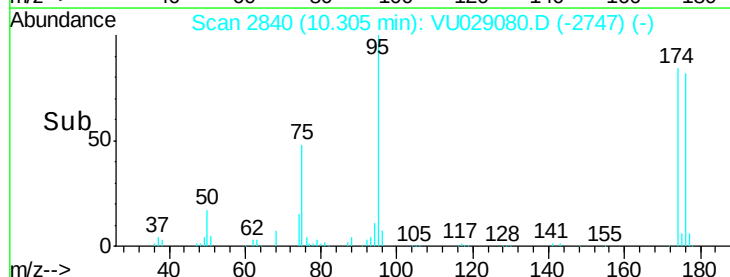
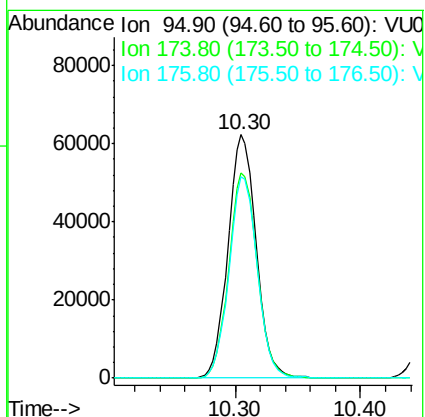
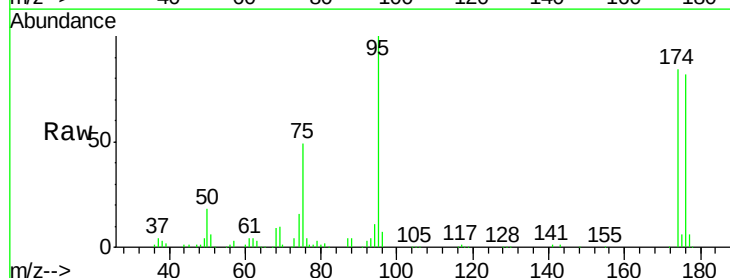
Tgt Ion: 95 Resp: 97250

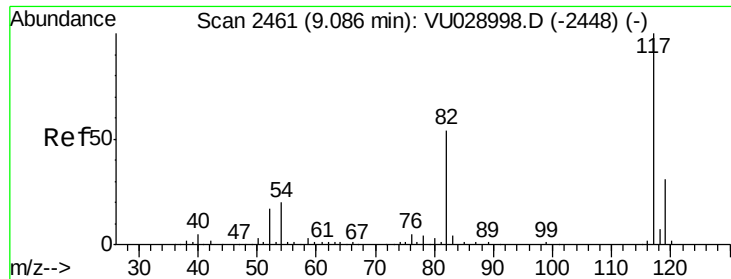
Ion Ratio Lower Upper

95 100

174 84.8 0.0 170.6

176 82.6 0.0 165.0





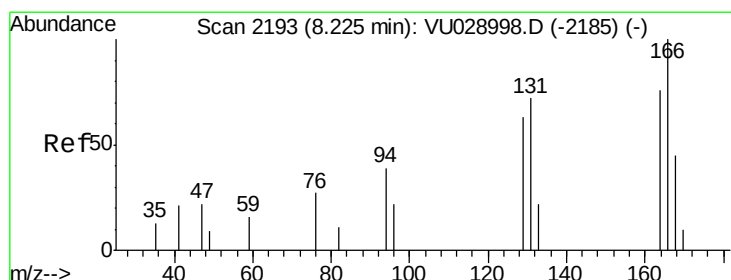
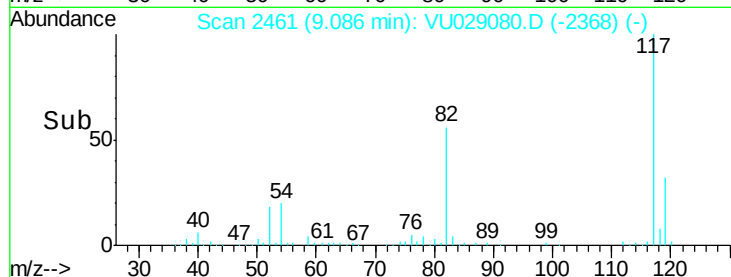
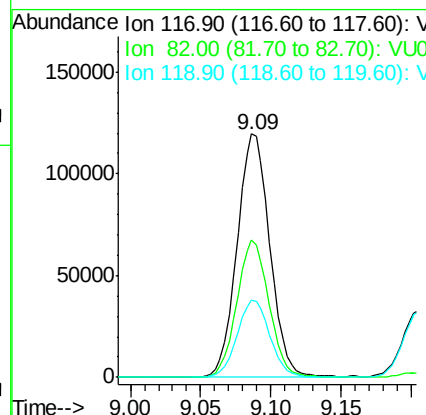
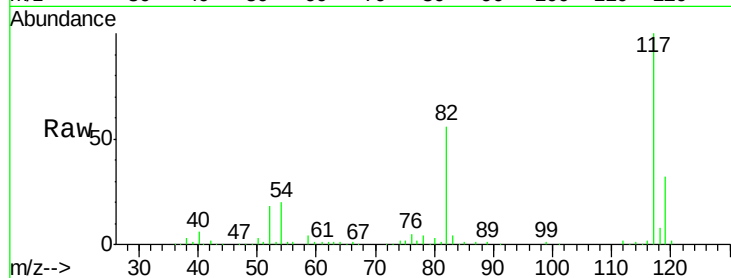
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.3	43.9	65.9
119	31.7	26.0	39.0

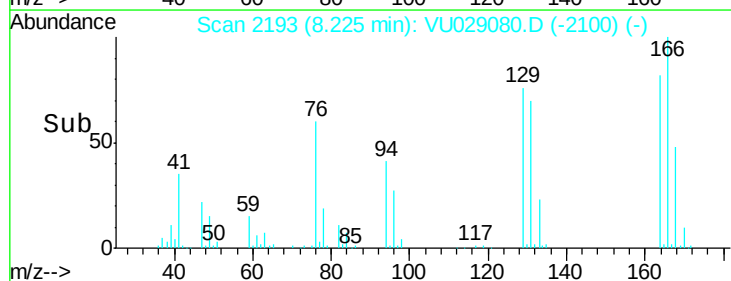
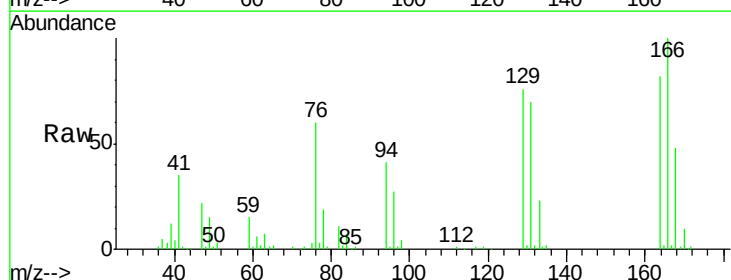
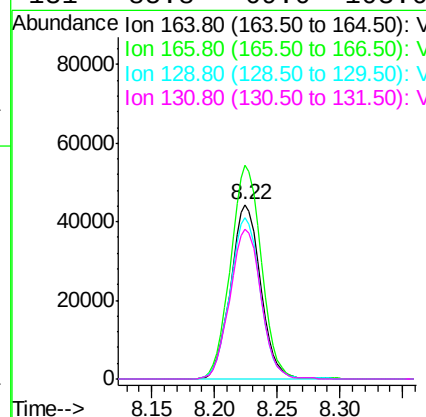
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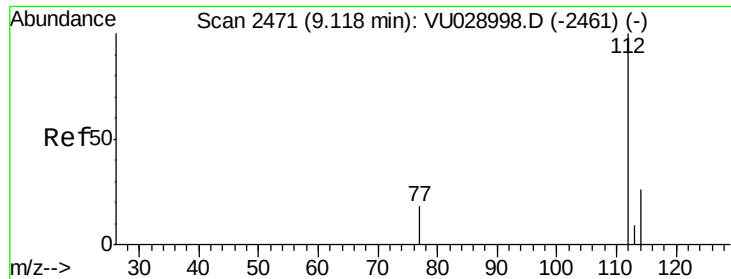
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#64
Tetrachloroethene
Concen: 52.454 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	99.4	149.0
129	92.6	70.5	105.7
131	85.8	69.0	103.6





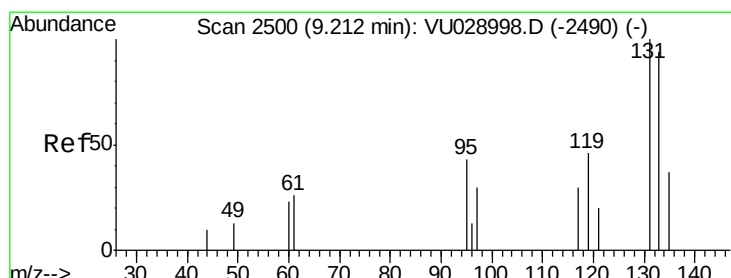
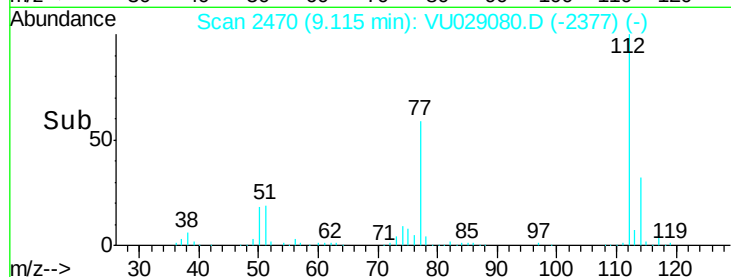
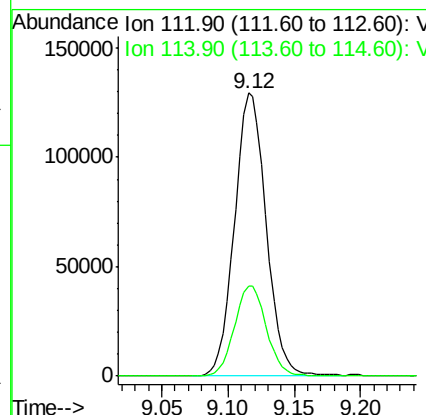
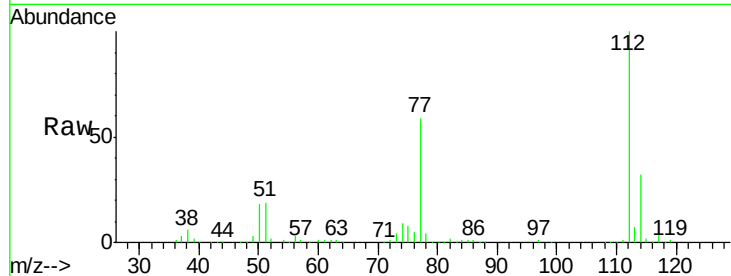
#65
Chlorobenzene
Concen: 49.261 ug/l
RT: 9.12 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 215031
Ion Ratio Lower Upper
112 100
114 31.9 25.0 37.6

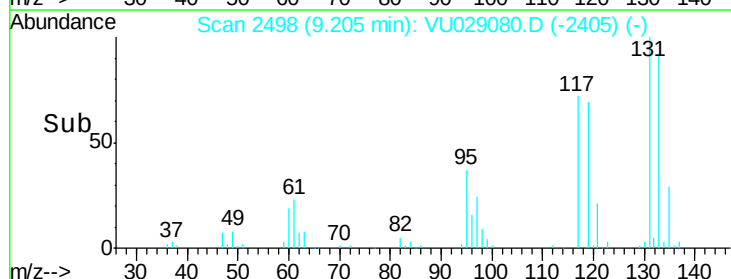
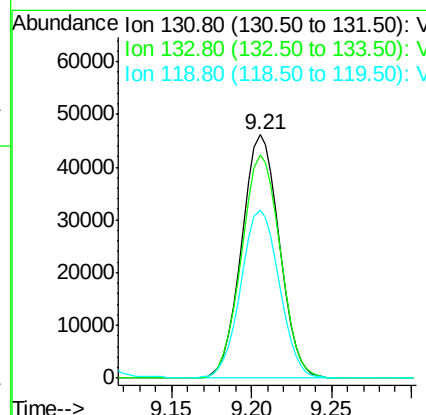
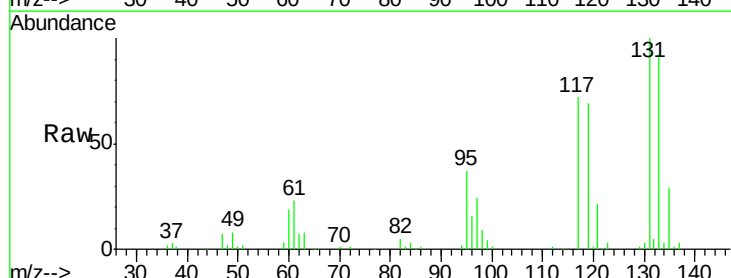
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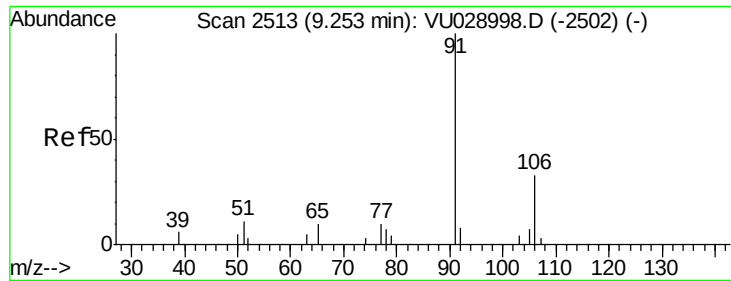
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.273 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion:131 Resp: 74049
Ion Ratio Lower Upper
131 100
133 94.6 48.2 144.6
119 70.7 35.4 106.3





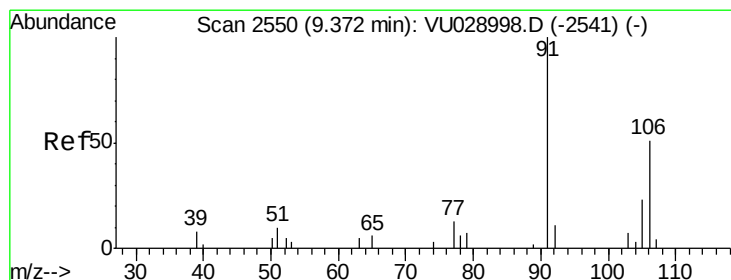
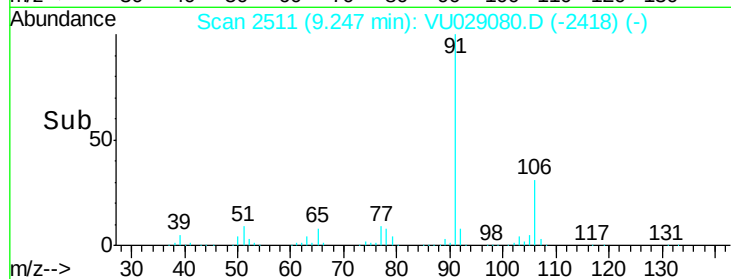
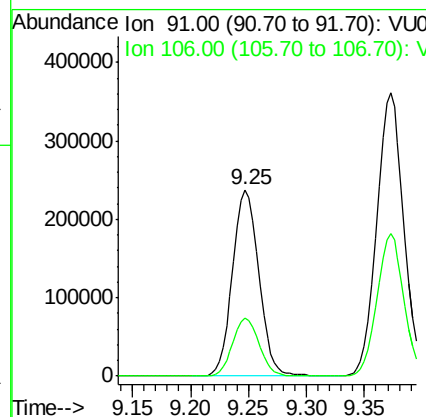
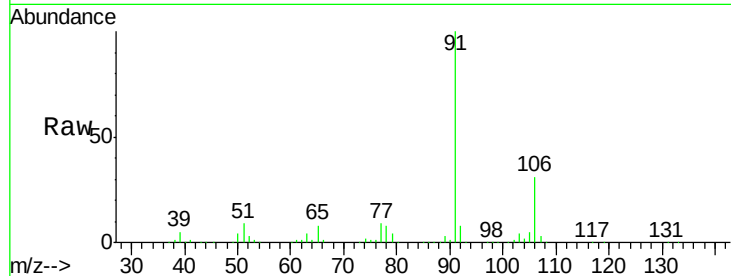
#67
Ethyl Benzene
Concen: 51.690 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 376711
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

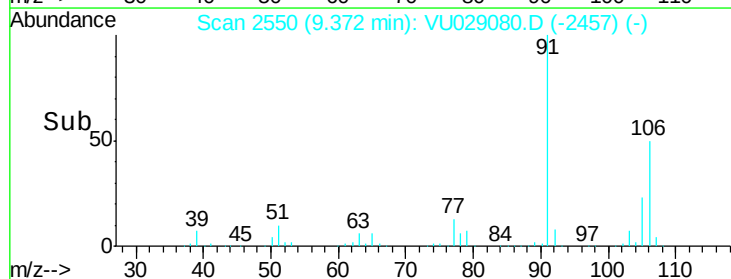
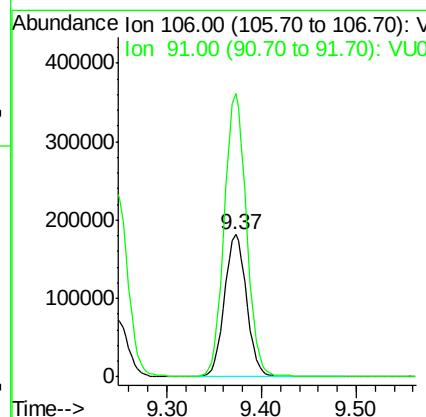
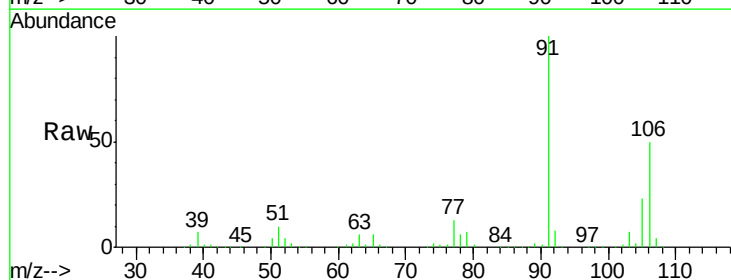
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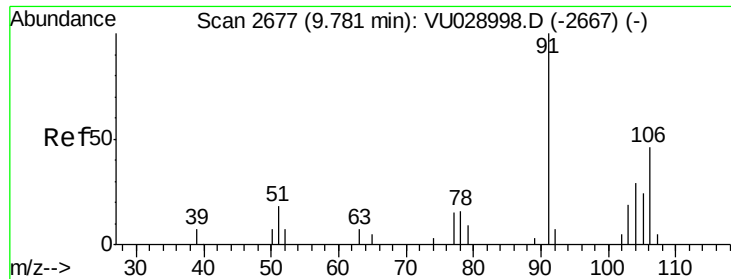
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#68
m/p-Xylenes
Concen: 104.490 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion: 106 Resp: 295882
Ion Ratio Lower Upper
106 100
91 199.2 161.7 242.5





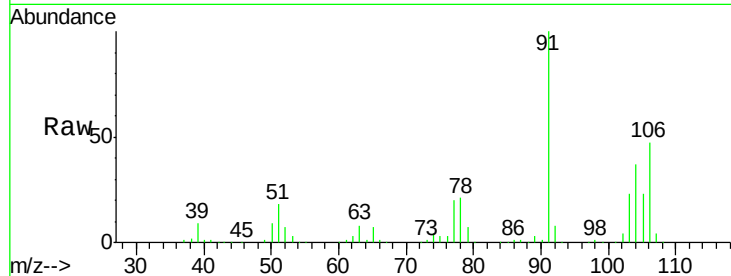
#69
o-Xylene
Concen: 51.297 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

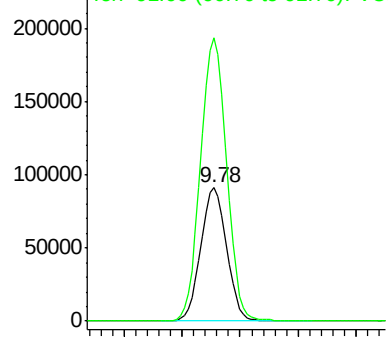
Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	106.1	318.3

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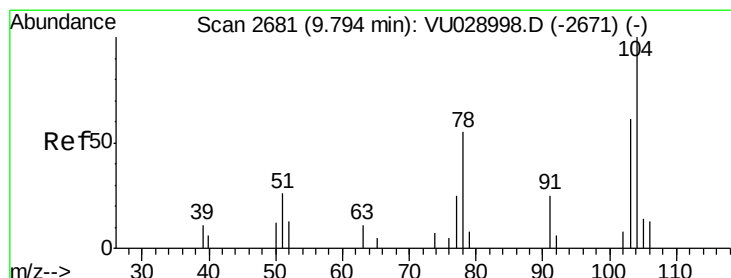
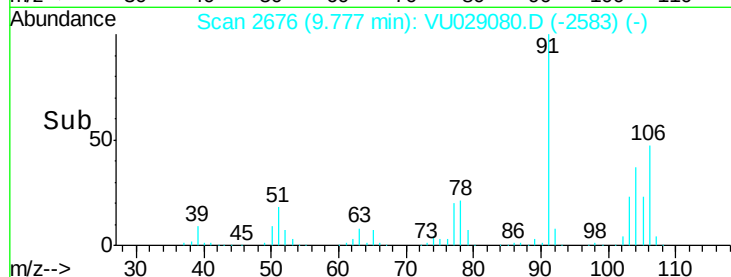
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

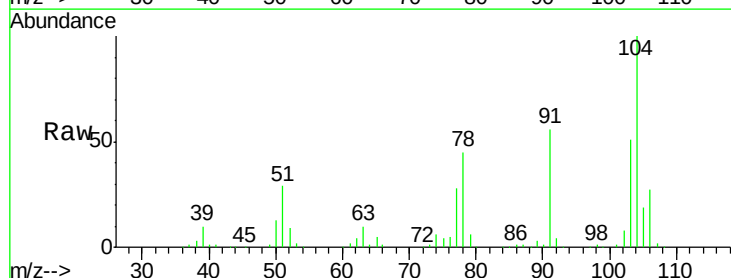


Time-->

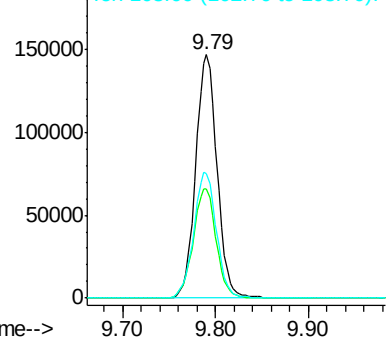


#70
Styrene
Concen: 52.400 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

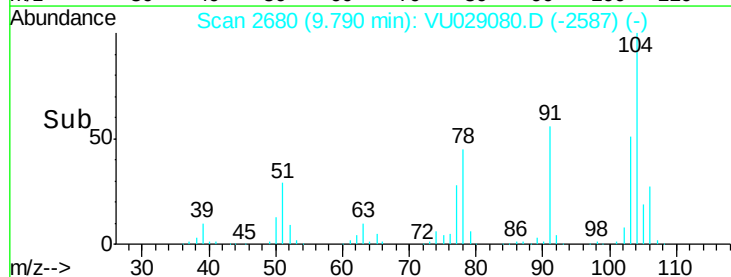
Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.6	58.0
103	55.1	44.5	66.7

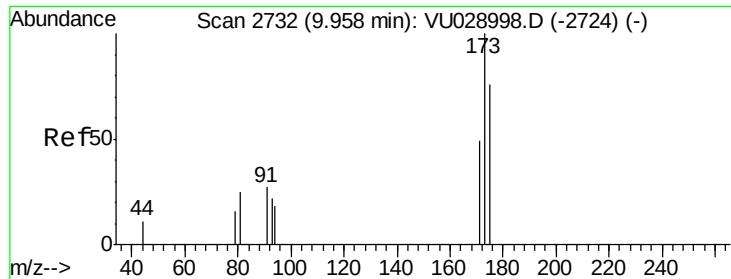


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





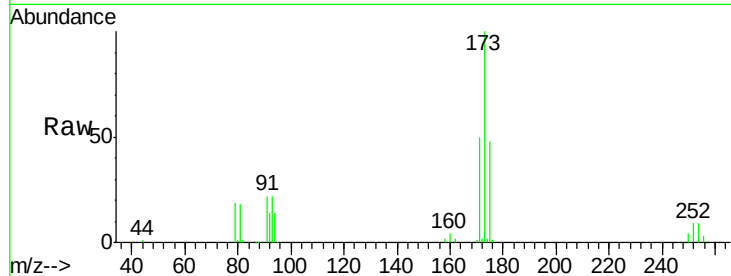
#71
Bromoform
Concen: 52.373 ug/l
RT: 9.95 min Scan# 2731
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

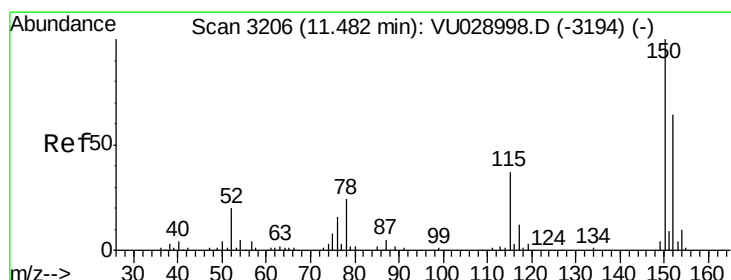
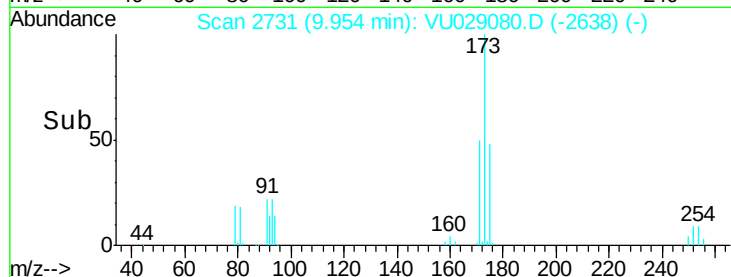
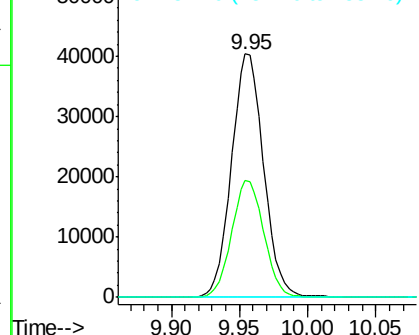
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.2
254	0.0	0.0	0.0

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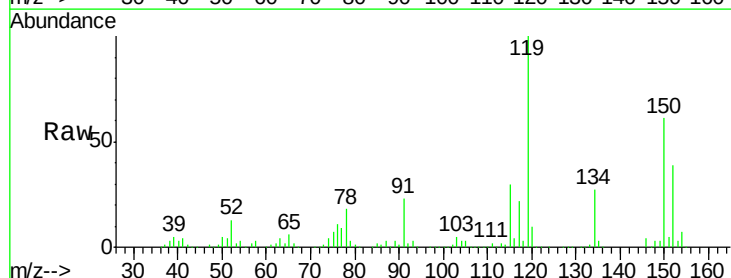


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

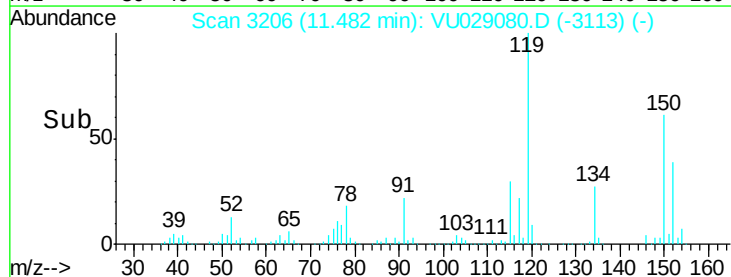
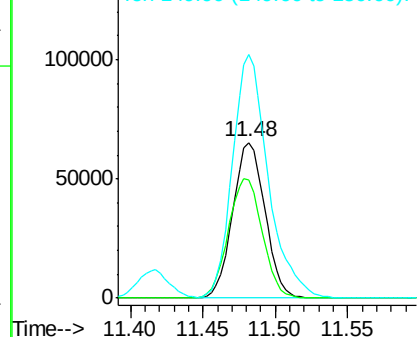


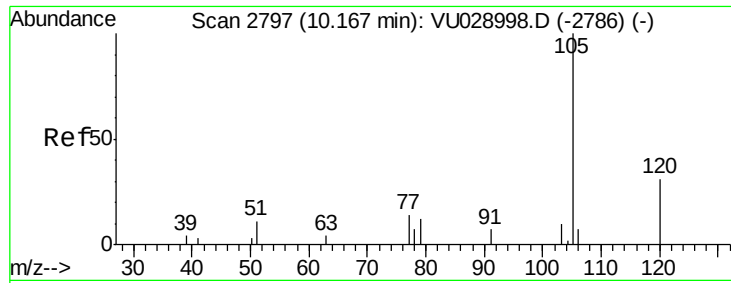
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	81.1	40.1	120.3
150	173.6	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: 50.012 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 371246

Ion Ratio Lower Upper

105 100

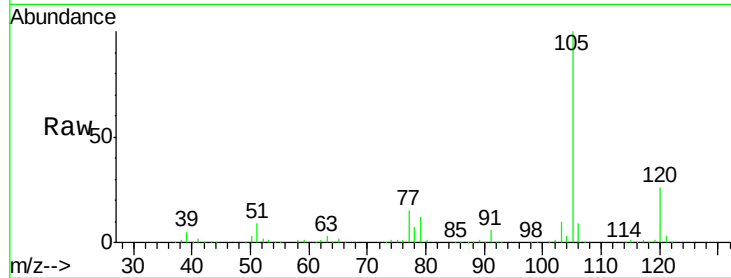
120 26.1 13.2 39.5

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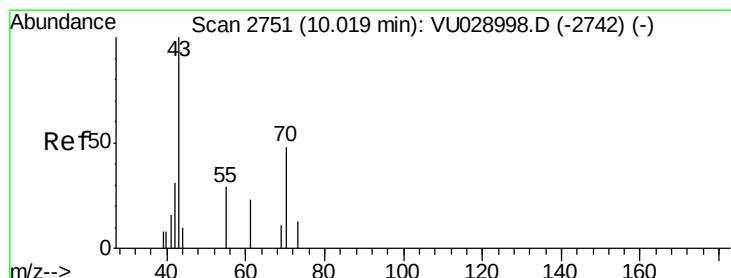
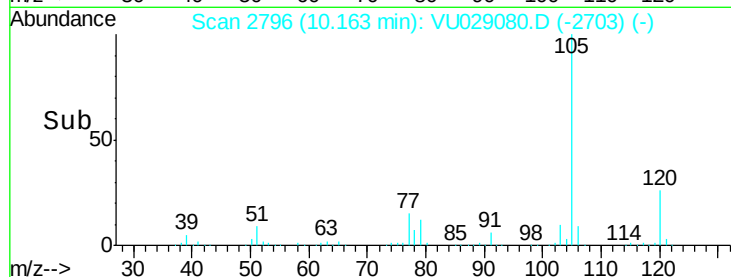
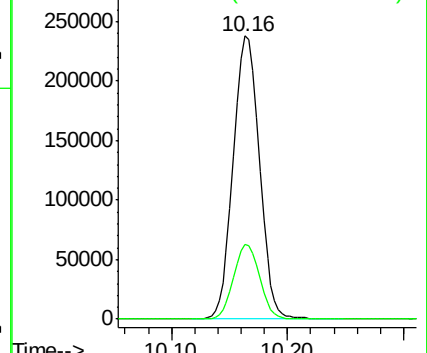
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.242 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Tgt Ion: 43 Resp: 163907

Ion Ratio Lower Upper

43 100

70 44.4 36.3 54.5

55 26.2 20.5 30.7

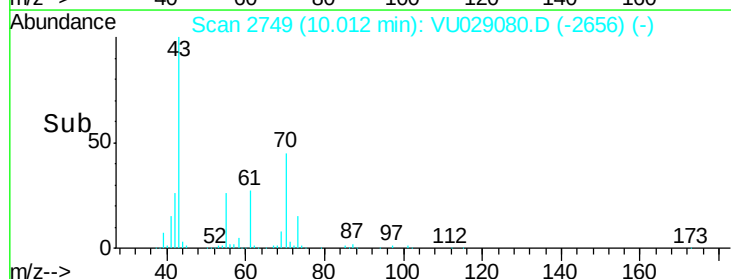
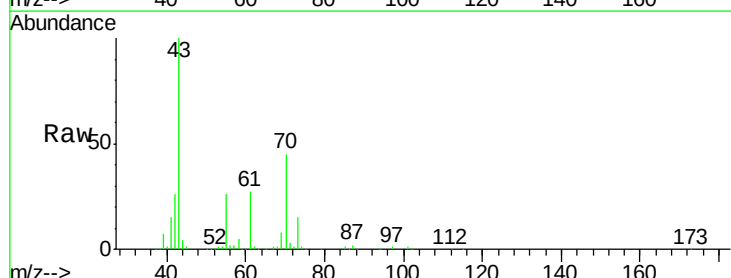
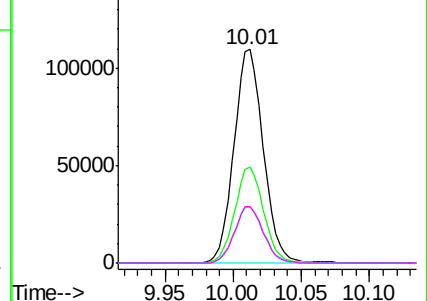
61 26.0 21.8 32.8

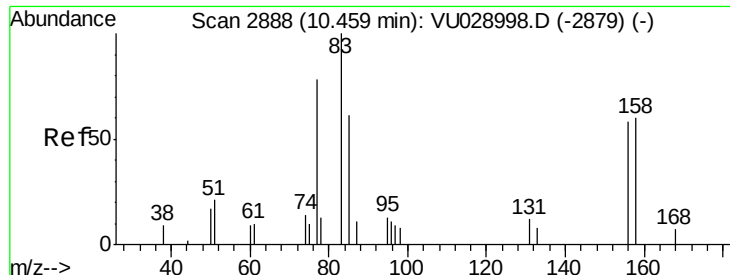
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 47.941 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 142627

Ion Ratio Lower Upper

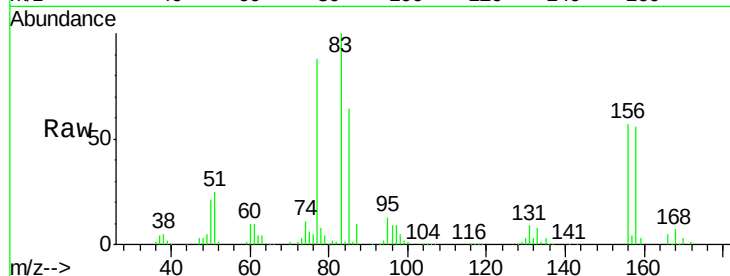
83 100

131 9.0 4.7 14.1

85 65.0 32.0 96.2

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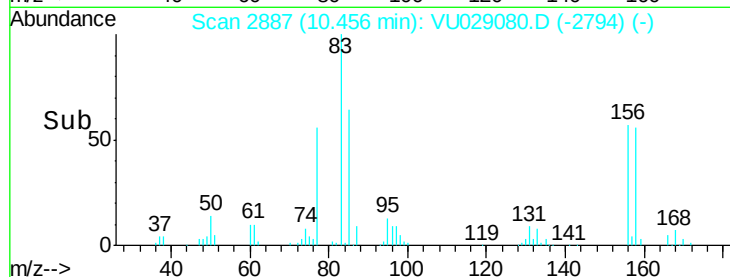


Abundance Ion 82.90 (82.60 to 83.60): VU028998.D (-2879) (-)

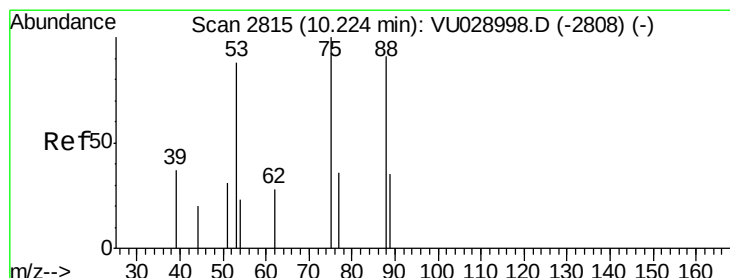
Ion 130.80 (130.50 to 131.50): VU028998.D (-2879) (-)

Ion 84.90 (84.60 to 85.60): VU028998.D (-2879) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 50.521 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

Lab File: VU029080.D

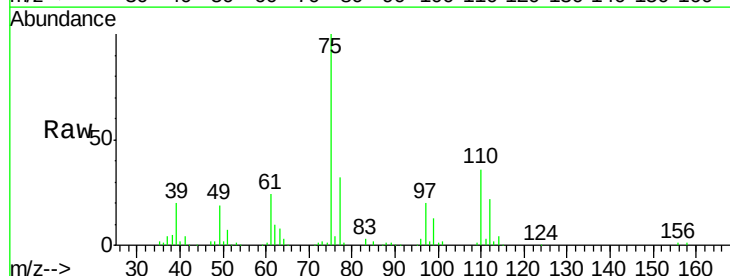
Acq: 09 Jan 2019 09:07

Tgt Ion: 75 Resp: 124142

Ion Ratio Lower Upper

75 100

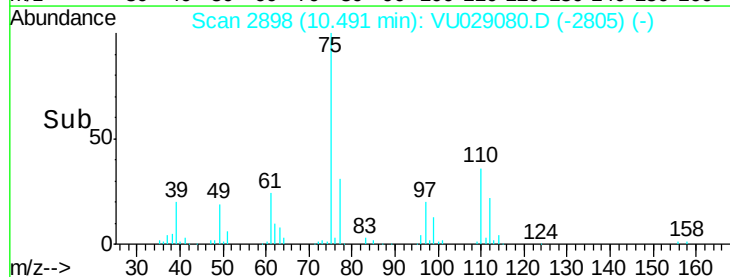
77 40.6 20.9 62.8



Abundance Ion 74.90 (74.60 to 75.60): VU029080.D (-2805) (-)

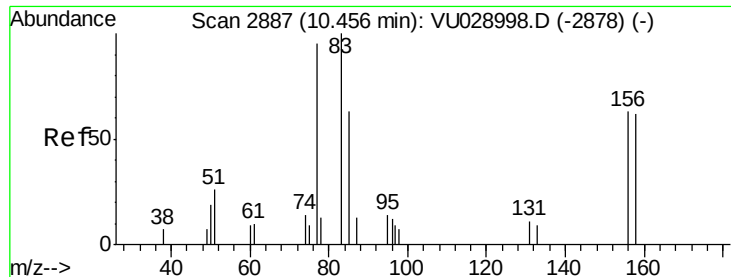
Ion 77.00 (76.70 to 77.70): VU029080.D (-2805) (-)

Time-->



Time-->

Time-->



#77

Bromobenzene

Concen: 48.679 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 94166

Ion Ratio Lower Upper

156 100

77 158.6 79.0 237.2

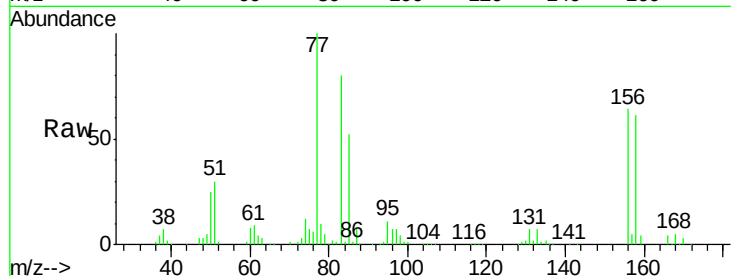
158 96.5 48.9 146.6

Manual Integrations

APPROVED

MMDadoda

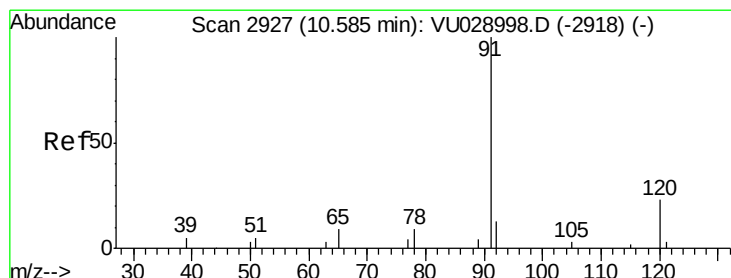
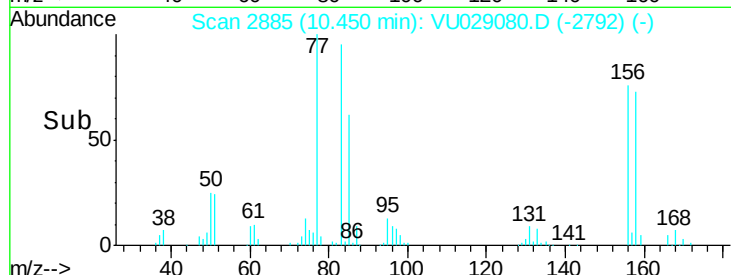
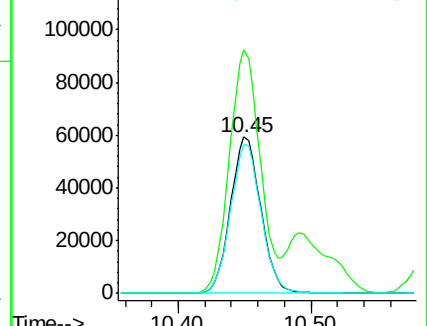
1/10/2019 9:38:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.116 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029080.D

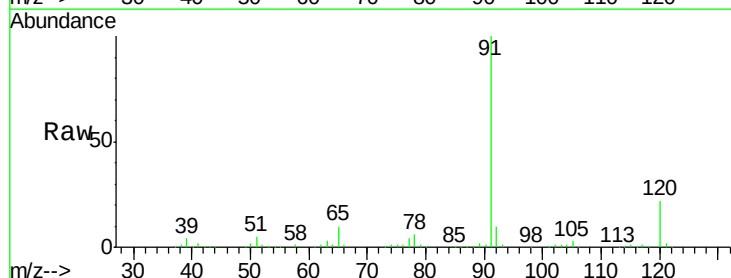
Acq: 09 Jan 2019 09:07

Tgt Ion: 91 Resp: 455908

Ion Ratio Lower Upper

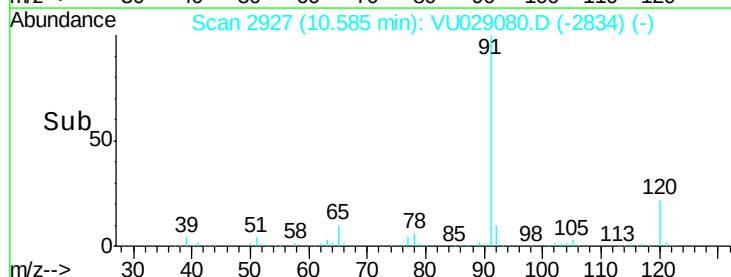
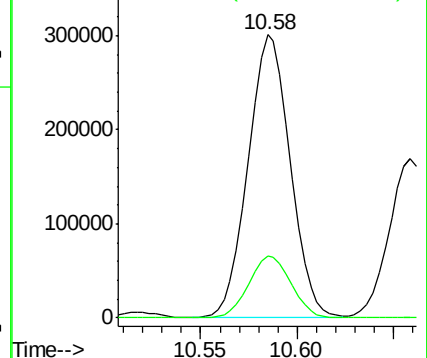
91 100

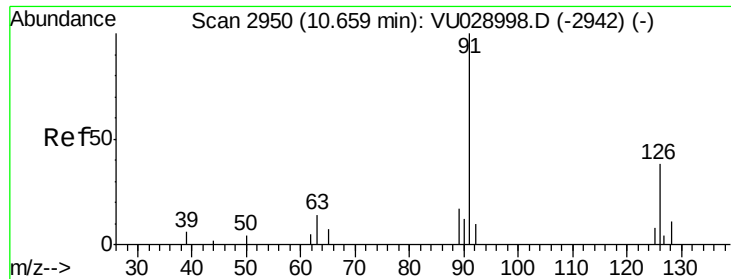
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.659 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 263519

Ion Ratio Lower Upper

91 100

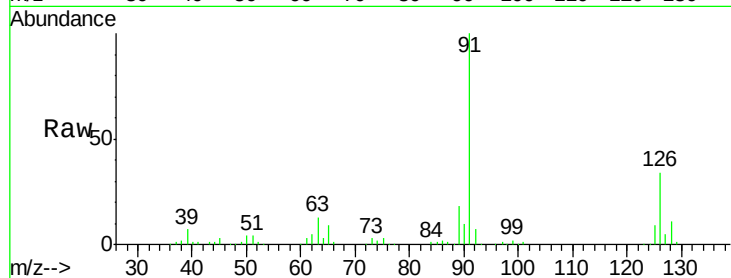
126 33.7 16.8 50.4

Manual Integrations

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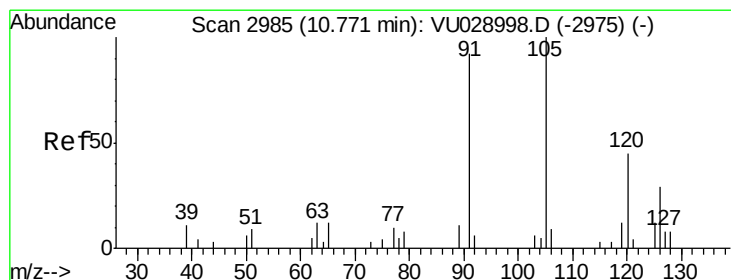
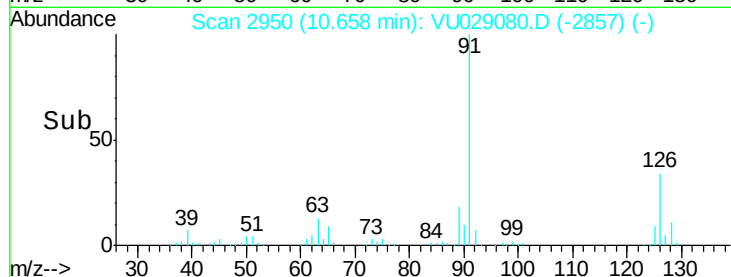
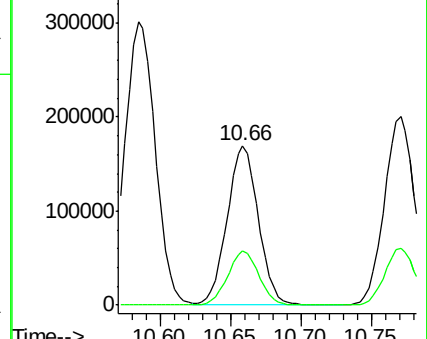
MMDadoda

1/10/2019 9:38:26 AM



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2942) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2942) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.869 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029080.D

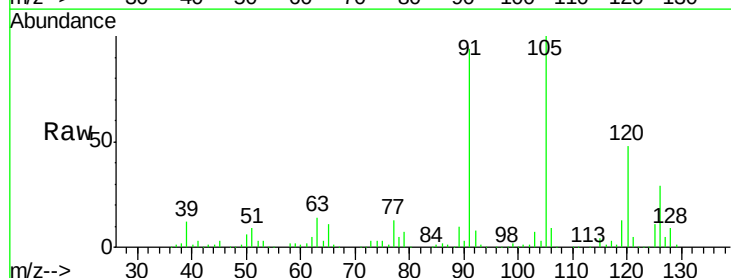
Acq: 09 Jan 2019 09:07

Tgt Ion: 105 Resp: 315328

Ion Ratio Lower Upper

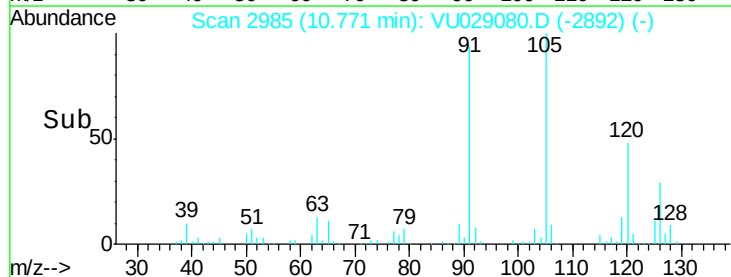
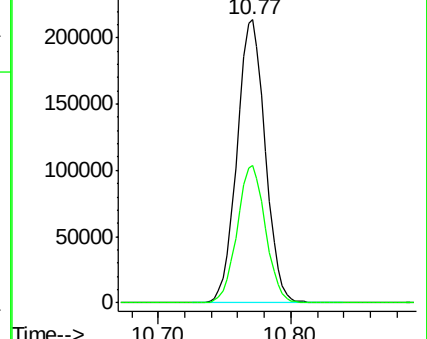
105 100

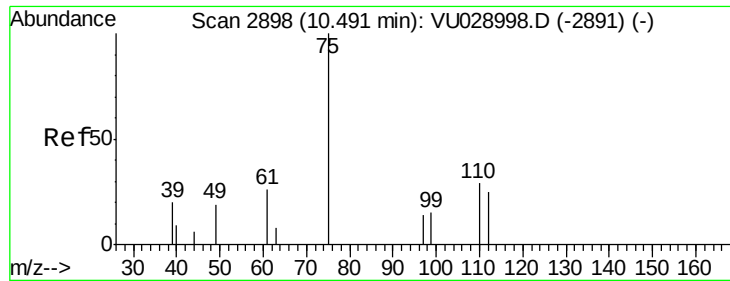
120 48.8 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VU028998.D (-2975) (-)

Ion 120.00 (119.70 to 120.70): VU028998.D (-2975) (-)





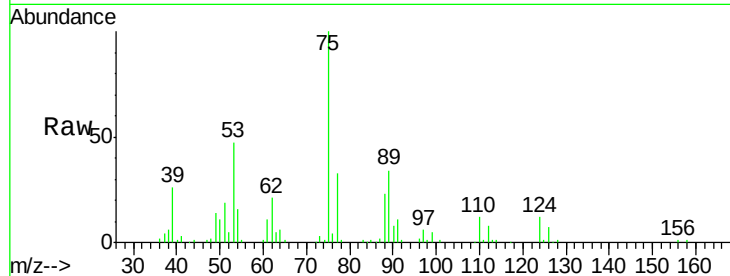
#81
trans-1,4-Dichloro-2-butene
Concen: 46.135 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

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
APPROVED

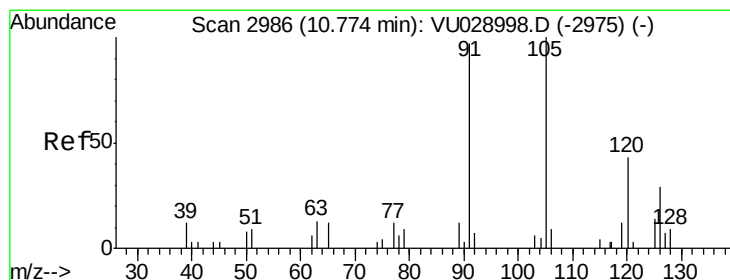
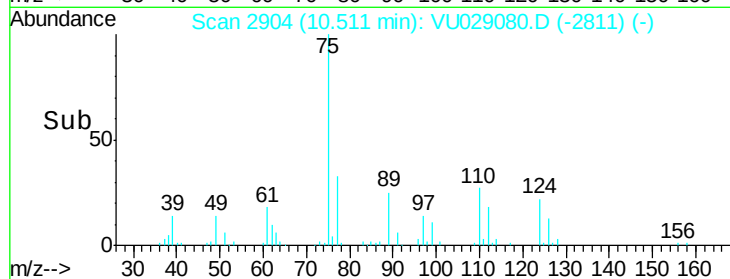
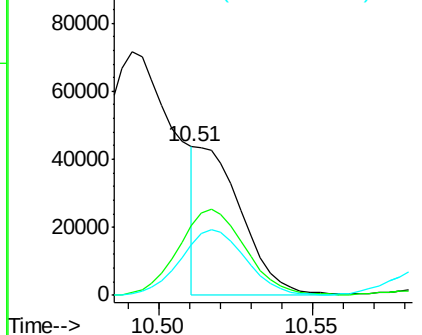
MMDadoda
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Abundance Ion 74.90 (74.60 to 75.60): VU028998.D (-2891) (-)

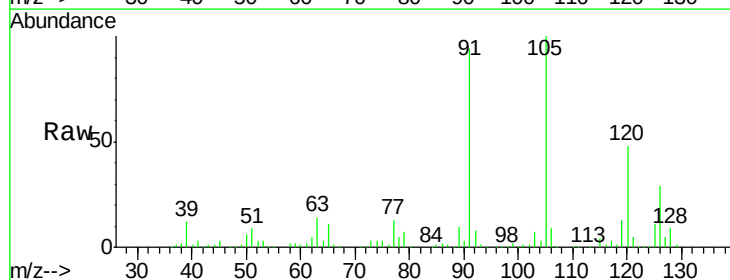
Ion 53.00 (52.70 to 53.70): VU028998.D (-2891) (-)

Ion 88.90 (88.60 to 89.60): VU028998.D (-2891) (-)



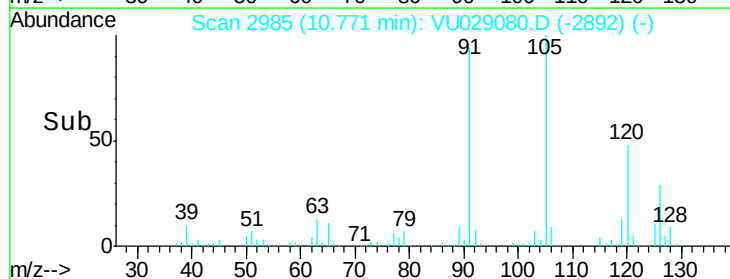
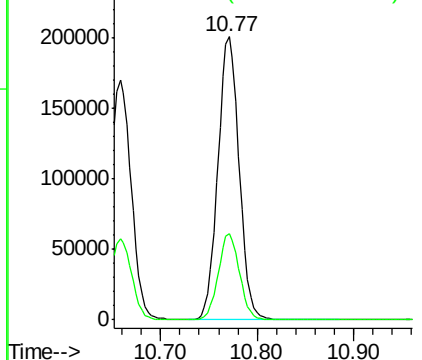
#82
4-Chlorotoluene
Concen: 50.321 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

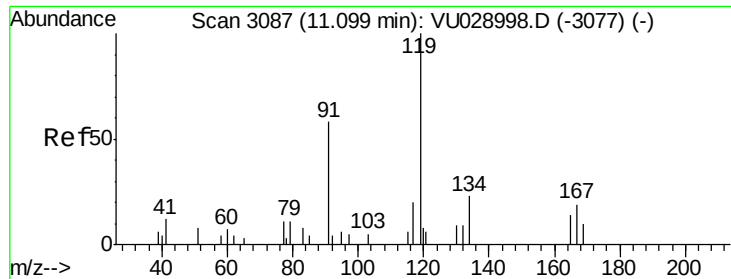
Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-2975) (-)

Ion 125.90 (125.60 to 126.60): VU028998.D (-2975) (-)





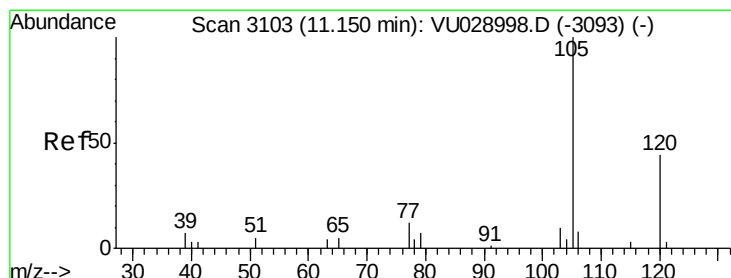
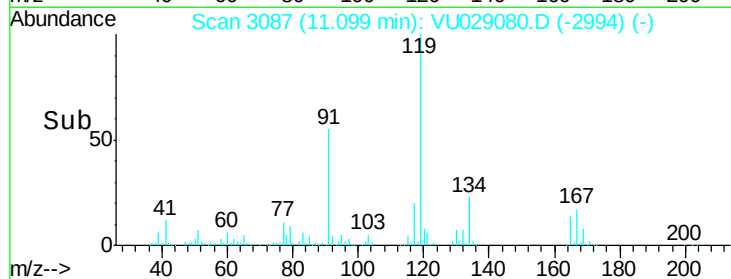
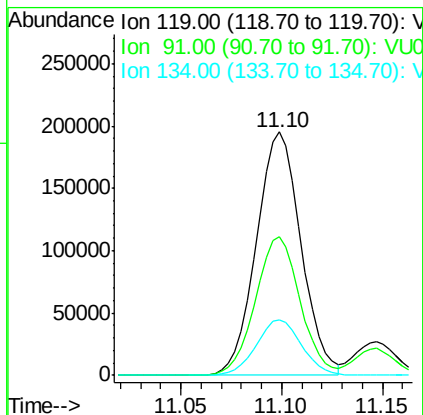
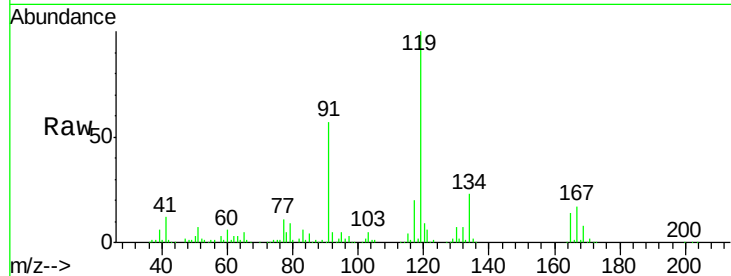
#83
 tert-Butylbenzene
 Concen: 49.344 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301481		
91	57.1	28.2	84.6	
134	22.9	11.3	33.8	

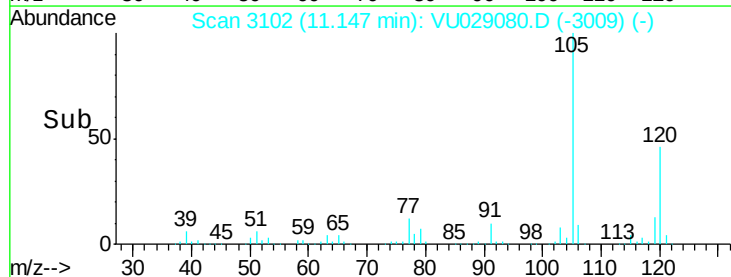
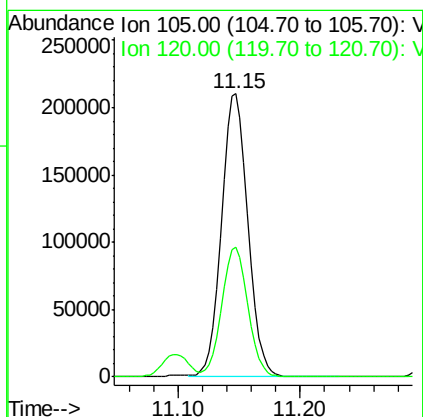
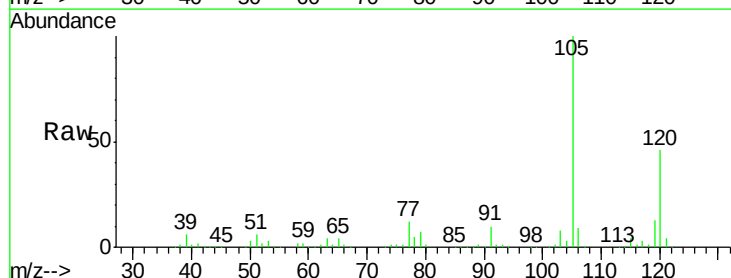
Manual Integrations
 APPROVED

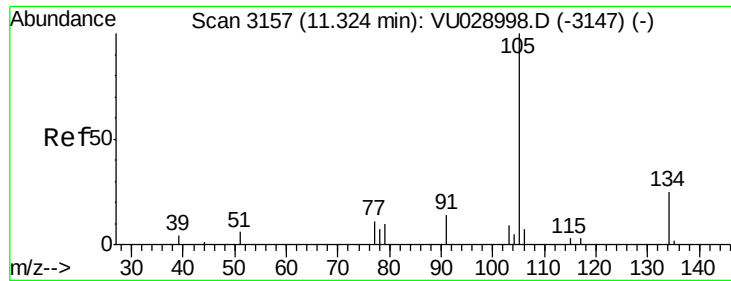
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.792 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320533		
120	45.3	23.1	69.3	





#85

sec-Butylbenzene

Concen: 52.528 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 388139

Ion Ratio Lower Upper

105 100

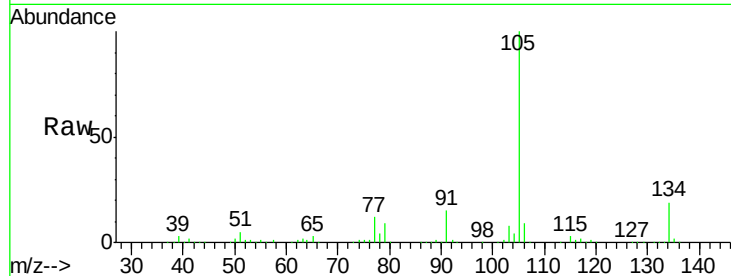
134 19.5 9.7 29.1

Manual Integrations

APPROVED

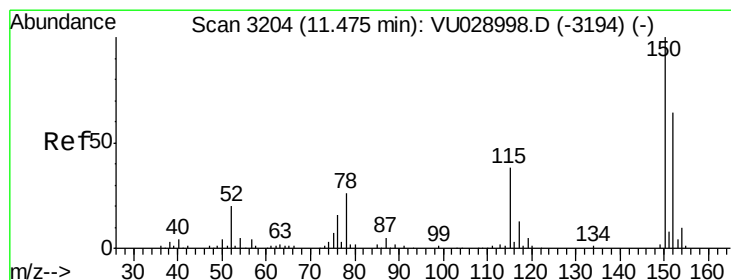
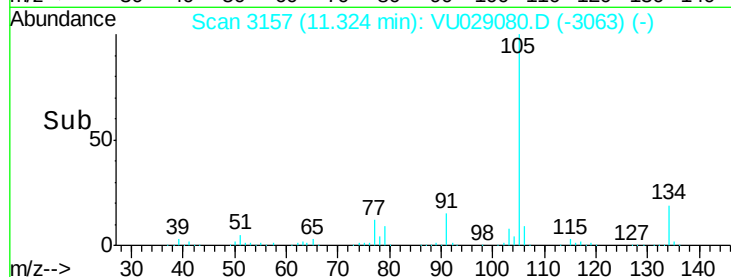
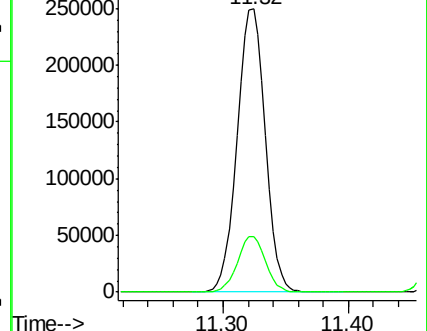
MMDadoda

1/10/2019 9:38:26 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.573 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029080.D

Acq: 09 Jan 2019 09:07

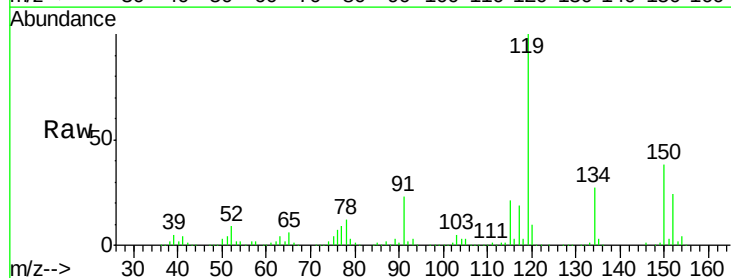
Tgt Ion:119 Resp: 331024

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

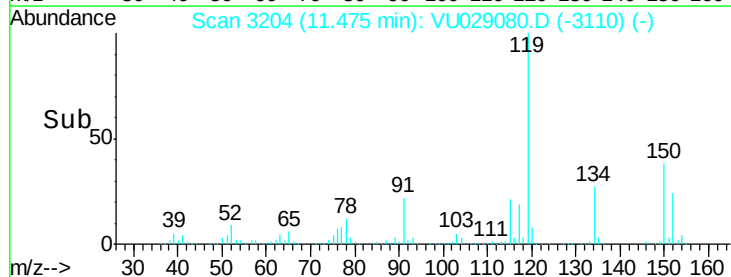
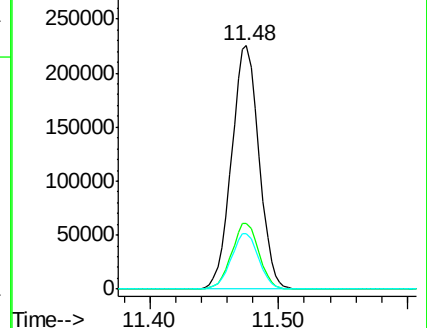
91 23.0 11.3 33.8

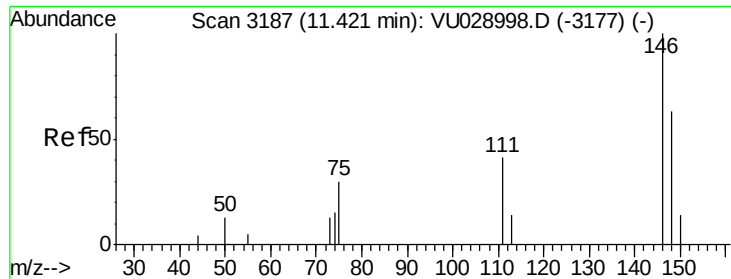


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





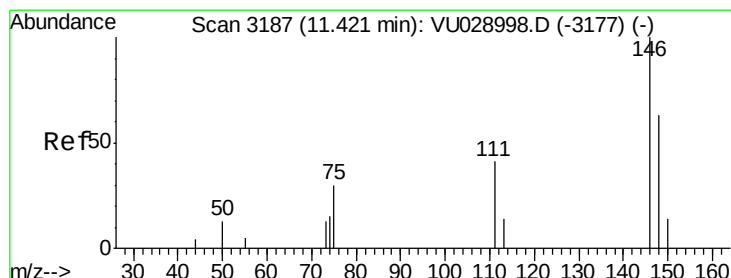
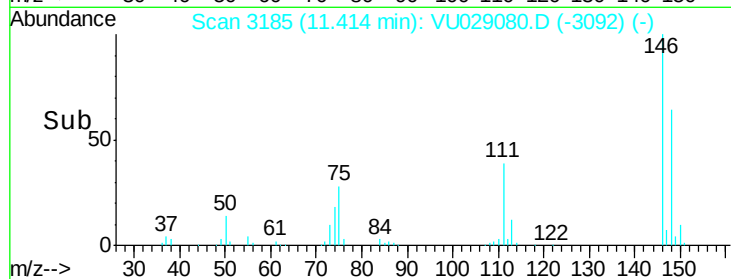
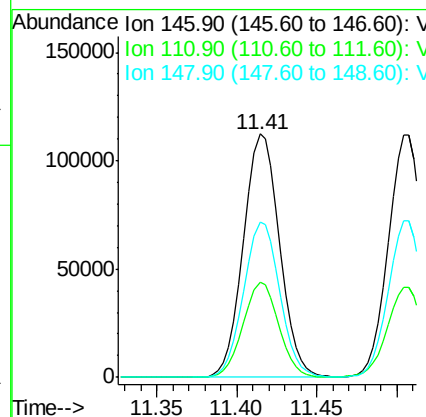
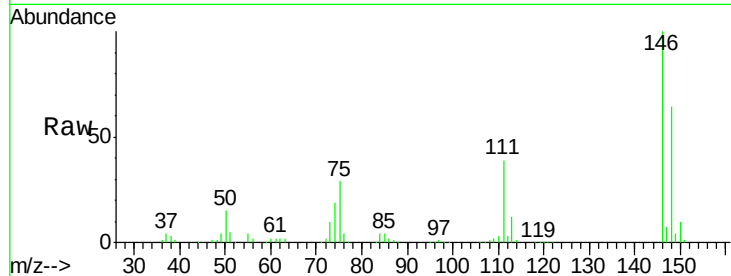
#87
 1,3-Dichlorobenzene
 Concen: 48.725 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.8	32.5	97.5

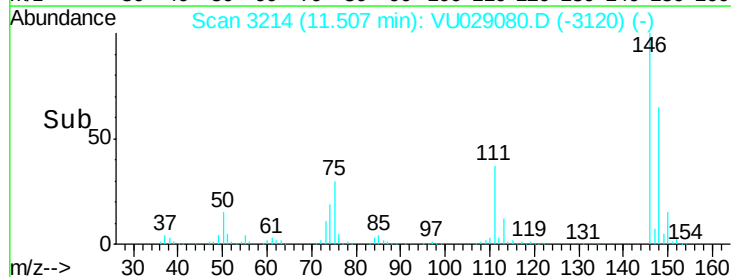
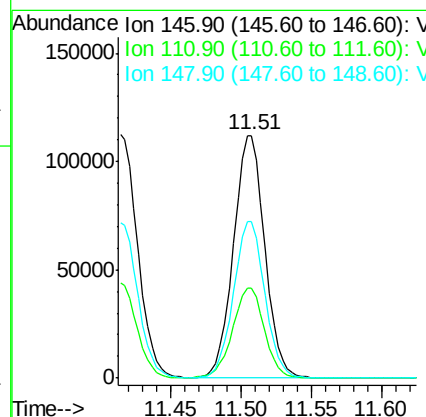
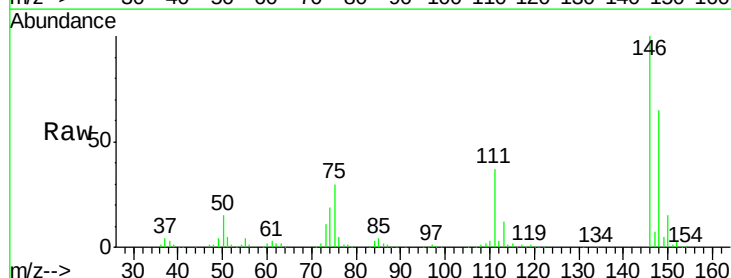
Manual Integrations
 APPROVED

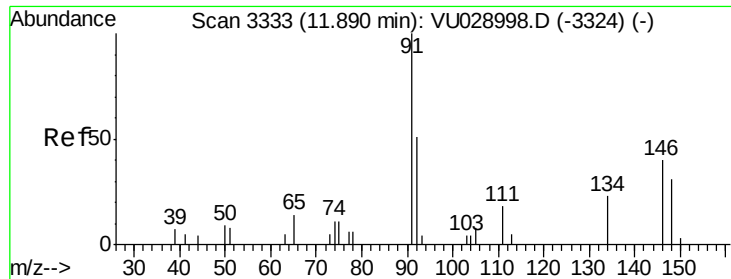
MMDadoda
 1/10/2019 9:38:26 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.302 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.3
148	65.1	32.6	98.0





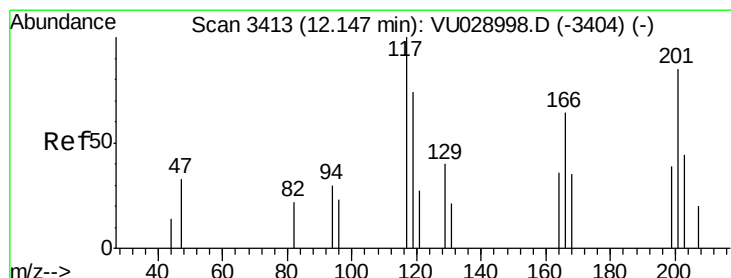
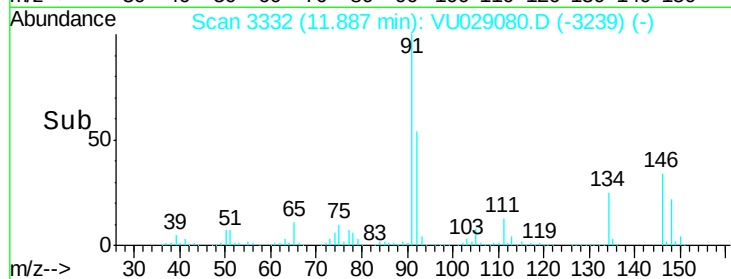
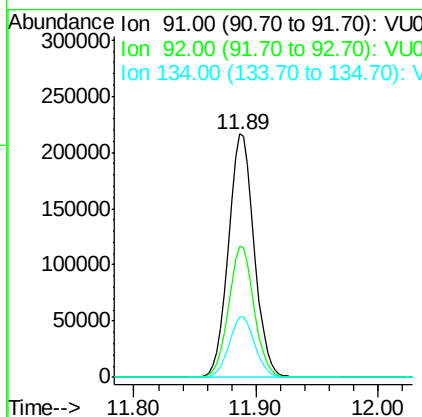
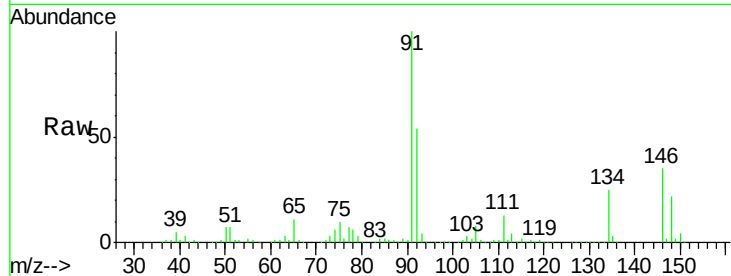
#89
n-Butylbenzene
Concen: 56.901 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.2	78.5
134	24.9	12.6	37.6

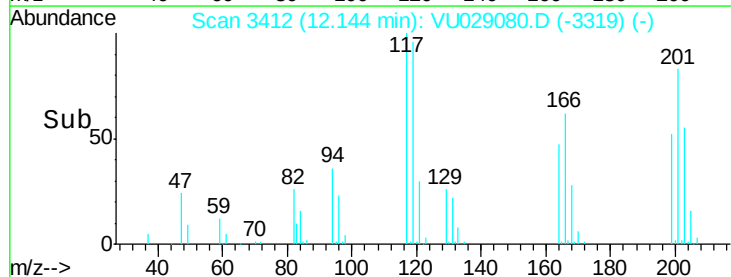
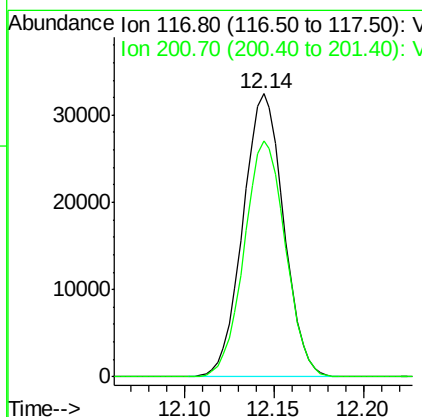
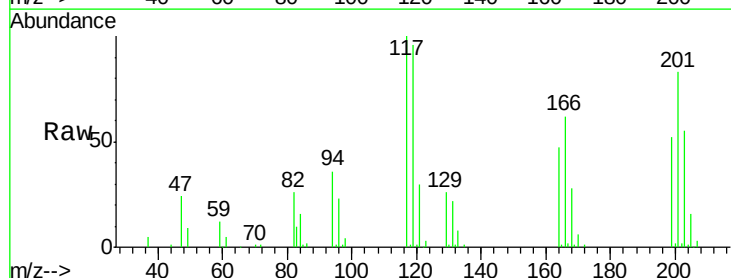
Manual Integrations
APPROVED

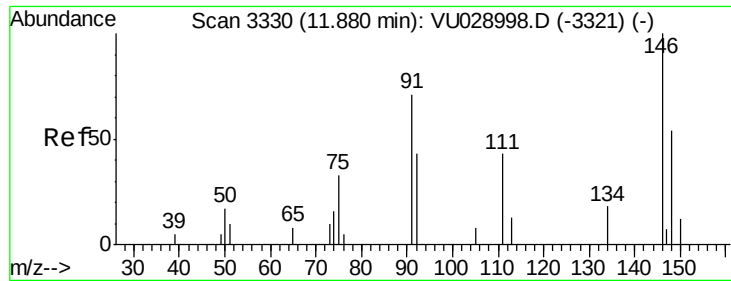
MMDadoda
1/10/2019 9:38:26 AM



#90
Hexachloroethane
Concen: 48.801 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	42.4	127.3





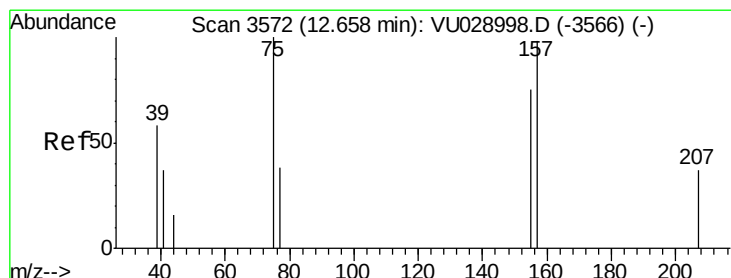
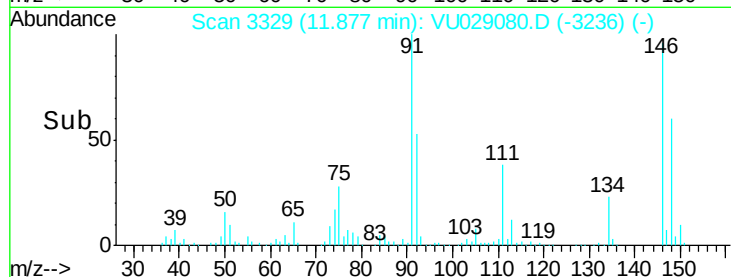
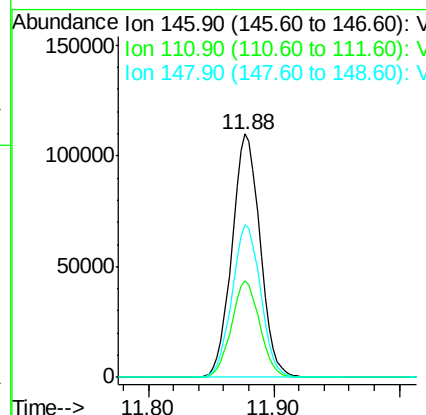
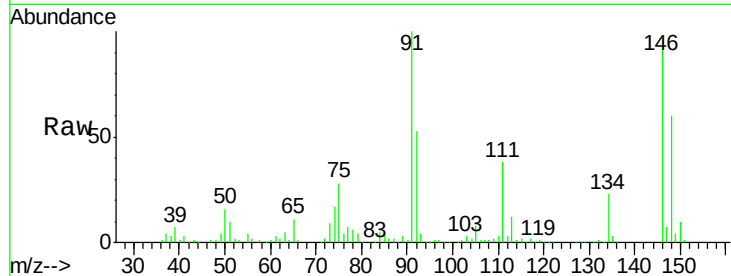
#91
 1,2-Dichlorobenzene
 Concen: 48.160 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.9	31.6	94.8

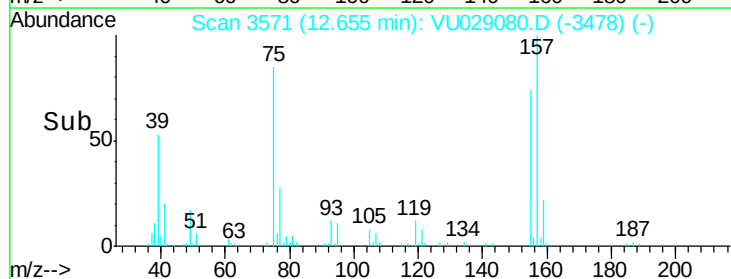
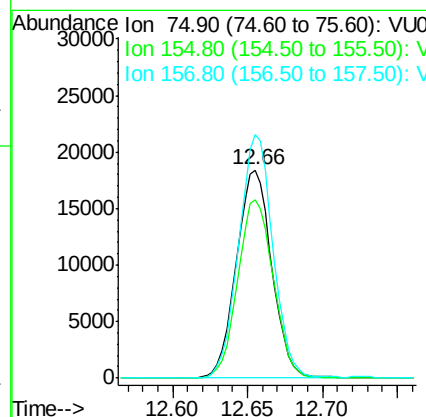
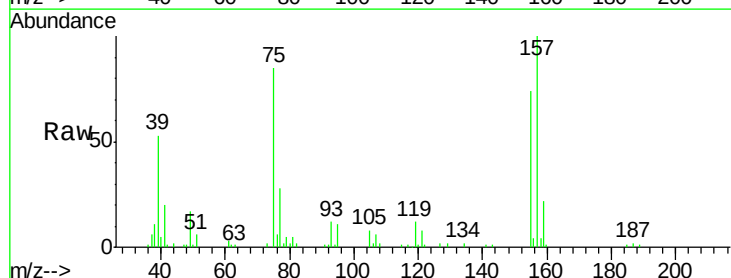
Manual Integrations
 APPROVED

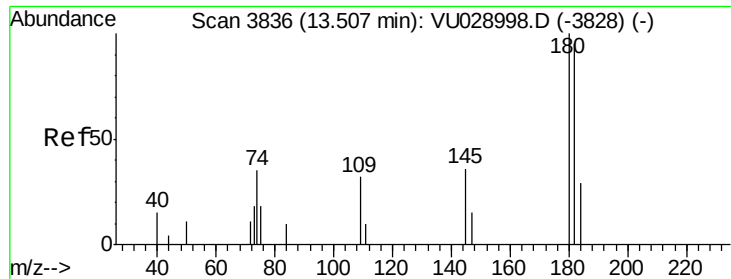
MMDadoda
 1/10/2019 9:38:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.914 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	46.3	138.8
157	113.2	57.4	172.0





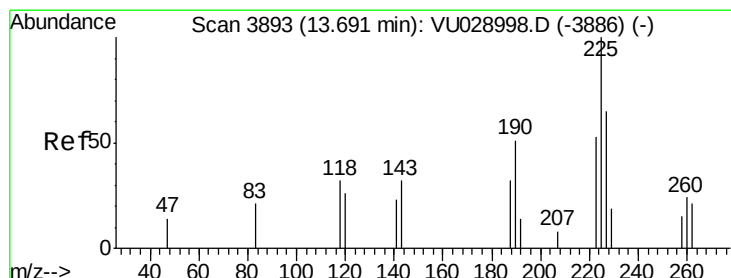
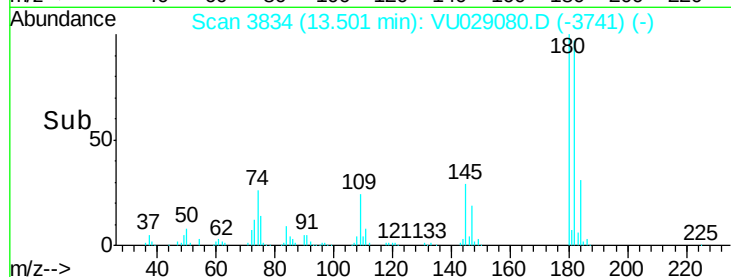
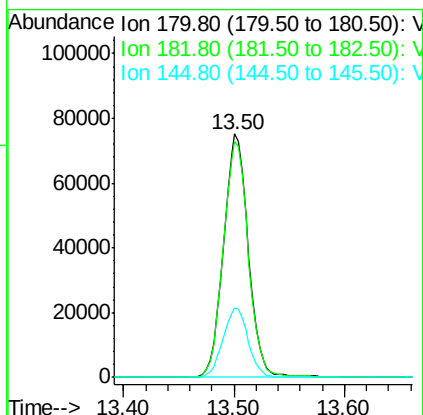
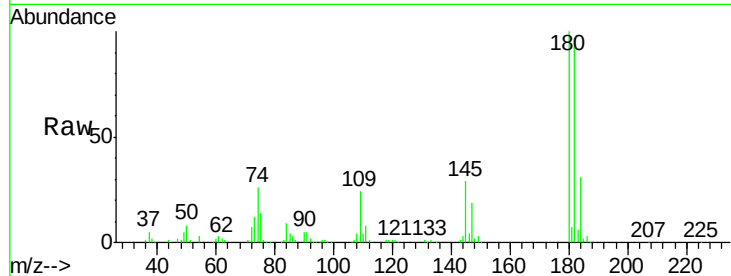
#93
 1,2,4-Trichlorobenzene
 Concen: 51.184 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.5	142.6
145	28.9	14.0	42.0

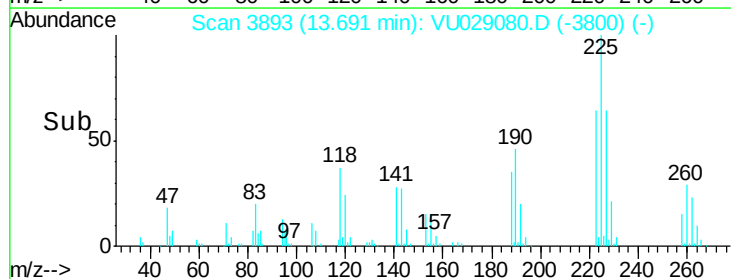
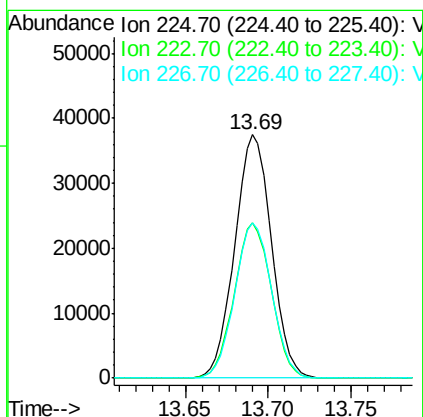
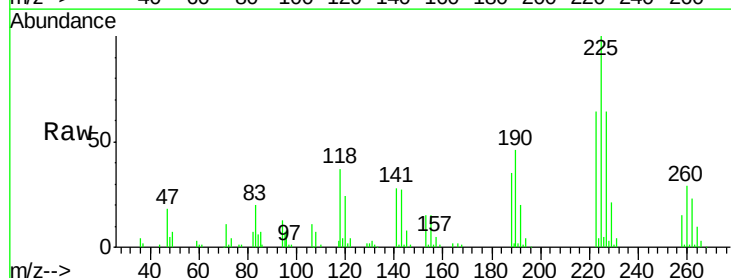
Manual Integrations
 APPROVED

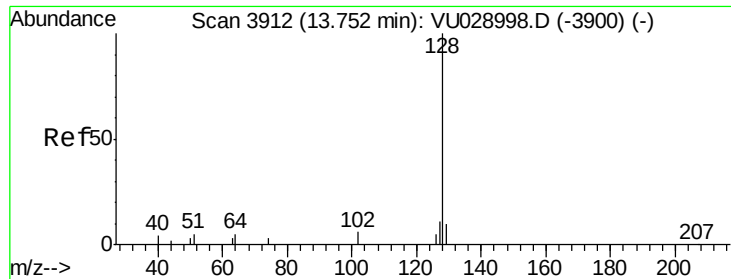
MMDadoda
 1/10/2019 9:38:26 AM



#94
 Hexachlorobutadiene
 Concen: 55.272 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029080.D
 Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.4	94.0
227	64.0	31.9	95.5





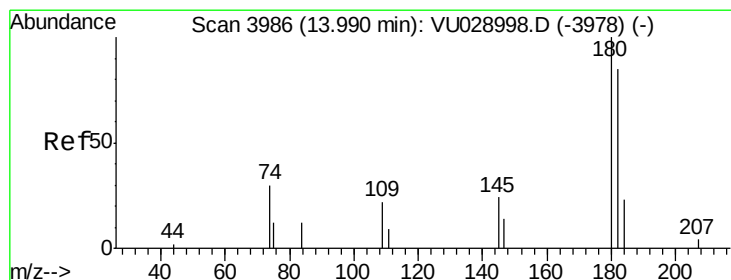
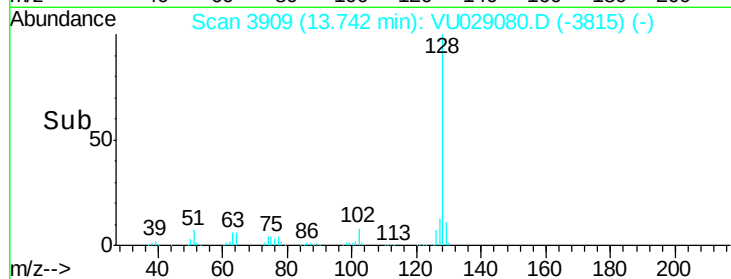
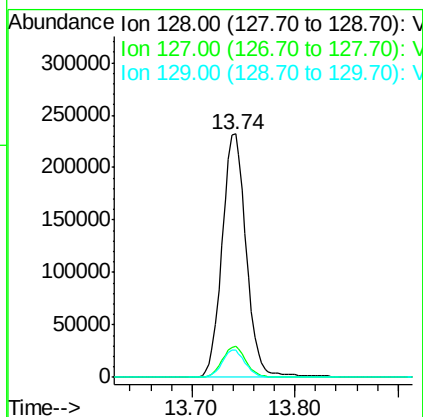
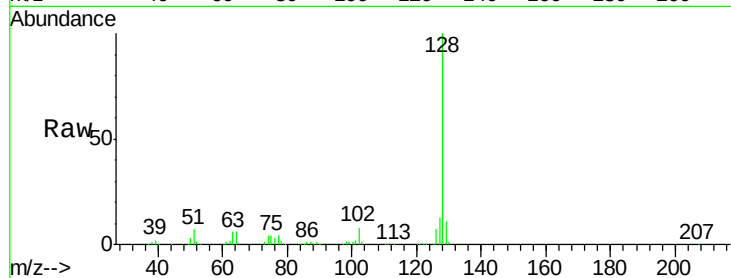
#95
Naphthalene
Concen: 48.838 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:38:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.555 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029080.D
Acq: 09 Jan 2019 09:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	29.8	14.8	44.4

