

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010919\
 Data File : VU029102.D
 Acq On : 09 Jan 2019 20:16
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:38:40 AM

Quant Time: Jan 10 05:50:32 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	111239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	185444	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	88794	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.30	65	73017	53.10	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.20%		
35) Dibromofluoromethane	4.88	113	61089	50.82	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.64%		
50) Toluene-d8	7.56	98	236196	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.54%		
62) 4-Bromofluorobenzene	10.30	95	84387	49.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.96%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	54917	49.781	ug/l	99
3) Chloromethane	1.33	50	85562	48.574	ug/l	99
4) Vinyl Chloride	1.40	62	81808	50.322	ug/l	97
5) Bromomethane	1.61	94	42383	50.755	ug/l	100
6) Chloroethane	1.69	64	48492	50.078	ug/l	99
7) Trichlorofluoromethane	1.88	101	85972	48.532	ug/l	100
8) Diethyl Ether	2.10	74	40642	47.755	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	57619	48.612	ug/l	99
10) Methyl Iodide	2.41	142	60066	53.895	ug/l	99
11) Tert butyl alcohol	2.83	59	91741	262.463	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57559	49.891	ug/l	97
13) Acrolein	2.19	56	62527	238.229	ug/l	99
14) Allyl chloride	2.59	41	99058	46.795	ug/l	92
15) Acrylonitrile	2.93	53	235724	274.885	ug/l	99
16) Acetone	2.32	43	185129	213.706	ug/l	99
17) Carbon Disulfide	2.47	76	180485	47.212	ug/l	99
18) Methyl Acetate	2.61	43	116987	58.080	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	203181	50.092	ug/l	99
20) Methylene Chloride	2.70	84	72033	48.975	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	63808	47.604	ug/l	95
22) Diisopropyl ether	3.57	45	224796	53.731	ug/l	97
23) Vinyl Acetate	3.52	43	933736	273.006	ug/l	99
24) 1,1-Dichloroethane	3.44	63	126764	52.487	ug/l	99
25) 2-Butanone	4.26	43	314581	268.864	ug/l	100
26) 2,2-Dichloropropane	4.22	77	90712	46.484	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	74176	50.597	ug/l	99
28) Bromochloromethane	4.55	49	55173	53.351	ug/l	95
29) Tetrahydrofuran	4.64	42	200738	282.871	ug/l	98
30) Chloroform	4.67	83	121351	52.753	ug/l	98
31) Cyclohexane	4.99	56	114799	50.362	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	97083	51.076	ug/l	99
36) 1,1-Dichloropropene	5.13	75	89022	48.027	ug/l	99
37) Ethyl Acetate	4.38	43	111739	54.919	ug/l	99
38) Carbon Tetrachloride	5.13	117	78408	50.717	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	107897	47.349	ug/l	100
40) Benzene	5.39	78	287767	49.771	ug/l	100
41) Methacrylonitrile	4.54	41	60727	55.759	ug/l	98
42) 1,2-Dichloroethane	5.40	62	91818	52.848	ug/l	100
43) Isopropyl Acetate	5.55	43	169254	54.229	ug/l	99
44) Trichloroethene	6.18	130	67093	46.833	ug/l	99
45) 1,2-Dichloropropane	6.43	63	78892	51.669	ug/l	98
46) Dibromomethane	6.56	93	49373	50.583	ug/l	99
47) Bromodichloromethane	6.76	83	92618	51.537	ug/l	98
48) Methyl methacrylate	6.62	41	86596	56.981	ug/l	97
49) 1,4-Dioxane	6.61	88	38947	1081.394	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	591140	278.303	ug/l	99
52) Toluene	7.64	92	173218	49.212	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	106794	49.469	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	118692	50.881	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	71570	50.755	ug/l	98
56) Ethyl methacrylate	8.02	69	112925	51.981	ug/l	97
57) 1,3-Dichloropropane	8.24	76	124797	51.722	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	272029	284.731	ug/l	99
59) 2-Hexanone	8.36	43	458842	275.195	ug/l	98
60) Dibromochloromethane	8.48	129	69932	50.058	ug/l	97
61) 1,2-Dibromoethane	8.58	107	78353	51.233	ug/l	98
64) Tetrachloroethene	8.22	164	58464	47.208	ug/l	95
65) Chlorobenzene	9.12	112	185924	48.246	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	64673	51.714	ug/l	99
67) Ethyl Benzene	9.25	91	320833	49.866	ug/l	99
68) m/p-Xylenes	9.37	106	253314	101.331	ug/l	99
69) o-Xylene	9.78	106	123457	51.254	ug/l	99
70) Styrene	9.79	104	201858	51.120	ug/l	99
71) Bromoform	9.95	173	57457	51.598	ug/l #	98
73) Isopropylbenzene	10.16	105	316119	48.099	ug/l	99
74) N-amyl acetate	10.01	43	150267	53.059	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	130437	49.519	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	110714m	50.889	ug/l	
77) Bromobenzene	10.45	156	80900	47.234	ug/l	99
78) n-propylbenzene	10.58	91	385348	49.752	ug/l	99
79) 2-Chlorotoluene	10.66	91	226022	48.106	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	272033	49.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	38140m	45.213	ug/l	
82) 4-Chlorotoluene	10.77	91	256363	47.585	ug/l	99
83) tert-Butylbenzene	11.10	119	264060	48.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	273086	49.837	ug/l	100
85) sec-Butylbenzene	11.32	105	324379	49.582	ug/l	99
86) p-Isopropyltoluene	11.48	119	278336	49.927	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	145908	46.445	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	148680	45.849	ug/l	99
89) n-Butylbenzene	11.89	91	258001	51.852	ug/l	100
90) Hexachloroethane	12.14	117	46811	49.914	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	146962	46.444	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26693	52.688	ug/l	98

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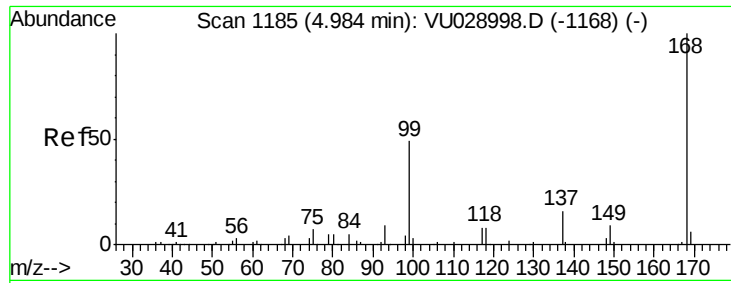
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96351	47.701	ug/l	100
94) Hexachlorobutadiene	13.69	225	46197	50.003	ug/l	98
95) Naphthalene	13.74	128	331191	48.199	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	100173	48.202	ug/l	100

(#) = 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: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 111239

Ion Ratio Lower Upper

168 100

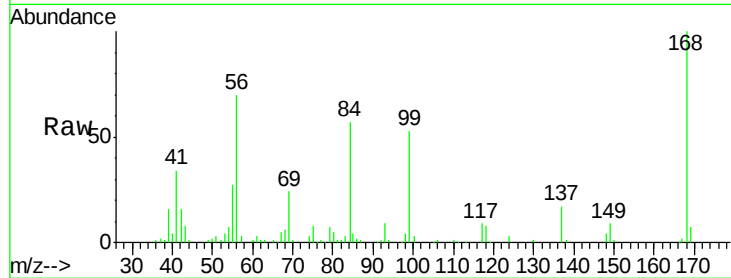
99 53.4 42.0 63.0

Manual Integrations

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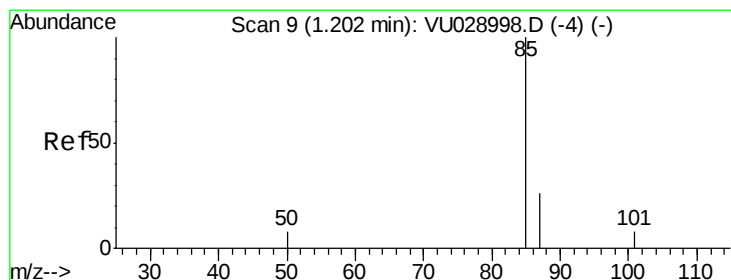
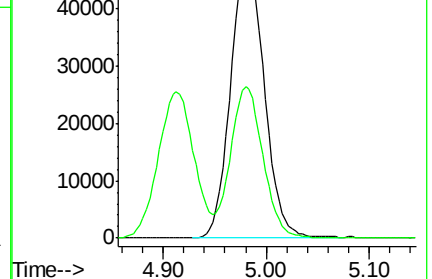
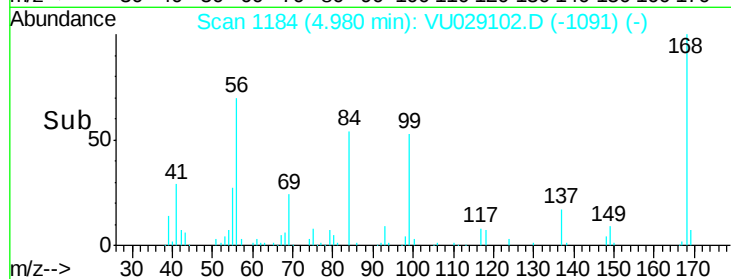


Abundance Ion 167.90 (167.60 to 168.60): VU028998.D (-1168) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 49.781 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU029102.D

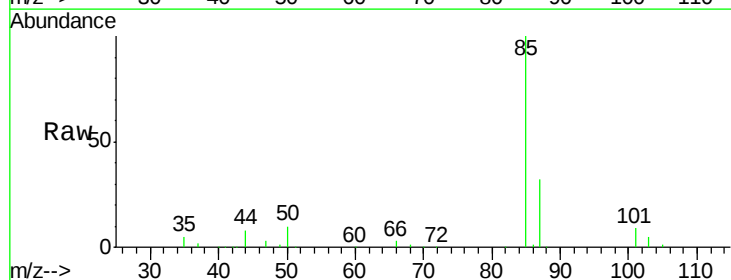
Acq: 09 Jan 2019 20:16

Tgt Ion: 85 Resp: 54917

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8

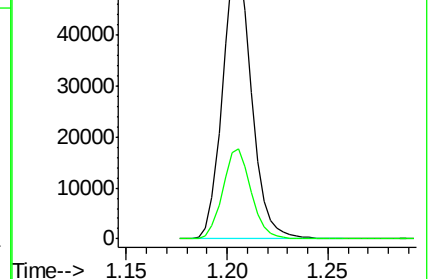
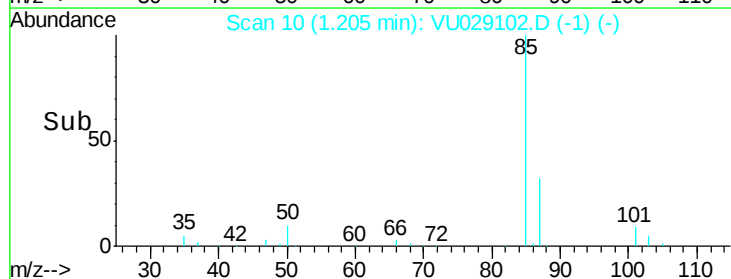


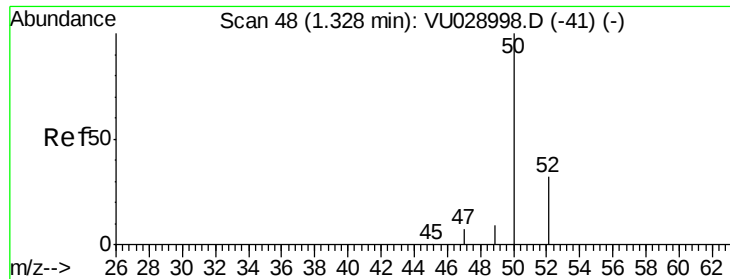
Abundance Ion 84.90 (84.60 to 85.60): VU028998.D (-4) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 48.574 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85562

Ion Ratio Lower Upper

50 100

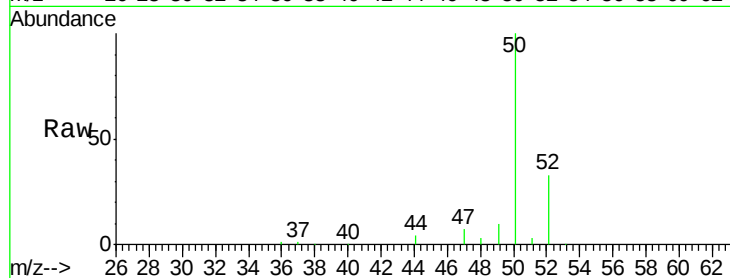
52 33.1 26.1 39.1

Manual Integrations

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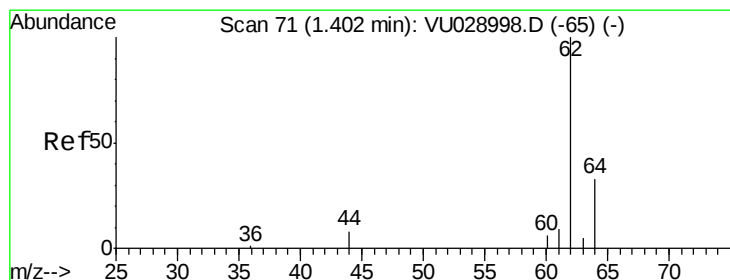
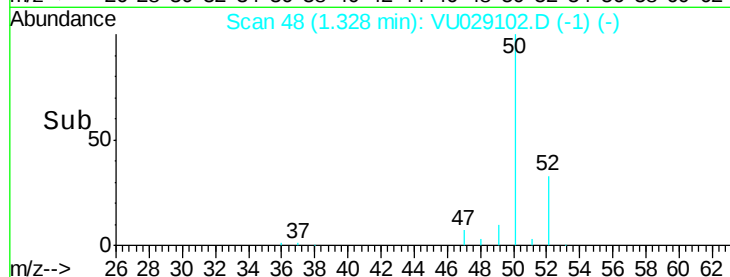
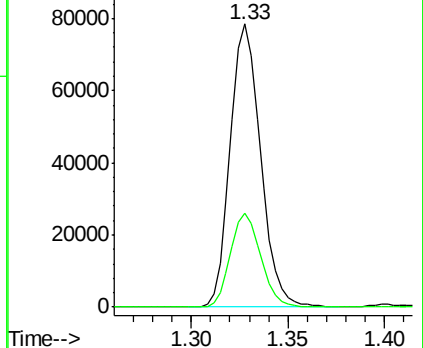
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.322 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU029102.D

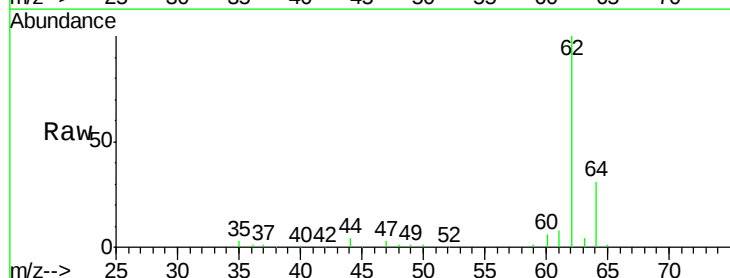
Acq: 09 Jan 2019 20:16

Tgt Ion: 62 Resp: 81808

Ion Ratio Lower Upper

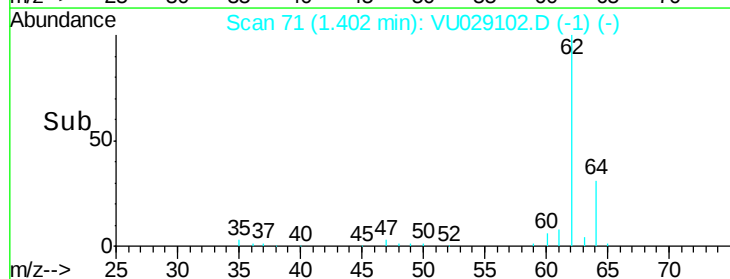
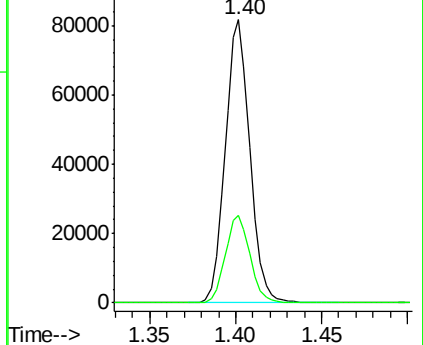
62 100

64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 50.755 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 42383

Ion Ratio Lower Upper

94 100

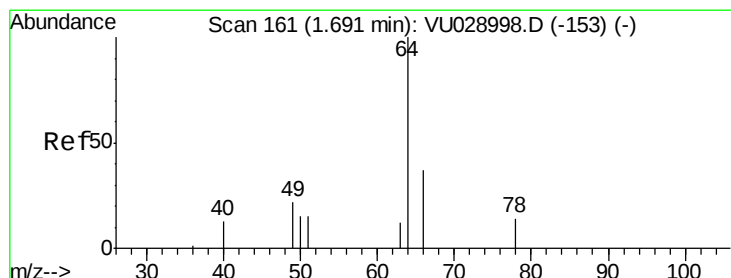
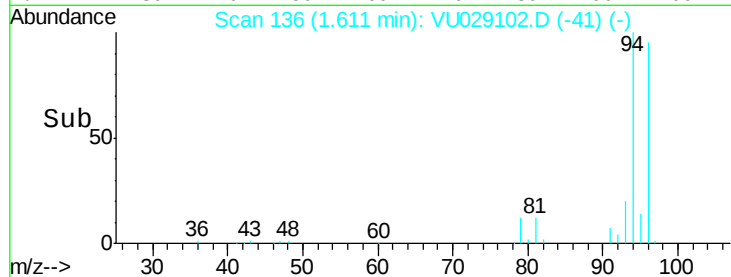
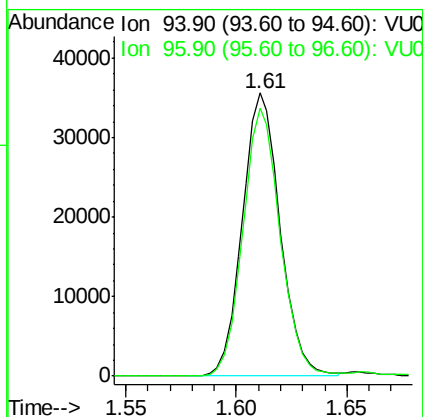
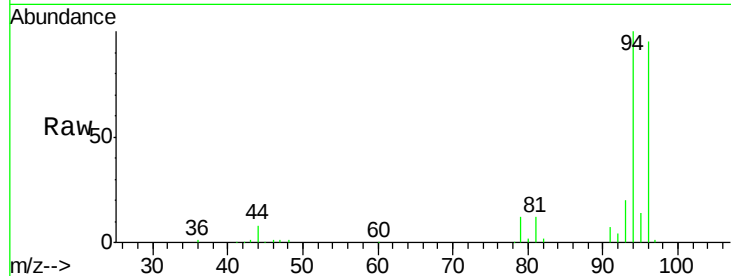
96 94.7 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 50.078 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.01 min

Lab File: VU029102.D

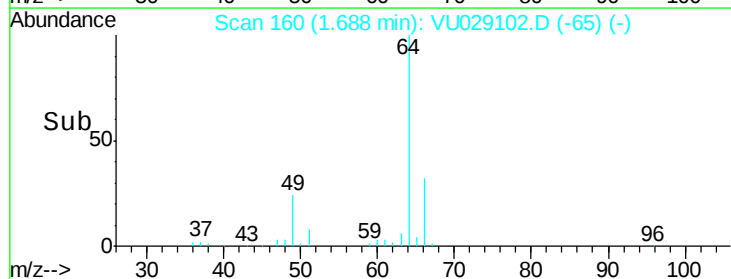
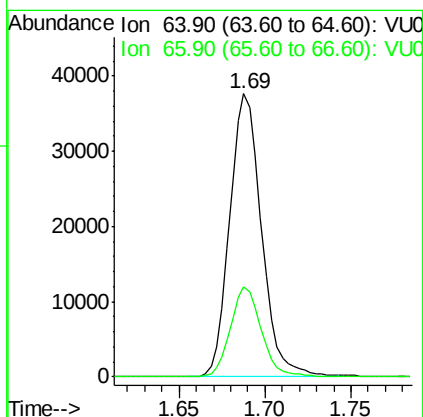
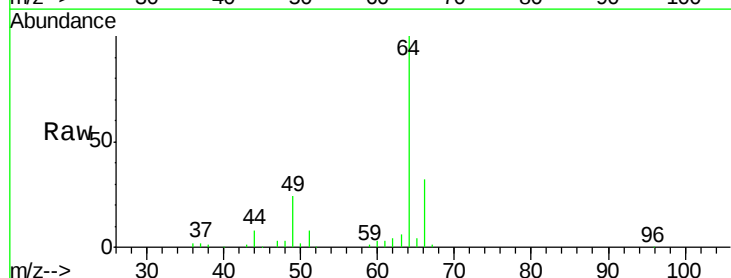
Acq: 09 Jan 2019 20:16

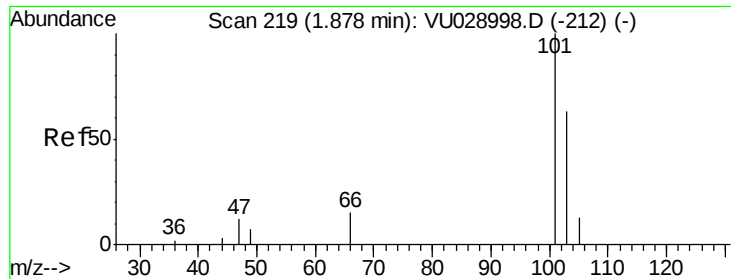
Tgt Ion: 64 Resp: 48492

Ion Ratio Lower Upper

64 100

66 31.9 25.2 37.8





#7

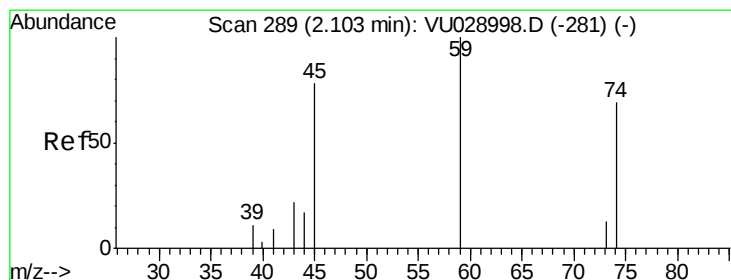
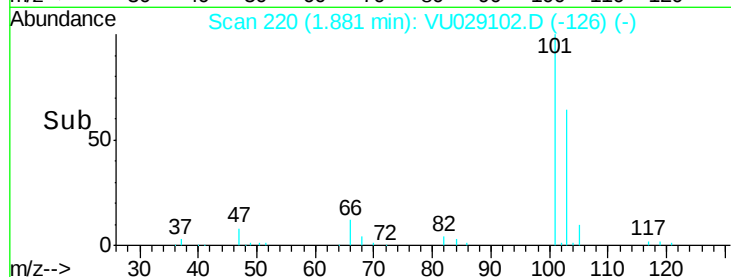
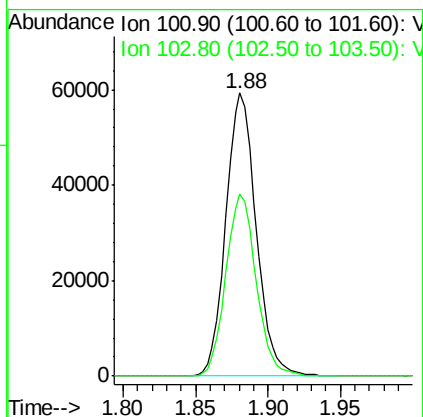
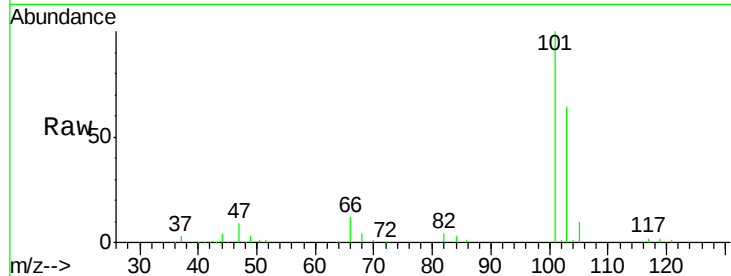
Trichlorofluoromethane
 Concen: 48.532 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 85972
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

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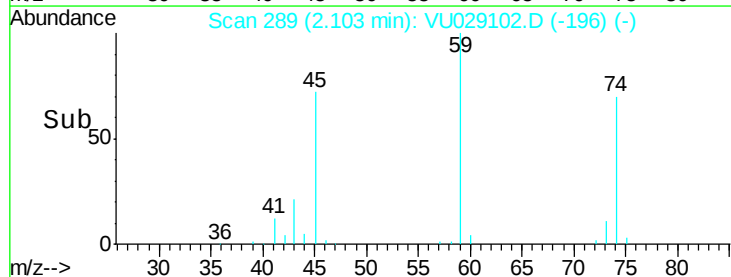
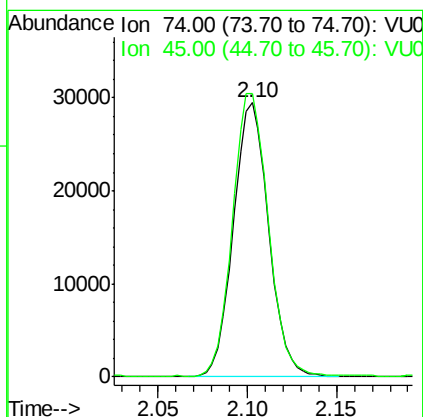
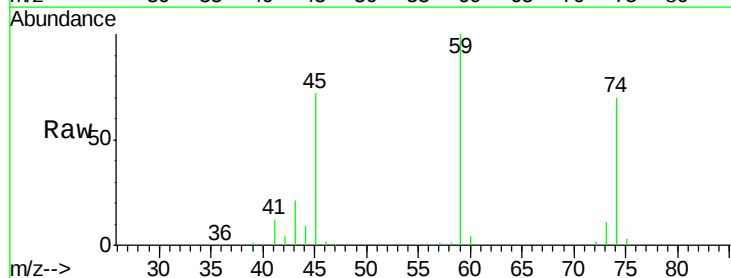
MMDadoda
 1/10/2019 9:38:40 AM

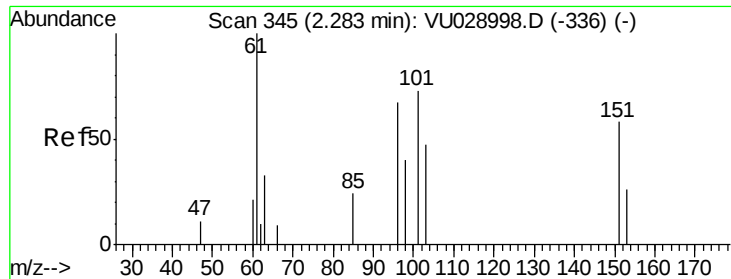


#8

Diethyl Ether
 Concen: 47.755 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion: 74 Resp: 40642
 Ion Ratio Lower Upper
 74 100
 45 105.5 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.612 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

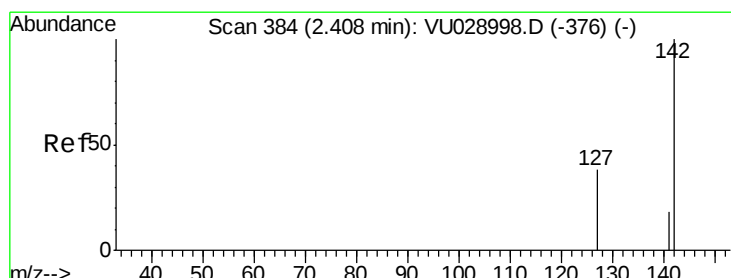
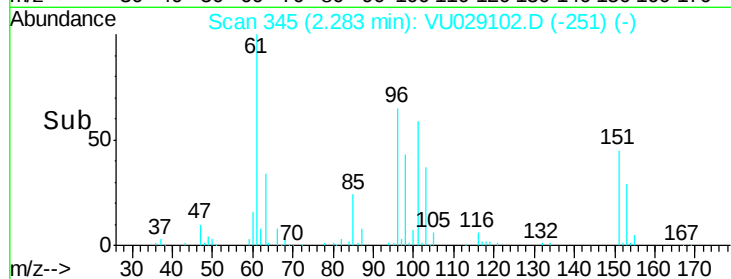
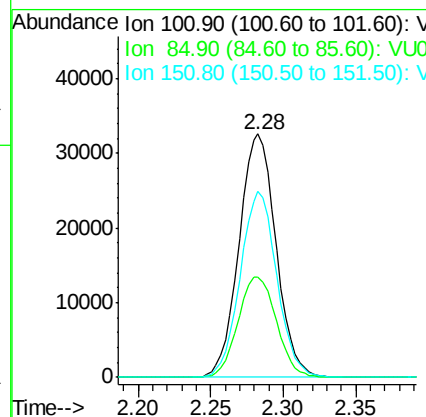
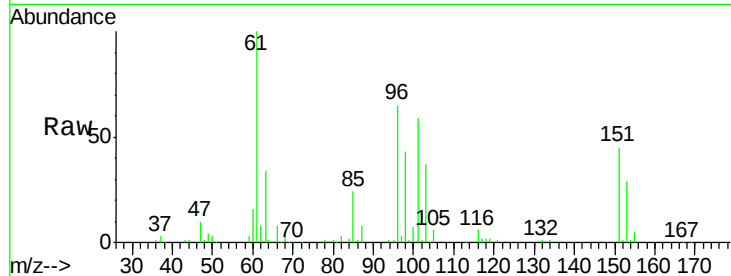
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	57619
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.1	52.7
151	75.7	60.2	90.2

Manual Integrations
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1/10/2019 9:38:40 AM



#10

Methyl Iodide

Concen: 53.895 ug/l

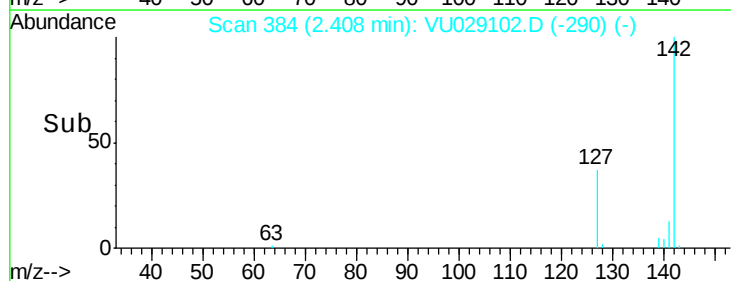
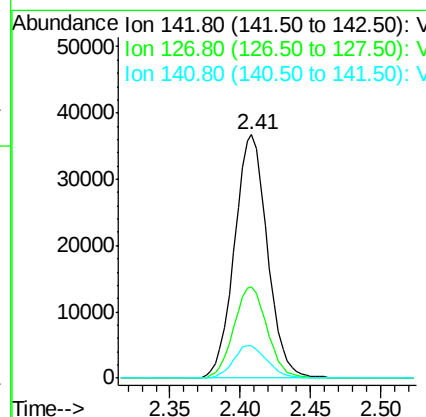
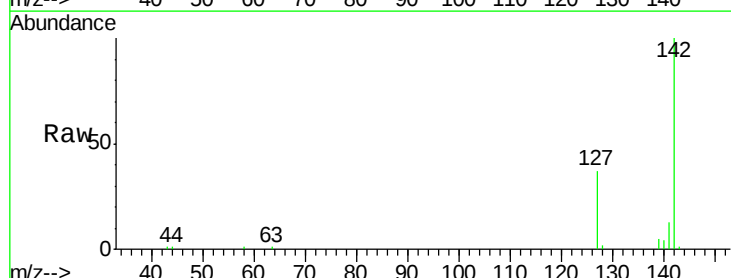
RT: 2.41 min Scan# 384

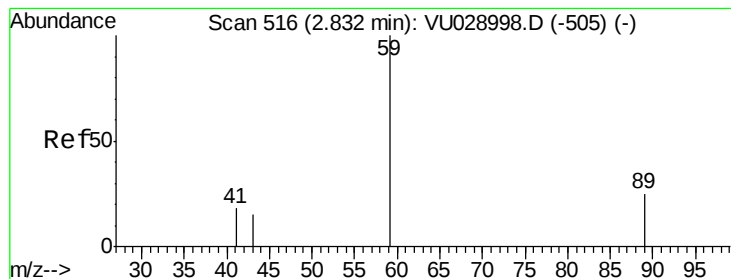
Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion:	142	Resp:	60066
Ion Ratio	Lower	Upper	
142	100		
127	37.8	29.8	44.6
141	13.7	11.5	17.3





#11

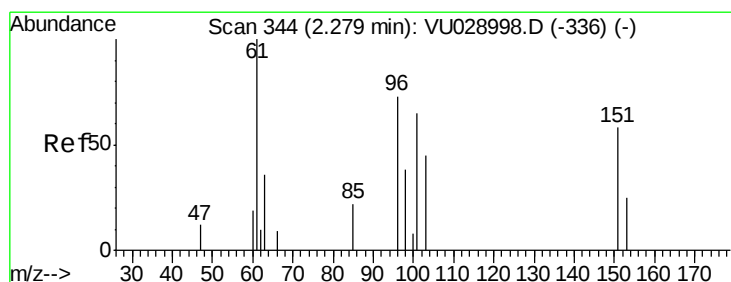
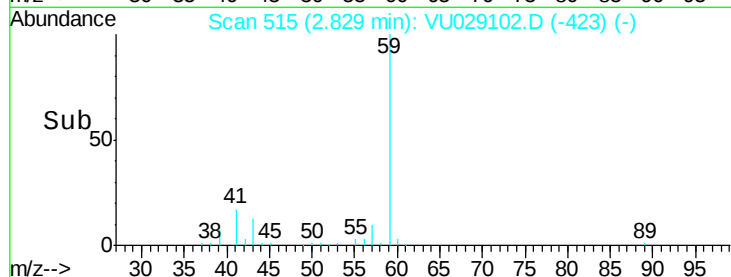
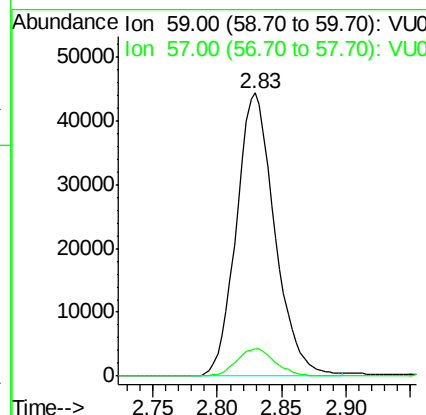
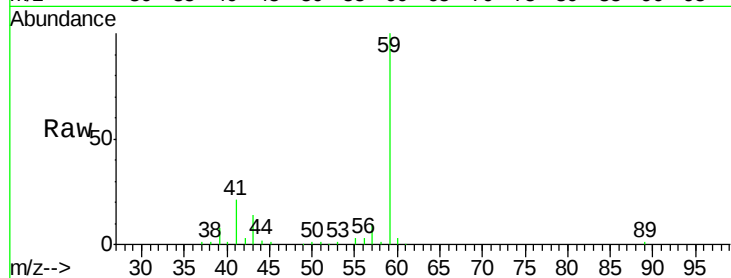
Tert butyl alcohol
Concen: 262.463 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	7.9	11.9

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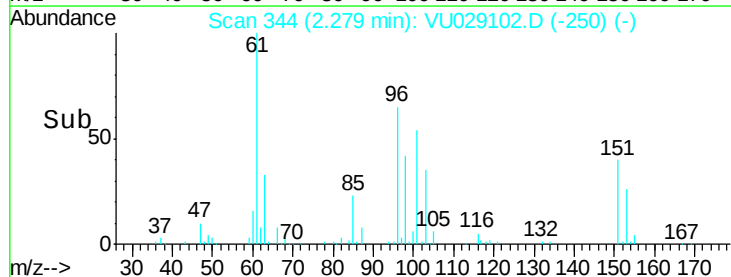
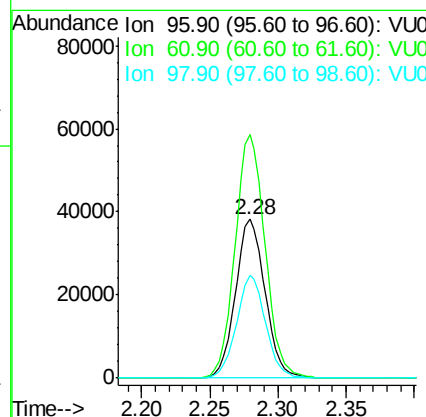
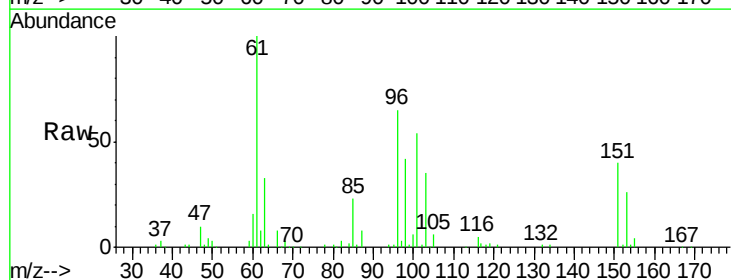
MMDadoda
1/10/2019 9:38:40 AM

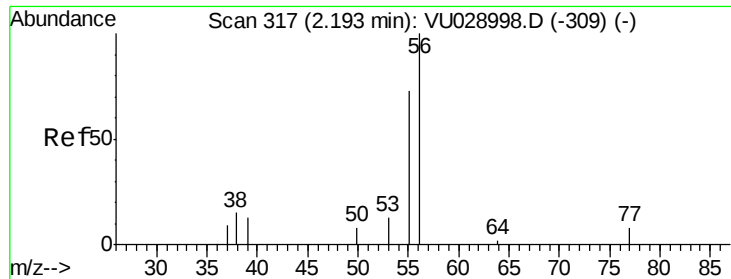


#12

1,1-Dichloroethene
Concen: 49.891 ug/l
RT: 2.28 min Scan# 344
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	125.4	188.0
98	64.4	49.7	74.5





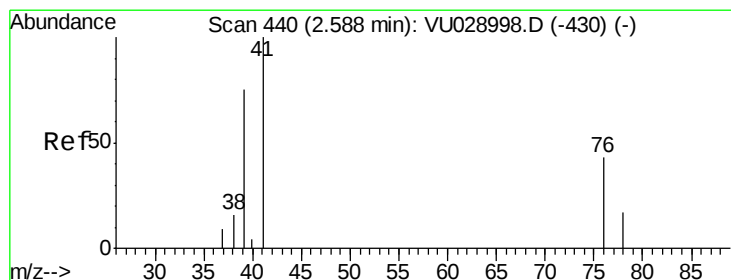
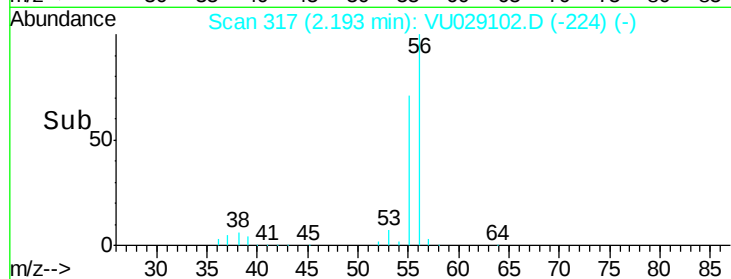
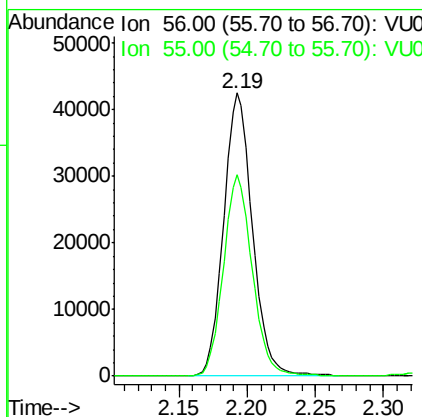
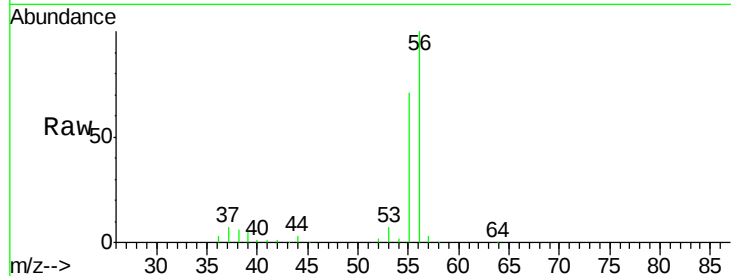
#13
Acrolein
Concen: 238.229 ug/l
RT: 2.19 min Scan# 317
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
62527	100	71.2		56.5	84.7

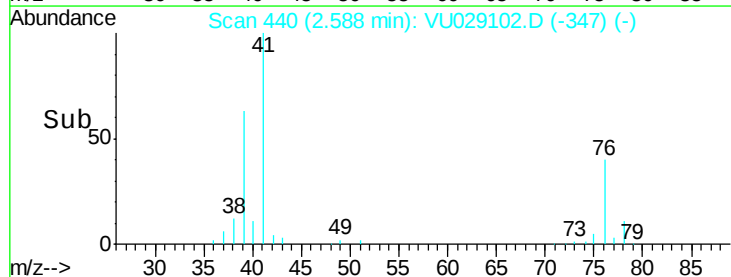
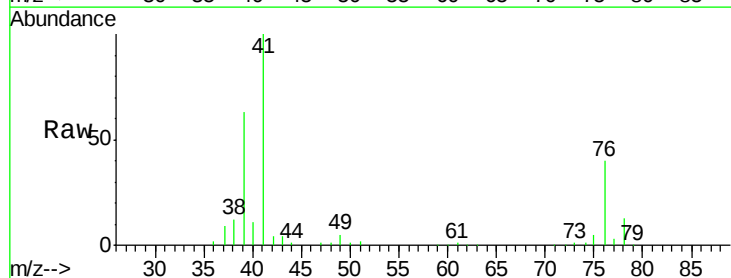
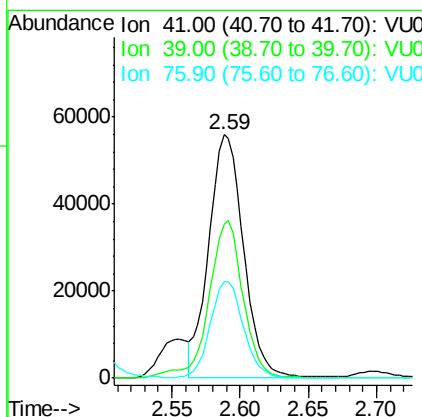
Manual Integrations
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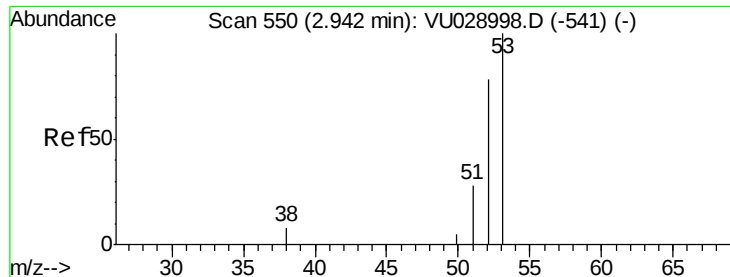
MMDadoda
1/10/2019 9:38:40 AM



#14
Allyl chloride
Concen: 46.795 ug/l
RT: 2.59 min Scan# 440
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	41	39	76	Ratio	Lower	Upper
99058	100	64.0	38.0		45.0	67.6
					28.1	42.1





#15

Acrylonitrile

Concen: 274.885 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

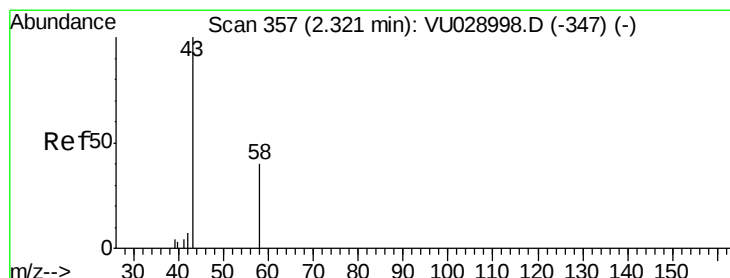
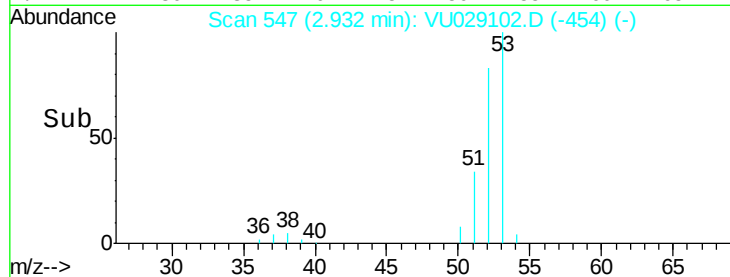
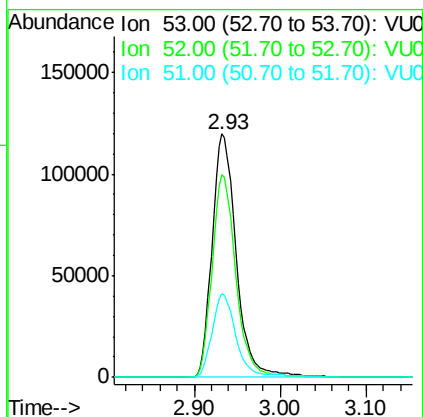
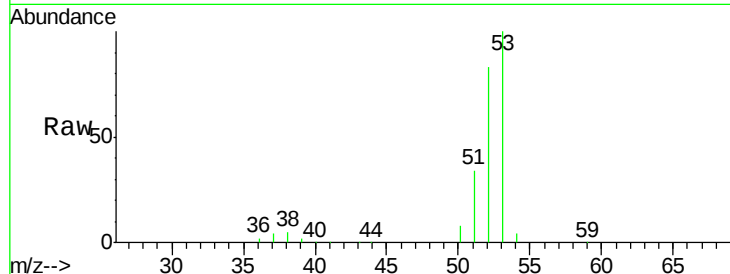
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	235724
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.8	97.2
51	33.3	27.3	40.9

Manual Integrations
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#16

Acetone

Concen: 213.706 ug/l

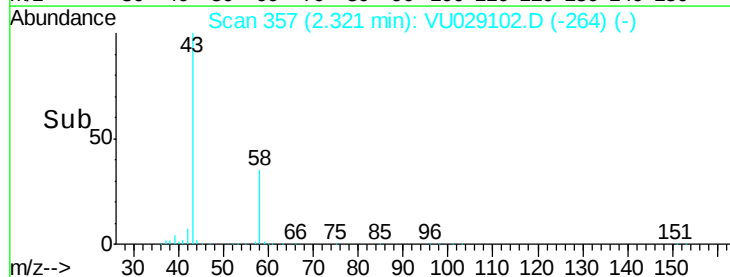
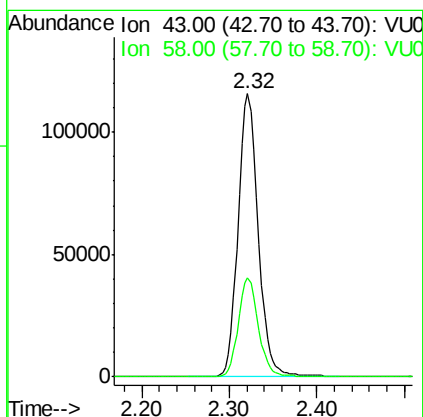
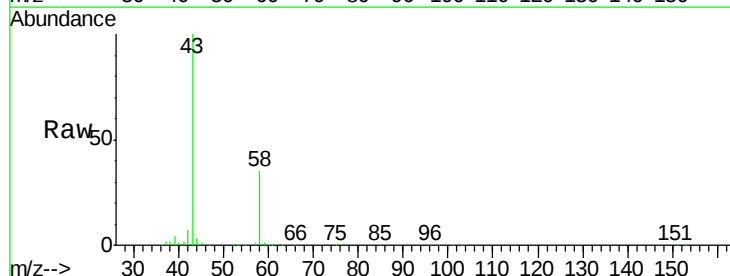
RT: 2.32 min Scan# 357

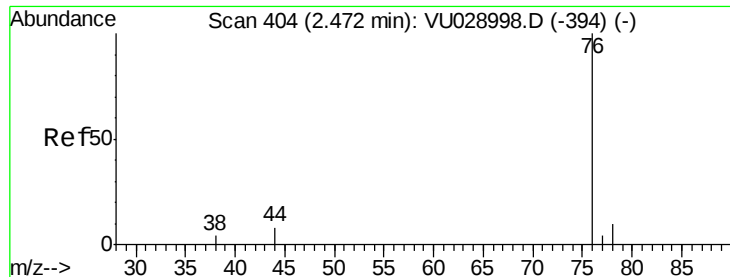
Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion:	43	Resp:	185129
Ion	Ratio	Lower	Upper
43	100		
58	35.2	28.6	42.8





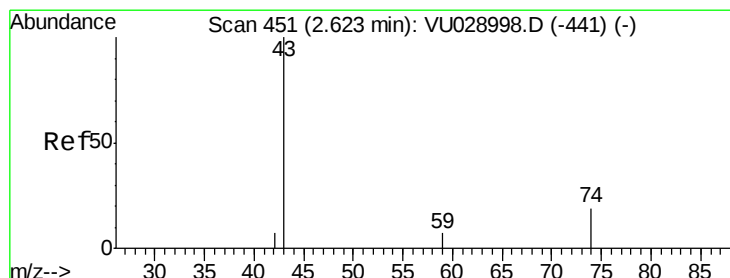
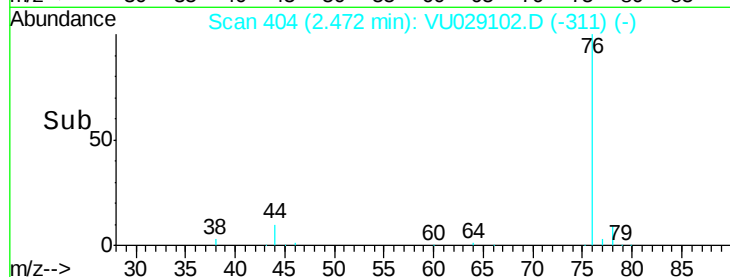
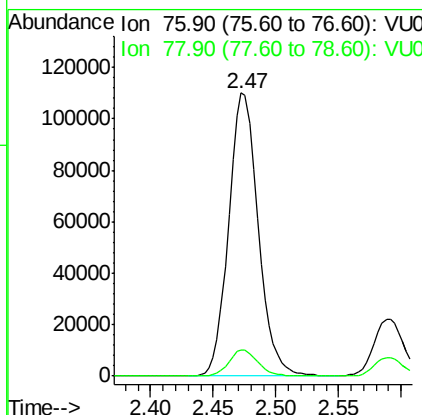
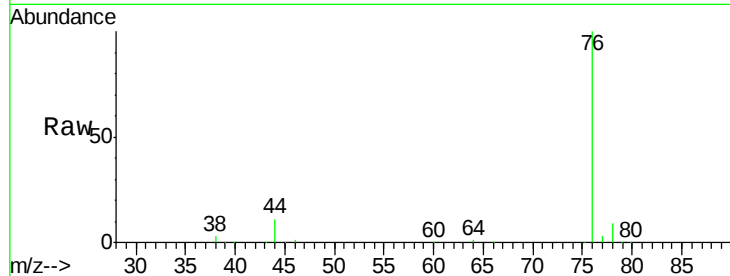
#17
Carbon Disulfide
Concen: 47.212 ug/l
RT: 2.47 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

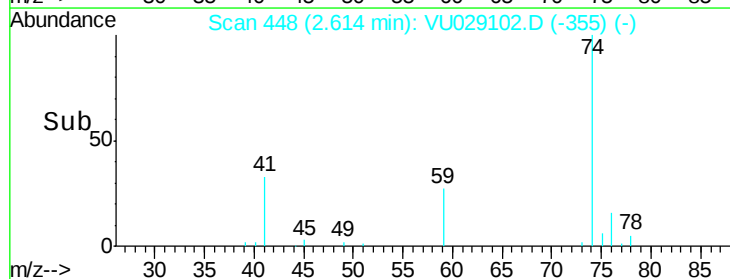
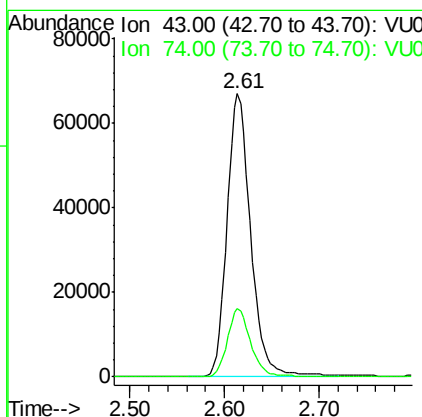
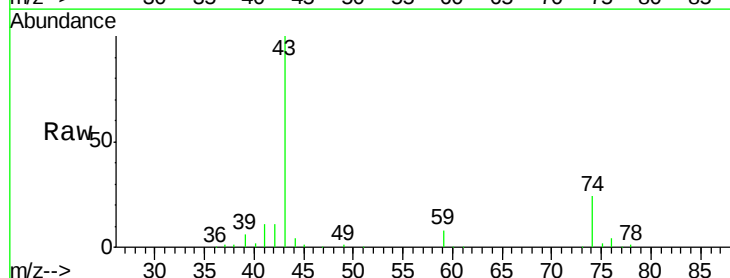
Manual Integrations
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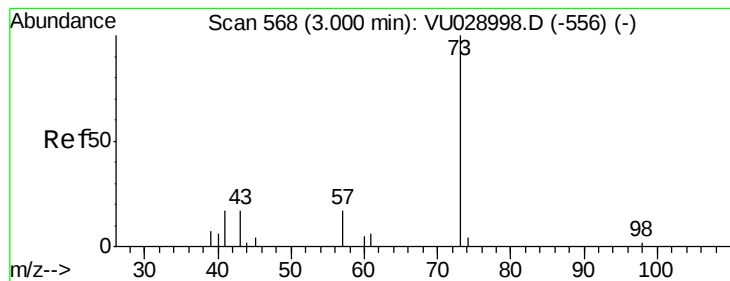
MMDadoda
1/10/2019 9:38:40 AM



#18
Methyl Acetate
Concen: 58.080 ug/l
RT: 2.61 min Scan# 448
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.5	29.3





#19

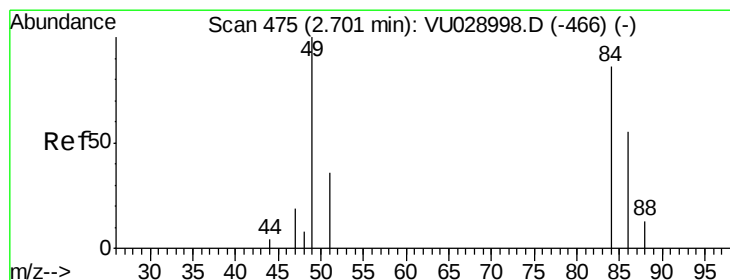
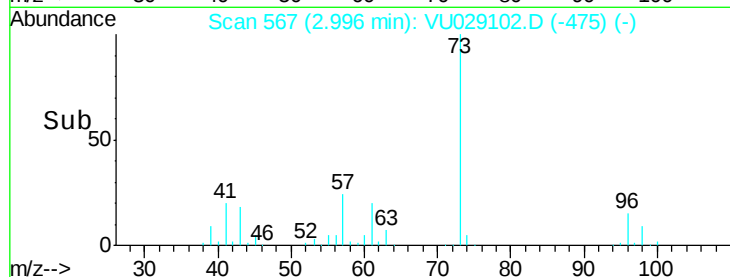
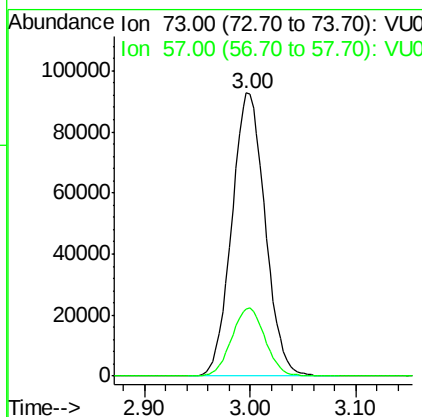
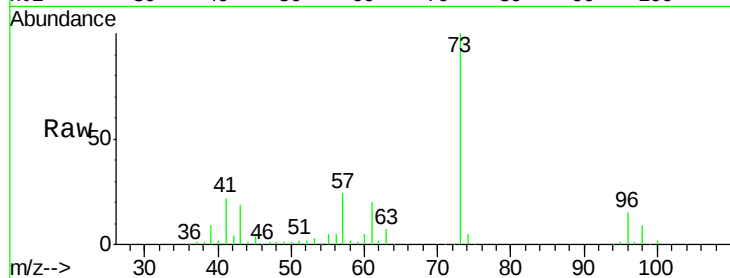
Methyl tert-butyl Ether
 Concen: 50.092 ug/l
 RT: 3.00 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.6	28.0

Manual Integrations
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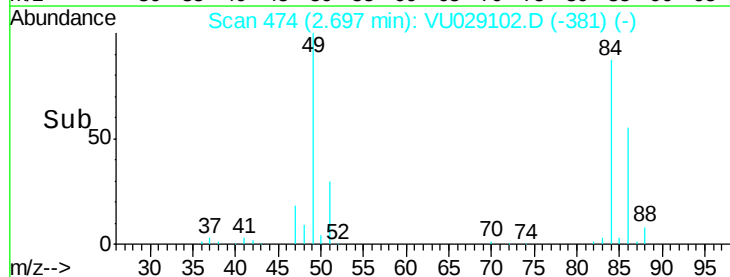
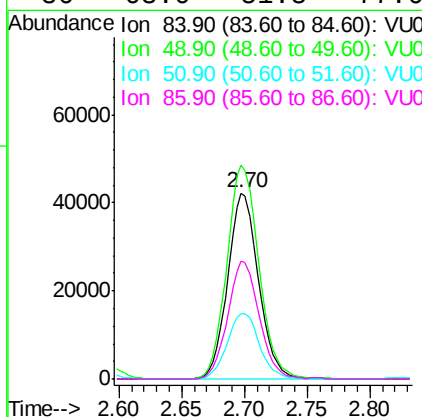
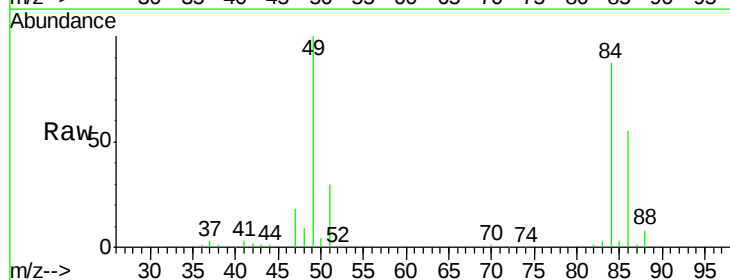
MMDadoda
 1/10/2019 9:38:40 AM

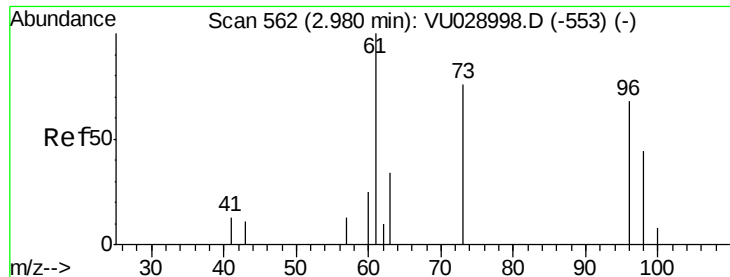


#20

Methylene Chloride
 Concen: 48.975 ug/l
 RT: 2.70 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.7	91.9	137.9
51	34.8	29.2	43.8
86	63.0	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 47.604 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 63808

Ion Ratio Lower Upper

96 100

61 142.2 107.7 161.5

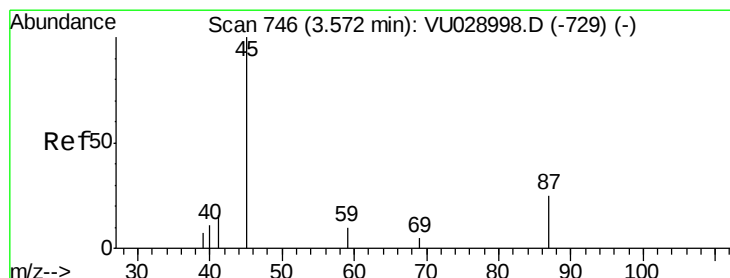
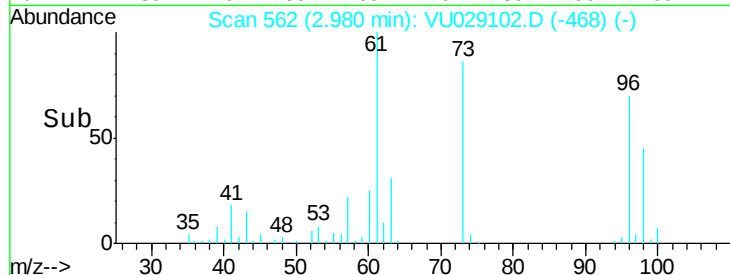
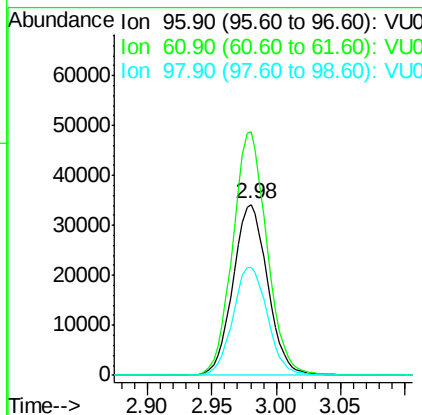
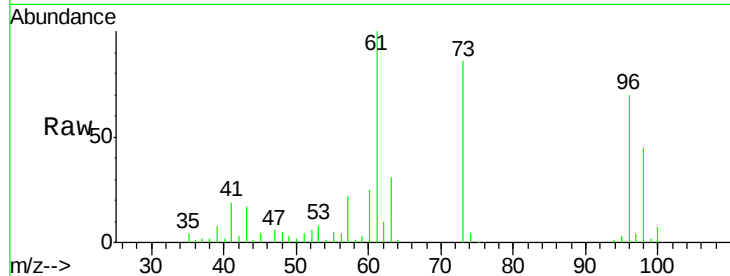
98 63.3 49.2 73.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 53.731 ug/l

RT: 3.57 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion: 45 Resp: 224796

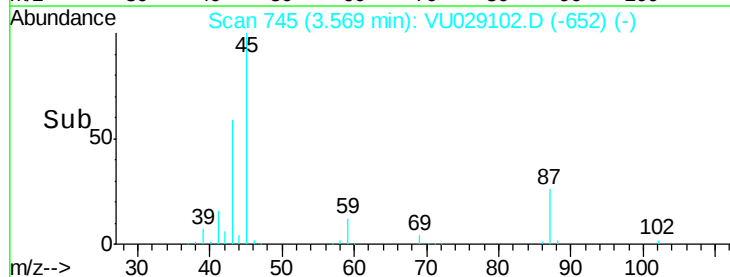
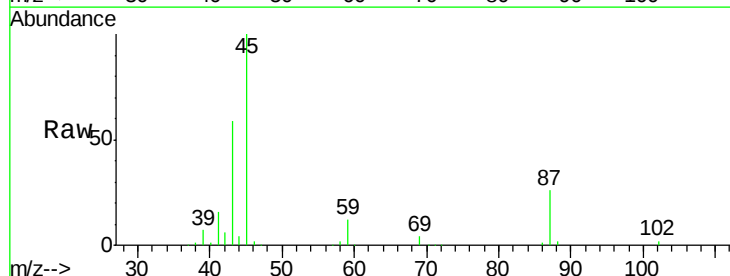
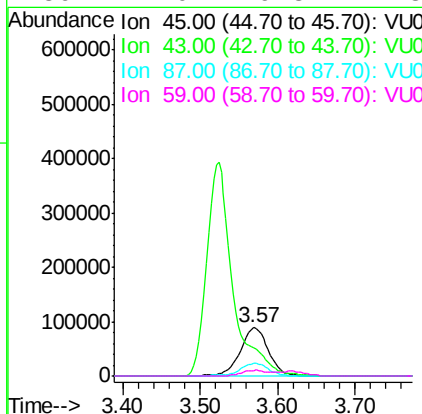
Ion Ratio Lower Upper

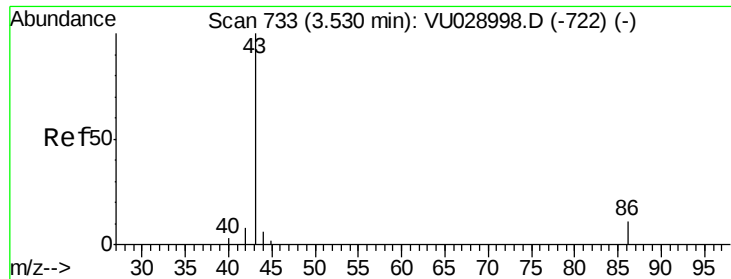
45 100

43 58.3 44.7 67.1

87 25.6 22.2 33.2

59 12.0 9.8 14.8





#23

Vinyl Acetate

Concen: 273.006 ug/l

RT: 3.52 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tot Ion: 43 Resp: 933736

Ion Ratio Lower Upper

43 100

86 10.4 8.6 13.0

Instrument :

MSVOA_U

ClientSampleId :

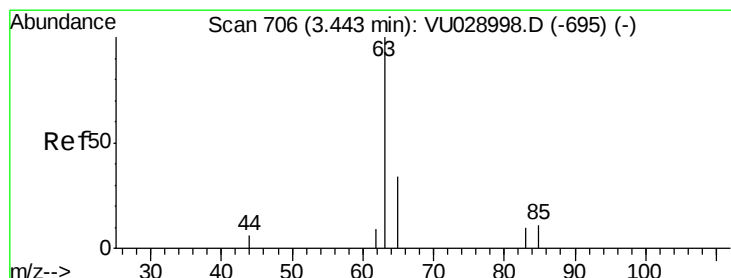
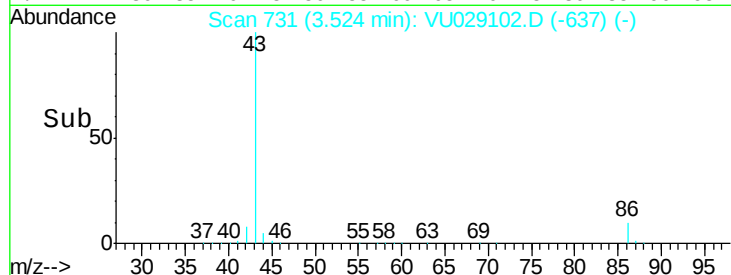
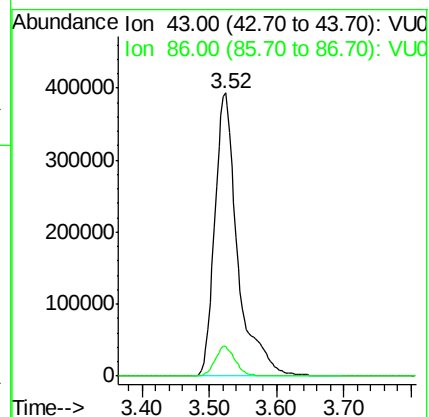
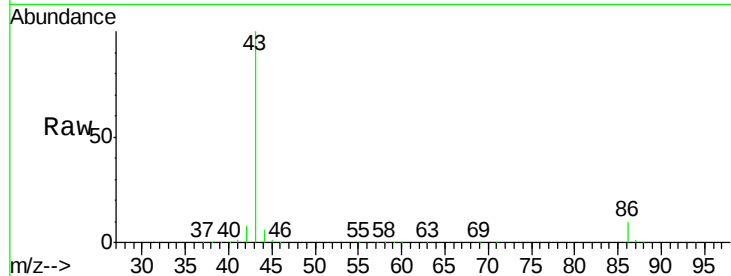
VSTDCCC050EC

Manual Integrations

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1/10/2019 9:38:40 AM



#24

1,1-Dichloroethane

Concen: 52.487 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

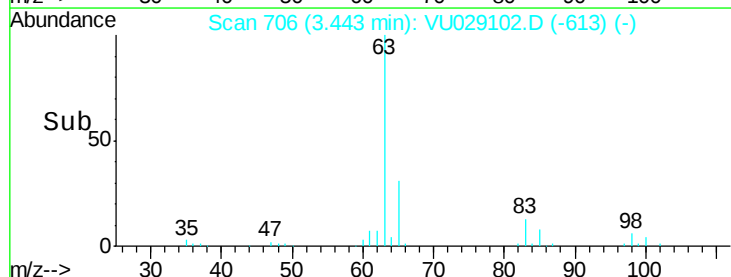
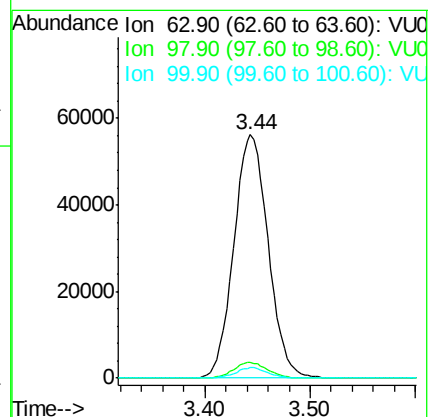
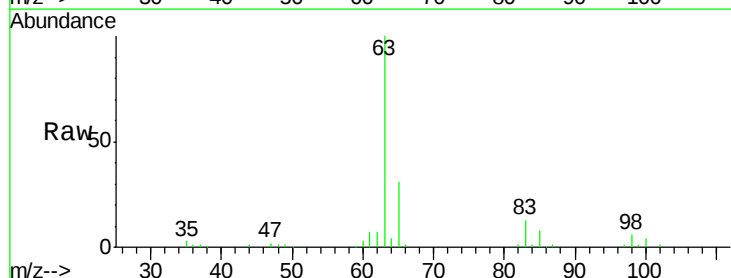
Tgt Ion: 63 Resp: 126764

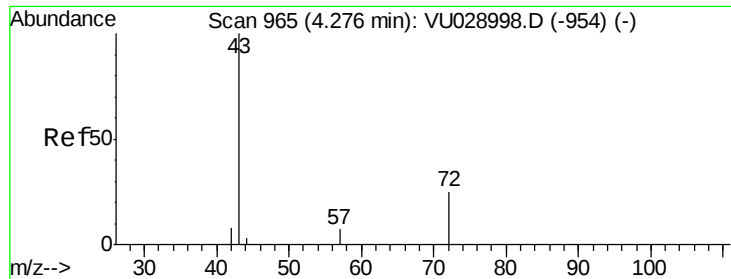
Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 268.864 ug/l

RT: 4.26 min Scan# 960

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 314581

Ion Ratio Lower Upper

43 100

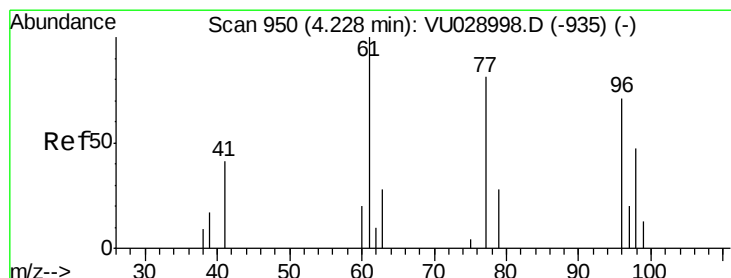
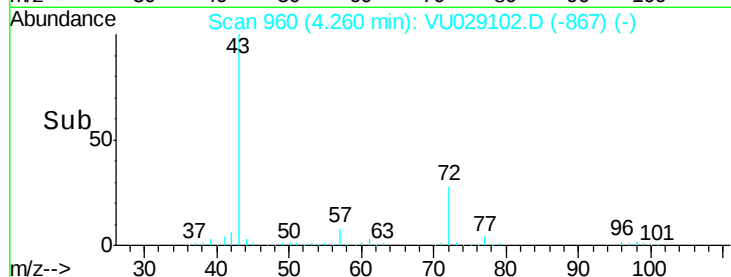
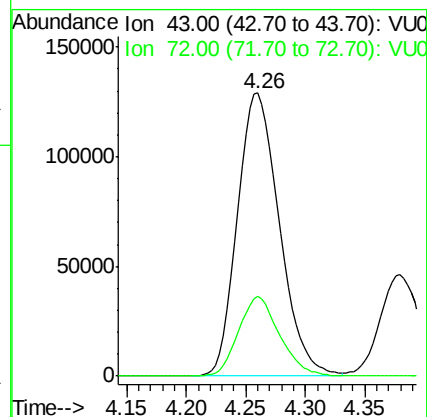
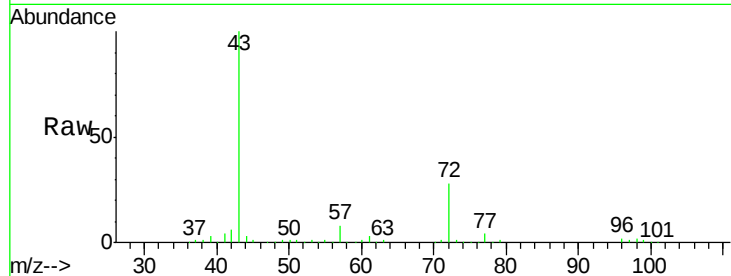
72 28.0 22.6 33.8

Manual Integrations

APPROVED

MMDadoda

1/10/2019 9:38:40 AM



#26

2,2-Dichloropropane

Concen: 46.484 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU029102.D

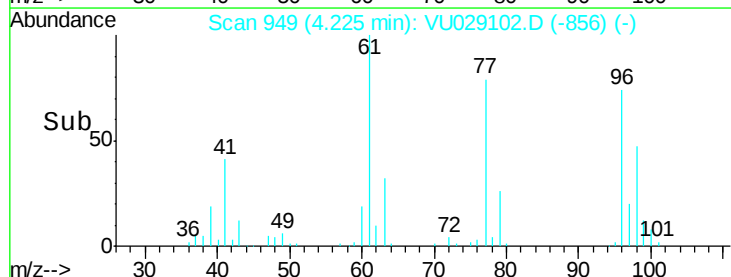
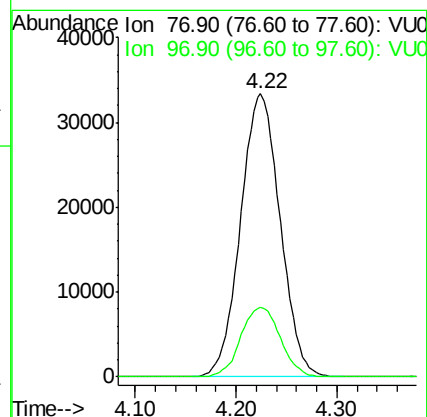
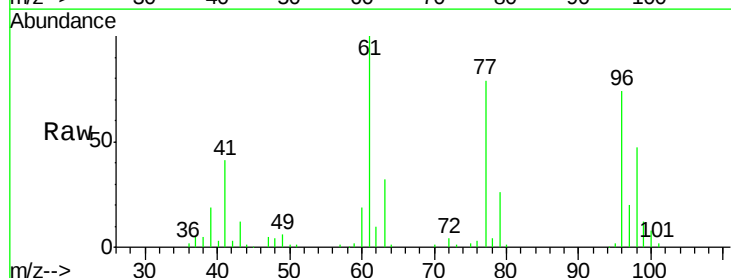
Acq: 09 Jan 2019 20:16

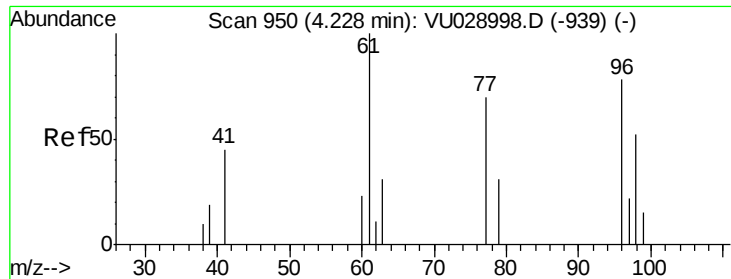
Tgt Ion: 77 Resp: 90712

Ion Ratio Lower Upper

77 100

97 24.5 12.0 36.1





#27

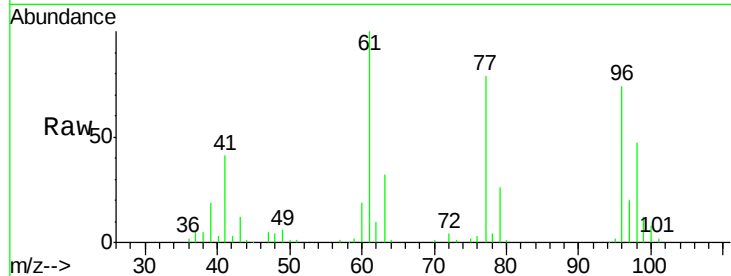
cis-1,2-Dichloroethene
 Concen: 50.597 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

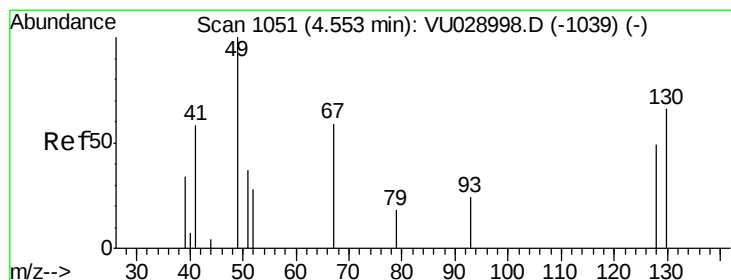
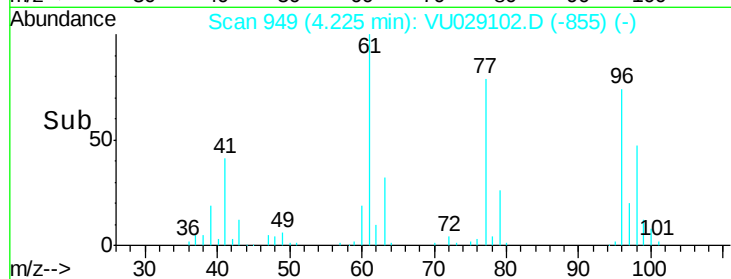
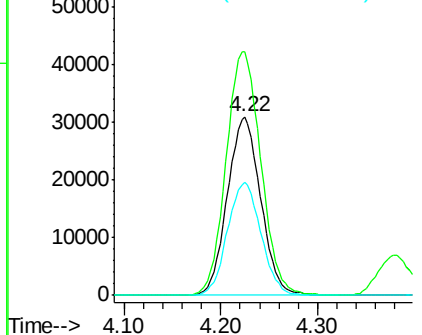
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	285.6
98	63.7	0.0	130.2

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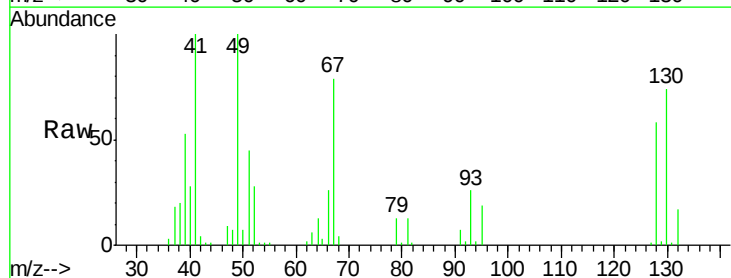
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



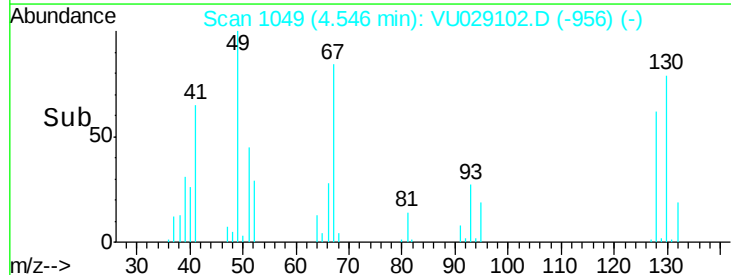
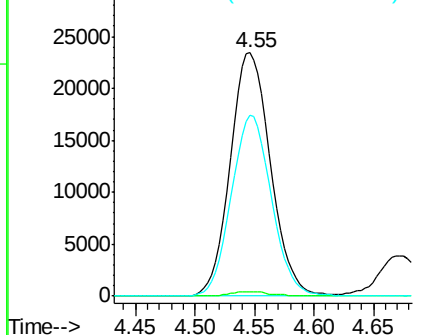
#28

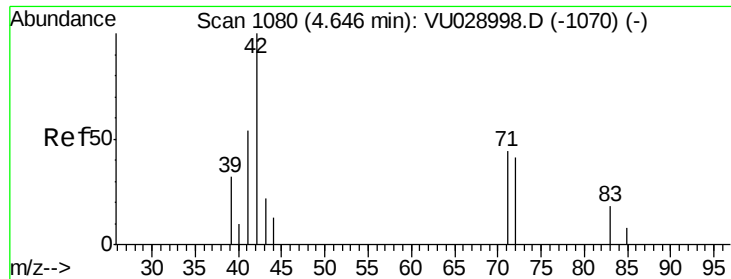
Bromochloromethane
 Concen: 53.351 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	73.9	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





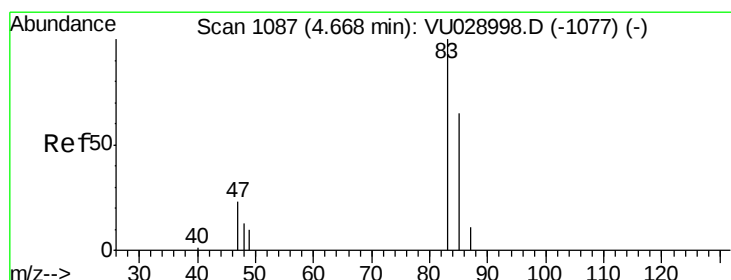
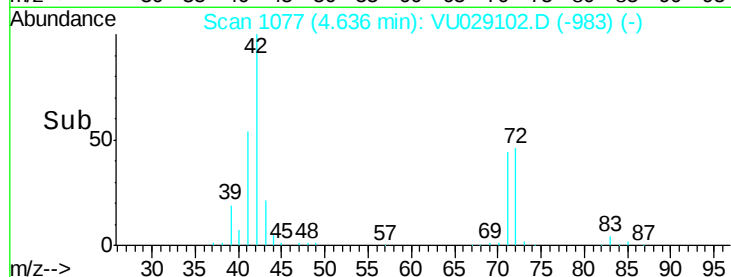
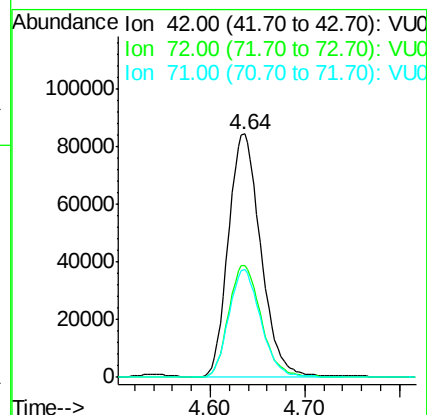
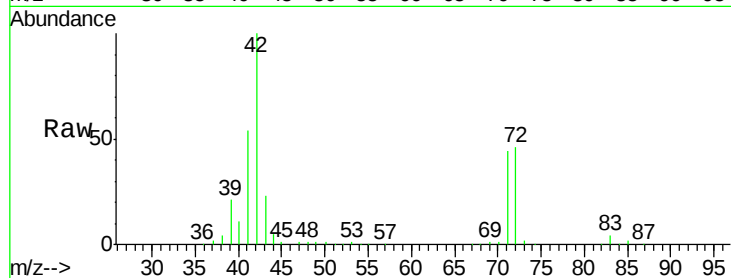
#29
Tetrahydrofuran
Concen: 282.871 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	38.3	57.5
71	43.9	36.1	54.1

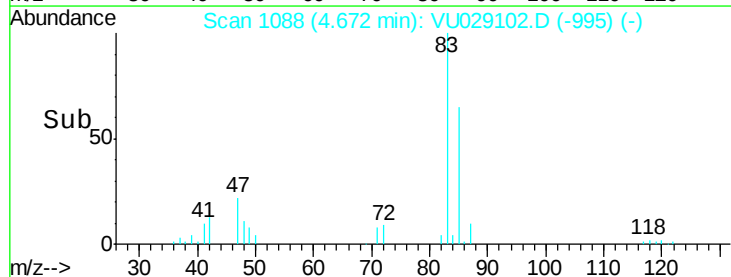
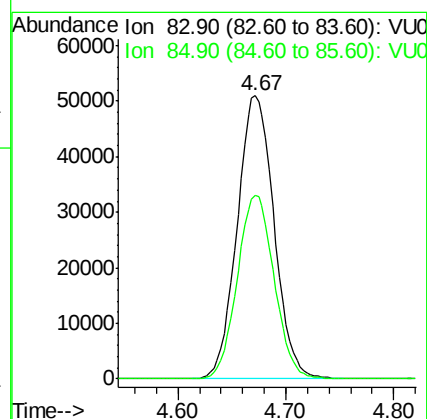
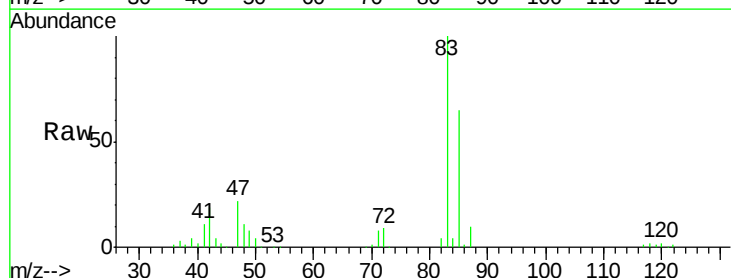
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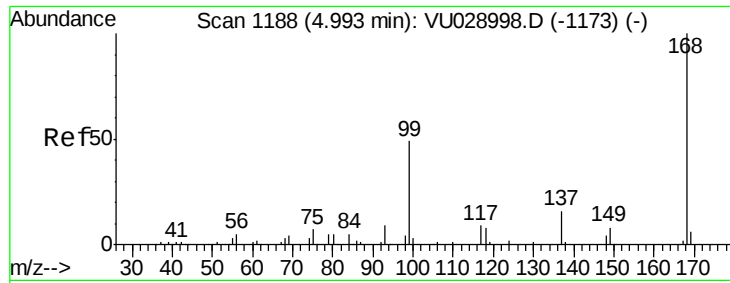
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#30
Chloroform
Concen: 52.753 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.4	80.0





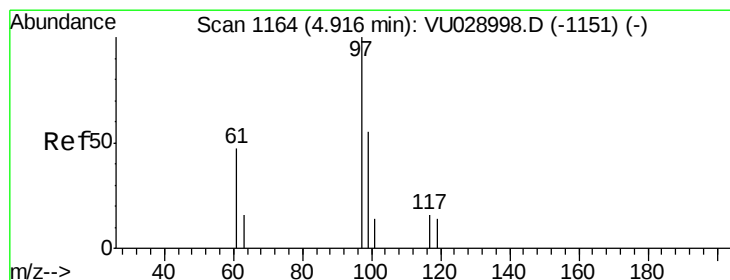
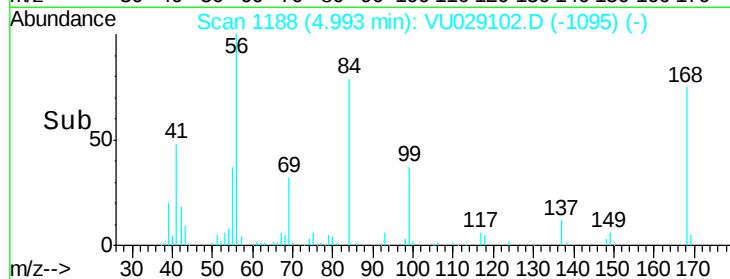
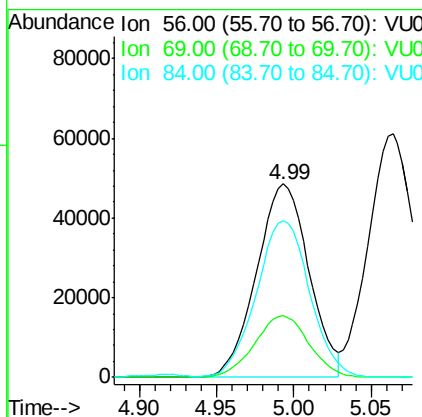
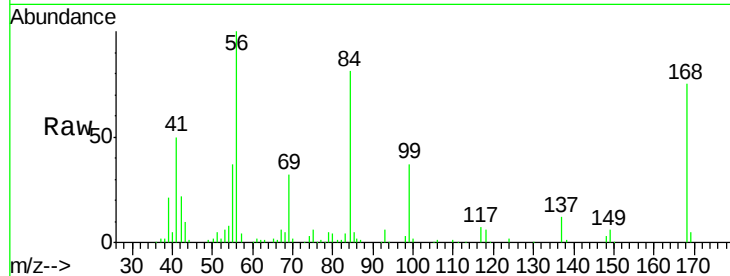
#31
Cyclohexane
Concen: 50.362 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.8	26.7	40.1
84	80.2	65.7	98.5

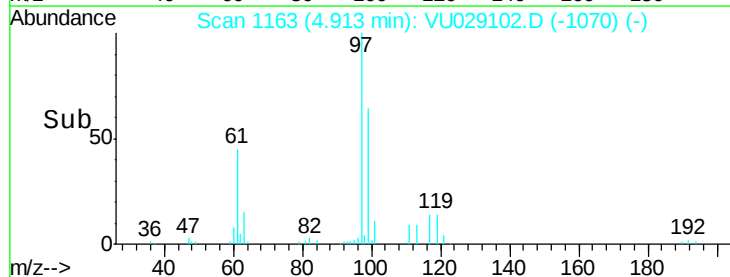
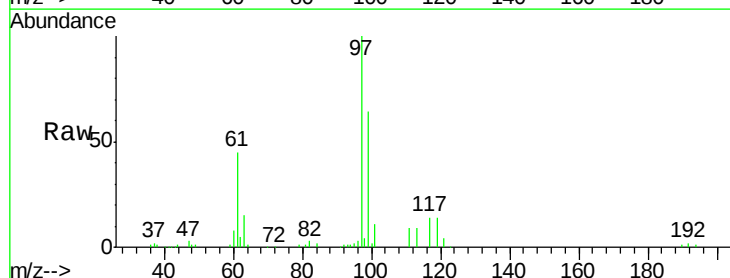
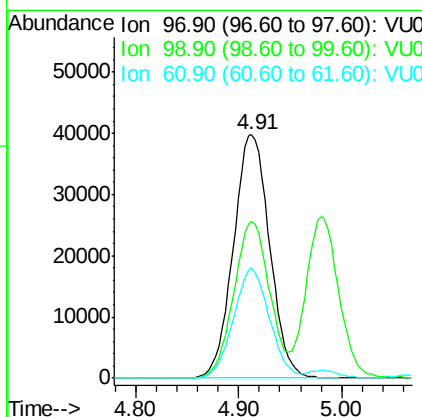
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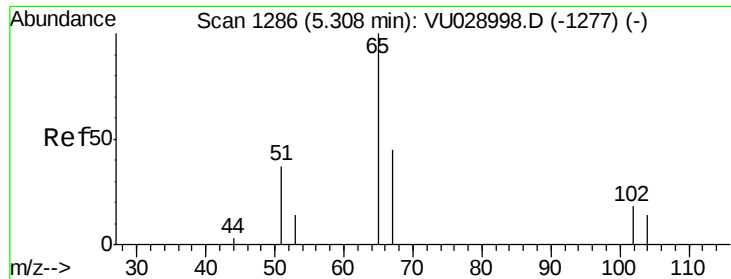
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#32
1,1,1-Trichloroethane
Concen: 51.076 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.4
61	44.8	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 53.098 ug/l

RT: 5.30 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 73017

Ion Ratio Lower Upper

65 100

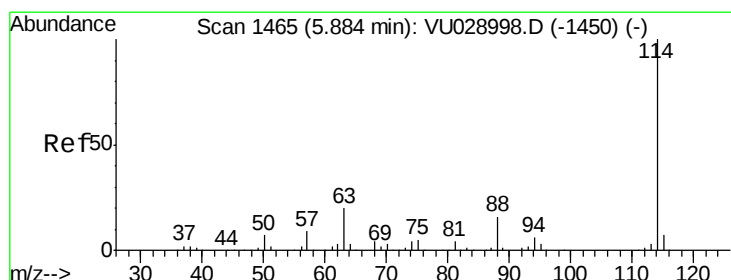
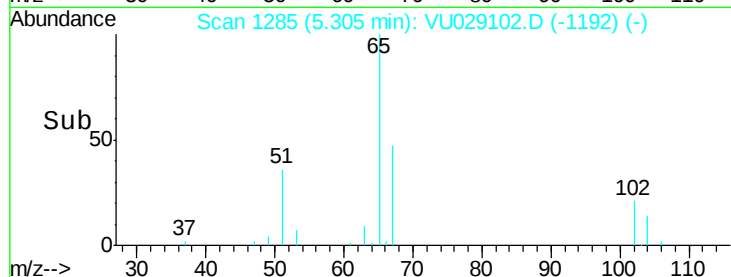
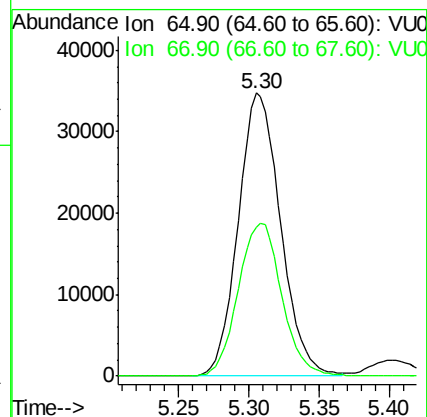
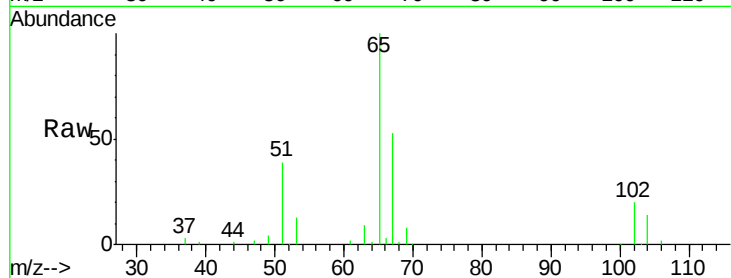
67 55.6 0.0 111.0

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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: VU029102.D

Acq: 09 Jan 2019 20:16

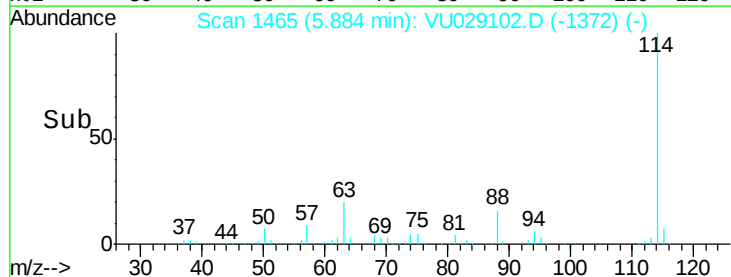
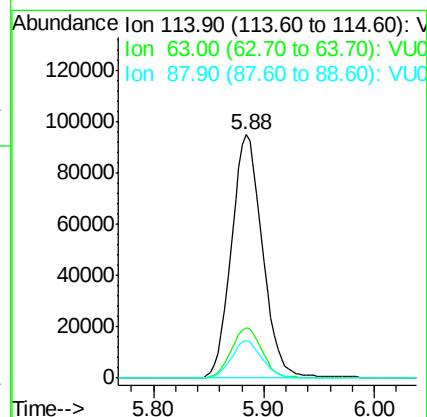
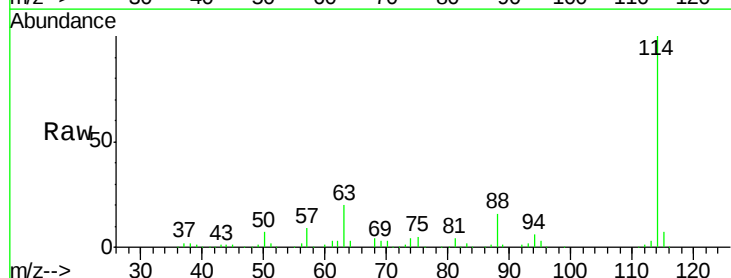
Tgt Ion: 114 Resp: 185444

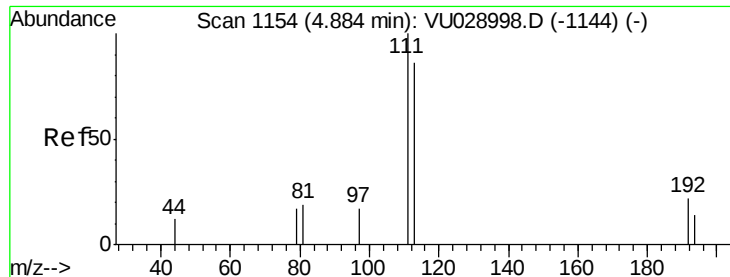
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.818 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 61089

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.2

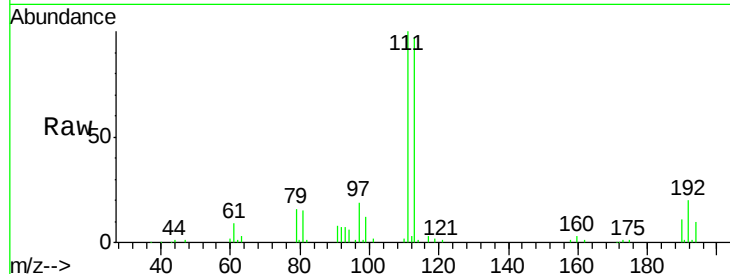
192 20.7 16.8 25.2

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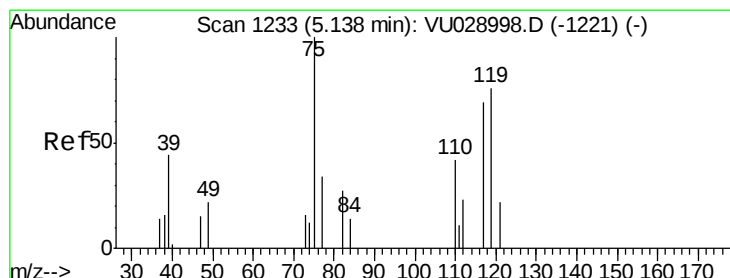
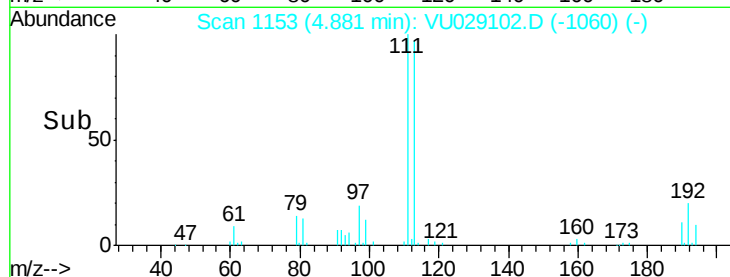
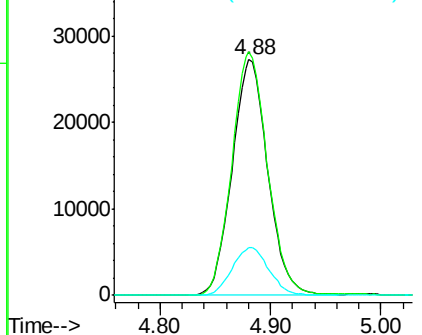
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.027 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

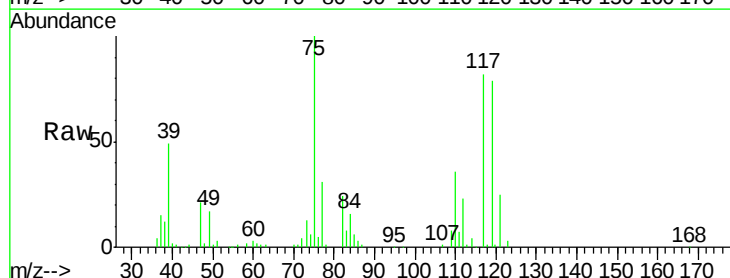
Tgt Ion: 75 Resp: 89022

Ion Ratio Lower Upper

75 100

110 36.0 18.4 55.4

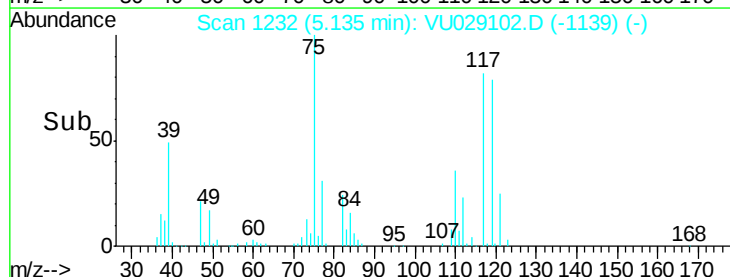
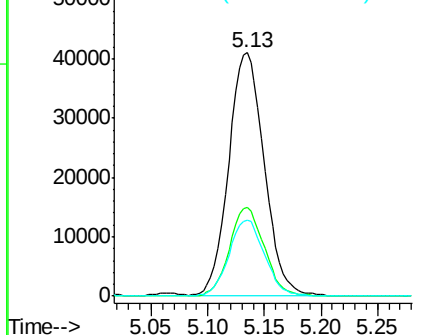
77 31.6 25.1 37.7

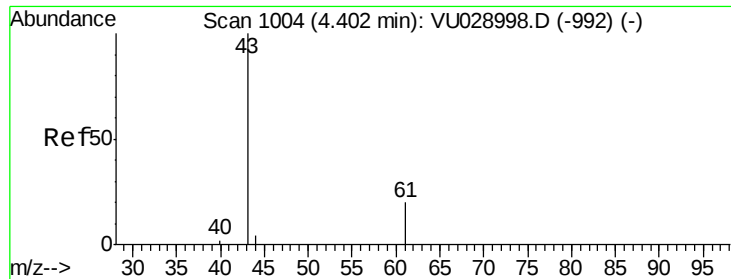


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





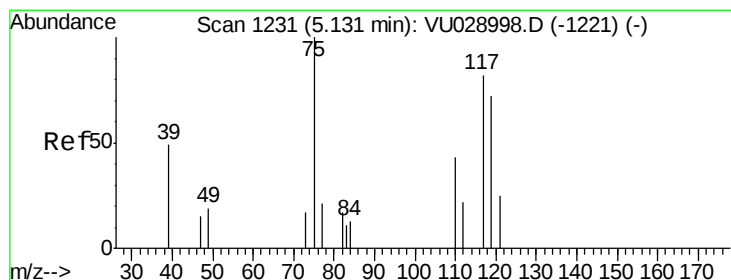
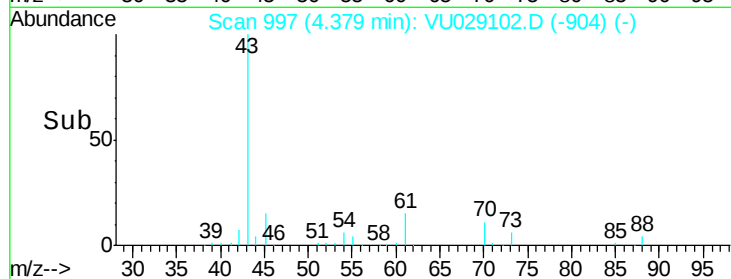
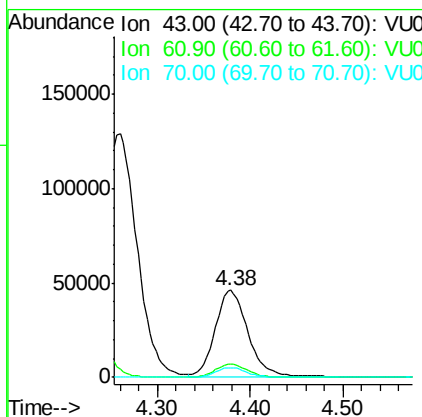
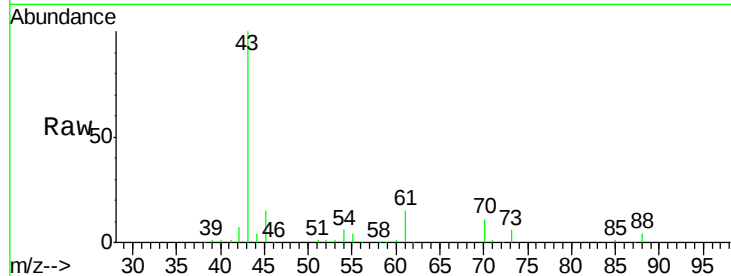
#37
Ethyl Acetate
Concen: 54.919 ug/l
RT: 4.38 min Scan# 997
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.6	18.8
70	10.9	9.3	13.9

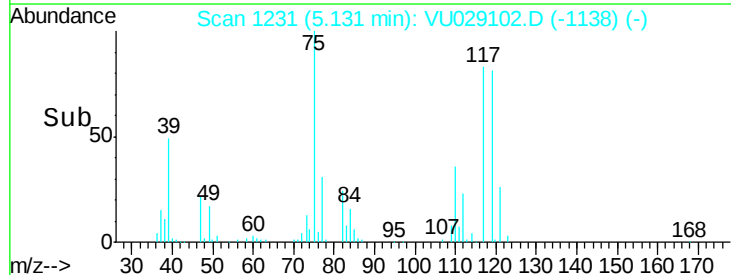
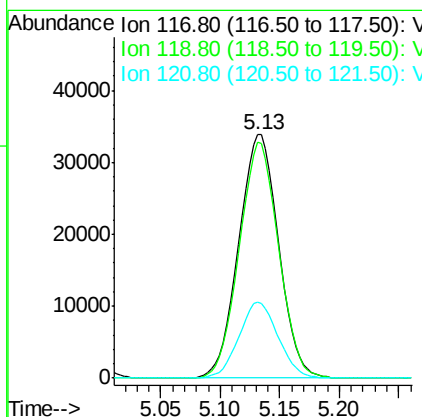
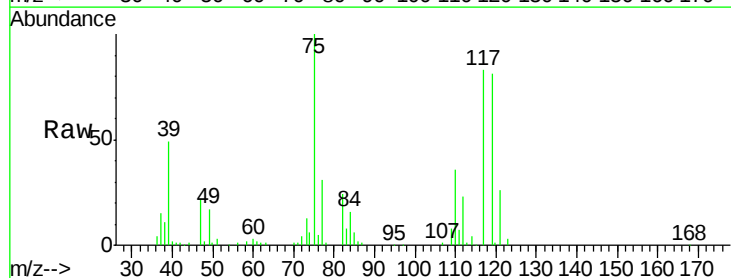
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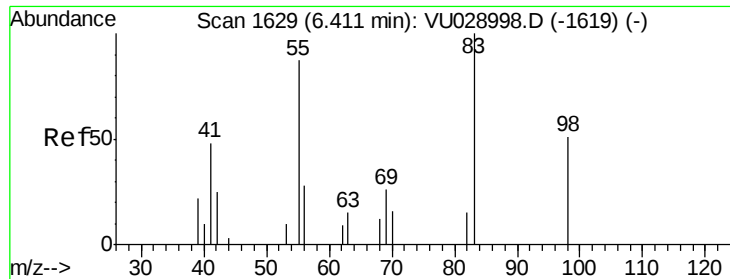
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#38
Carbon Tetrachloride
Concen: 50.717 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.6	111.8
121	31.4	25.0	37.6





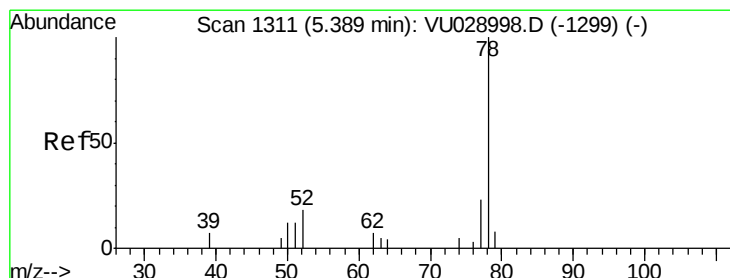
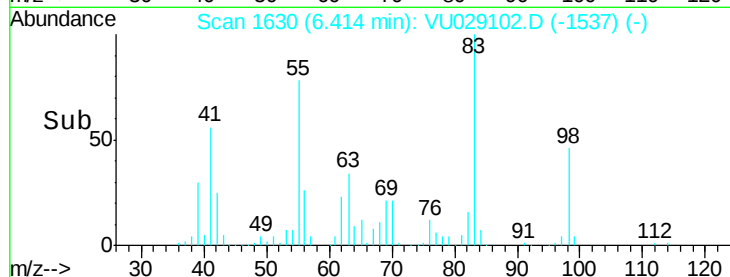
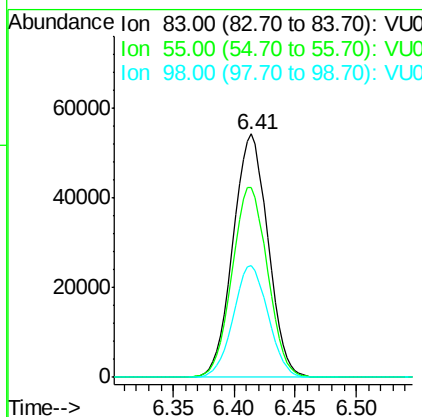
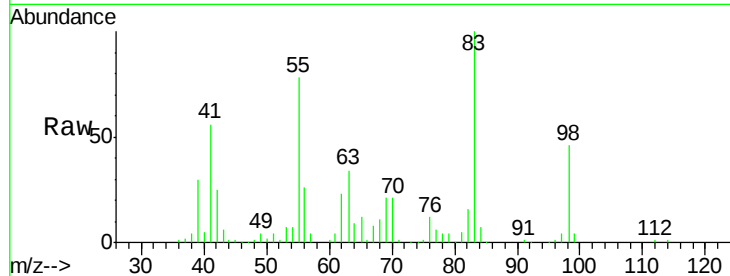
#39
Methvlcvclohexane
Concen: 47.349 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	107897
Ion Ratio	Lower	Upper	
83	100		
55	78.0	62.4	93.6
98	45.9	36.2	54.2

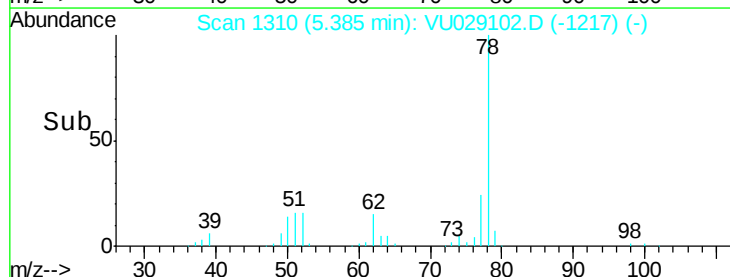
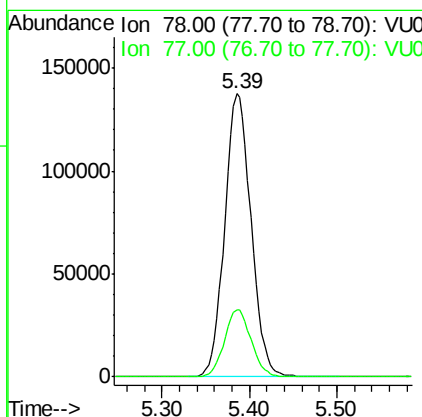
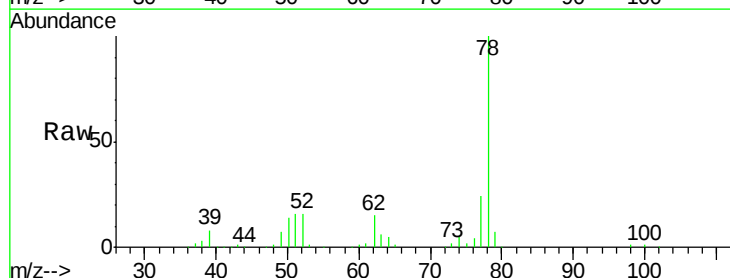
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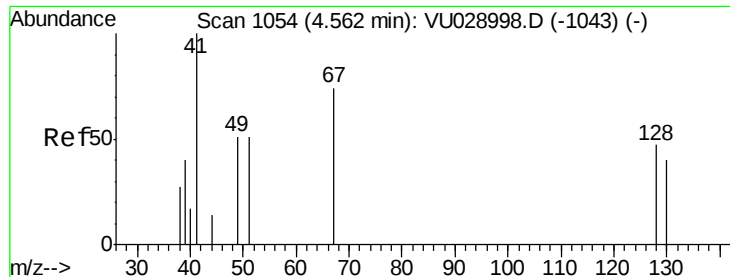
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#40
Benzene
Concen: 49.771 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	78.00	Resp	287767
Ion Ratio	Lower	Upper	
78	100		
77	23.8	18.9	28.3





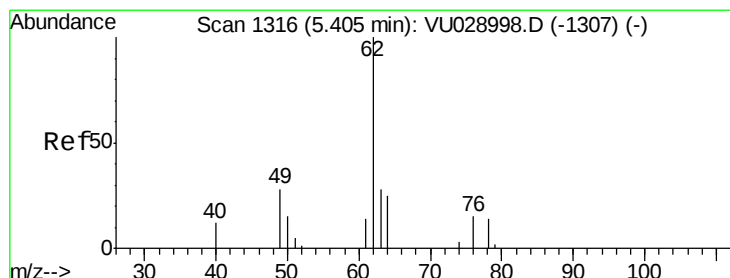
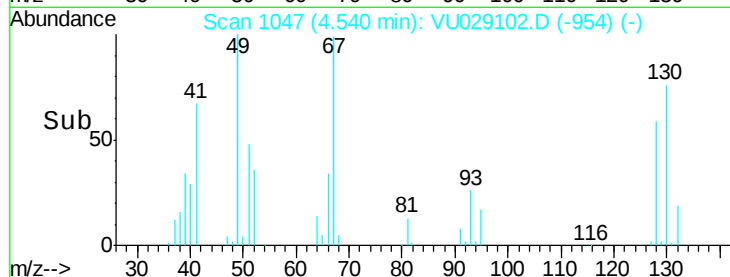
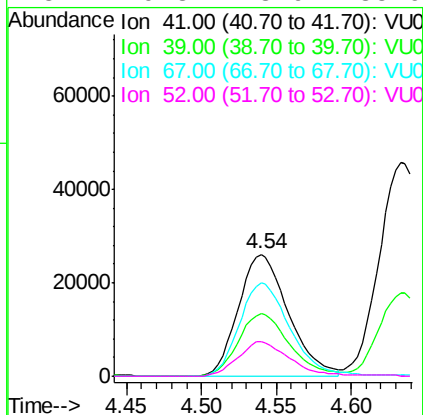
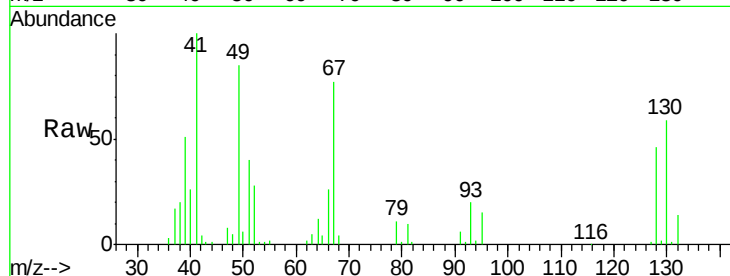
#41
Methacrylonitrile
Concen: 55.759 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	60727
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.3	63.5
67	78.0	64.4	96.6
52	29.3	23.9	35.9

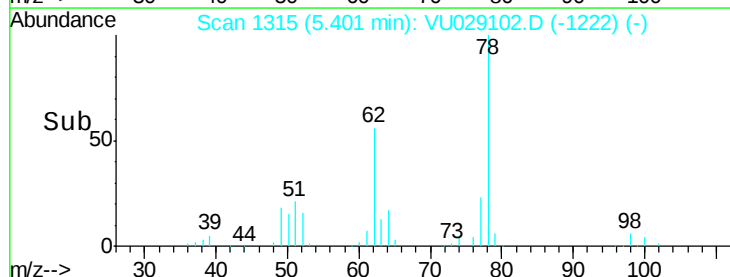
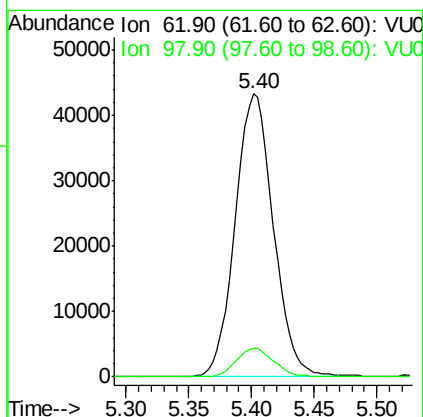
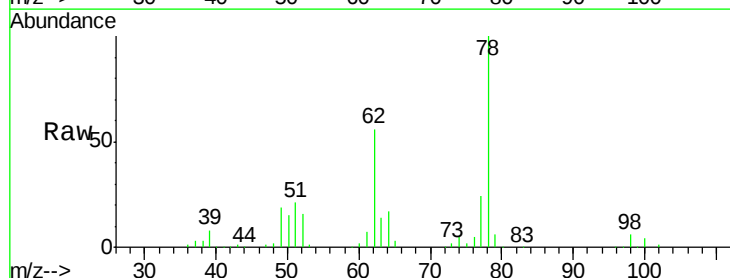
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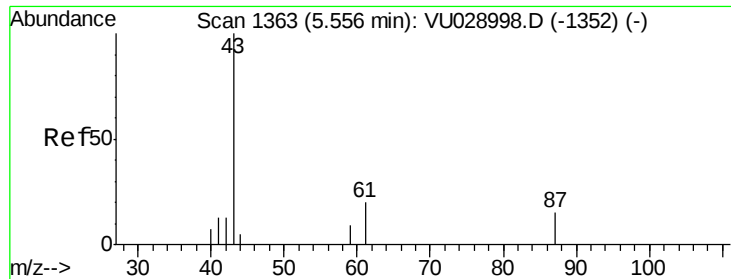
MMDadoda
1/10/2019 9:38:40 AM



#42
1,2-Dichloroethane
Concen: 52.848 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:	62	Resp:	91818
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 54.229 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

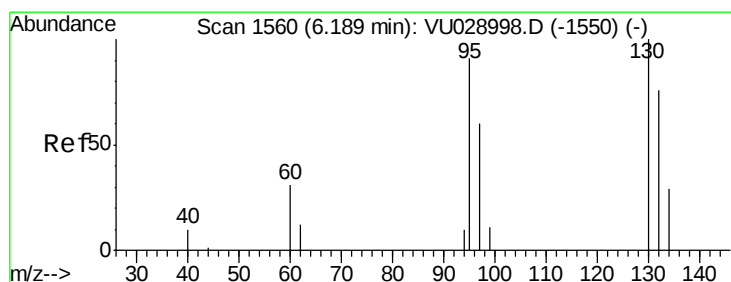
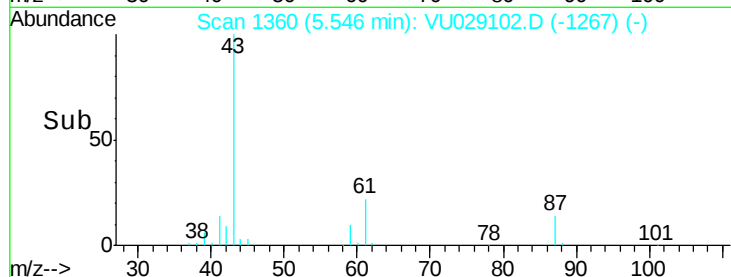
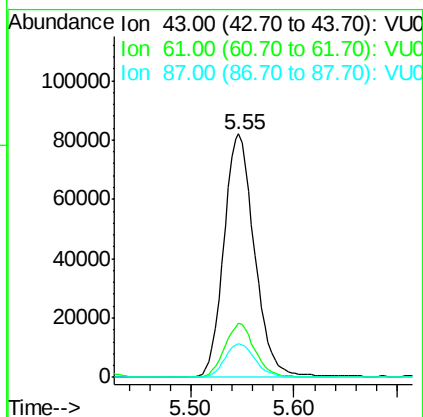
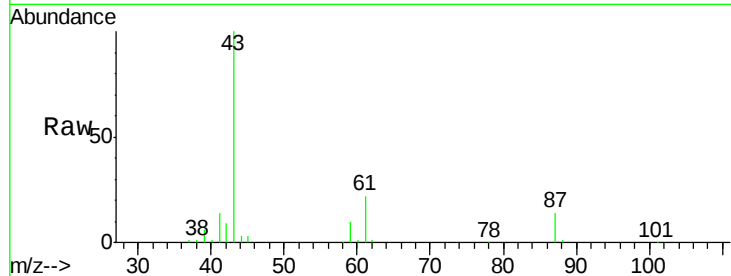
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	169254
Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.8	26.6
87	13.7	11.3	16.9

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#44

Trichloroethene

Concen: 46.833 ug/l

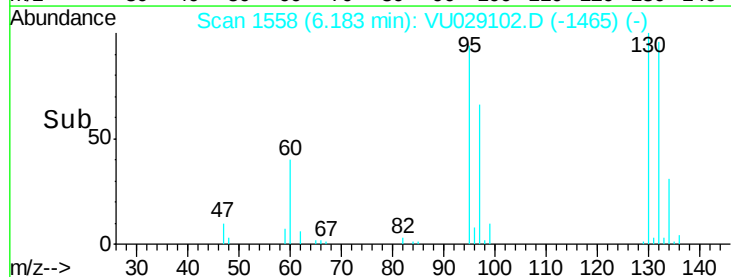
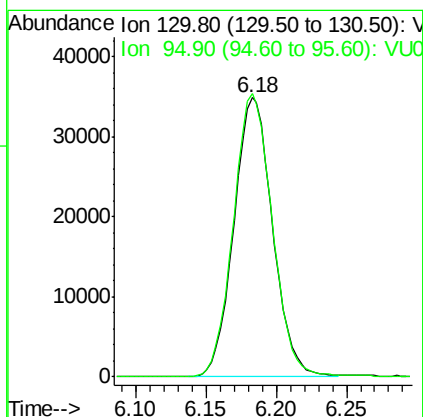
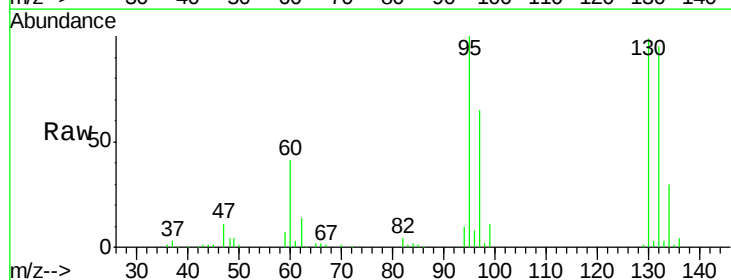
RT: 6.18 min Scan# 1558

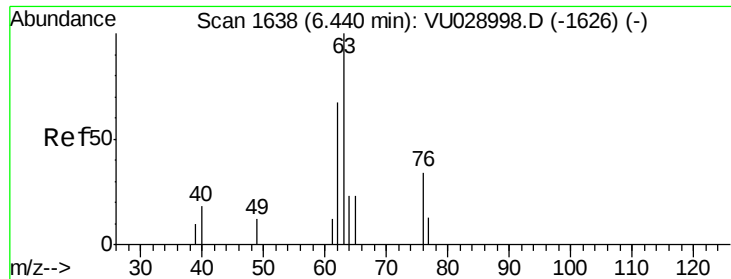
Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion:	130	Resp:	67093
Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	205.0





#45

1,2-Dichloropropane

Concen: 51.669 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 78892

Ion Ratio Lower Upper

63 100

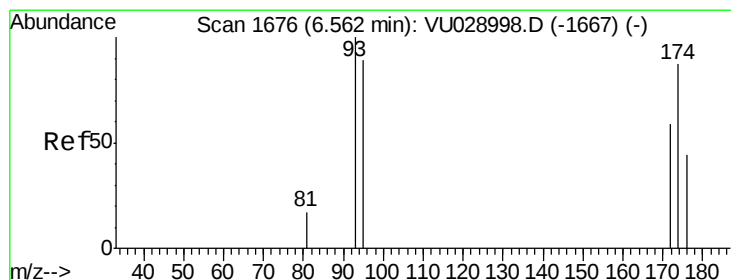
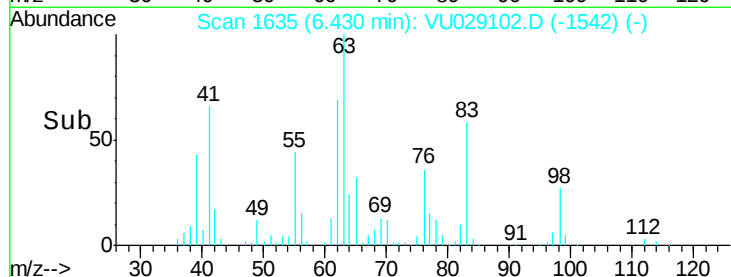
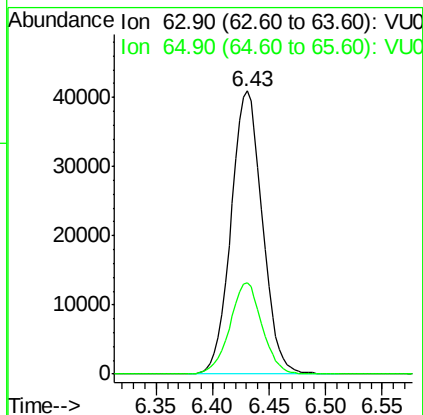
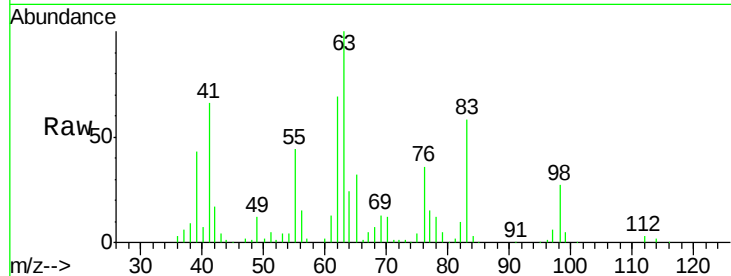
65 32.3 25.1 37.7

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#46

Dibromomethane

Concen: 50.583 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

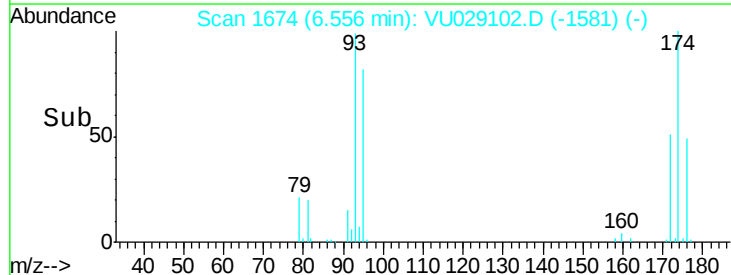
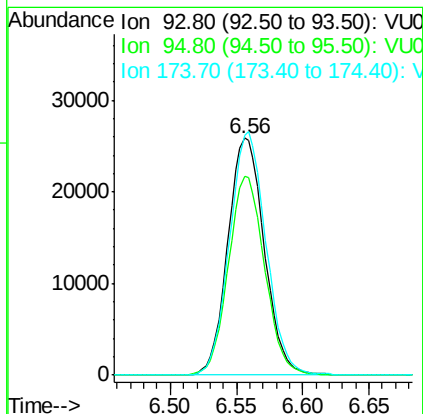
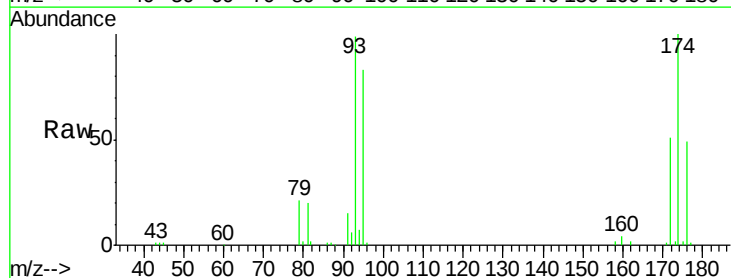
Tgt Ion: 93 Resp: 49373

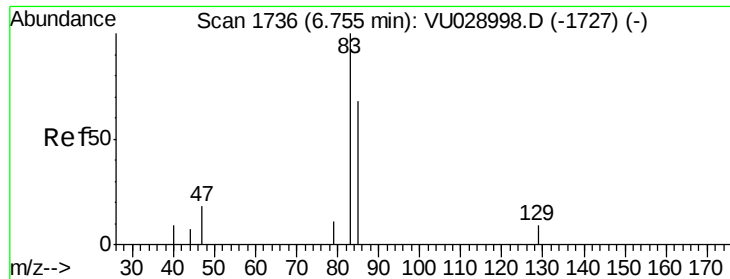
Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

174 102.6 82.6 123.8





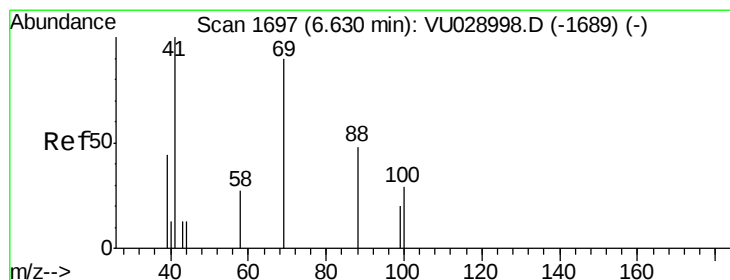
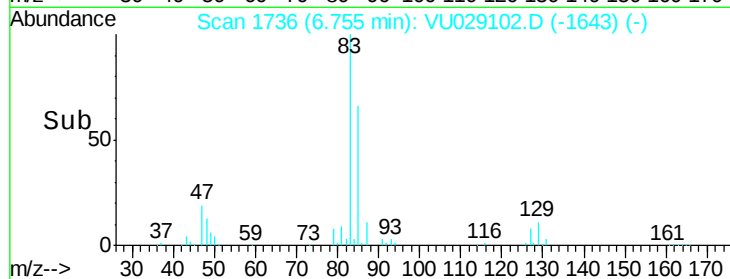
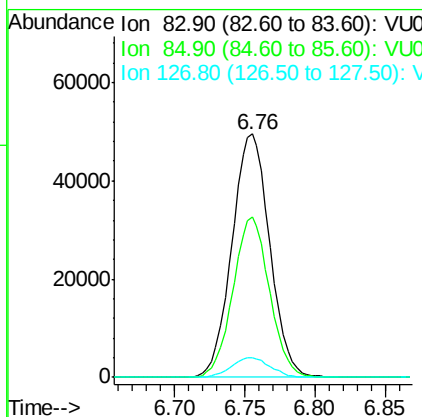
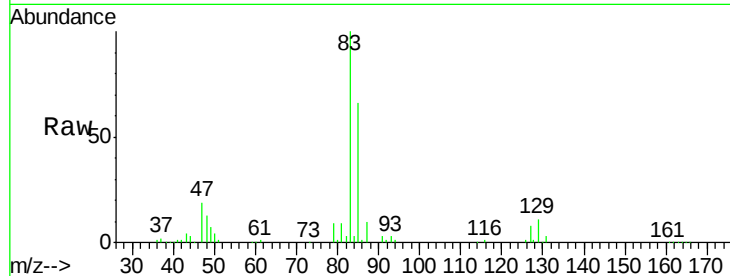
#47
Bromodichloromethane
Concen: 51.537 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.2
127	8.2	7.0	10.4

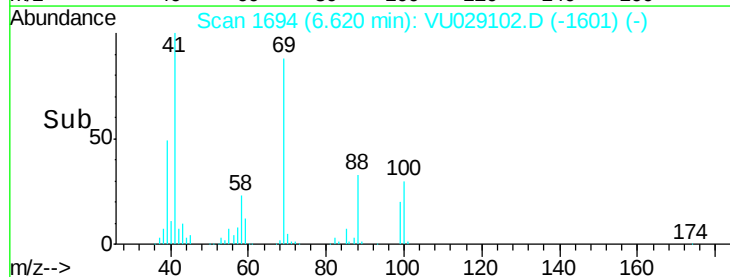
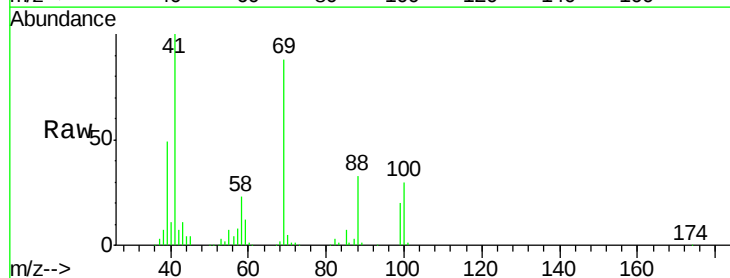
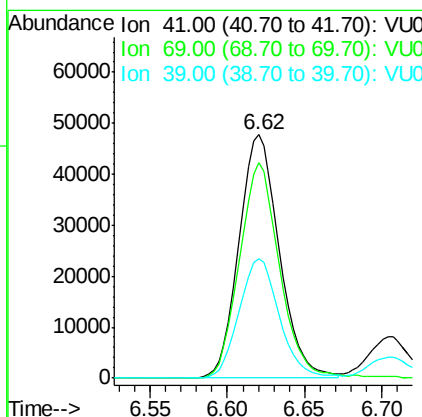
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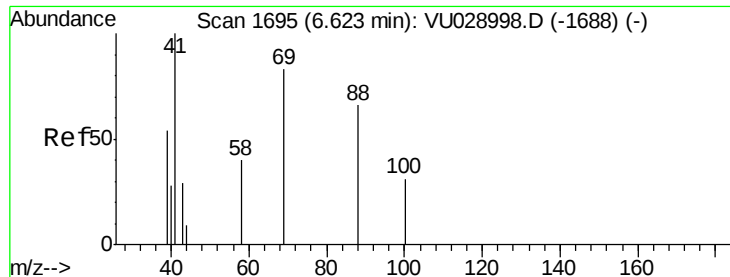
MMDadoda
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#48
Methyl methacrylate
Concen: 56.981 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.2	73.6	110.4
39	49.1	39.6	59.4





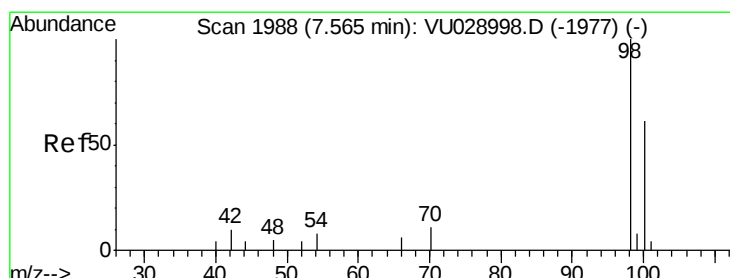
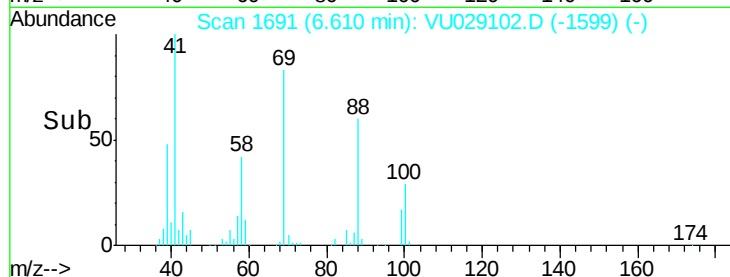
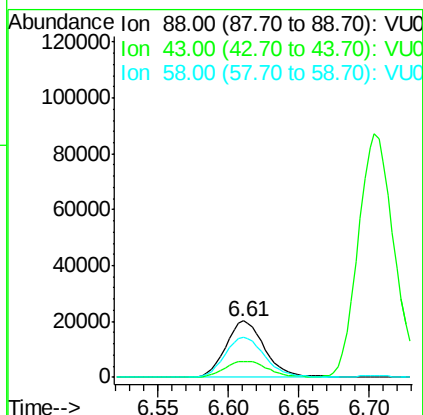
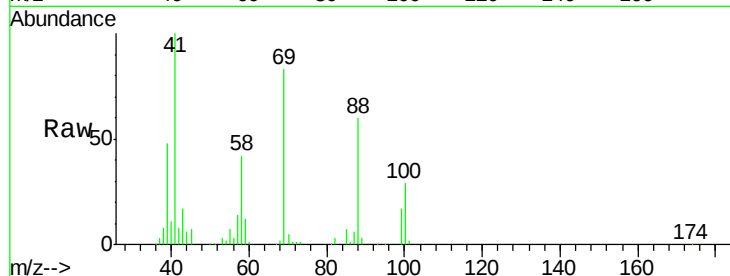
#49
1,4-Dioxane
Concen: 1081.394 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.0	34.4
58	72.7	57.9	86.9

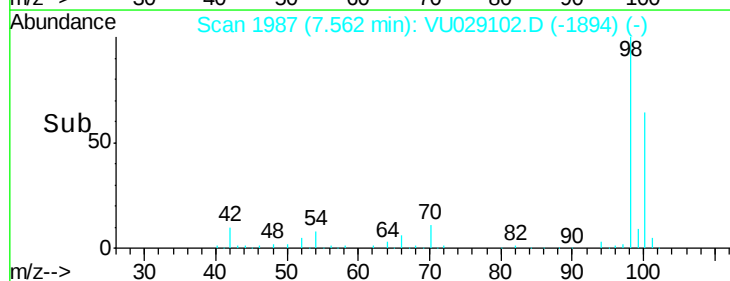
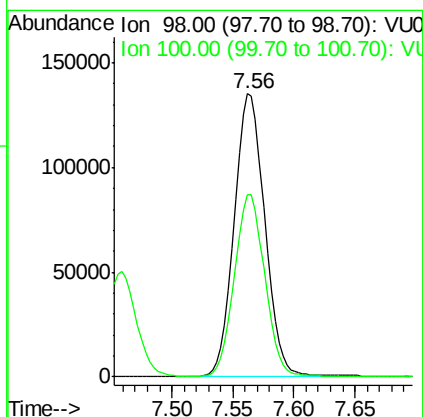
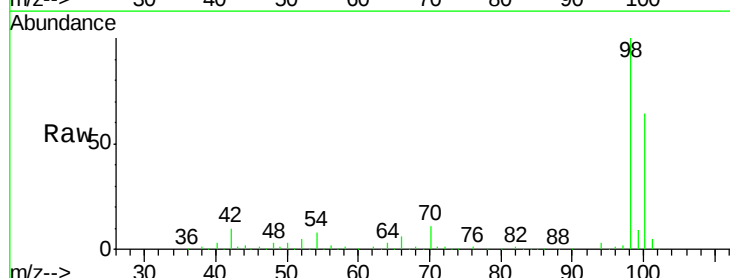
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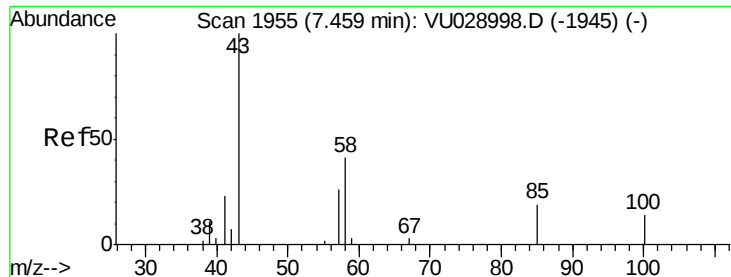
MMDadoda
1/10/2019 9:38:40 AM



#50
Toluene-d8
Concen: 49.770 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 278.303 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 591140

Ion Ratio Lower Upper

43 100

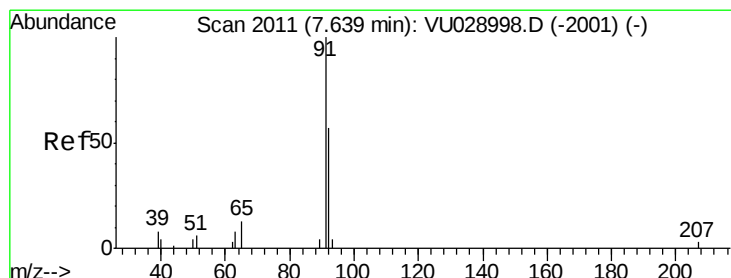
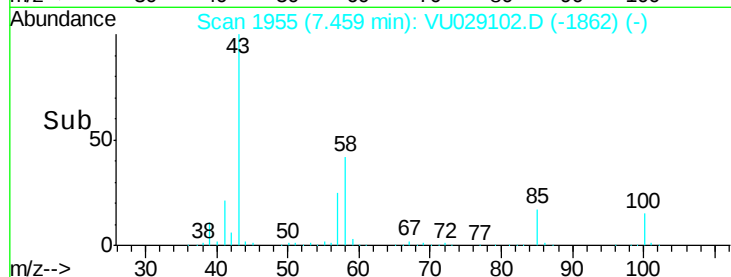
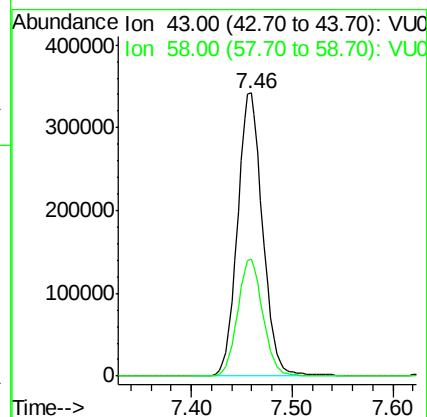
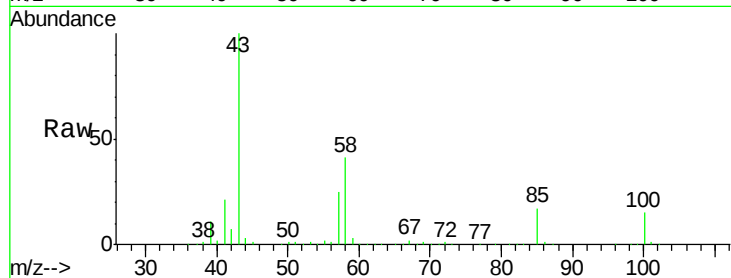
58 41.6 33.9 50.9

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#52

Toluene

Concen: 49.212 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU029102.D

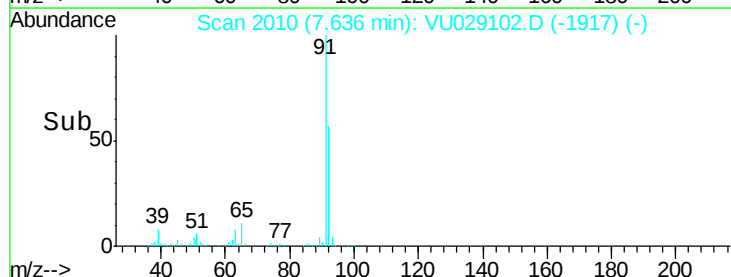
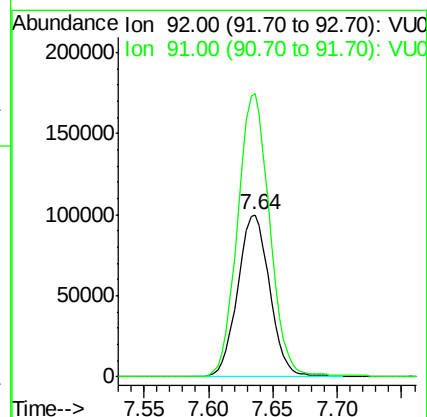
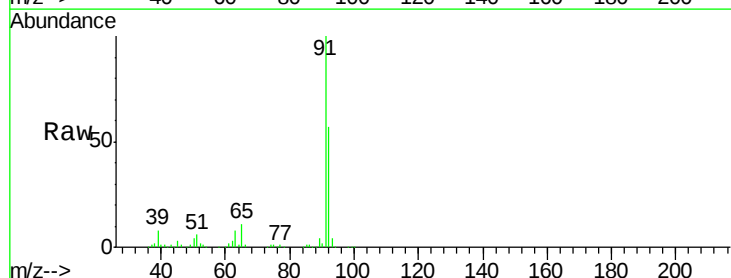
Acq: 09 Jan 2019 20:16

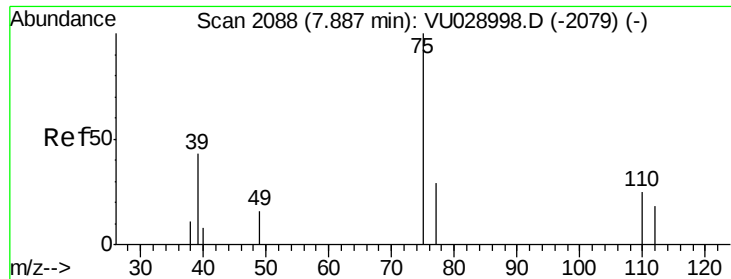
Tgt Ion: 92 Resp: 173218

Ion Ratio Lower Upper

92 100

91 176.2 139.8 209.8





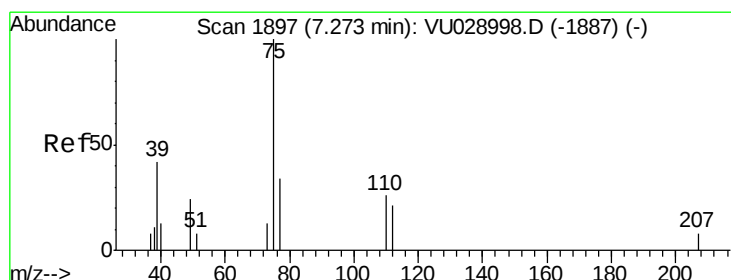
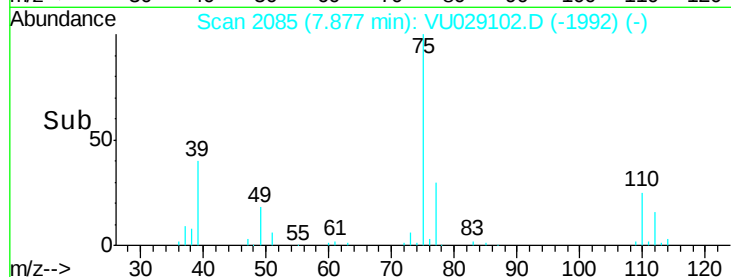
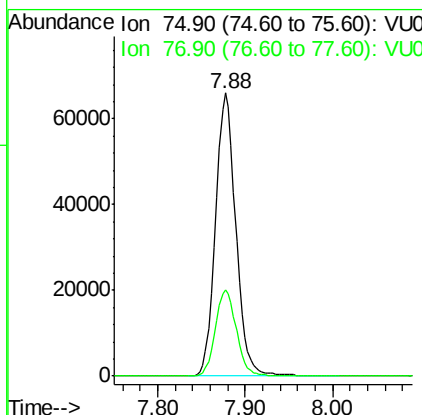
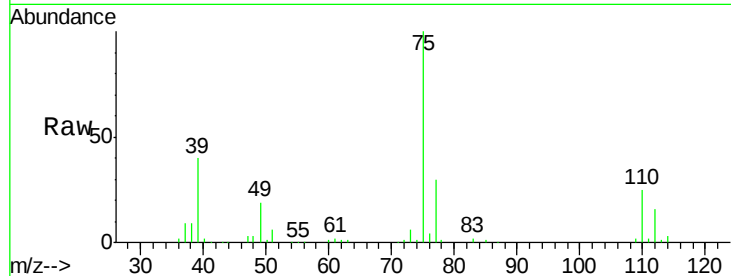
#53
t-1,3-Dichloropropene
Concen: 49.469 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 106794
Ion Ratio Lower Upper
75 100
77 30.5 25.0 37.4

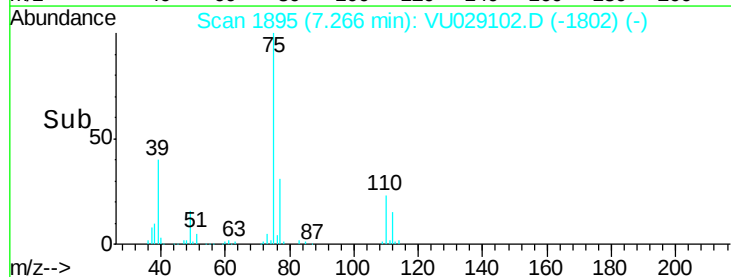
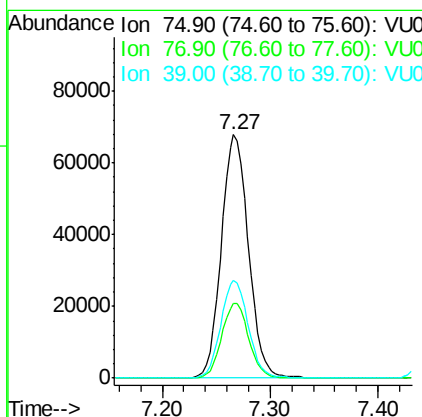
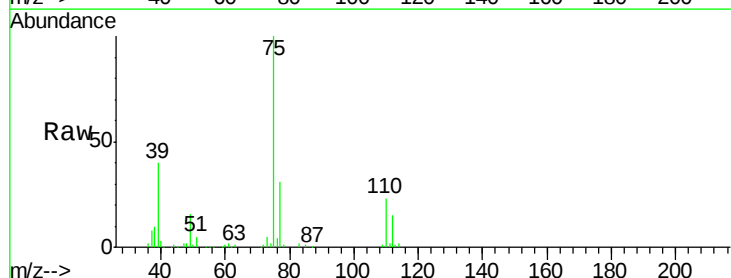
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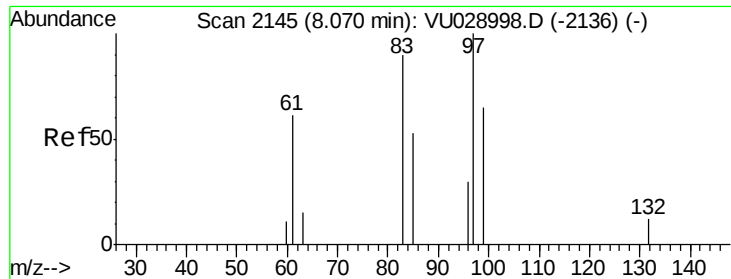
MMDadoda
1/10/2019 9:38:40 AM



#54
cis-1,3-Dichloropropene
Concen: 50.881 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 118692
Ion Ratio Lower Upper
75 100
77 30.6 25.0 37.6
39 40.3 32.2 48.4





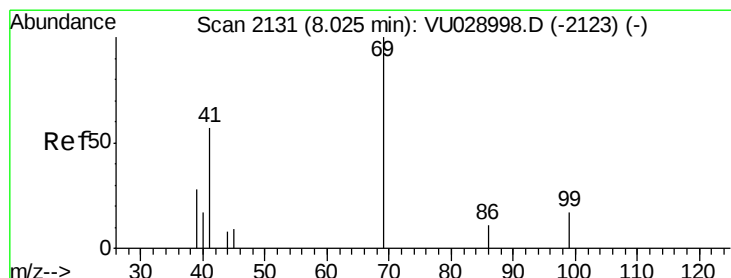
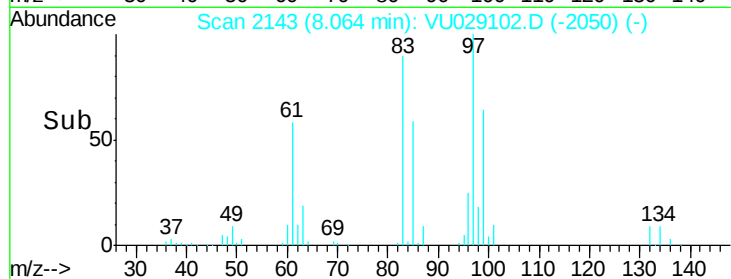
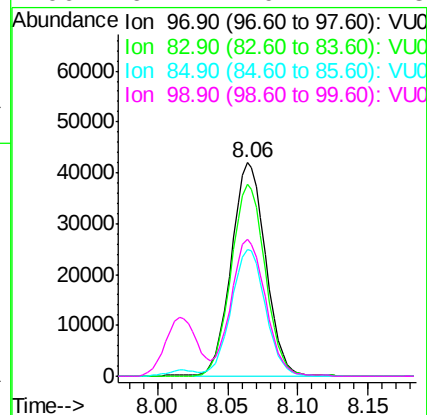
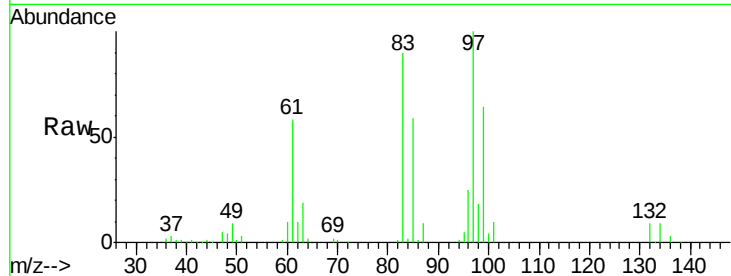
#55
 1,1,2-Trichloroethane
 Concen: 50.755 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		71570		
83	89.7	69.8	104.8		
85	59.4	47.3	70.9		
99	64.4	49.7	74.5		

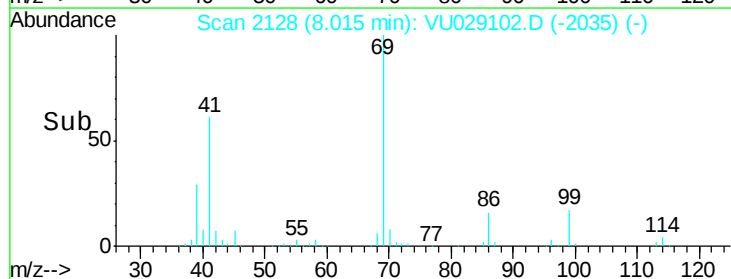
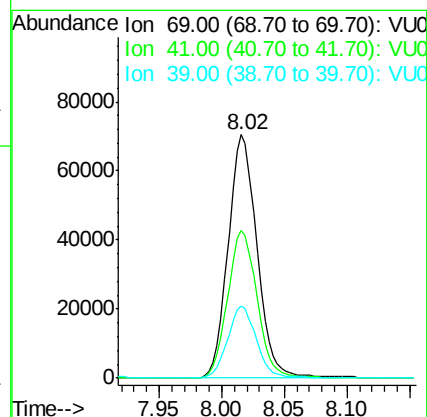
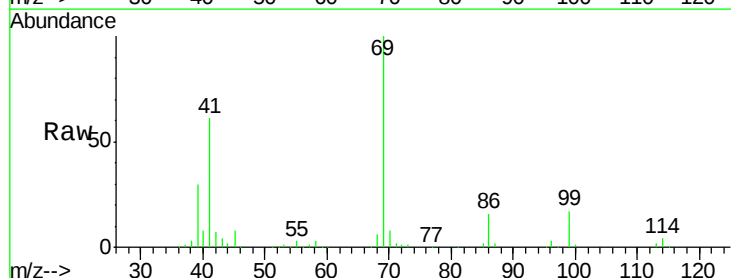
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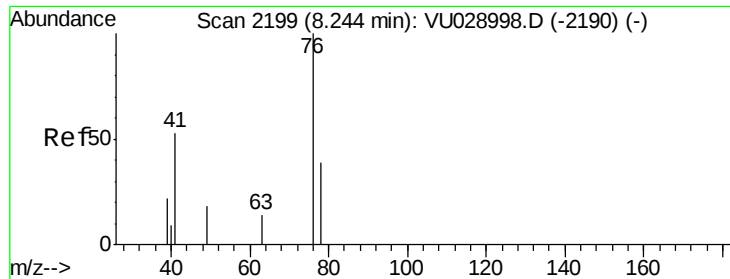
MMDadoda
 1/10/2019 9:38:40 AM



#56
 Ethyl methacrylate
 Concen: 51.981 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		112925		
41	61.9	47.5	71.3		
39	29.0	22.5	33.7		





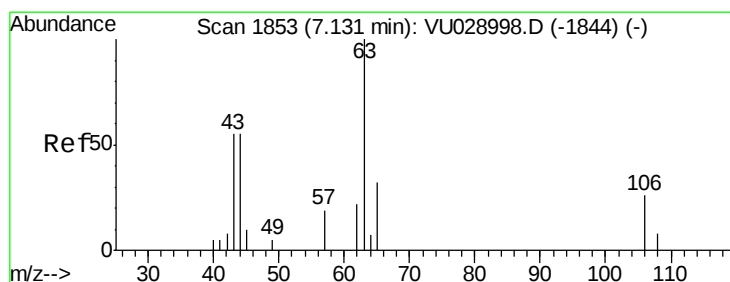
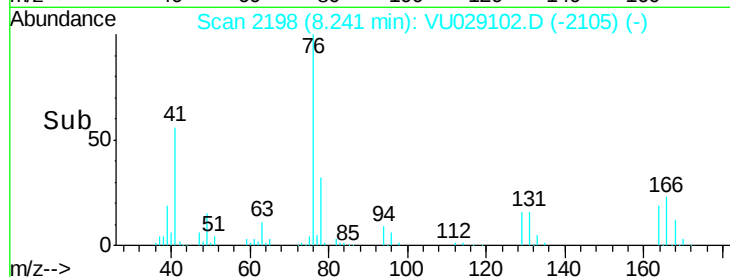
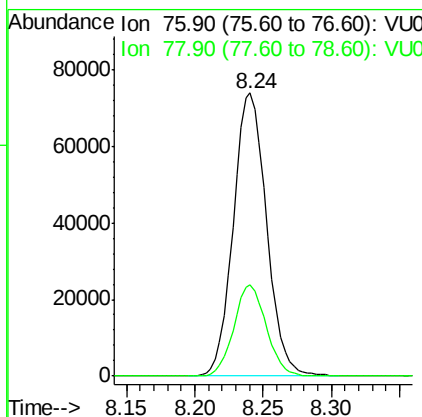
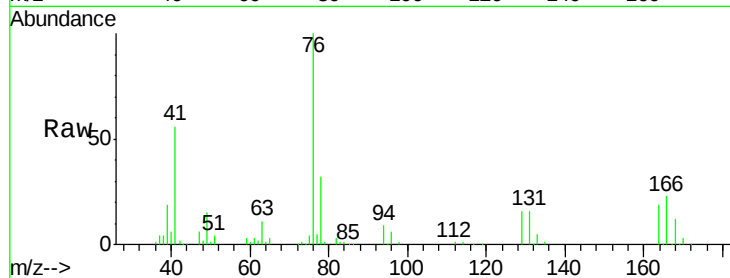
#57
 1,3-Dichloropropane
 Concen: 51.722 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.0	39.0

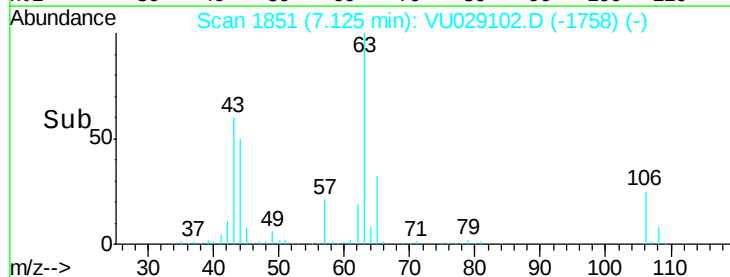
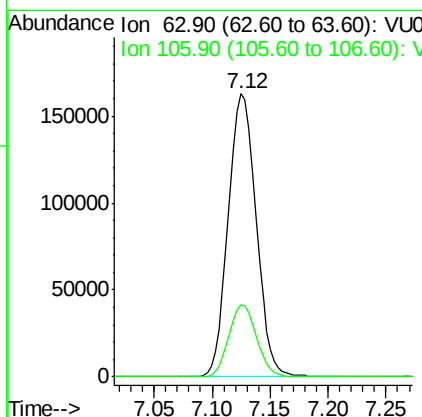
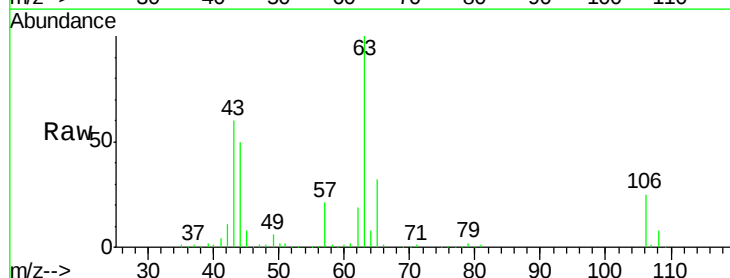
Manual Integrations
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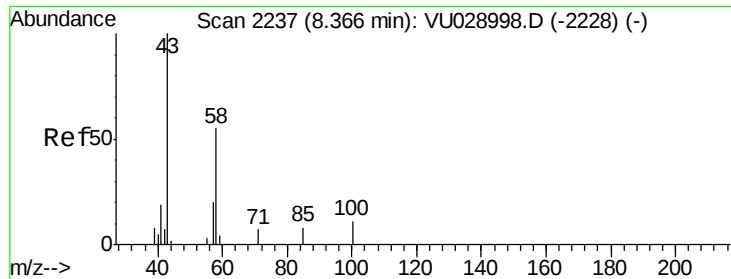
MMDadoda
 1/10/2019 9:38:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 284.731 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.6	31.0





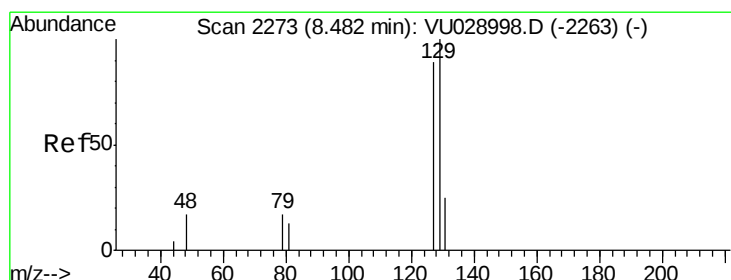
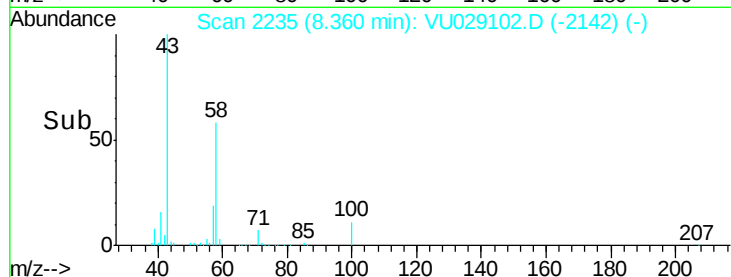
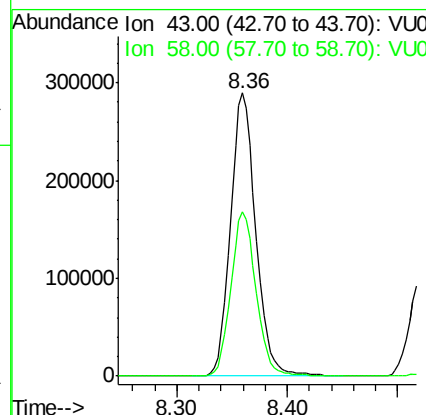
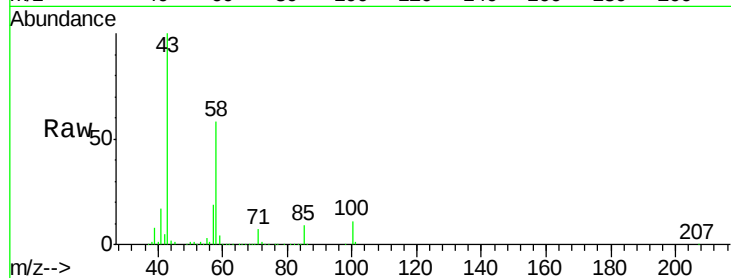
#59
2-Hexanone
Concen: 275.195 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 458842
Ion Ratio Lower Upper
43 100
58 58.1 29.8 89.4

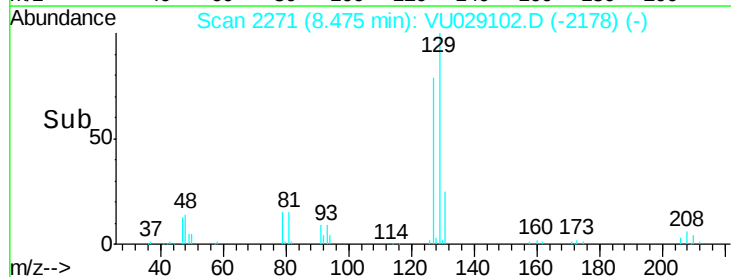
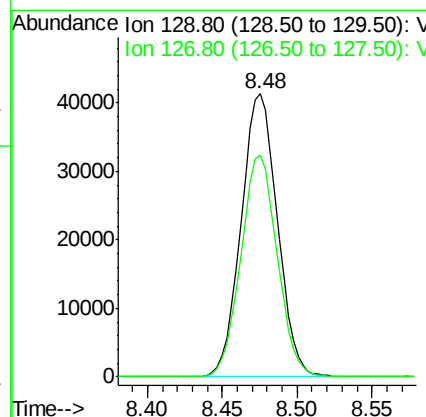
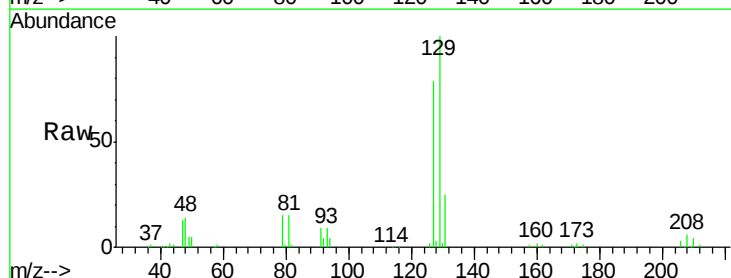
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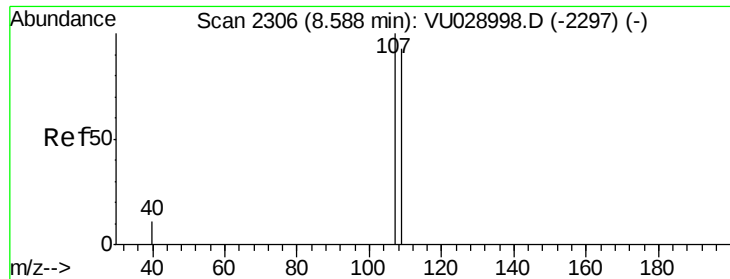
MMDadoda
1/10/2019 9:38:40 AM



#60
Dibromochloromethane
Concen: 50.058 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 129 Resp: 69932
Ion Ratio Lower Upper
129 100
127 78.4 38.0 114.0





#61

1,2-Dibromoethane

Concen: 51.233 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 78353

Ion Ratio Lower Upper

107 100

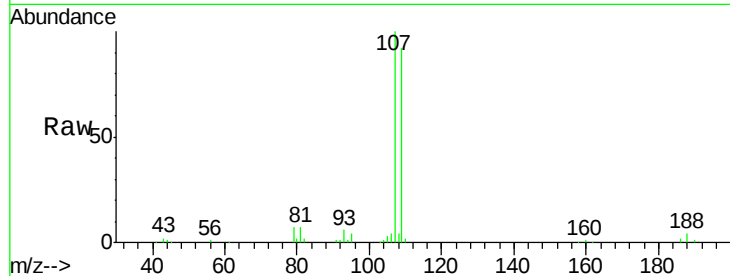
109 92.0 75.5 113.3

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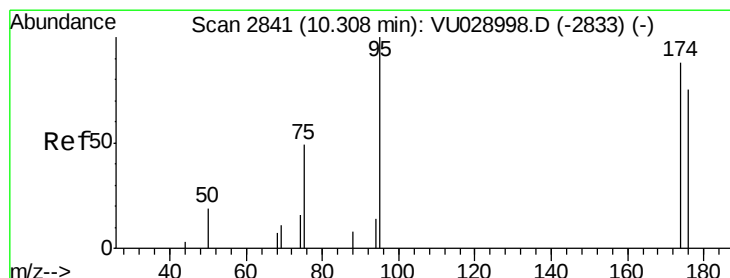
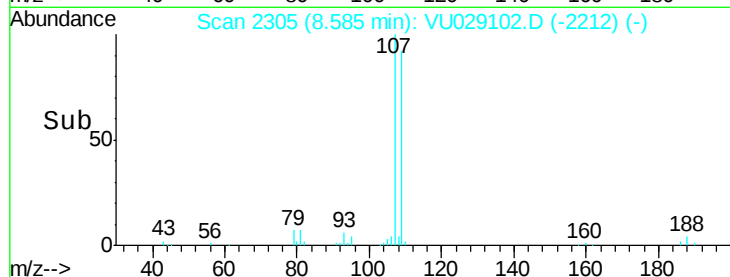
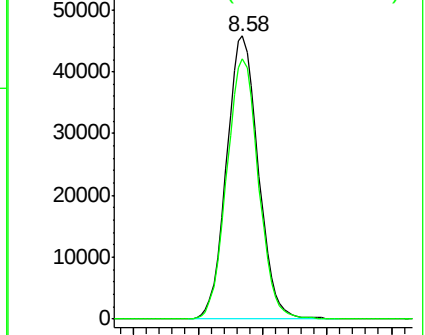
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.478 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

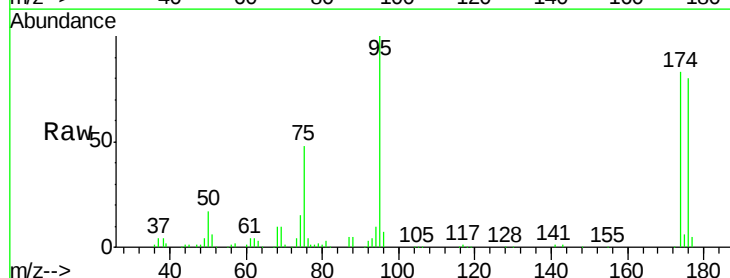
Tgt Ion: 95 Resp: 84387

Ion Ratio Lower Upper

95 100

174 82.8 0.0 170.6

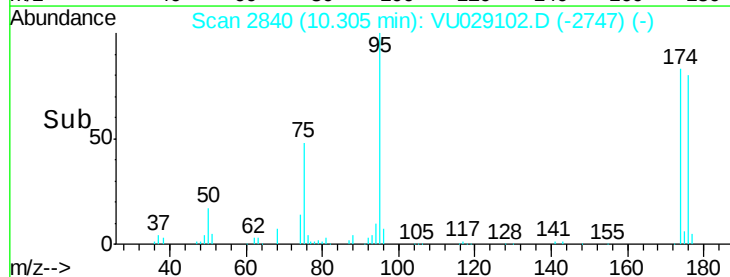
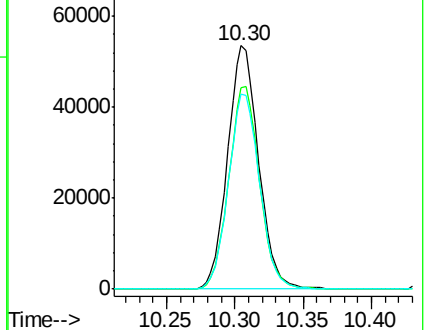
176 80.7 0.0 165.0

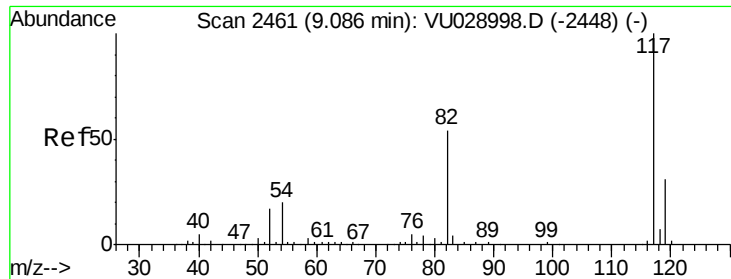


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





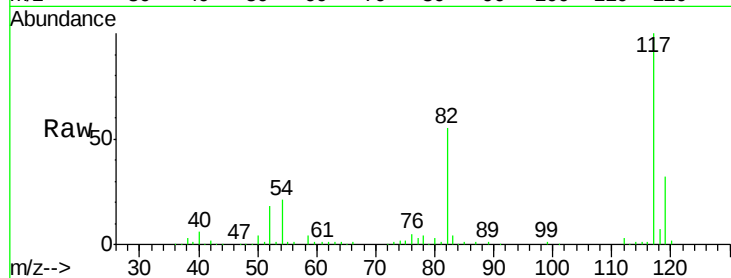
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

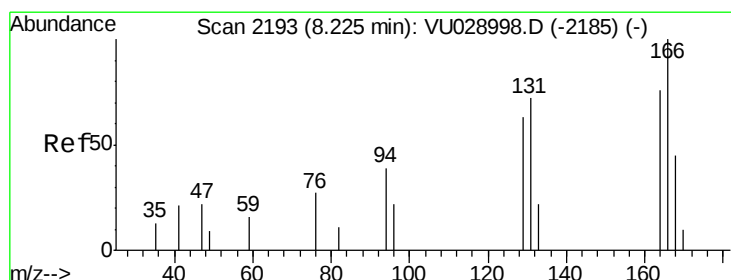
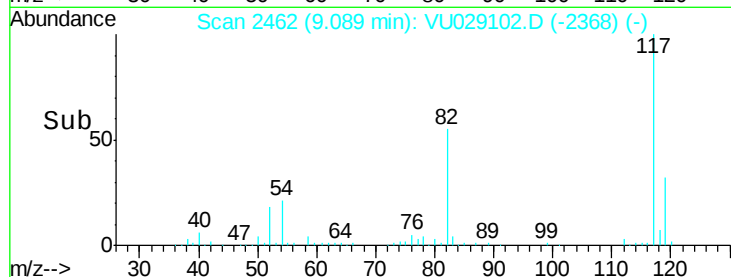
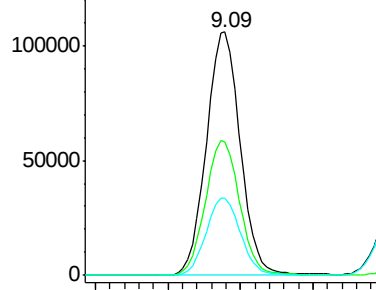
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	43.9	65.9
119	32.0	26.0	39.0

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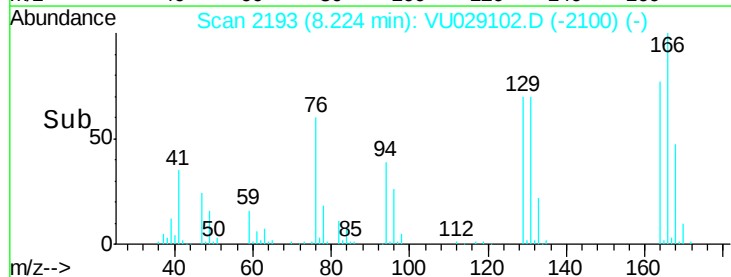
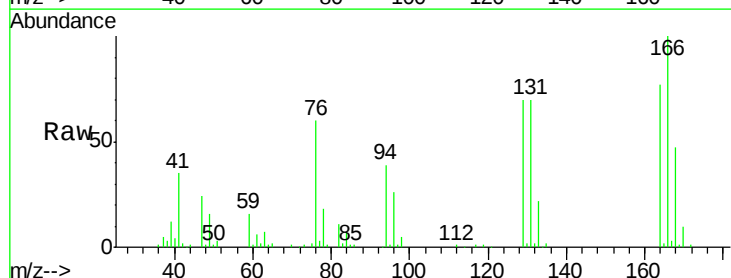
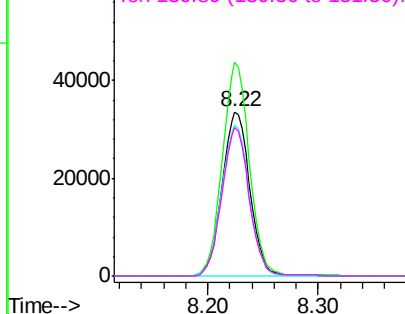
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

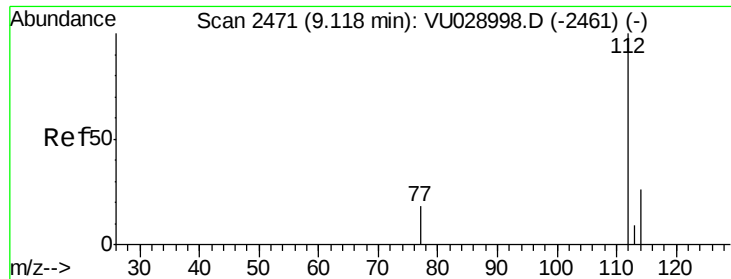


#64
Tetrachloroethene
Concen: 47.208 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	99.4	149.0
129	91.6	70.5	105.7
131	90.6	69.0	103.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





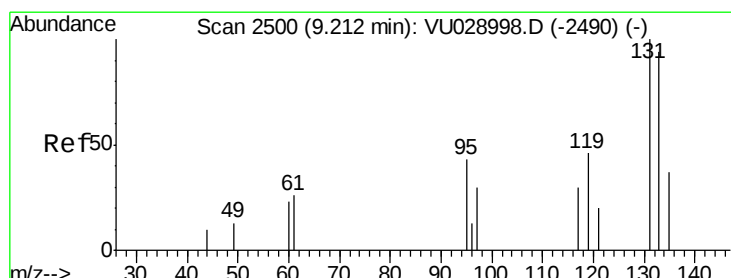
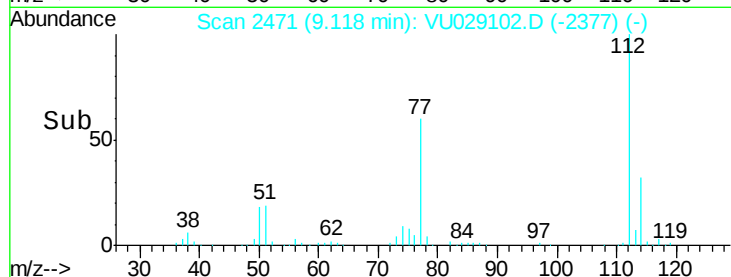
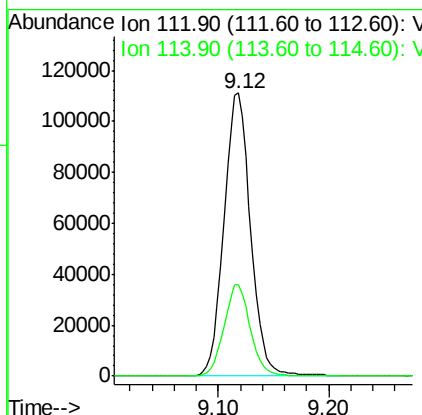
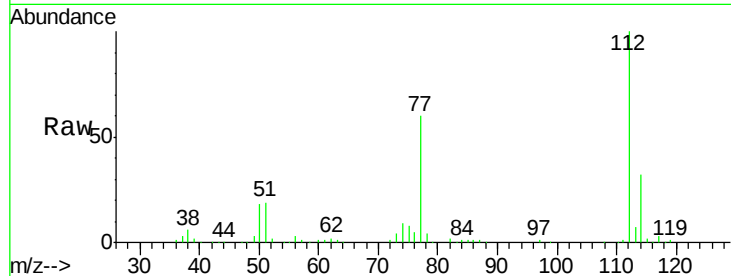
#65
Chlorobenzene
Concen: 48.246 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 185924
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.6

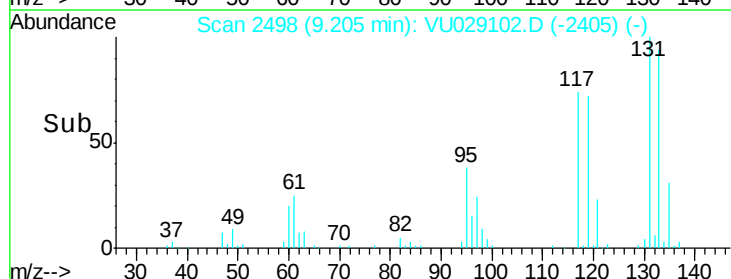
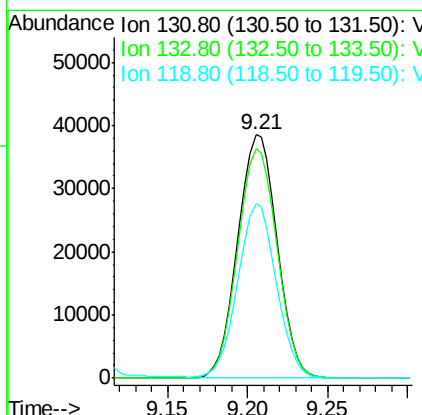
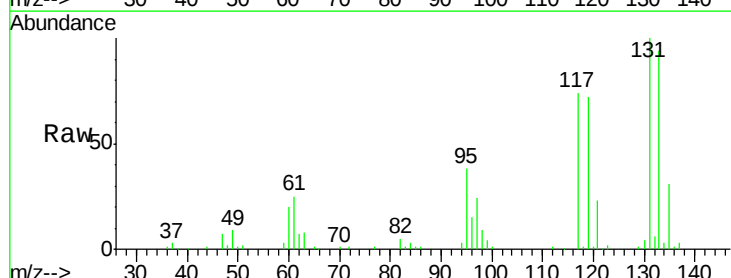
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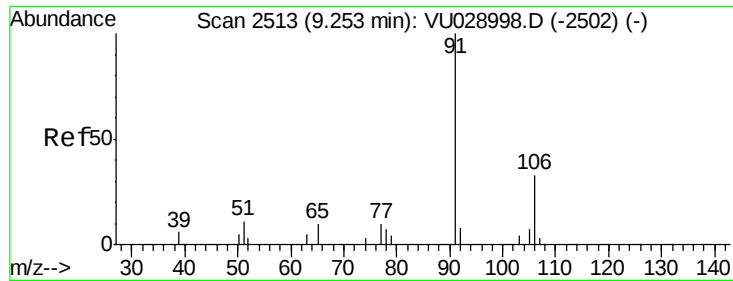
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.714 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion:131 Resp: 64673
Ion Ratio Lower Upper
131 100
133 94.4 48.2 144.6
119 70.3 35.4 106.3





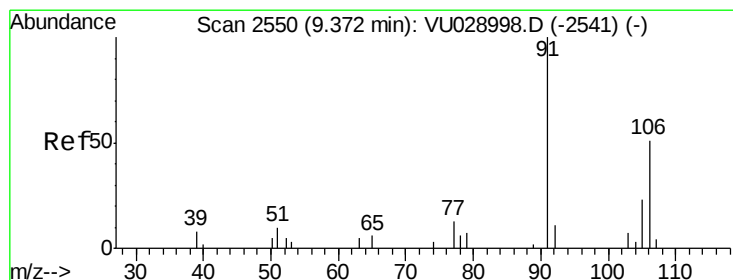
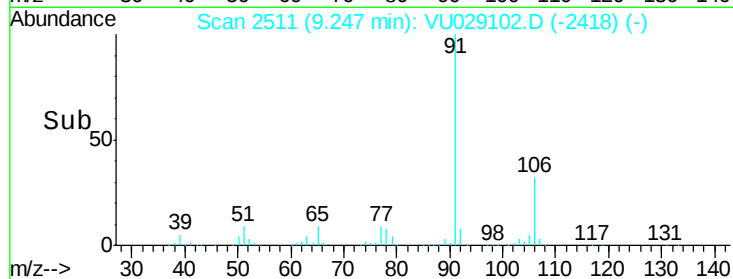
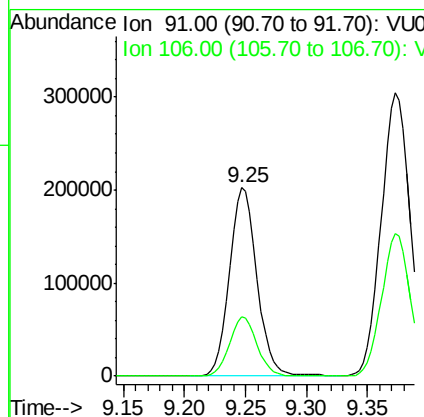
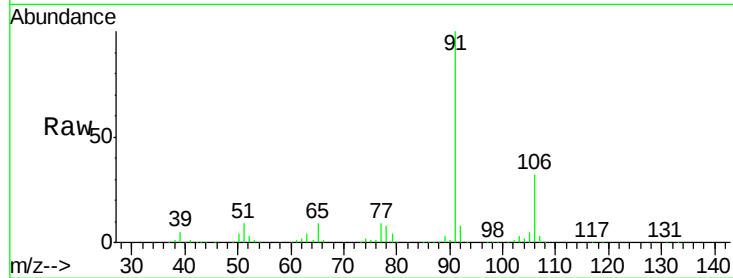
#67
Ethyl Benzene
Concen: 49.866 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 320833
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

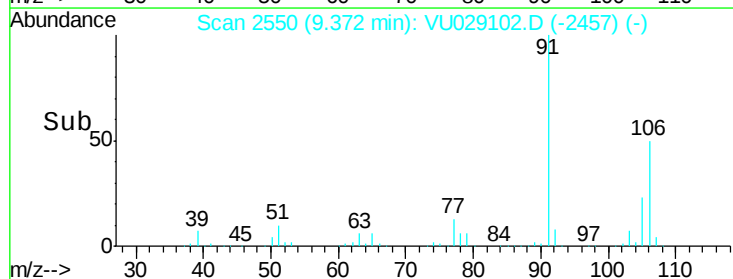
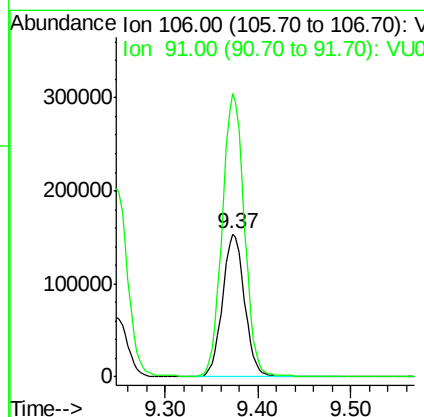
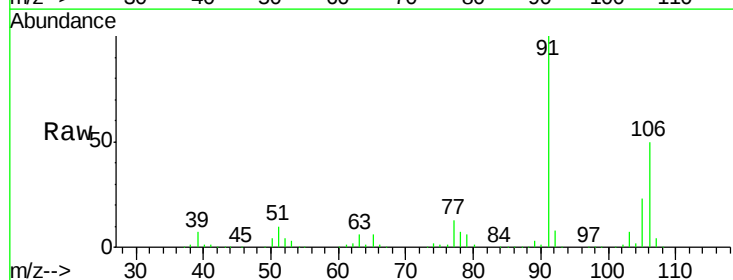
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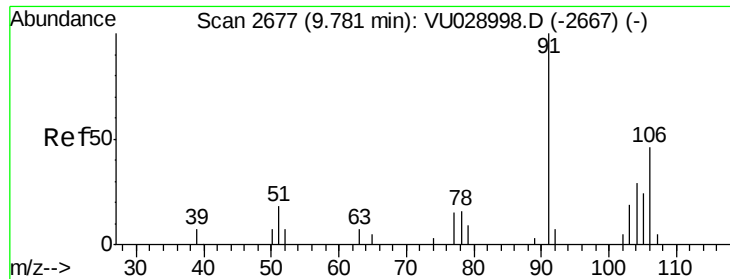
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#68
m/p-Xylenes
Concen: 101.331 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion: 106 Resp: 253314
Ion Ratio Lower Upper
106 100
91 199.9 161.7 242.5





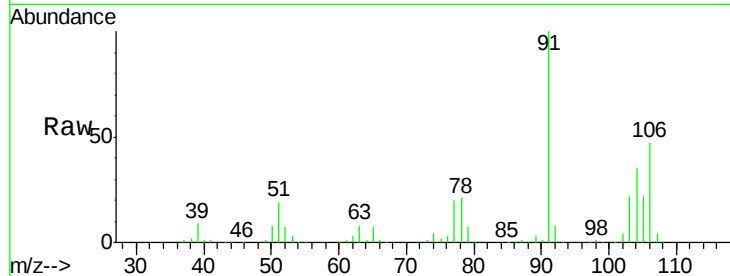
#69
o-Xylene
Concen: 51.254 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

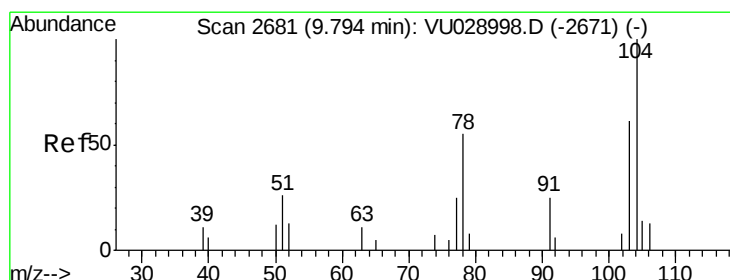
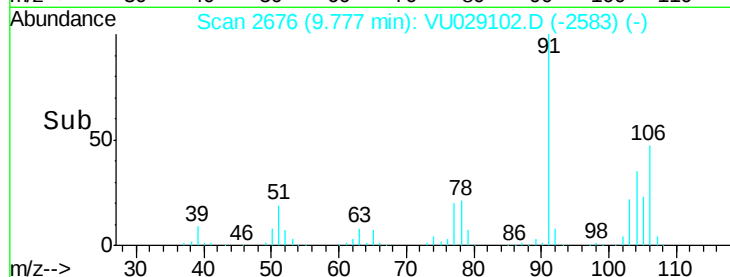
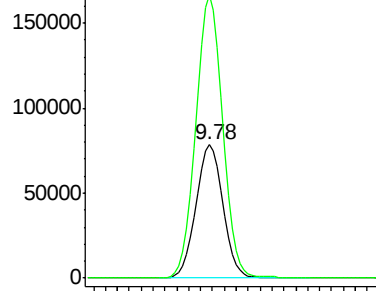
Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	106.1	318.3

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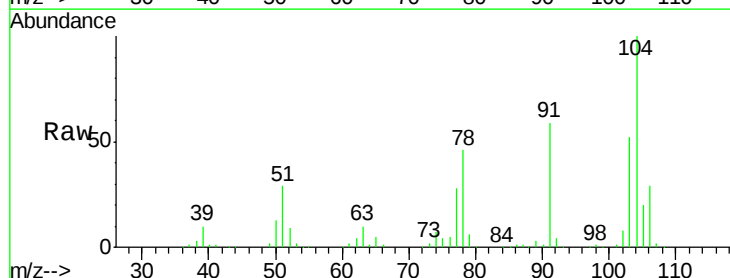


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

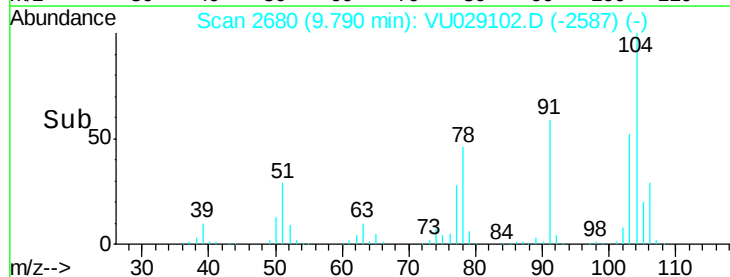
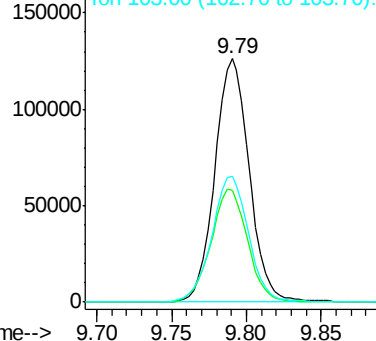


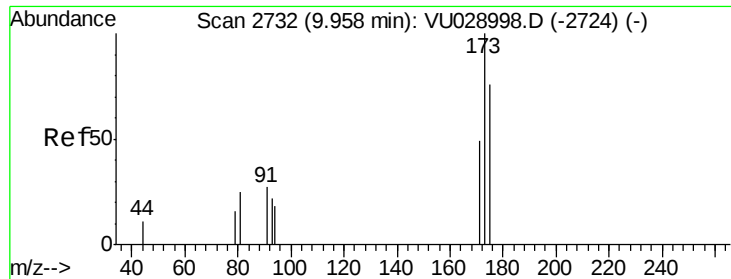
#70
Styrene
Concen: 51.120 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	38.6	58.0
103	55.7	44.5	66.7



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





#71

Bromoform

Concen: 51.598 ug/l

RT: 9.95 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

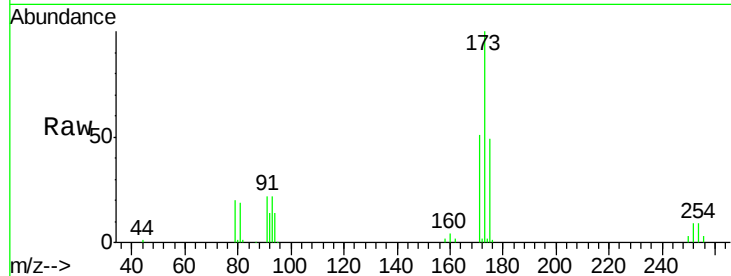
ClientSampleId :

VSTDCCC050EC

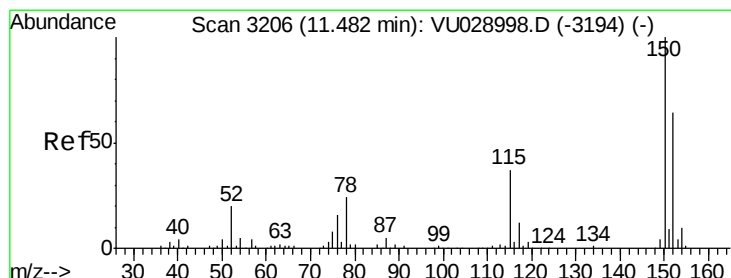
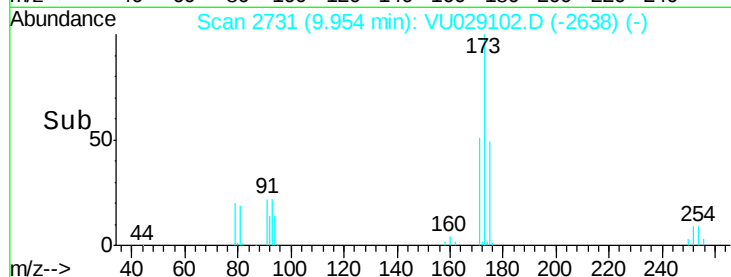
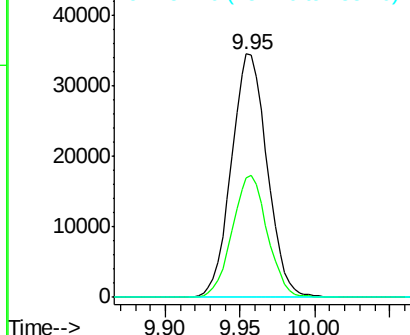
Tot Ion:	173	Resp:	57457
Ion Ratio	Lower	Upper	
173	100		
175	49.0	23.8	71.2
254	0.0	0.0	0.0

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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

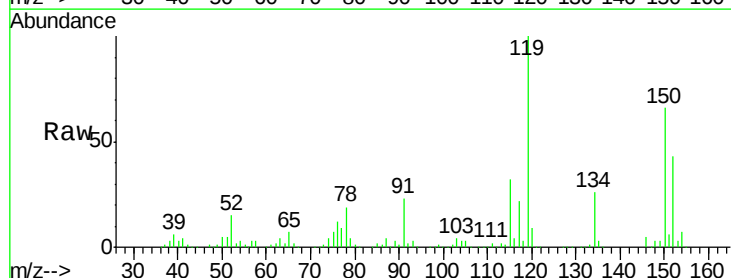
RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

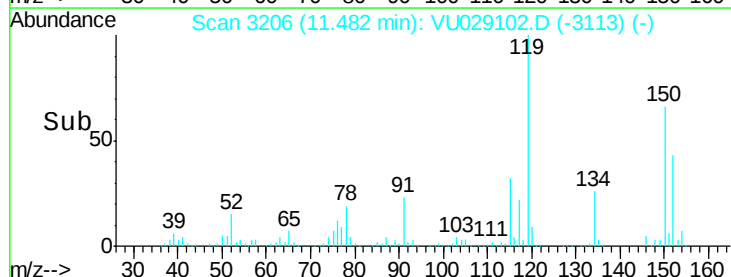
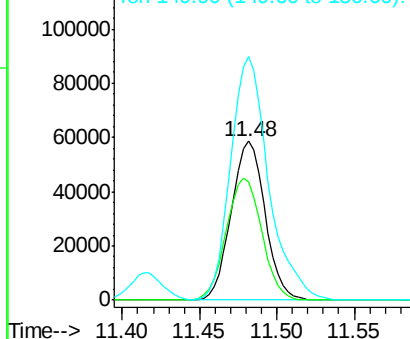
Lab File: VU029102.D

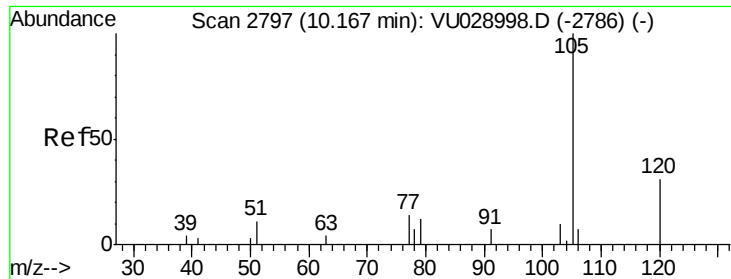
Acq: 09 Jan 2019 20:16

Tgt Ion:	152	Resp:	88794
Ion Ratio	Lower	Upper	
152	100		
115	80.8	40.1	120.3
150	172.3	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: 48.099 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 316119

Ion Ratio Lower Upper

105 100

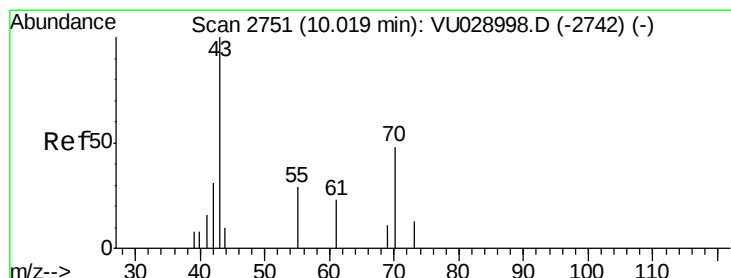
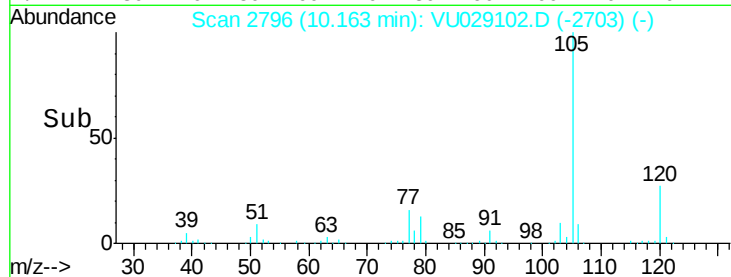
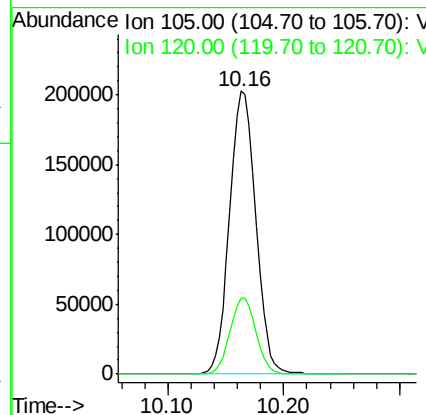
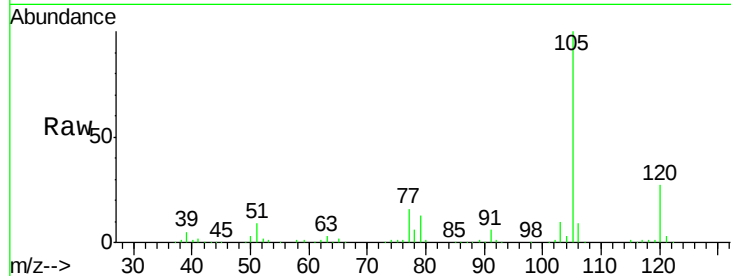
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 53.059 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Tgt Ion: 43 Resp: 150267

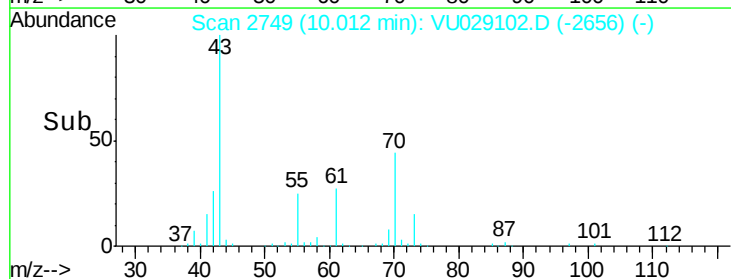
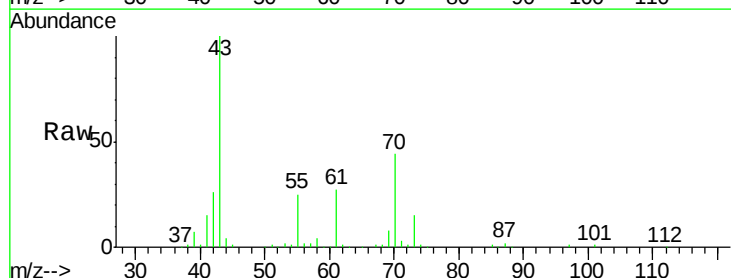
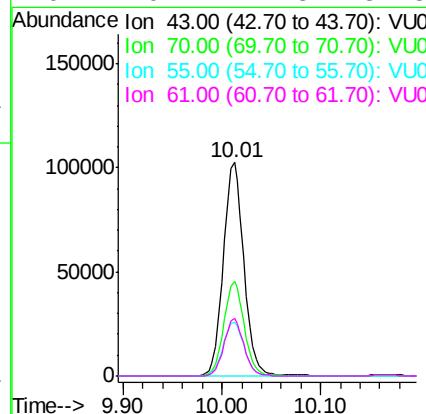
Ion Ratio Lower Upper

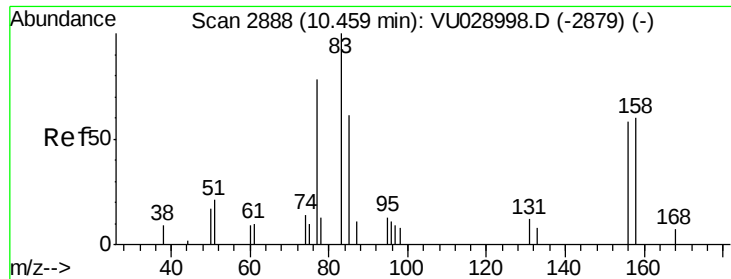
43 100

70 44.1 36.3 54.5

55 25.9 20.5 30.7

61 26.1 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.519 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 130437
Ion Ratio Lower Upper

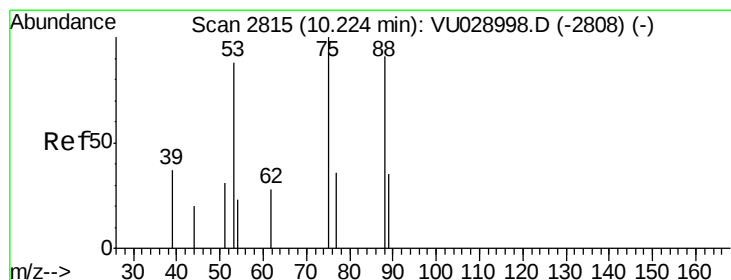
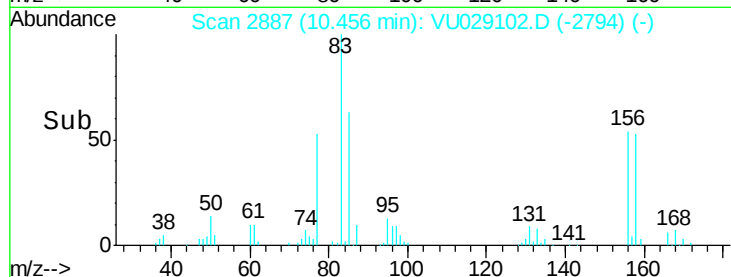
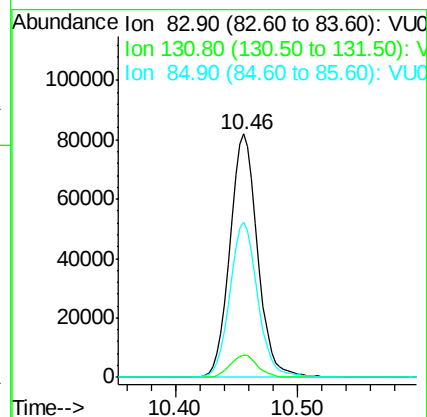
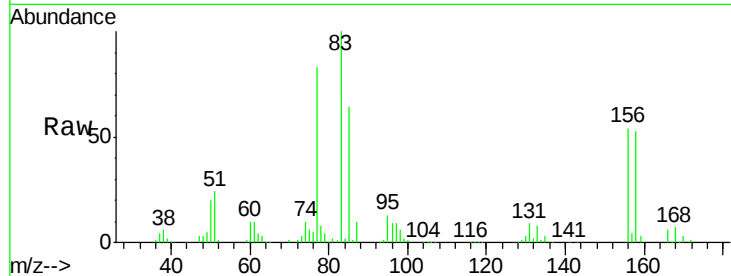
83 100

131 9.0 4.7 14.1

85 64.2 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 50.889 ug/l m

RT: 10.49 min Scan# 2898

Delta R.T. 0.00 min

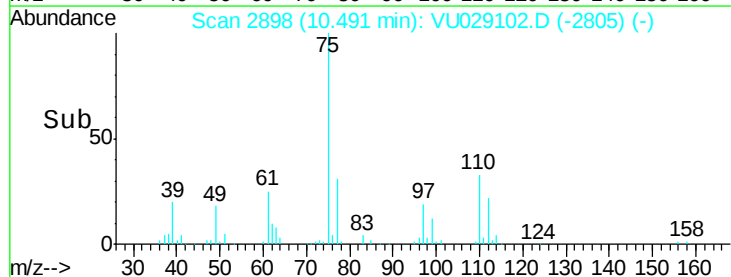
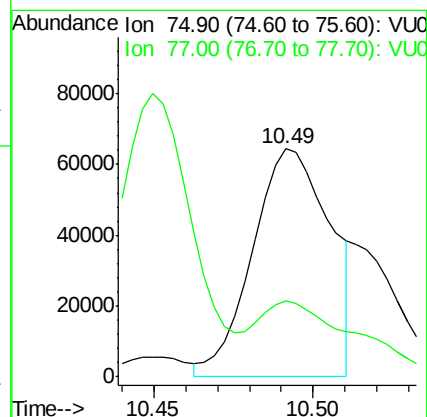
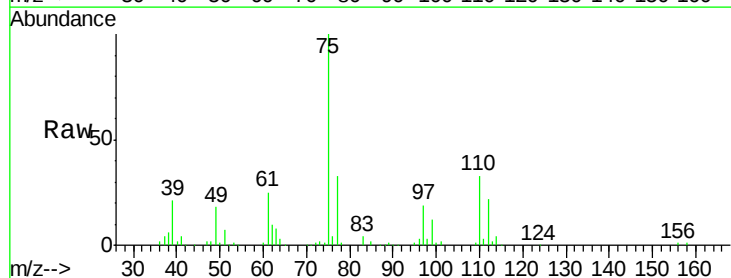
Lab File: VU029102.D

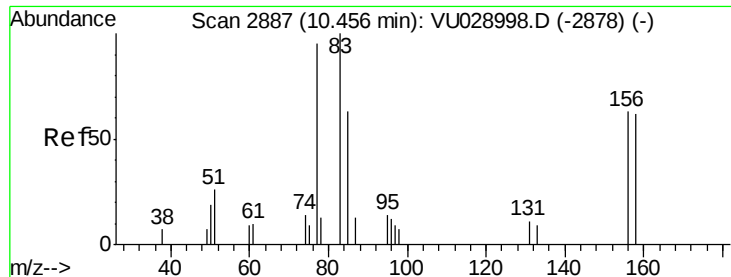
Acq: 09 Jan 2019 20:16

Tgt Ion: 75 Resp: 110714
Ion Ratio Lower Upper

75 100

77 41.5 20.9 62.8





#77

Bromobenzene

Concen: 47.234 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 80900

Ion Ratio Lower Upper

156 100

77 159.4 79.0 237.2

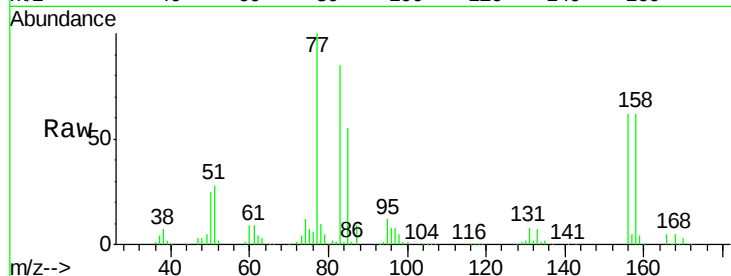
158 97.5 48.9 146.6

Manual Integrations

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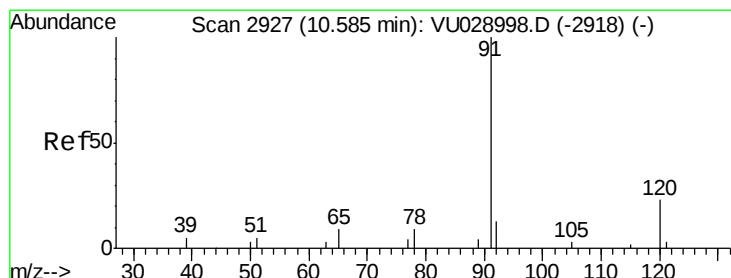
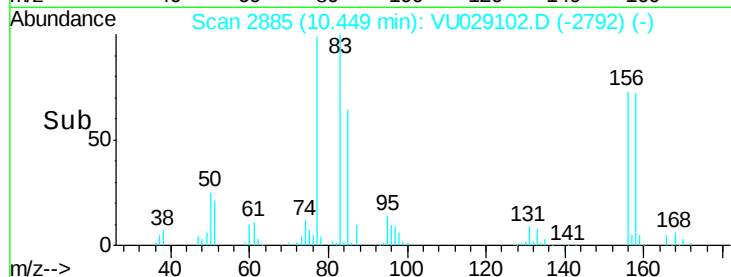
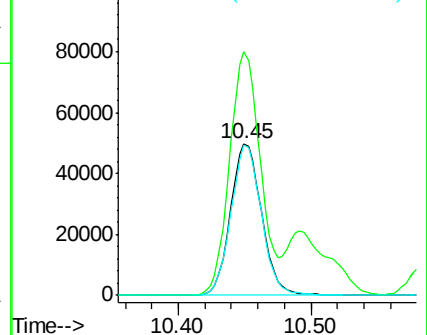
1/10/2019 9:38:40 AM



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: 49.752 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. 0.00 min

Lab File: VU029102.D

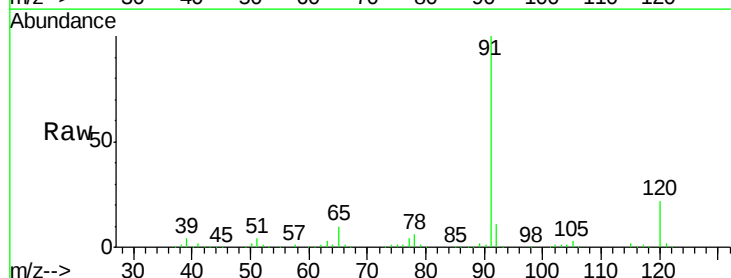
Acq: 09 Jan 2019 20:16

Tgt Ion: 91 Resp: 385348

Ion Ratio Lower Upper

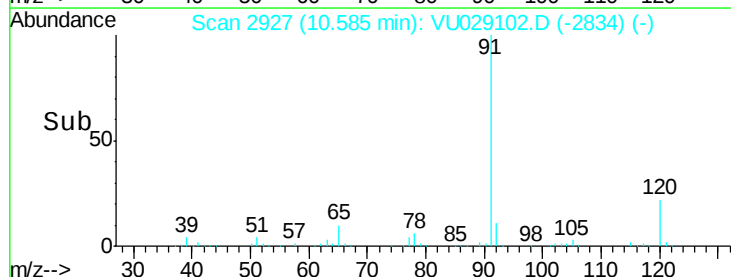
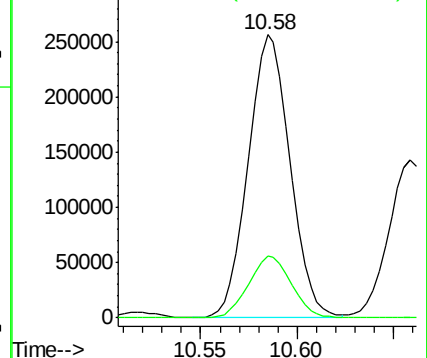
91 100

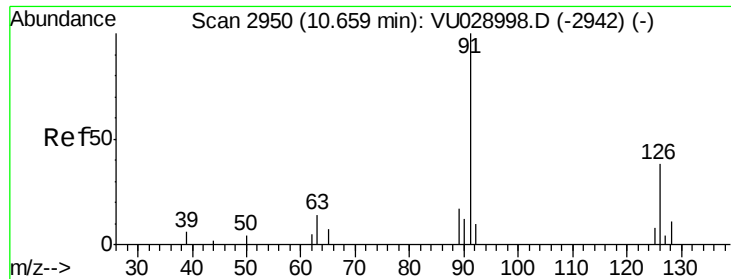
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.106 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 226022

Ion Ratio Lower Upper

91 100

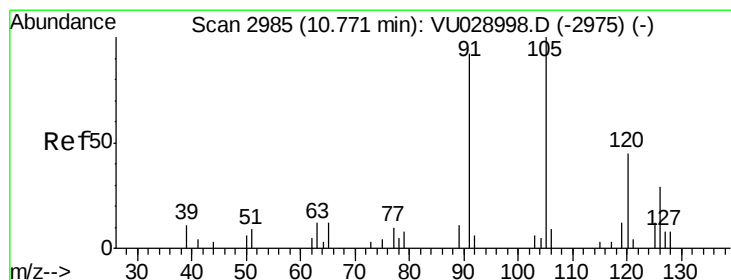
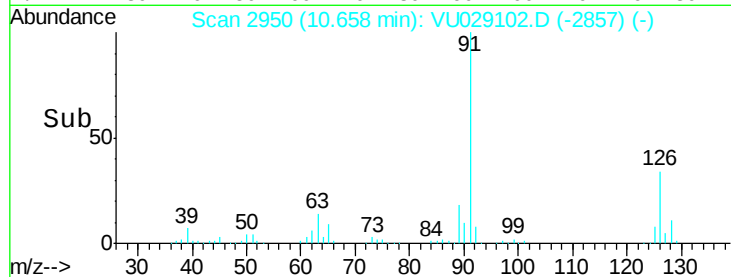
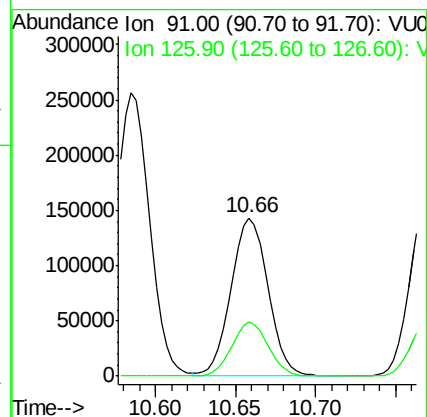
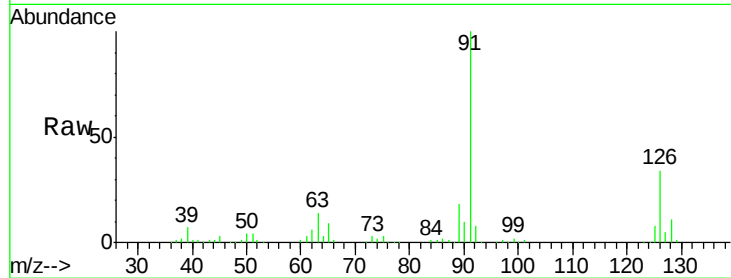
126 33.6 16.8 50.4

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#80

1,3,5-Trimethylbenzene

Concen: 49.565 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU029102.D

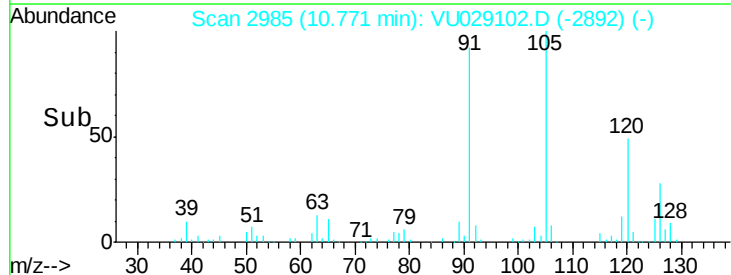
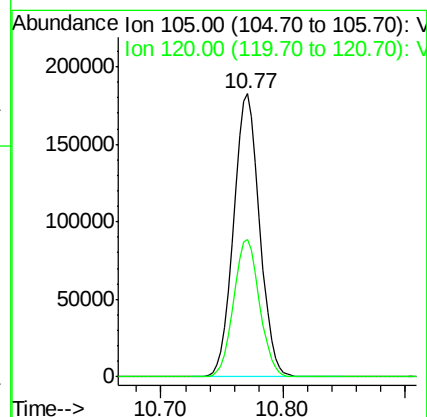
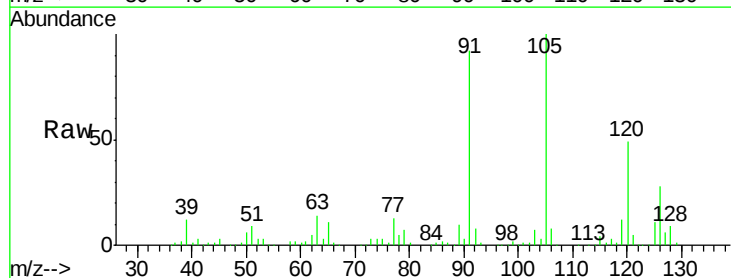
Acq: 09 Jan 2019 20:16

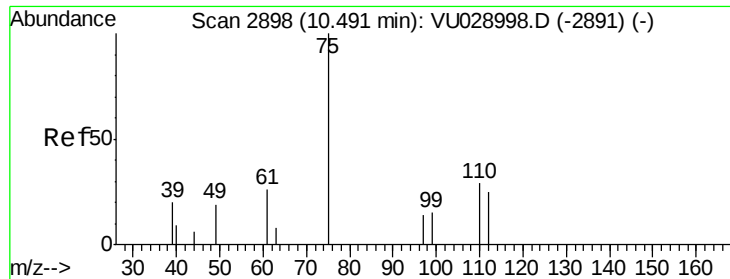
Tgt Ion: 105 Resp: 272033

Ion Ratio Lower Upper

105 100

120 48.6 24.8 74.4





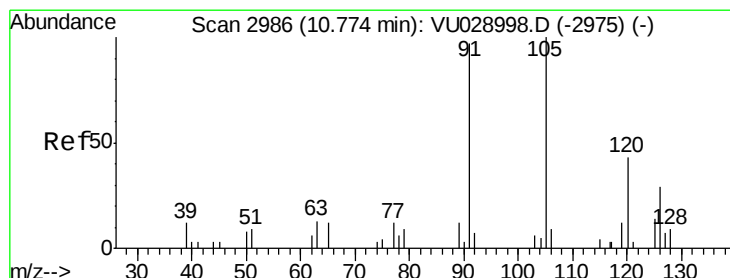
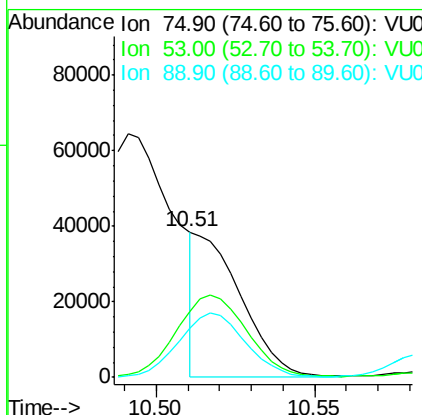
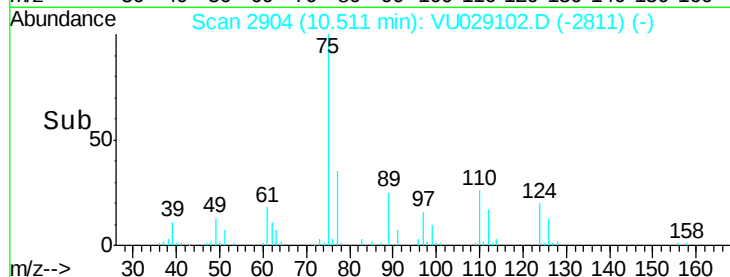
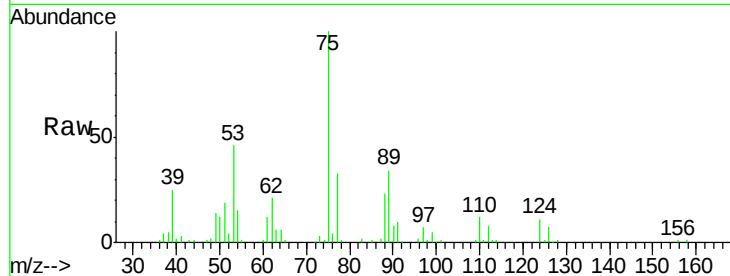
#81
trans-1,4-Dichloro-2-butene
Concen: 45.213 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

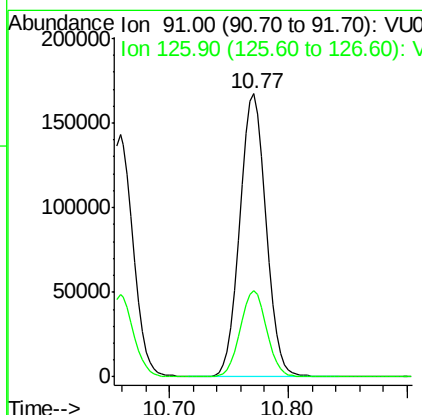
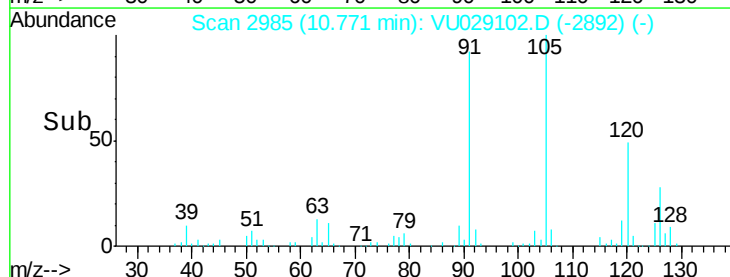
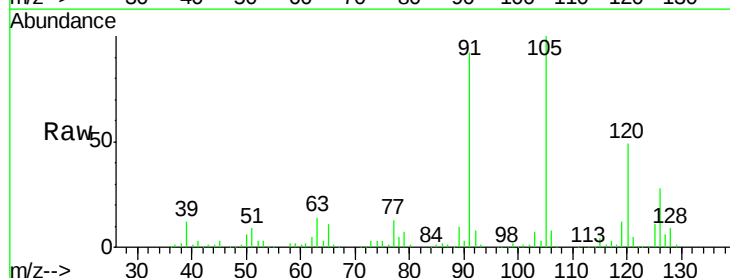
Manual Integrations
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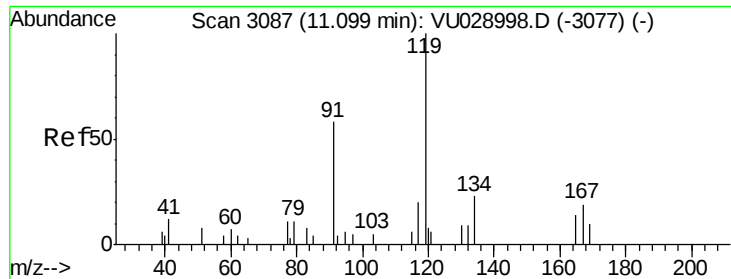
MMDadoda
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#82
4-Chlorotoluene
Concen: 47.585 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.5	46.5





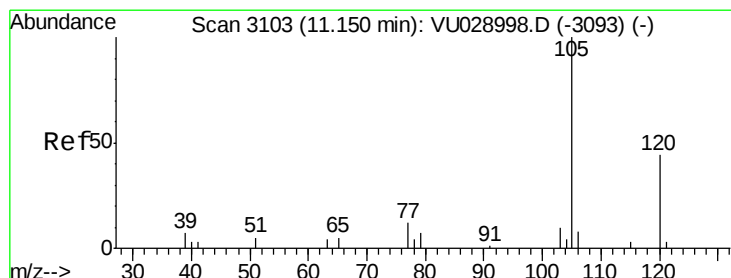
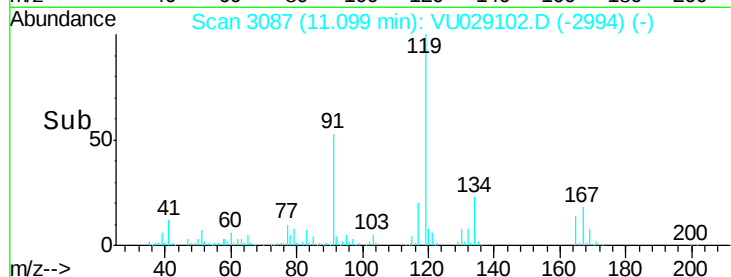
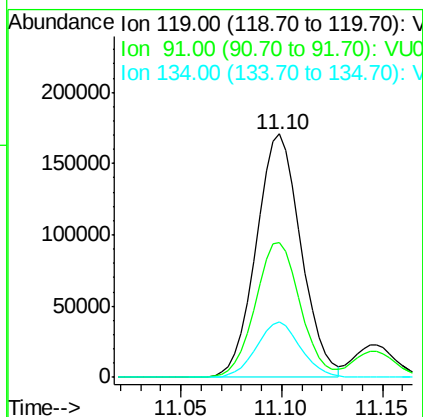
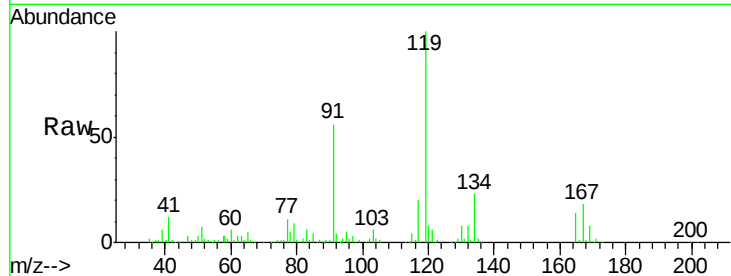
#83
tert-Butylbenzene
Concen: 48.814 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	264060		
91	55.8	28.2	84.6	
134	22.4	11.3	33.8	

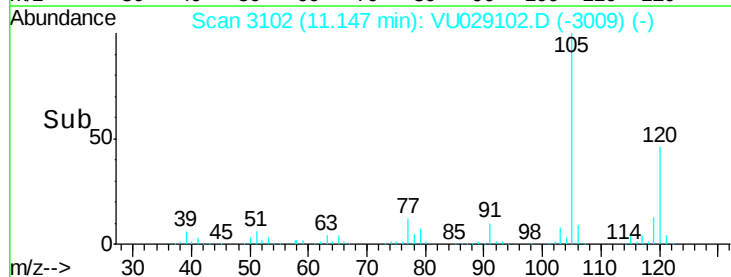
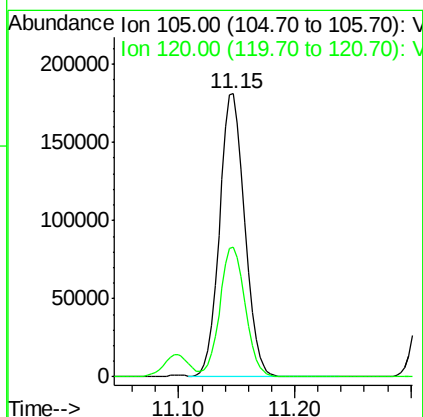
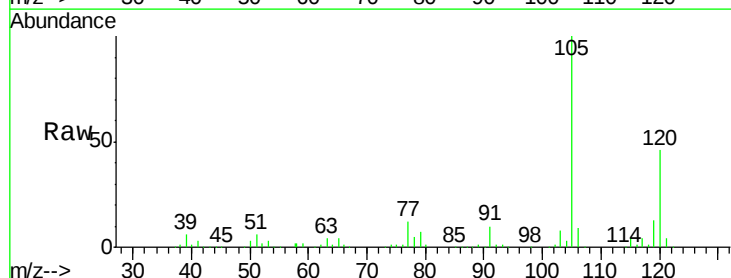
Manual Integrations
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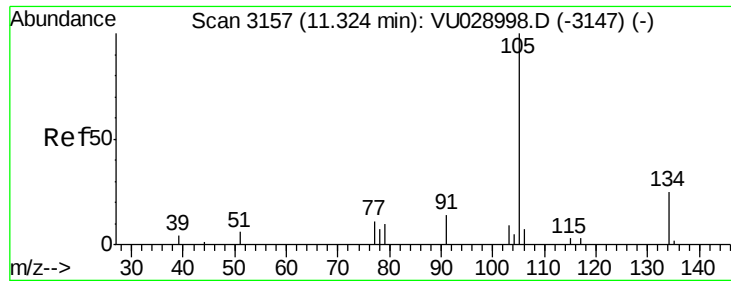
MMDadoda
1/10/2019 9:38:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.837 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273086		
120	46.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 49.582 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 324379

Ion Ratio Lower Upper

105 100

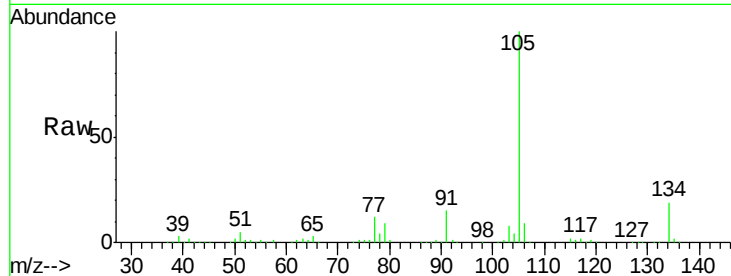
134 19.6 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

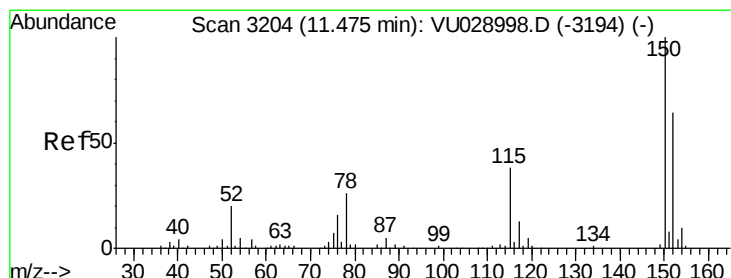
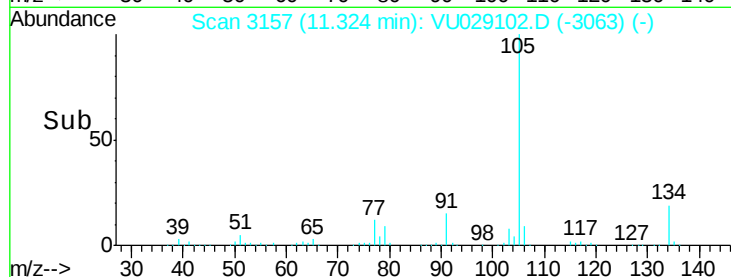
100000

50000

0

11.25 11.30 11.35 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 49.927 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

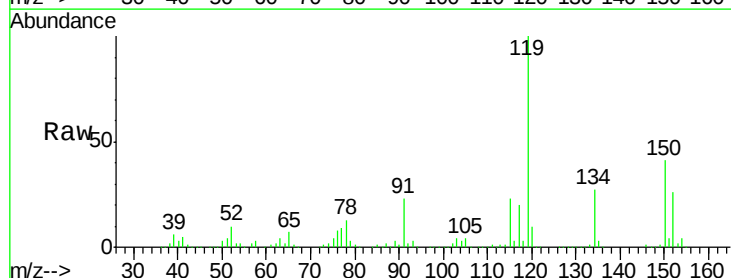
Tgt Ion:119 Resp: 278336

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.2 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

250000

200000

150000

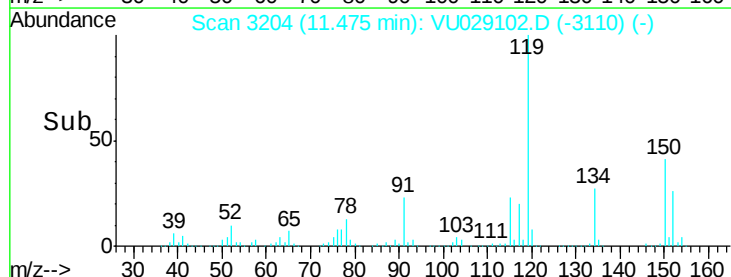
100000

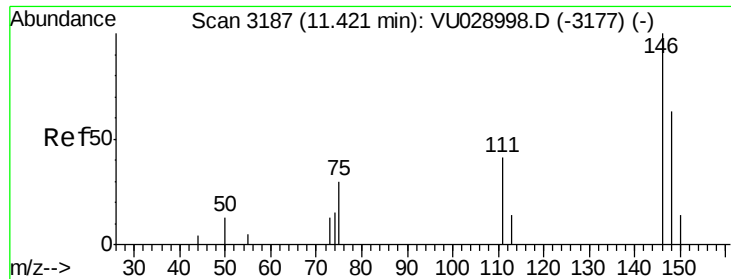
50000

0

11.40 11.50

Time-->





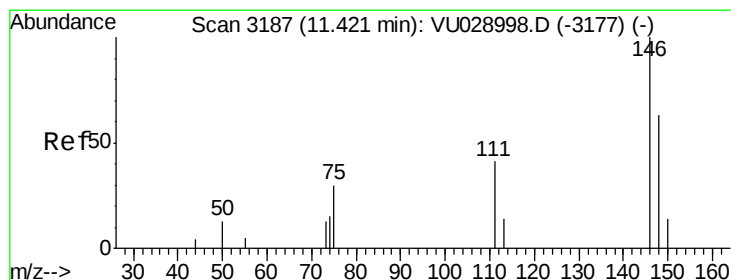
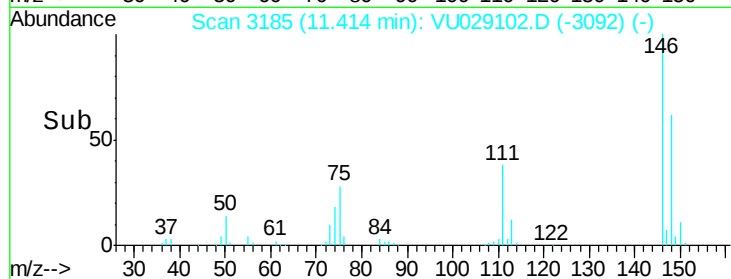
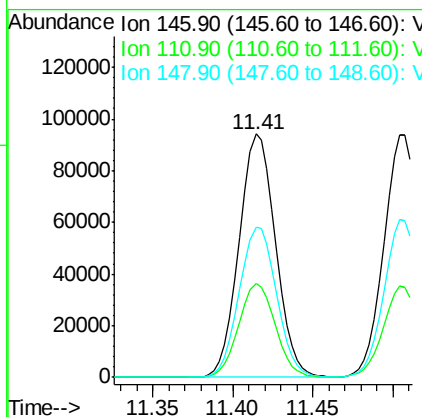
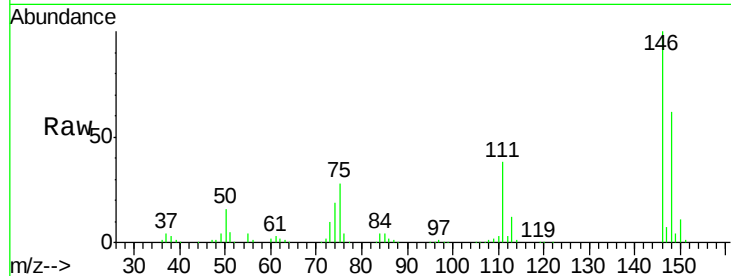
#87
 1,3-Dichlorobenzene
 Concen: 46.445 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.8
148	63.5	32.5	97.5

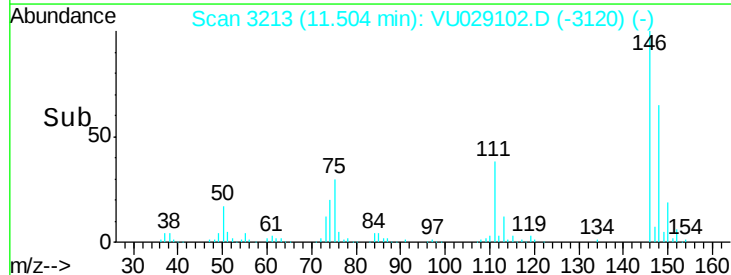
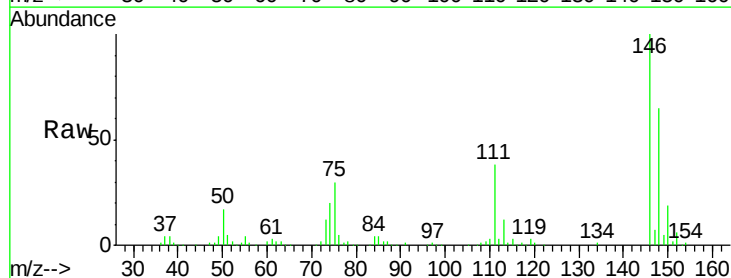
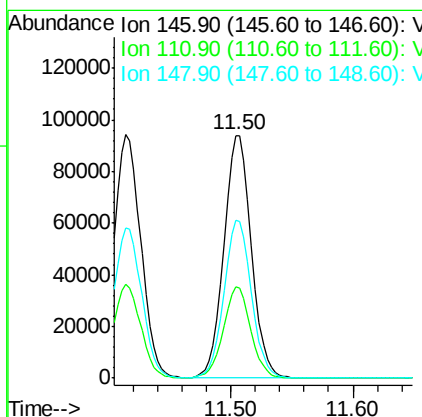
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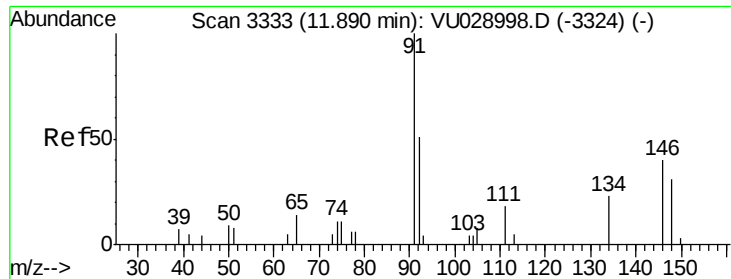
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 1/10/2019 9:38:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.849 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	65.0	32.6	98.0





#89

n-Butylbenzene

Concen: 51.852 ug/l

RT: 11.89 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VU029102.D

Acq: 09 Jan 2019 20:16

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 258001

Ion Ratio Lower Upper

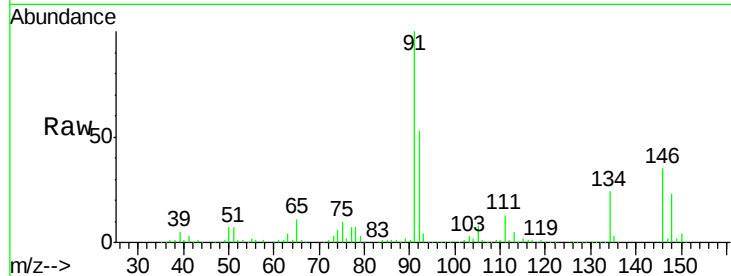
91 100

92 52.4 26.2 78.5

134 24.8 12.6 37.6

Manual Integrations
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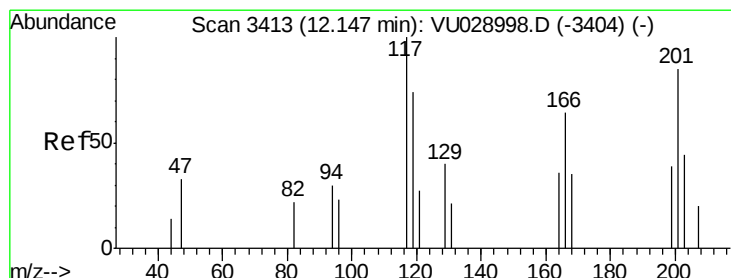
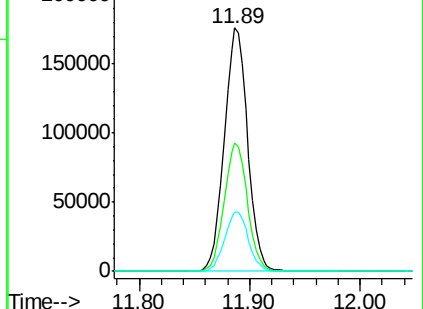
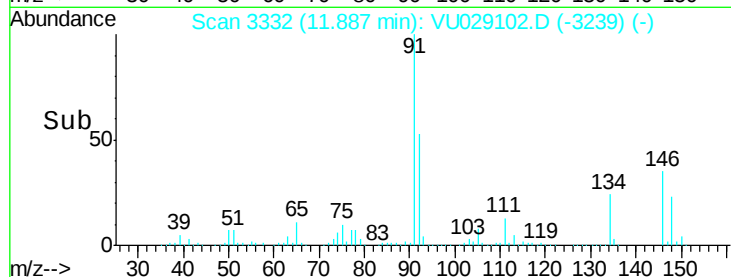
MMDadoda
1/10/2019 9:38:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VU028998.D (-3324) (-)

Ion 92.00 (91.70 to 92.70): VU028998.D (-3324) (-)

Ion 134.00 (133.70 to 134.70): VU028998.D (-3324) (-)



#90

Hexachloroethane

Concen: 49.914 ug/l

RT: 12.14 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VU029102.D

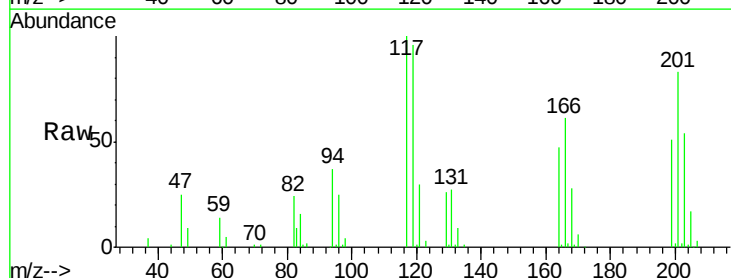
Acq: 09 Jan 2019 20:16

Tgt Ion: 117 Resp: 46811

Ion Ratio Lower Upper

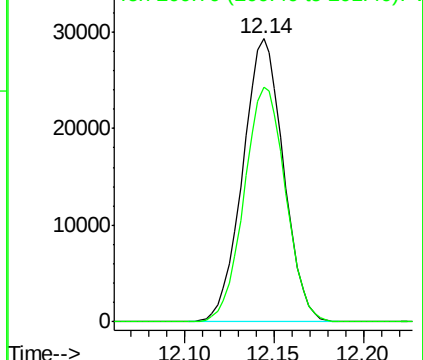
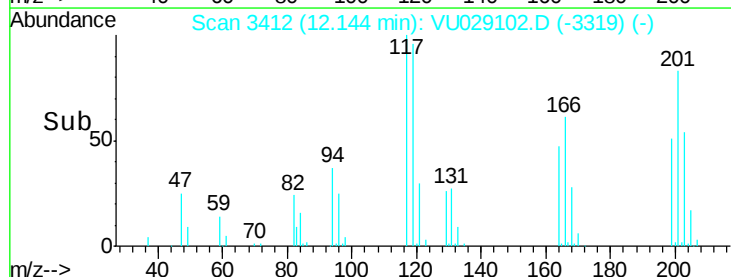
117 100

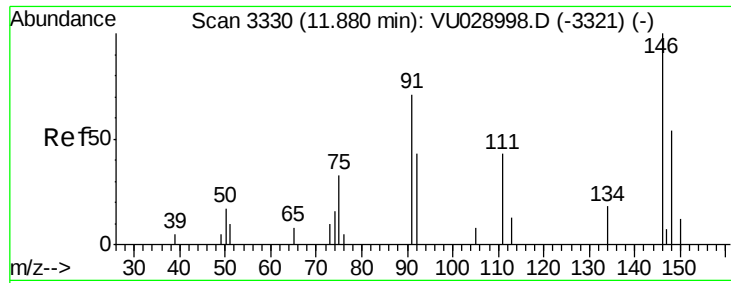
201 84.4 42.4 127.3



Abundance Ion 116.80 (116.50 to 117.50): VU028998.D (-3404) (-)

Ion 200.70 (200.40 to 201.40): VU028998.D (-3404) (-)





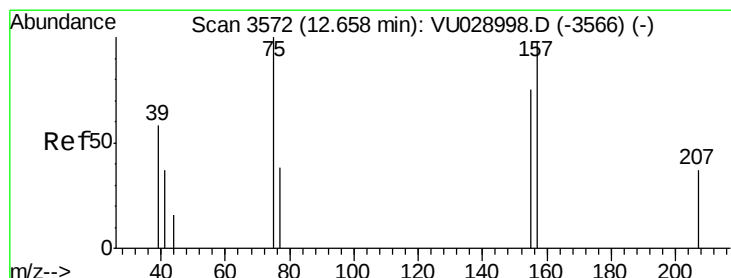
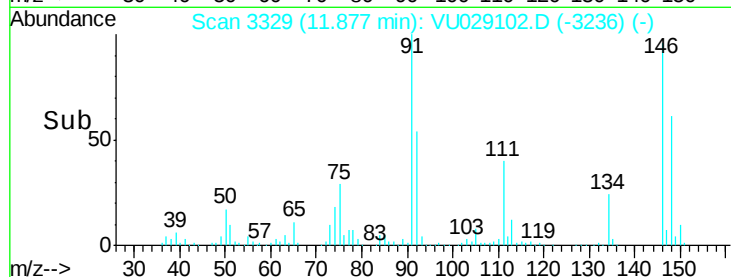
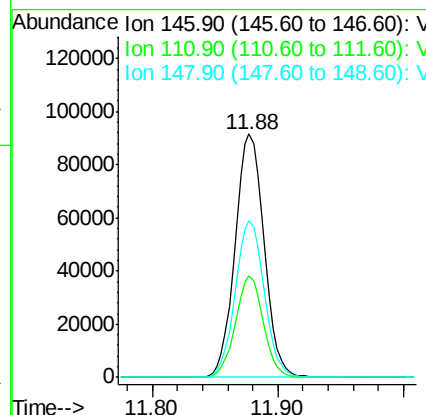
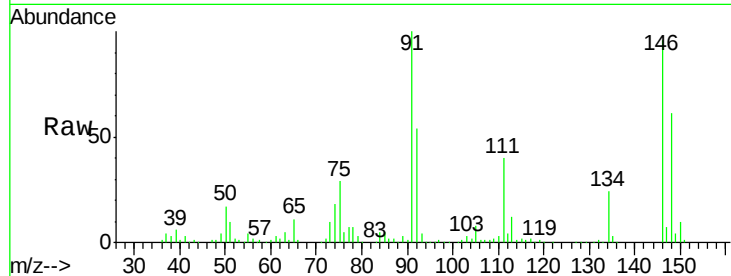
#91
 1,2-Dichlorobenzene
 Concen: 46.444 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	59.9
148	64.3	31.6	94.8

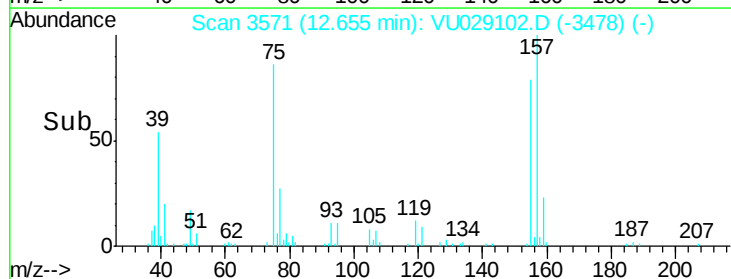
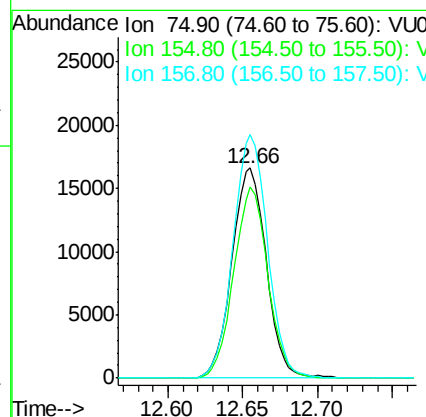
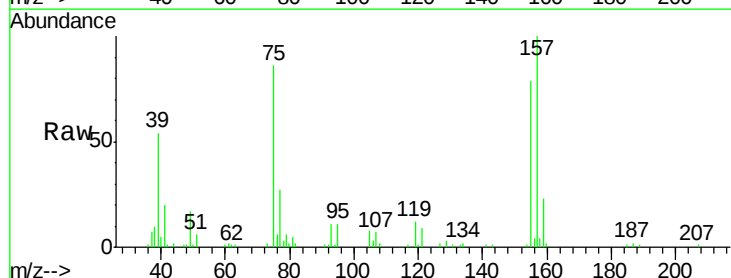
Manual Integrations
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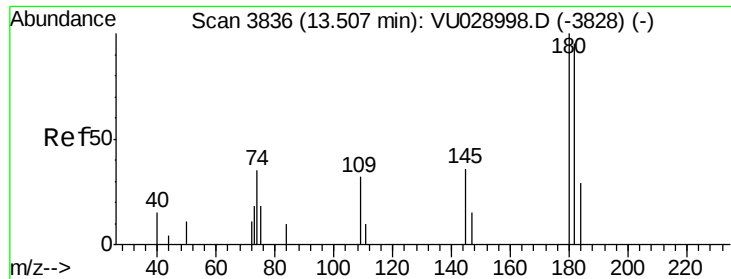
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 1/10/2019 9:38:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.688 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	46.3	138.8
157	115.5	57.4	172.0





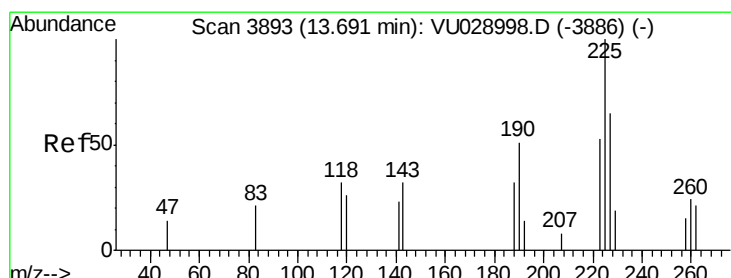
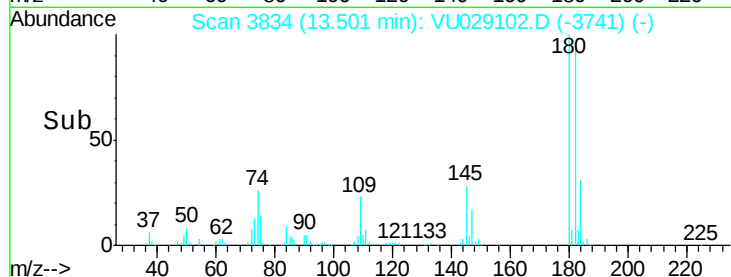
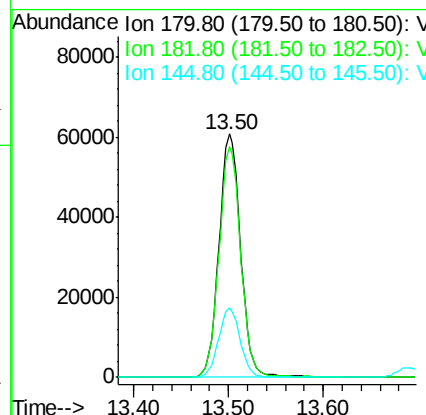
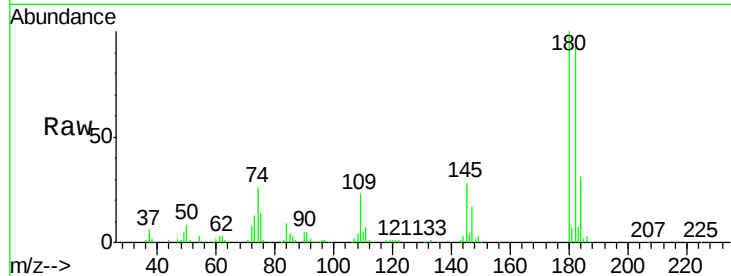
#93
 1,2,4-Trichlorobenzene
 Concen: 47.701 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	28.6	14.0	42.0

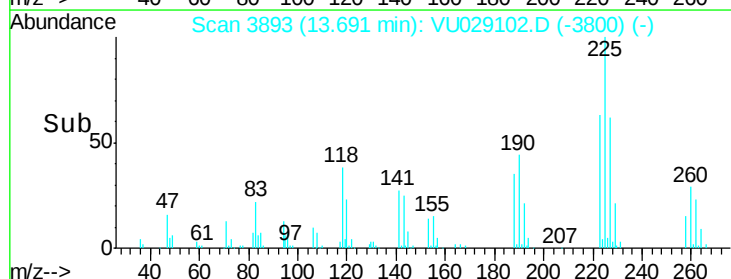
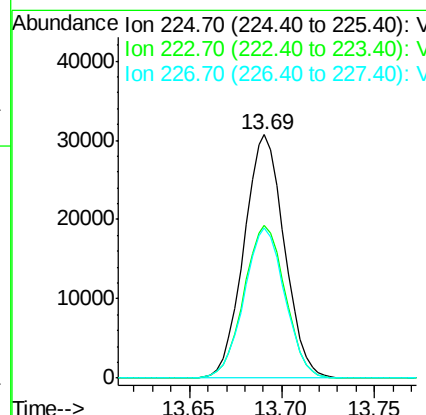
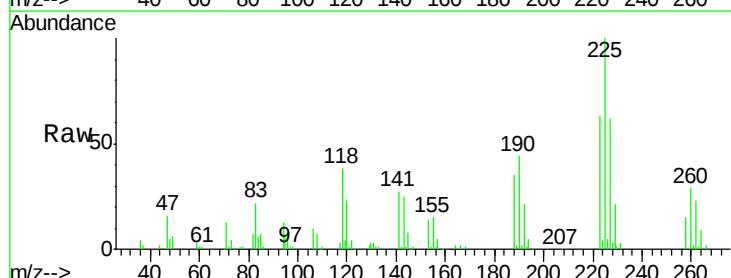
Manual Integrations
 APPROVED

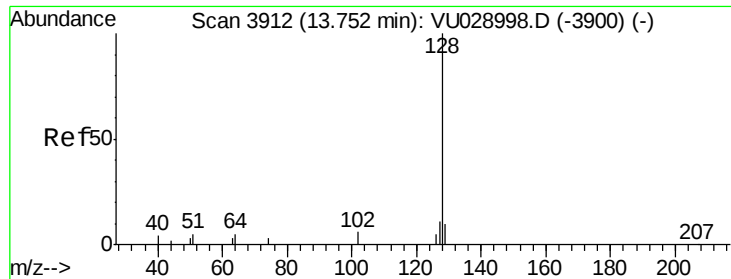
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 1/10/2019 9:38:40 AM



#94
 Hexachlorobutadiene
 Concen: 50.003 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU029102.D
 Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.4	94.0
227	62.2	31.9	95.5





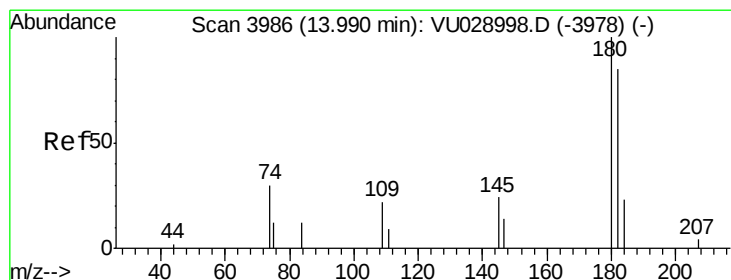
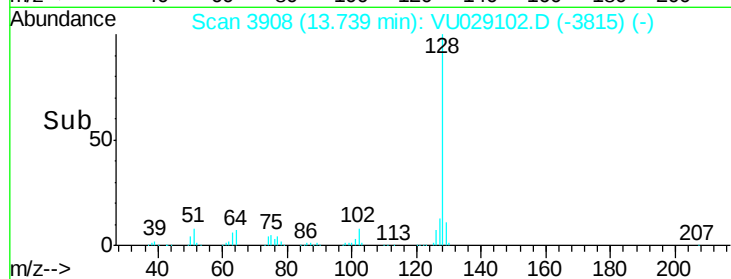
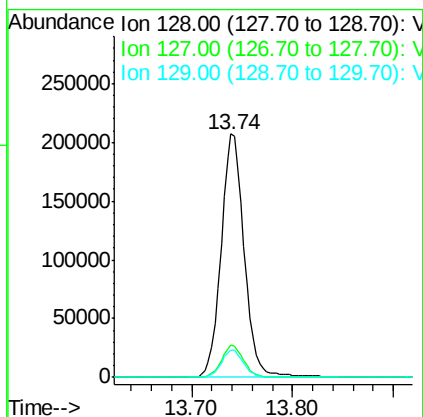
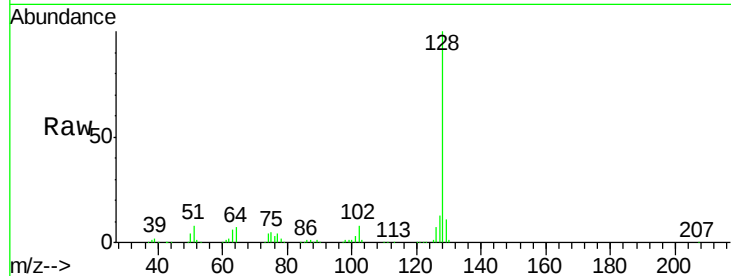
#95
Naphthalene
Concen: 48.199 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 48.202 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU029102.D
Acq: 09 Jan 2019 20:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.3
145	30.3	14.8	44.4

