

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111218\
 Data File : VU028055.D
 Acq On : 12 Nov 2018 11:01
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/13/2018 12:12:39 PM

Quant Time: Nov 13 02:53:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U110218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 02 02:28:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	167595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	280970	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	269196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	136379	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	131467	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
35) Dibromofluoromethane	4.88	113	93945	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	7.57	98	373528	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	10.31	95	141025	55.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	87574	41.122	ug/l	97
3) Chloromethane	1.33	50	134332	52.157	ug/l	99
4) Vinyl Chloride	1.40	62	122656	47.983	ug/l	99
5) Bromomethane	1.62	94	57243	53.605	ug/l	97
6) Chloroethane	1.70	64	77978	52.934	ug/l	98
7) Trichlorofluoromethane	1.89	101	151908	51.427	ug/l	98
8) Diethyl Ether	2.11	74	65964	52.154	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	91113	51.923	ug/l	99
10) Methyl Iodide	2.41	142	90906	55.414	ug/l	100
11) Tert butyl alcohol	2.82	59	133659	202.624	ug/l	99
12) 1,1-Dichloroethene	2.29	96	82915	47.205	ug/l	97
13) Acrolein	2.20	56	77564	321.608	ug/l	96
14) Allyl chloride	2.59	41	209188	48.729	ug/l	98
15) Acrylonitrile	2.93	53	398630	246.015	ug/l	99
16) Acetone	2.32	43	386861	250.241	ug/l	97
17) Carbon Disulfide	2.48	76	279955	48.762	ug/l	99
18) Methyl Acetate	2.61	43	208403	49.005	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	362929	51.236	ug/l	100
20) Methylene Chloride	2.70	84	113094	50.104	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	97786	48.240	ug/l	96
22) Diisopropyl ether	3.57	45	461002	52.015	ug/l	98
23) Vinyl Acetate	3.52	43	1983978	260.467	ug/l	100
24) 1,1-Dichloroethane	3.45	63	225662	51.117	ug/l	99
25) 2-Butanone	4.26	43	603561	245.403	ug/l	99
26) 2,2-Dichloropropane	4.23	77	180109	54.365	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	118981	52.343	ug/l	98
28) Bromochloromethane	4.55	49	117880	56.959	ug/l	97
29) Tetrahydrofuran	4.64	42	371657	226.304	ug/l	100
30) Chloroform	4.67	83	203161	50.191	ug/l	97
31) Cyclohexane	5.00	56	216119	49.883	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	169918	52.735	ug/l	100
36) 1,1-Dichloropropene	5.14	75	157274	53.446	ug/l	99
37) Ethyl Acetate	4.38	43	216755	50.271	ug/l	99
38) Carbon Tetrachloride	5.14	117	139147	53.357	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	194058	54.676	ug/l	97
40) Benzene	5.39	78	477210	53.041	ug/l	98
41) Methacrylonitrile	4.54	41	121403	52.760	ug/l	98
42) 1,2-Dichloroethane	5.40	62	168412	52.662	ug/l	99
43) Isopropyl Acetate	5.55	43	351607	52.050	ug/l	99
44) Trichloroethene	6.19	130	104089	53.823	ug/l	99
45) 1,2-Dichloropropane	6.43	63	142656	54.980	ug/l	99
46) Dibromomethane	6.56	93	80022	53.655	ug/l	97
47) Bromodichloromethane	6.76	83	161389	56.152	ug/l	99
48) Methyl methacrylate	6.62	41	175855	53.123	ug/l	98
49) 1,4-Dioxane	6.61	88	52641	974.689	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	1125756	249.540	ug/l	99
52) Toluene	7.64	92	284780	53.841	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	192841	54.013	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	205862	58.101	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	117192	54.460	ug/l	97
56) Ethyl methacrylate	8.02	69	204870	53.986	ug/l	99
57) 1,3-Dichloropropane	8.24	76	212706	54.263	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	551023	271.115	ug/l	99
59) 2-Hexanone	8.36	43	875950	251.046	ug/l	100
60) Dibromochloromethane	8.48	129	116388	57.157	ug/l	100
61) 1,2-Dibromoethane	8.59	107	124703	54.538	ug/l	100
64) Tetrachloroethene	8.23	164	94966	54.405	ug/l	99
65) Chlorobenzene	9.12	112	299309	52.627	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	104016	53.544	ug/l	100
67) Ethyl Benzene	9.25	91	559561	53.451	ug/l	100
68) m/p-Xylenes	9.38	106	408773	107.616	ug/l	98
69) o-Xylene	9.78	106	199505	52.014	ug/l	99
70) Styrene	9.79	104	328579	53.614	ug/l	99
71) Bromoform	9.96	173	87543	53.772	ug/l #	100
73) Isopropylbenzene	10.17	105	541915	51.293	ug/l	100
74) N-amyl acetate	10.01	43	322061	50.412	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	207352	48.655	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	174878m	46.880	ug/l	
77) Bromobenzene	10.45	156	123342	50.913	ug/l	97
78) n-propylbenzene	10.59	91	680191	53.785	ug/l	99
79) 2-Chlorotoluene	10.66	91	385769	50.891	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	459064	52.452	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	73295m	49.063	ug/l	
82) 4-Chlorotoluene	10.77	91	452942	52.633	ug/l	98
83) tert-Butylbenzene	11.10	119	438810	50.152	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	469435	53.266	ug/l	98
85) sec-Butylbenzene	11.32	105	573703	53.915	ug/l	100
86) p-Isopropyltoluene	11.48	119	488042	54.864	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	231026	51.623	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	235771	51.400	ug/l	100
89) n-Butylbenzene	11.89	91	496861	58.772	ug/l	98
90) Hexachloroethane	12.15	117	87087	54.989	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	235524	52.333	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	43573	48.523	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	162878	51.583	ug/l	99
94) Hexachlorobutadiene	13.69	225	82101	57.400	ug/l	98
95) Naphthalene	13.74	128	540378	48.299	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	165211	54.707	ug/l	100

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

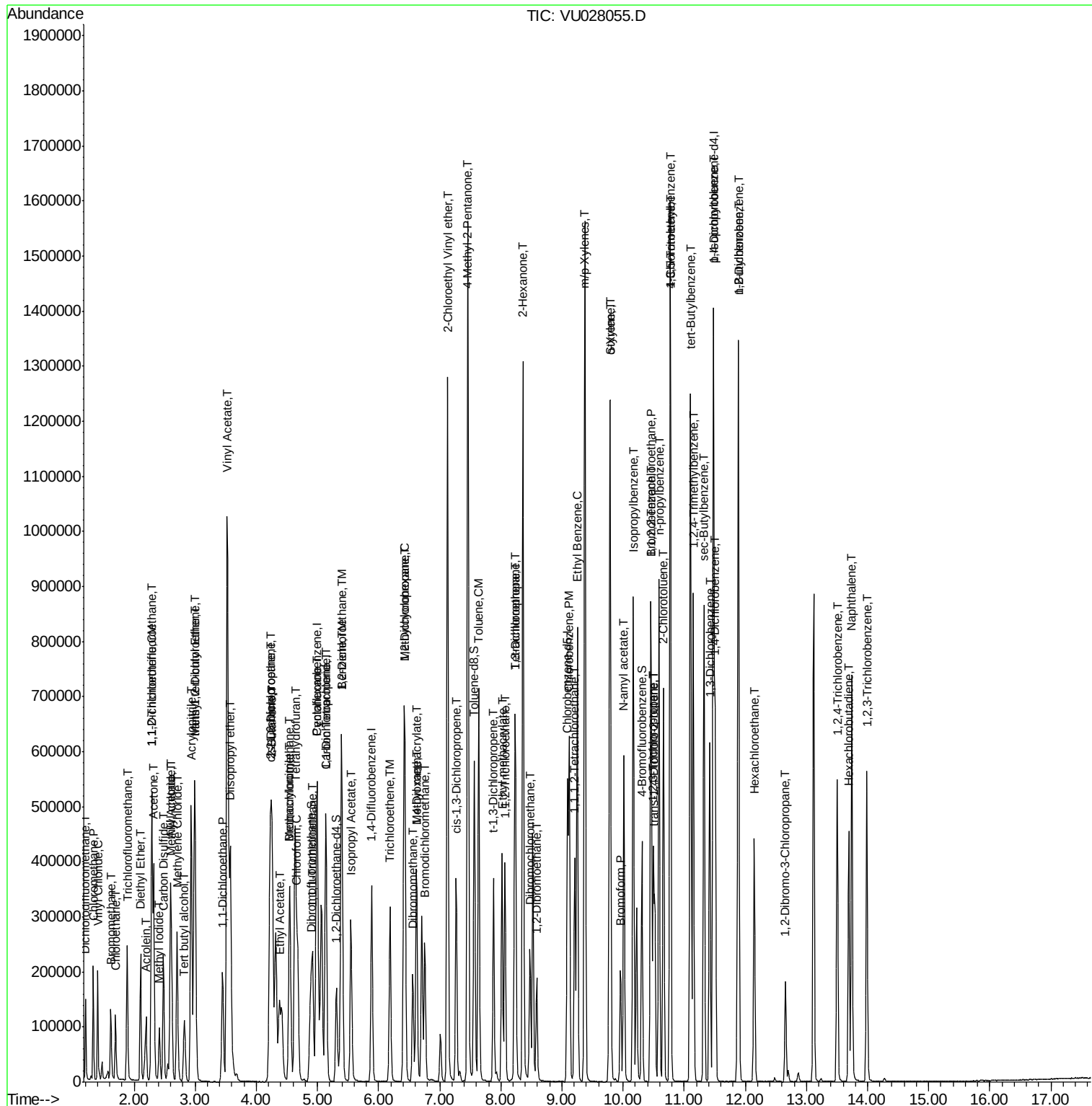
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU111218\
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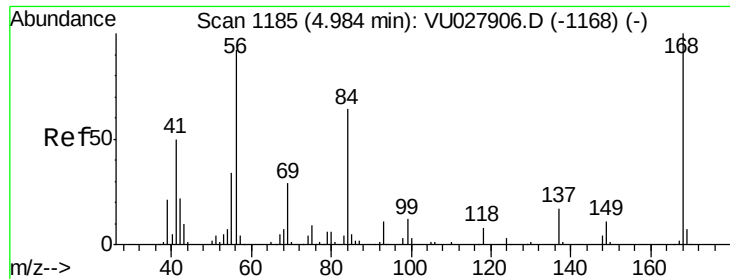
Instrument :
MSVOA_U
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 167595

Ion Ratio Lower Upper

168 100

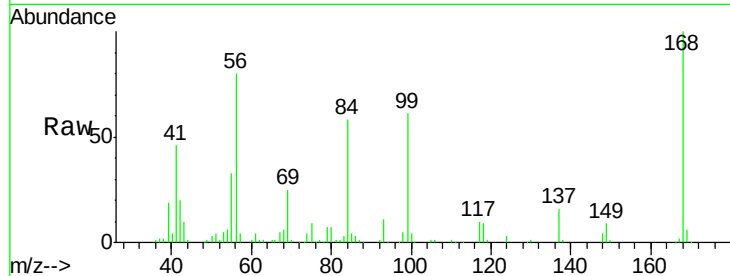
99 60.8 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU027906.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU027906.D (-1168) (-)

80000

60000

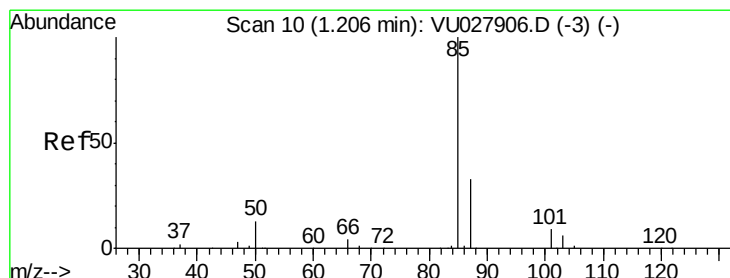
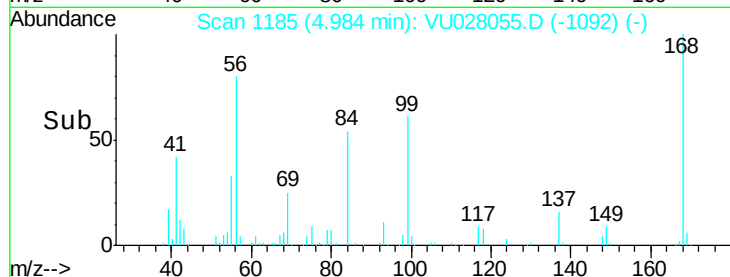
40000

20000

0

4.90 4.98 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.122 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028055.D

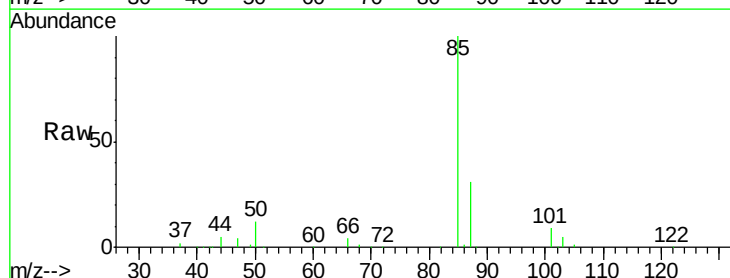
Acq: 12 Nov 2018 11:01

Tgt Ion: 85 Resp: 87574

Ion Ratio Lower Upper

85 100

87 31.5 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU027906.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027906.D (-3) (-)

100000

80000

60000

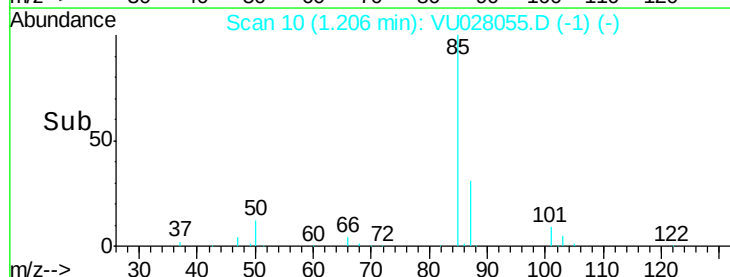
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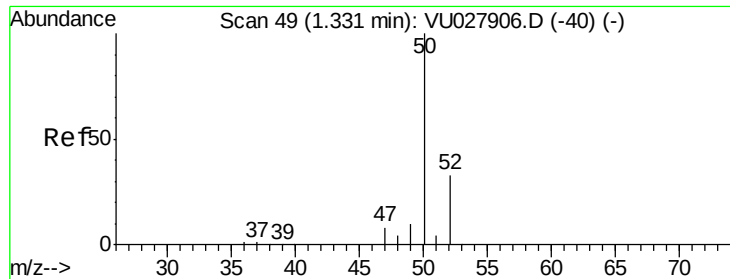
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 52.157 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 134332

Ion Ratio Lower Upper

50 100

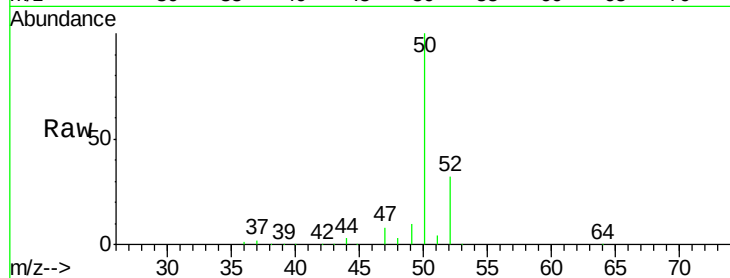
52 32.3 26.2 39.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

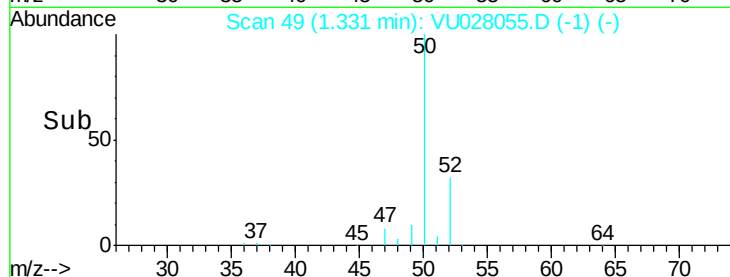
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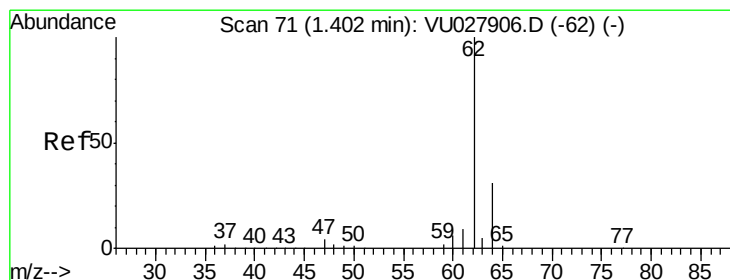
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 47.983 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028055.D

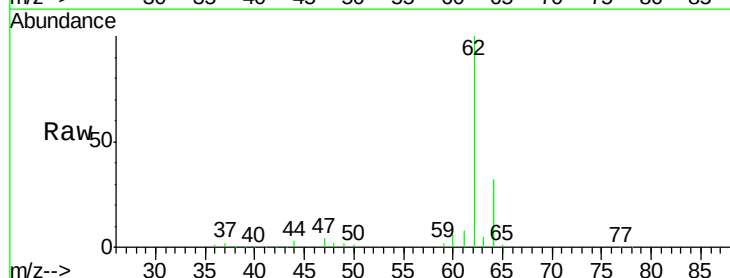
Acq: 12 Nov 2018 11:01

Tgt Ion: 62 Resp: 122656

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

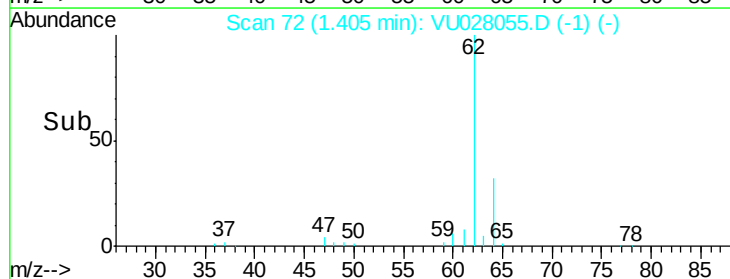
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100000

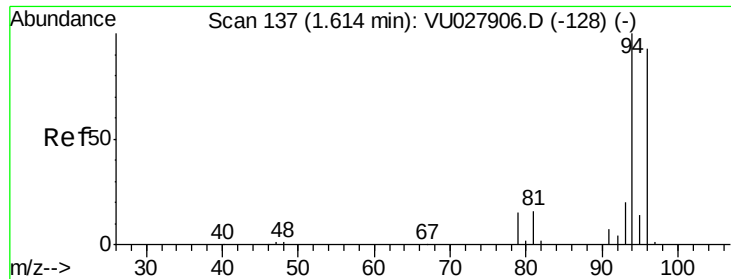
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 53.605 ug/l

RT: 1.62 min Scan# 139

Delta R.T. 0.01 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 57243

Ion Ratio Lower Upper

94 100

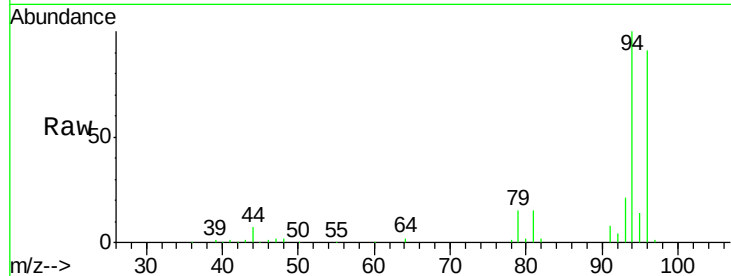
96 91.0 74.8 112.2

Manual Integrations

APPROVED

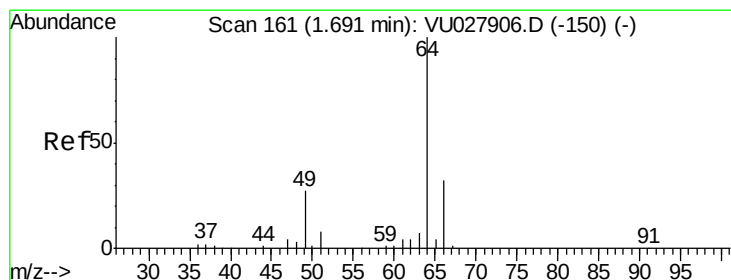
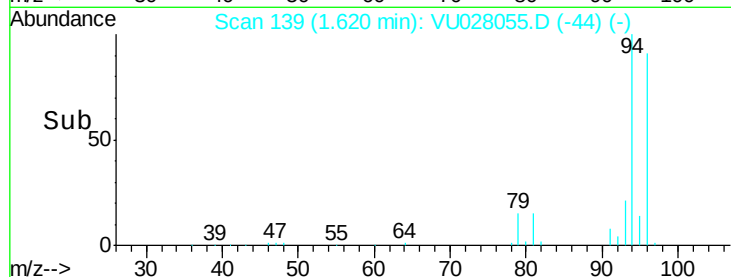
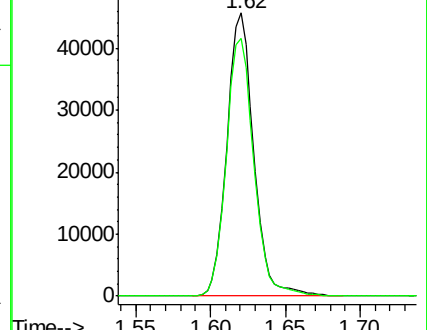
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11/13/2018 12:12:39 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 52.934 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU028055.D

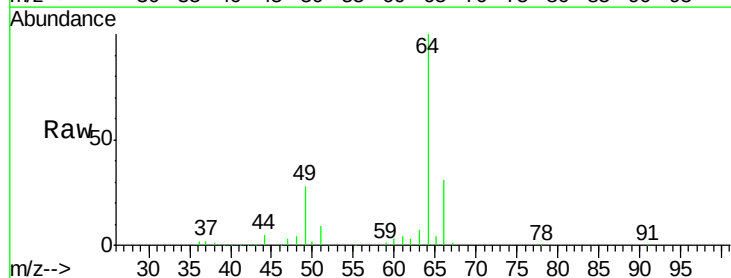
Acq: 12 Nov 2018 11:01

Tgt Ion: 64 Resp: 77978

Ion Ratio Lower Upper

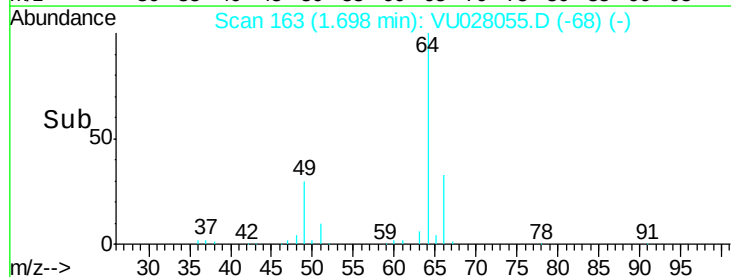
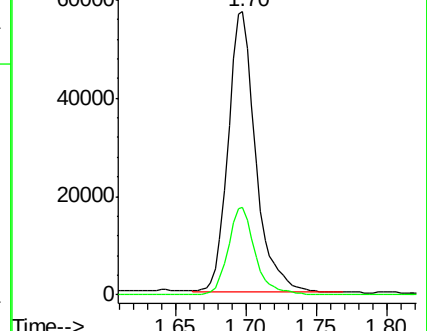
64 100

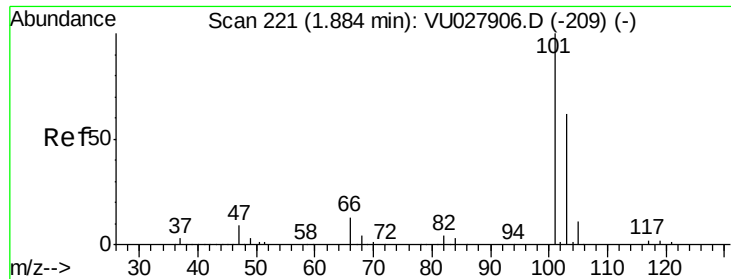
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

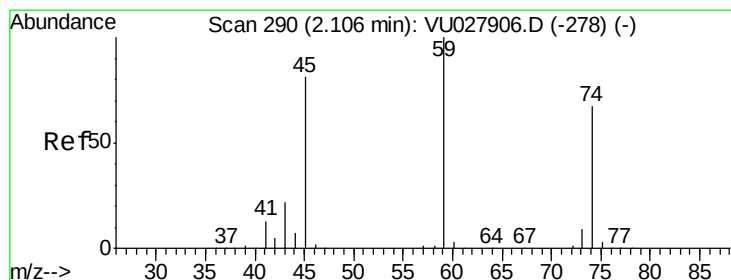
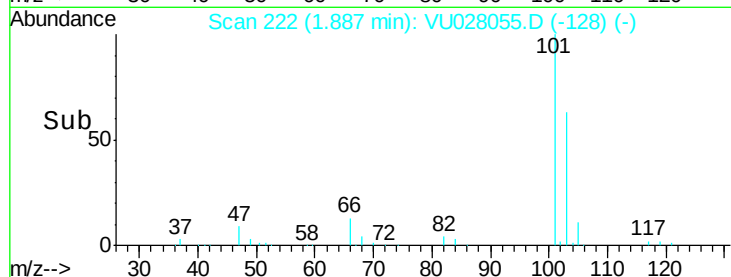
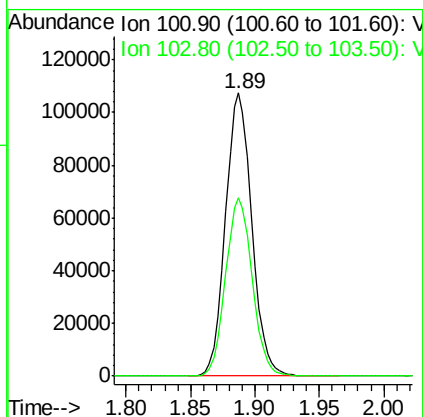
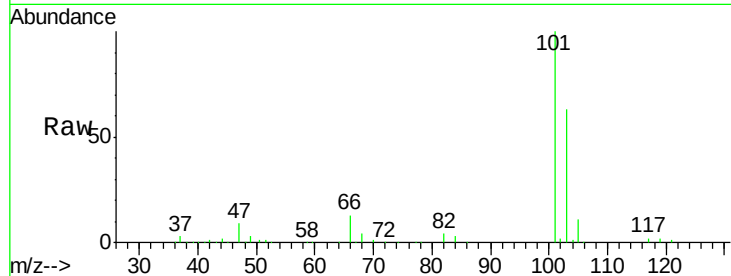
Trichlorofluoromethane
Concen: 51.427 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 101 Resp: 151908
Ion Ratio Lower Upper
101 100
103 63.1 49.4 74.2

Manual Integrations
APPROVED

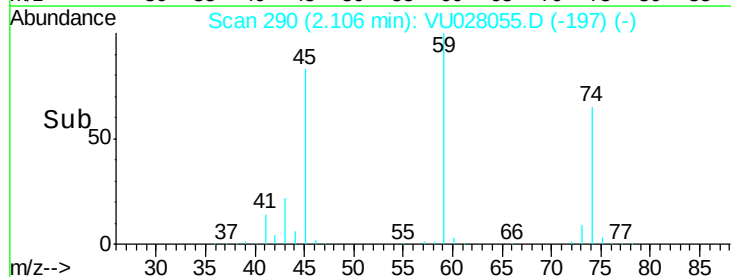
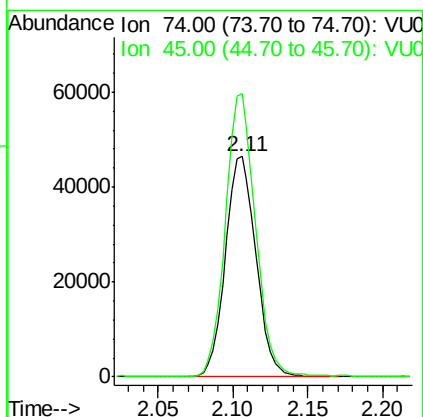
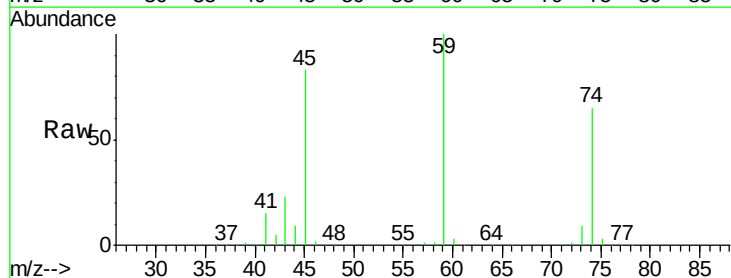
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11/13/2018 12:12:39 PM

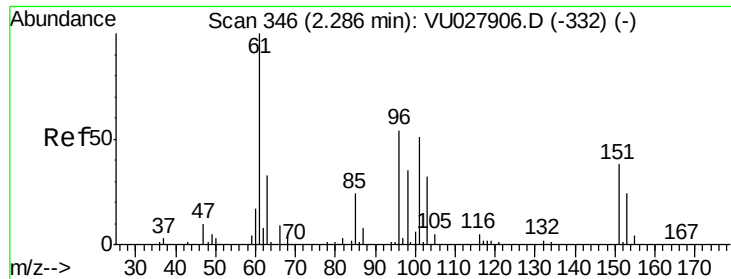


#8

Diethyl Ether
Concen: 52.154 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 74 Resp: 65964
Ion Ratio Lower Upper
74 100
45 127.1 60.5 181.5





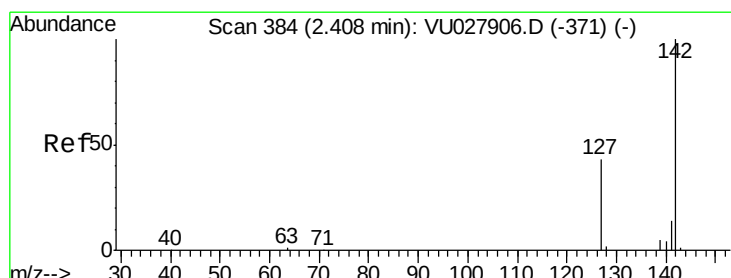
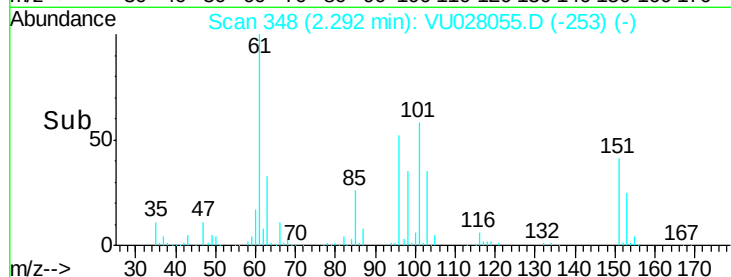
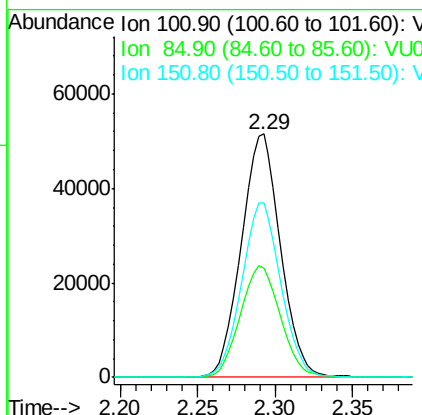
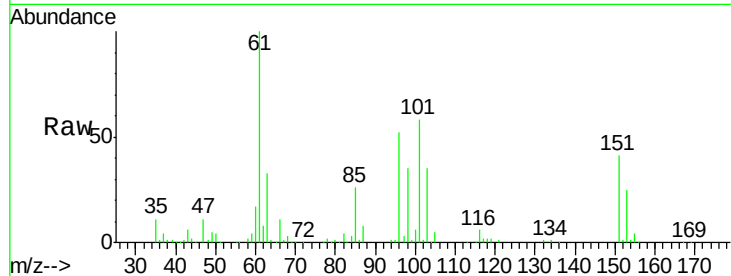
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.923 ug/l
 RT: 2.29 min Scan# 348
 Delta R.T. 0.01 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
101	100		
85	46.7	36.9	55.3
151	71.5	58.0	87.0

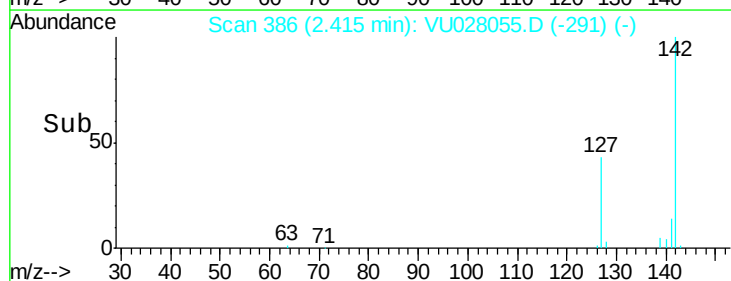
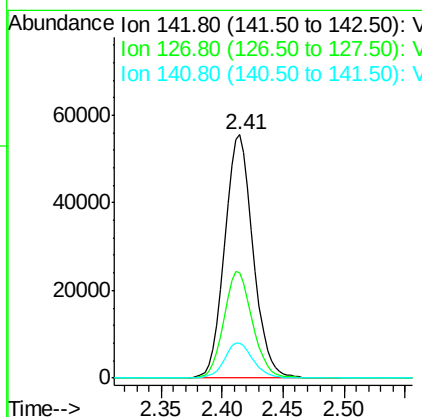
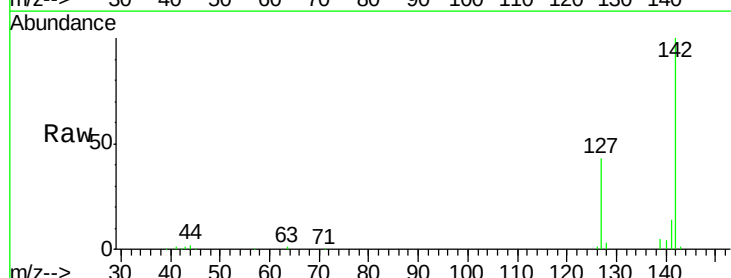
Manual Integrations
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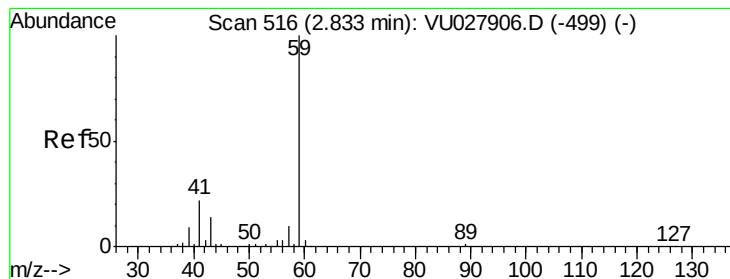
MMDadoda
 11/13/2018 12:12:39 PM



#10
 Methyl Iodide
 Concen: 55.414 ug/l
 RT: 2.41 min Scan# 386
 Delta R.T. 0.01 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
127	44.2	35.2	52.8
141	14.4	11.8	17.8





#11

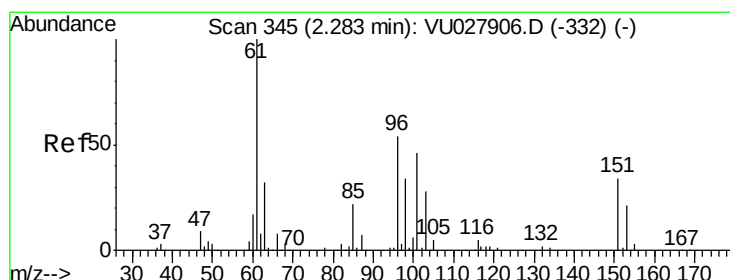
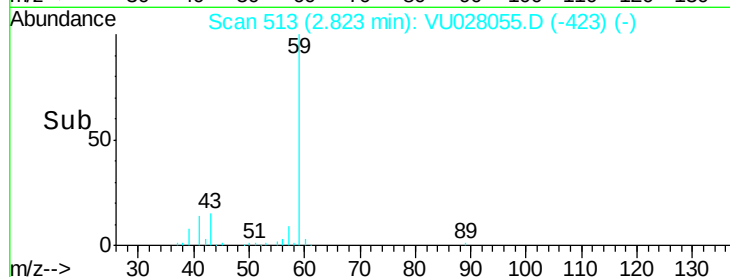
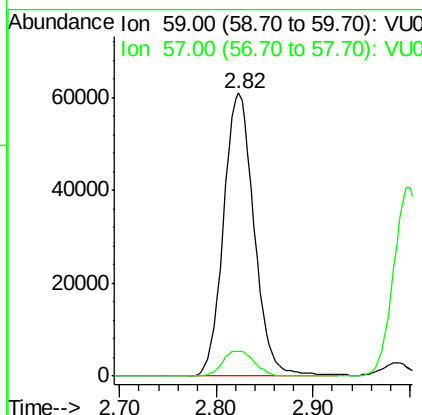
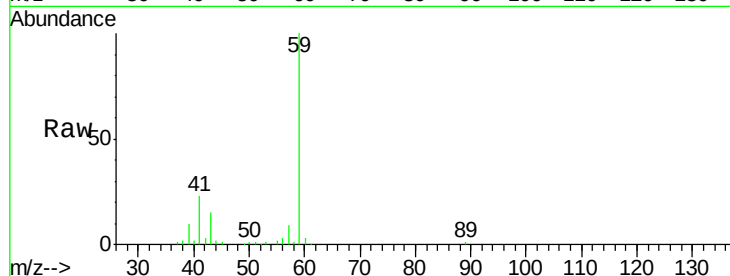
Tert butyl alcohol
Concen: 202.624 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	7.8	11.8

Manual Integrations
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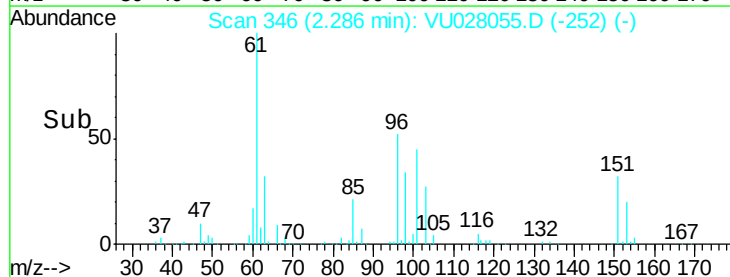
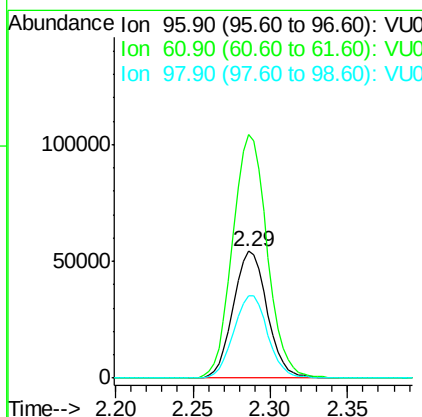
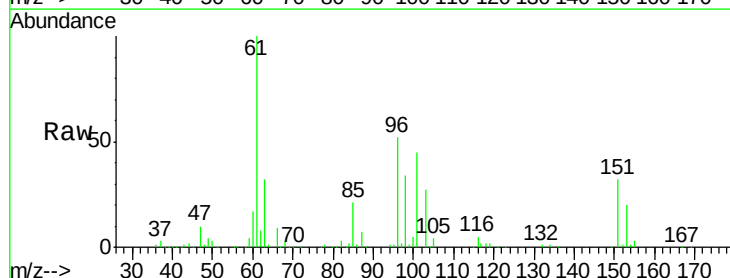
MMDadoda
11/13/2018 12:12:39 PM

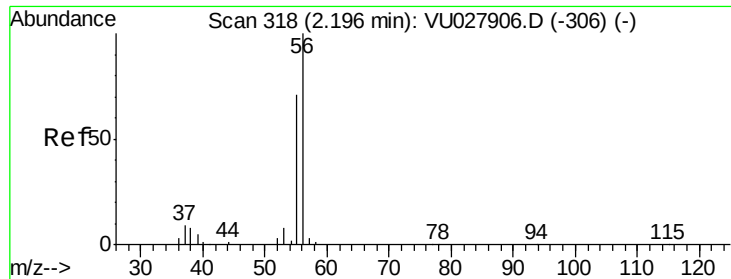


#12

1,1-Dichloroethene
Concen: 47.205 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.7	149.3	223.9
98	64.9	50.6	75.8





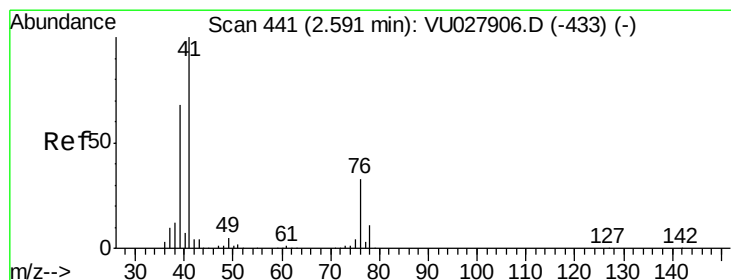
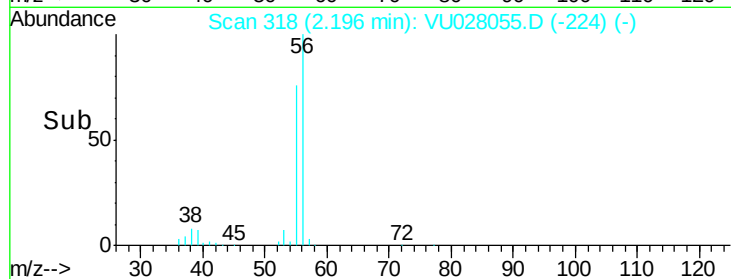
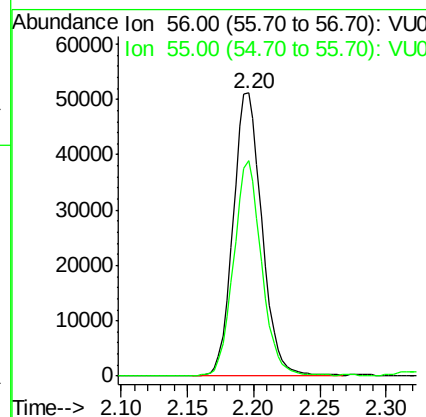
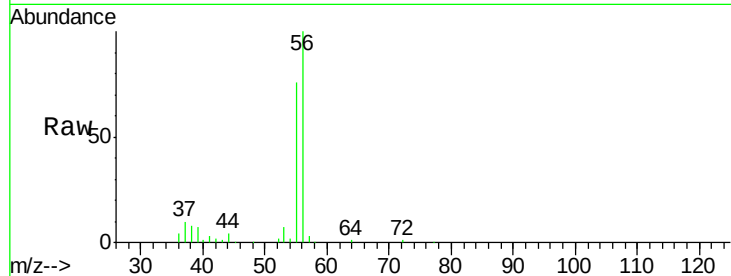
#13
Acrolein
Concen: 321.608 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.2	84.4

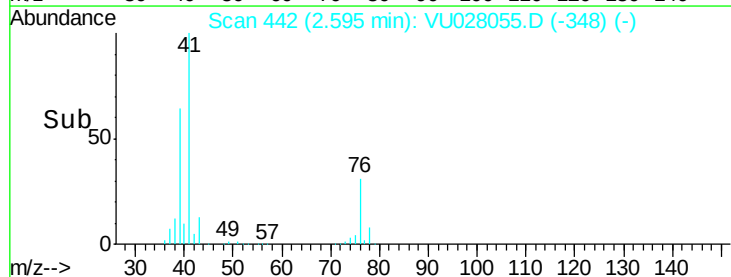
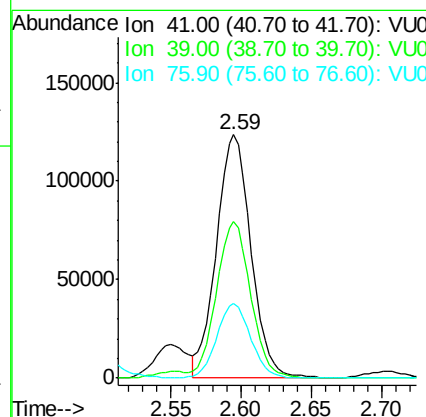
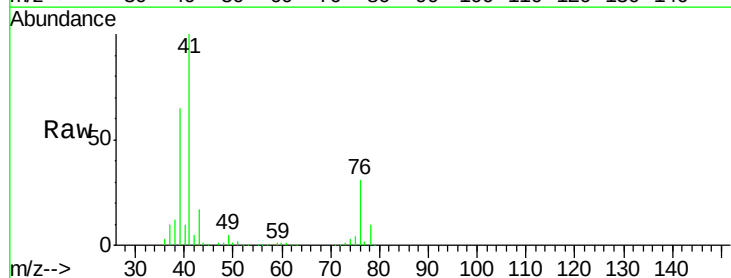
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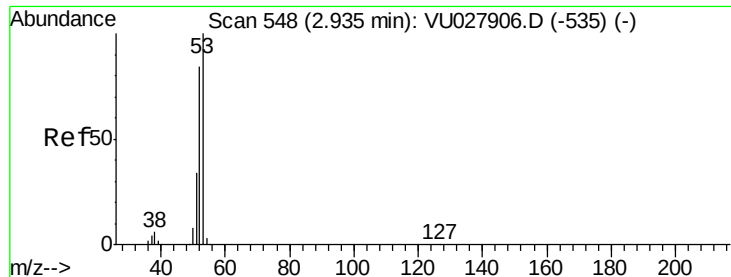
MMDadoda
11/13/2018 12:12:39 PM



#14
Allyl chloride
Concen: 48.729 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.6	51.9	77.9
76	30.4	23.8	35.6





#15

Acrylonitrile

Concen: 246.015 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

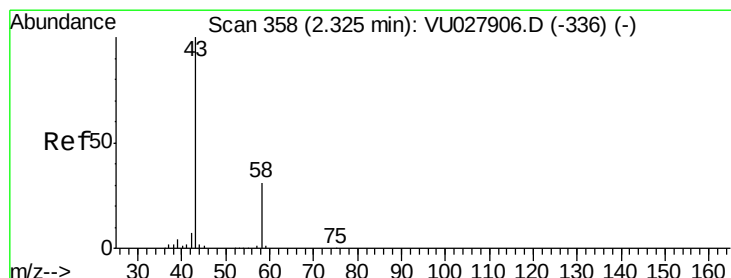
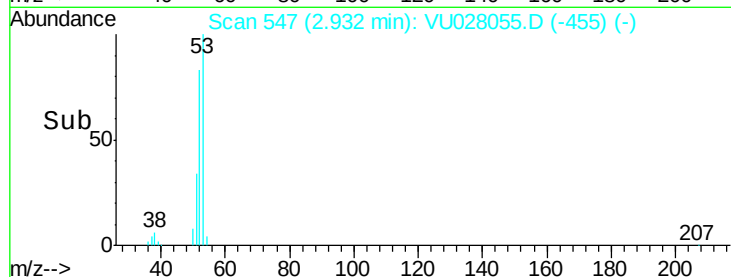
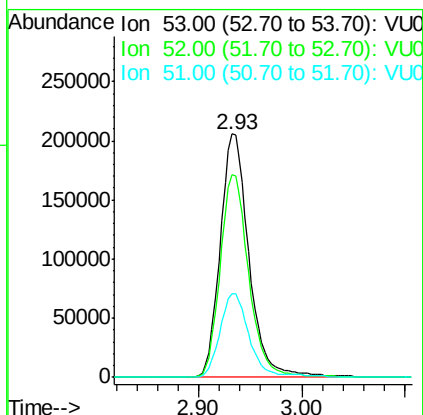
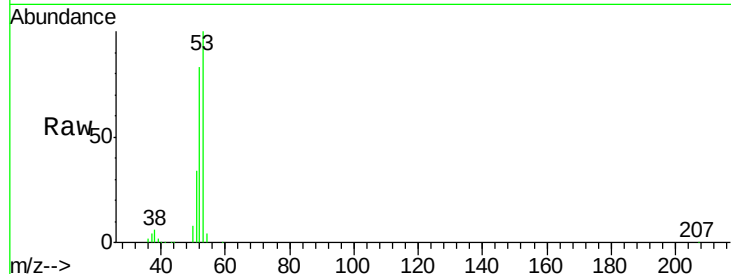
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	398630
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.2	99.2
51	34.1	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 250.241 ug/l

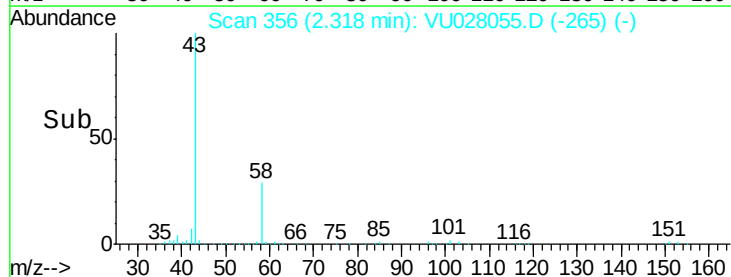
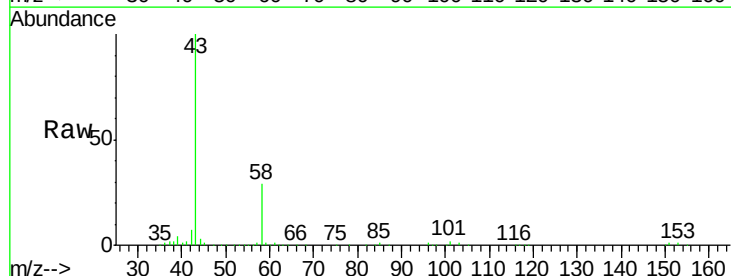
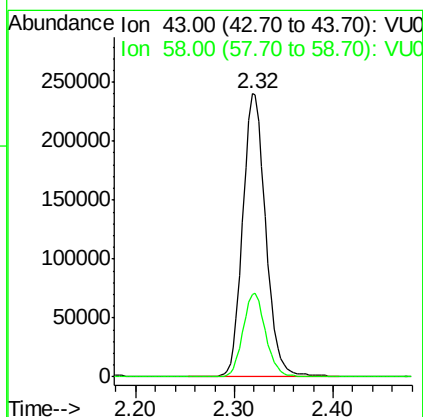
RT: 2.32 min Scan# 356

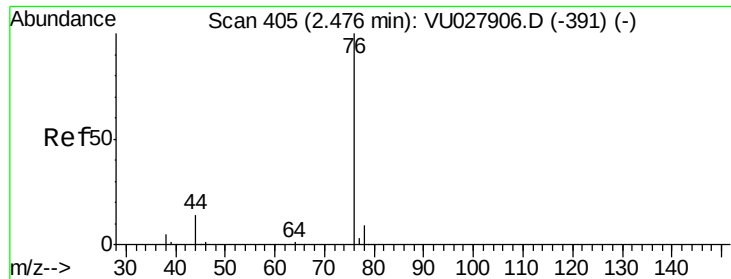
Delta R.T. -0.01 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion:	43	Resp:	386861
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.6	37.0





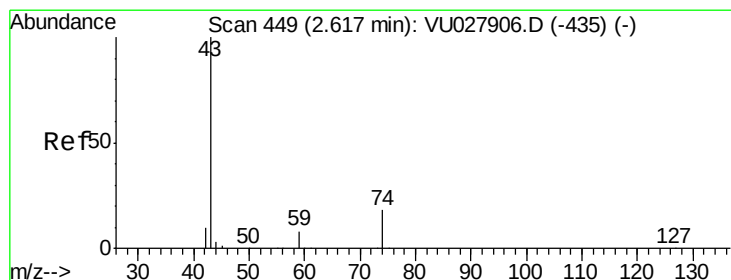
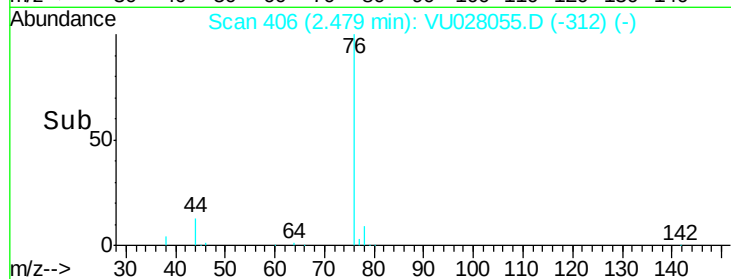
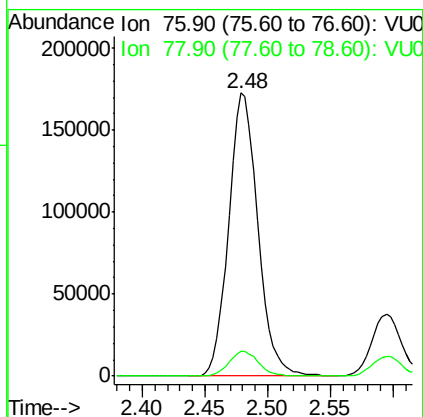
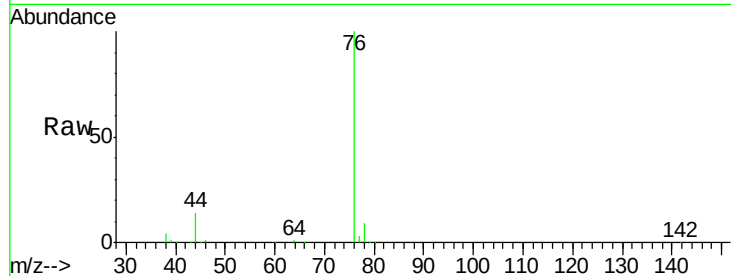
#17
Carbon Disulfide
Concen: 48.762 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

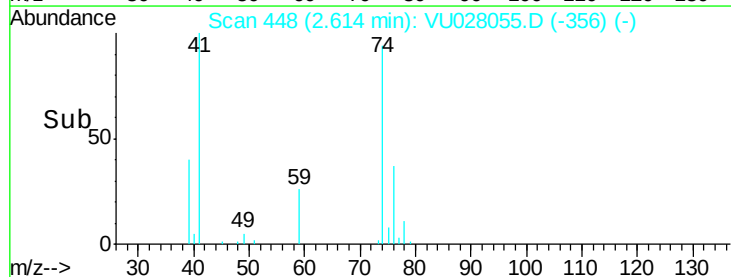
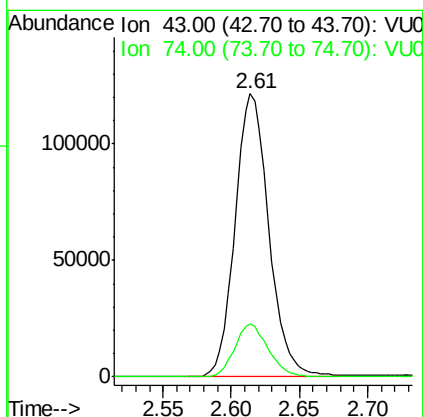
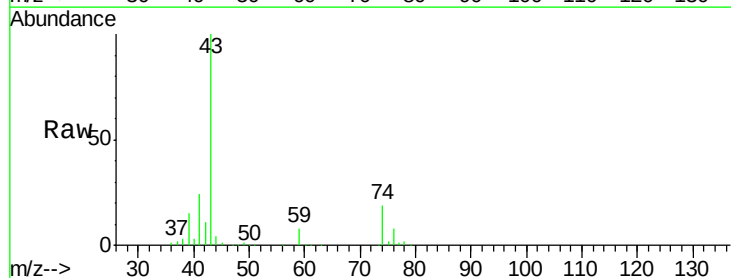
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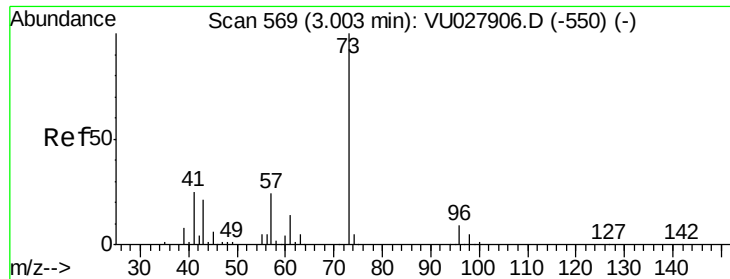
MMDadoda
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#18
Methyl Acetate
Concen: 49.005 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	14.9	22.3





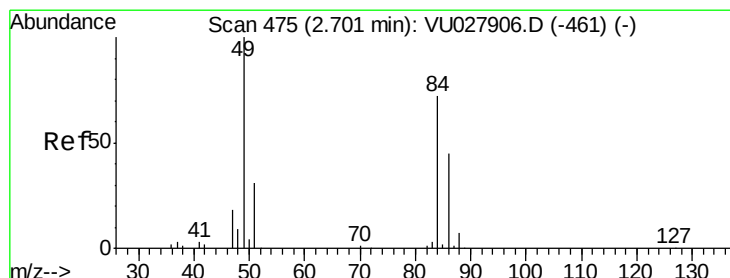
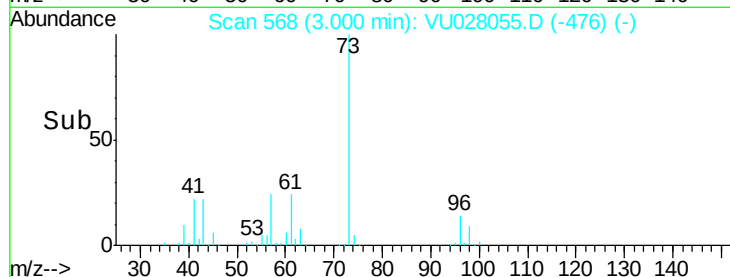
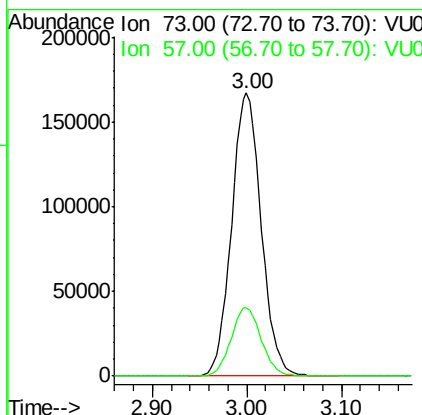
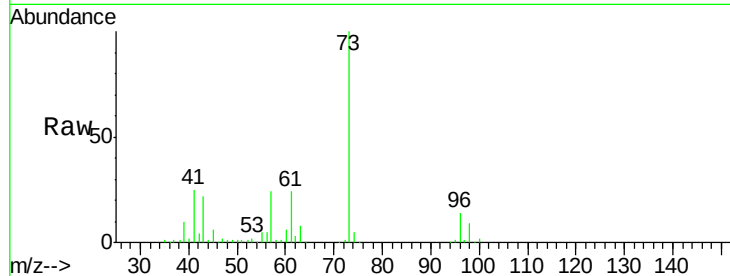
#19
Methyl tert-butyl Ether
Concen: 51.236 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 362929
Ion Ratio Lower Upper
73 100
57 24.3 19.3 28.9

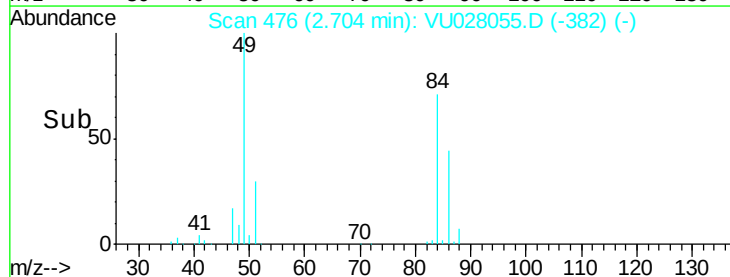
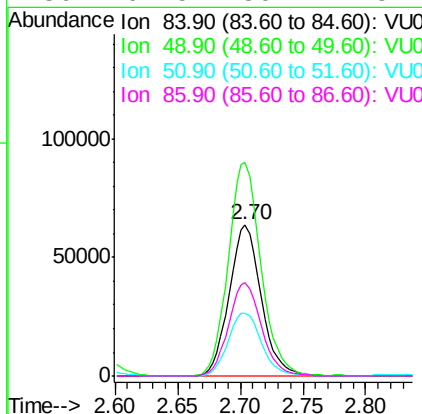
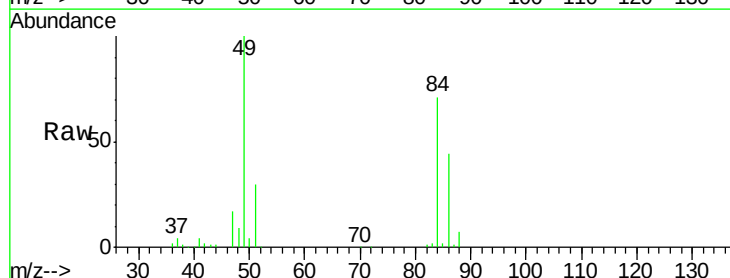
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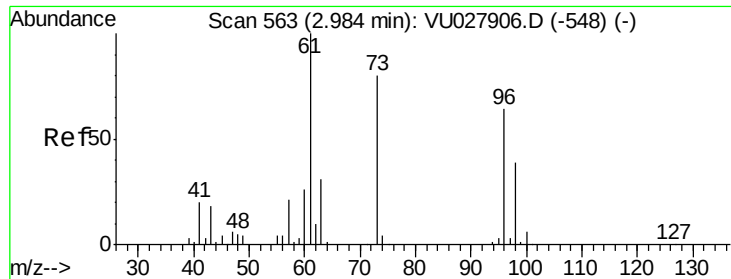
MMDadoda
11/13/2018 12:12:39 PM



#20
Methylene Chloride
Concen: 50.104 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 84 Resp: 113094
Ion Ratio Lower Upper
84 100
49 140.8 111.6 167.4
51 41.6 34.8 52.2
86 61.5 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.240 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 97786

Ion Ratio Lower Upper

96 100

61 161.3 125.0 187.6

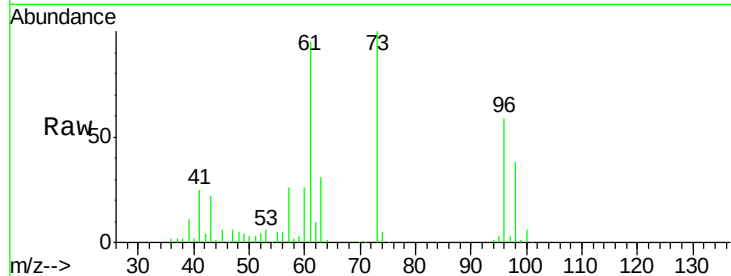
98 64.1 48.2 72.4

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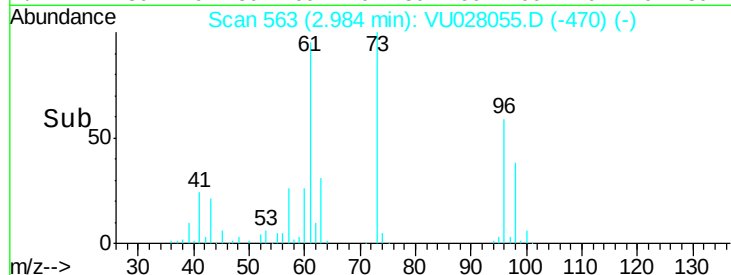


Abundance Ion 95.90 (95.60 to 96.60): VU027906.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU027906.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU027906.D (-548) (-)

Time-->

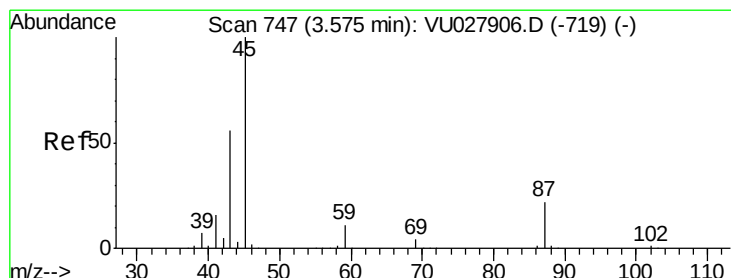


Abundance Ion 95.90 (95.60 to 96.60): VU028055.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU028055.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU028055.D (-470) (-)

Time-->



#22

Diisopropyl ether

Concen: 52.015 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion: 45 Resp: 461002

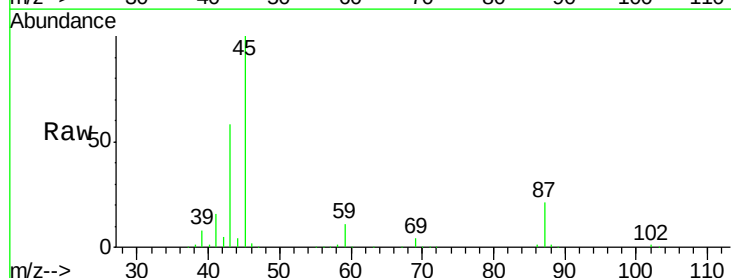
Ion Ratio Lower Upper

45 100

43 57.7 45.0 67.6

87 20.5 17.9 26.9

59 11.3 8.6 12.8



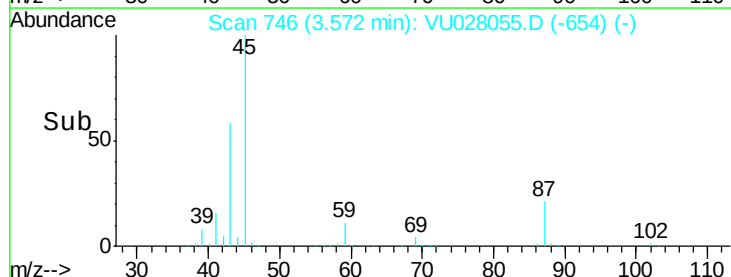
Abundance Ion 45.00 (44.70 to 45.70): VU027906.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU027906.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU027906.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU027906.D (-719) (-)

Time-->



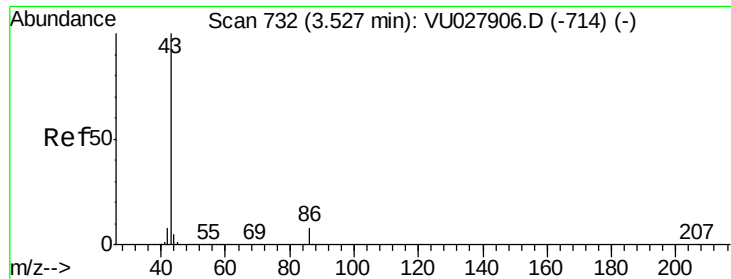
Abundance Ion 45.00 (44.70 to 45.70): VU028055.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU028055.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU028055.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU028055.D (-654) (-)

Time-->



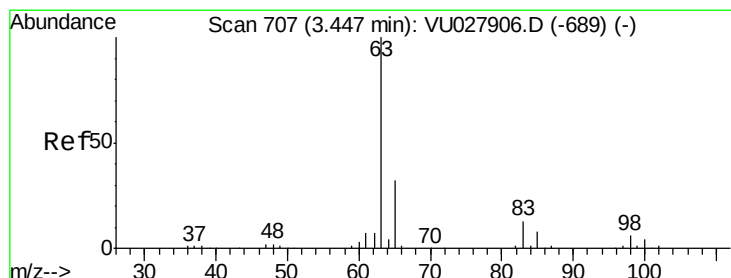
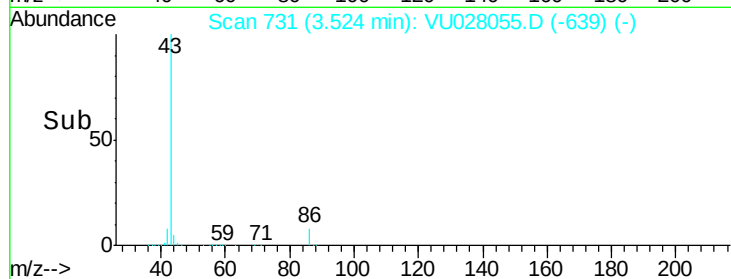
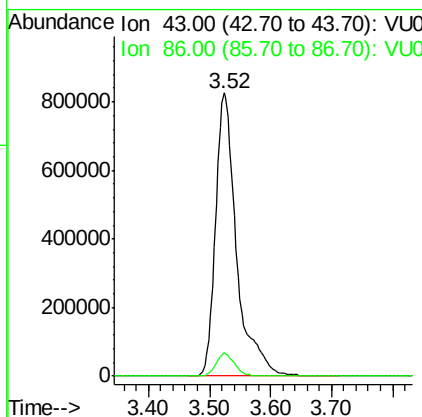
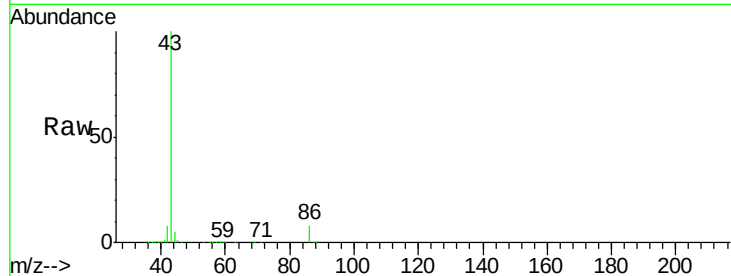
#23
 Vinyl Acetate
 Concen: 260.467 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 1983978
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.6 9.8

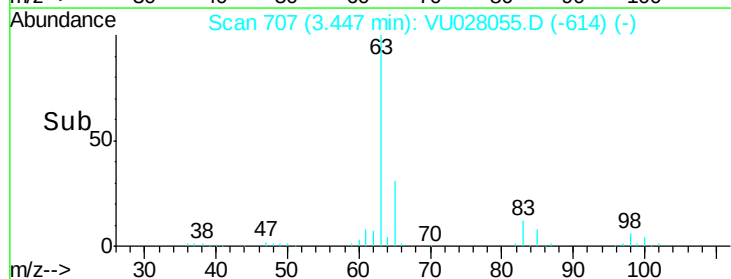
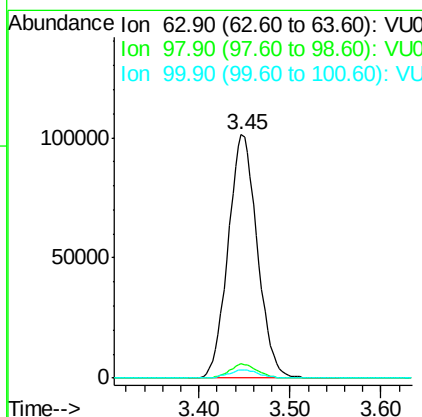
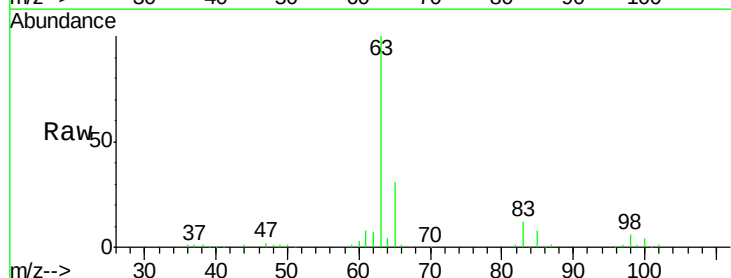
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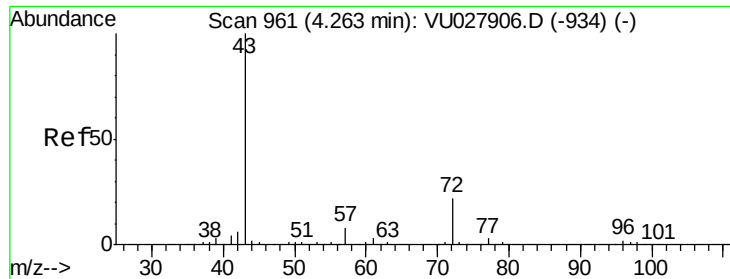
MMDadoda
 11/13/2018 12:12:39 PM



#24
 1,1-Dichloroethane
 Concen: 51.117 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion: 63 Resp: 225662
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 245.403 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 603561

Ion Ratio Lower Upper

43 100

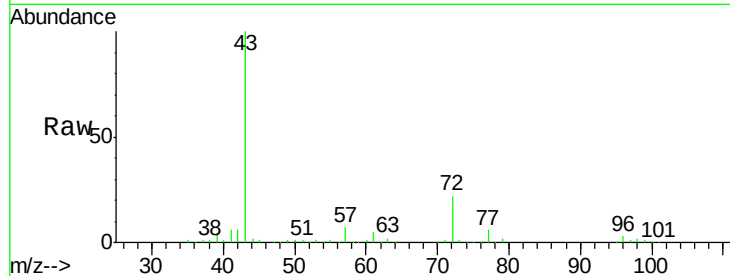
72 21.7 17.7 26.5

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Abundance Ion 43.00 (42.70 to 43.70): VU027906.D (-934) (-)

Ion 72.00 (71.70 to 72.70): VU027906.D (-934) (-)

250000

200000

150000

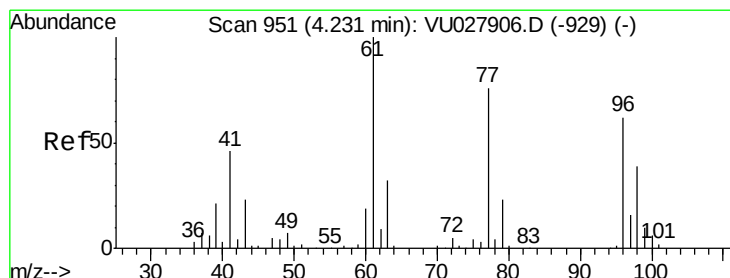
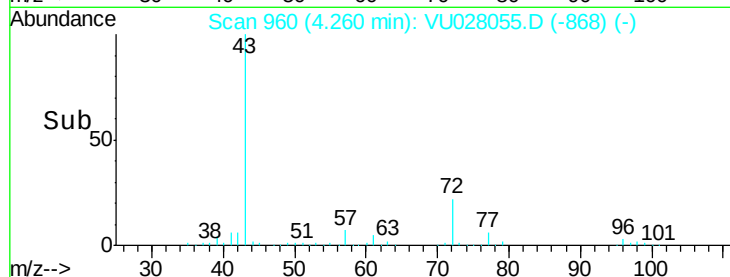
100000

50000

0

4.10 4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 54.365 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU028055.D

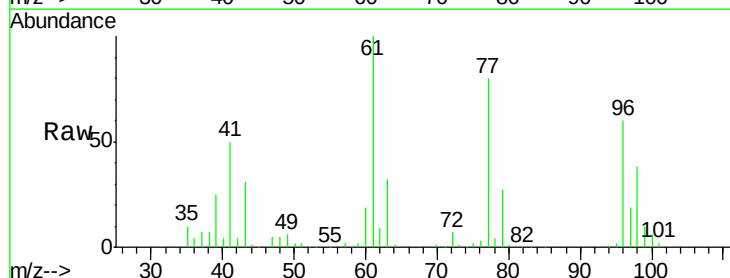
Acq: 12 Nov 2018 11:01

Tgt Ion: 77 Resp: 180109

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU027906.D (-929) (-)

Ion 96.90 (96.60 to 97.60): VU027906.D (-929) (-)

60000

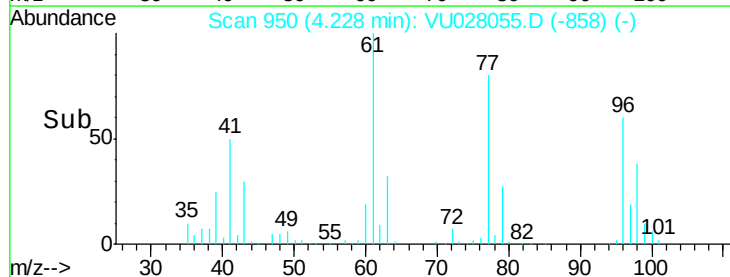
40000

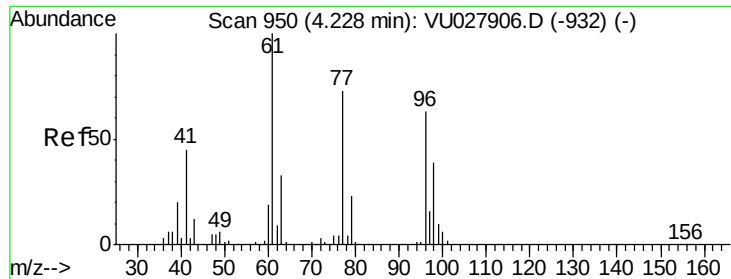
20000

0

4.10 4.20 4.30

Time-->





#27

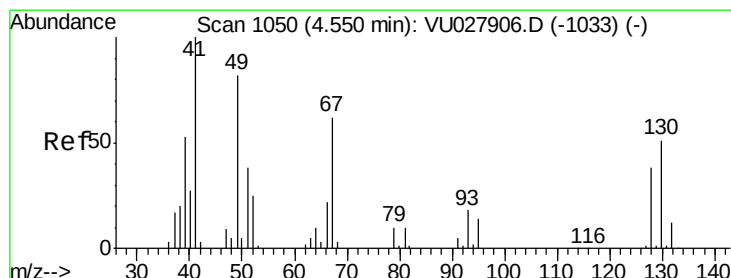
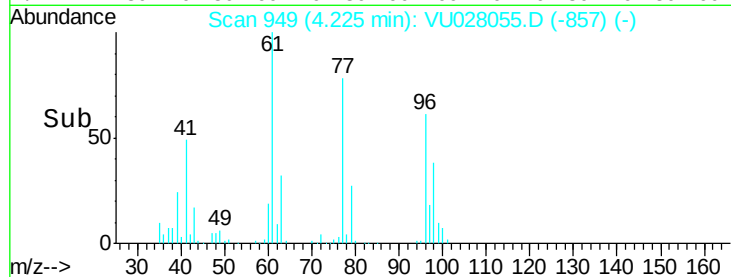
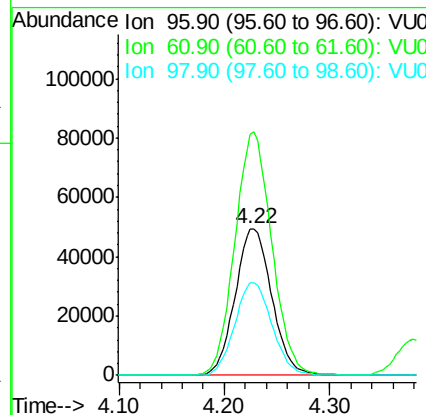
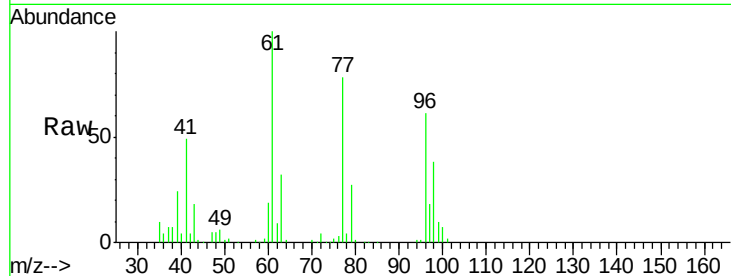
cis-1,2-Dichloroethene
Concen: 52.343 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118981		
61	167.8	0.0	329.6	
98	64.3	0.0	127.2	

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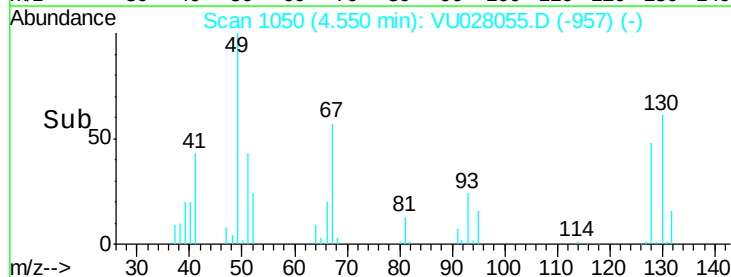
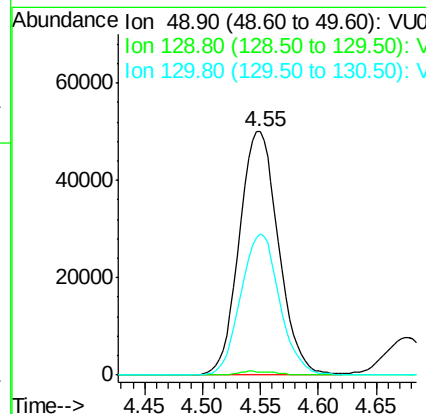
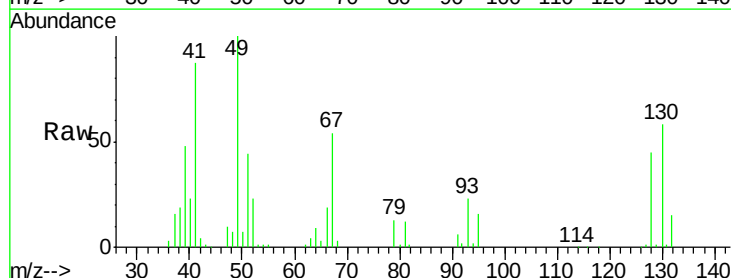
MMDadoda
11/13/2018 12:12:39 PM

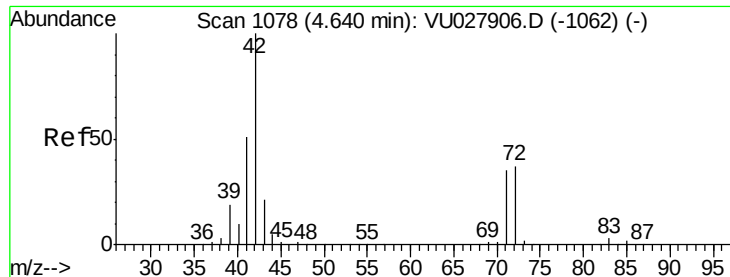


#28

Bromochloromethane
Concen: 56.959 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117880		
129	1.4	0.0	3.0	
130	57.3	47.8	71.6	





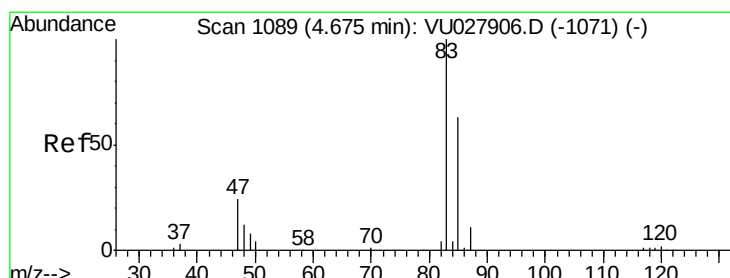
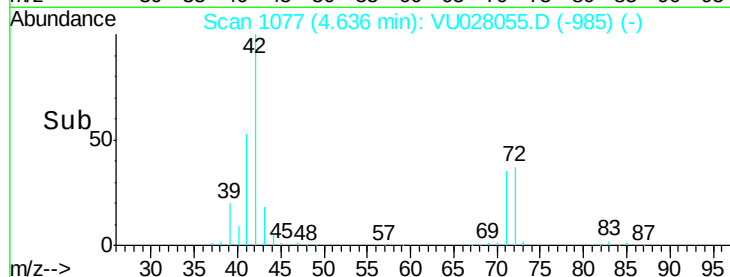
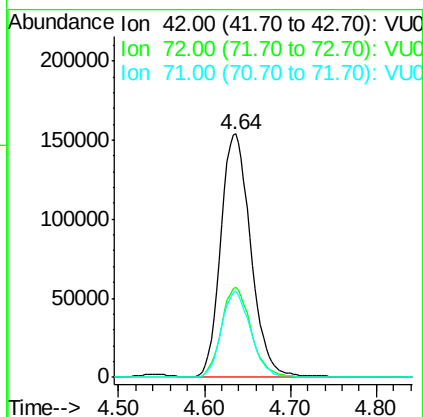
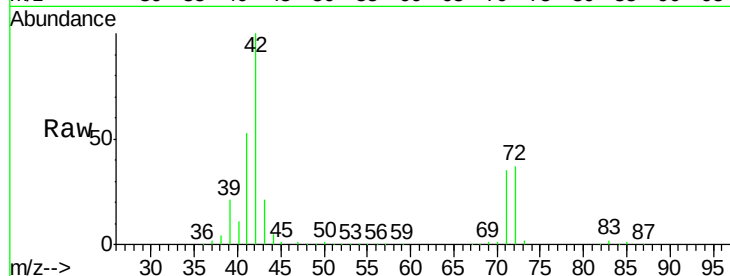
#29
Tetrahydrofuran
Concen: 226.304 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.4	44.0
71	34.7	27.9	41.9

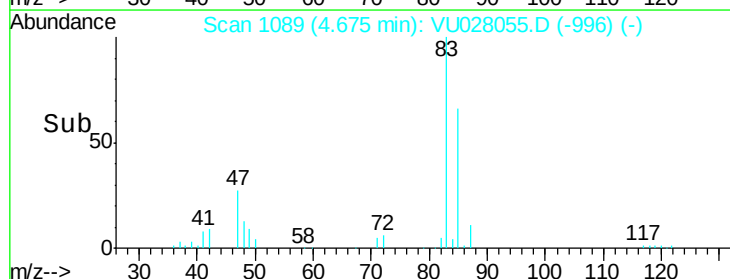
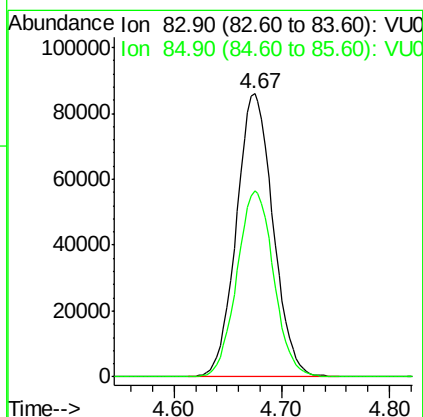
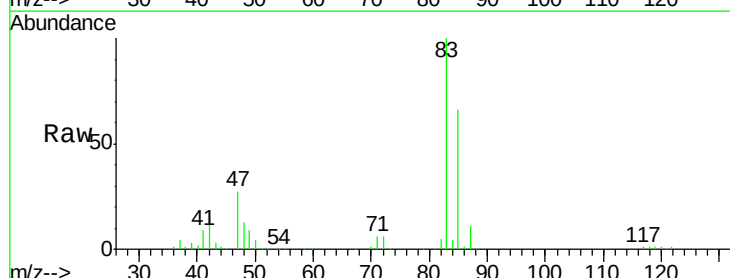
Manual Integrations
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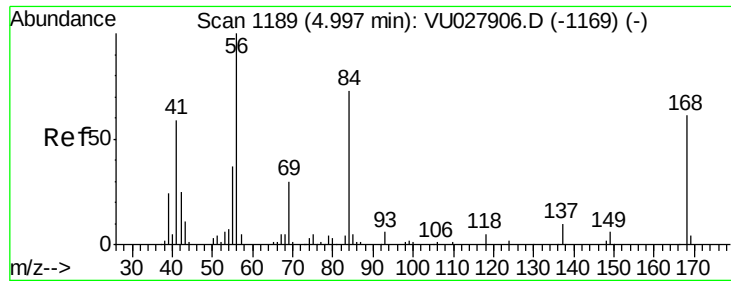
MMDadoda
11/13/2018 12:12:39 PM



#30
Chloroform
Concen: 50.191 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	76.0





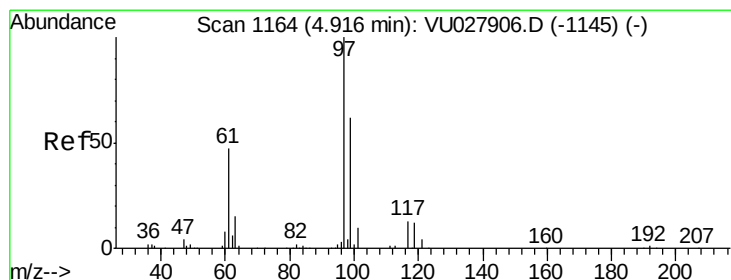
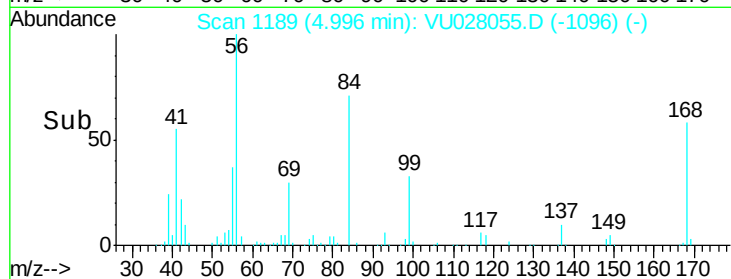
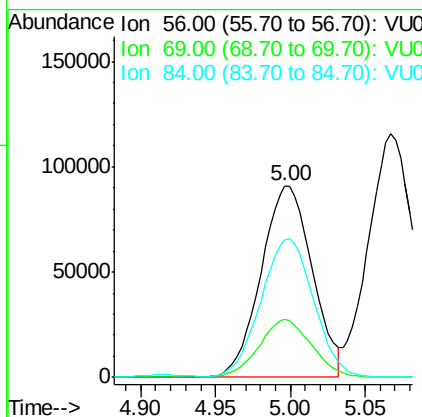
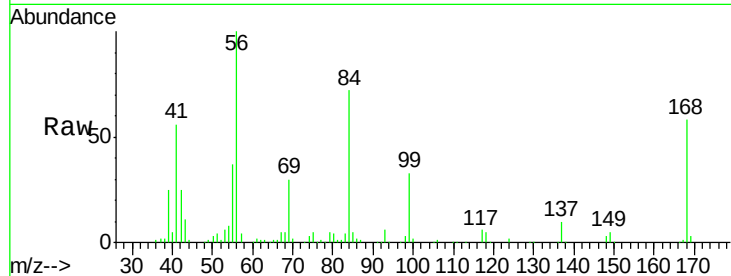
#31
Cyclohexane
Concen: 49.883 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.7	35.5
84	71.0	58.2	87.4

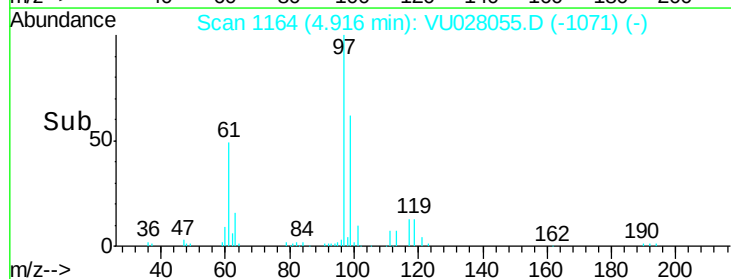
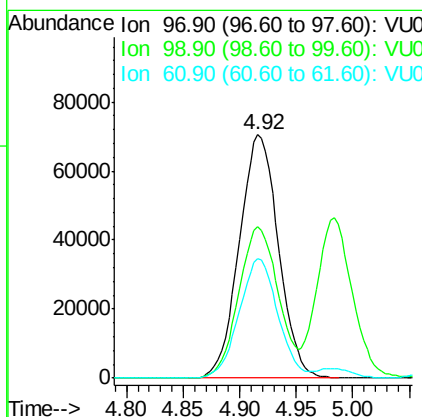
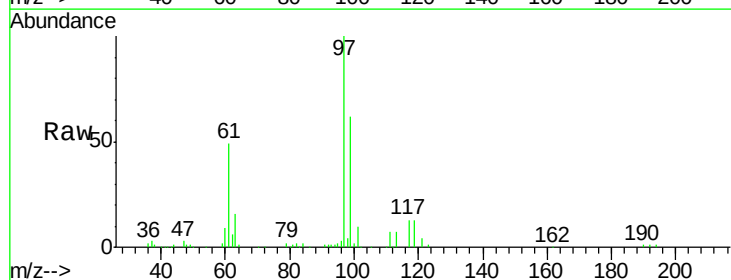
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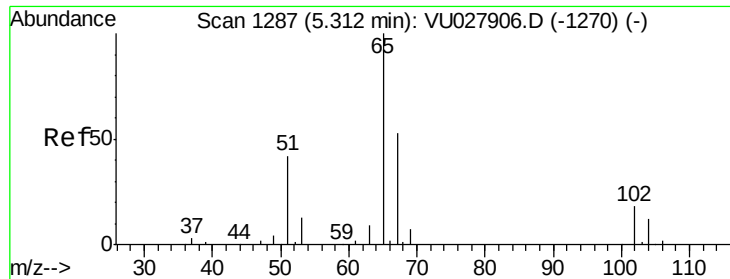
MMDadoda
11/13/2018 12:12:39 PM



#32
1,1,1-Trichloroethane
Concen: 52.735 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	50.5	75.7
61	48.5	38.3	57.5





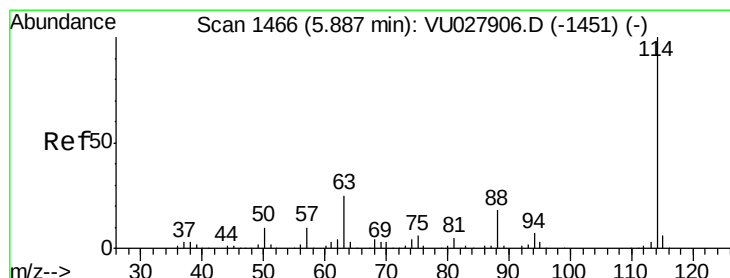
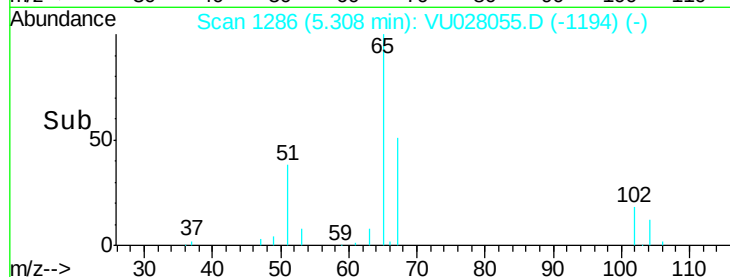
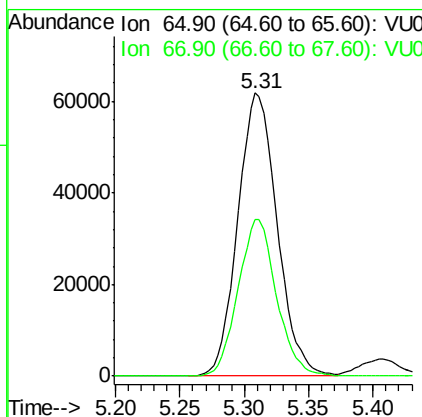
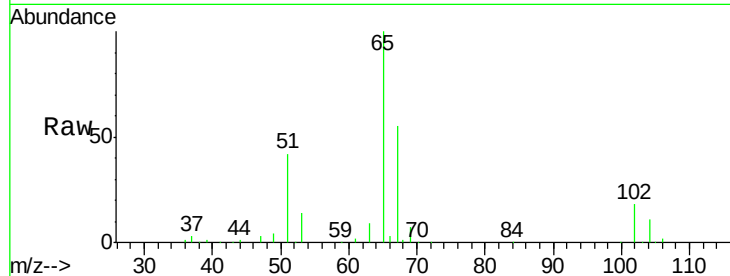
#33
 1,2-Dichloroethane-d4
 Concen: 52.762 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	131467		
67	54.0	0.0	109.0	

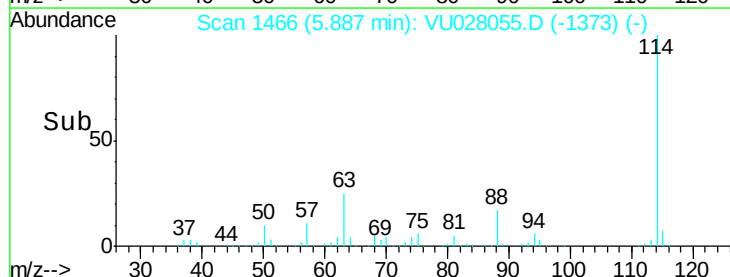
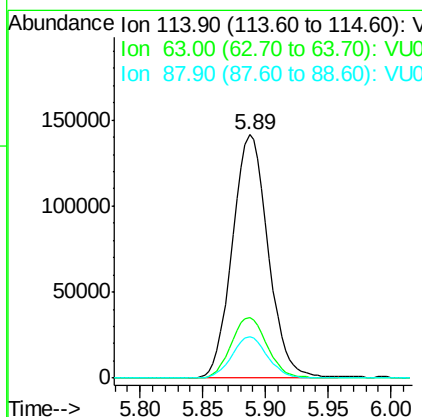
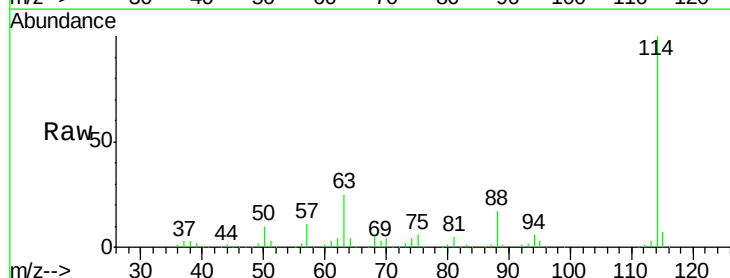
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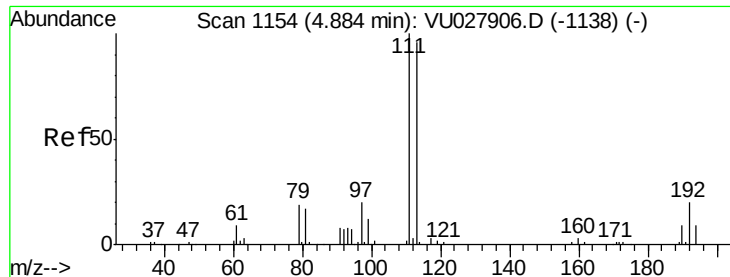
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280970		
63	24.9	0.0	50.8	
88	16.9	0.0	35.8	





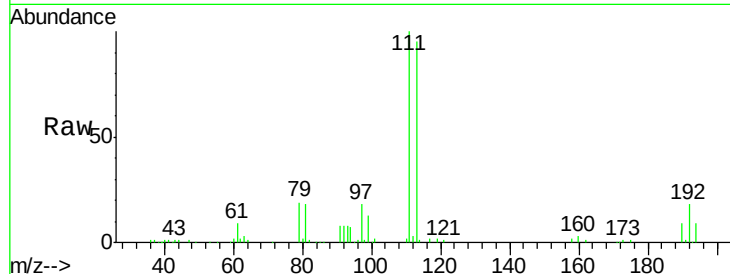
#35
 Dibromofluoromethane
 Concen: 53.030 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

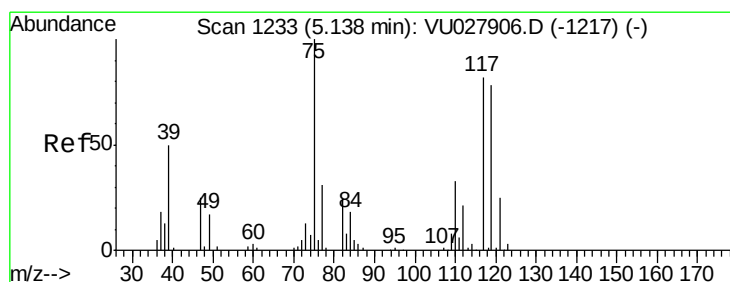
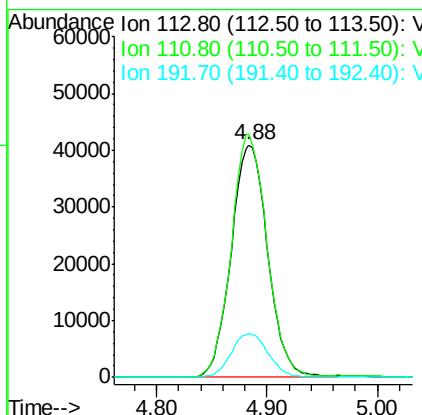
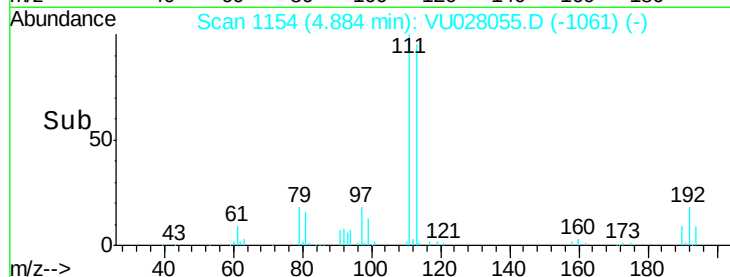
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	93945		
111	102.4	83.0	124.6	
192	19.0	15.6	23.4	

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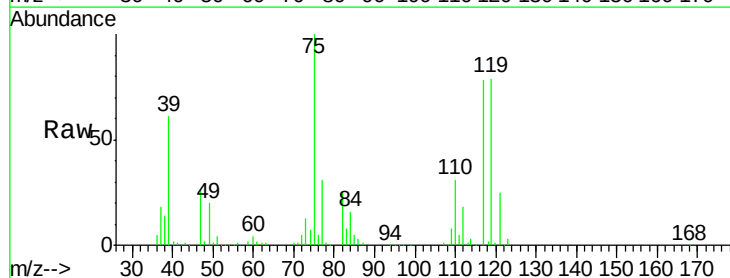


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

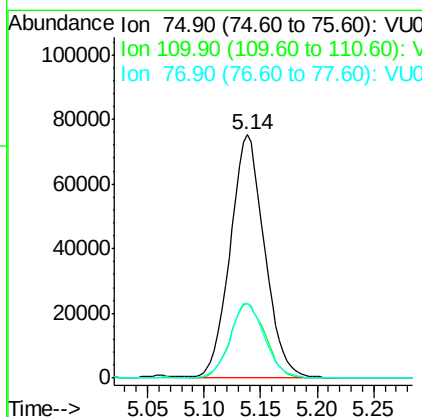
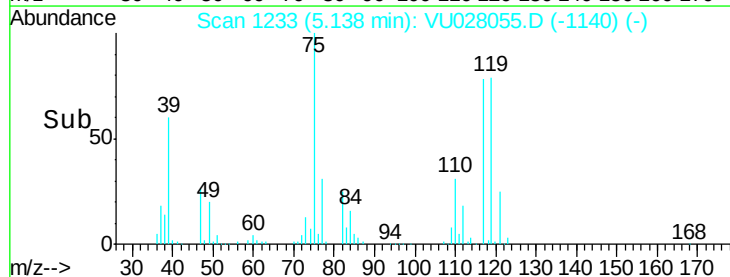


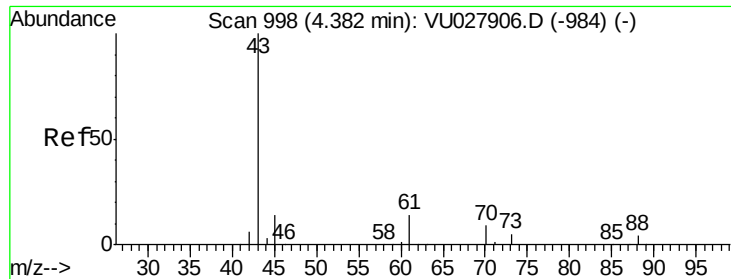
#36
 1,1-Dichloropropene
 Concen: 53.446 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	157274		
110	31.8	16.5	49.5	
77	30.9	24.9	37.3	



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





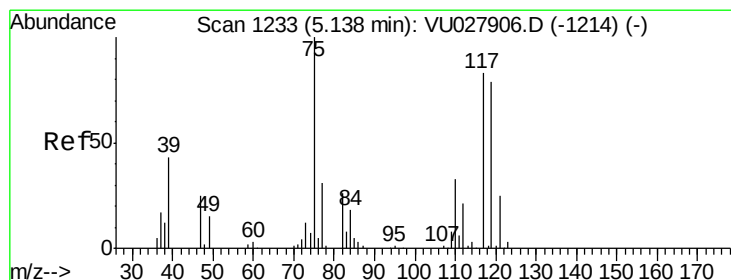
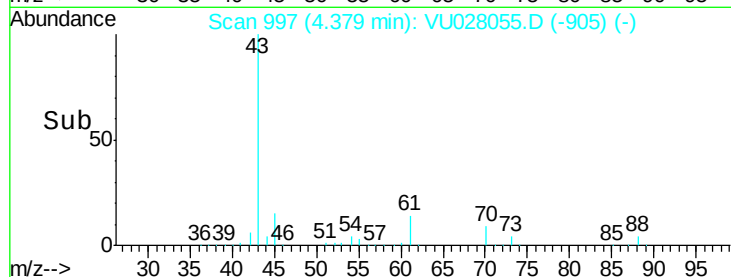
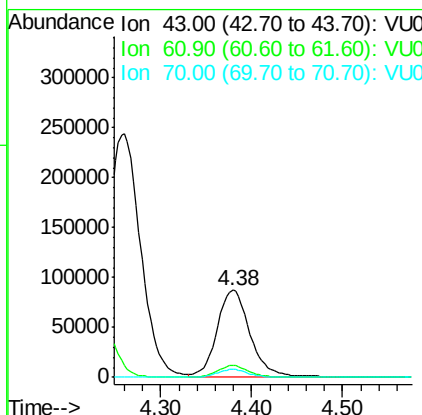
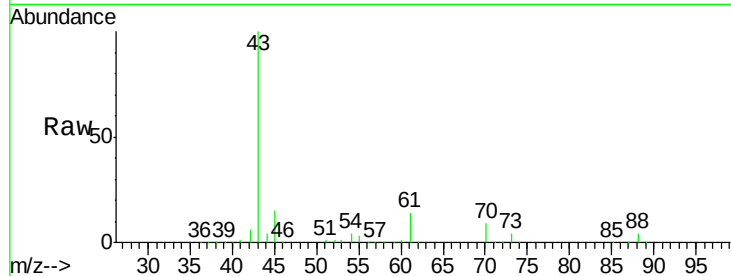
#37
Ethyl Acetate
Concen: 50.271 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.3	15.5
70	8.7	7.0	10.6

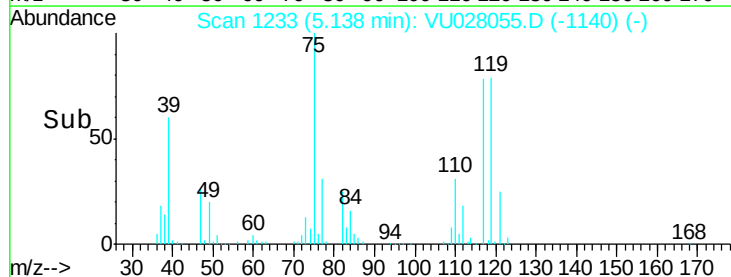
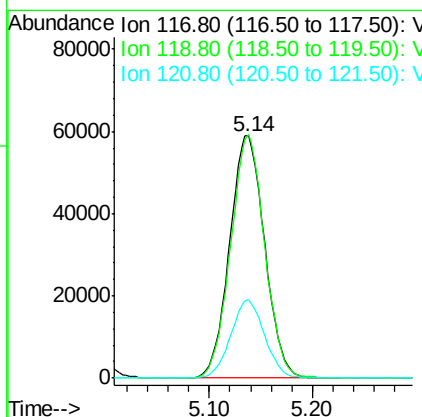
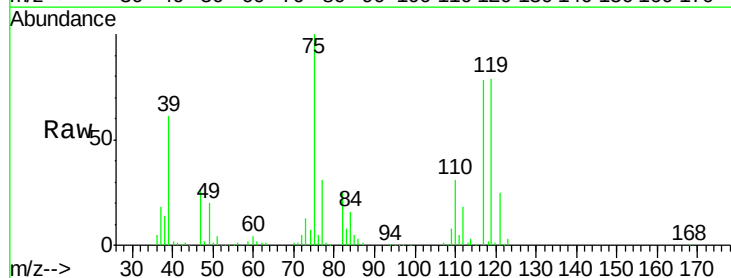
Manual Integrations
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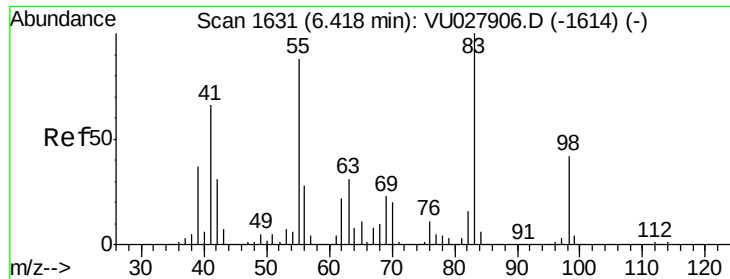
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#38
Carbon Tetrachloride
Concen: 53.357 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.5	76.0	114.0
121	32.3	24.5	36.7





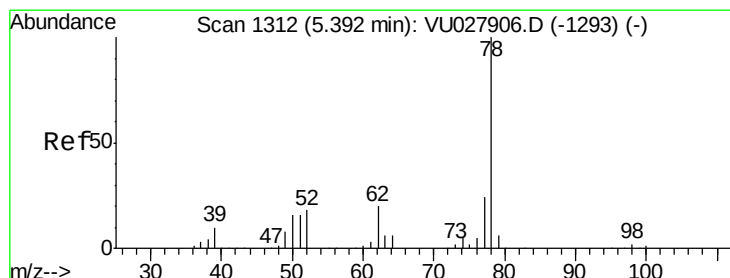
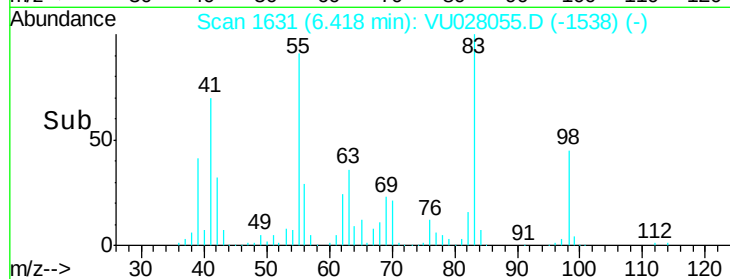
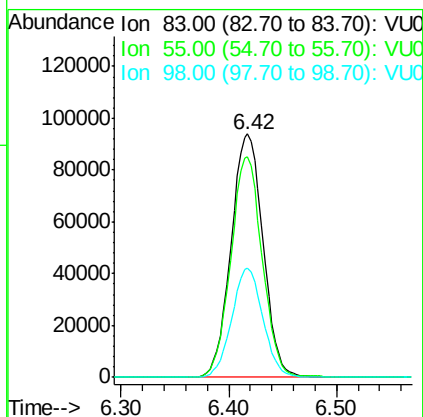
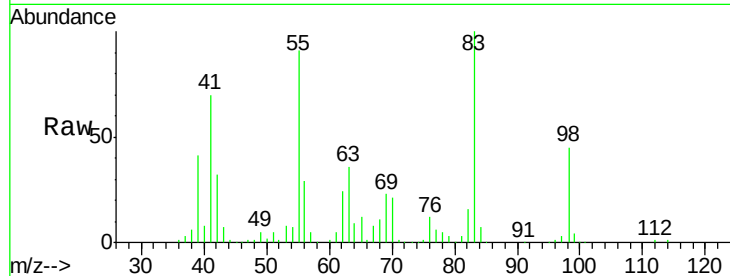
#39
Methylcyclohexane
Concen: 54.676 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.8	70.3	105.5
98	45.1	34.0	51.0

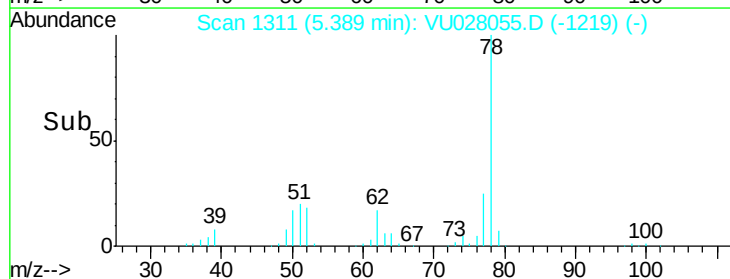
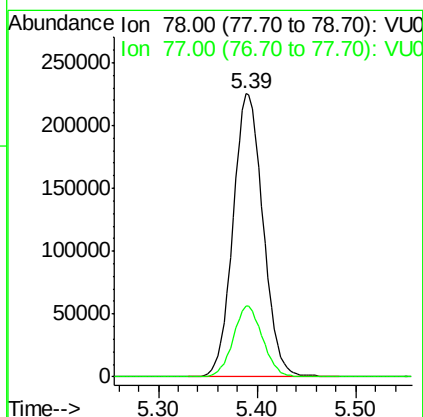
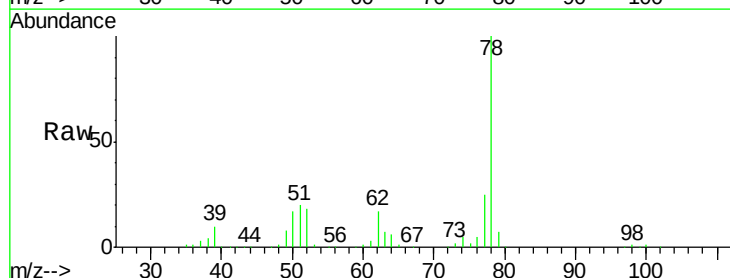
Manual Integrations
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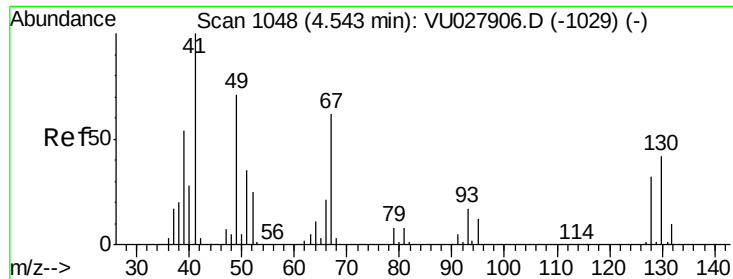
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11/13/2018 12:12:39 PM



#40
Benzene
Concen: 53.041 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.3	28.9





#41

Methacrylonitrile

Concen: 52.760 ug/l

RT: 4.54 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

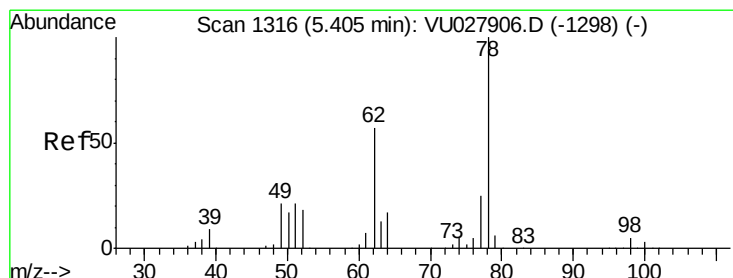
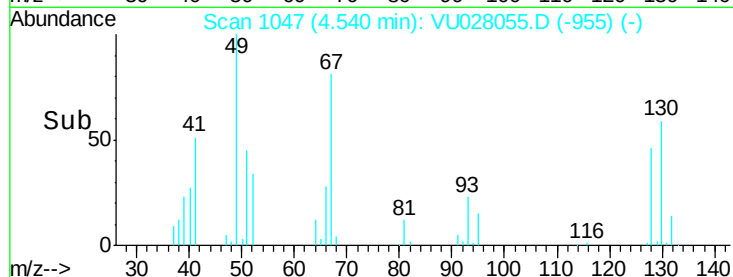
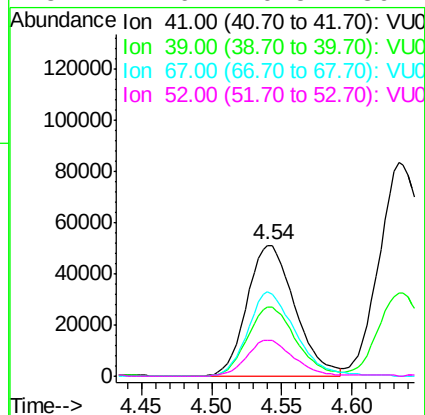
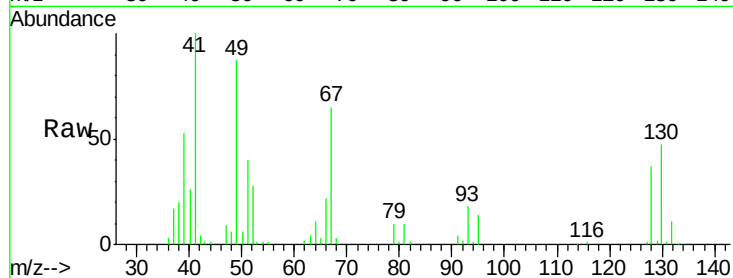
ClientSampleId :

VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.9	42.2	63.4	
67	63.9	49.5	74.3	
52	27.6	20.5	30.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.662 ug/l

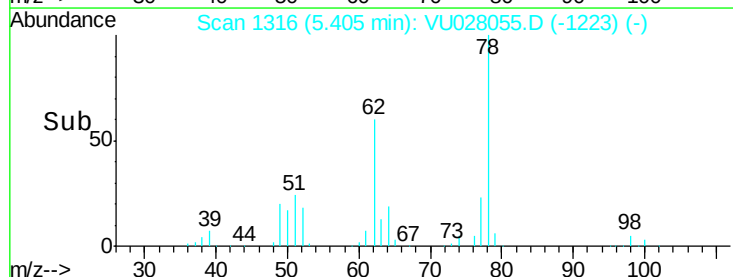
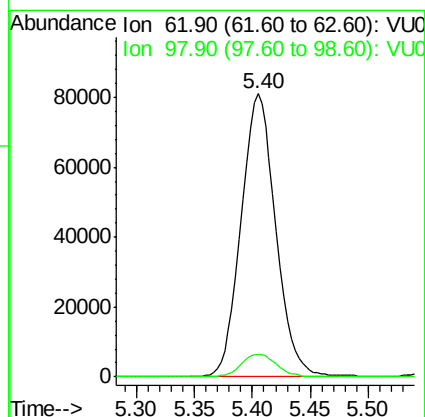
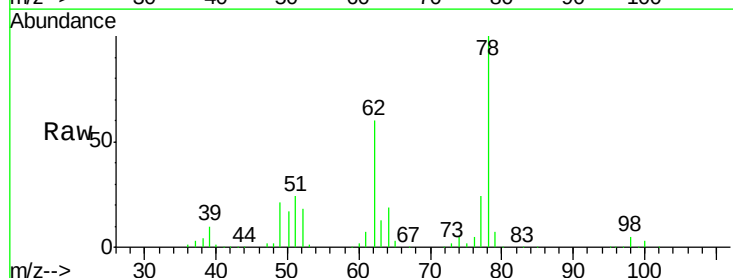
RT: 5.40 min Scan# 1316

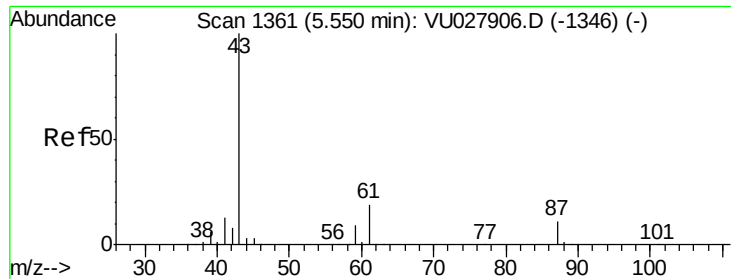
Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.2	





#43

Isopropyl Acetate

Concen: 52.050 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

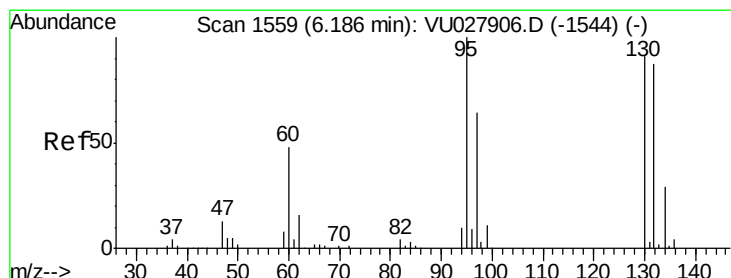
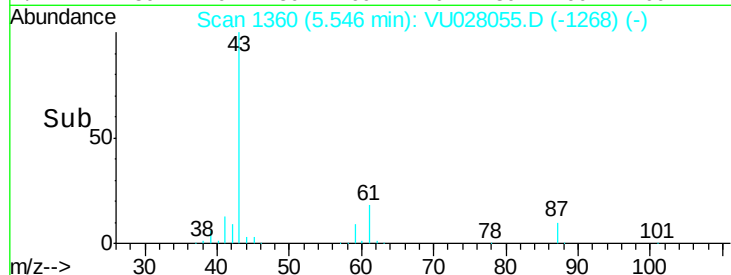
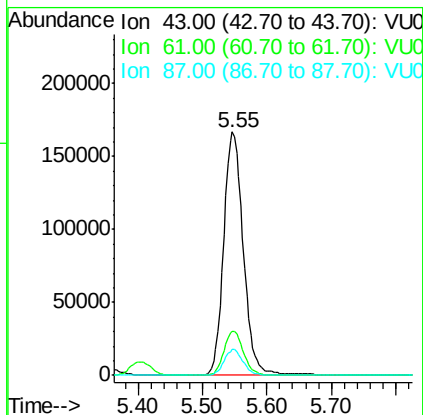
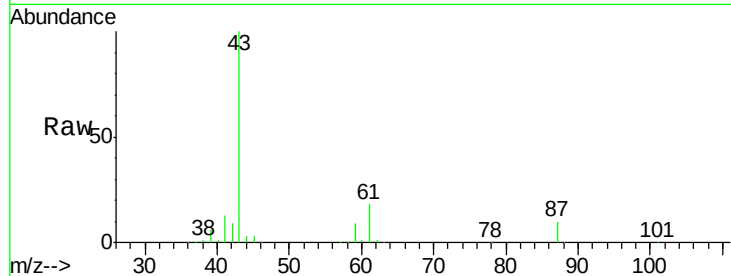
ClientSampleId :

VSTDCCC050

Tgt Ion:	43	Resp:	351607
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.0	22.4
87	10.3	8.6	12.8

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#44

Trichloroethene

Concen: 53.823 ug/l

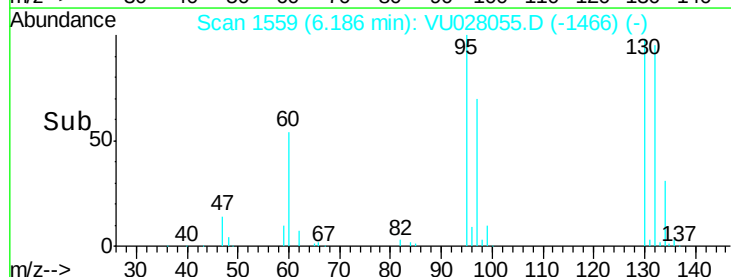
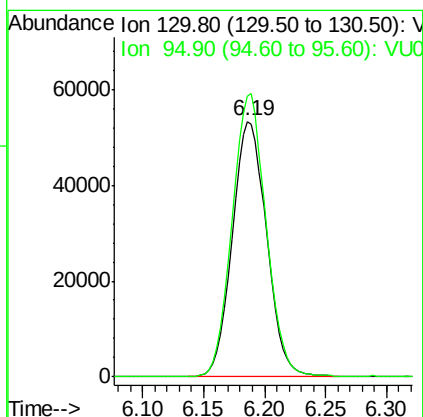
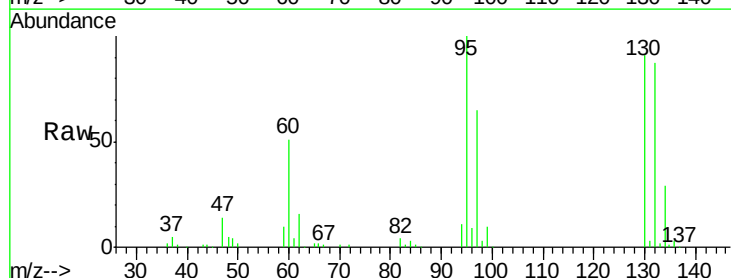
RT: 6.19 min Scan# 1559

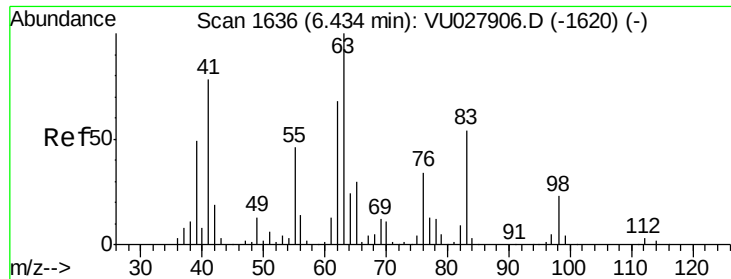
Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion:	130	Resp:	104089
Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	219.2





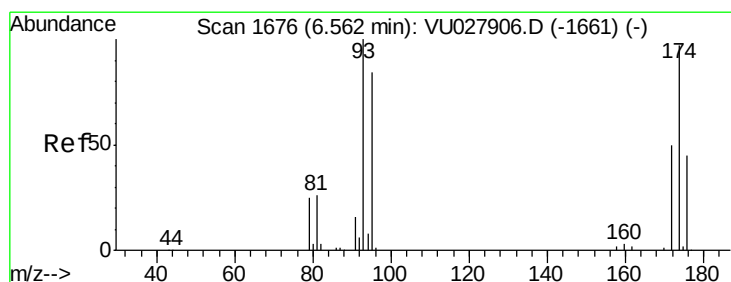
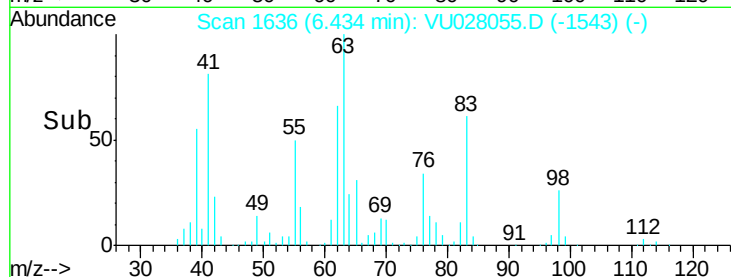
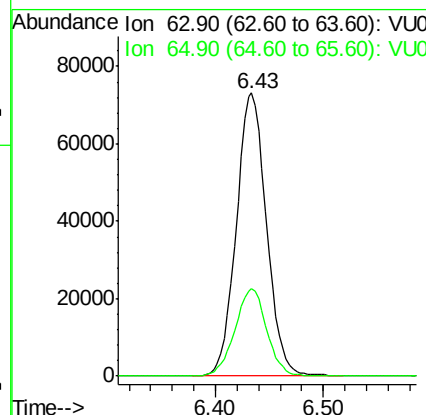
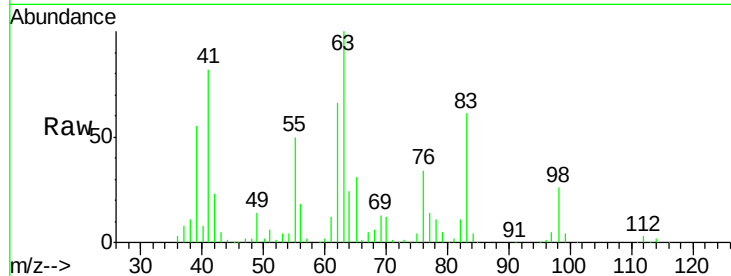
#45
 1,2-Dichloropropane
 Concen: 54.980 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 142656
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6

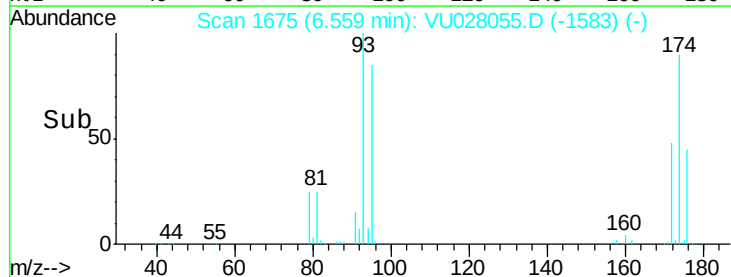
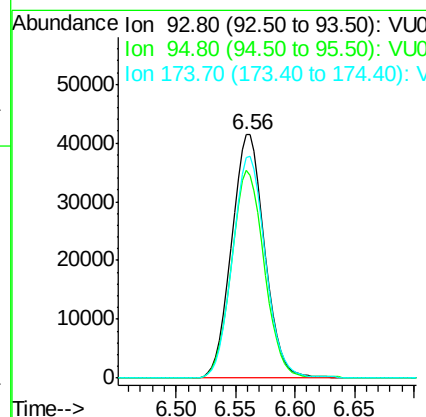
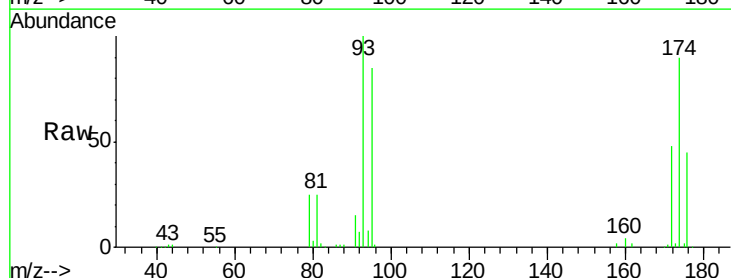
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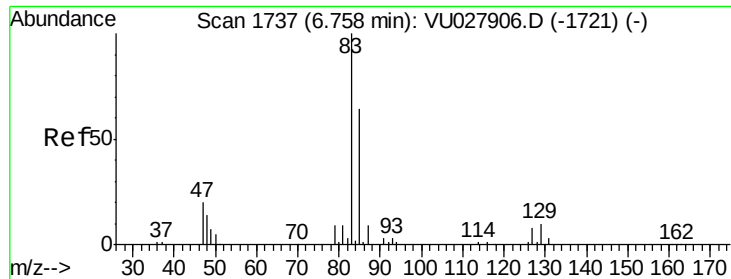
MMDadoda
 11/13/2018 12:12:39 PM



#46
 Dibromomethane
 Concen: 53.655 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion: 93 Resp: 80022
 Ion Ratio Lower Upper
 93 100
 95 84.3 68.5 102.7
 174 90.3 76.1 114.1





#47

Bromodichloromethane

Concen: 56.152 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

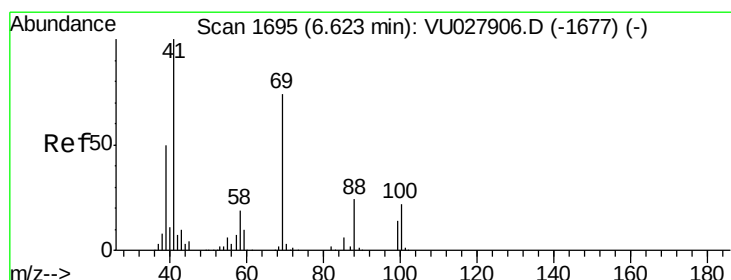
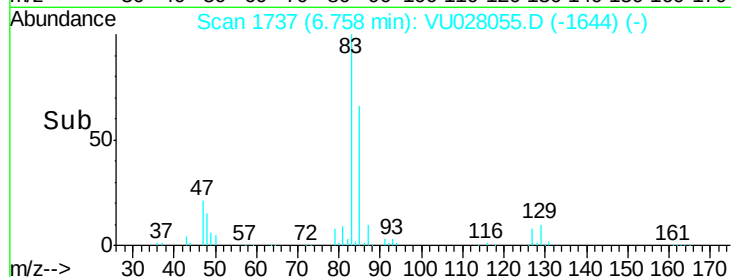
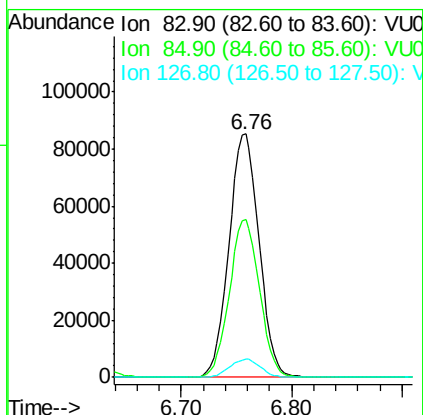
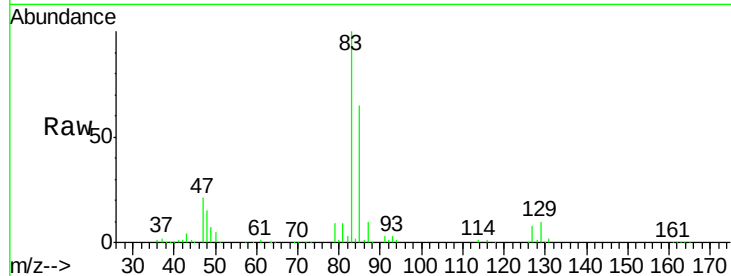
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	161389
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.0	76.6
127	7.5	6.2	9.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.123 ug/l

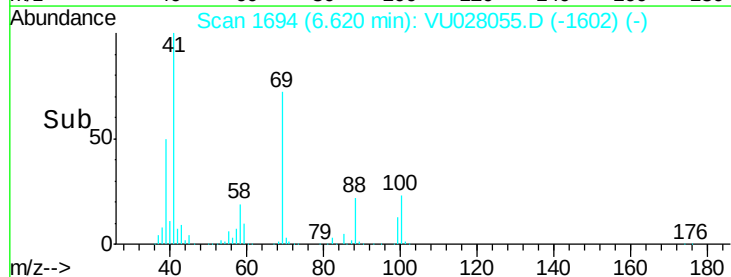
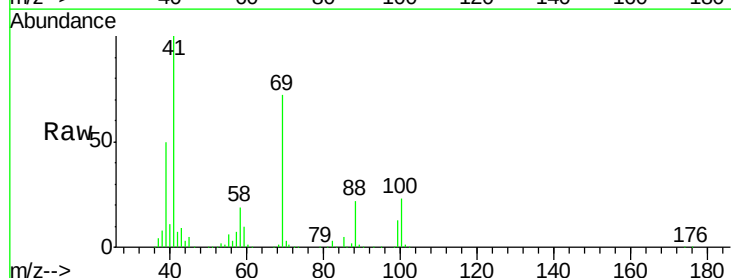
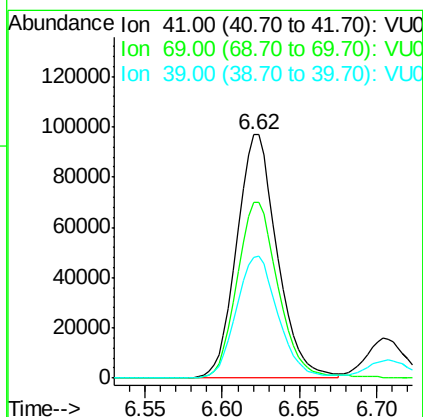
RT: 6.62 min Scan# 1694

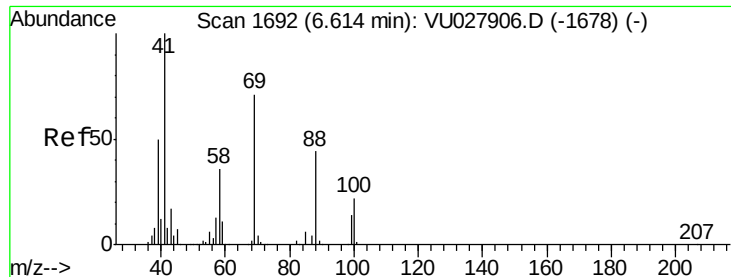
Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion:	41	Resp:	175855
Ion Ratio	Lower	Upper	
41	100		
69	73.8	59.8	89.8
39	51.5	40.0	60.0





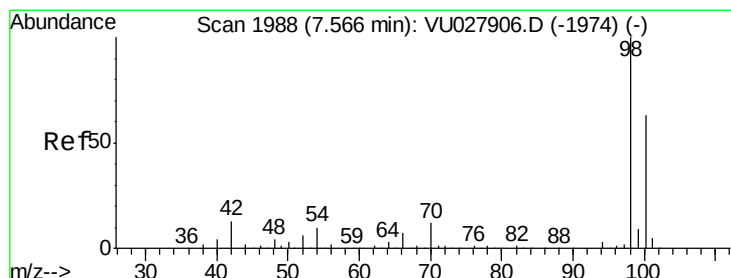
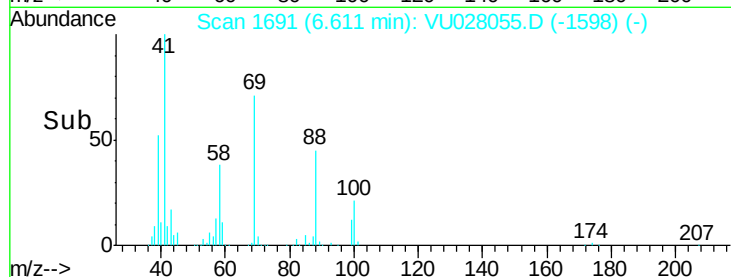
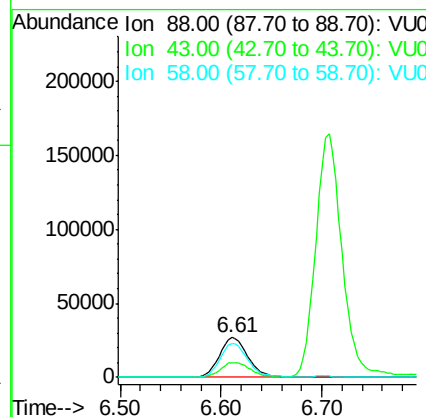
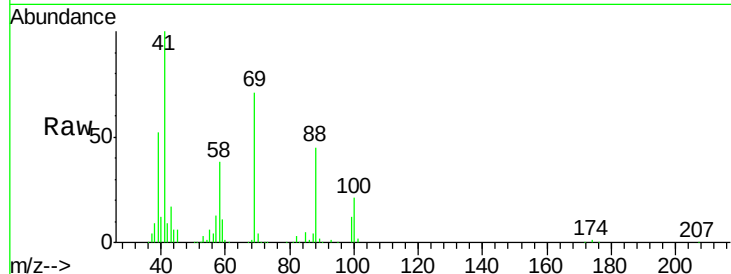
#49
1,4-Dioxane
Concen: 974.689 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 52641
Ion Ratio Lower Upper
88 100
43 38.2 30.5 45.7
58 85.1 67.1 100.7

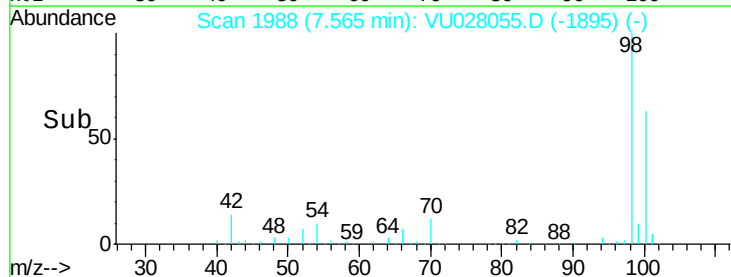
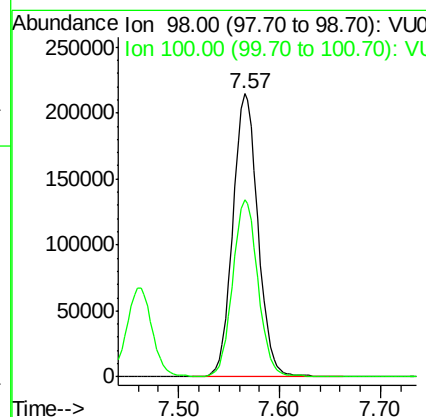
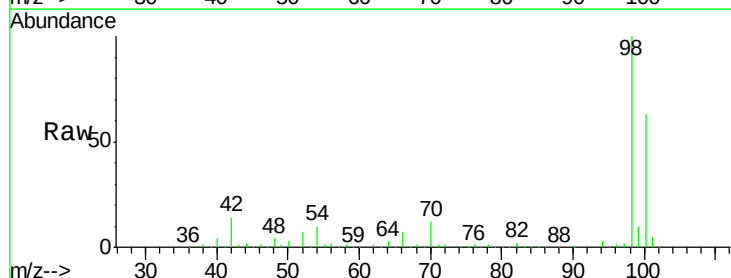
Manual Integrations
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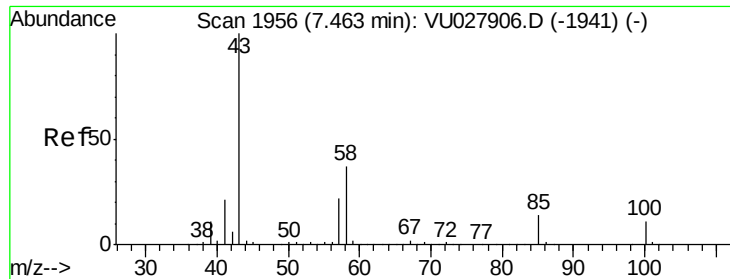
MMDadoda
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#50
Toluene-d8
Concen: 54.582 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 98 Resp: 373528
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 249.540 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1125756

Ion Ratio Lower Upper

43 100

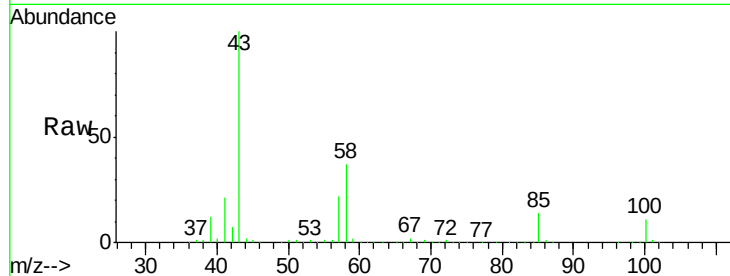
58 36.4 29.5 44.3

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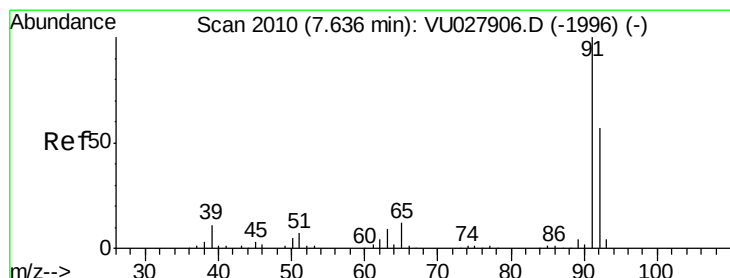
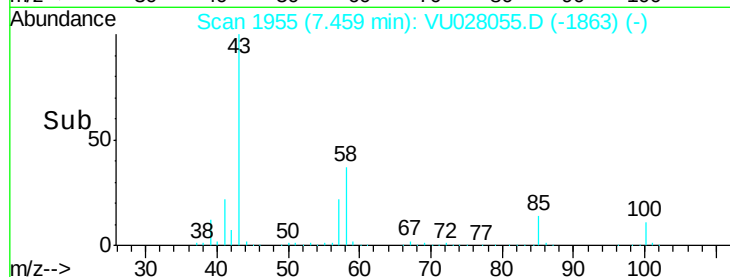
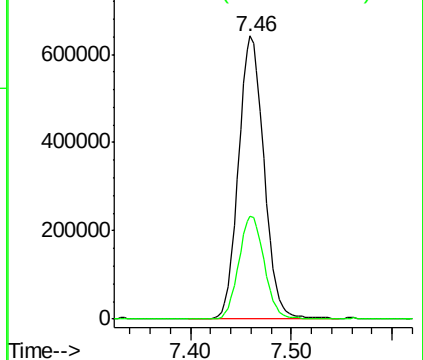
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 53.841 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028055.D

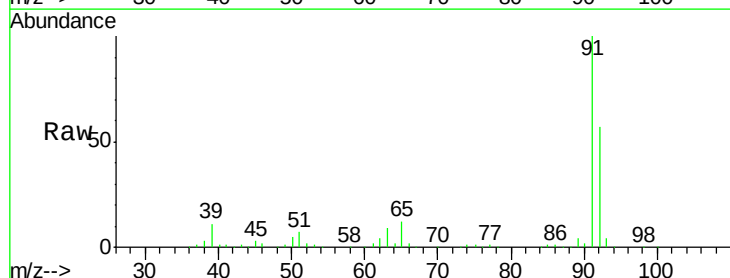
Acq: 12 Nov 2018 11:01

Tgt Ion: 92 Resp: 284780

Ion Ratio Lower Upper

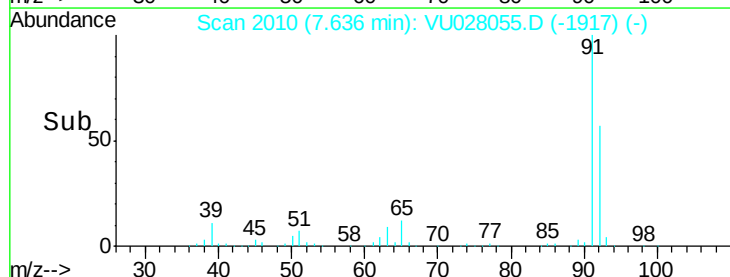
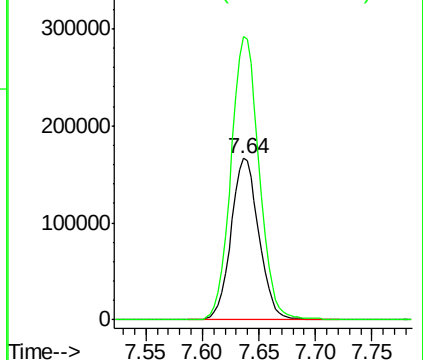
92 100

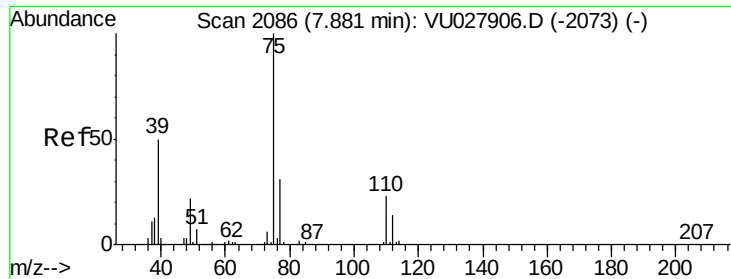
91 177.8 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





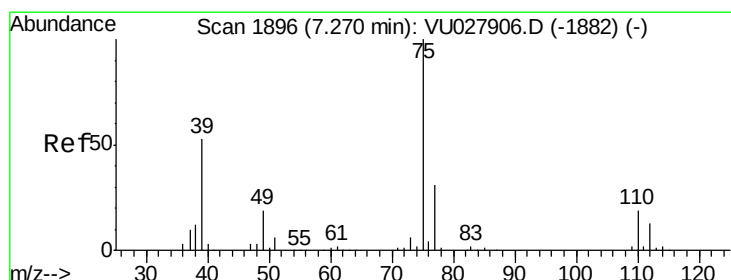
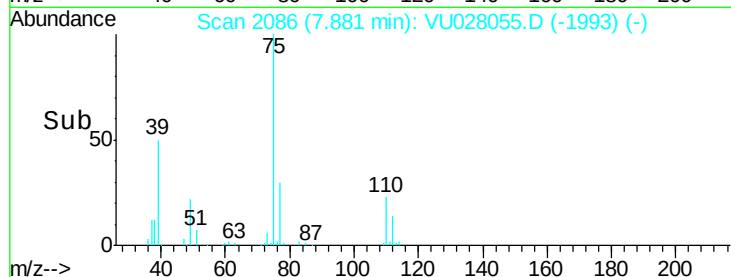
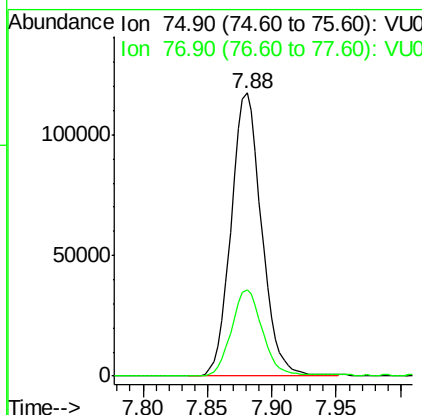
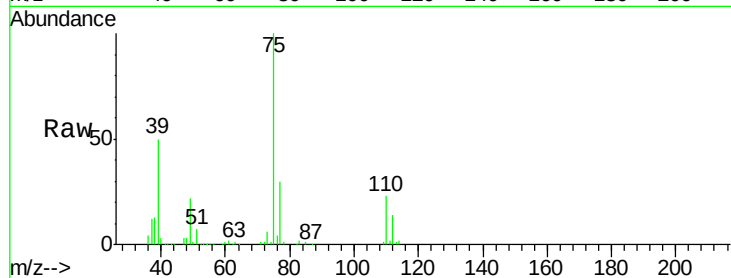
#53
t-1,3-Dichloropropene
Concen: 54.013 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 192841
Ion Ratio Lower Upper
75 100
77 30.4 25.1 37.7

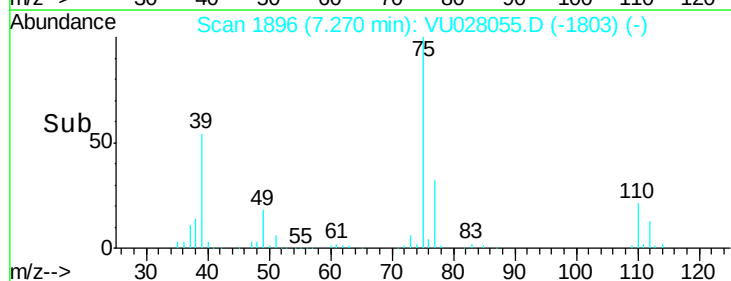
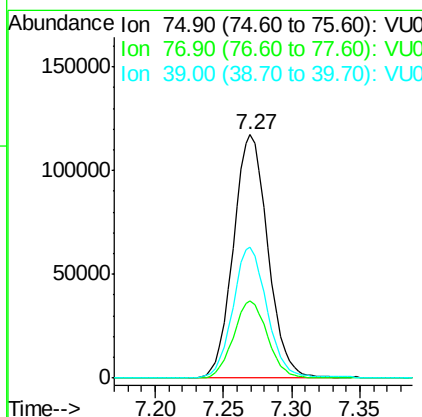
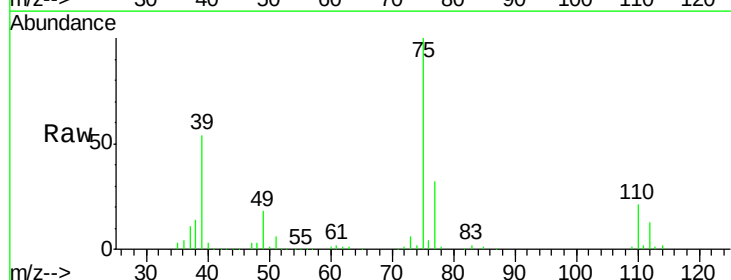
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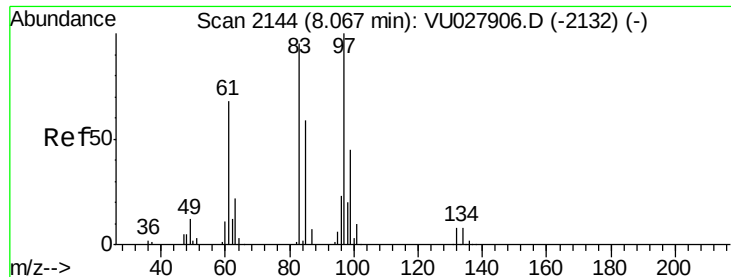
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#54
cis-1,3-Dichloropropene
Concen: 58.101 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 75 Resp: 205862
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0
39 53.6 42.6 64.0





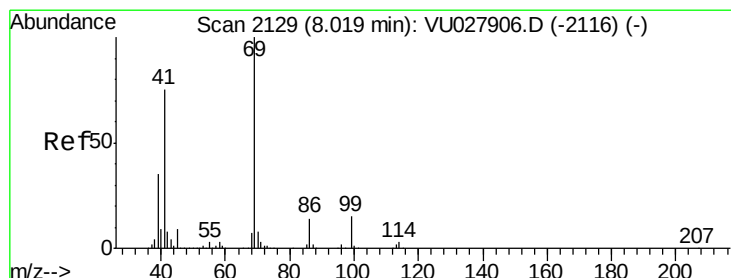
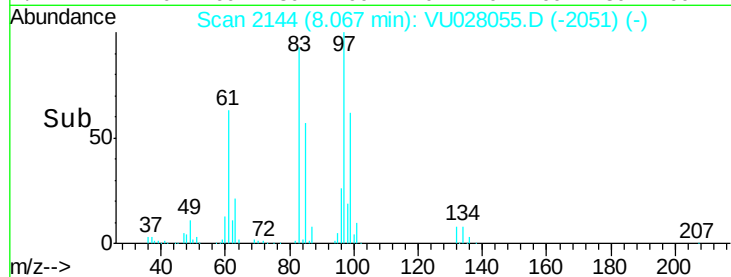
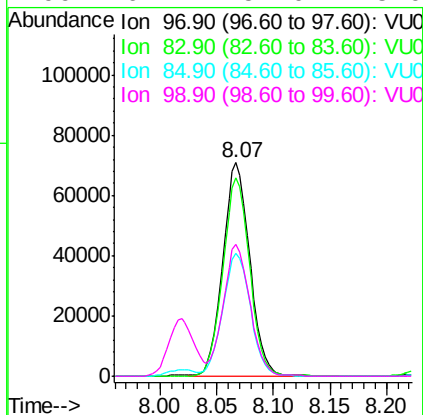
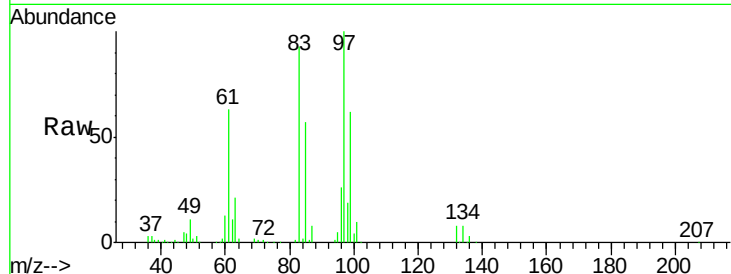
#55
 1,1,2-Trichloroethane
 Concen: 54.460 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.9	76.1	114.1
85	57.3	48.9	73.3
99	62.1	52.0	78.0

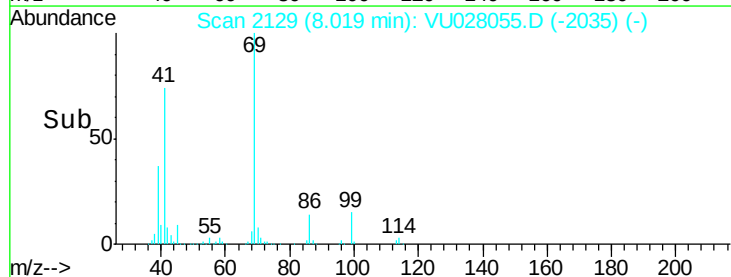
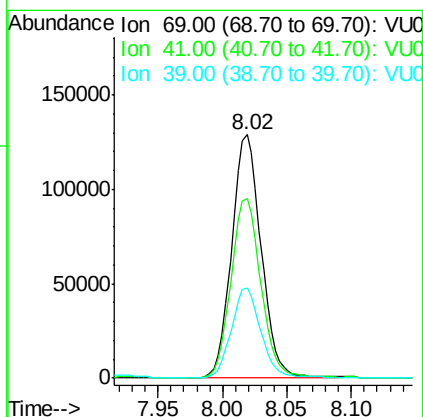
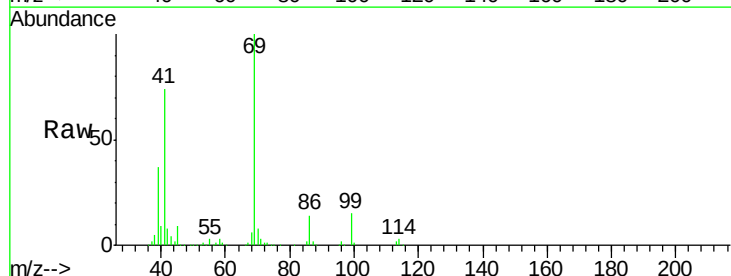
Manual Integrations
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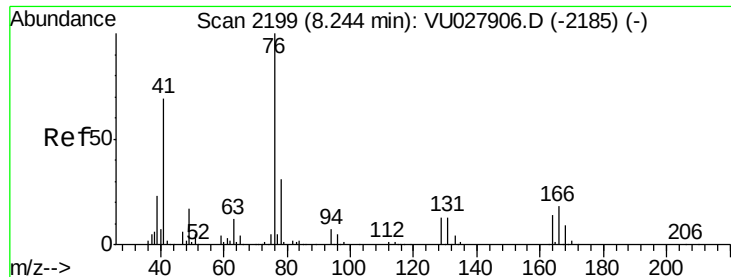
MMDadoda
 11/13/2018 12:12:39 PM



#56
 Ethyl methacrylate
 Concen: 53.986 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.8	59.8	89.6
39	36.6	28.6	42.8





#57

1,3-Dichloropropane

Concen: 54.263 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 212706

Ion Ratio Lower Upper

76 100

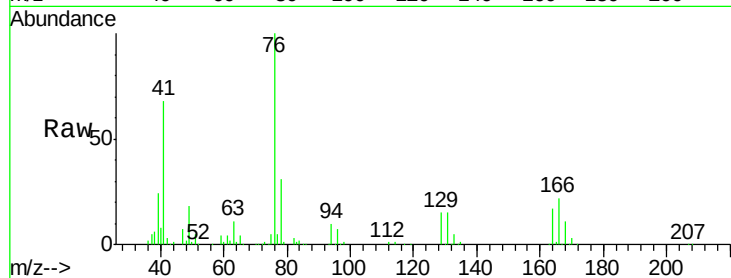
78 31.5 25.3 37.9

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU027906.D (-2185) (-)

Ion 77.90 (77.60 to 78.60): VU028055.D (-2106) (-)

8.24

150000

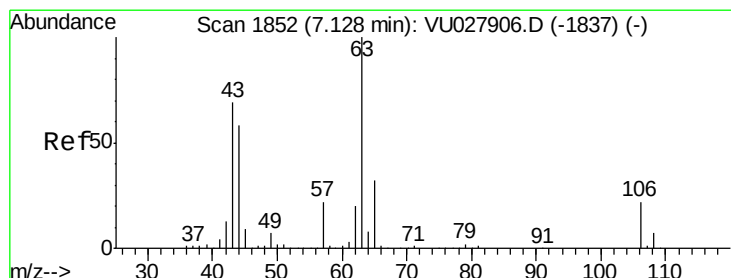
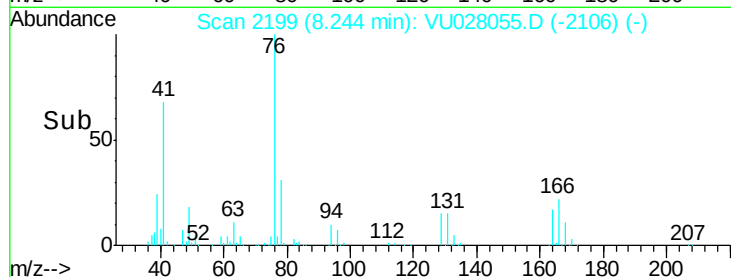
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 271.115 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028055.D

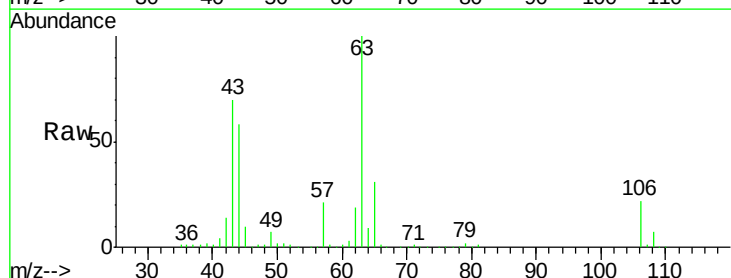
Acq: 12 Nov 2018 11:01

Tgt Ion: 63 Resp: 551023

Ion Ratio Lower Upper

63 100

106 21.8 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU027906.D (-1837) (-)

Ion 105.90 (105.60 to 106.60): VU028055.D (-1759) (-)

7.13

300000

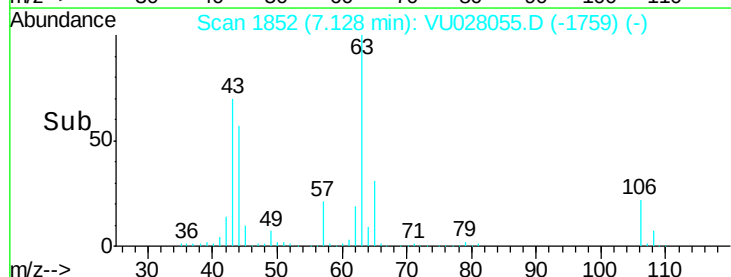
200000

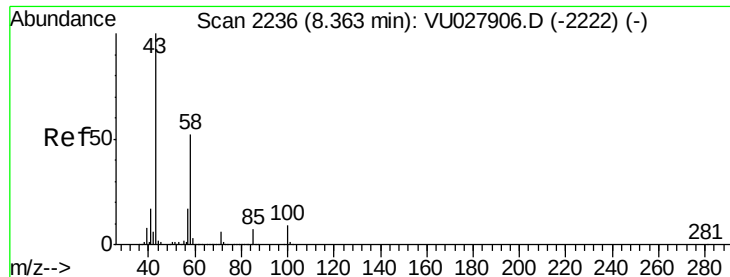
100000

0

7.10 7.20

Time-->





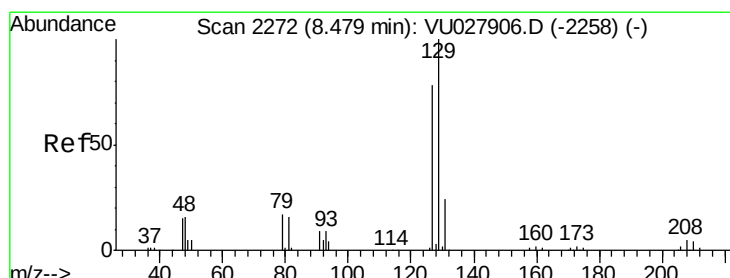
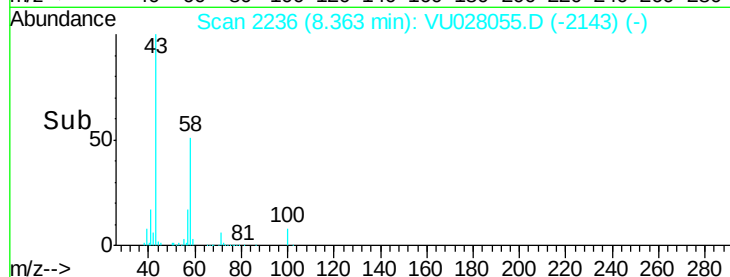
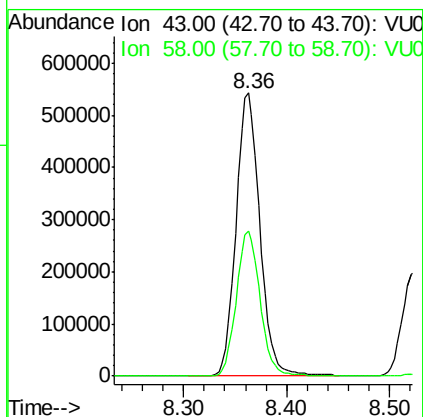
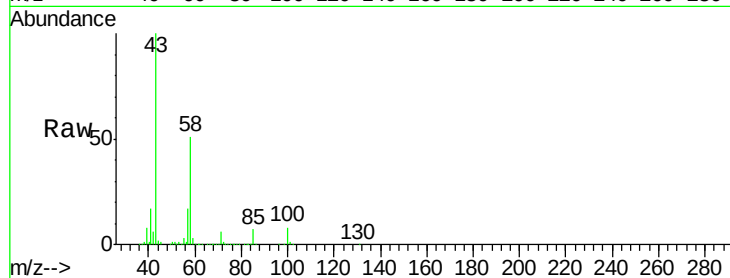
#59
2-Hexanone
Concen: 251.046 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 875950
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

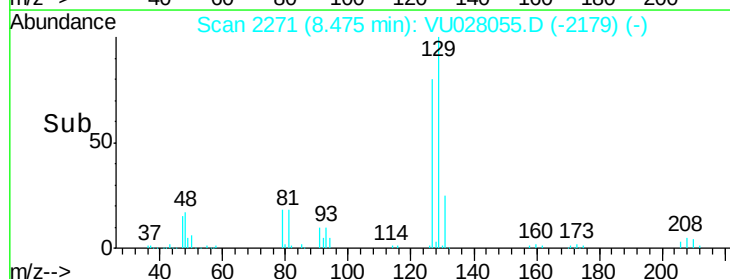
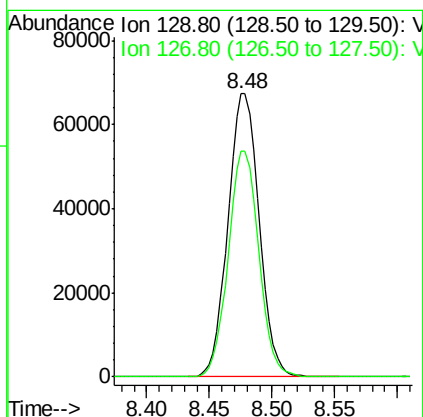
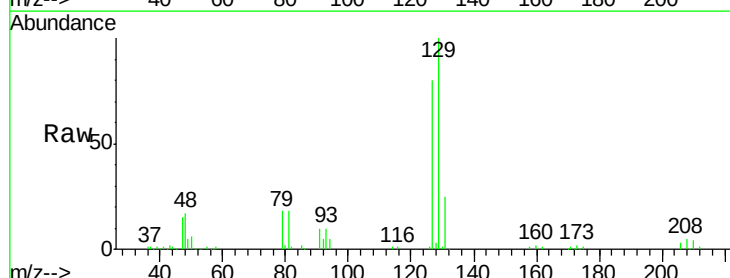
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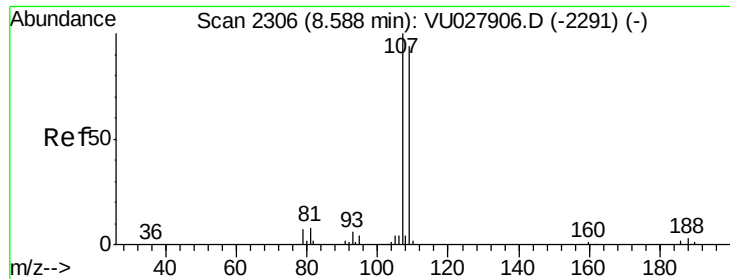
MMDadoda
11/13/2018 12:12:39 PM



#60
Dibromochloromethane
Concen: 57.157 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 129 Resp: 116388
Ion Ratio Lower Upper
129 100
127 78.2 39.2 117.6





#61

1,2-Dibromoethane

Concen: 54.538 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 124703

Ion Ratio Lower Upper

107 100

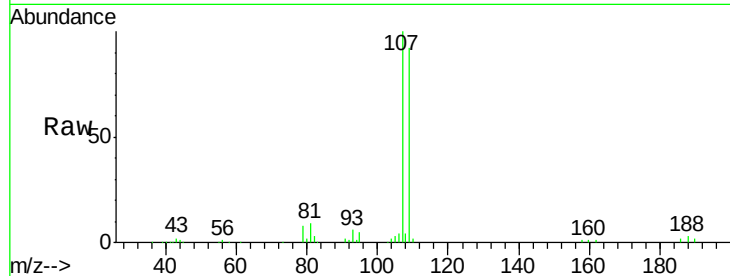
109 92.6 73.8 110.8

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

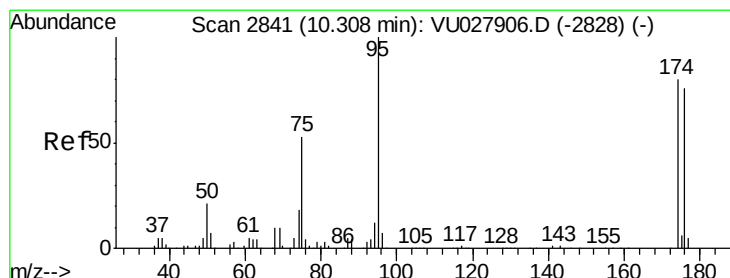
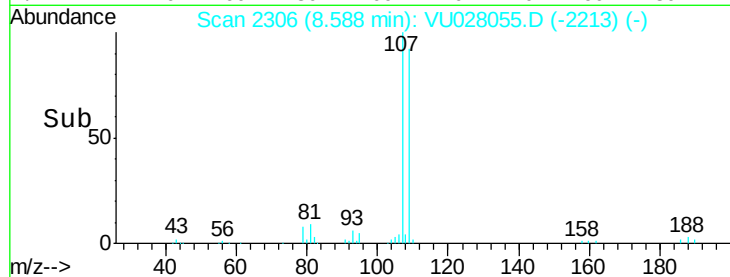
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.870 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

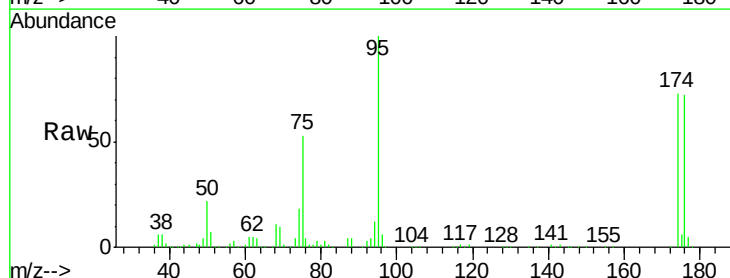
Tgt Ion: 95 Resp: 141025

Ion Ratio Lower Upper

95 100

174 74.8 0.0 156.4

176 72.5 0.0 150.8



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

120000

100000

80000

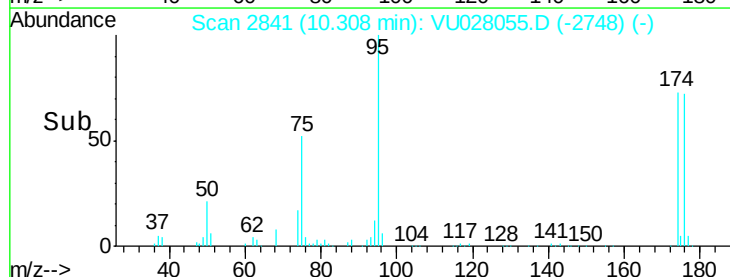
60000

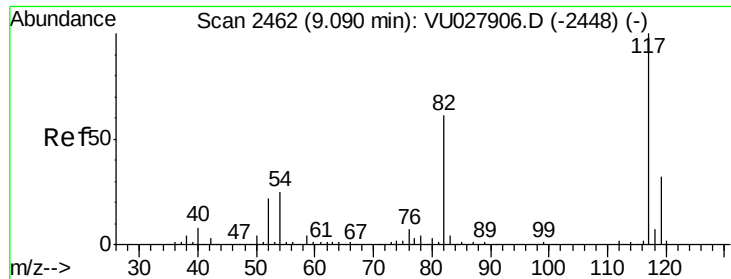
40000

20000

0

Time-->





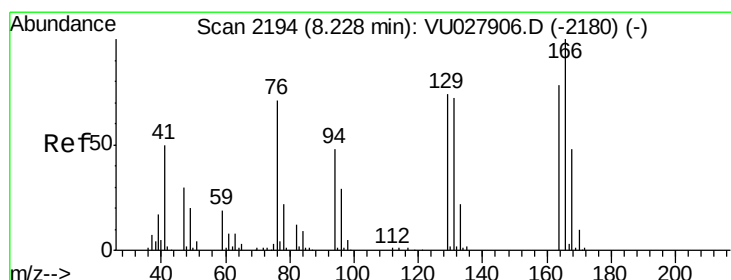
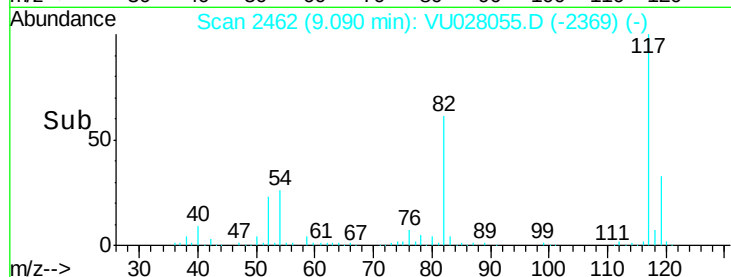
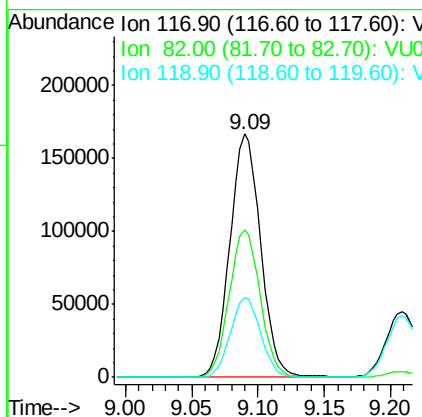
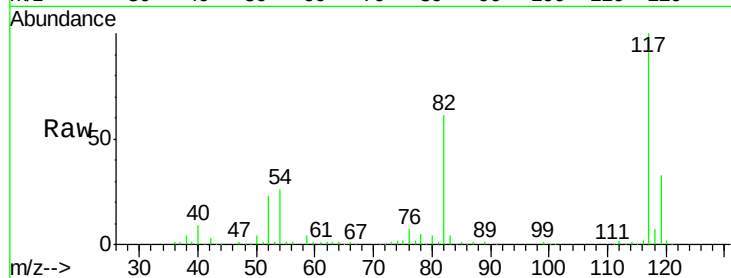
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	269196		
82	60.9	48.6	73.0	
119	32.9	25.8	38.8	

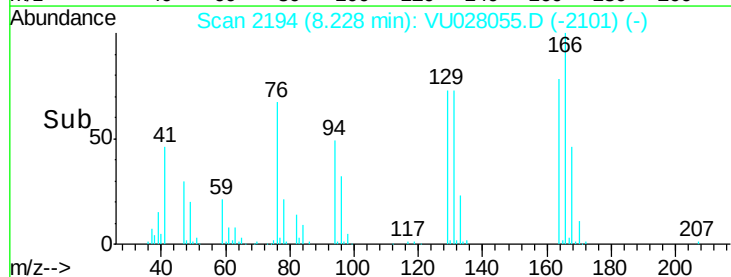
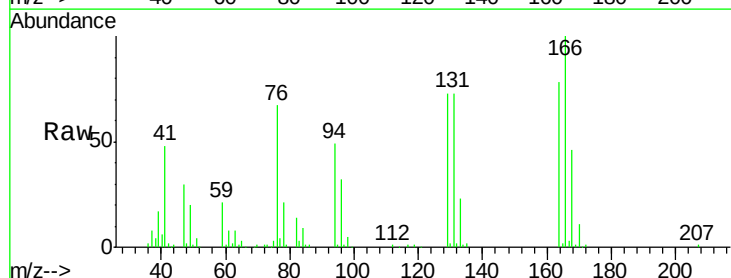
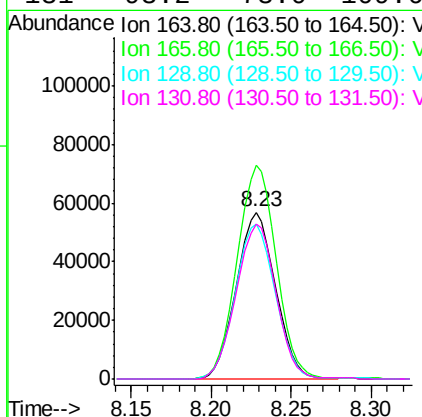
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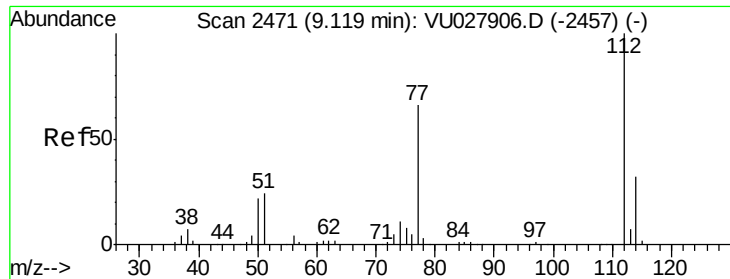
MMDadoda
11/13/2018 12:12:39 PM



#64
Tetrachloroethene
Concen: 54.405 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94966		
166	128.4	102.1	153.1	
129	93.1	75.9	113.9	
131	93.2	73.0	109.6	





#65

Chlorobenzene

Concen: 52.627 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 299309

Ion Ratio Lower Upper

112 100

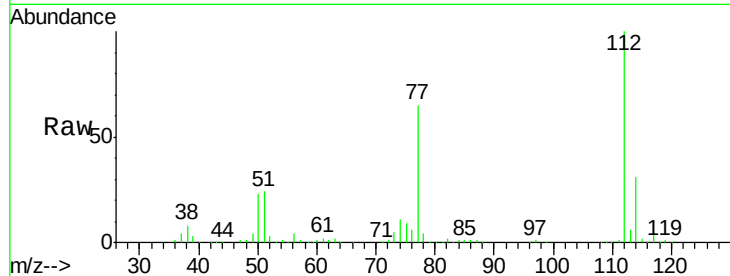
114 30.8 25.2 37.8

Manual Integrations

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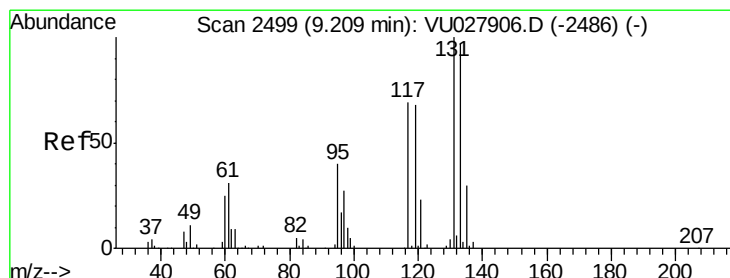
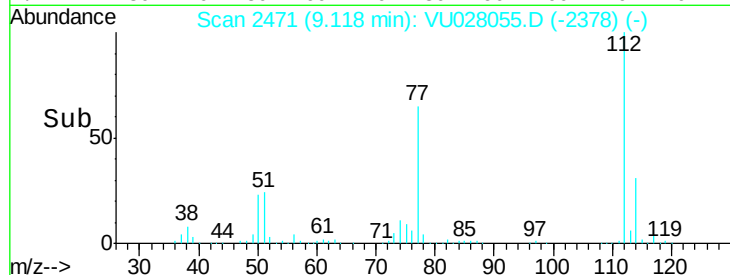
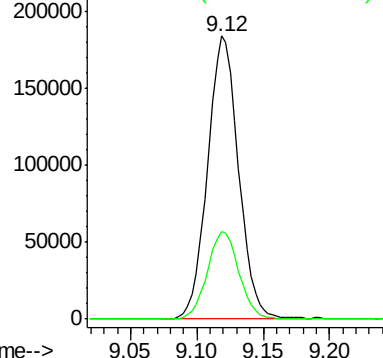
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.544 ug/l

RT: 9.21 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

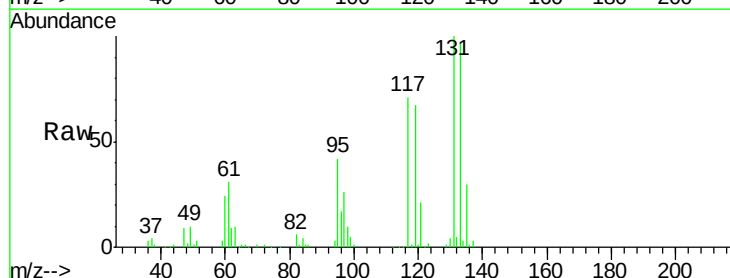
Tgt Ion:131 Resp: 104016

Ion Ratio Lower Upper

131 100

133 96.7 48.1 144.4

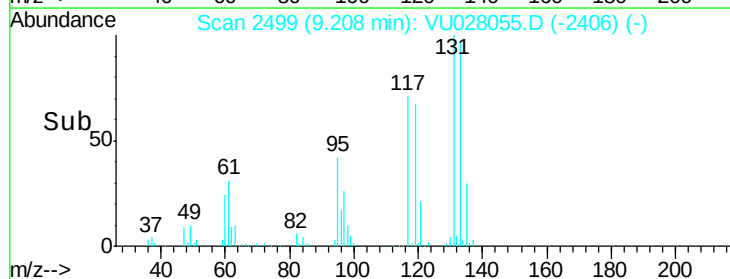
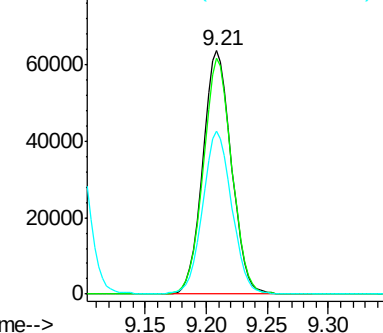
119 68.1 34.0 101.8

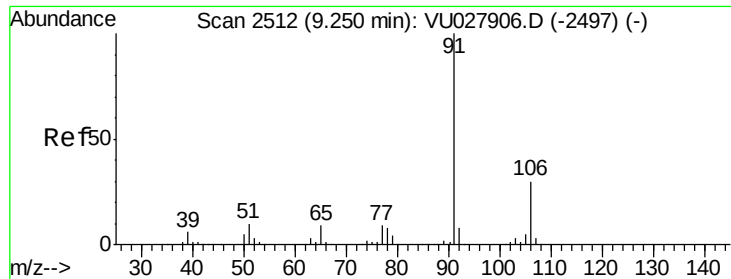


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





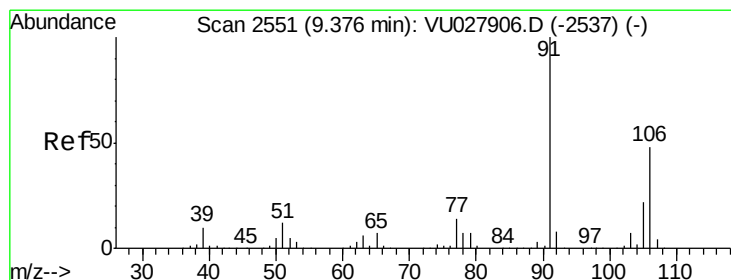
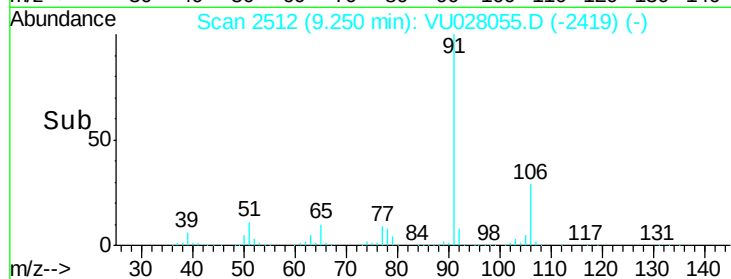
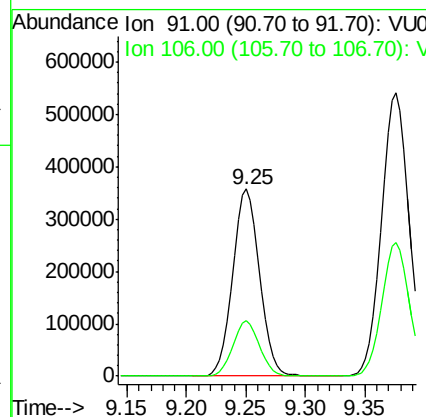
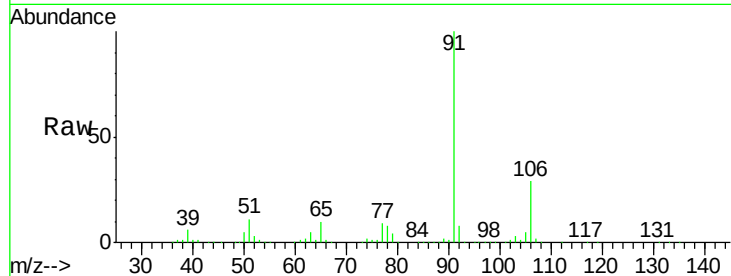
#67
 Ethyl Benzene
 Concen: 53.451 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 91 Resp: 559561
 Ion Ratio Lower Upper
 91 100
 106 29.4 23.6 35.4

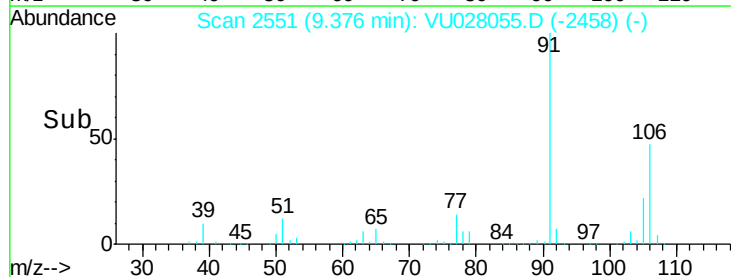
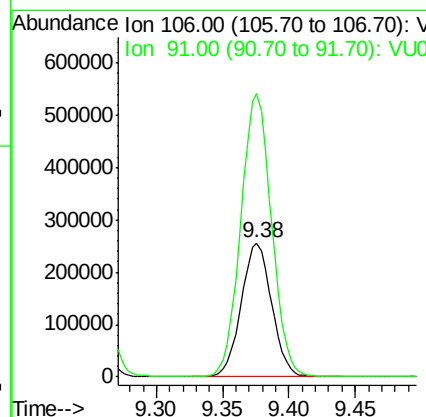
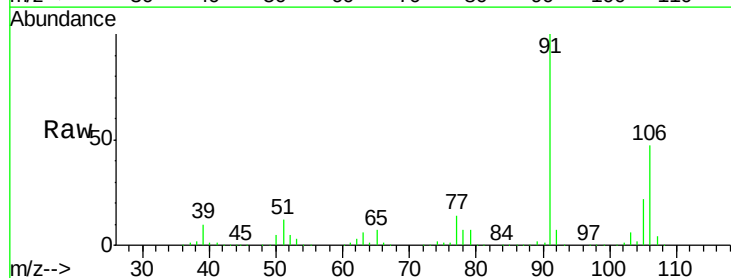
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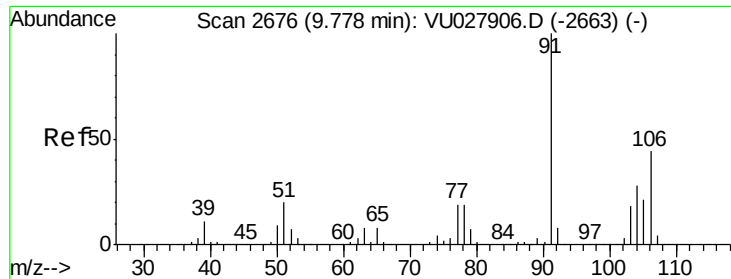
MMDadoda
 11/13/2018 12:12:39 PM



#68
 m/p-Xylenes
 Concen: 107.616 ug/l
 RT: 9.38 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion: 106 Resp: 408773
 Ion Ratio Lower Upper
 106 100
 91 213.9 168.2 252.4





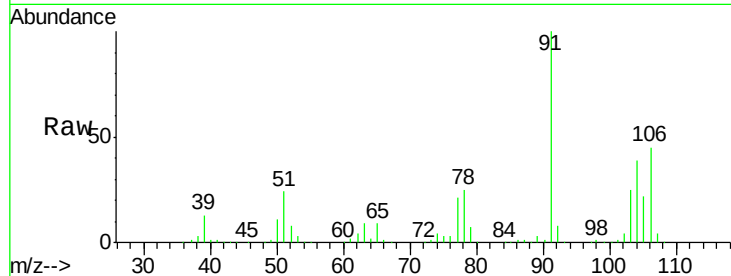
#69
o-Xylene
Concen: 52.014 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

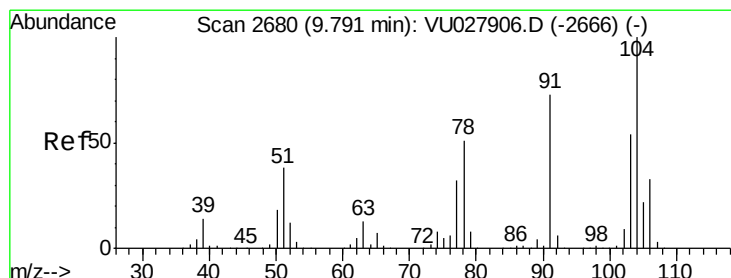
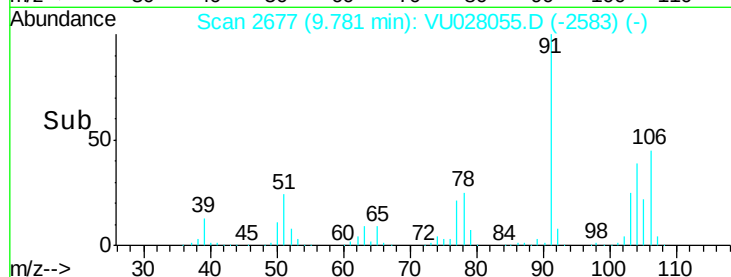
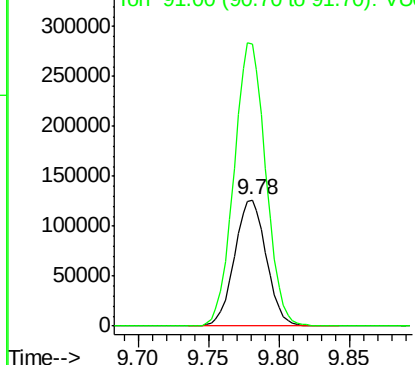
Tgt Ion:106 Resp: 199505
Ion Ratio Lower Upper
106 100
91 223.8 111.1 333.4

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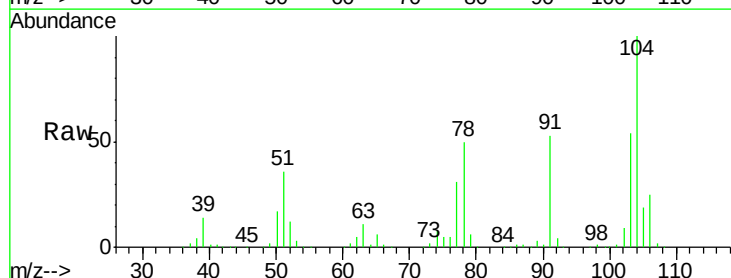


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

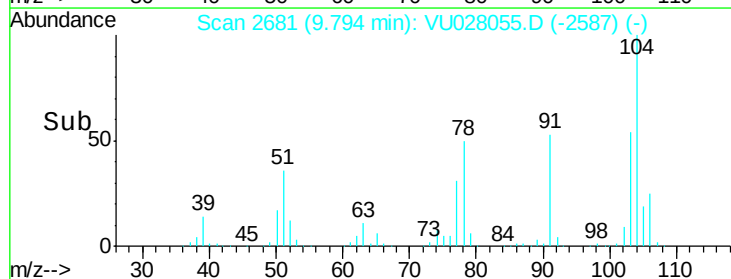
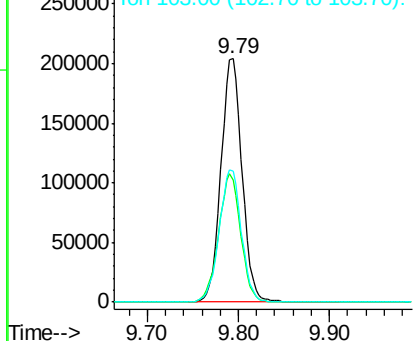


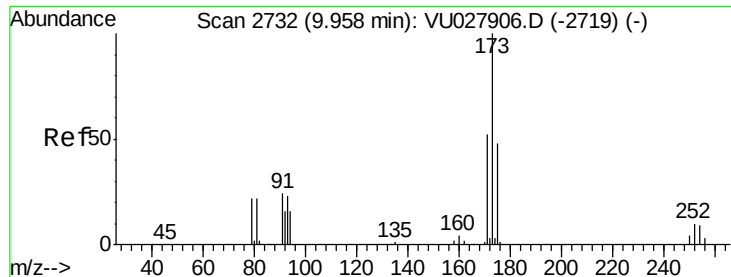
#70
Styrene
Concen: 53.614 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion:104 Resp: 328579
Ion Ratio Lower Upper
104 100
78 55.0 43.0 64.4
103 57.1 45.1 67.7



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





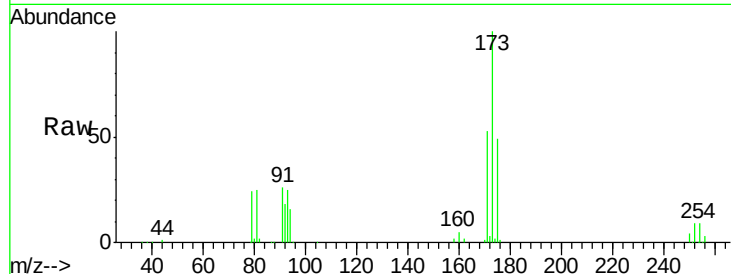
#71
Bromoform
Concen: 53.772 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

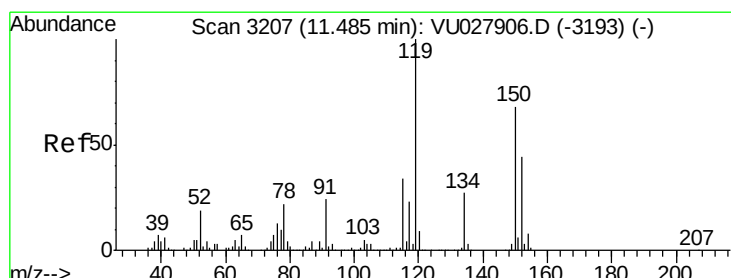
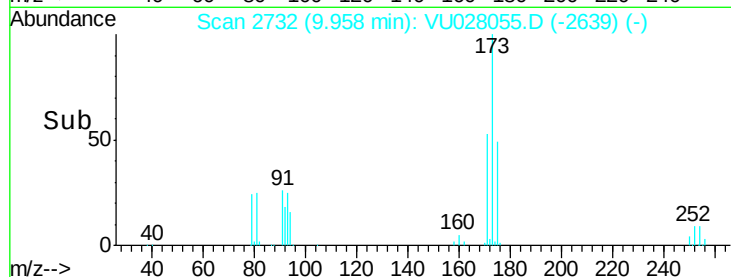
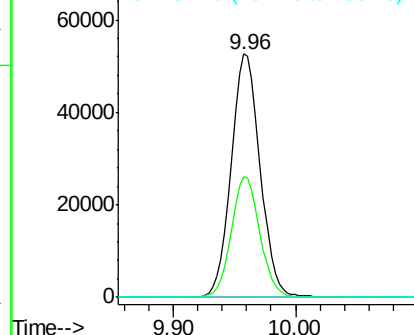
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	72.8
254	0.1	0.0	0.0#

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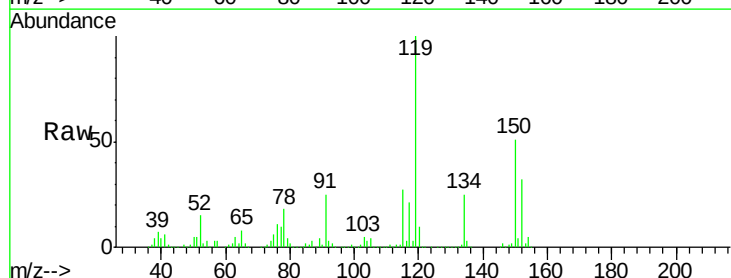


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

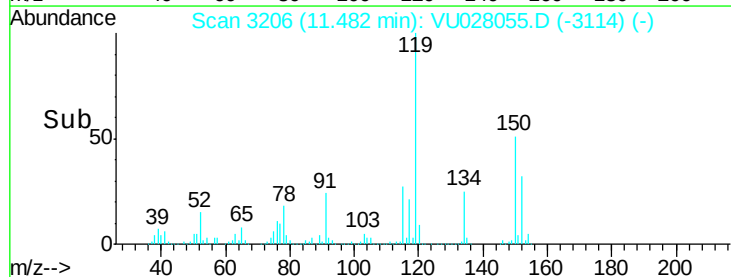
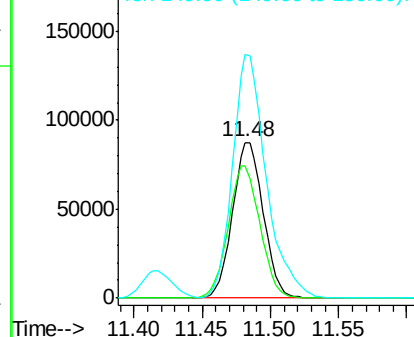


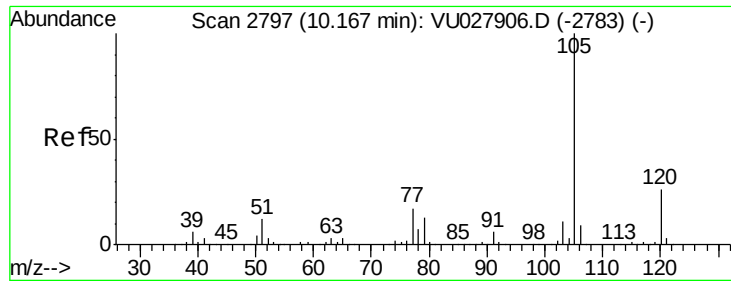
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	88.0	43.0	129.0
150	171.8	0.0	349.4



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





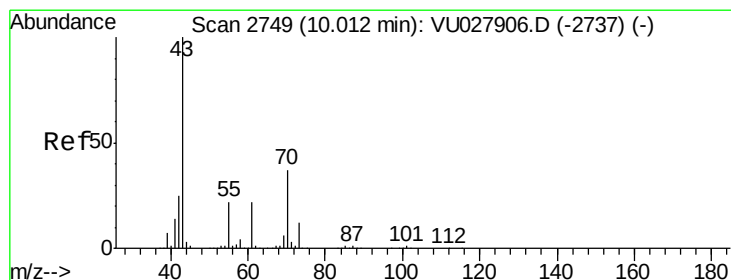
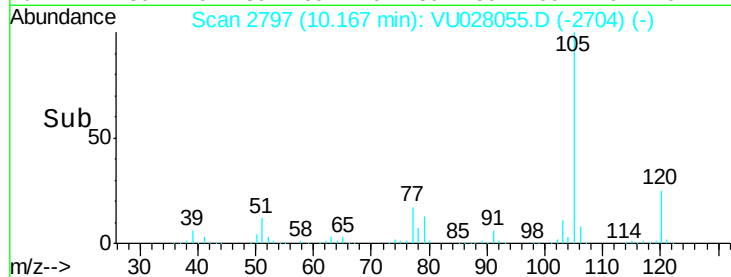
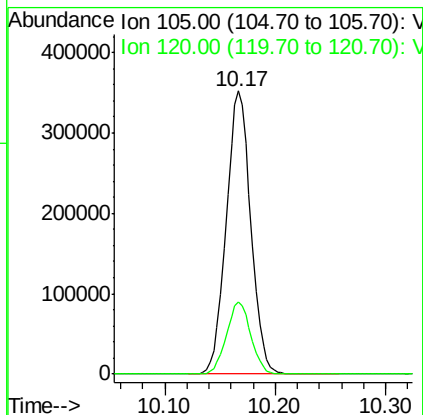
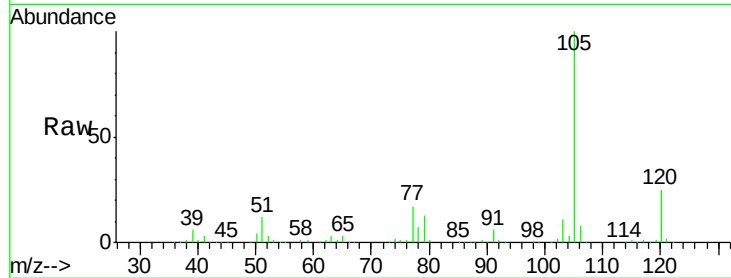
#73
Isopropylbenzene
Concen: 51.293 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 105 Resp: 541915
Ion Ratio Lower Upper
105 100
120 25.4 12.7 38.0

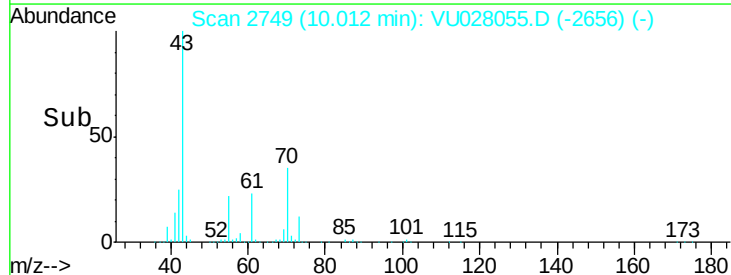
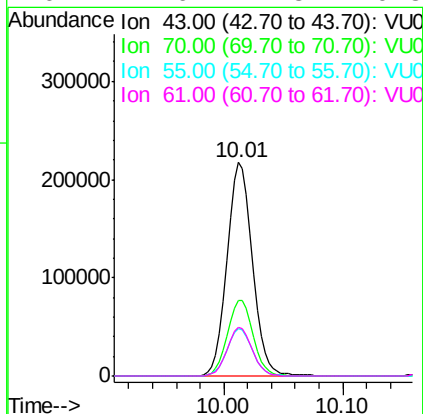
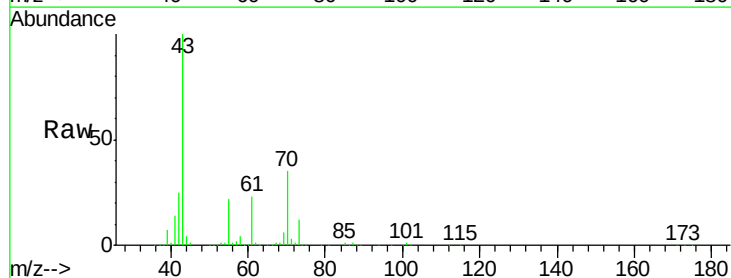
Manual Integrations
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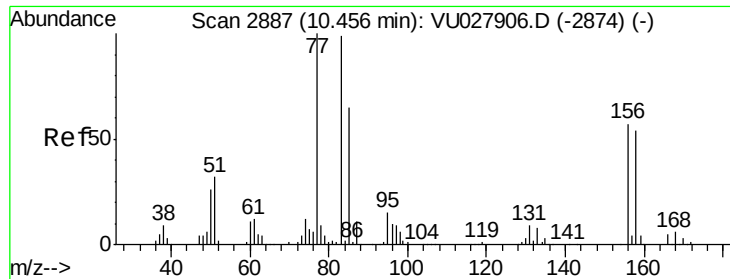
MMDadoda
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#74
N-ethyl acetate
Concen: 50.412 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 43 Resp: 322061
Ion Ratio Lower Upper
43 100
70 35.8 29.2 43.8
55 22.2 17.8 26.6
61 22.6 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.655 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

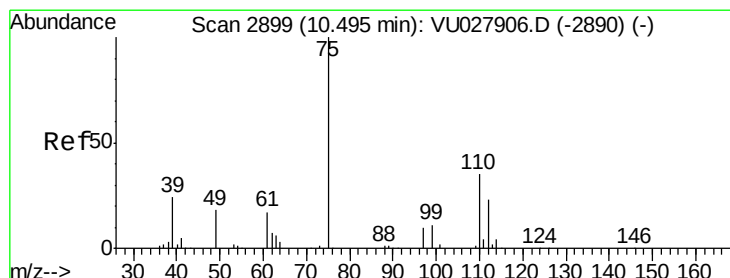
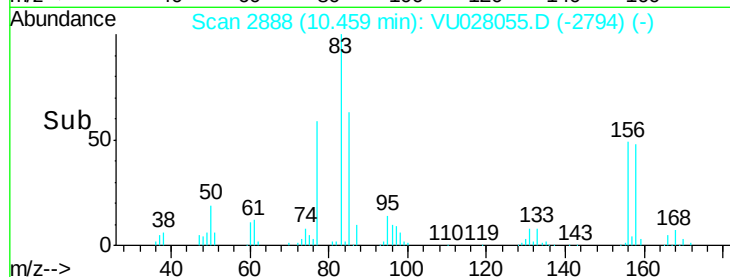
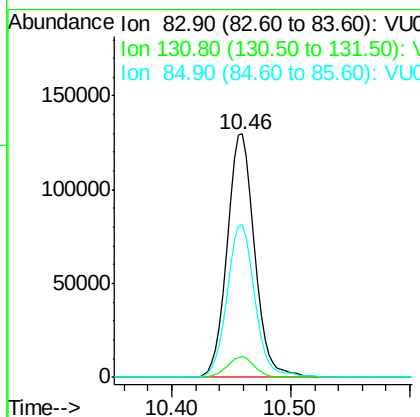
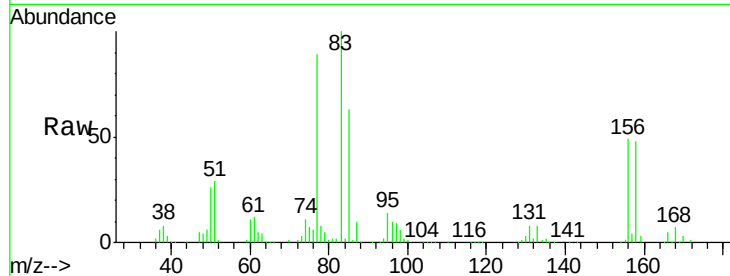
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	207352
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	13.1
85	63.5	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.880 ug/l m

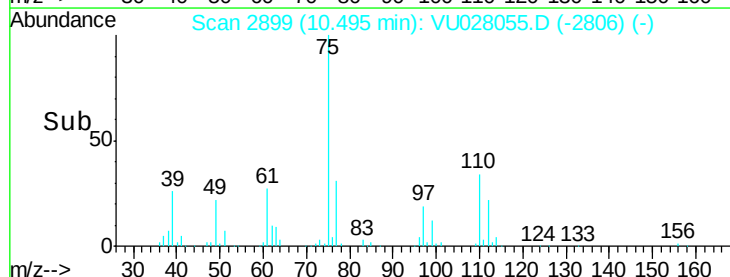
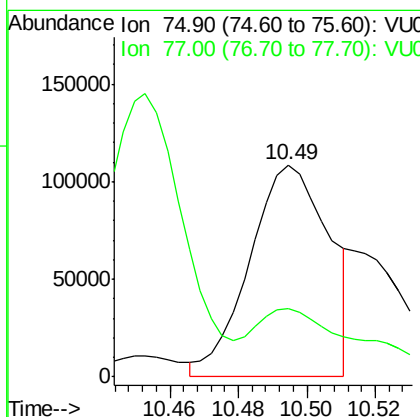
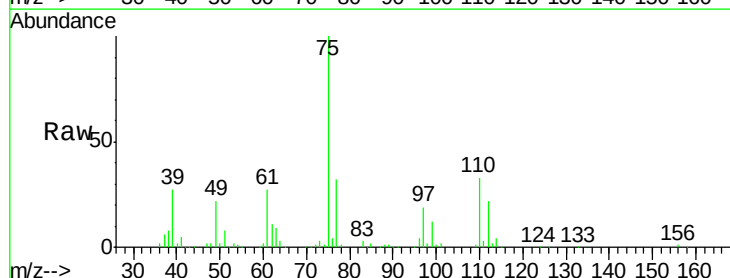
RT: 10.49 min Scan# 2899

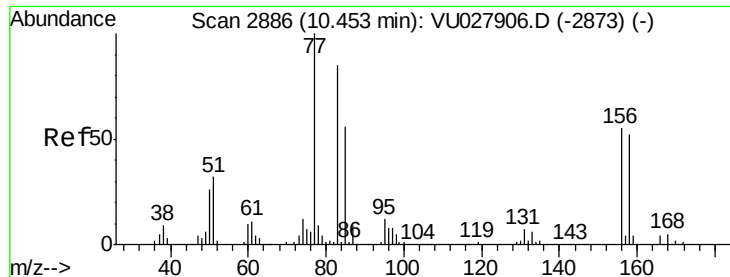
Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion:	75	Resp:	174878
Ion Ratio	Lower	Upper	
75	100		
77	43.9	21.6	64.6





#77

Bromobenzene

Concen: 50.913 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

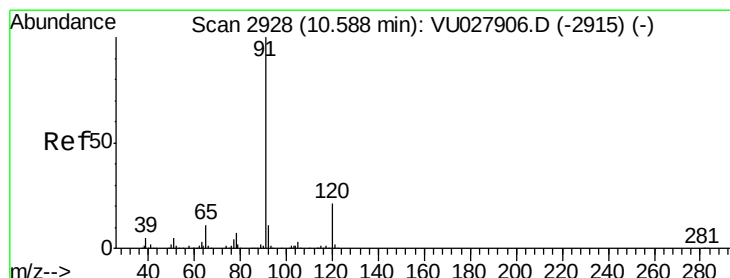
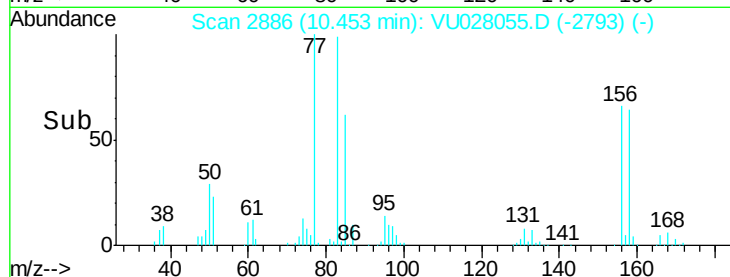
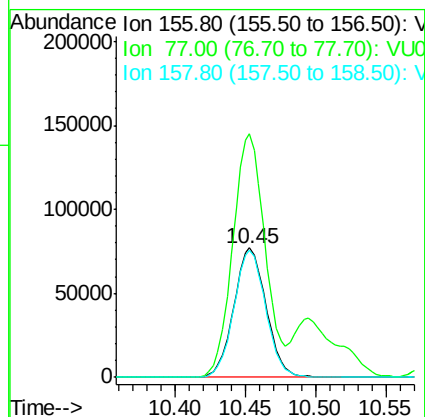
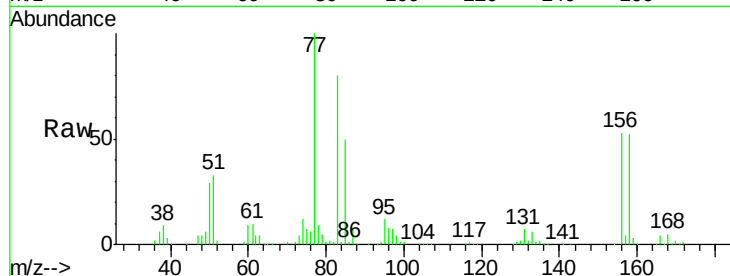
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	123342
Ion Ratio	Lower	Upper	
156	100		
77	189.0	91.8	275.6
158	97.4	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.785 ug/l

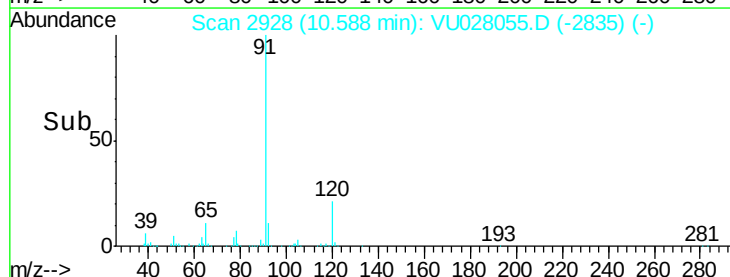
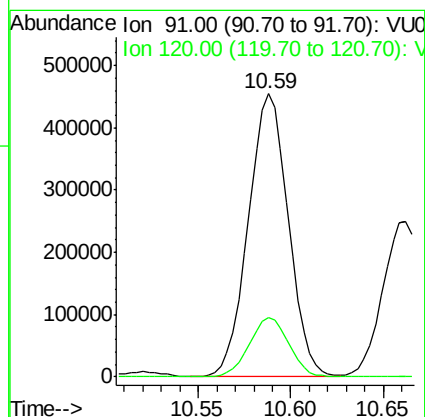
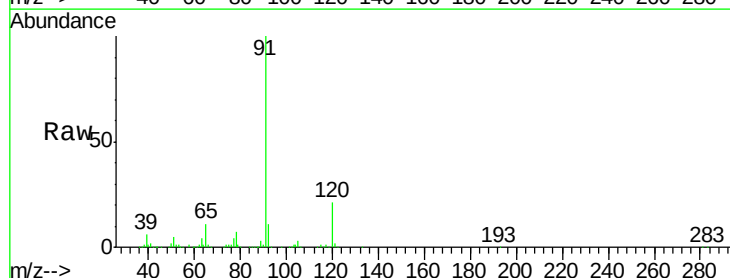
RT: 10.59 min Scan# 2928

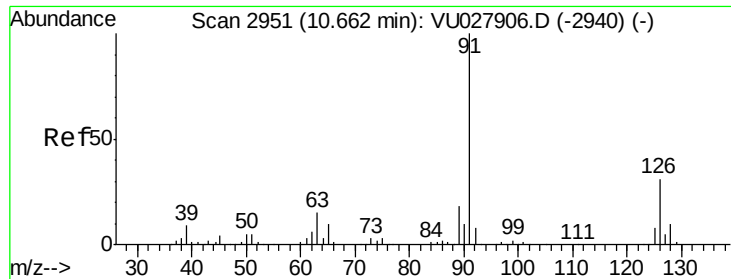
Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Tgt Ion:	91	Resp:	680191
Ion Ratio	Lower	Upper	
91	100		
120	20.7	10.6	31.8





#79

2-Chlorotoluene

Concen: 50.891 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU028055.D

Acq: 12 Nov 2018 11:01

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 385769

Ion Ratio Lower Upper

91 100

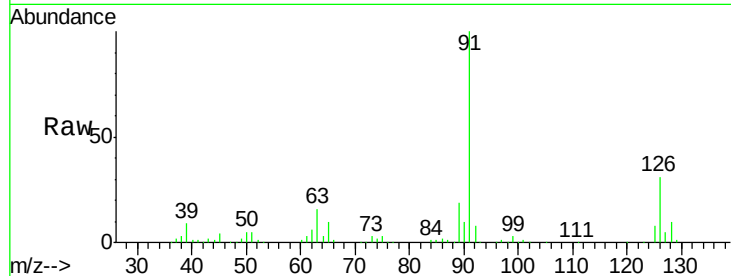
126 31.1 16.0 47.9

Manual Integrations

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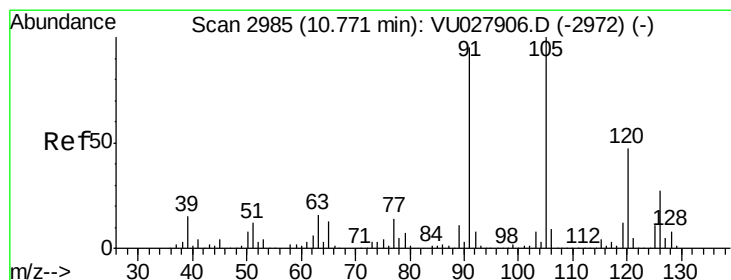
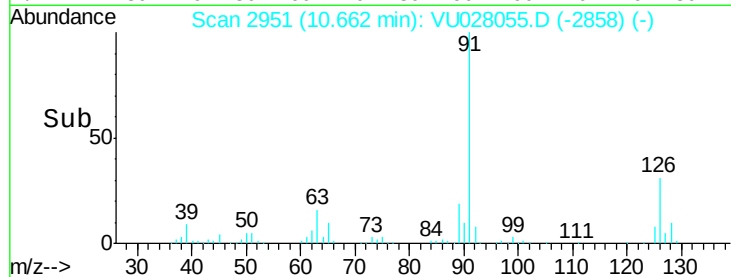
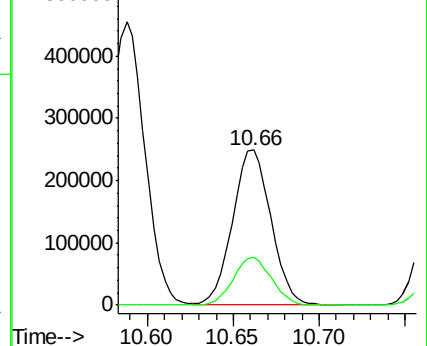
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Abundance Ion 91.00 (90.70 to 91.70): VU027906.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027906.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.452 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028055.D

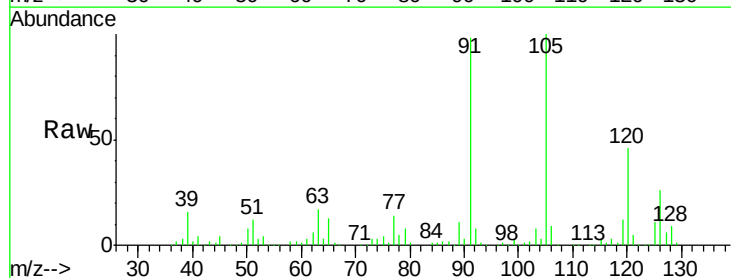
Acq: 12 Nov 2018 11:01

Tgt Ion: 105 Resp: 459064

Ion Ratio Lower Upper

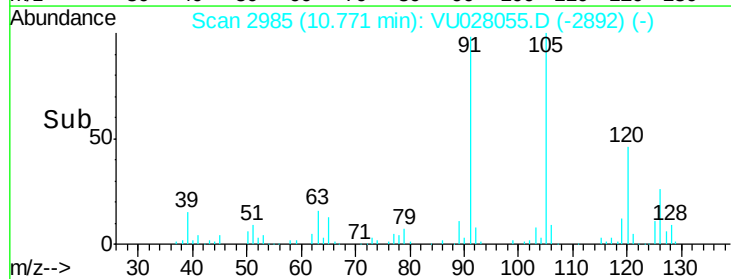
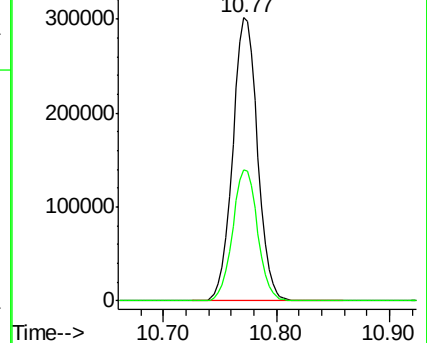
105 100

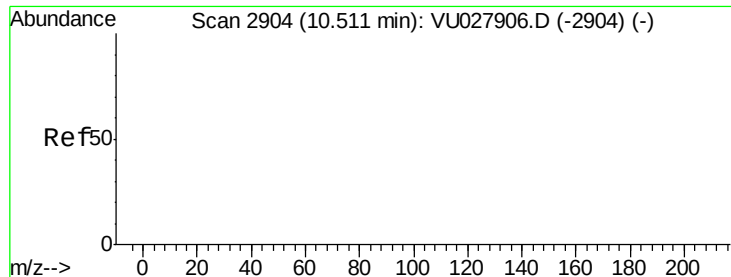
120 46.6 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VU027906.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027906.D (-2972) (-)





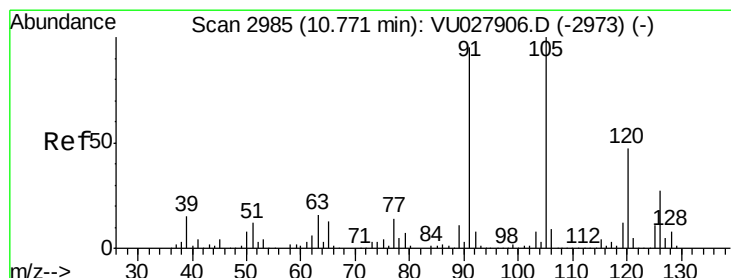
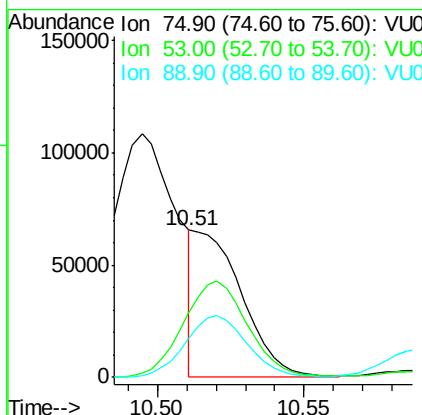
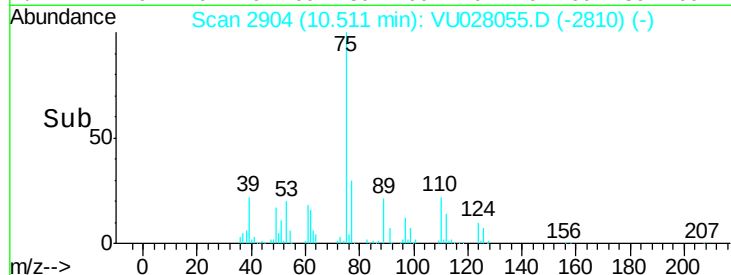
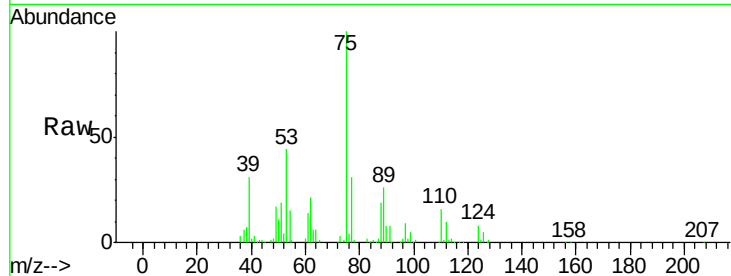
#81
trans-1,4-Dichloro-2-butene
Concen: 49.063 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

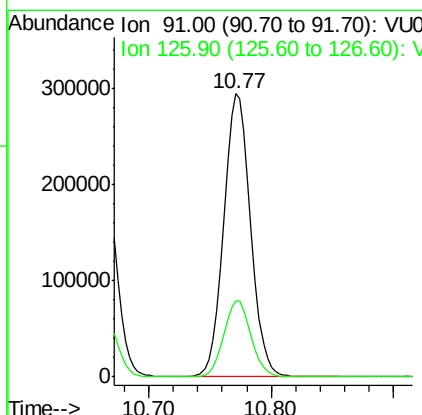
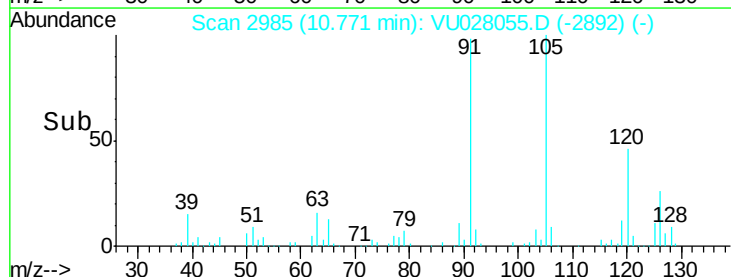
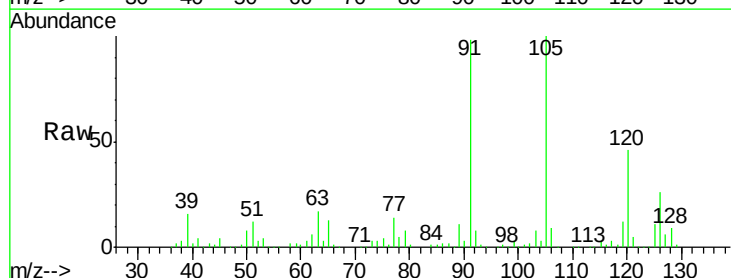
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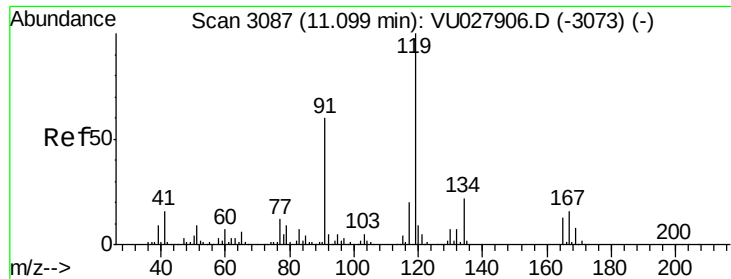
MMDadoda
11/13/2018 12:12:39 PM



#82
4-Chlorotoluene
Concen: 52.633 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.5	14.2	42.6





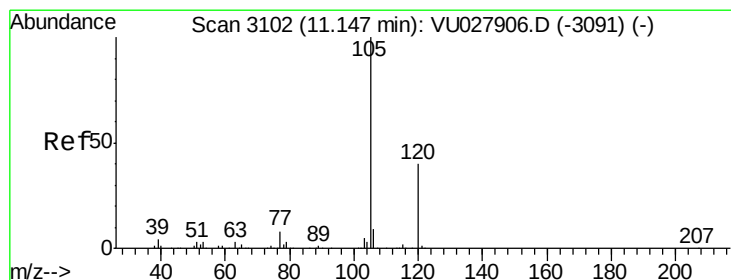
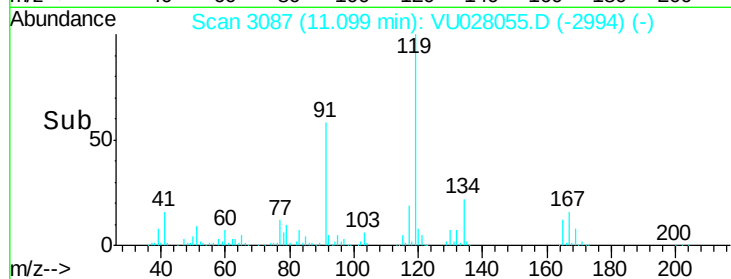
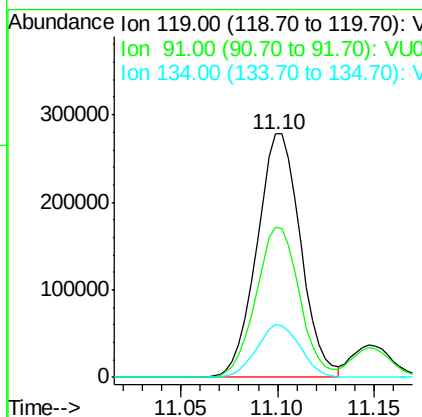
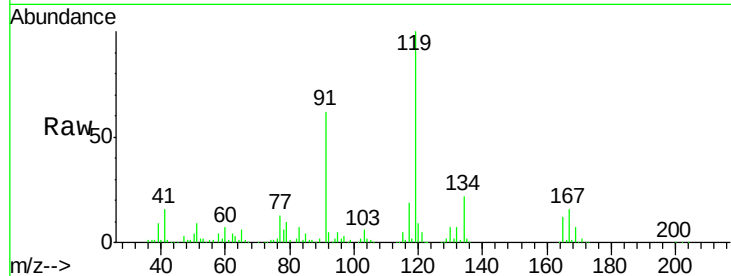
#83
 tert-Butylbenzene
 Concen: 50.152 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	438810		
91	61.2	29.8	89.3	
134	21.7	11.1	33.1	

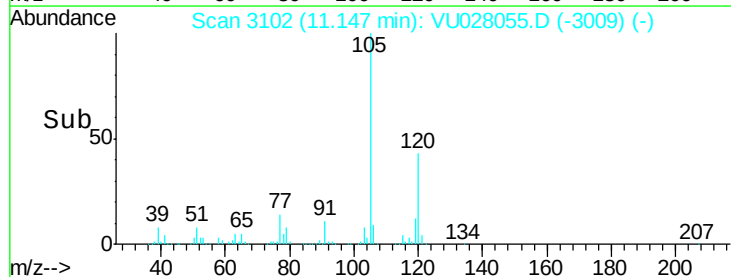
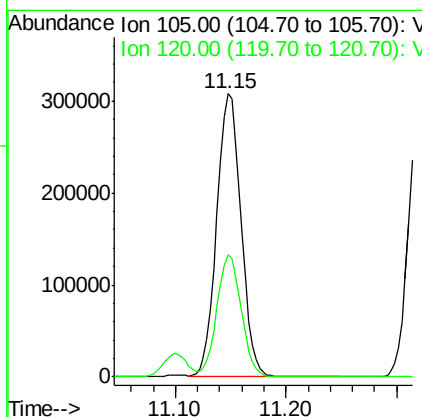
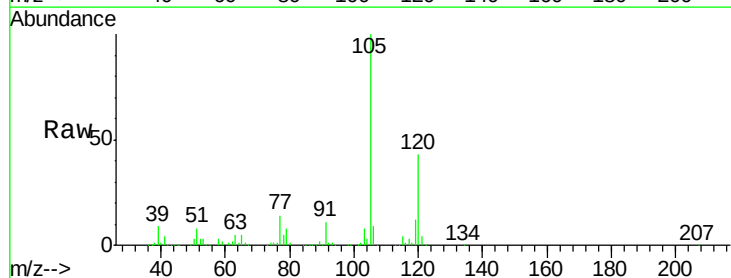
Manual Integrations
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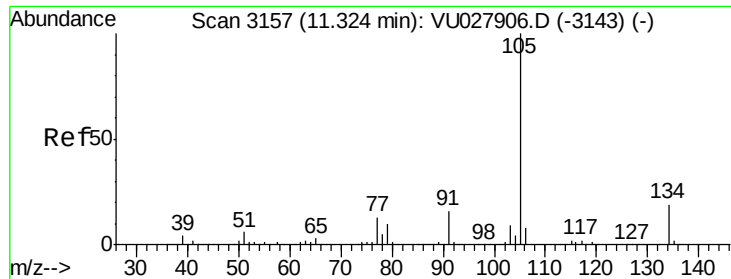
MMDadoda
 11/13/2018 12:12:39 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.266 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	469435		
120	42.9	22.1	66.1	





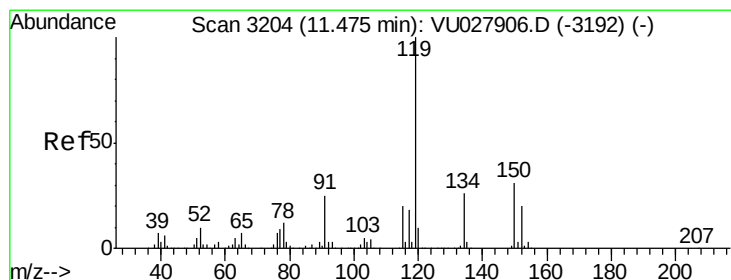
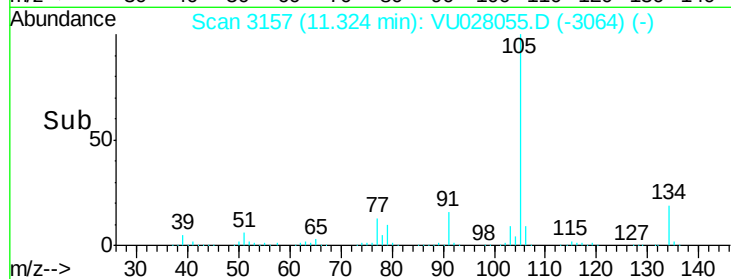
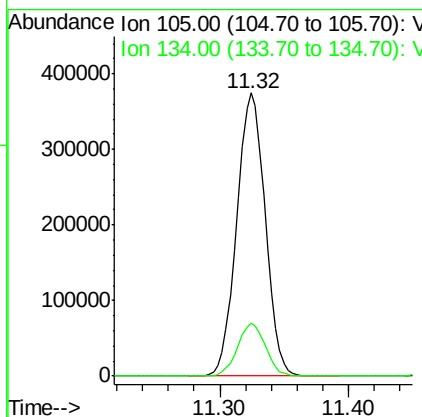
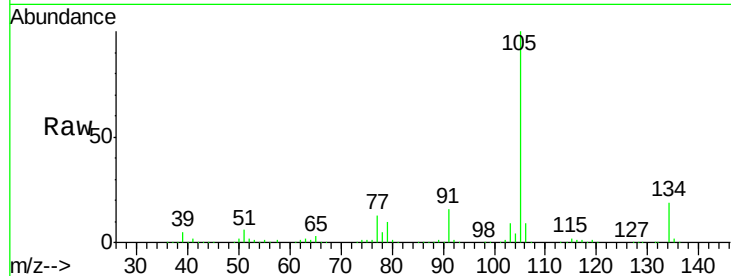
#85
 sec-Butylbenzene
 Concen: 53.915 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 573703
 Ion Ratio Lower Upper
 105 100
 134 18.3 9.2 27.6

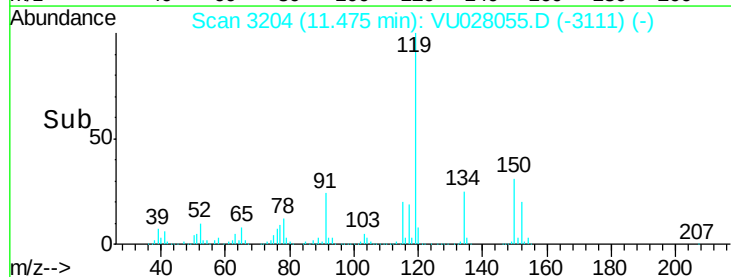
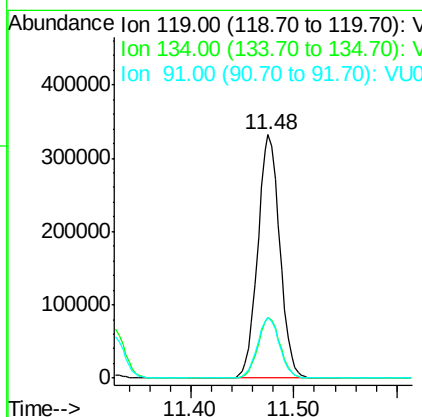
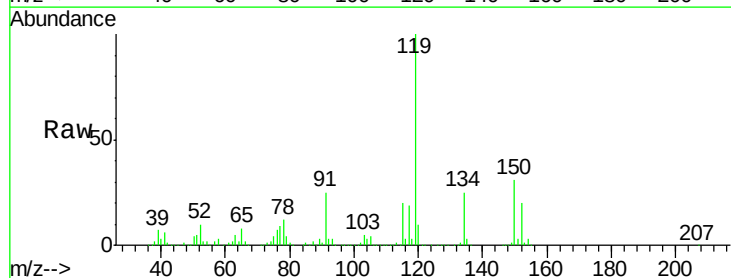
Manual Integrations
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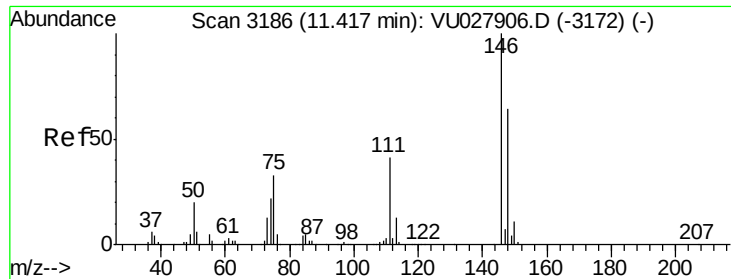
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 11/13/2018 12:12:39 PM



#86
 p-Isopropyltoluene
 Concen: 54.864 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion:119 Resp: 488042
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.9 38.7
 91 25.1 12.4 37.2





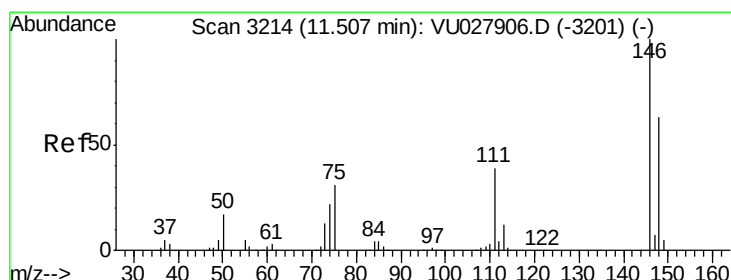
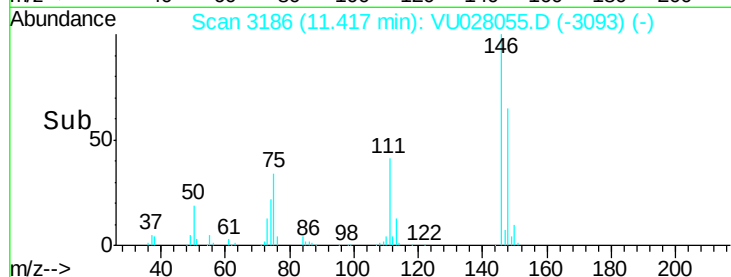
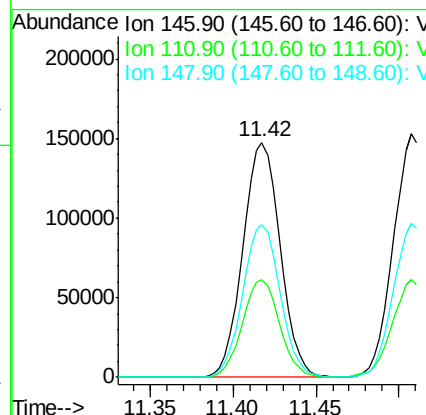
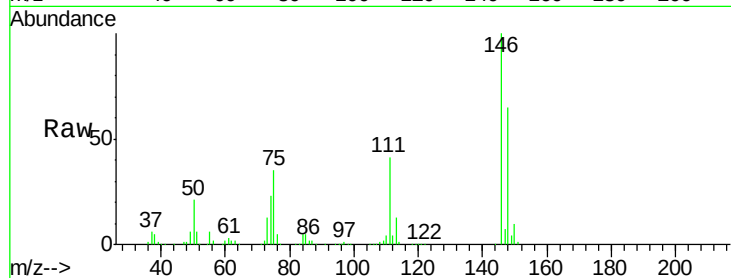
#87
 1,3-Dichlorobenzene
 Concen: 51.623 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.3	61.0
148	65.2	31.8	95.4

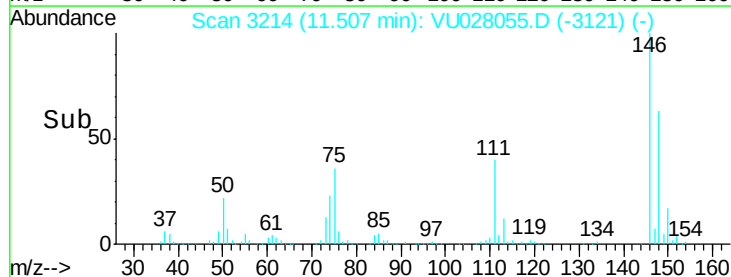
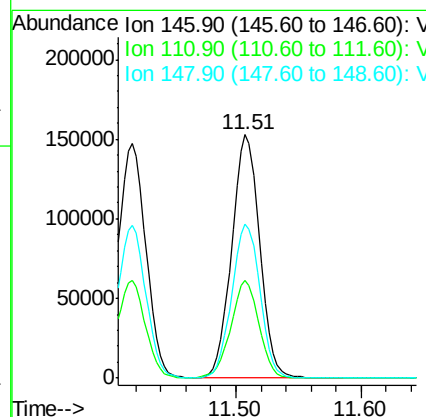
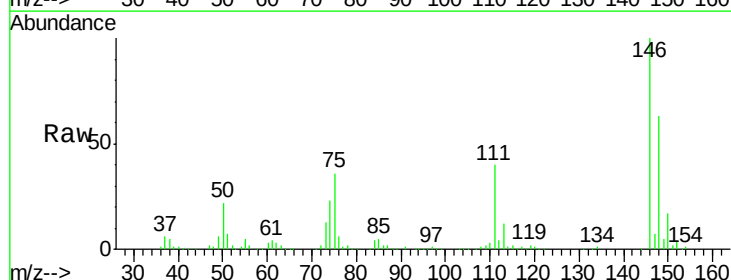
Manual Integrations
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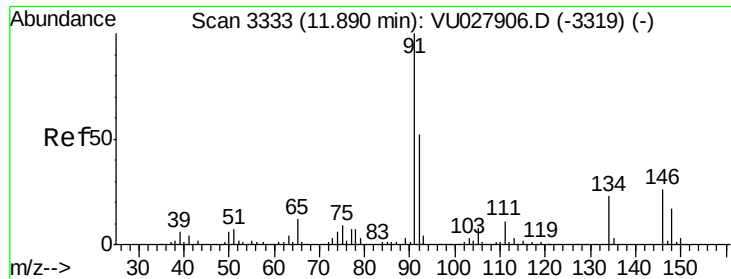
MMDadoda
 11/13/2018 12:12:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.400 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.9
148	64.2	32.0	96.2





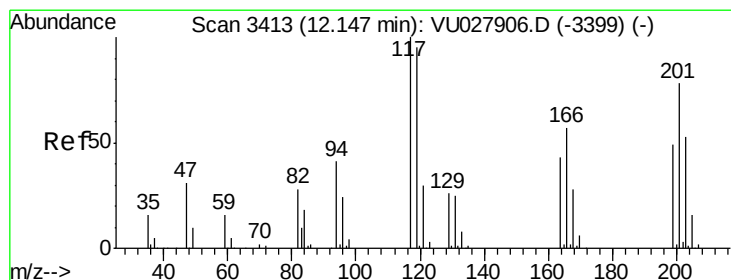
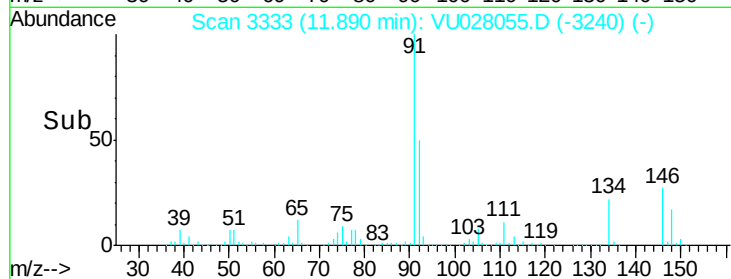
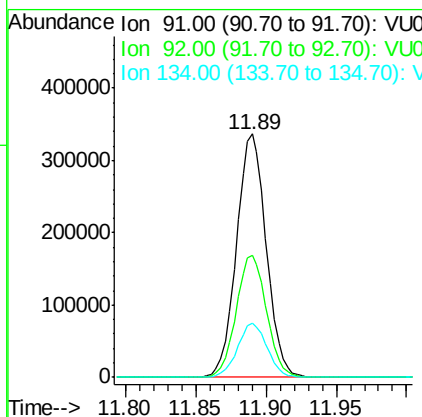
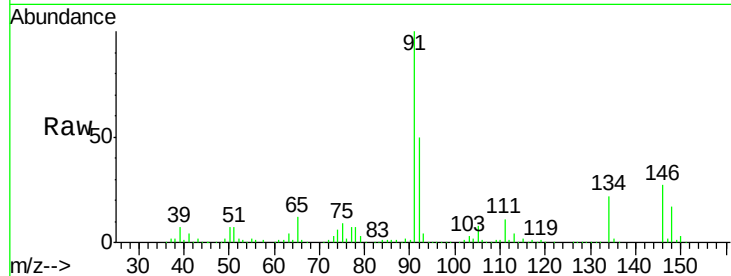
#89
n-Butylbenzene
Concen: 58.772 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 496861
Ion Ratio Lower Upper
91 100
92 51.1 26.2 78.5
134 22.2 11.5 34.5

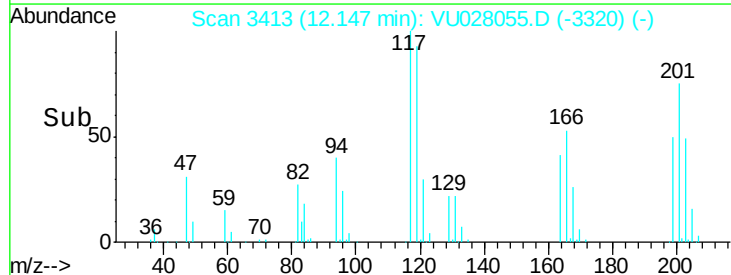
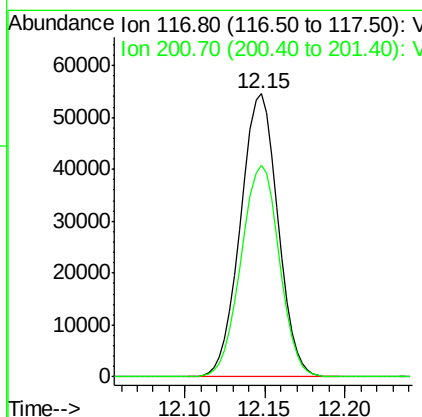
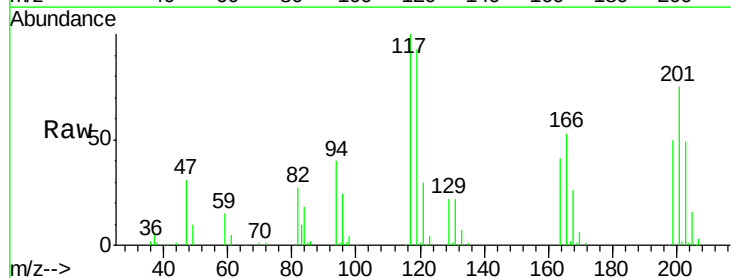
Manual Integrations
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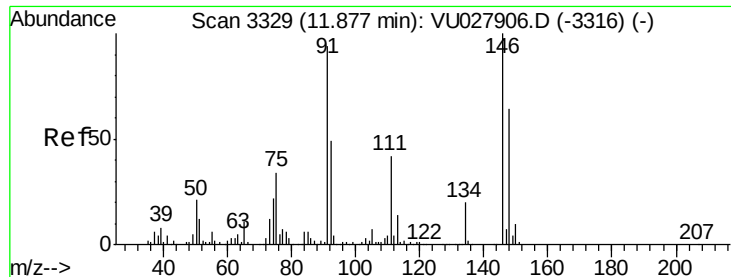
MMDadoda
11/13/2018 12:12:39 PM



#90
Hexachloroethane
Concen: 54.989 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion: 117 Resp: 87087
Ion Ratio Lower Upper
117 100
201 76.5 38.5 115.5





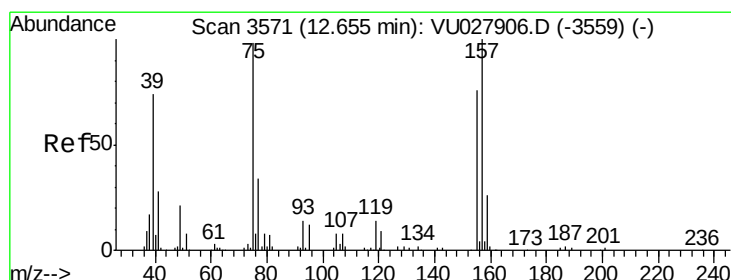
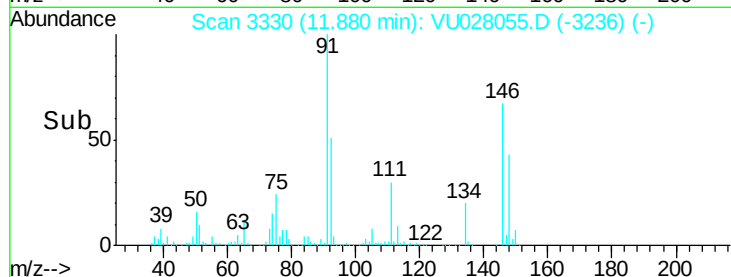
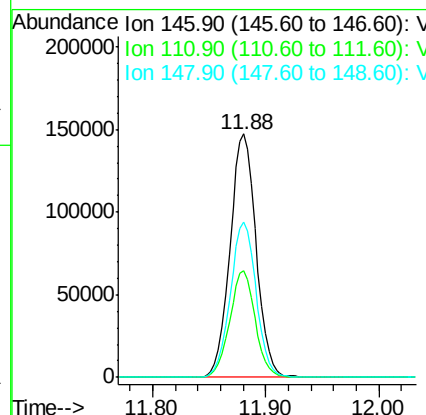
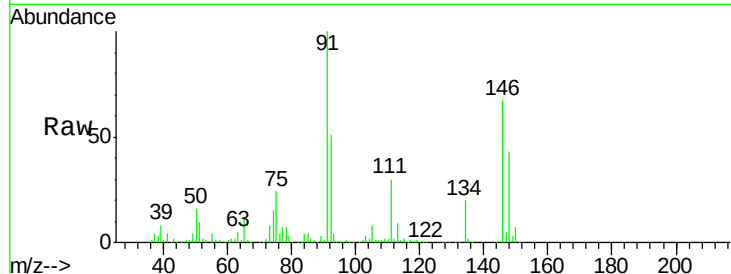
#91
 1,2-Dichlorobenzene
 Concen: 52.333 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	235524		
111	42.9	21.3	64.0	
148	63.3	31.8	95.3	

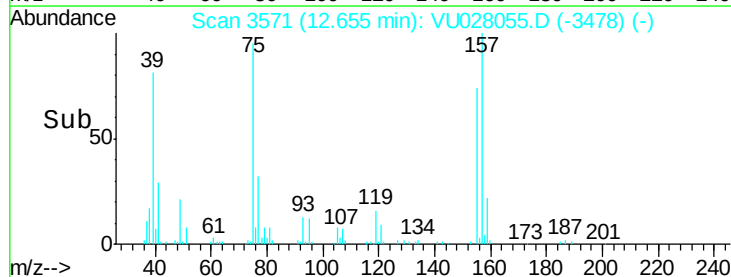
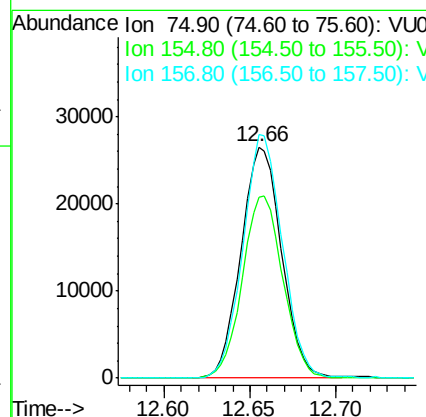
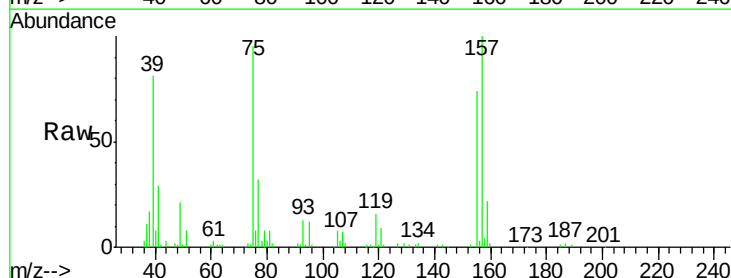
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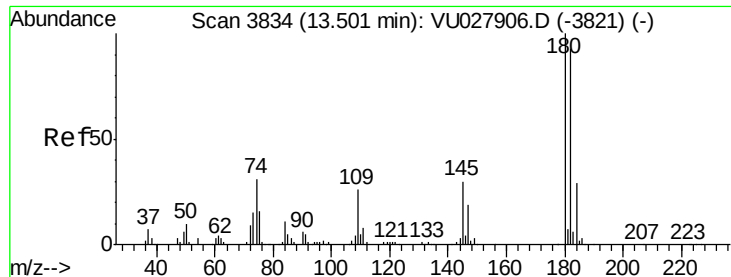
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.523 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43573		
155	78.5	39.8	119.3	
157	102.3	50.6	151.9	





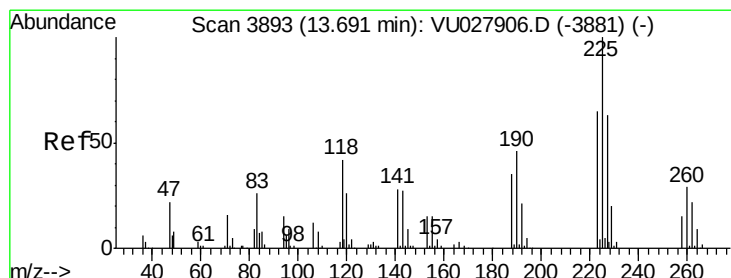
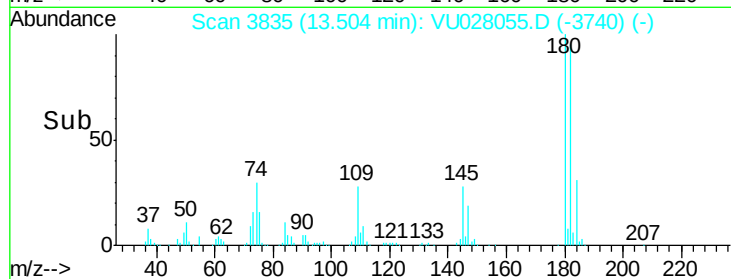
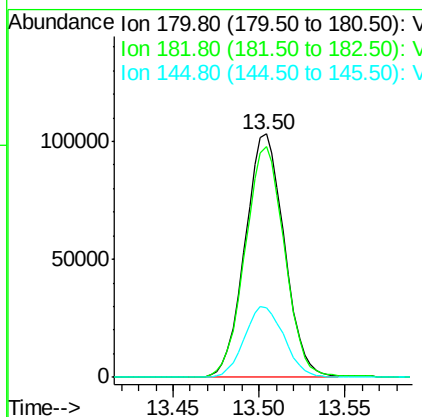
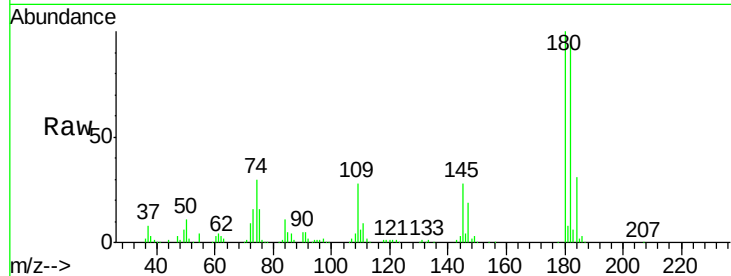
#93
 1,2,4-Trichlorobenzene
 Concen: 51.583 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.2
145	29.5	14.9	44.5

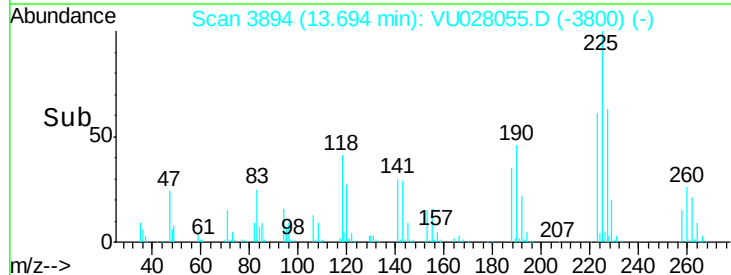
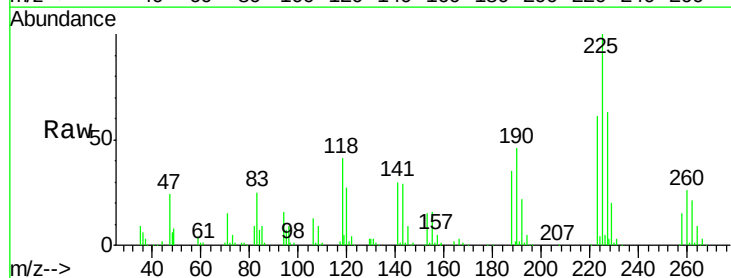
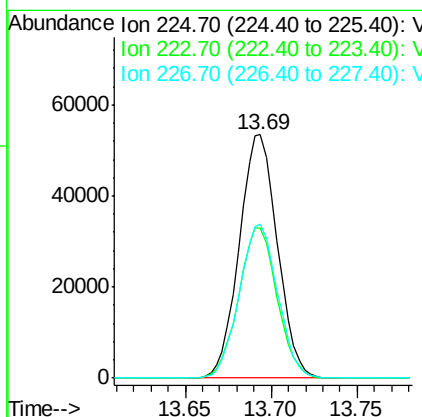
Manual Integrations
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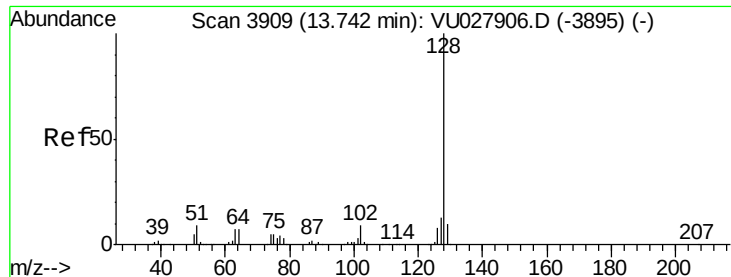
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#94
 Hexachlorobutadiene
 Concen: 57.400 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU028055.D
 Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.2	96.6
227	63.7	32.5	97.4





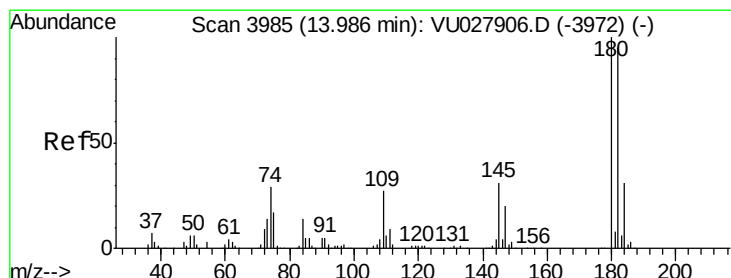
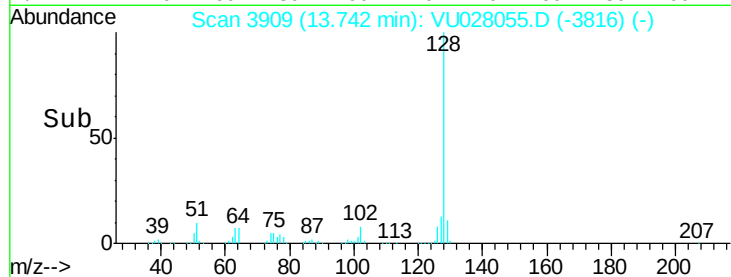
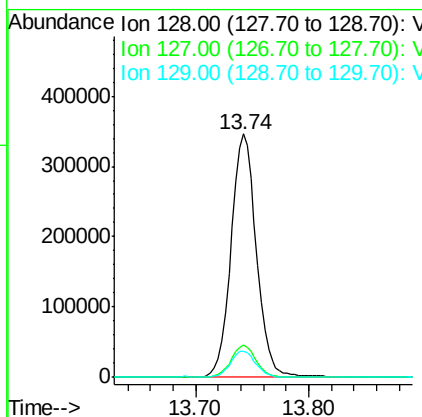
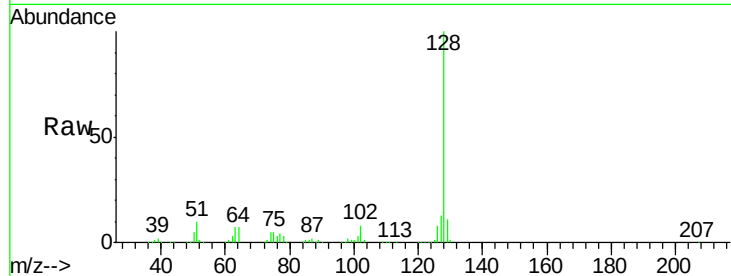
#95
Naphthalene
Concen: 48.299 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	540378		
127	13.0		10.4	15.6
129	10.8		8.3	12.5

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 54.707 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028055.D
Acq: 12 Nov 2018 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	165211		
182	95.3		47.4	142.3
145	32.1		16.0	47.9

