

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110918\
 Data File : VU028033.D
 Acq On : 09 Nov 2018 10:36
 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
 11/12/2018 12:01:43 PM

Quant Time: Nov 12 06:21:11 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	192054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336805	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	310986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	156645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	154212	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	4.88	113	115294	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
50) Toluene-d8	7.57	98	456563	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
62) 4-Bromofluorobenzene	10.31	95	169434	56.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	98625	40.414	ug/l	99
3) Chloromethane	1.33	50	145174	49.188	ug/l	98
4) Vinyl Chloride	1.40	62	143205	48.887	ug/l	100
5) Bromomethane	1.62	94	66562	54.259	ug/l	98
6) Chloroethane	1.69	64	86752	51.390	ug/l	100
7) Trichlorofluoromethane	1.89	101	168395	49.748	ug/l	98
8) Diethyl Ether	2.11	74	75509	52.097	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	101797	50.624	ug/l	100
10) Methyl Iodide	2.41	142	99068	53.078	ug/l	99
11) Tert butyl alcohol	2.82	59	175639	232.354	ug/l	100
12) 1,1-Dichloroethene	2.29	96	96569	47.977	ug/l	97
13) Acrolein	2.20	56	54014	192.699	ug/l	99
14) Allyl chloride	2.59	41	239205	48.624	ug/l	97
15) Acrylonitrile	2.94	53	469204	252.691	ug/l	100
16) Acetone	2.32	43	454139	256.348	ug/l	100
17) Carbon Disulfide	2.48	76	325210	49.431	ug/l	99
18) Methyl Acetate	2.61	43	236244	48.477	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	411326	50.674	ug/l	98
20) Methylene Chloride	2.70	84	126883	49.054	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	111753	48.109	ug/l	97
22) Diisopropyl ether	3.57	45	505980	49.819	ug/l	99
23) Vinyl Acetate	3.52	43	2219721	254.303	ug/l	99
24) 1,1-Dichloroethane	3.45	63	253060	50.023	ug/l	99
25) 2-Butanone	4.26	43	712588	252.833	ug/l	99
26) 2,2-Dichloropropane	4.23	77	201668	53.120	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	135717	52.101	ug/l	99
28) Bromochloromethane	4.55	49	127537	53.776	ug/l	99
29) Tetrahydrofuran	4.64	42	442857	235.316	ug/l	98
30) Chloroform	4.67	83	230621	49.719	ug/l	100
31) Cyclohexane	5.00	56	246949	49.735	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	189286	51.264	ug/l	100
36) 1,1-Dichloropropene	5.14	75	179040	50.756	ug/l	99
37) Ethyl Acetate	4.38	43	248884	48.154	ug/l	99
38) Carbon Tetrachloride	5.14	117	154282	49.353	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	222611	52.323	ug/l	98
40) Benzene	5.39	78	539035	49.981	ug/l	99
41) Methacrylonitrile	4.54	41	139638	50.625	ug/l	98
42) 1,2-Dichloroethane	5.40	62	189030	49.310	ug/l	99
43) Isopropyl Acetate	5.55	43	401335	49.562	ug/l	99
44) Trichloroethene	6.19	130	118364	51.058	ug/l	100
45) 1,2-Dichloropropane	6.43	63	156546	50.332	ug/l	96
46) Dibromomethane	6.56	93	90045	50.366	ug/l	98
47) Bromodichloromethane	6.76	83	179367	52.061	ug/l	100
48) Methyl methacrylate	6.62	41	202118	50.935	ug/l	99
49) 1,4-Dioxane	6.61	88	67025	1035.286	ug/l	95
51) 4-Methyl-2-Pentanone	7.46	43	1314436	243.062	ug/l	99
52) Toluene	7.64	92	318192	50.185	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	216516	50.661	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	231999	54.623	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	133062	51.584	ug/l	98
56) Ethyl methacrylate	8.02	69	239029	52.546	ug/l	98
57) 1,3-Dichloropropane	8.24	76	237693	50.585	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	644562	264.563	ug/l	99
59) 2-Hexanone	8.36	43	1045342	249.928	ug/l	99
60) Dibromochloromethane	8.48	129	130784	53.579	ug/l	100
61) 1,2-Dibromoethane	8.59	107	142361	51.939	ug/l	99
64) Tetrachloroethene	8.23	164	103150	51.153	ug/l	99
65) Chlorobenzene	9.12	112	335850	51.116	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	116382	51.859	ug/l	99
67) Ethyl Benzene	9.25	91	630234	52.112	ug/l	99
68) m/p-Xylenes	9.38	106	467787	106.603	ug/l	99
69) o-Xylene	9.78	106	224053	50.564	ug/l	98
70) Styrene	9.79	104	374471	52.891	ug/l	99
71) Bromoform	9.96	173	102471	54.483	ug/l #	99
73) Isopropylbenzene	10.17	105	613996	50.597	ug/l	100
74) N-amyl acetate	10.01	43	370333	50.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	235663	48.144	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	204966m	47.837	ug/l	
77) Bromobenzene	10.45	156	141995	51.030	ug/l	99
78) n-propylbenzene	10.59	91	761868	52.450	ug/l	99
79) 2-Chlorotoluene	10.66	91	431229	49.528	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	517216	51.451	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	85370m	49.748	ug/l	
82) 4-Chlorotoluene	10.77	91	507030	51.295	ug/l	98
83) tert-Butylbenzene	11.10	119	496692	49.424	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	529479	52.307	ug/l	99
85) sec-Butylbenzene	11.32	105	641047	52.450	ug/l	100
86) p-Isopropyltoluene	11.48	119	540904	52.940	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	266353	51.817	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	265878	50.465	ug/l	99
89) n-Butylbenzene	11.89	91	542567	55.875	ug/l	100
90) Hexachloroethane	12.15	117	95533	52.518	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	262774	50.834	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	53476	51.846	ug/l	99

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ClientSampleId :
VSTDCCC050

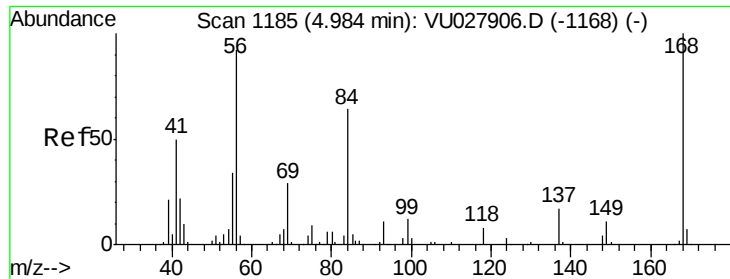
Manual Integrations
APPROVED

MMDadoda
11/12/2018 12:01:43 PM

Quant Time: Nov 12 06:21:11 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)
93) 1,2,4-Trichlorobenzene	13.50	180	186341	51.382	ug/l	98
94) Hexachlorobutadiene	13.69	225	89375	54.401	ug/l	98
95) Naphthalene	13.74	128	647467	50.391	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	185476	53.472	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 192054

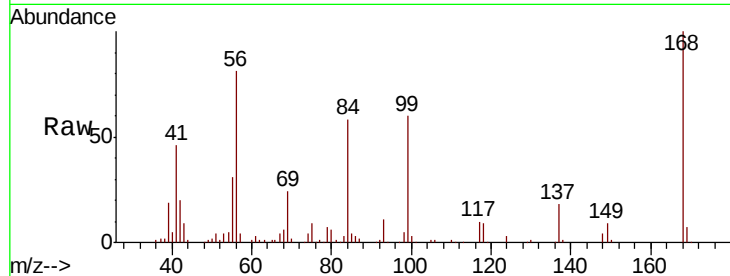
Ion Ratio Lower Upper

168 100

99 59.3 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) (-)

4.98

80000

60000

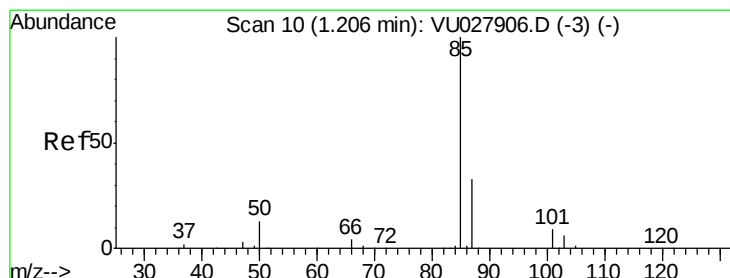
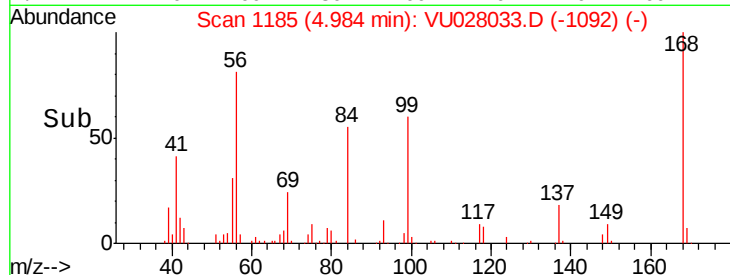
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.414 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028033.D

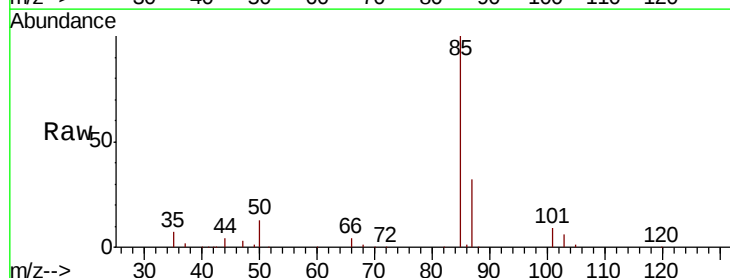
Acq: 09 Nov 2018 10:36

Tgt Ion: 85 Resp: 98625

Ion Ratio Lower Upper

85 100

87 32.3 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) (-)

1.21

100000

80000

60000

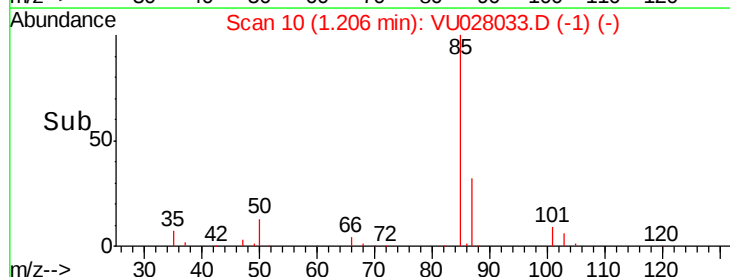
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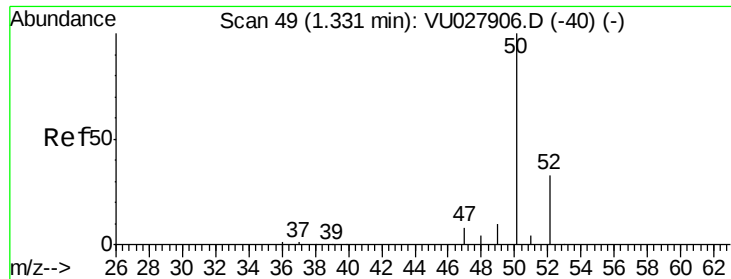
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1.15 1.20 1.25 1.30

Time-->





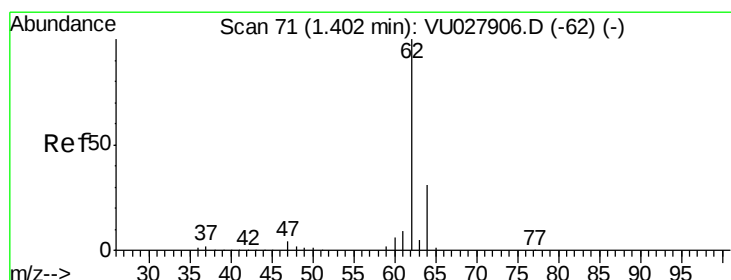
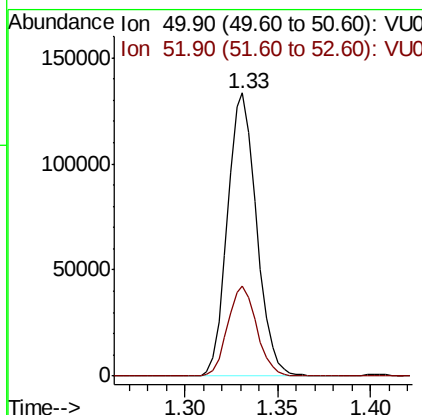
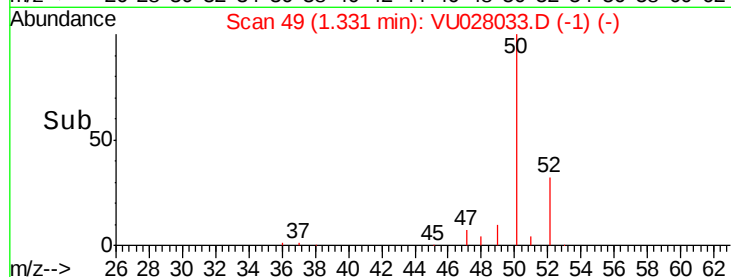
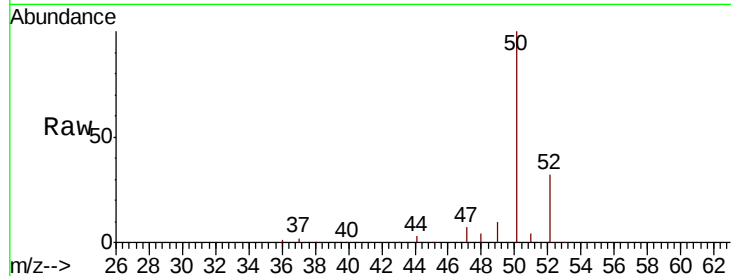
#3
Chloromethane
Concen: 49.188 ug/l
RT: 1.33 min Scan# 49
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.7	26.2	39.4

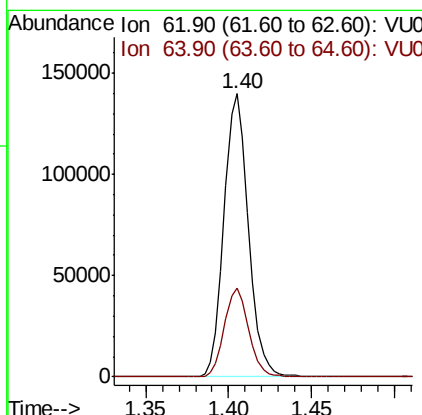
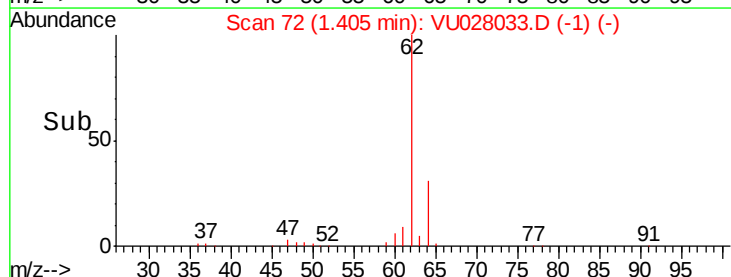
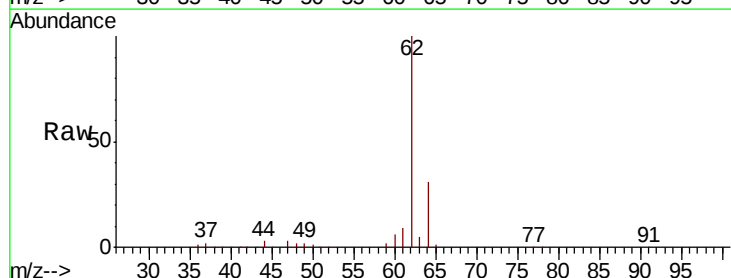
Manual Integrations
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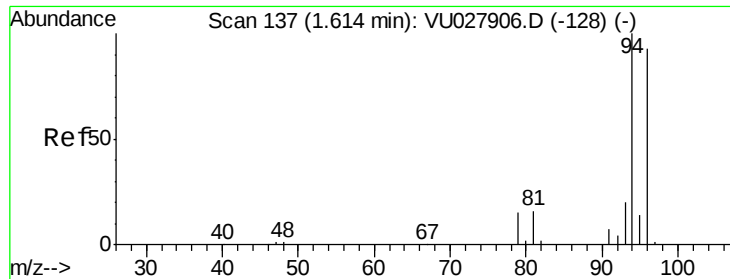
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#4
Vinyl Chloride
Concen: 48.887 ug/l
RT: 1.40 min Scan# 72
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8





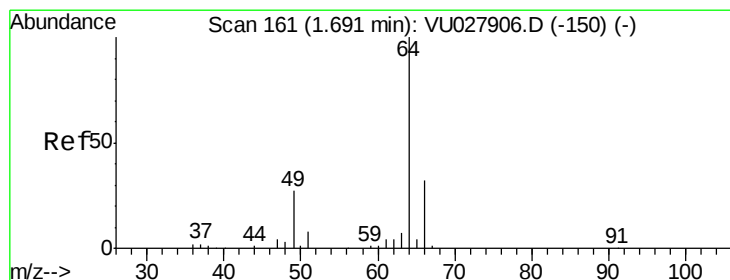
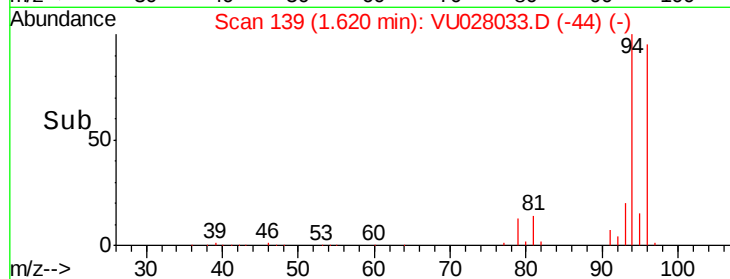
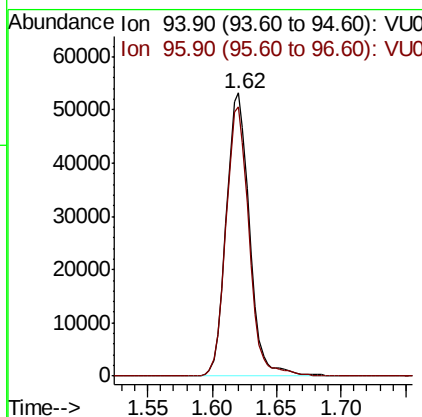
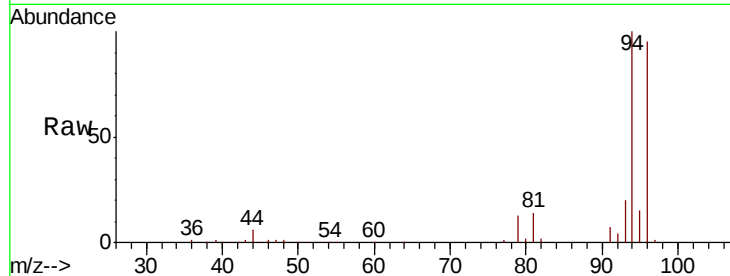
#5
Bromomethane
Concen: 54.259 ug/l
RT: 1.62 min Scan# 139
Delta R.T. 0.01 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 66562
Ion Ratio Lower Upper
94 100
96 95.3 74.8 112.2

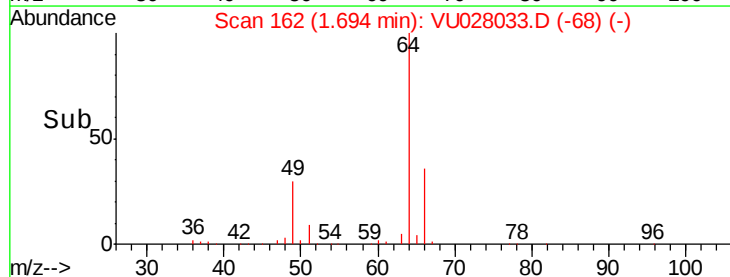
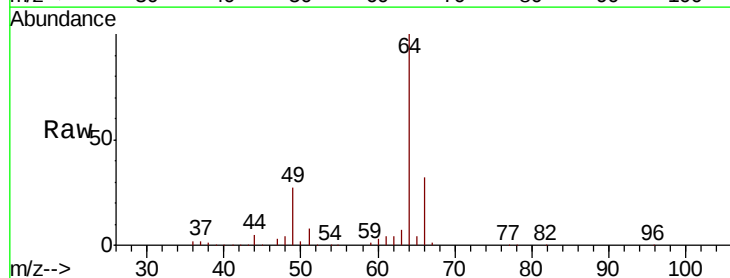
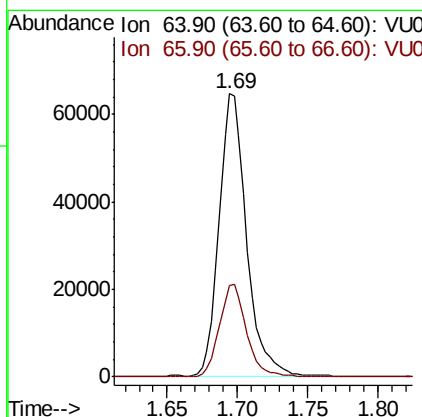
Manual Integrations
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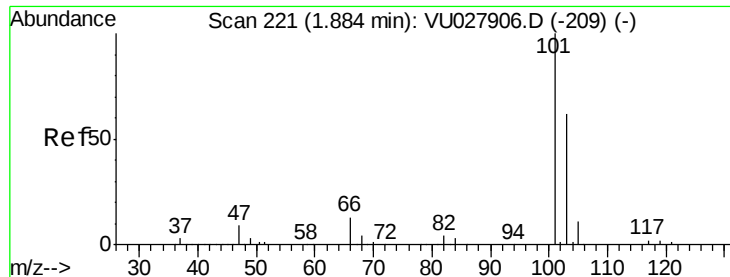
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#6
Chloroethane
Concen: 51.390 ug/l
RT: 1.69 min Scan# 162
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 64 Resp: 86752
Ion Ratio Lower Upper
64 100
66 32.2 25.9 38.9





#7

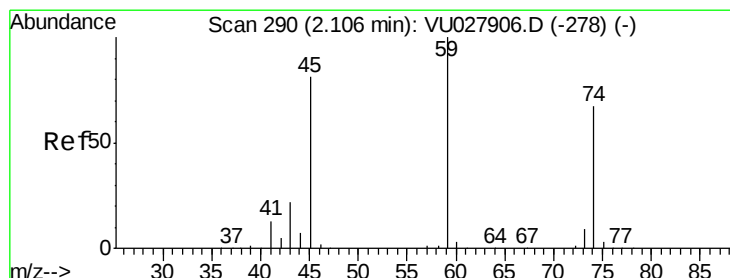
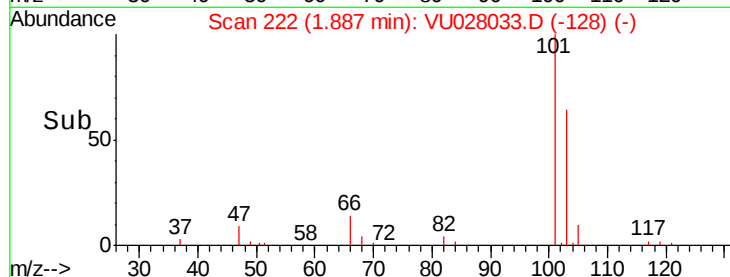
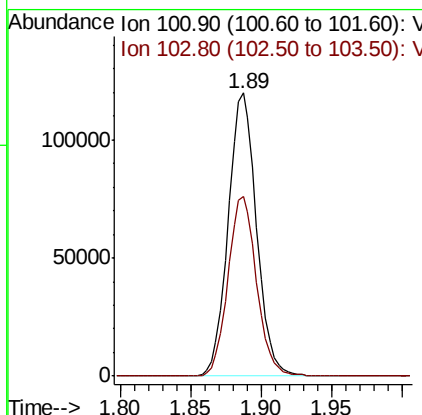
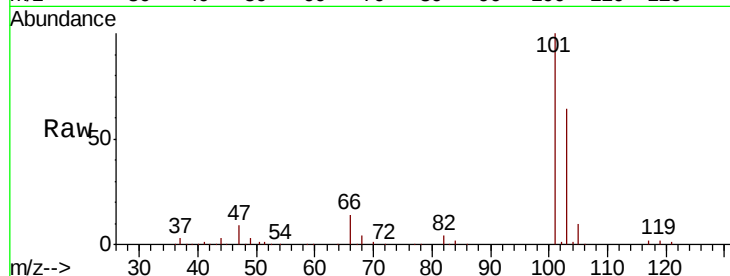
Trichlorofluoromethane
 Concen: 49.748 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.4	74.2

Manual Integrations
 APPROVED

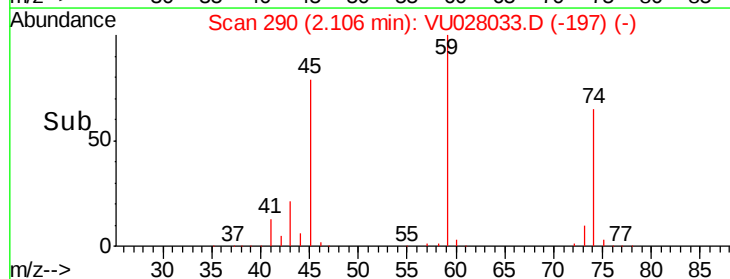
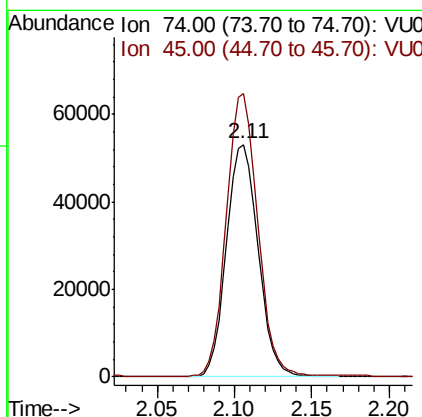
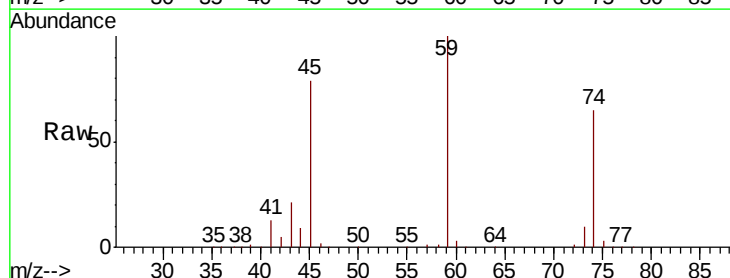
MMDadoda
 11/12/2018 12:01:43 PM

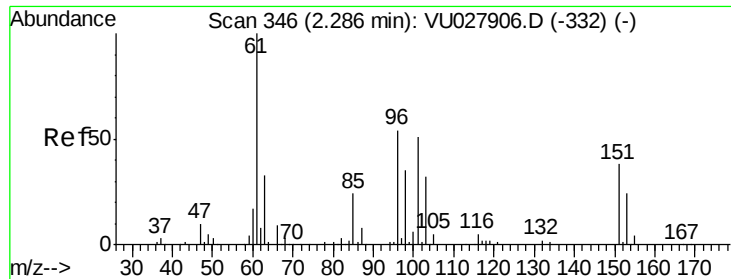


#8

Diethyl Ether
 Concen: 52.097 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.4	60.5	181.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.624 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

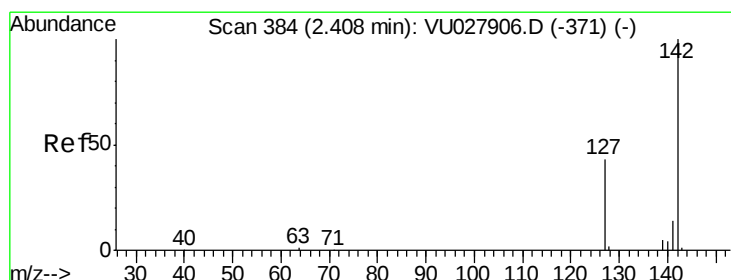
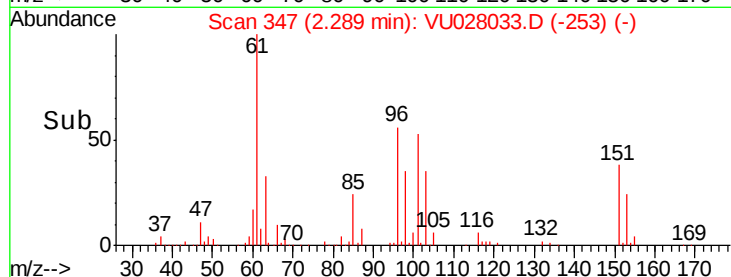
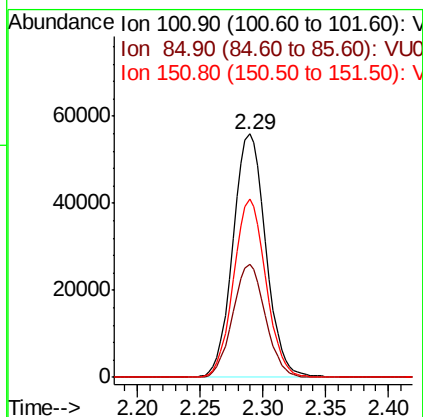
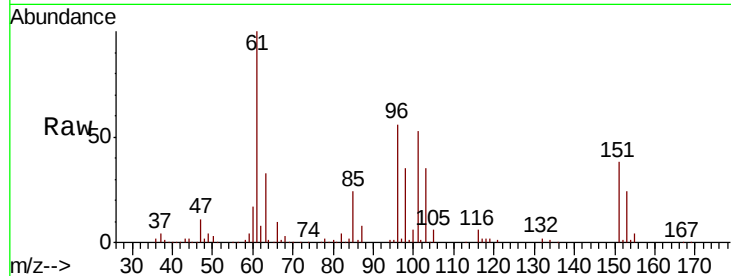
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101797
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.9	55.3
151	72.2	58.0	87.0

Manual Integrations
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#10

Methyl Iodide

Concen: 53.078 ug/l

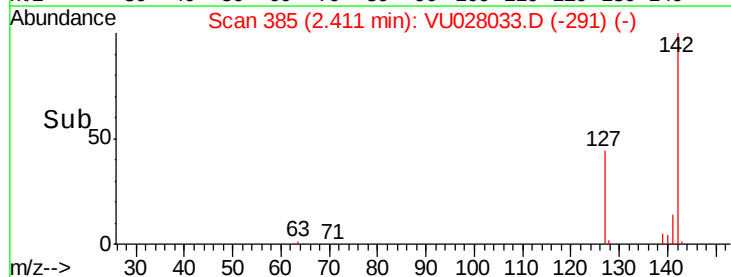
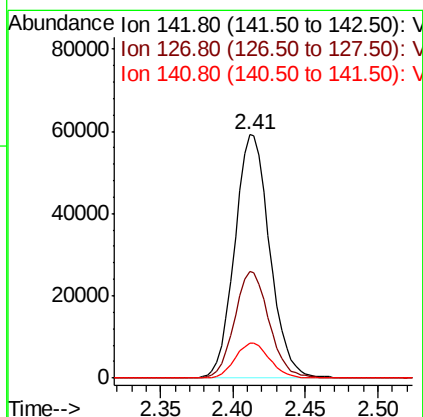
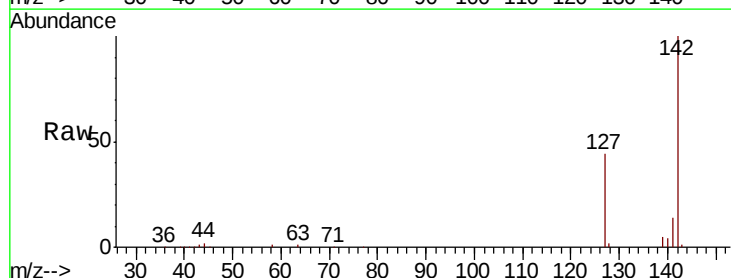
RT: 2.41 min Scan# 385

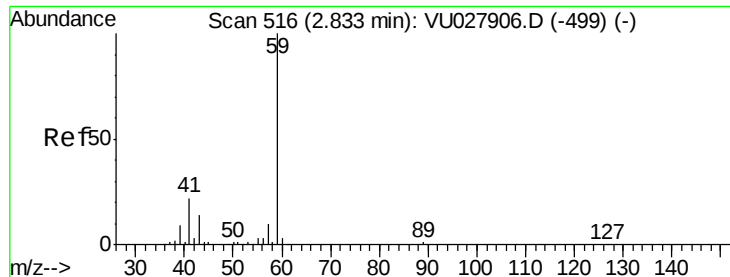
Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion:	142	Resp:	99068
Ion Ratio	Lower	Upper	
142	100		
127	43.2	35.2	52.8
141	14.2	11.8	17.8





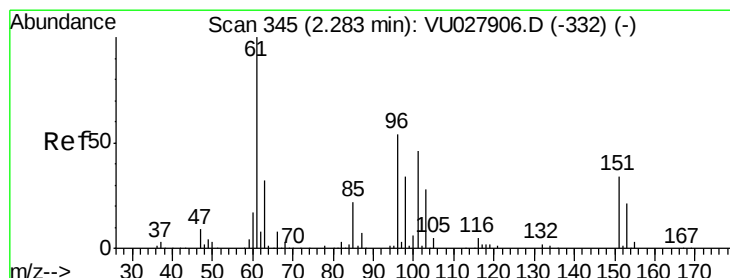
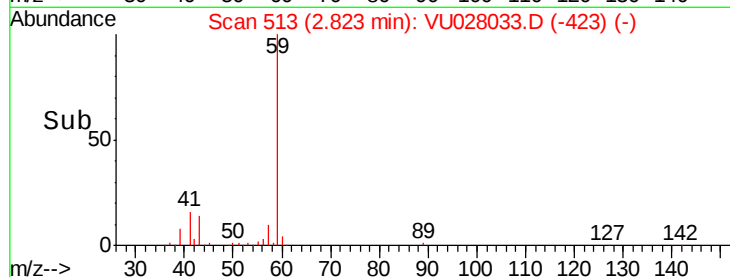
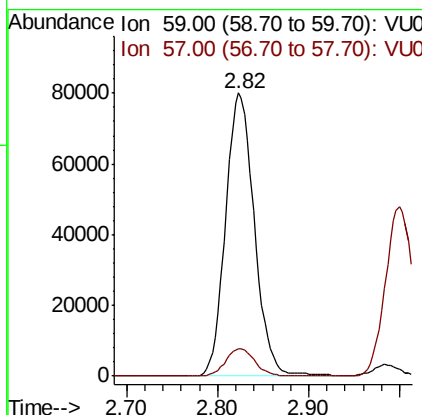
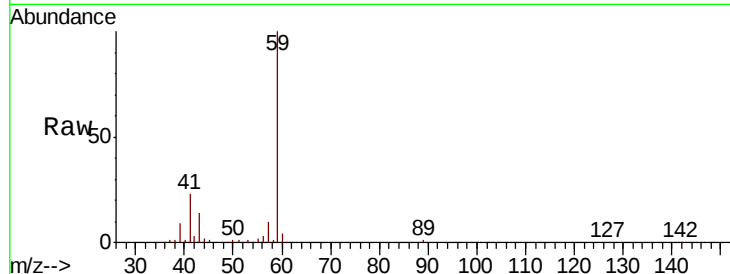
#11
Tert butyl alcohol
Concen: 232.354 ug/l
RT: 2.82 min Scan# 513
Delta R.T. -0.01 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

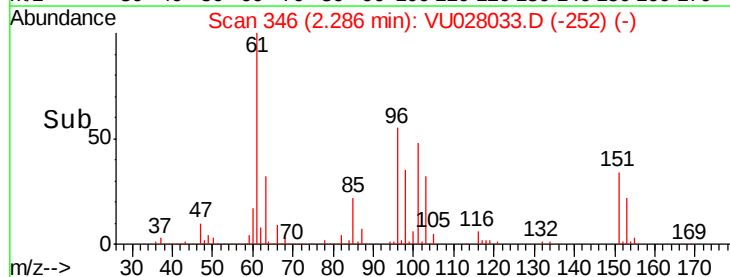
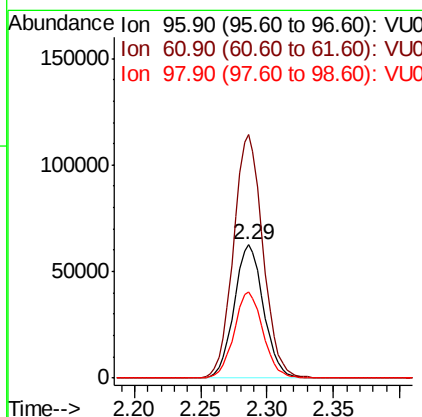
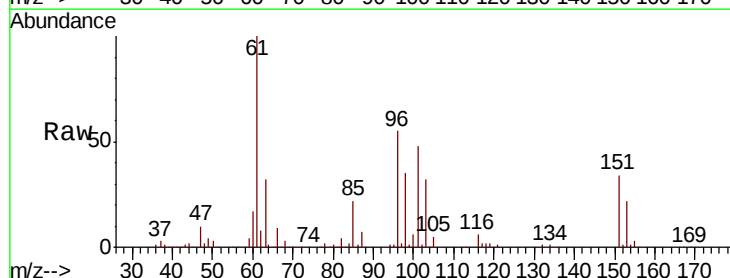
Manual Integrations
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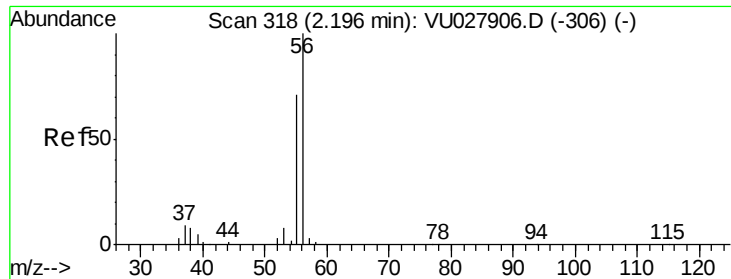
MMDadoda
11/12/2018 12:01:43 PM



#12
1,1-Dichloroethene
Concen: 47.977 ug/l
RT: 2.29 min Scan# 346
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.5	149.3	223.9
98	64.8	50.6	75.8





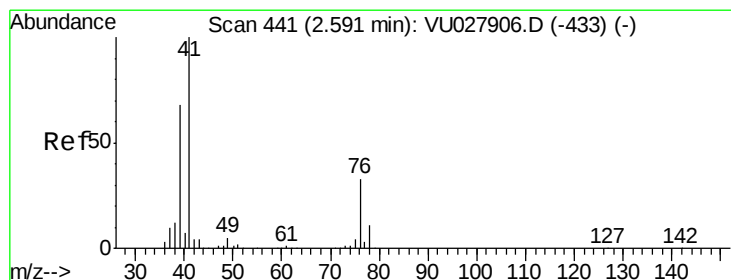
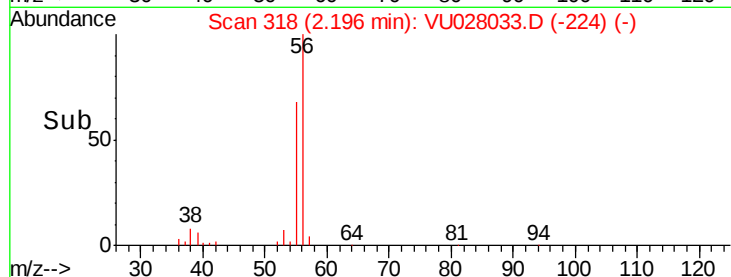
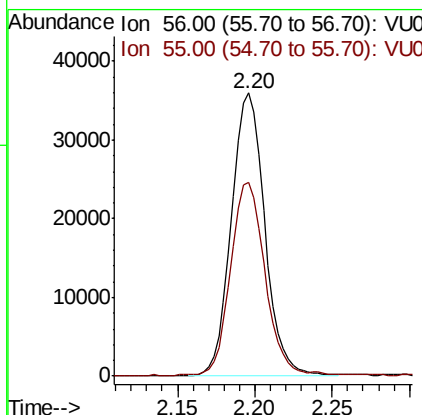
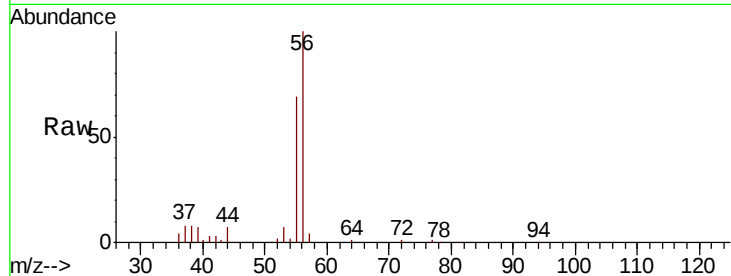
#13
Acrolein
Concen: 192.699 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.4		56.2	84.4	

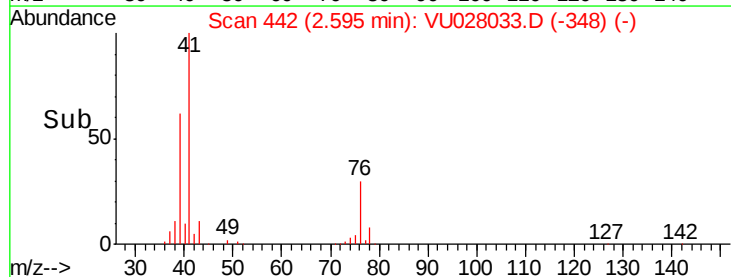
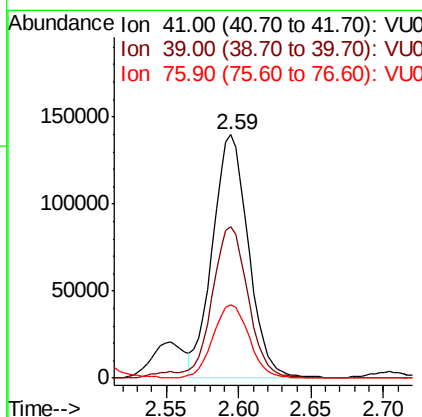
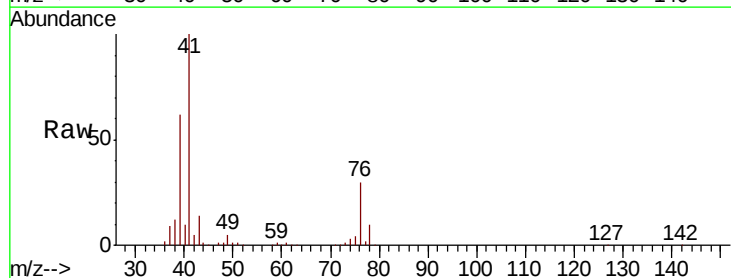
Manual Integrations
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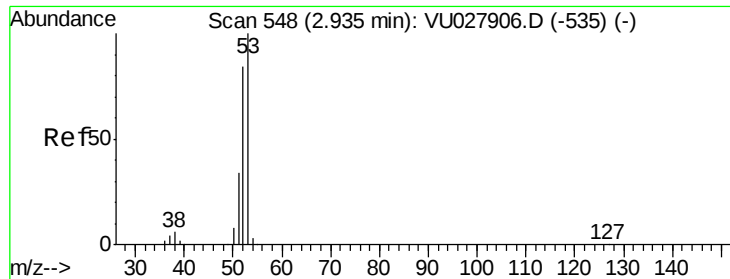
MMDadoda
11/12/2018 12:01:43 PM



#14
Allyl chloride
Concen: 48.624 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	61.7			51.9	77.9	
76	30.5			23.8	35.6	





#15

Acrylonitrile

Concen: 252.691 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

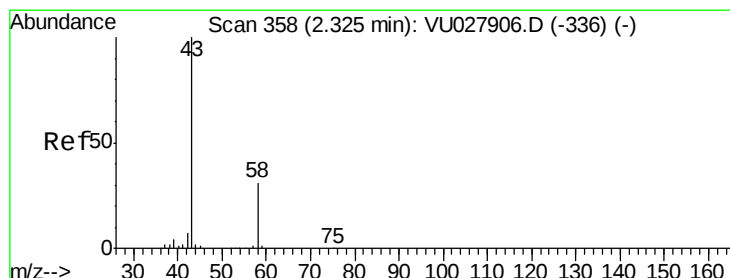
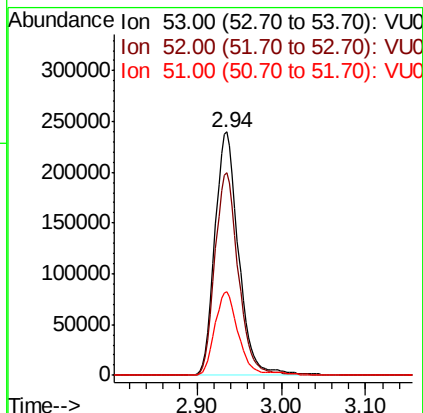
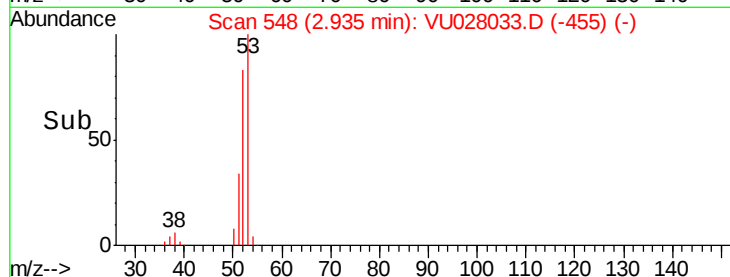
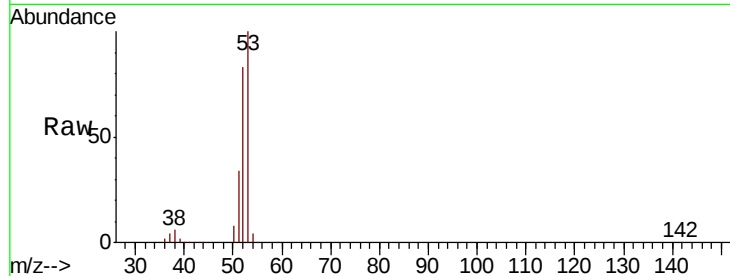
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	469204
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.2	99.2
51	33.7	27.0	40.4

Manual Integrations
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#16

Acetone

Concen: 256.348 ug/l

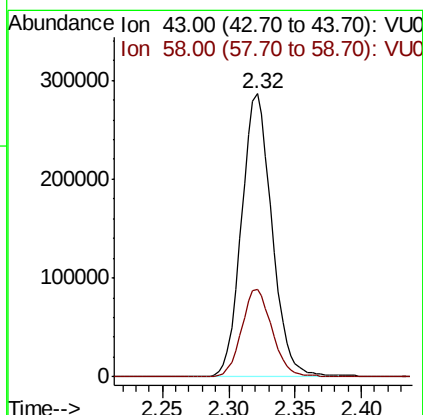
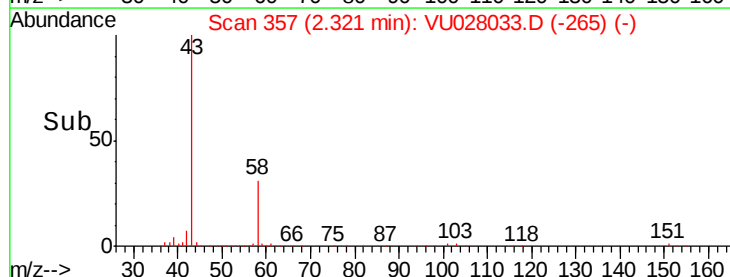
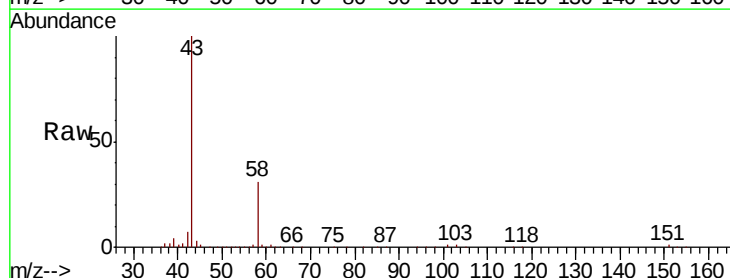
RT: 2.32 min Scan# 357

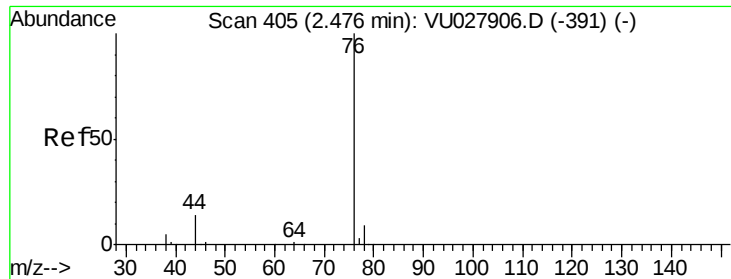
Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion:	43	Resp:	454139
Ion	Ratio	Lower	Upper
43	100		
58	31.1	24.6	37.0





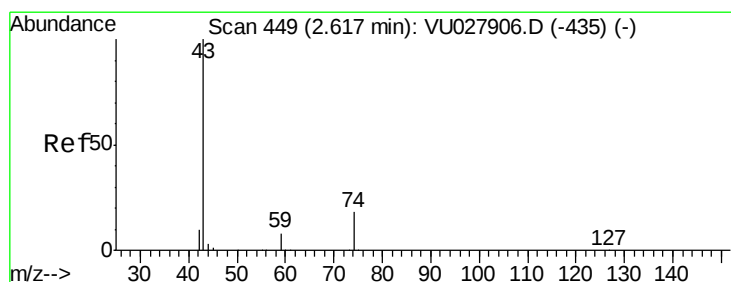
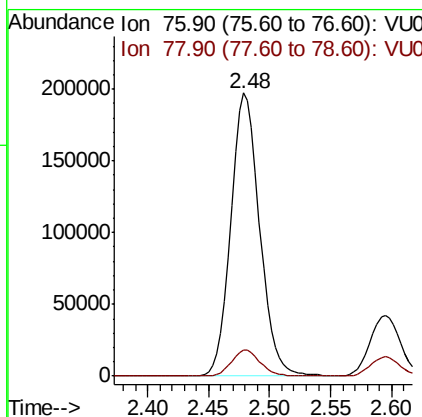
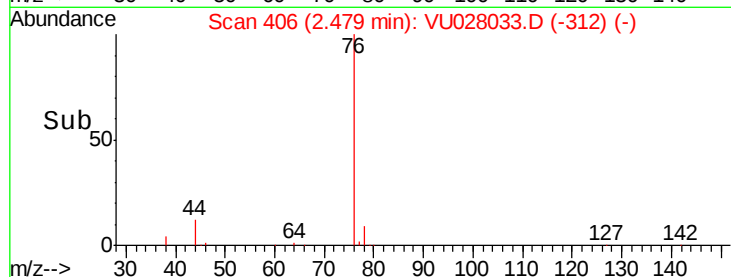
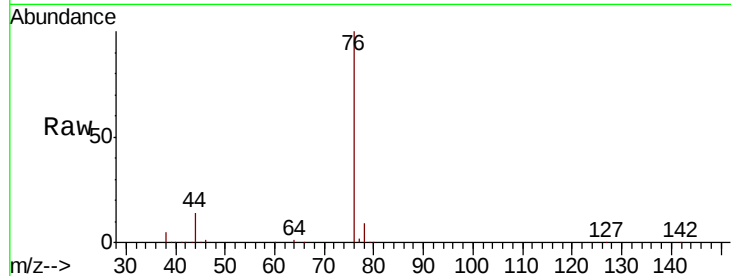
#17
Carbon Disulfide
Concen: 49.431 ug/l
RT: 2.48 min Scan# 406
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 325210
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

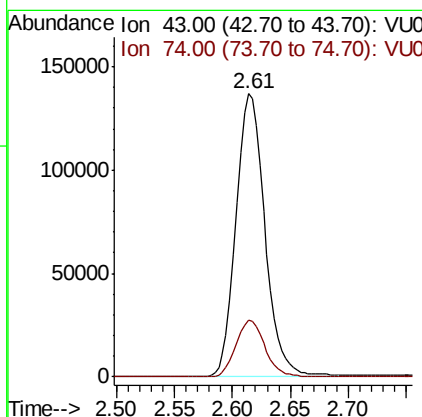
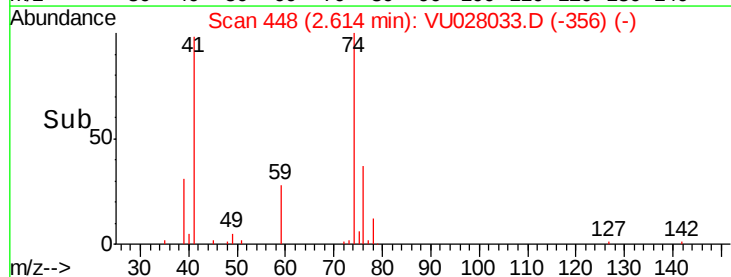
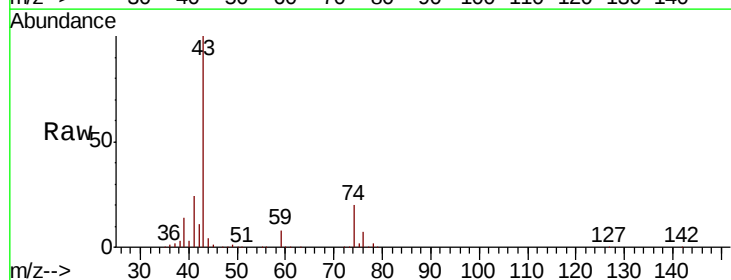
Manual Integrations
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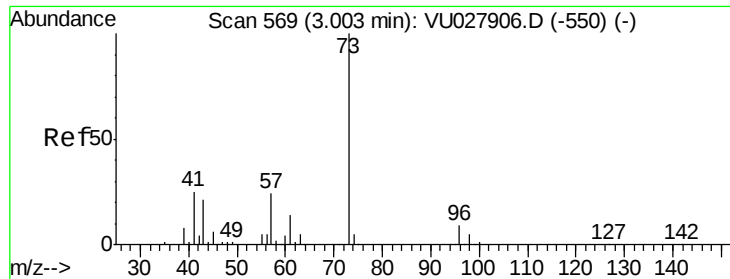
MMDadoda
11/12/2018 12:01:43 PM



#18
Methyl Acetate
Concen: 48.477 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 43 Resp: 236244
Ion Ratio Lower Upper
43 100
74 20.2 14.9 22.3





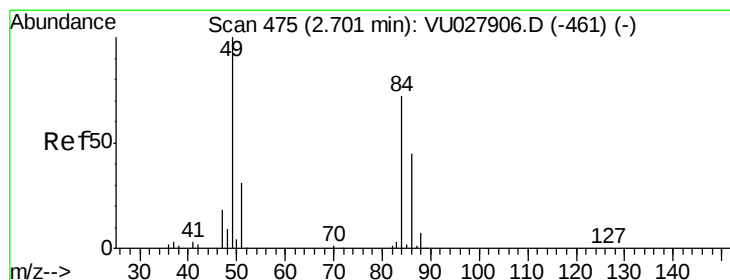
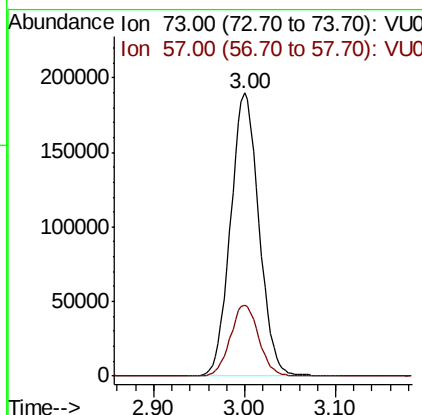
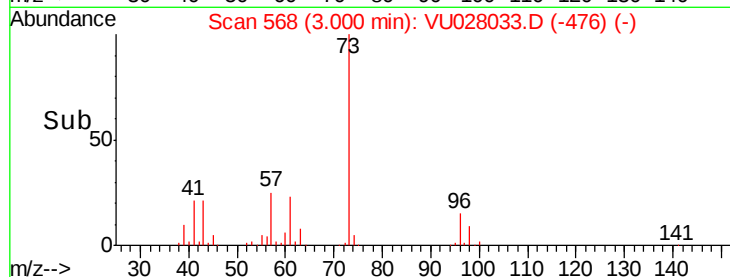
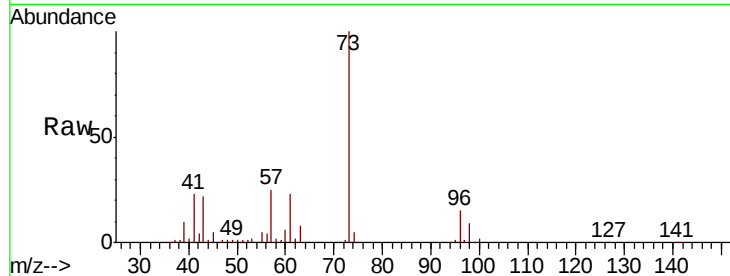
#19
Methvl tert-butvl Ether
Concen: 50.674 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 411326
Ion Ratio Lower Upper
73 100
57 25.2 19.3 28.9

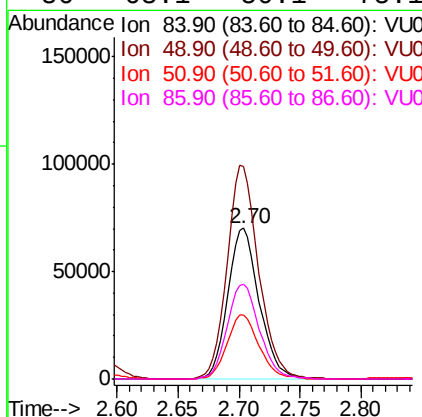
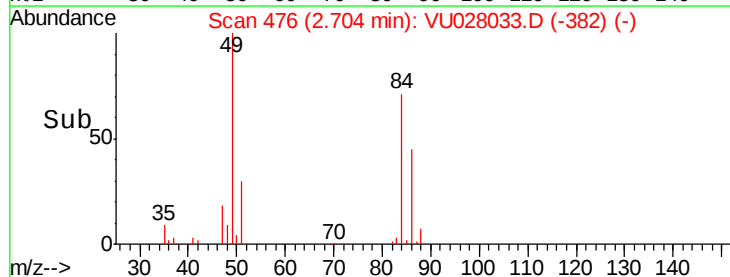
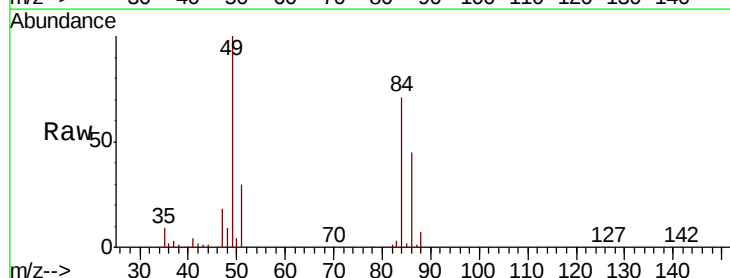
Manual Integrations
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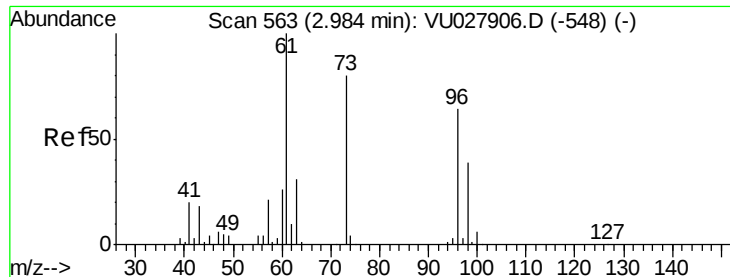
MMDadoda
11/12/2018 12:01:43 PM



#20
Methylene Chloride
Concen: 49.054 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 84 Resp: 126883
Ion Ratio Lower Upper
84 100
49 140.4 111.6 167.4
51 42.3 34.8 52.2
86 63.1 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.109 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 111753

Ion Ratio Lower Upper

96 100

61 159.7 125.0 187.6

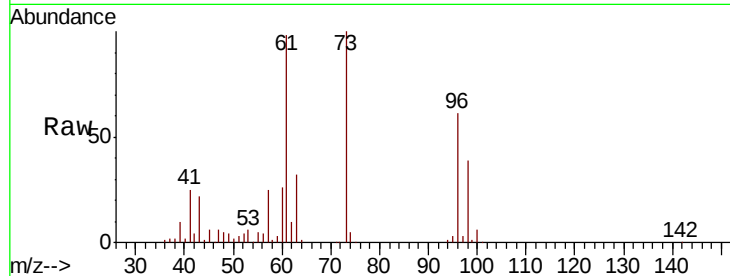
98 64.2 48.2 72.4

Manual Integrations

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11/12/2018 12:01:43 PM

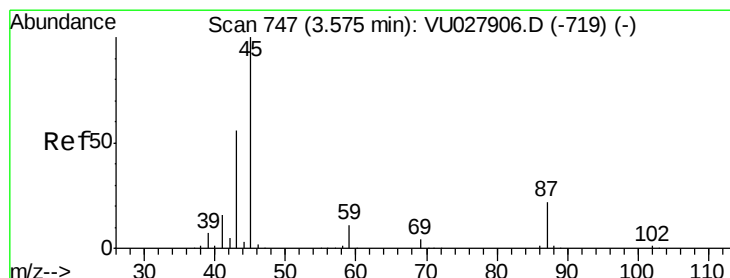
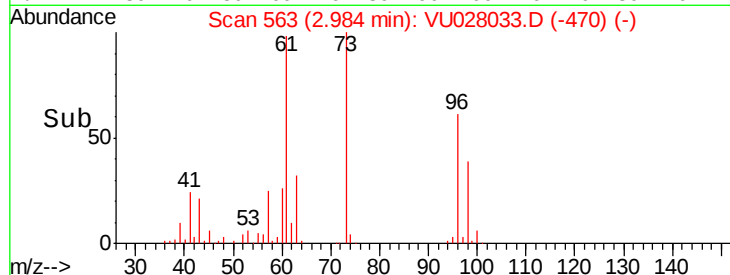
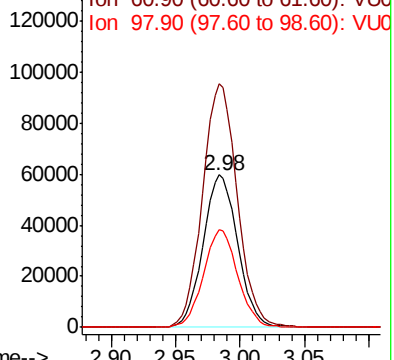


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 49.819 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion: 45 Resp: 505980

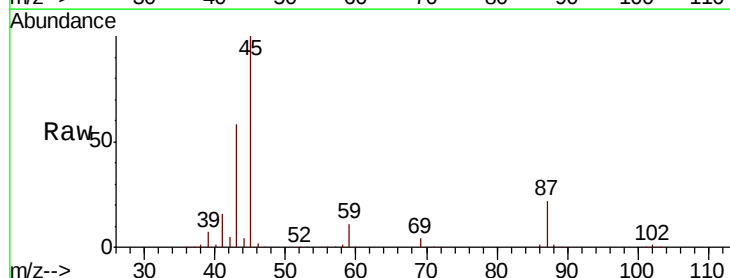
Ion Ratio Lower Upper

45 100

43 56.7 45.0 67.6

87 21.8 17.9 26.9

59 10.6 8.6 12.8



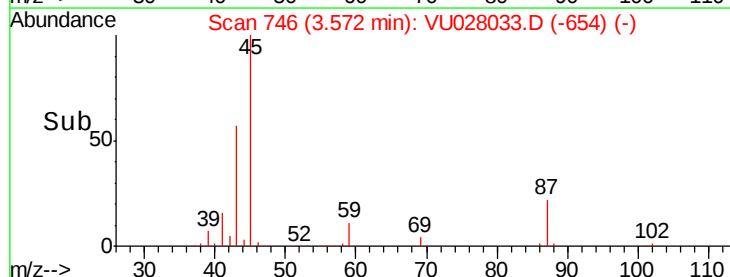
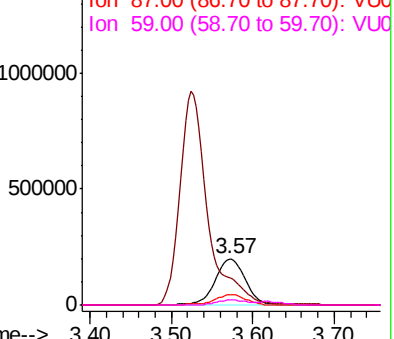
Abundance

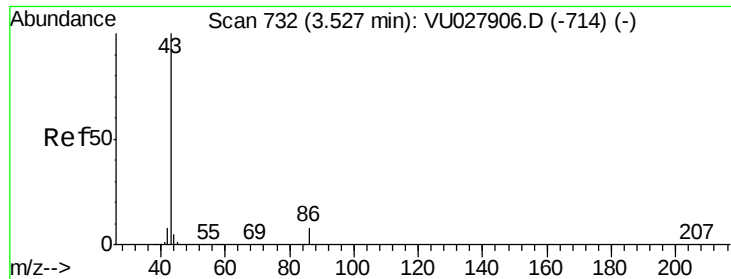
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 254.303 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2219721

Ion Ratio Lower Upper

43 100

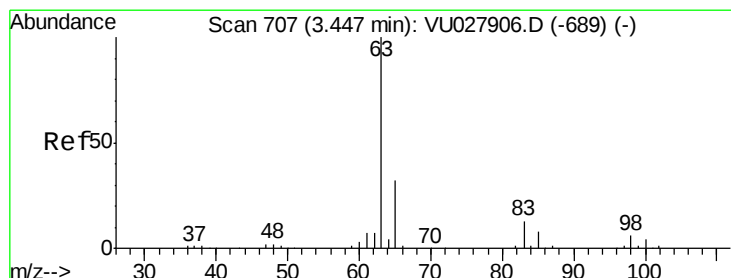
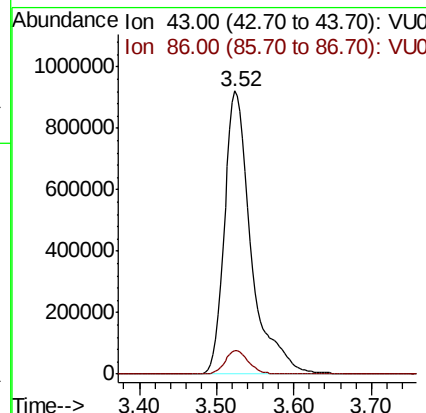
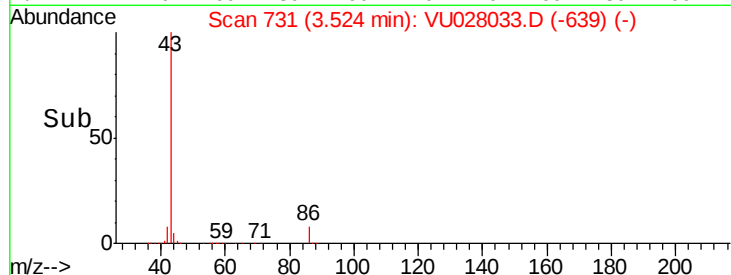
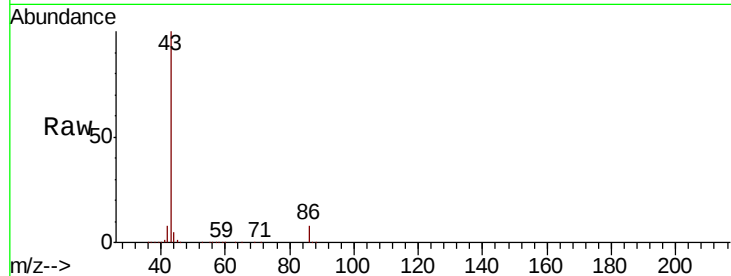
86 8.5 6.6 9.8

Manual Integrations

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MMDadoda

11/12/2018 12:01:43 PM



#24

1,1-Dichloroethane

Concen: 50.023 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

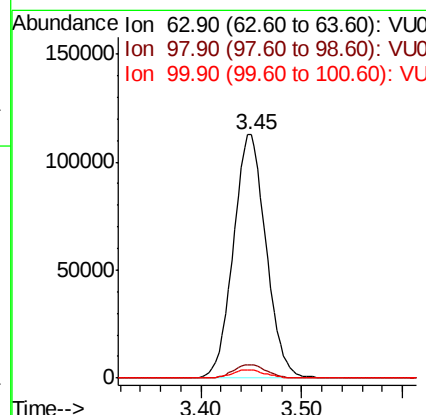
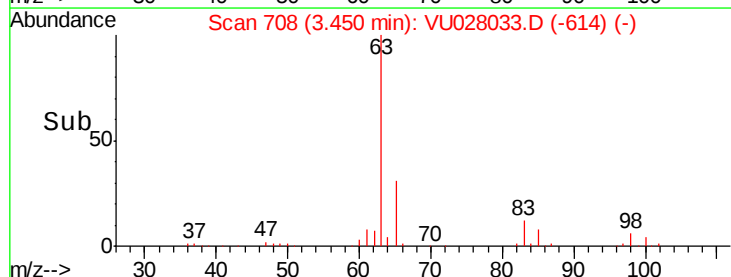
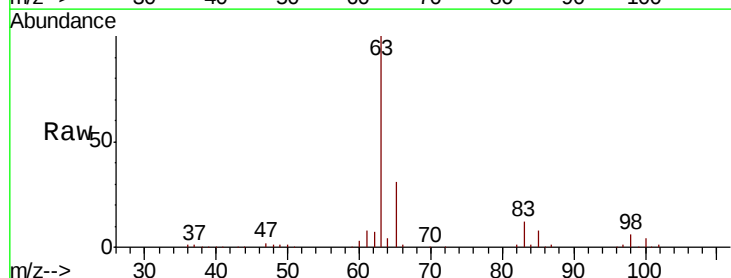
Tgt Ion: 63 Resp: 253060

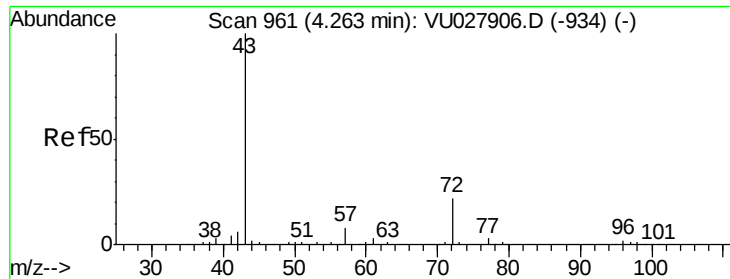
Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 252.833 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 712588

Ion Ratio Lower Upper

43 100

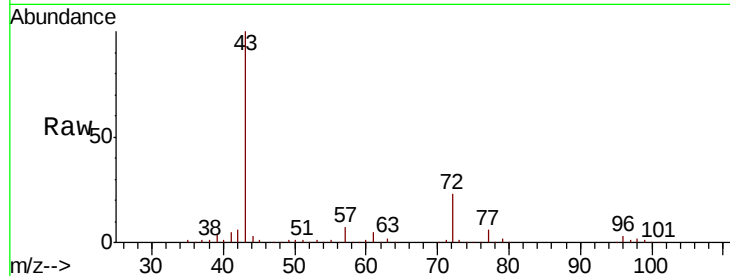
72 22.6 17.7 26.5

Manual Integrations

APPROVED

MMDadoda

11/12/2018 12:01:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.26

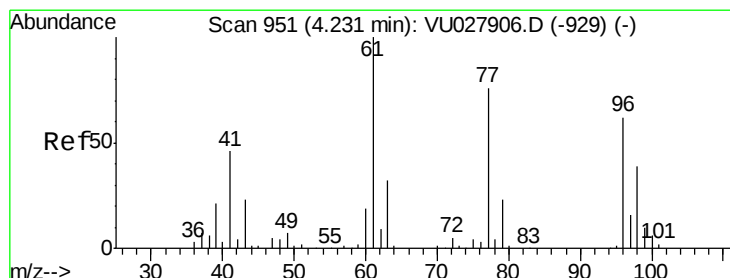
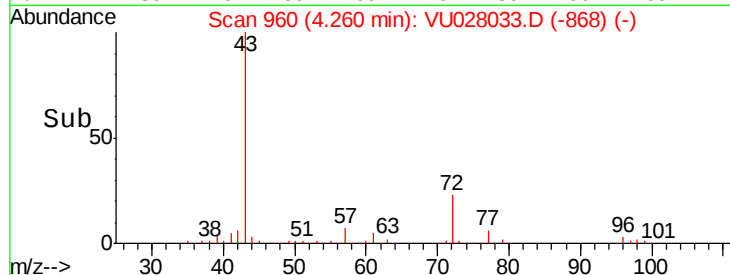
300000

200000

100000

0

Time-->



#26

2,2-Dichloropropane

Concen: 53.120 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU028033.D

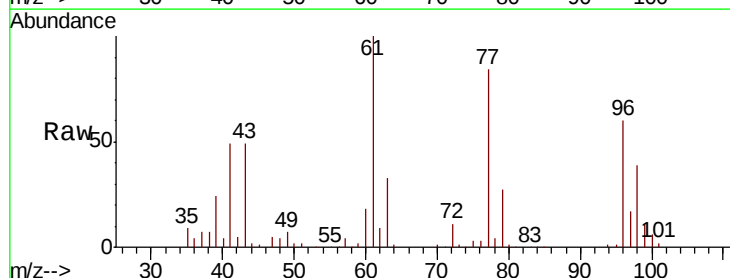
Acq: 09 Nov 2018 10:36

Tgt Ion: 77 Resp: 201668

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

4.23

80000

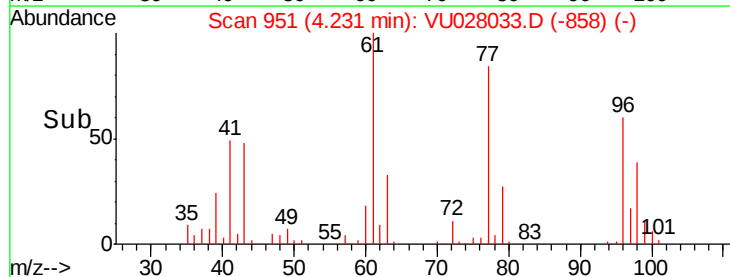
60000

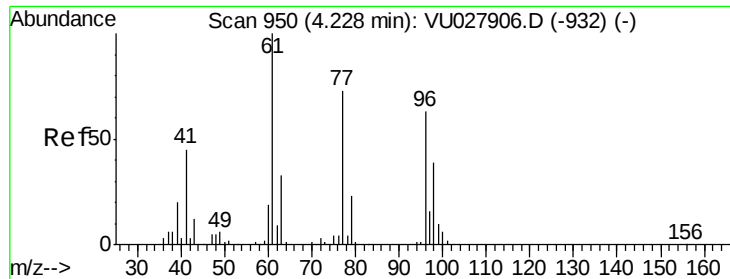
40000

20000

0

Time-->





#27

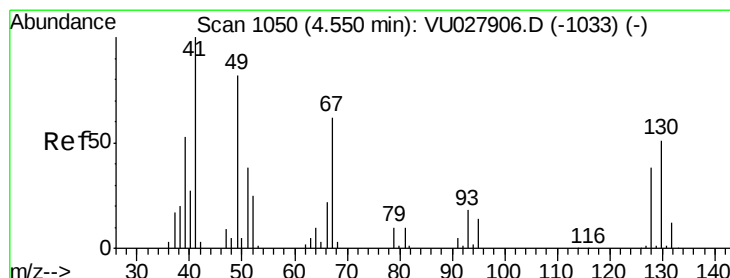
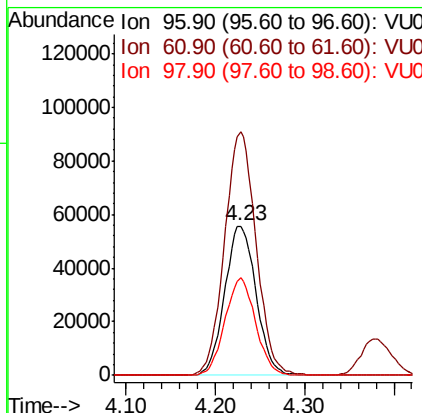
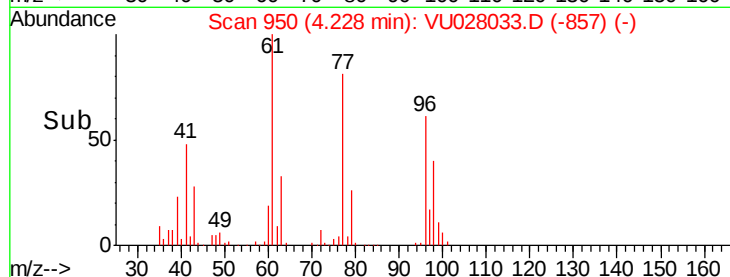
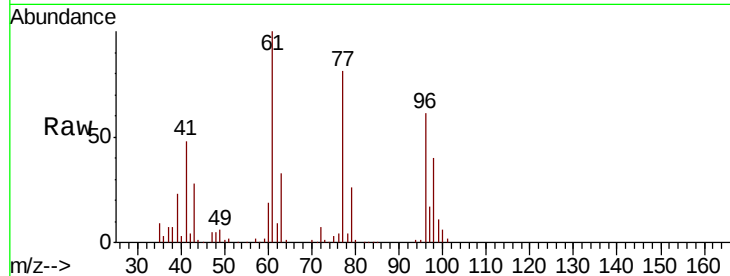
cis-1,2-Dichloroethene
Concen: 52.101 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	0.0	329.6
98	63.3	0.0	127.2

Manual Integrations
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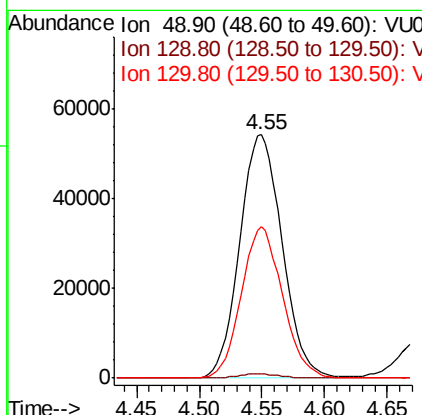
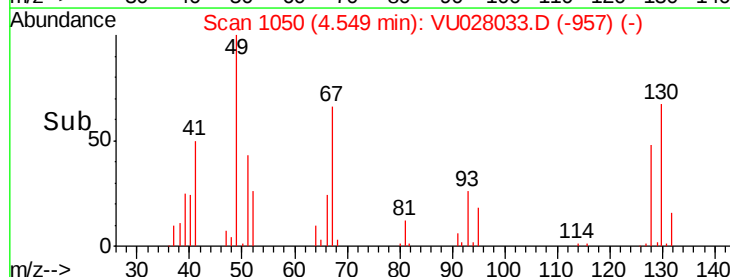
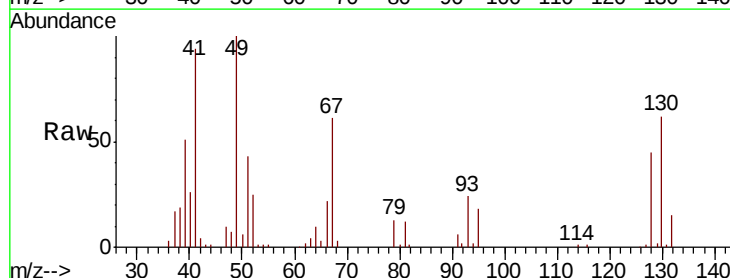
MMDadoda
11/12/2018 12:01:43 PM

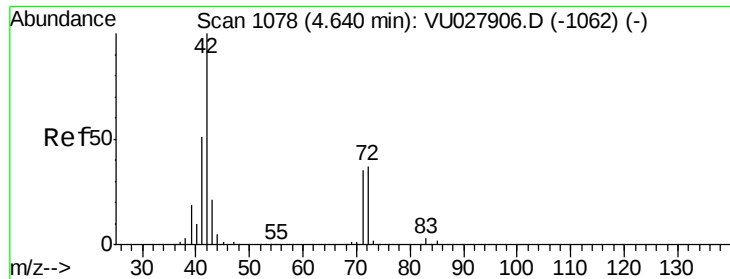


#28

Bromochloromethane
Concen: 53.776 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	60.4	47.8	71.6





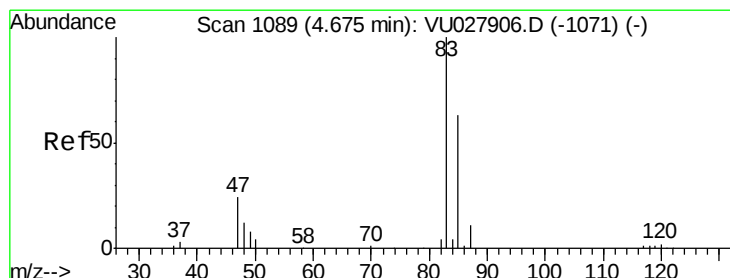
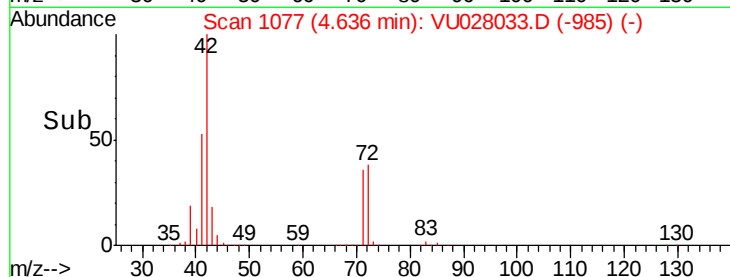
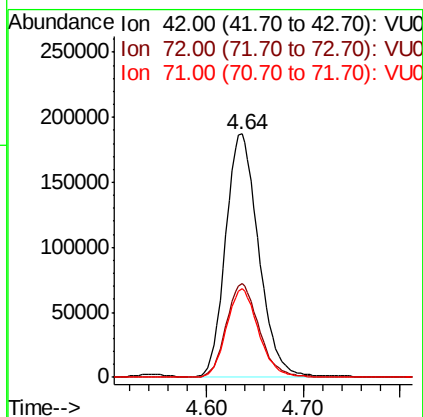
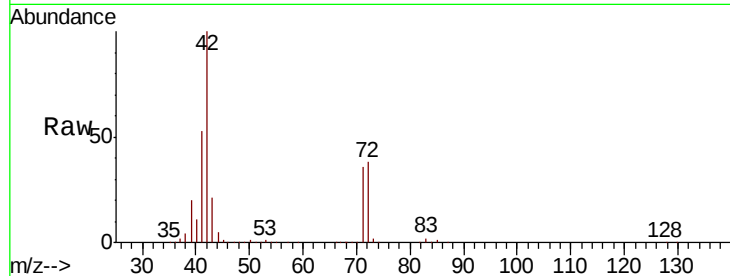
#29
Tetrahydrofuran
Concen: 235.316 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	29.4	44.0
71	35.5	27.9	41.9

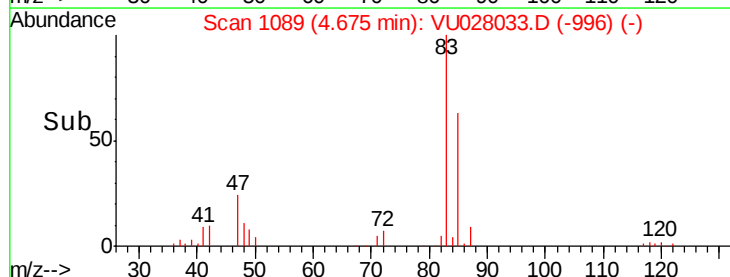
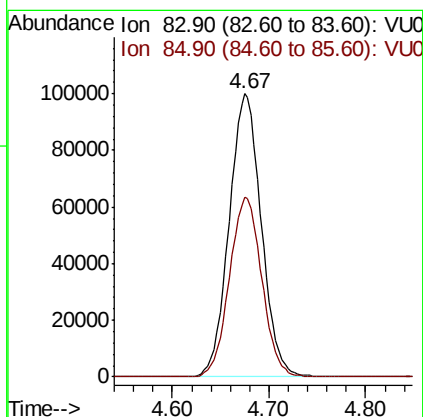
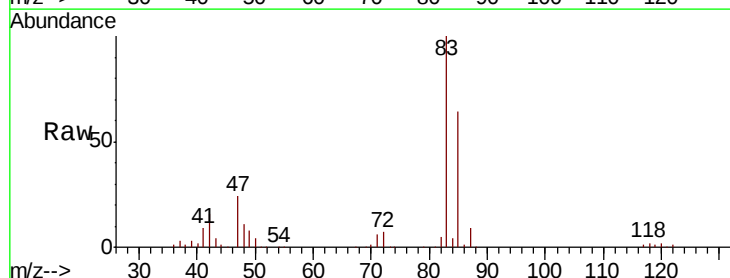
Manual Integrations
APPROVED

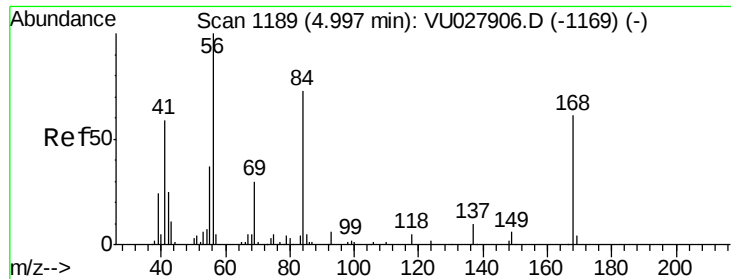
MMDadoda
11/12/2018 12:01:43 PM



#30
Chloroform
Concen: 49.719 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.6	76.0





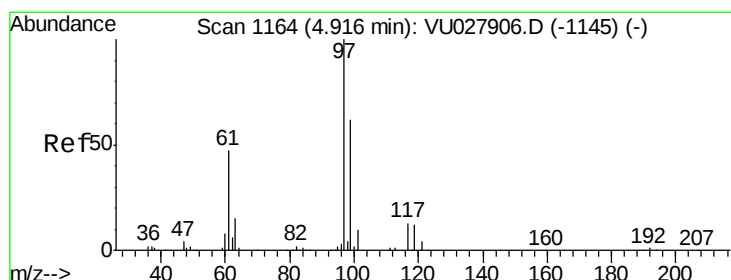
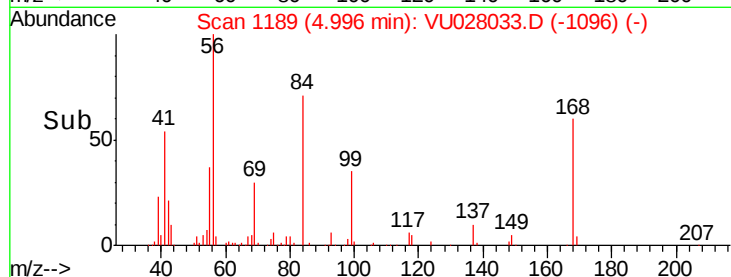
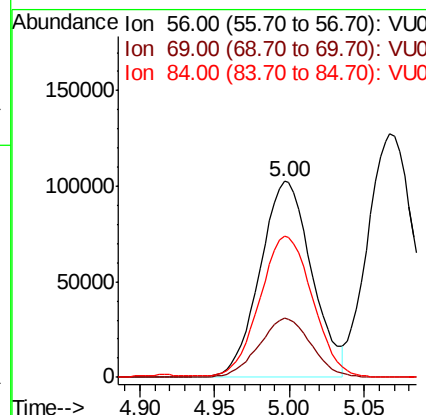
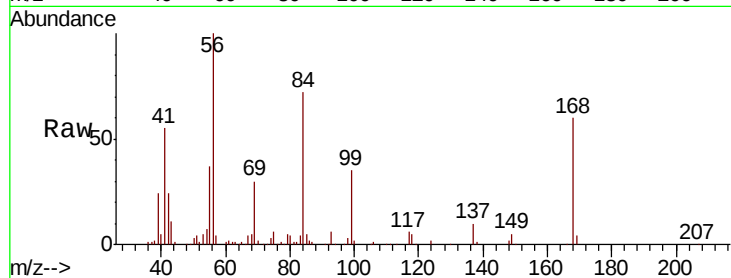
#31
Cyclohexane
Concen: 49.735 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.7	35.5
84	71.4	58.2	87.4

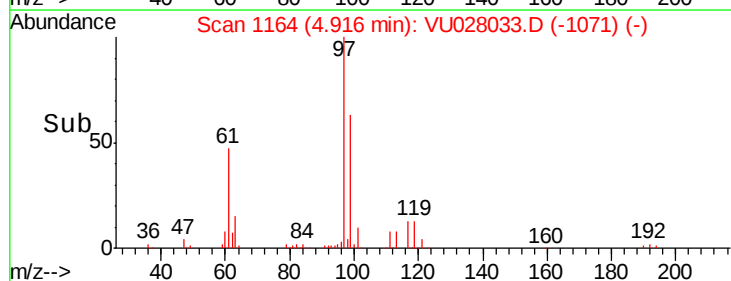
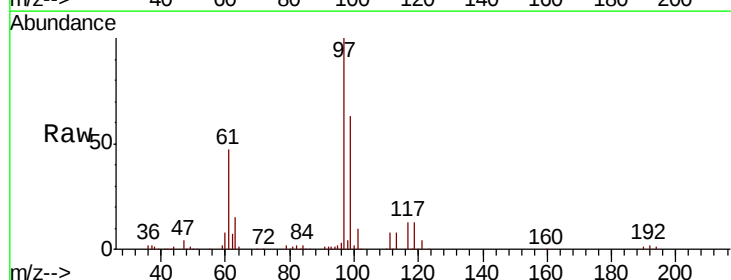
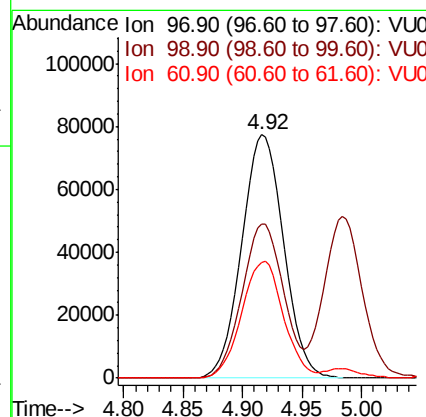
Manual Integrations
APPROVED

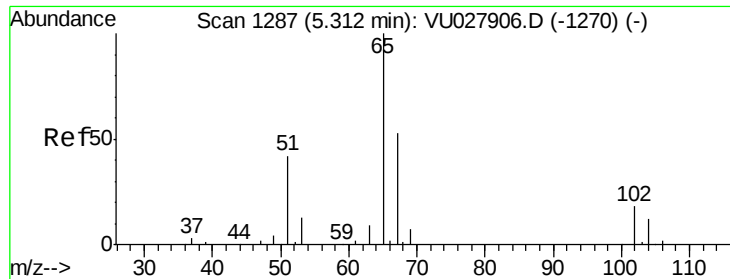
MMDadoda
11/12/2018 12:01:43 PM



#32
1,1,1-Trichloroethane
Concen: 51.264 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	50.5	75.7
61	47.8	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 54.008 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 154212

Ion Ratio Lower Upper

65 100

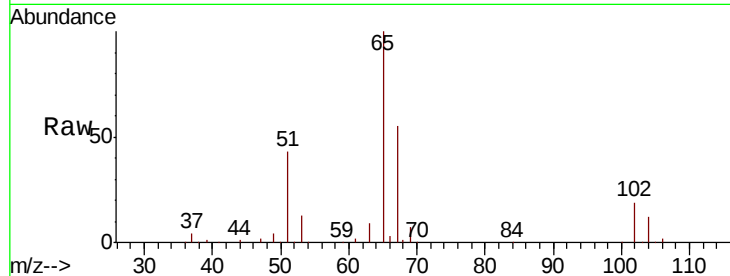
67 55.9 0.0 109.0

Manual Integrations

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11/12/2018 12:01:43 PM



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

5.31

80000

60000

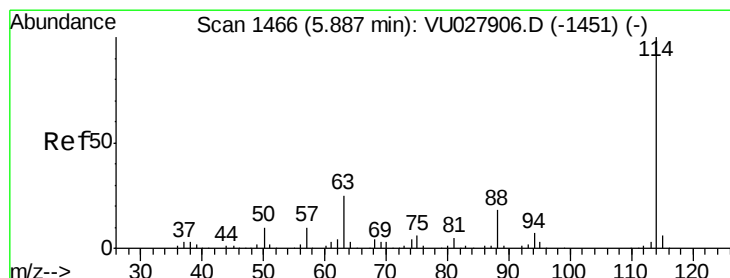
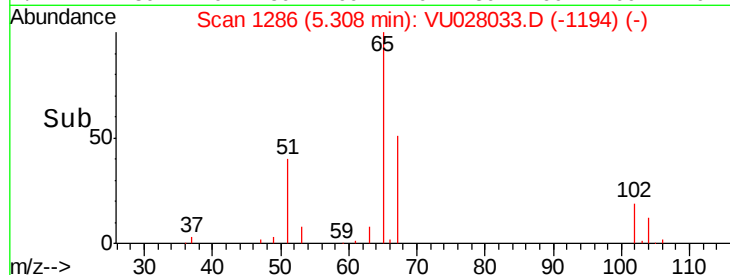
40000

20000

0

5.25 5.30 5.35 5.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1466

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

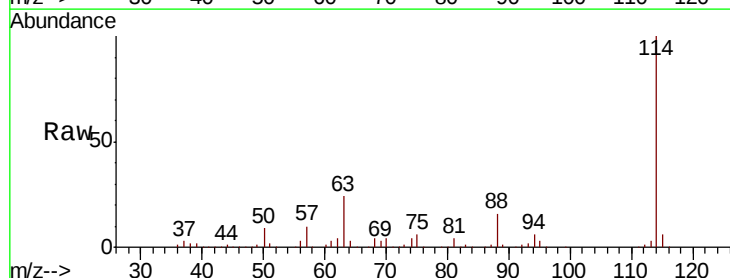
Tgt Ion: 114 Resp: 336805

Ion Ratio Lower Upper

114 100

63 23.6 0.0 50.8

88 16.2 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0

5.89

200000

150000

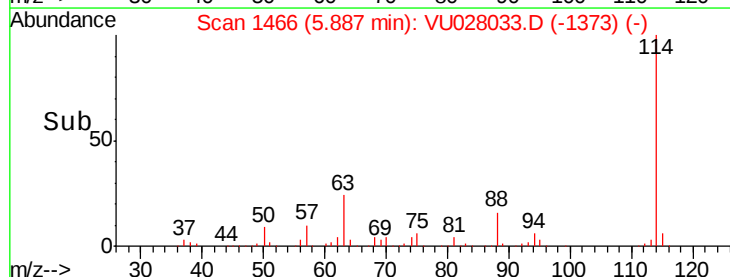
100000

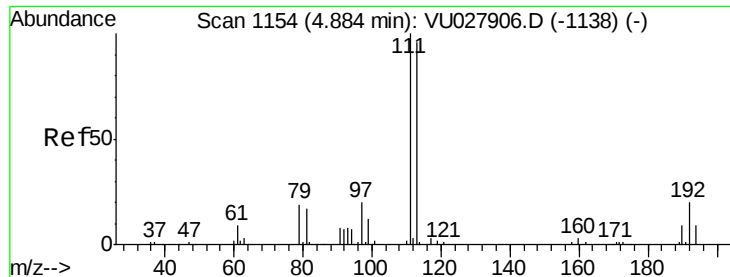
50000

0

5.80 5.90 6.00

Time-->





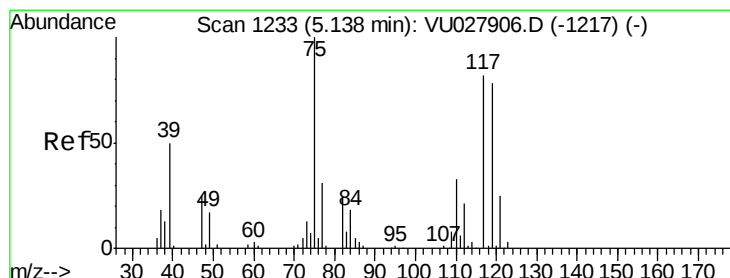
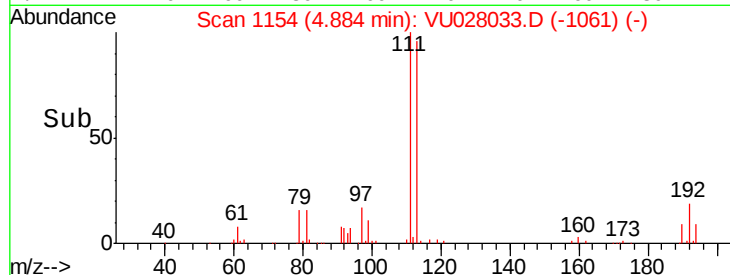
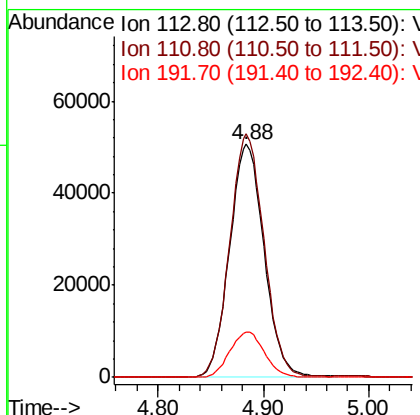
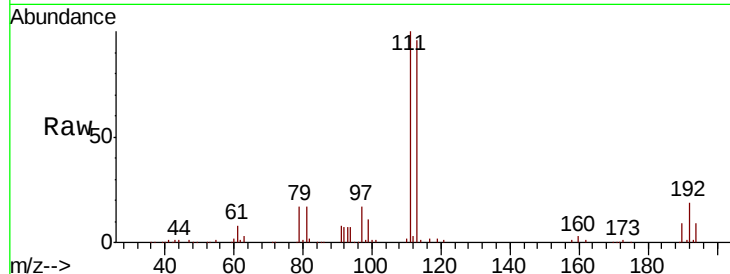
#35
 Dibromofluoromethane
 Concen: 54.292 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115294		
111	103.1	83.0	124.6	
192	19.5	15.6	23.4	

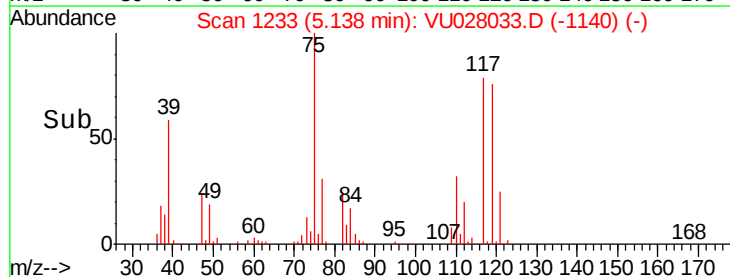
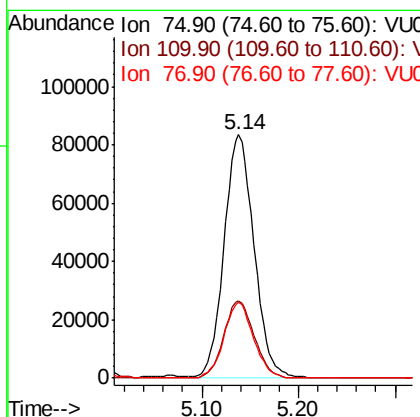
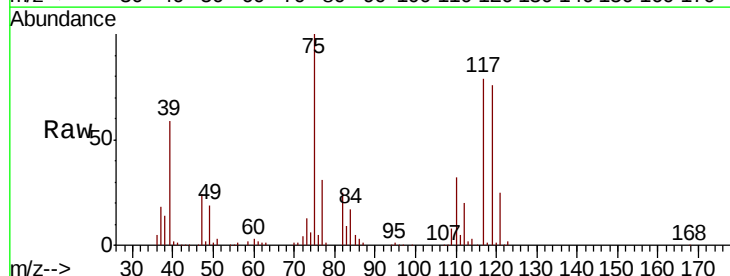
Manual Integrations
 APPROVED

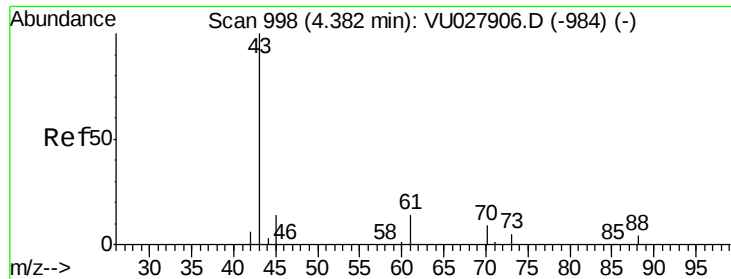
MMDadoda
 11/12/2018 12:01:43 PM



#36
 1,1-Dichloropropene
 Concen: 50.756 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179040		
110	32.3	16.5	49.5	
77	30.3	24.9	37.3	





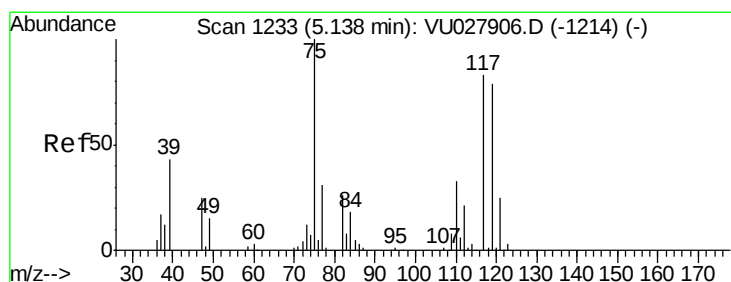
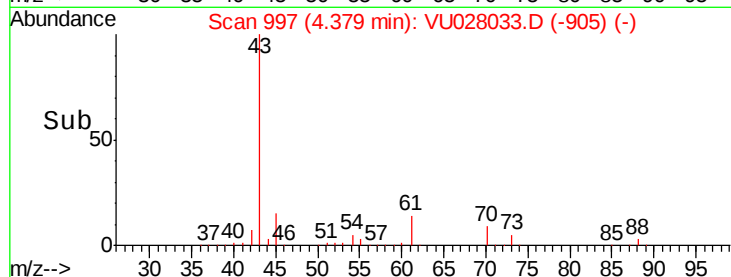
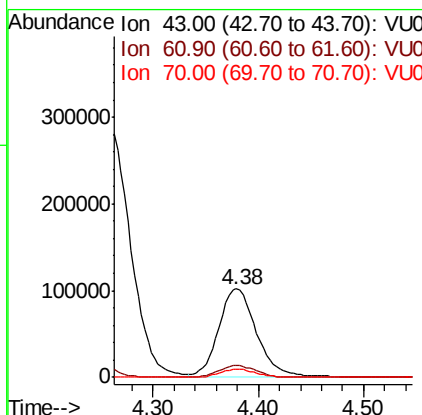
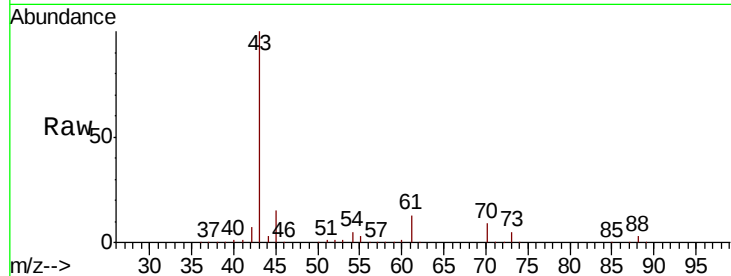
#37
Ethyl Acetate
Concen: 48.154 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.3	15.5
70	9.1	7.0	10.6

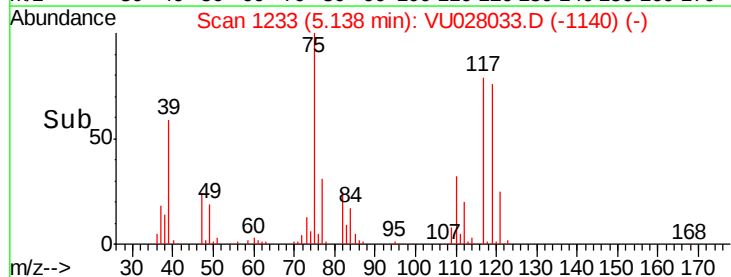
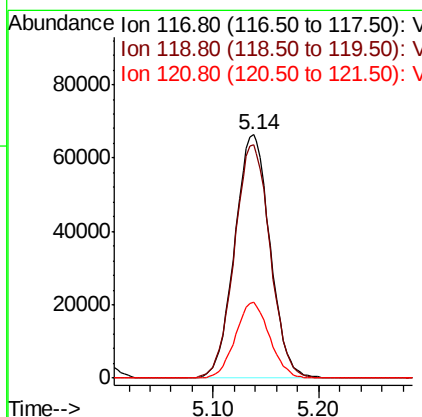
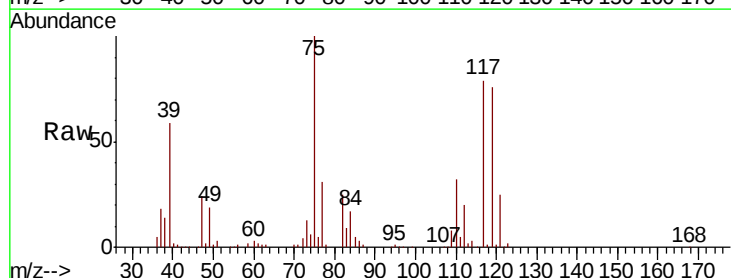
Manual Integrations
APPROVED

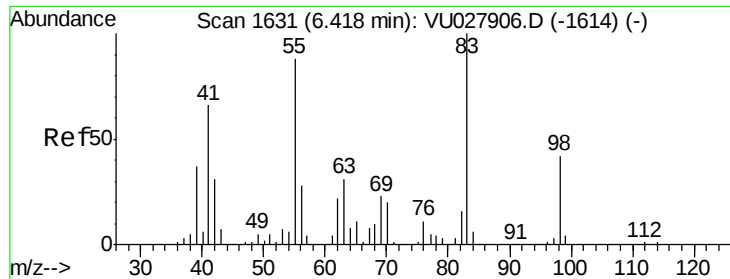
MMDadoda
11/12/2018 12:01:43 PM



#38
Carbon Tetrachloride
Concen: 49.353 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.0	114.0
121	31.0	24.5	36.7





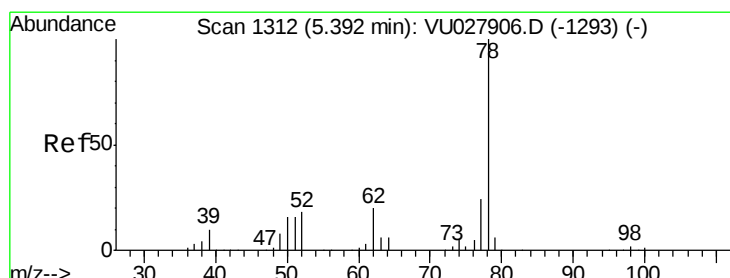
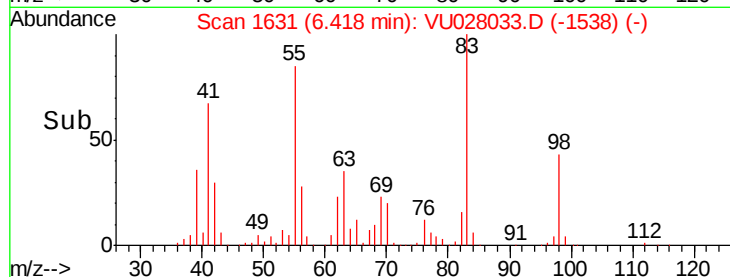
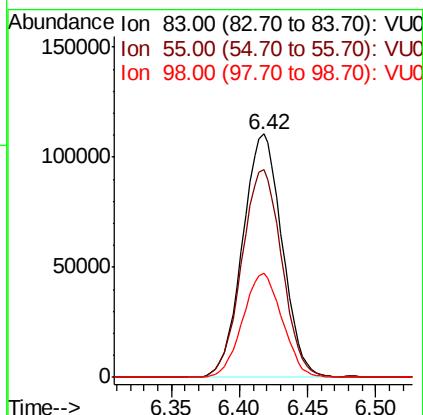
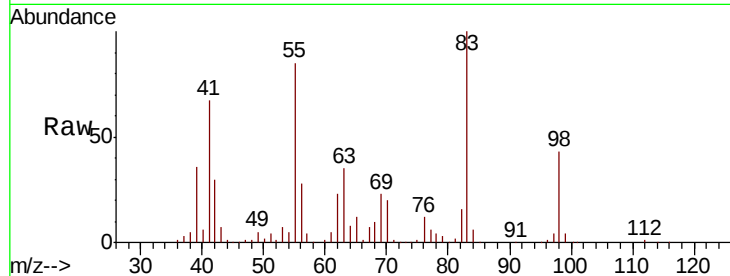
#39
Methvlcvclohexane
Concen: 52.323 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.1	70.3	105.5
98	42.5	34.0	51.0

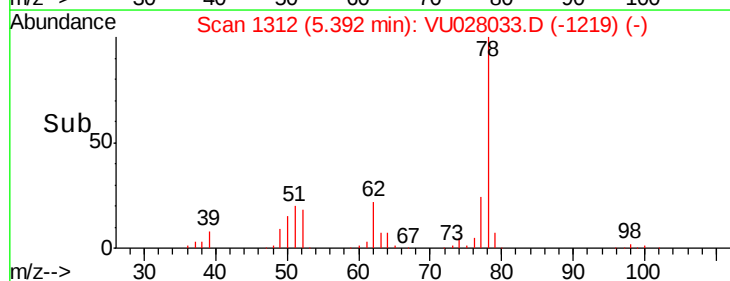
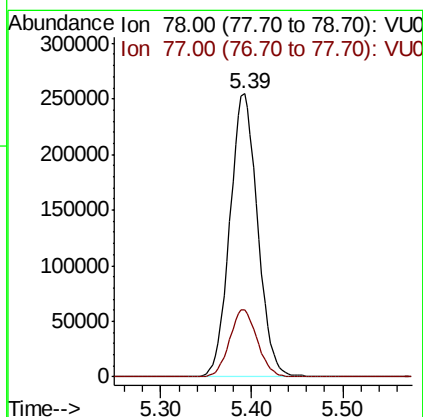
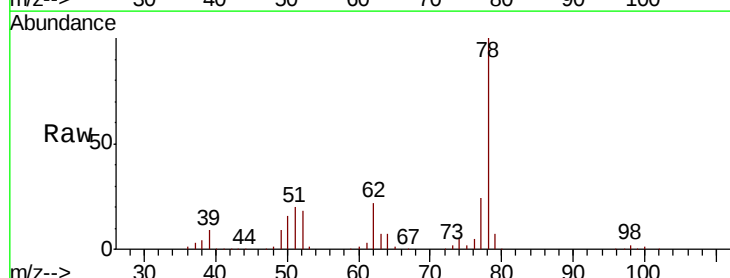
Manual Integrations
APPROVED

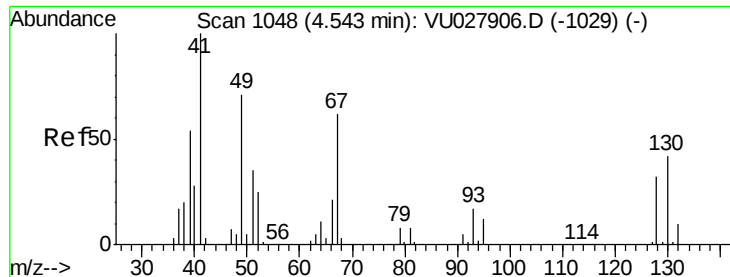
MMDadoda
11/12/2018 12:01:43 PM



#40
Benzene
Concen: 49.981 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





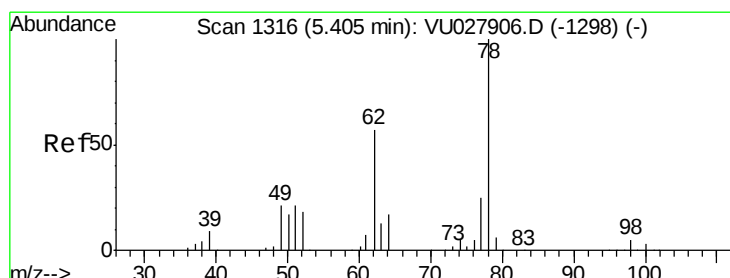
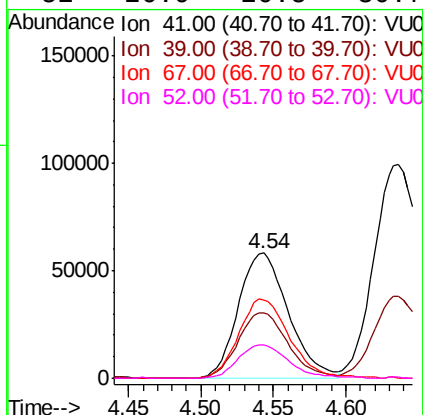
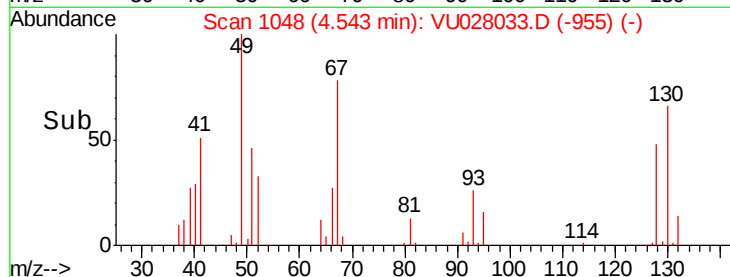
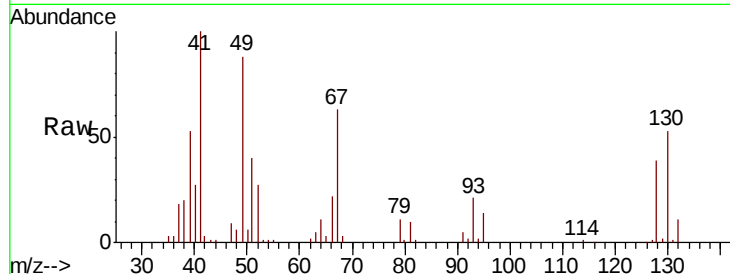
#41
Methacrylonitrile
Concen: 50.625 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.2	63.4
67	64.1	49.5	74.3
52	26.9	20.5	30.7

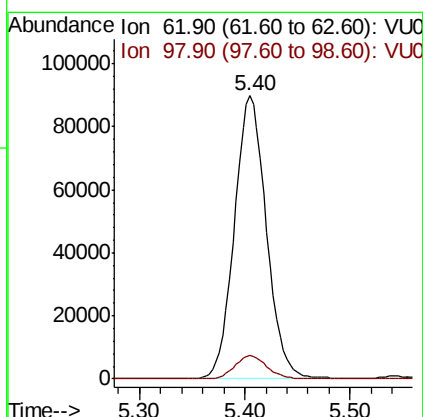
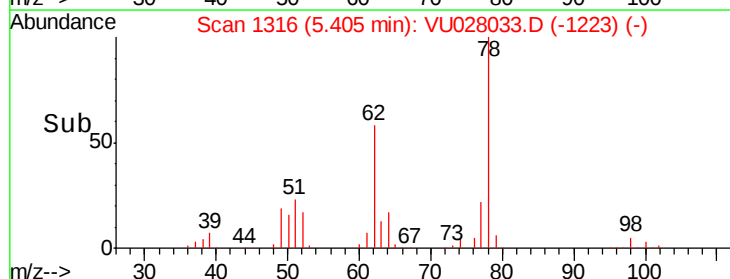
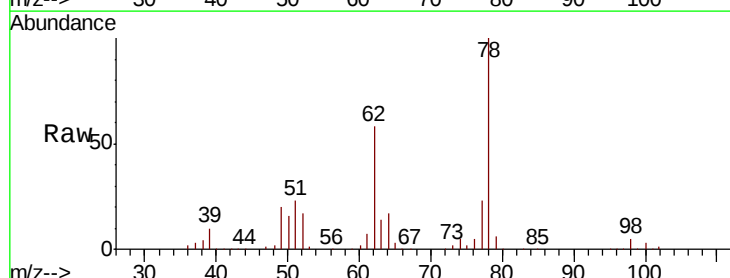
Manual Integrations
APPROVED

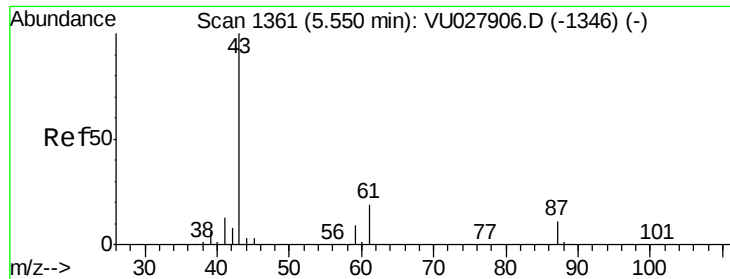
MMDadoda
11/12/2018 12:01:43 PM



#42
1,2-Dichloroethane
Concen: 49.310 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





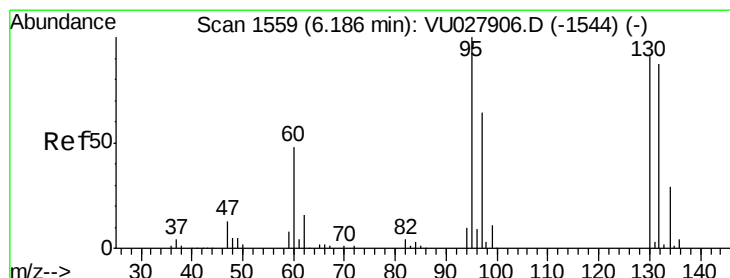
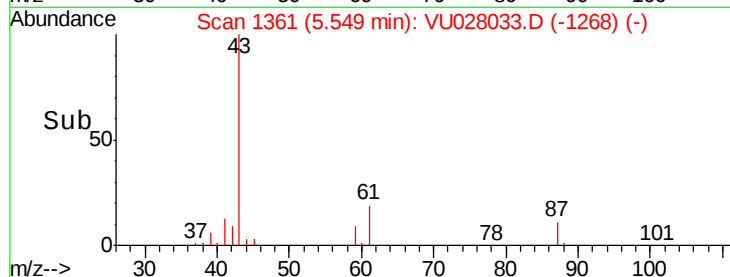
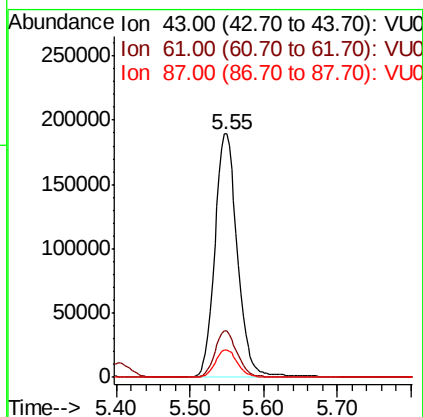
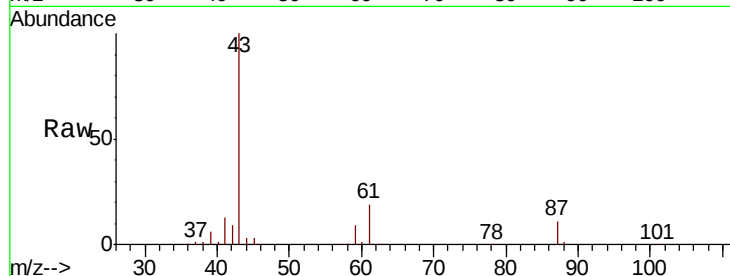
#43
Isopropyl Acetate
Concen: 49.562 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.0	22.4
87	11.1	8.6	12.8

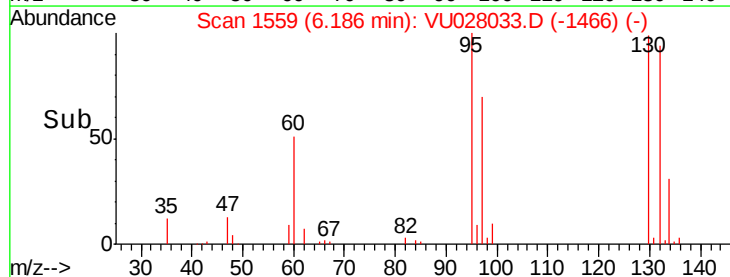
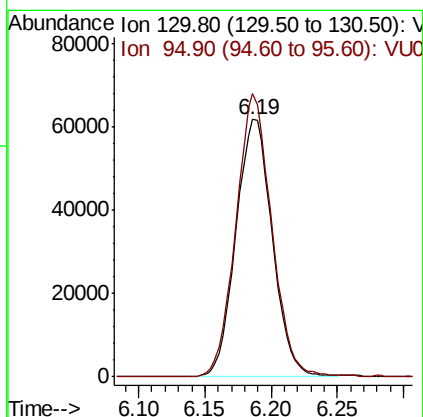
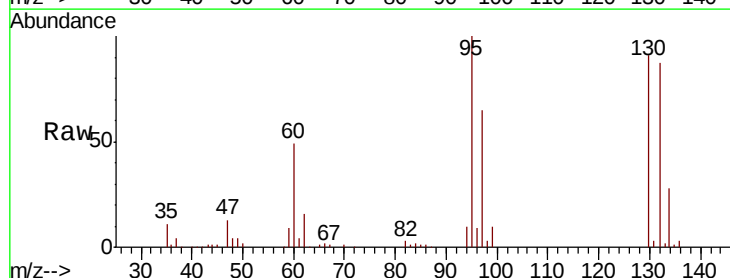
Manual Integrations
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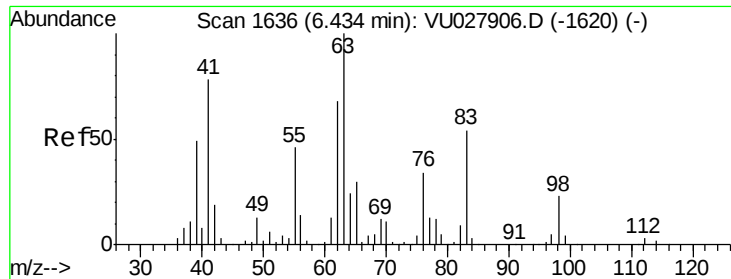
MMDadoda
11/12/2018 12:01:43 PM



#44
Trichloroethene
Concen: 51.058 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.0	0.0	219.2





#45

1,2-Dichloropropane

Concen: 50.332 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 156546

Ion Ratio Lower Upper

63 100

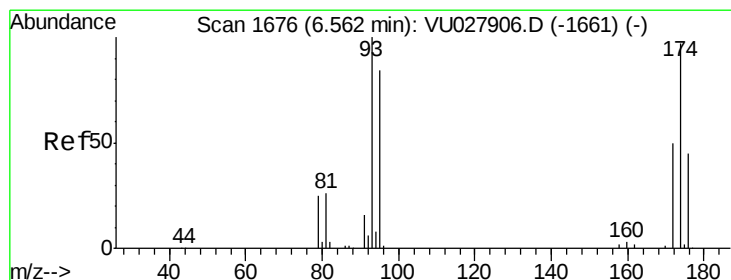
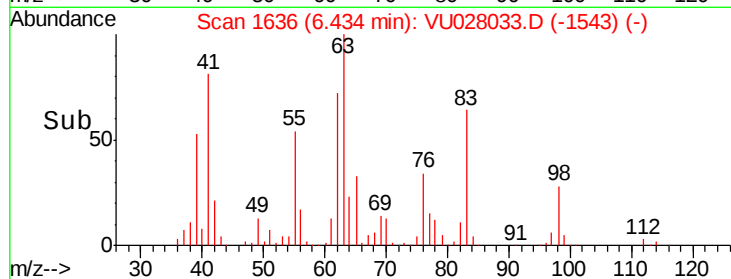
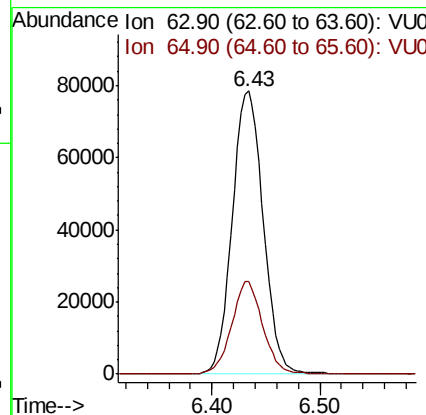
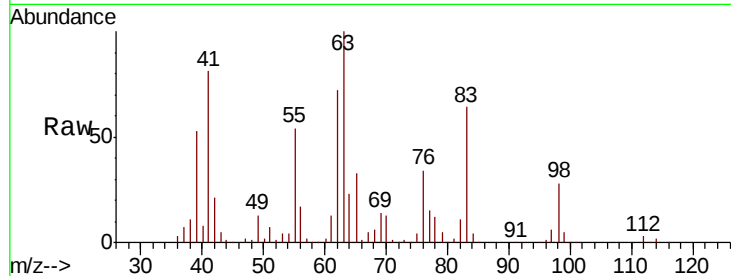
65 32.7 24.4 36.6

Manual Integrations

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11/12/2018 12:01:43 PM



#46

Dibromomethane

Concen: 50.366 ug/l

RT: 6.56 min Scan# 1675

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

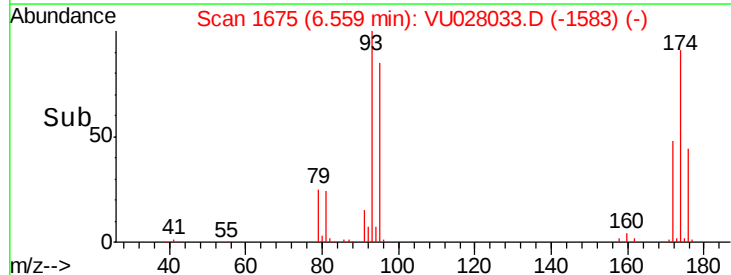
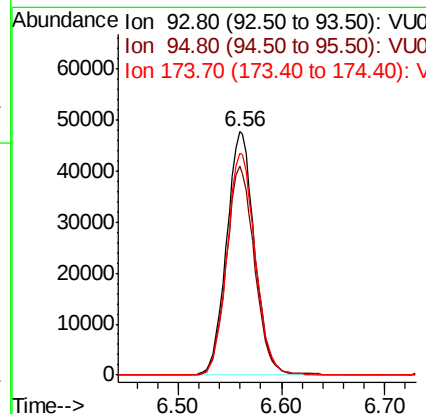
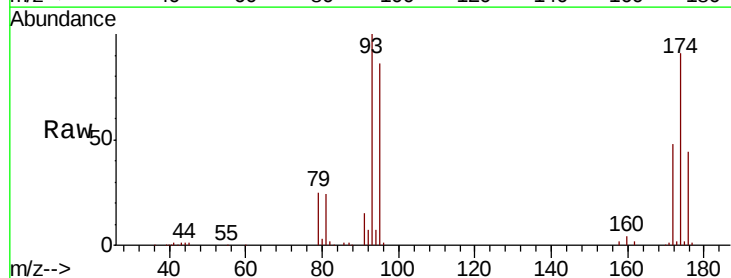
Tgt Ion: 93 Resp: 90045

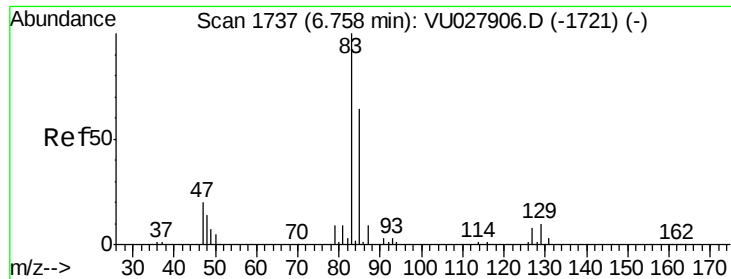
Ion Ratio Lower Upper

93 100

95 86.0 68.5 102.7

174 92.2 76.1 114.1





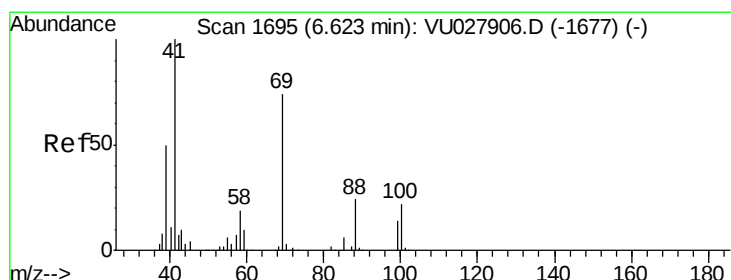
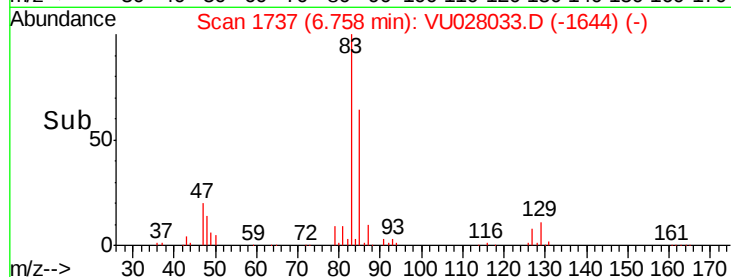
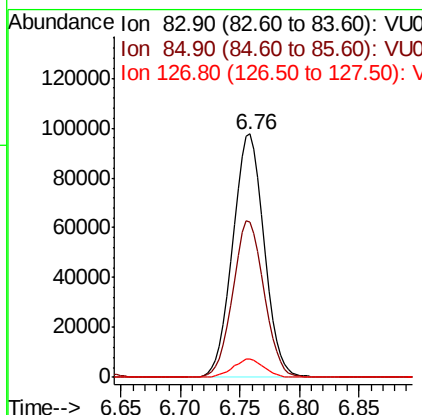
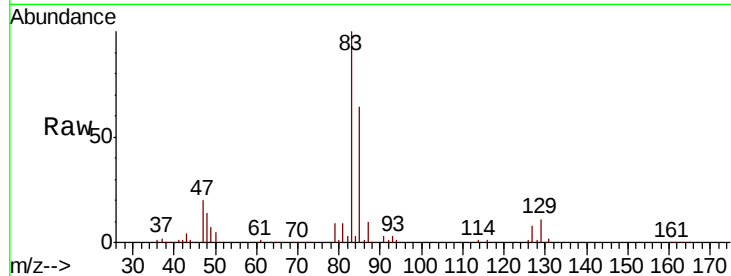
#47
Bromodichloromethane
Concen: 52.061 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.0	76.6
127	7.7	6.2	9.4

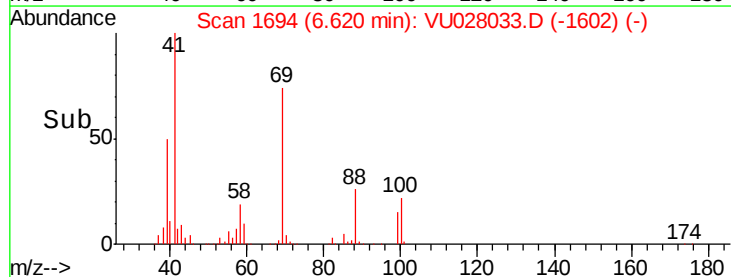
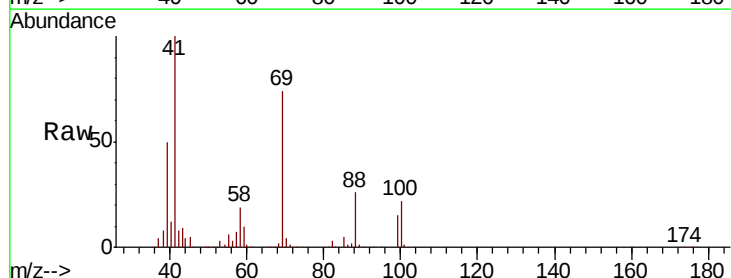
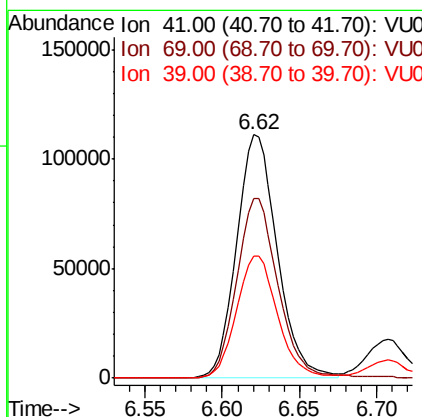
Manual Integrations
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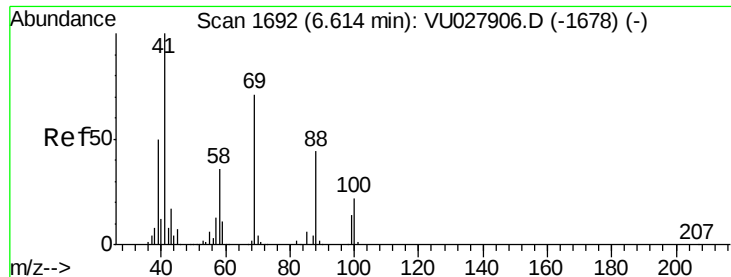
MMDadoda
11/12/2018 12:01:43 PM



#48
Methyl methacrylate
Concen: 50.935 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.7	59.8	89.8
39	51.3	40.0	60.0





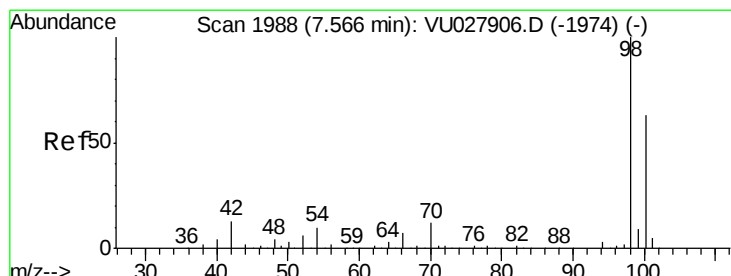
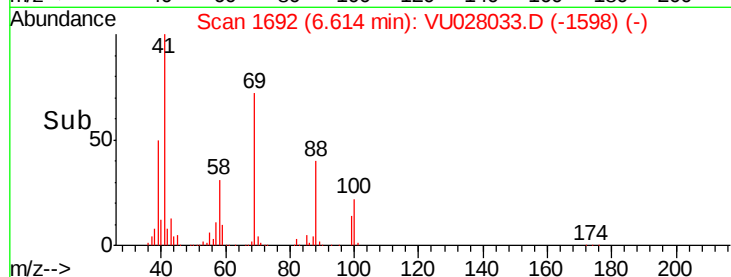
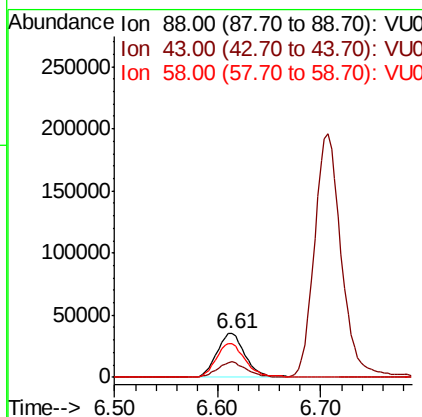
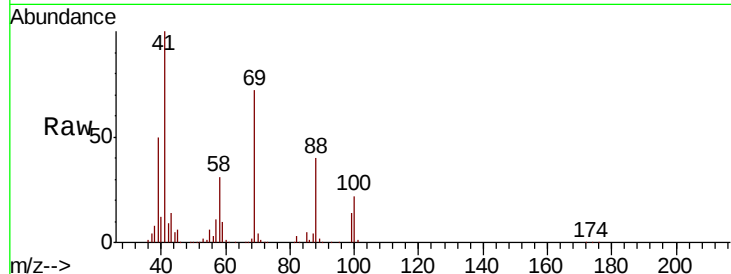
#49
1,4-Dioxane
Concen: 1035.286 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	67025
Ion	Ratio	Lower	Upper
88	100		
43	35.0	30.5	45.7
58	79.4	67.1	100.7

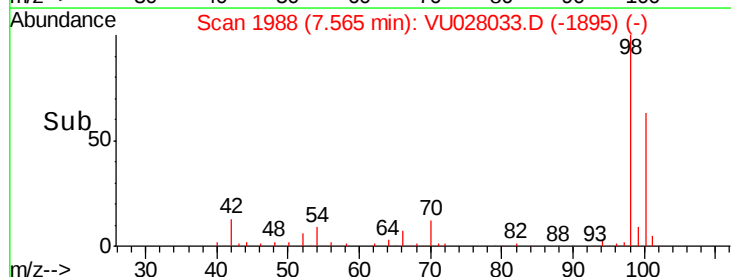
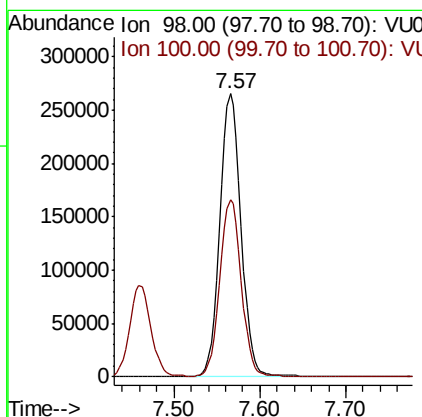
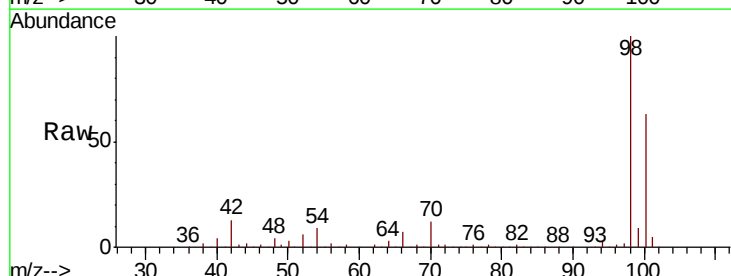
Manual Integrations
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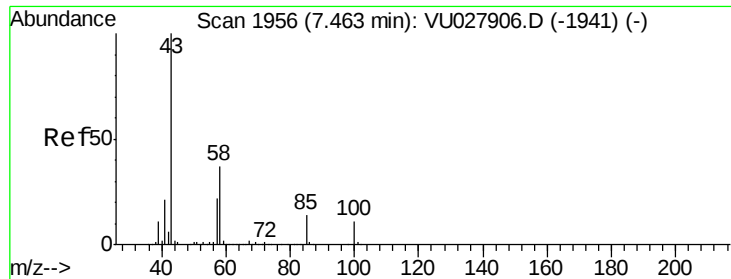
MMDadoda
11/12/2018 12:01:43 PM



#50
Toluene-d8
Concen: 55.656 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	98	Resp	456563
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.1	75.1





#51

4-Methyl-2-Pentanone

Concen: 243.062 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1314436

Ion Ratio Lower Upper

43 100

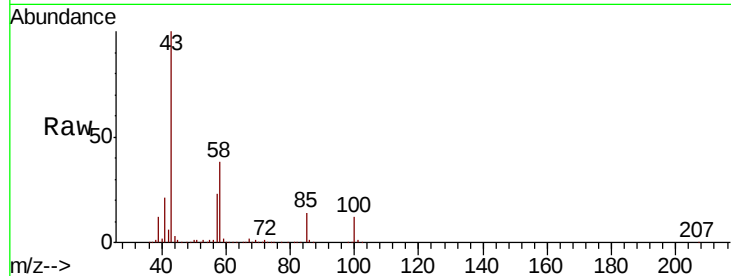
58 37.5 29.5 44.3

Manual Integrations

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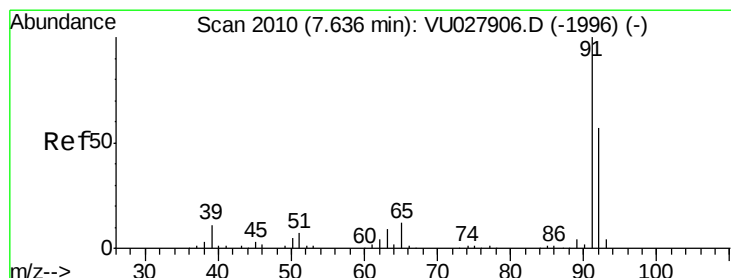
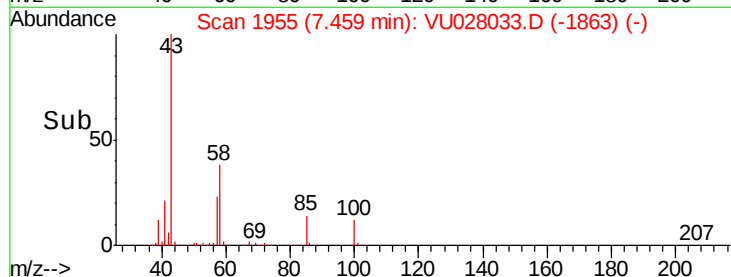
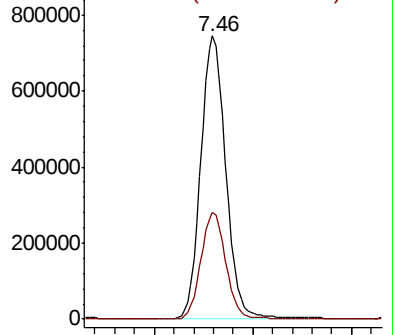
MMDadoda

11/12/2018 12:01:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 50.185 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028033.D

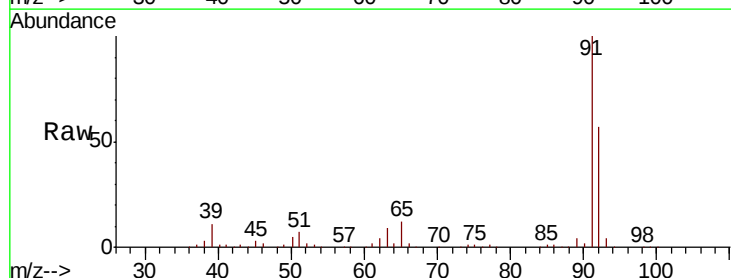
Acq: 09 Nov 2018 10:36

Tgt Ion: 92 Resp: 318192

Ion Ratio Lower Upper

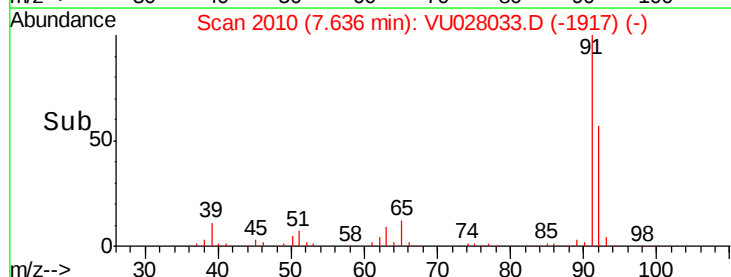
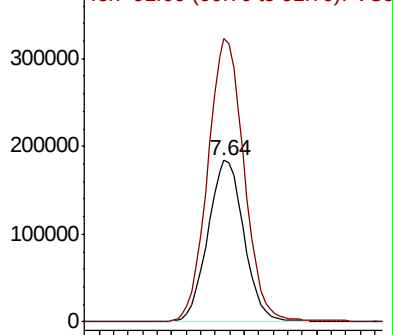
92 100

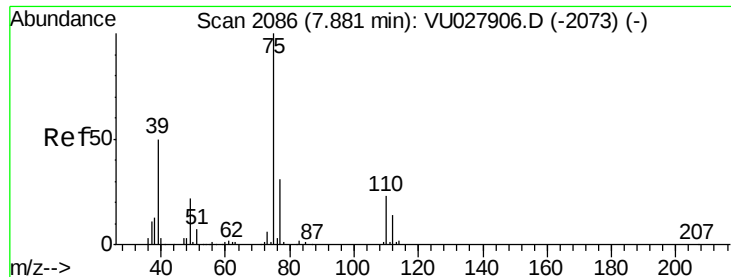
91 177.8 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





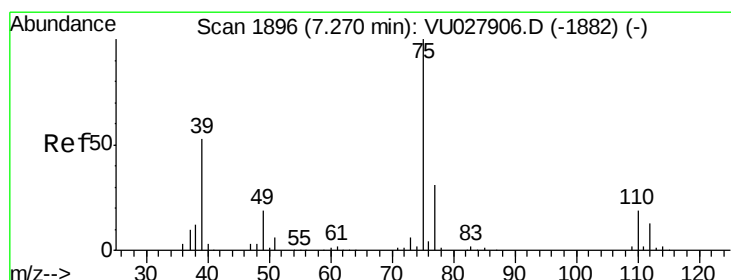
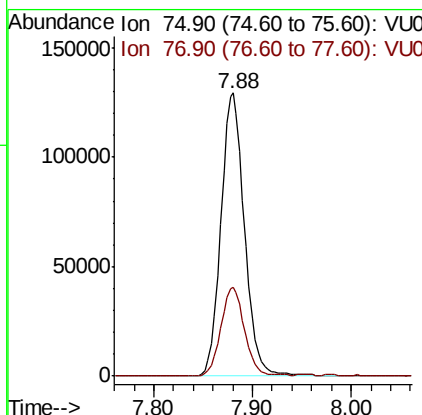
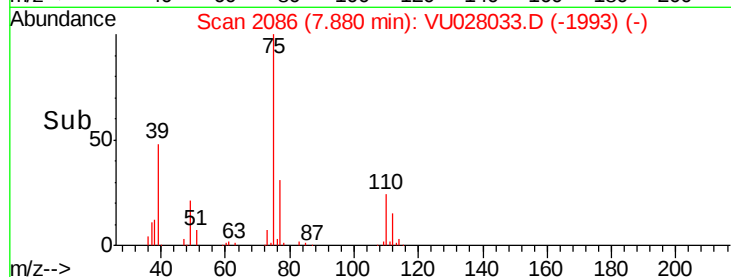
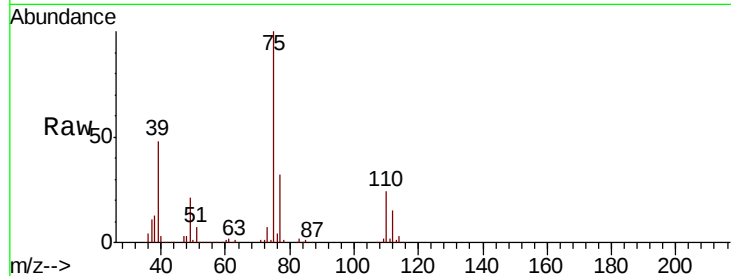
#53
t-1,3-Dichloropropene
Concen: 50.661 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 216516
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

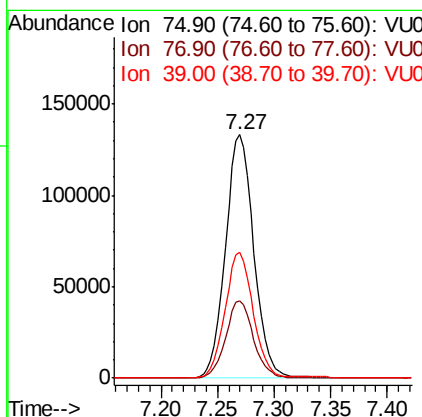
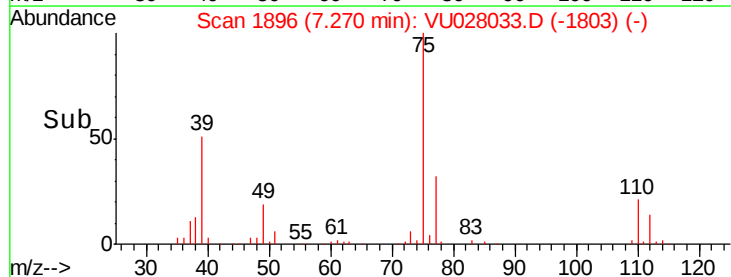
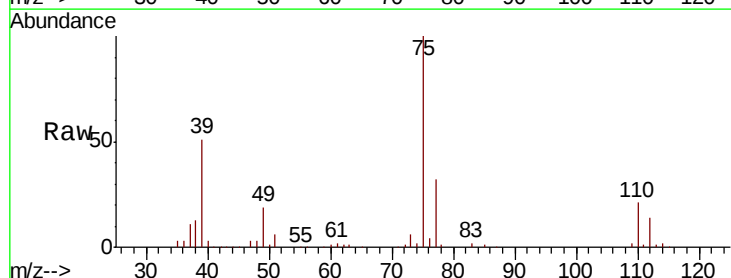
Manual Integrations
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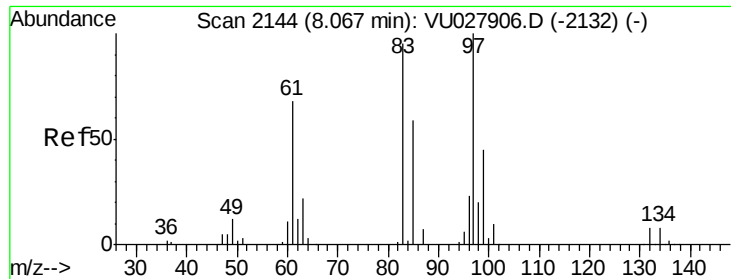
MMDadoda
11/12/2018 12:01:43 PM



#54
cis-1,3-Dichloropropene
Concen: 54.623 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 75 Resp: 231999
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0
39 51.5 42.6 64.0





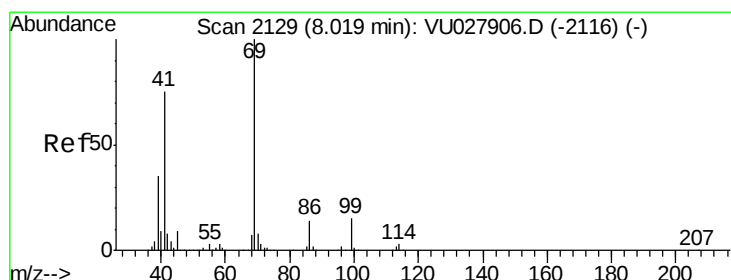
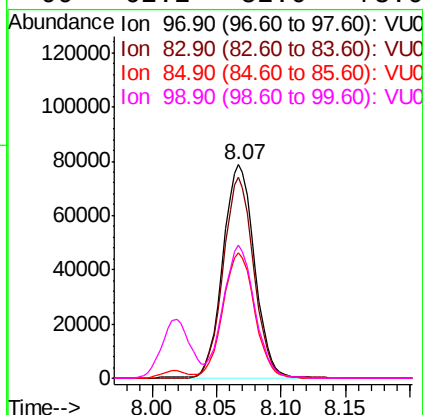
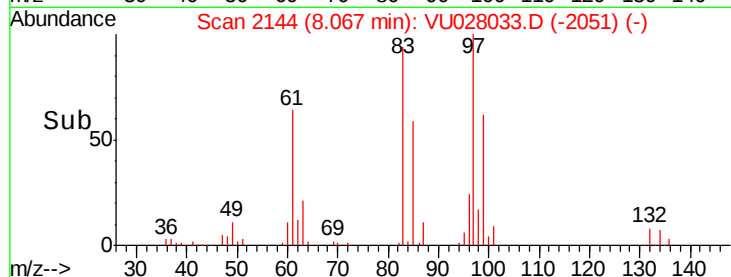
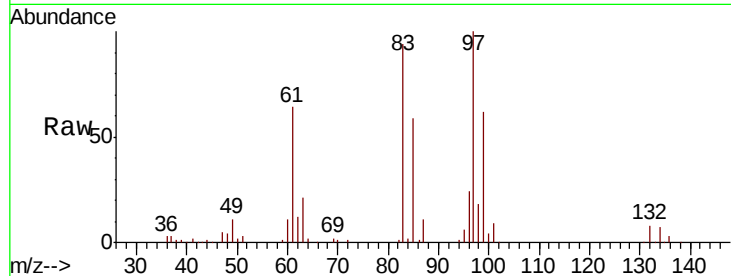
#55
1,1,2-Trichloroethane
Concen: 51.584 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	133062
Ion	Ratio	Lower	Upper
97	100		
83	94.2	76.1	114.1
85	58.4	48.9	73.3
99	62.2	52.0	78.0

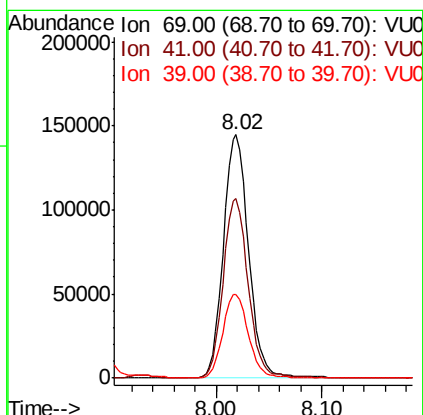
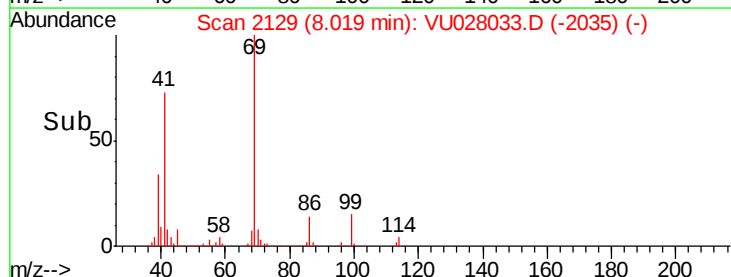
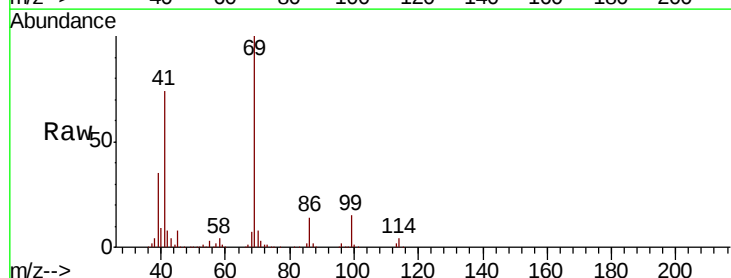
Manual Integrations
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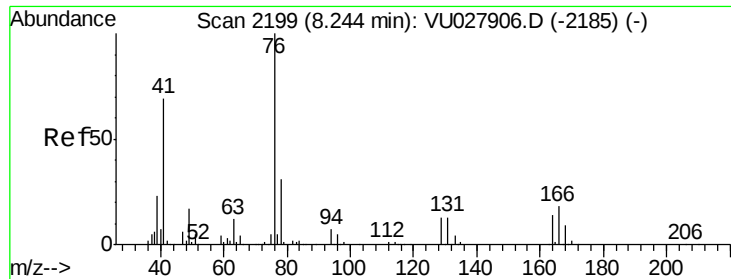
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#56
Ethyl methacrylate
Concen: 52.546 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:	69	Resp:	239029
Ion	Ratio	Lower	Upper
69	100		
41	73.6	59.8	89.6
39	34.5	28.6	42.8





#57

1,3-Dichloropropane

Concen: 50.585 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 237693

Ion Ratio Lower Upper

76 100

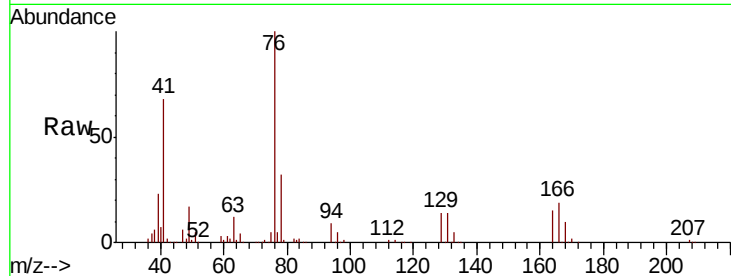
78 32.4 25.3 37.9

Manual Integrations

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11/12/2018 12:01:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.24

150000

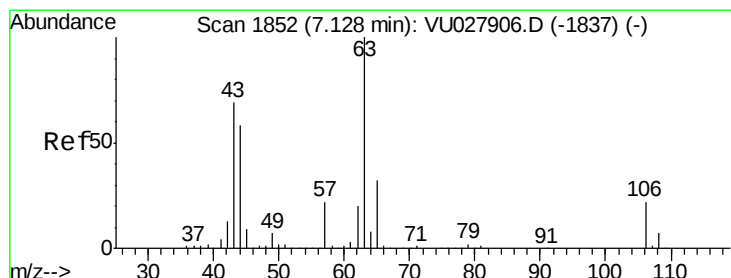
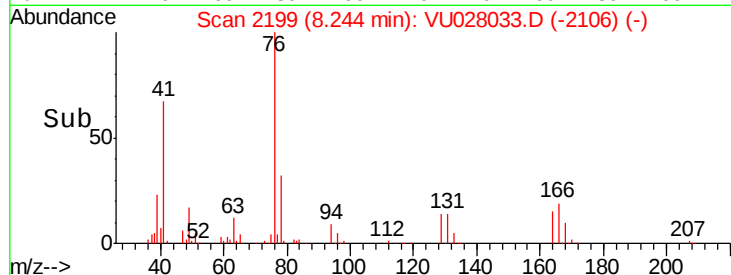
100000

50000

0

8.15 8.20 8.25 8.30 8.35

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 264.563 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VU028033.D

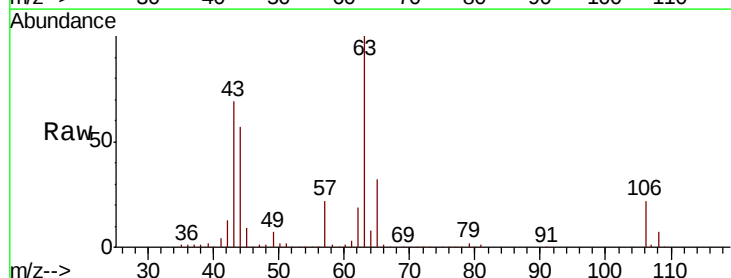
Acq: 09 Nov 2018 10:36

Tgt Ion: 63 Resp: 644562

Ion Ratio Lower Upper

63 100

106 21.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

400000

300000

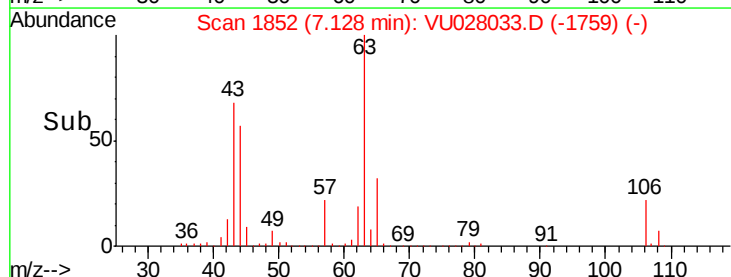
200000

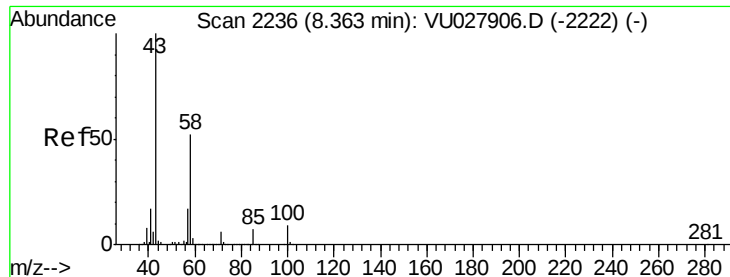
100000

0

7.10 7.20

Time-->





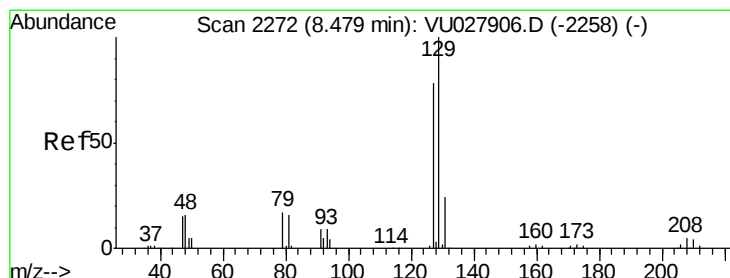
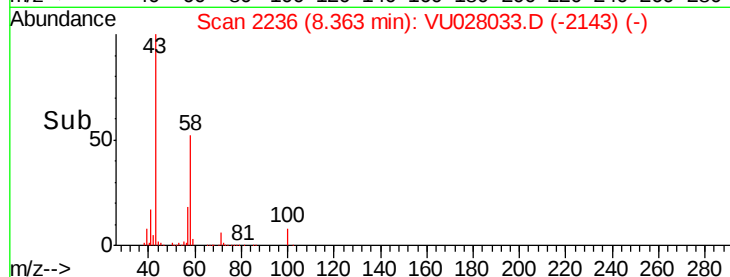
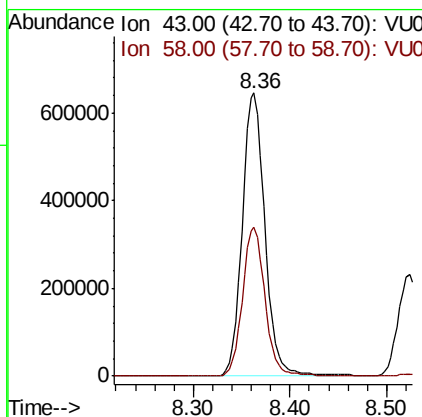
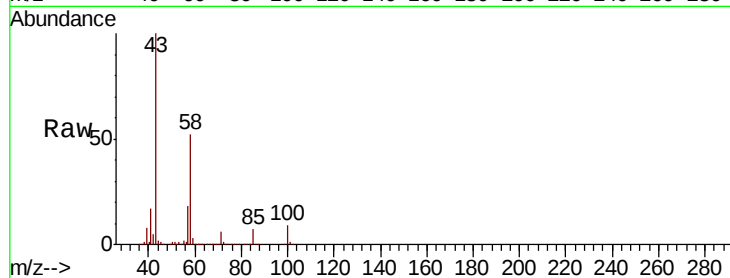
#59
2-Hexanone
Concen: 249.928 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1045342
Ion Ratio Lower Upper
43 100
58 52.3 25.8 77.3

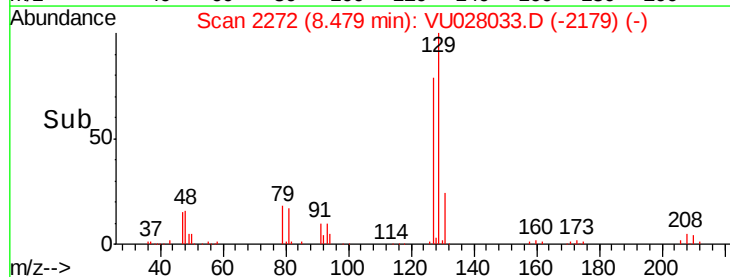
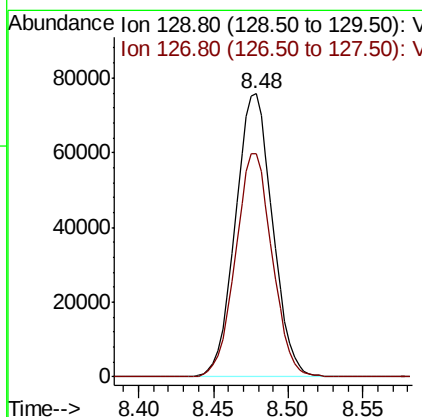
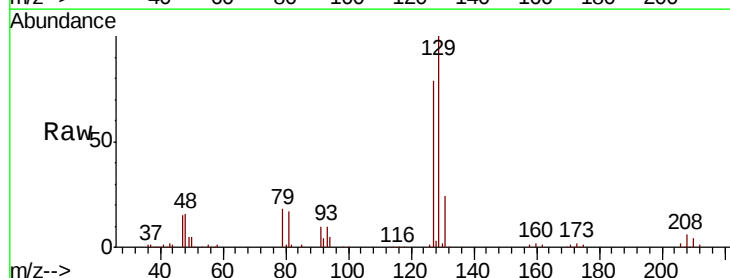
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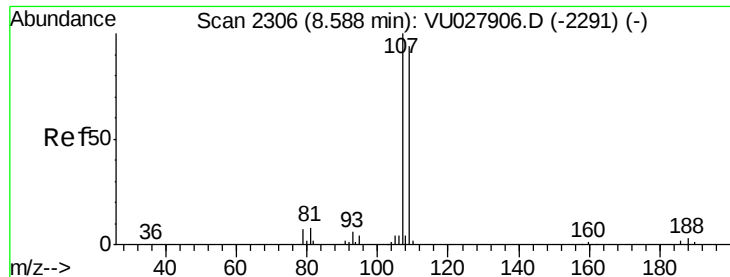
MMDadoda
11/12/2018 12:01:43 PM



#60
Dibromochloromethane
Concen: 53.579 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 129 Resp: 130784
Ion Ratio Lower Upper
129 100
127 78.2 39.2 117.6





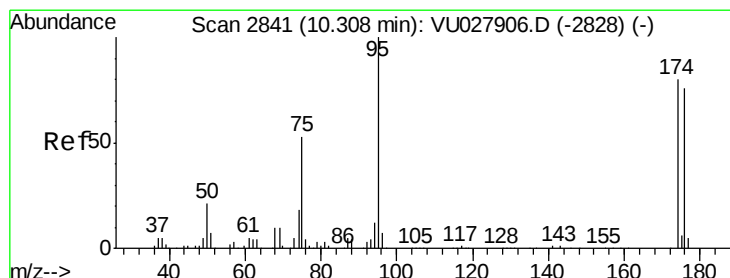
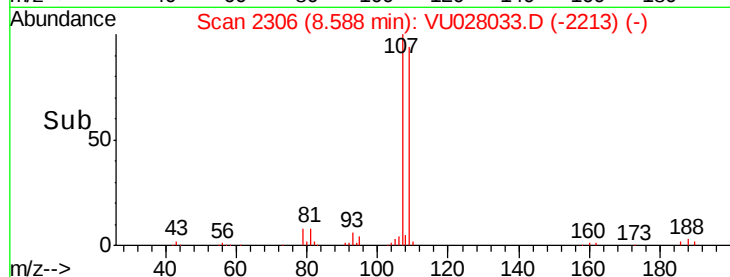
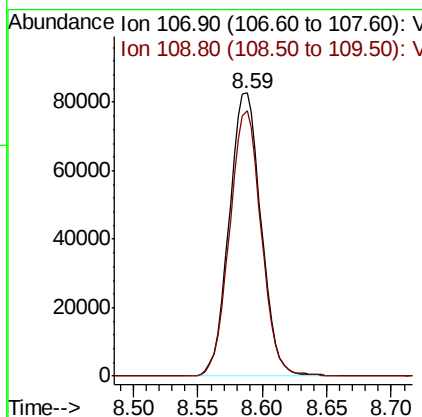
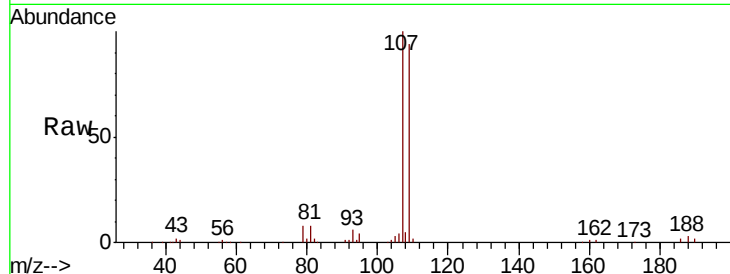
#61
 1,2-Dibromoethane
 Concen: 51.939 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	73.8	110.8

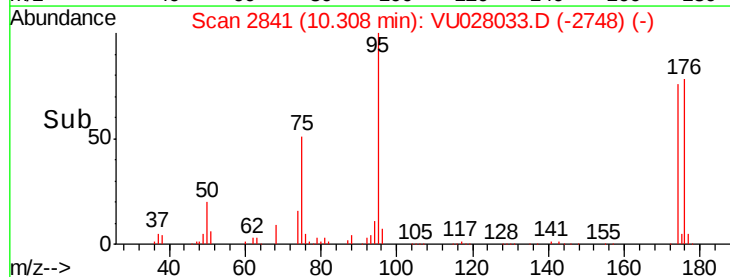
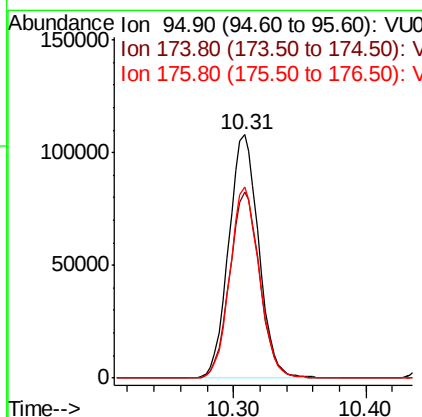
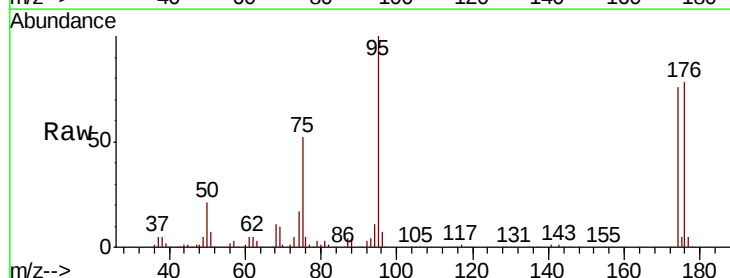
Manual Integrations
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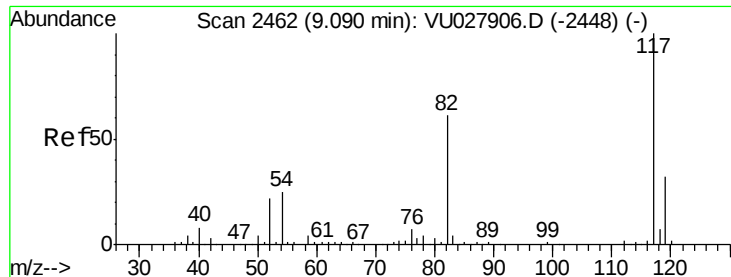
MMDadoda
 11/12/2018 12:01:43 PM



#62
 4-Bromofluorobenzene
 Concen: 55.997 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.4
176	76.8	0.0	150.8





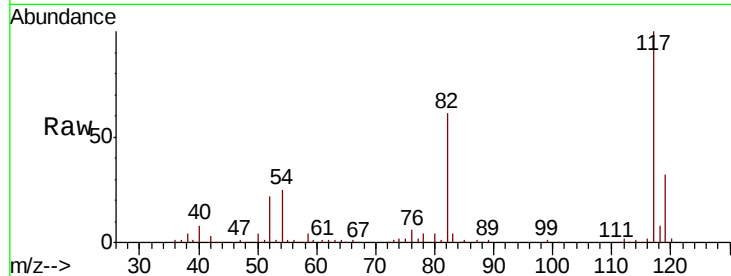
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	48.6	73.0
119	31.6	25.8	38.8

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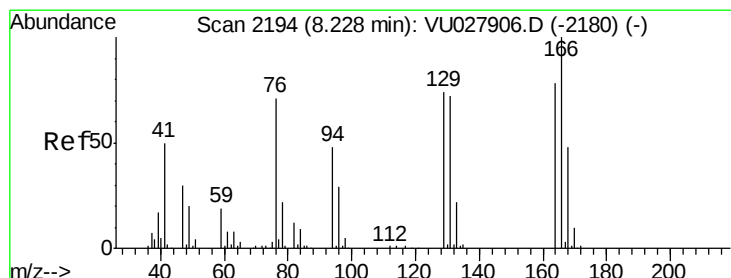
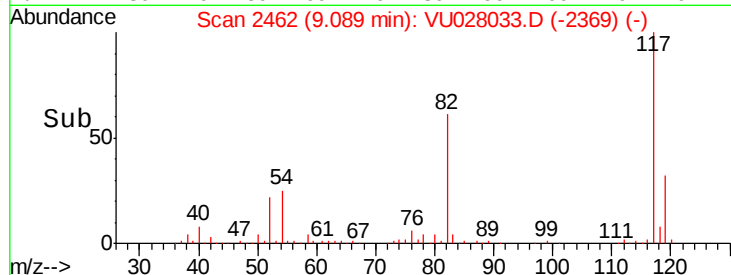
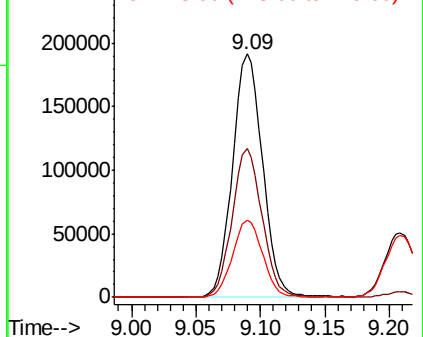


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.153 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	102.1	153.1
129	94.9	75.9	113.9
131	93.1	73.0	109.6

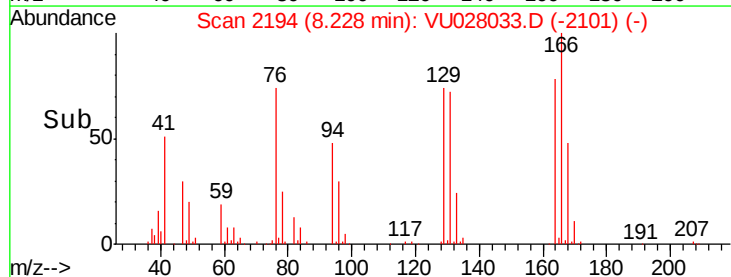
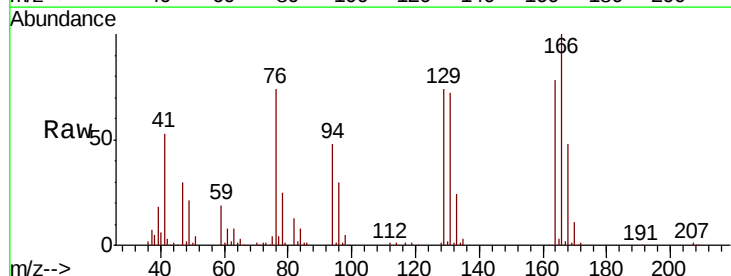
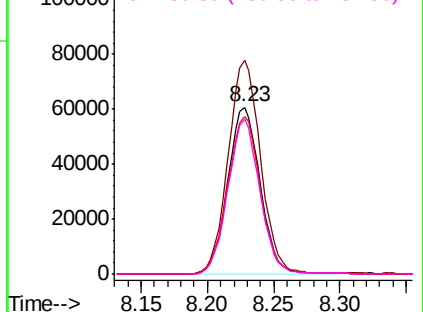
Abundance

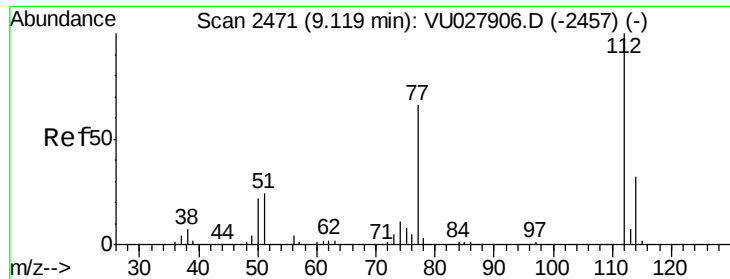
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





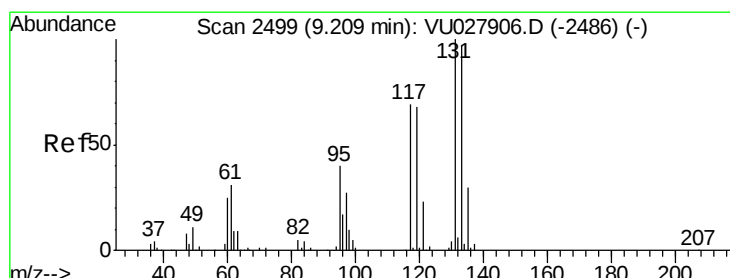
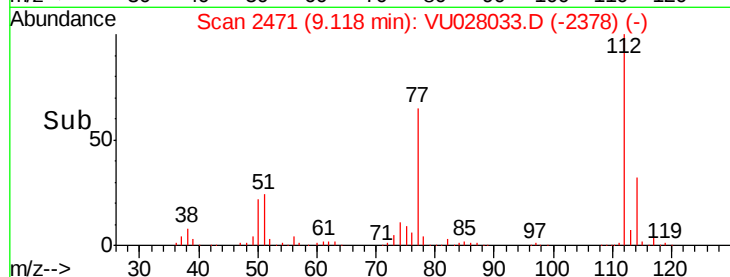
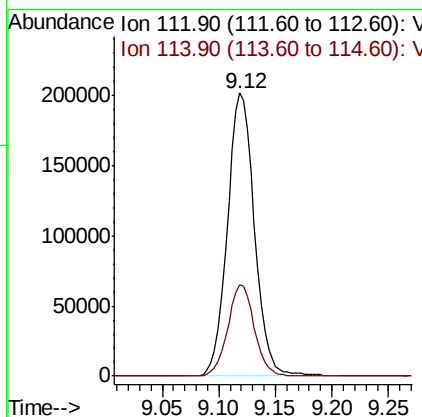
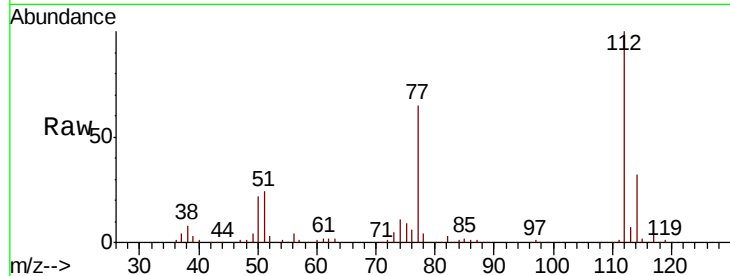
#65
Chlorobenzene
Concen: 51.116 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 335850
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

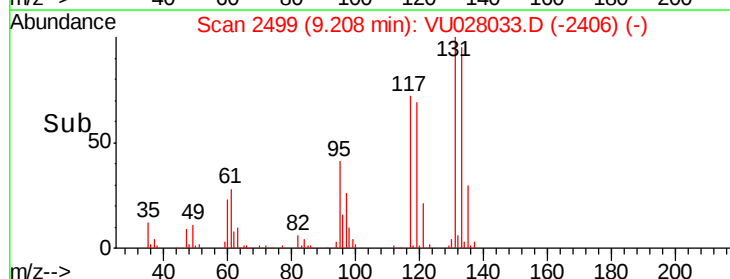
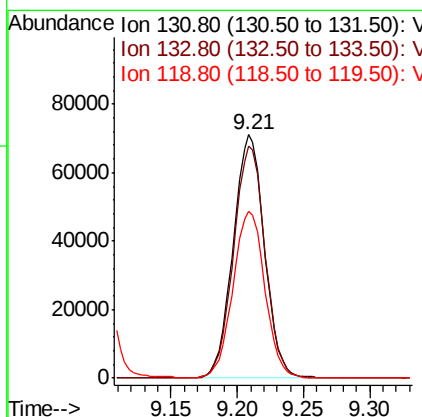
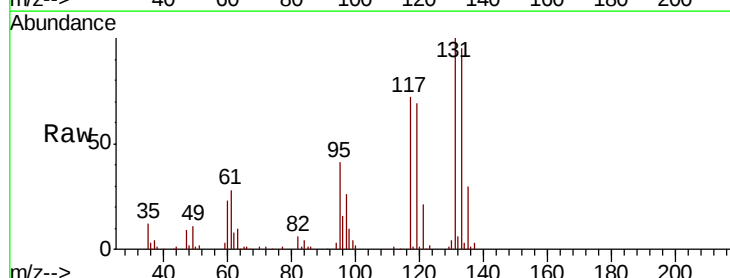
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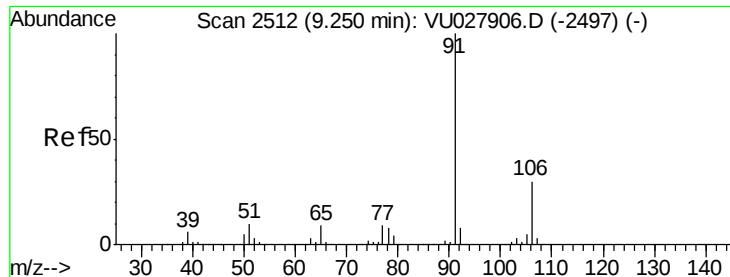
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.859 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:131 Resp: 116382
Ion Ratio Lower Upper
131 100
133 95.7 48.1 144.4
119 69.7 34.0 101.8





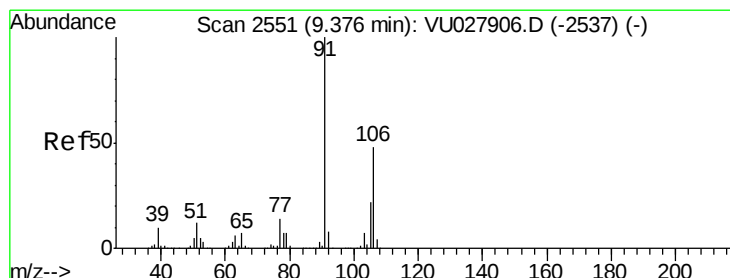
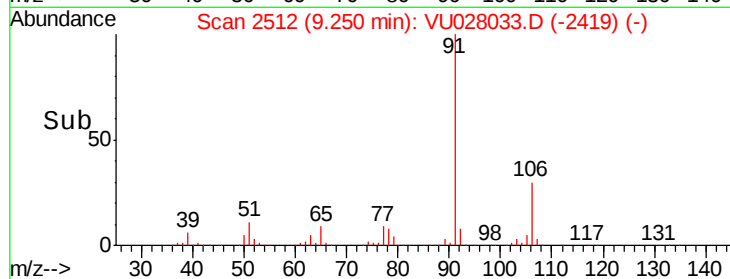
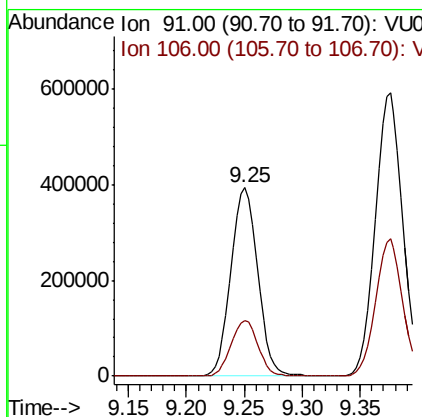
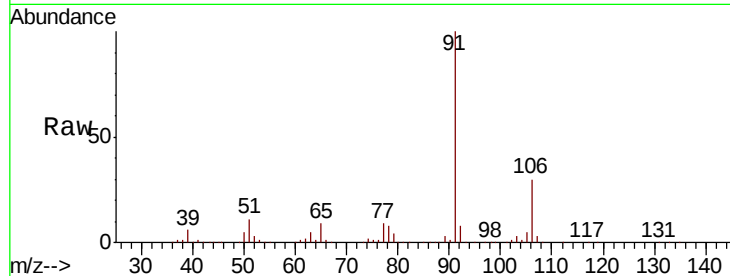
#67
Ethyl Benzene
Concen: 52.112 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 630234
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

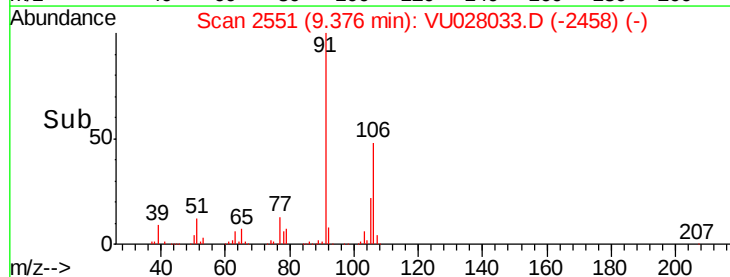
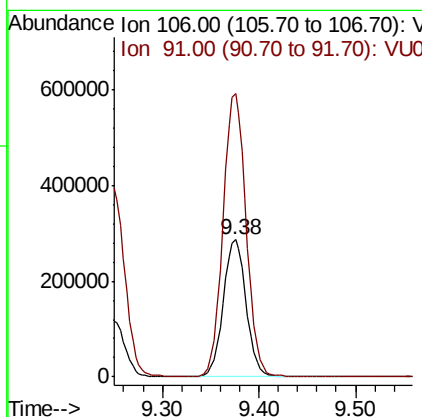
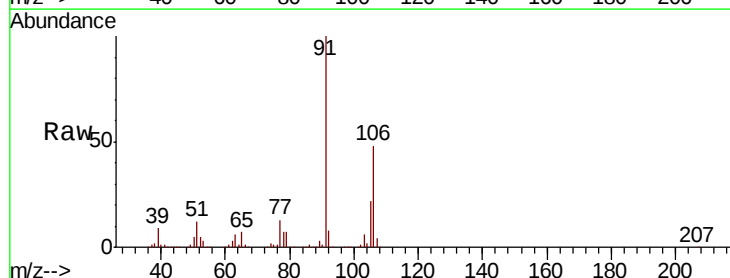
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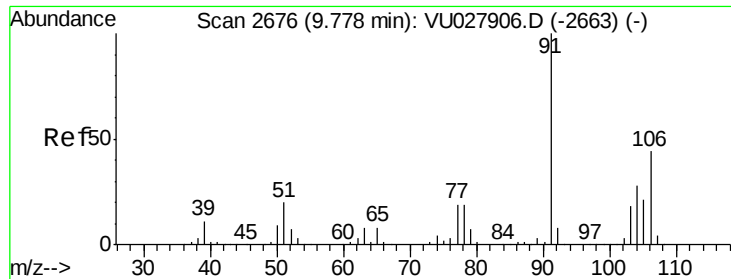
MMDadoda
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#68
m/p-Xylenes
Concen: 106.603 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 106 Resp: 467787
Ion Ratio Lower Upper
106 100
91 208.0 168.2 252.4





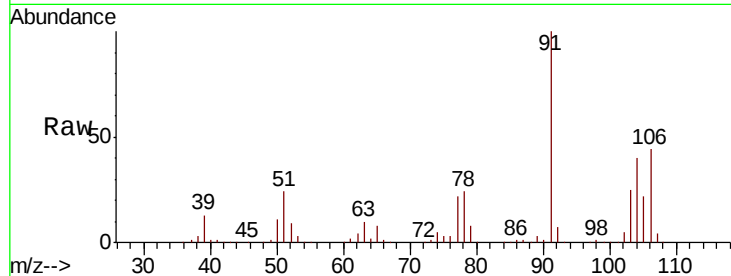
#69
o-Xylene
Concen: 50.564 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

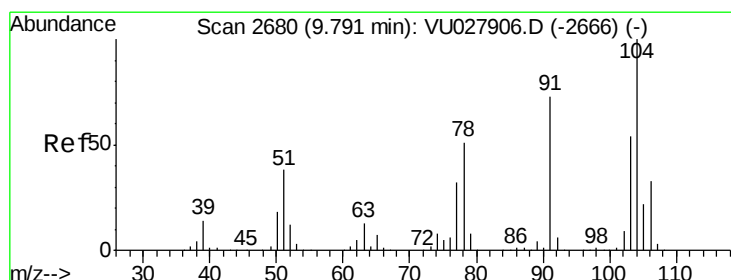
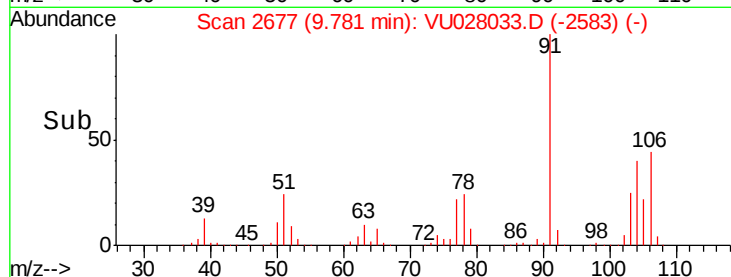
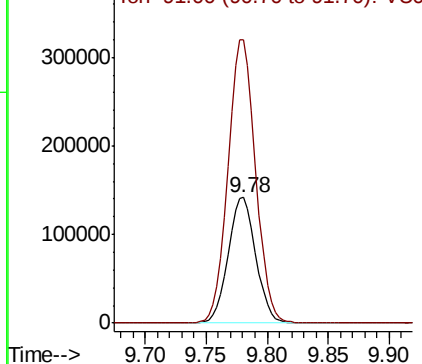
Tot Ion:106 Resp: 224053
Ion Ratio Lower Upper
106 100
91 225.9 111.1 333.4

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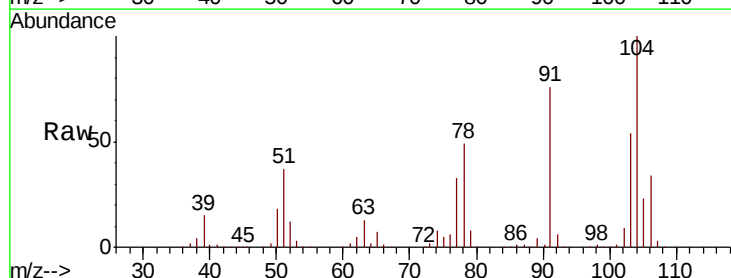


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

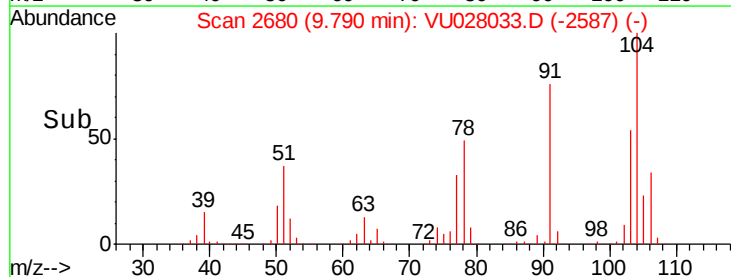
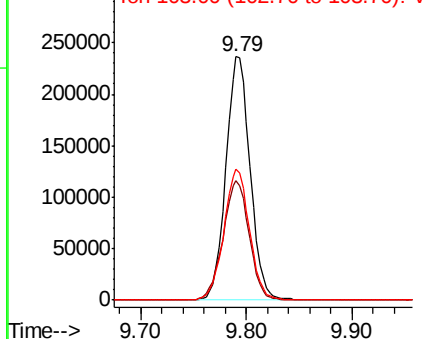


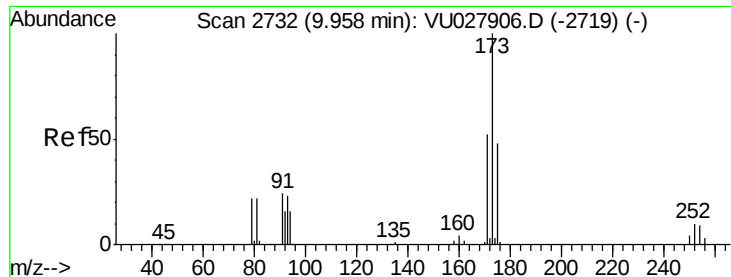
#70
Styrene
Concen: 52.891 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion:104 Resp: 374471
Ion Ratio Lower Upper
104 100
78 52.8 43.0 64.4
103 56.8 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





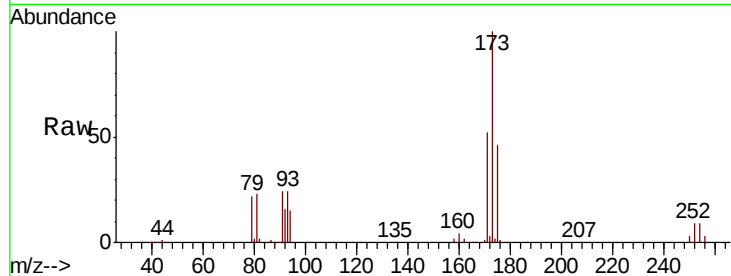
#71
Bromoform
Concen: 54.483 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	72.8
254	0.0	0.0	0.0

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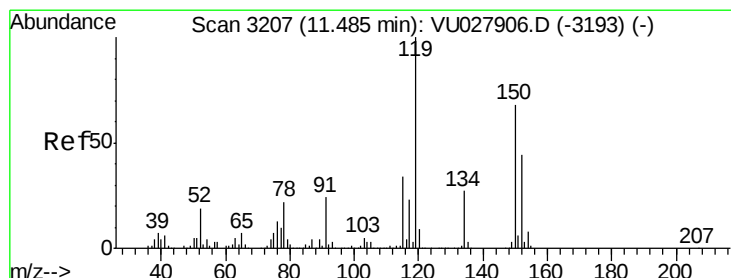
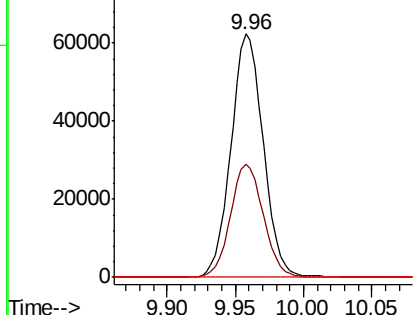
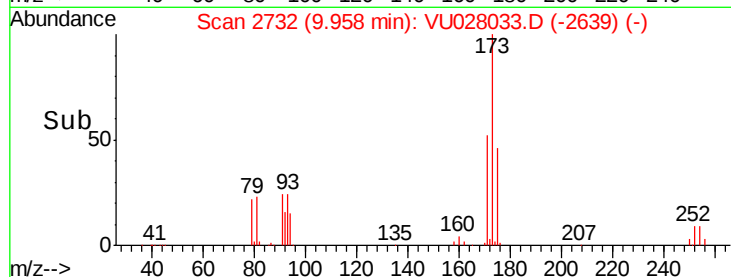


Abundance

Ion 172.70 (172.40 to 173.40): V

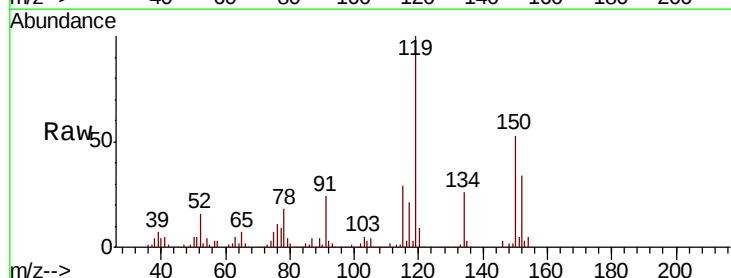
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	87.3	43.0	129.0
150	170.9	0.0	349.4

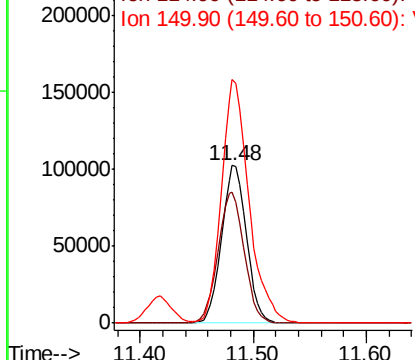
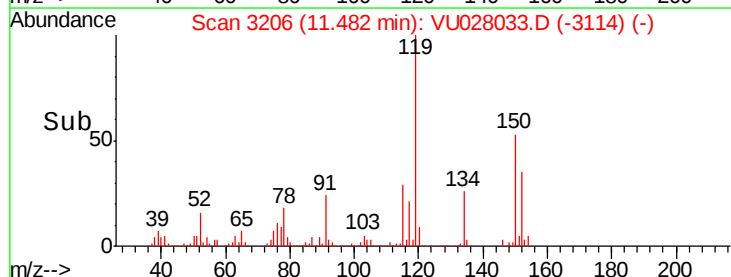


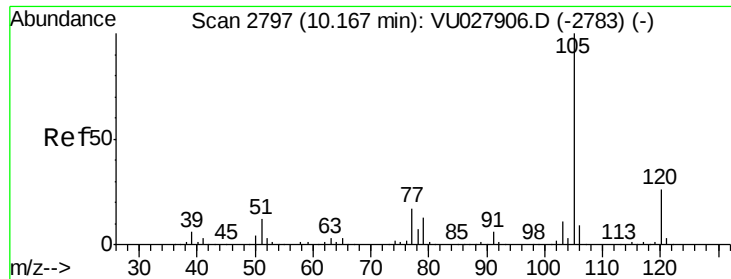
Abundance

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





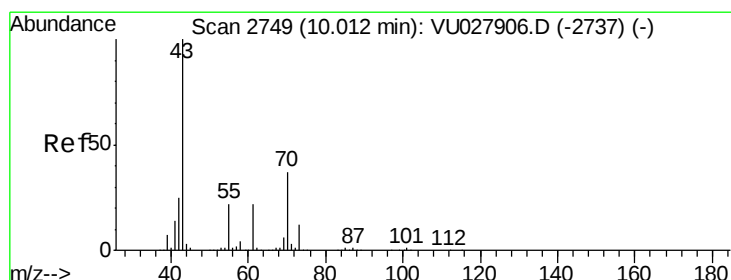
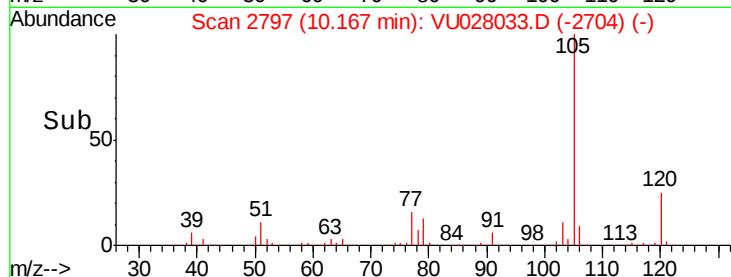
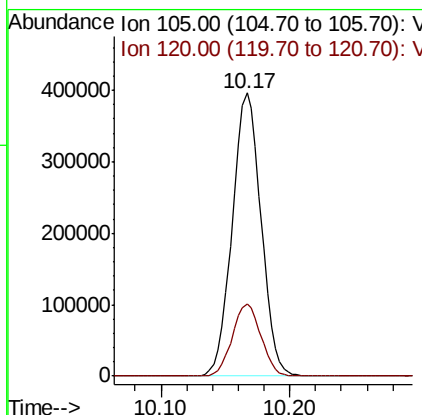
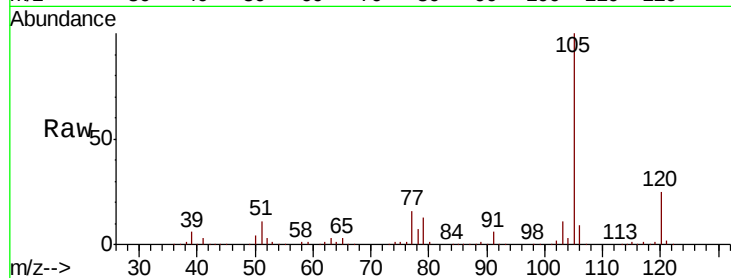
#73
Isopropylbenzene
Concen: 50.597 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 613996
Ion Ratio Lower Upper
105 100
120 25.3 12.7 38.0

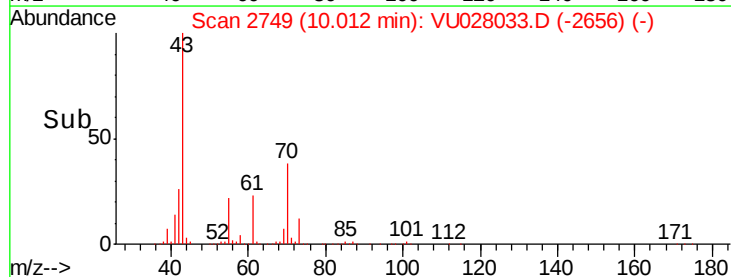
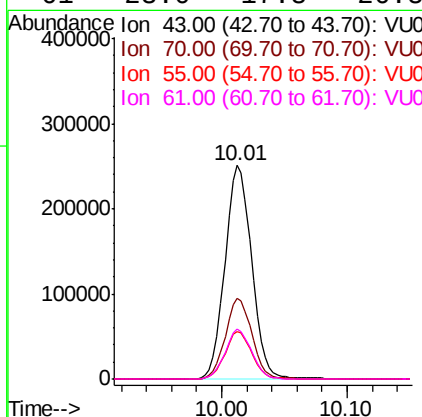
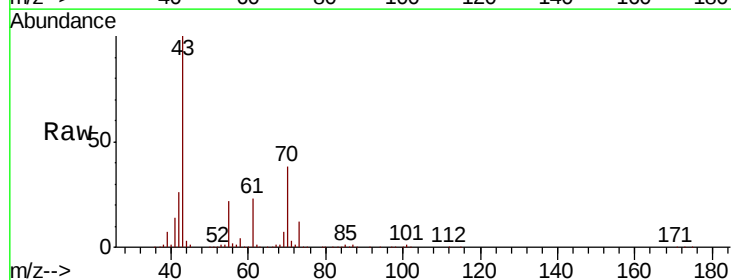
Manual Integrations
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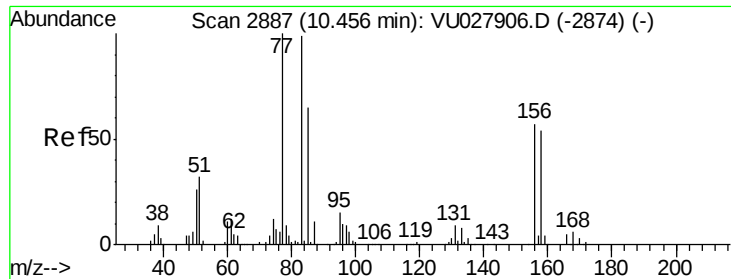
MMDadoda
11/12/2018 12:01:43 PM



#74
N-ethyl acetate
Concen: 50.468 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 43 Resp: 370333
Ion Ratio Lower Upper
43 100
70 37.5 29.2 43.8
55 22.4 17.8 26.6
61 23.0 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 48.144 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

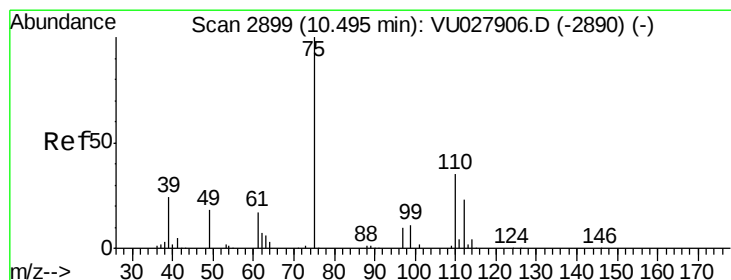
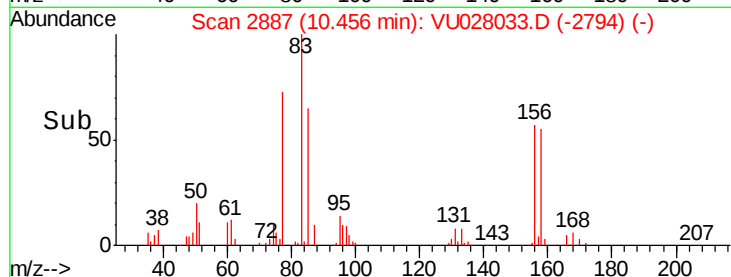
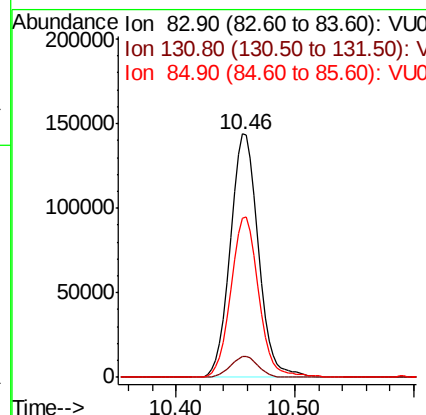
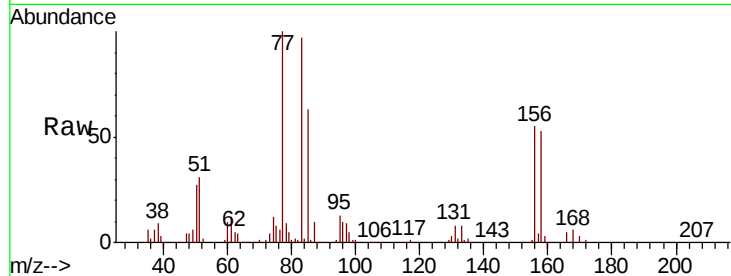
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	235663
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.3	13.1
85	65.2	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.837 ug/l m

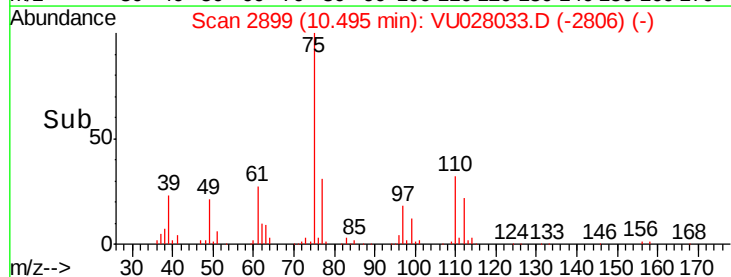
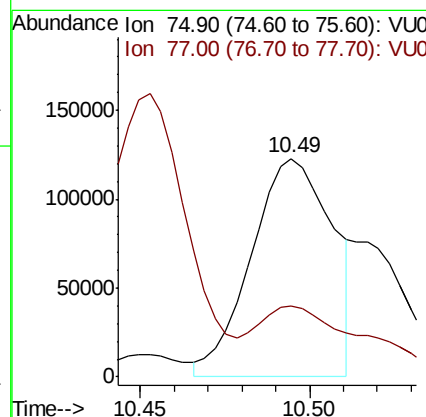
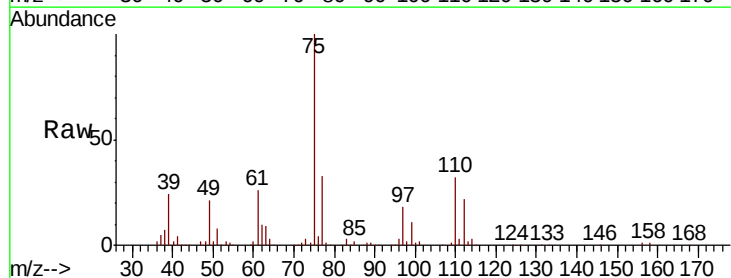
RT: 10.49 min Scan# 2899

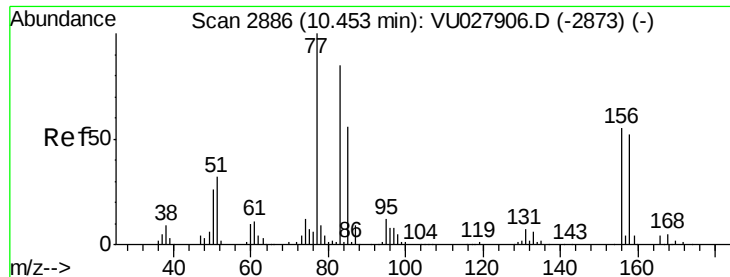
Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion:	75	Resp:	204966
Ion Ratio	Lower	Upper	
75	100		
77	43.5	21.6	64.6





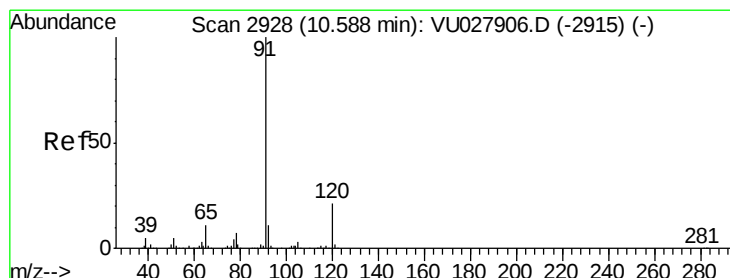
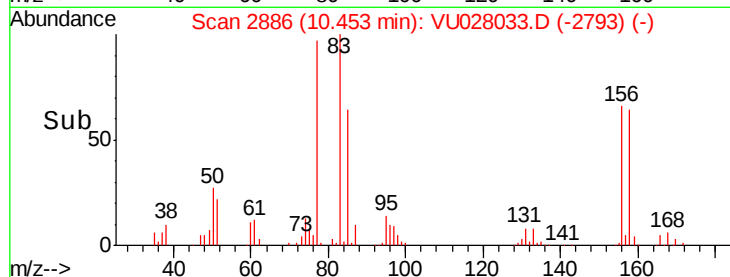
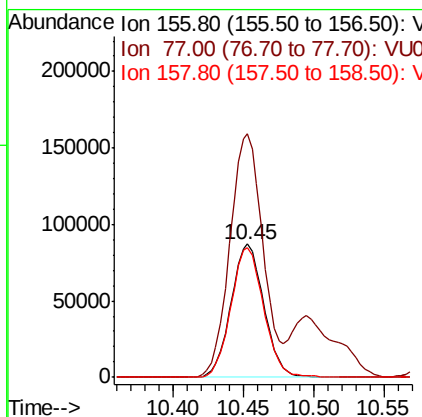
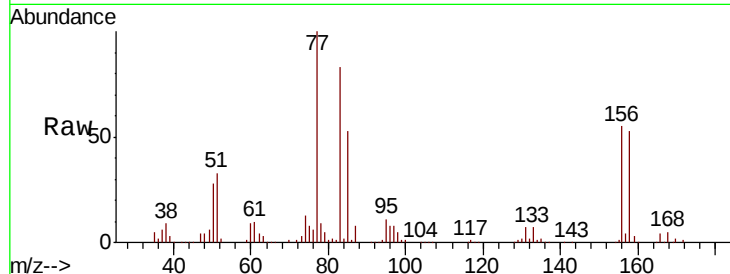
#77
Bromobenzene
Concen: 51.030 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.0	91.8	275.6
158	97.3	48.4	145.2

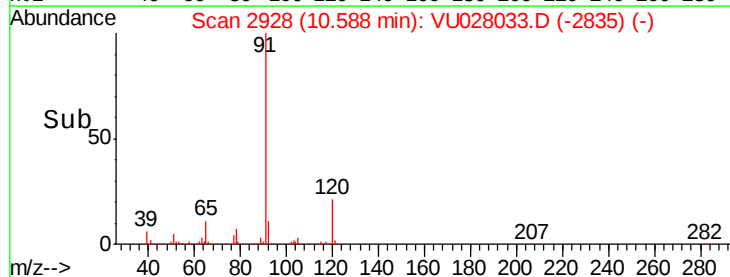
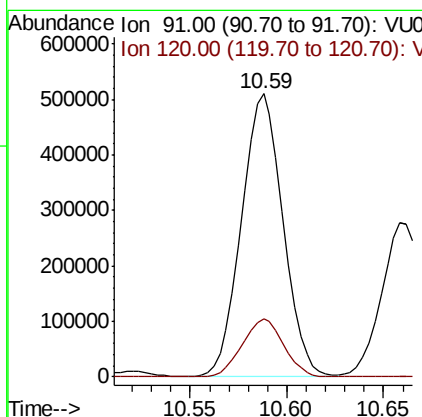
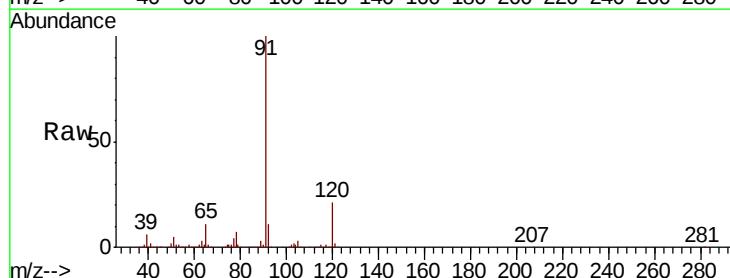
Manual Integrations
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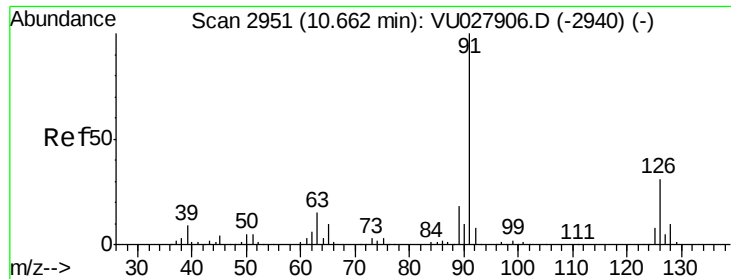
MMDadoda
11/12/2018 12:01:43 PM



#78
n-propylbenzene
Concen: 52.450 ug/l
RT: 10.59 min Scan# 2928
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.6	31.8





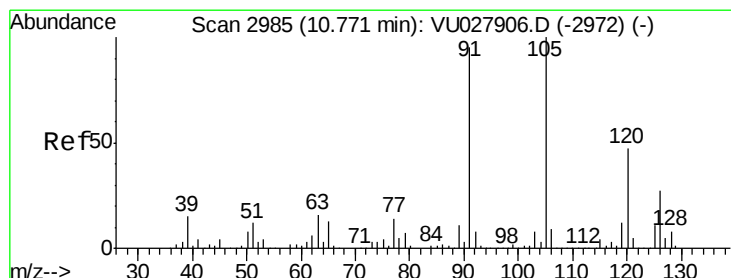
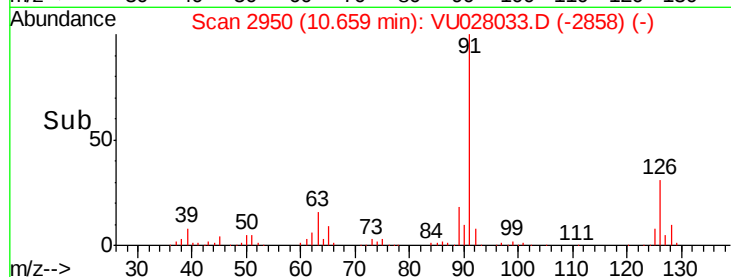
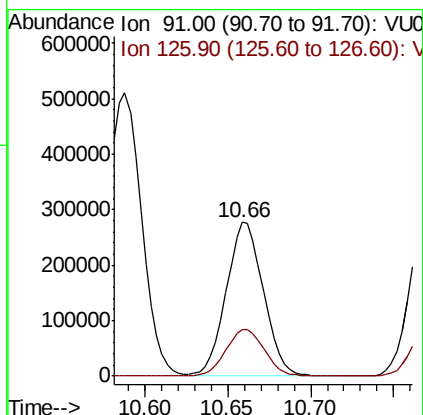
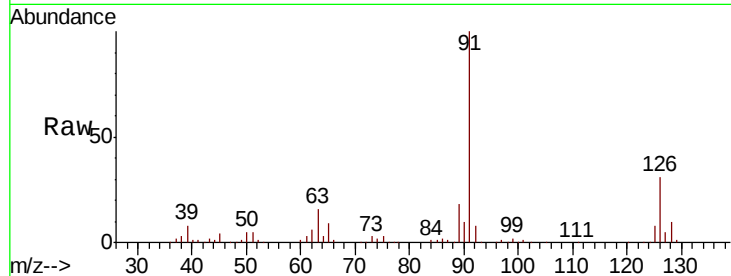
#79
2-Chlorotoluene
Concen: 49.528 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 431229
Ion Ratio Lower Upper
91 100
126 31.4 16.0 47.9

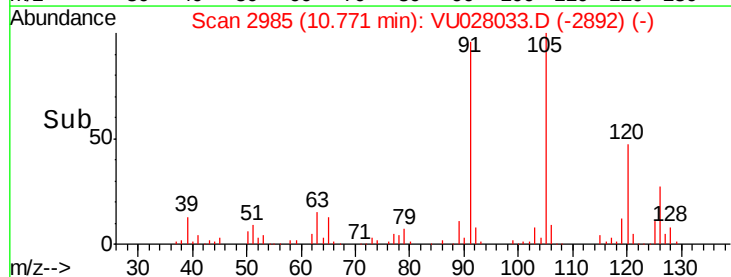
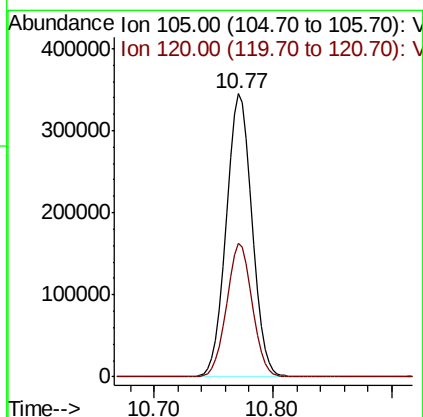
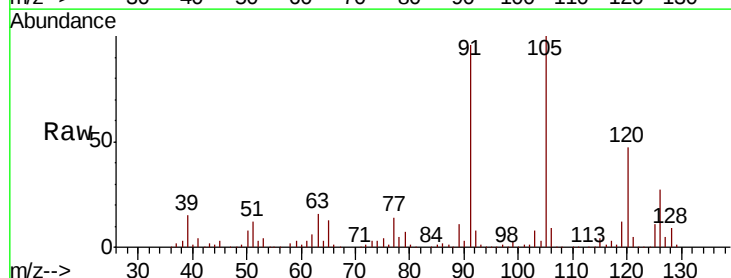
Manual Integrations
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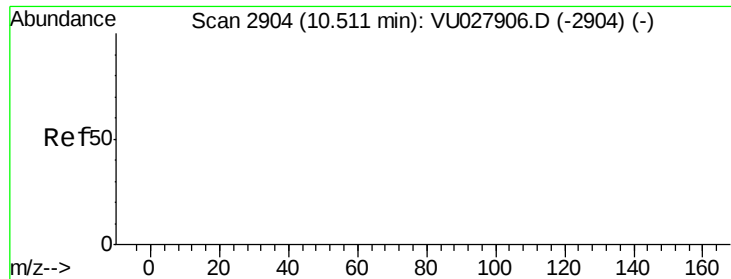
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.451 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion: 105 Resp: 517216
Ion Ratio Lower Upper
105 100
120 46.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 49.748 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U

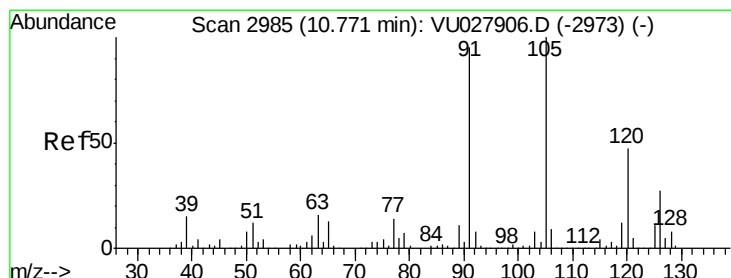
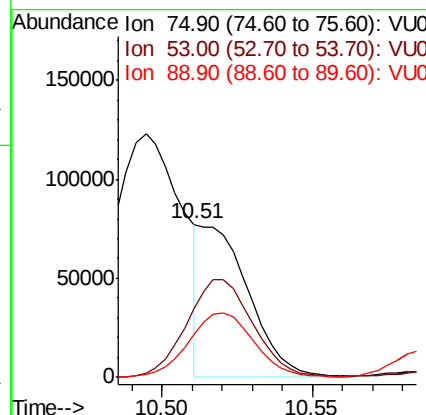
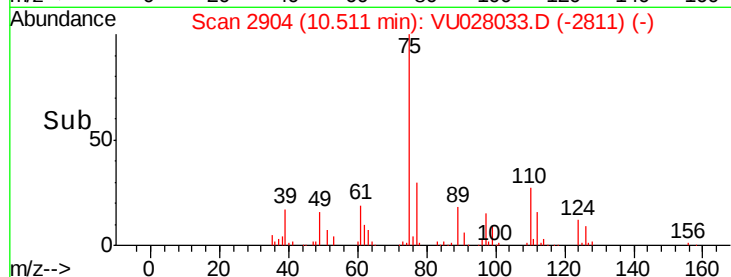
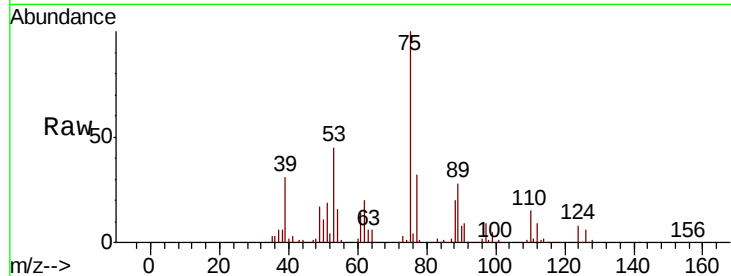
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 85370

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.295 ug/l

RT: 10.77 min Scan# 2985

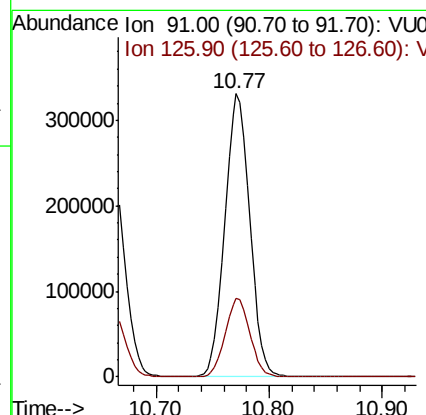
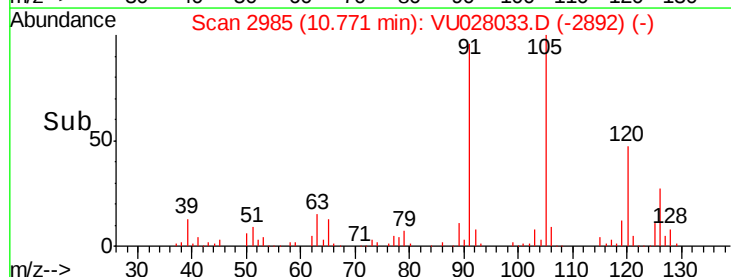
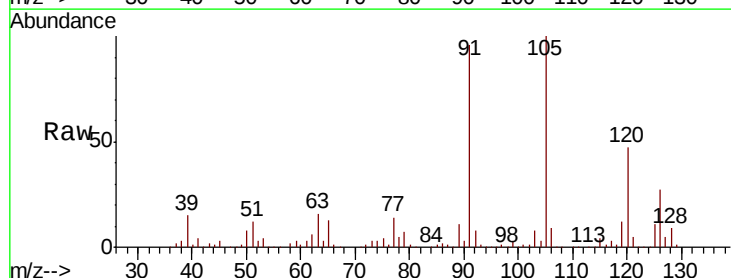
Delta R.T. -0.00 min

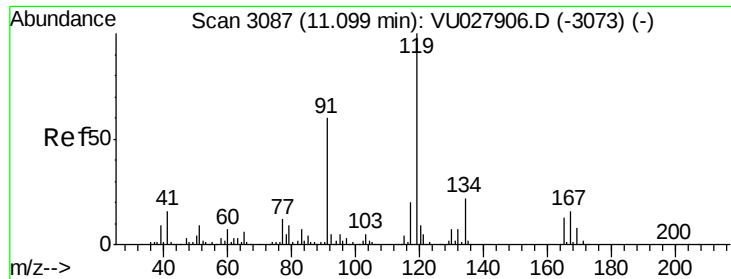
Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion: 91 Resp: 507030

Ion	Ratio	Lower	Upper
91	100		
126	27.6	14.2	42.6





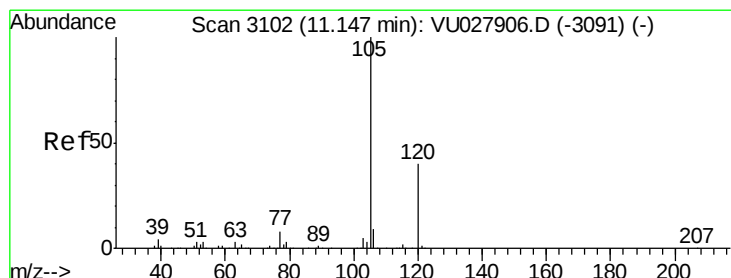
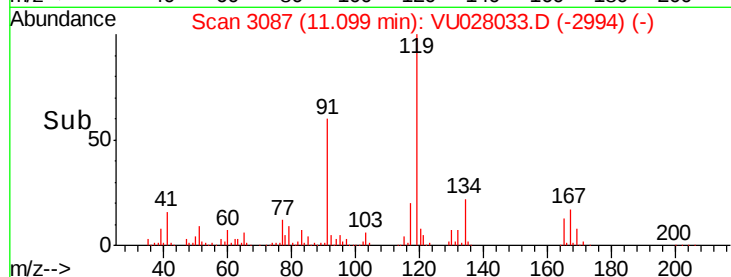
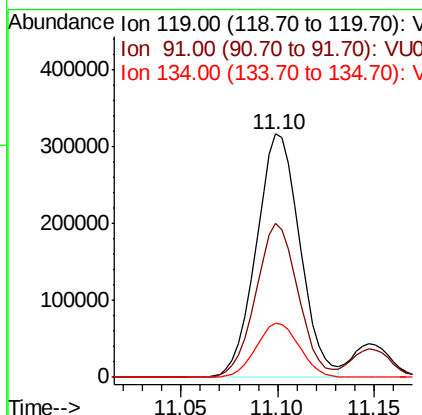
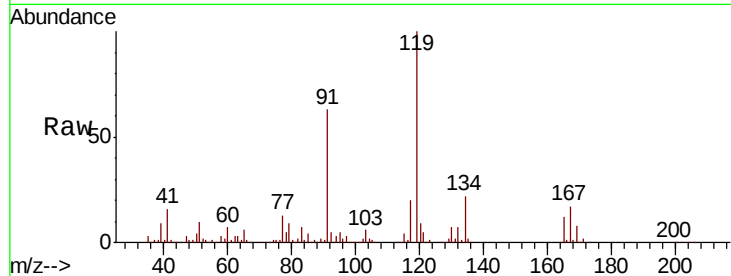
#83
tert-Butylbenzene
Concen: 49.424 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	496692		
91	61.4	29.8	89.3	
134	22.1	11.1	33.1	

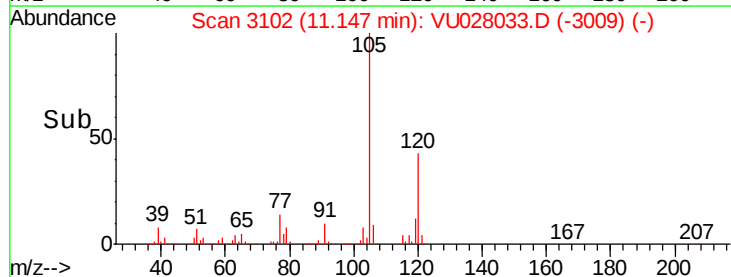
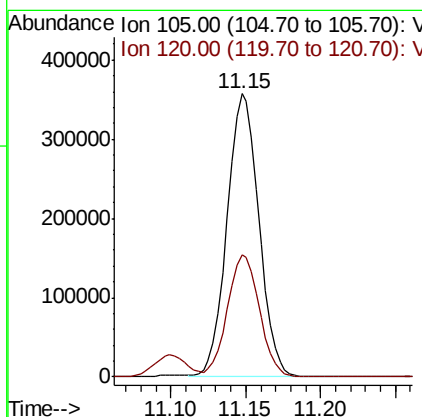
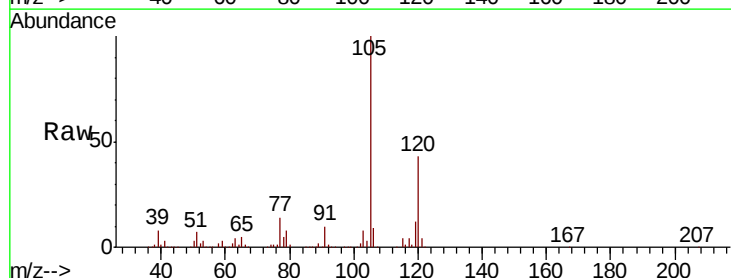
Manual Integrations
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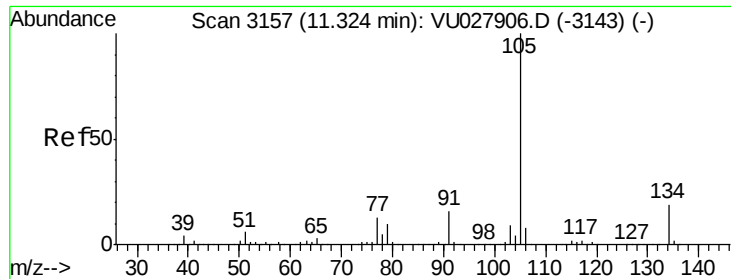
MMDadoda
11/12/2018 12:01:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.307 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	529479		
120	43.3	22.1	66.1	





#85

sec-Butylbenzene

Concen: 52.450 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641047

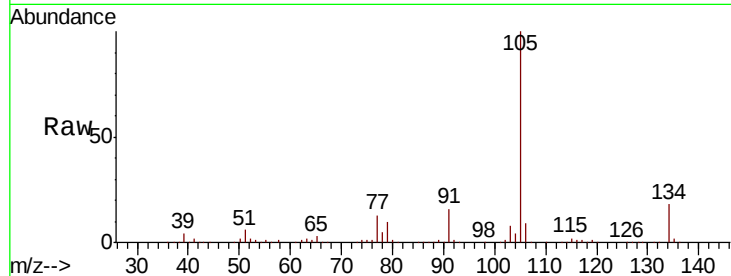
Ion Ratio Lower Upper

105 100

134 18.5 9.2 27.6

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

400000

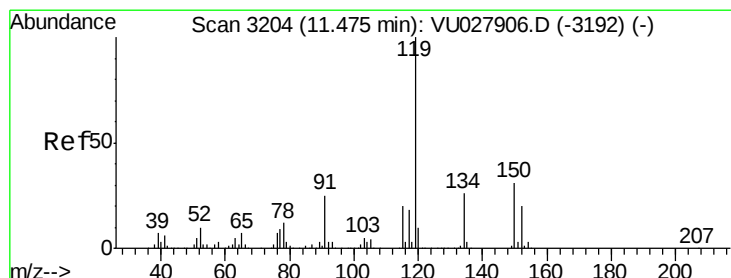
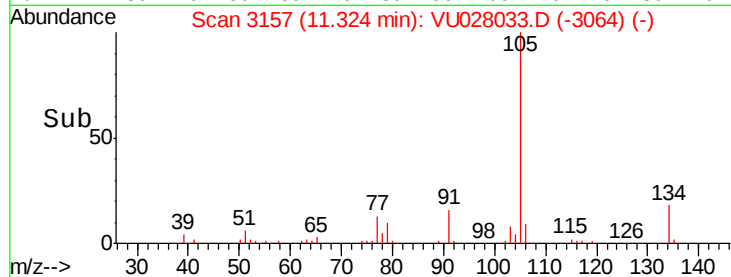
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.940 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

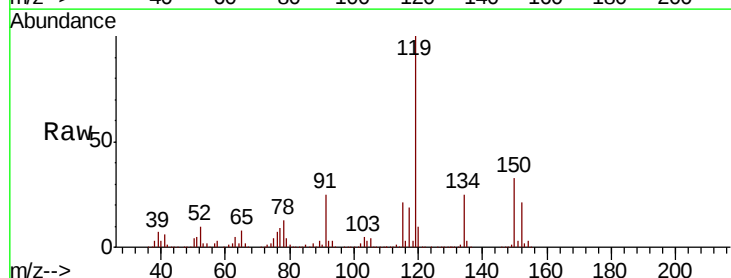
Tgt Ion:119 Resp: 540904

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

91 24.6 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

400000

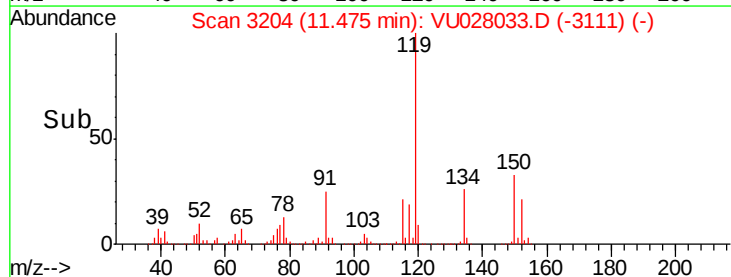
300000

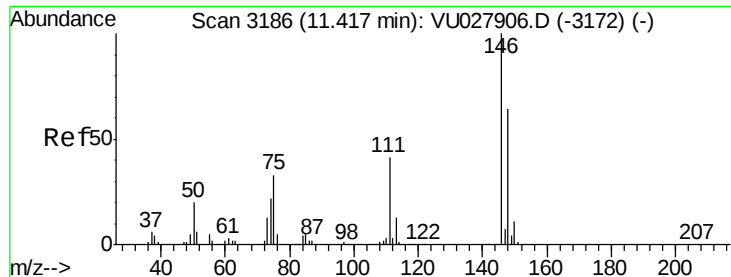
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.817 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Instrument :

MSVOA_U

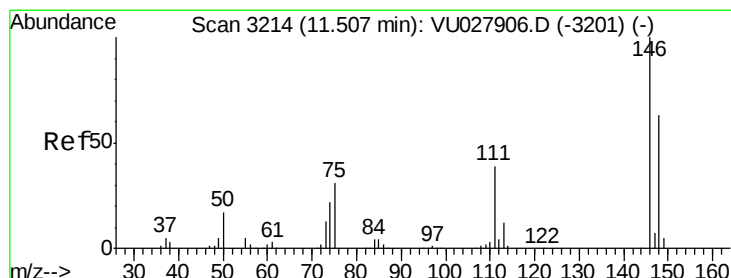
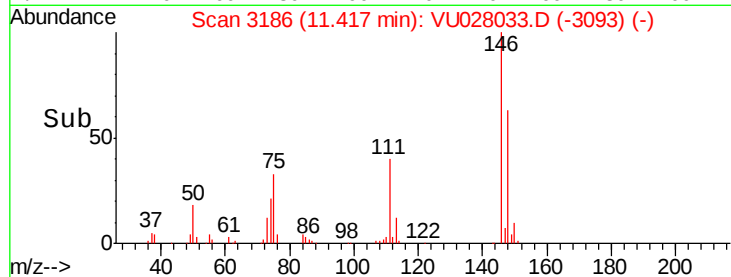
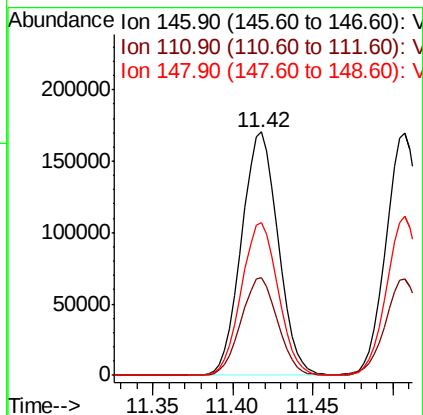
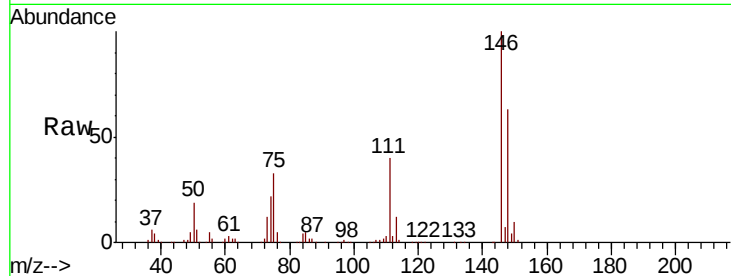
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	266353
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.3	61.0
148	63.2	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.465 ug/l

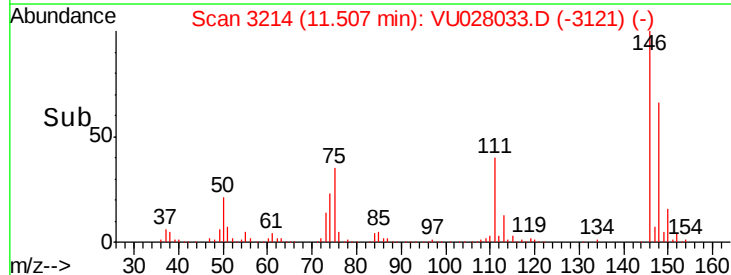
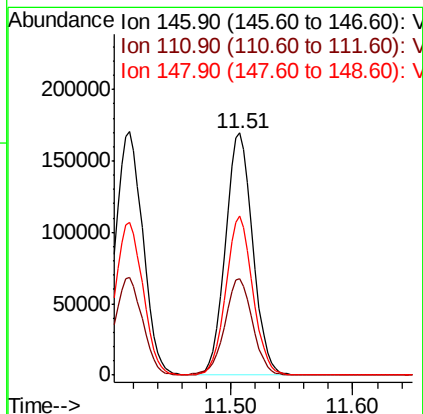
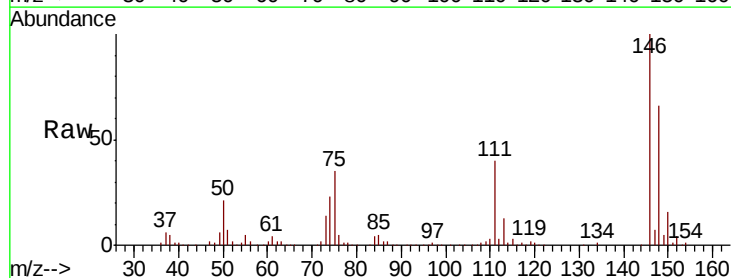
RT: 11.51 min Scan# 3214

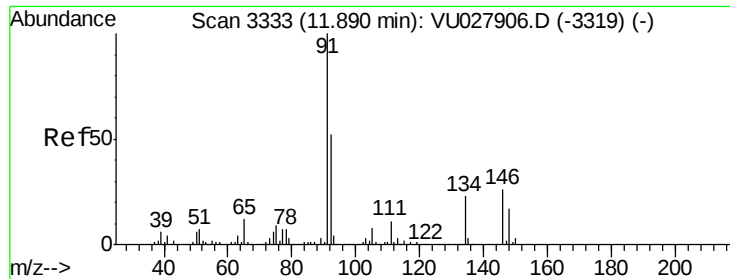
Delta R.T. -0.00 min

Lab File: VU028033.D

Acq: 09 Nov 2018 10:36

Tgt Ion:	146	Resp:	265878
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.9
148	64.7	32.0	96.2





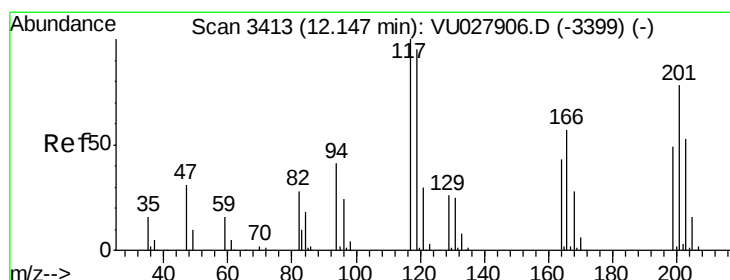
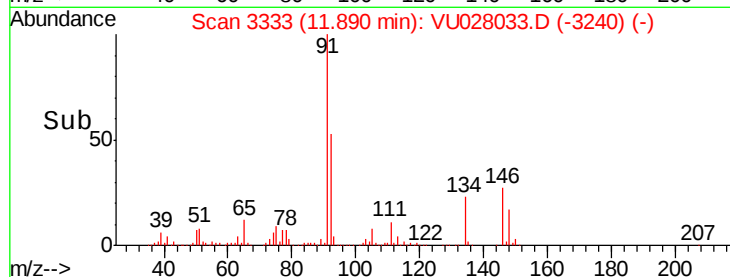
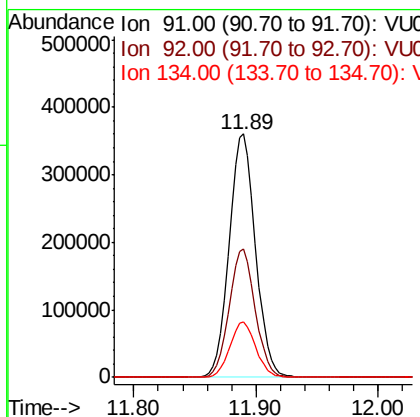
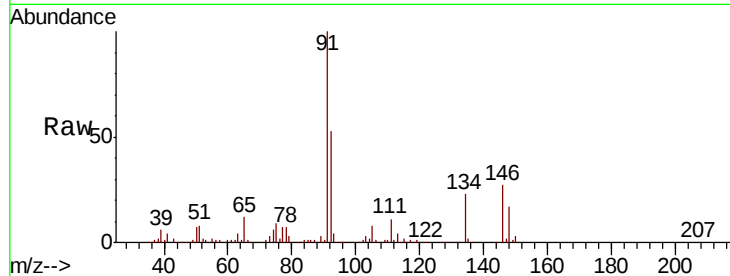
#89
n-Butylbenzene
Concen: 55.875 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	22.5	11.5	34.5

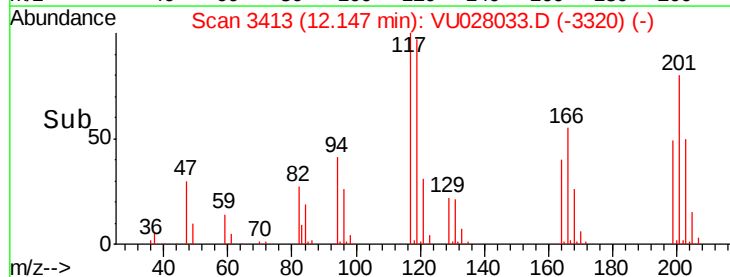
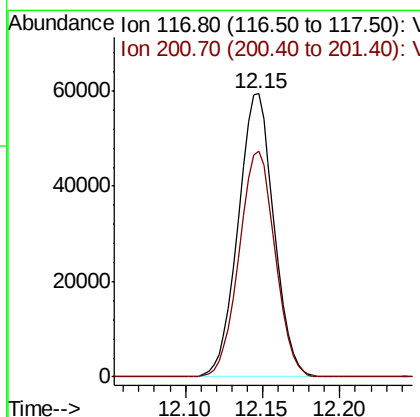
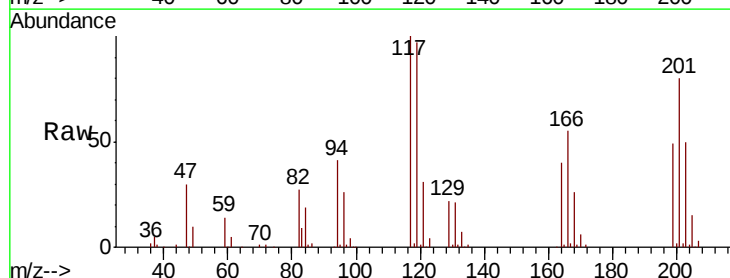
Manual Integrations
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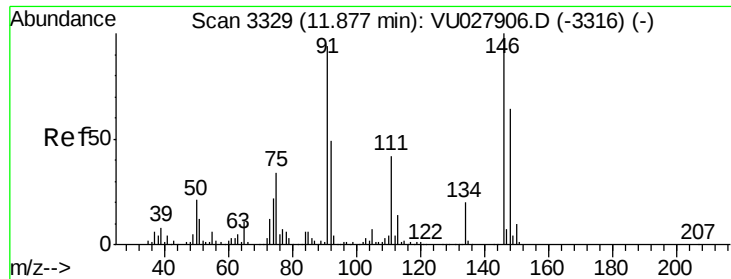
MMDadoda
11/12/2018 12:01:43 PM



#90
Hexachloroethane
Concen: 52.518 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	38.5	115.5





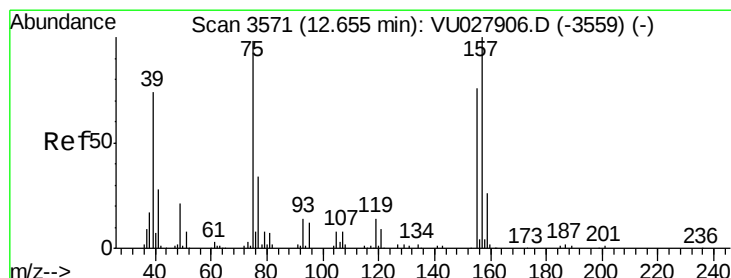
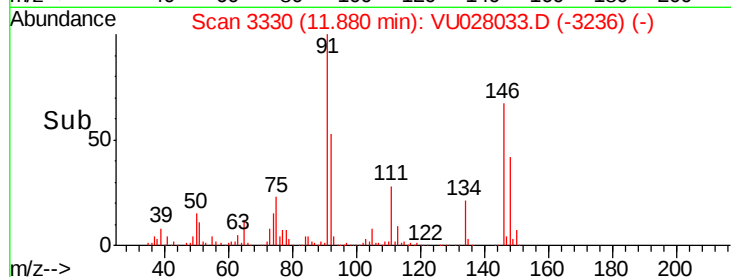
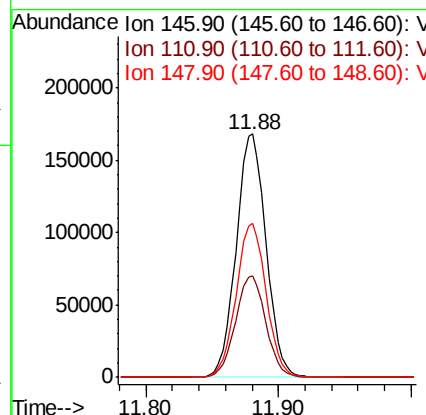
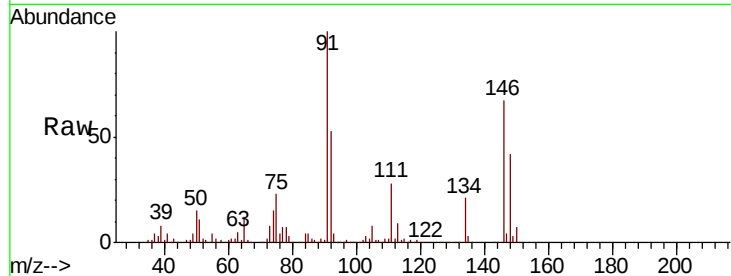
#91
1,2-Dichlorobenzene
Concen: 50.834 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	64.0
148	63.6	31.8	95.3

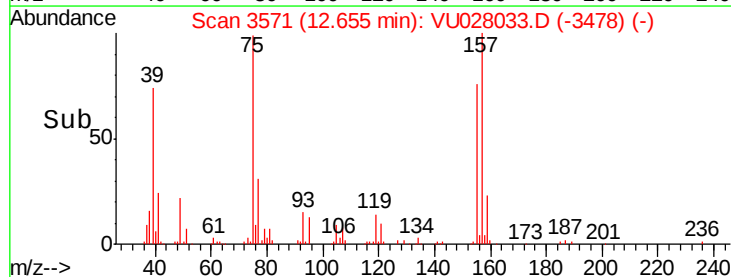
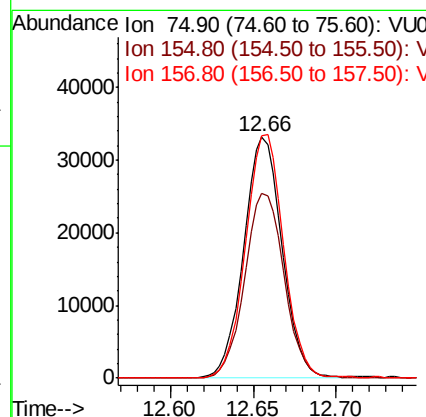
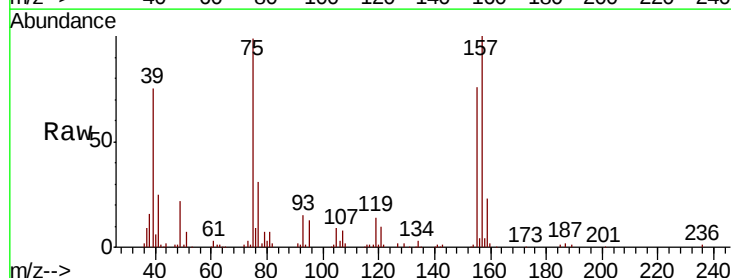
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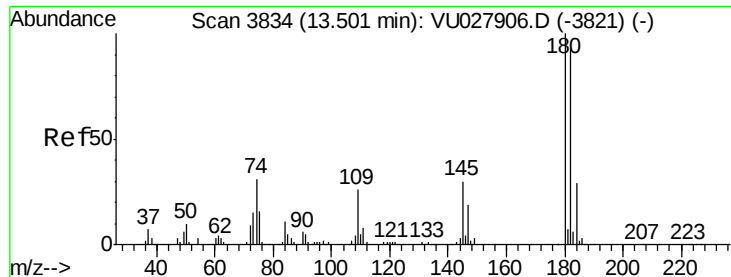
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#92
1,2-Dibromo-3-Chloropropane
Concen: 51.846 ug/l
RT: 12.66 min Scan# 3571
Delta R.T. -0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	39.8	119.3
157	100.1	50.6	151.9





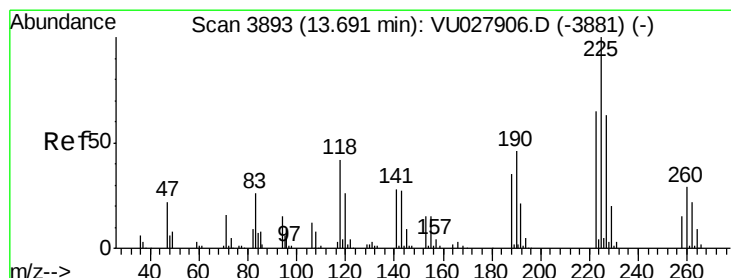
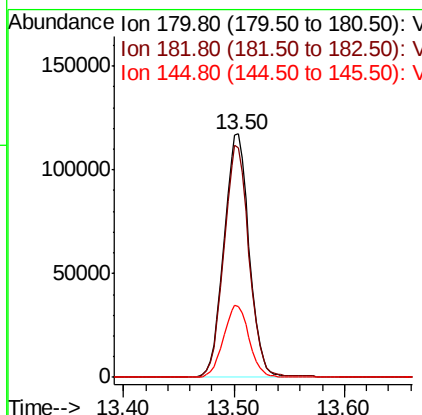
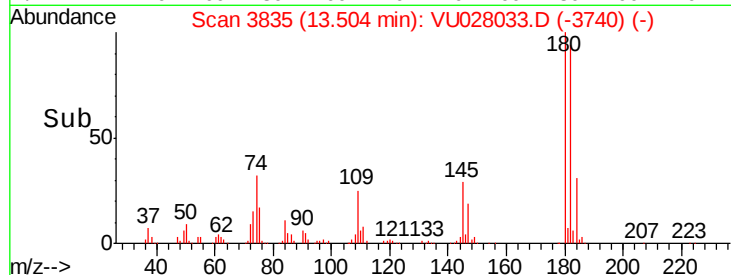
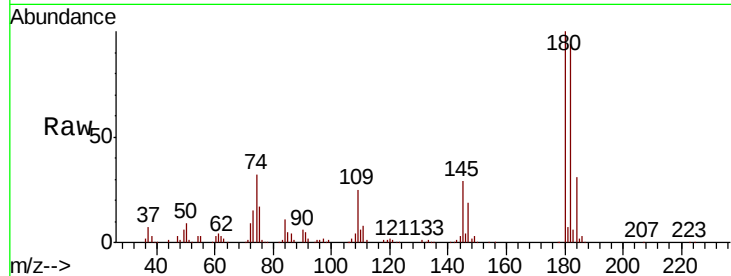
#93
 1,2,4-Trichlorobenzene
 Concen: 51.382 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.4	145.2
145	30.0	14.9	44.5

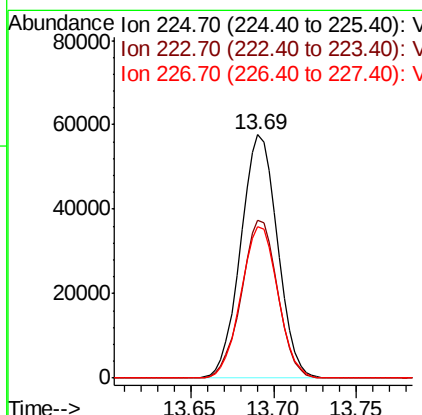
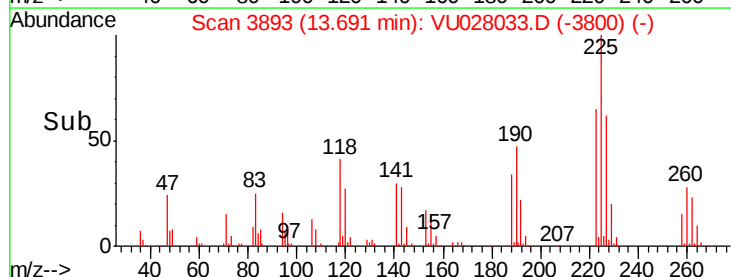
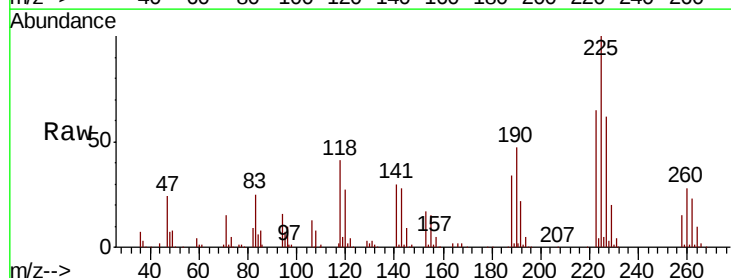
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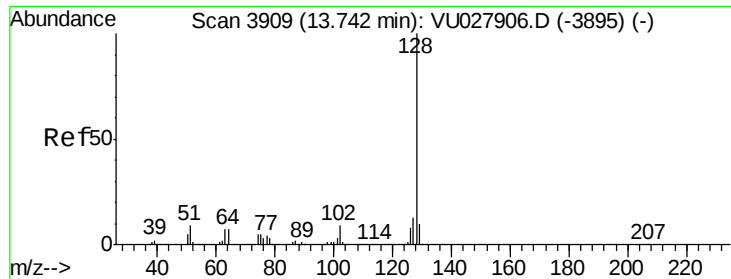
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#94
 Hexachlorobutadiene
 Concen: 54.401 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028033.D
 Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.2	96.6
227	62.4	32.5	97.4





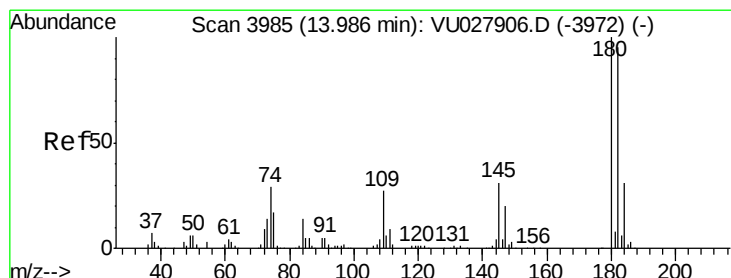
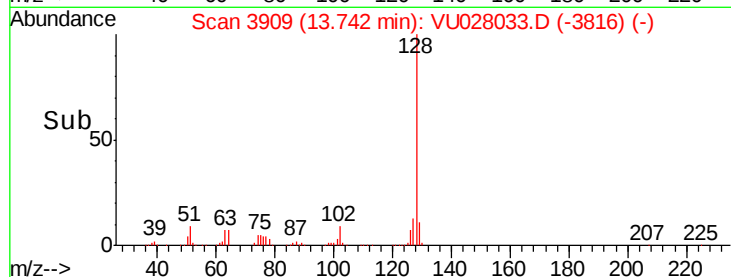
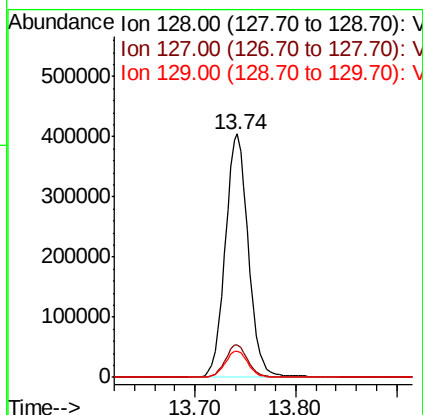
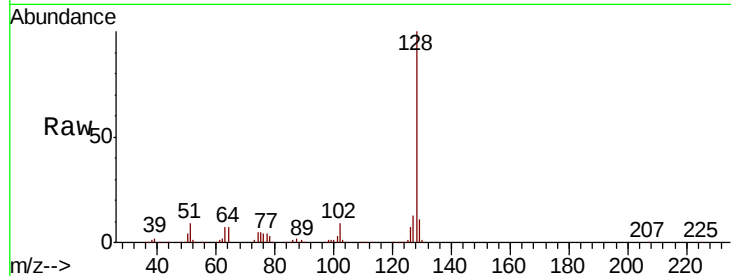
#95
Naphthalene
Concen: 50.391 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.472 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028033.D
Acq: 09 Nov 2018 10:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.3
145	32.2	16.0	47.9

