

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100218\
 Data File : VU027339.D
 Acq On : 02 Oct 2018 11:04
 Operator : MD/SY
 Sample : VU1002WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 6:14:44 PM

Quant Time: Oct 03 02:18:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	107330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	181912	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	171912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82470	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	89718	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	4.89	113	62949	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	7.57	98	240381	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	10.31	95	83835	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	32834	21.219	ug/l	95
3) Chloromethane	1.33	50	43663	20.842	ug/l	100
4) Vinyl Chloride	1.40	62	40334	20.481	ug/l	99
5) Bromomethane	1.62	94	16928	19.866	ug/l	96
6) Chloroethane	1.70	64	22472	18.990	ug/l	100
7) Trichlorofluoromethane	1.89	101	42359	21.199	ug/l	95
8) Diethyl Ether	2.11	74	18502	20.101	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	24136	20.800	ug/l	95
10) Methyl Iodide	2.41	142	16065	21.514	ug/l	99
11) Tert butyl alcohol	2.83	59	39250	103.998	ug/l	98
12) 1,1-Dichloroethene	2.28	96	22024	19.426	ug/l	89
13) Acrolein	2.20	56	27784	87.733	ug/l	99
14) Allyl chloride	2.59	41	53295	19.796	ug/l	97
15) Acrylonitrile	2.94	53	101745	103.578	ug/l	99
16) Acetone	2.32	43	100412	94.838	ug/l	99
17) Carbon Disulfide	2.48	76	76535	18.718	ug/l	99
18) Methyl Acetate	2.62	43	50306	20.828	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	90822	19.993	ug/l	99
20) Methylene Chloride	2.70	84	29100	19.731	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	25341	19.909	ug/l	97
22) Diisopropyl ether	3.58	45	112980	20.647	ug/l	97
23) Vinyl Acetate	3.53	43	488715	102.269	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58126	20.663	ug/l	99
25) 2-Butanone	4.27	43	149668	103.662	ug/l	100
26) 2,2-Dichloropropane	4.23	77	45071	19.499	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27795	19.095	ug/l	94
28) Bromochloromethane	4.55	49	27507	20.268	ug/l	99
29) Tetrahydrofuran	4.64	42	96461	106.012	ug/l	100
30) Chloroform	4.67	83	51956	20.788	ug/l	99
31) Cyclohexane	5.00	56	54329	18.752	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	42937	20.398	ug/l	98
36) 1,1-Dichloropropene	5.14	75	38677	19.582	ug/l	98
37) Ethyl Acetate	4.38	43	52054	20.392	ug/l	99
38) Carbon Tetrachloride	5.14	117	35927	20.136	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	43274	18.743	ug/l	98
40) Benzene	5.39	78	117937	20.499	ug/l	98
41) Methacrylonitrile	4.55	41	30375	21.053	ug/l	98
42) 1,2-Dichloroethane	5.41	62	44353	20.768	ug/l	100
43) Isopropyl Acetate	5.55	43	80330	20.262	ug/l	99
44) Trichloroethene	6.19	130	25203	19.645	ug/l	100
45) 1,2-Dichloropropane	6.43	63	34252	20.640	ug/l	98
46) Dibromomethane	6.56	93	20010	21.350	ug/l	98
47) Bromodichloromethane	6.76	83	40014	20.575	ug/l	100
48) Methyl methacrylate	6.62	41	40399	20.491	ug/l	97
49) 1,4-Dioxane	6.61	88	14745	434.674	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	273491	106.159	ug/l	99
52) Toluene	7.64	92	68892	20.230	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	45052	19.758	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48936	19.963	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	28105	20.816	ug/l	99
56) Ethyl methacrylate	8.02	69	44480	18.693	ug/l	98
57) 1,3-Dichloropropane	8.24	76	52620	20.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	129471	96.411	ug/l	98
59) 2-Hexanone	8.36	43	211143	105.653	ug/l	98
60) Dibromochloromethane	8.48	129	27257	20.128	ug/l	99
61) 1,2-Dibromoethane	8.59	107	29369	20.458	ug/l	99
64) Tetrachloroethene	8.23	164	21698	20.275	ug/l	97
65) Chlorobenzene	9.12	112	70508	19.485	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.21	131	25348	20.291	ug/l	99
67) Ethyl Benzene	9.25	91	123088	19.199	ug/l	100
68) m/p-Xylenes	9.38	106	92059	39.256	ug/l	100
69) o-Xylene	9.78	106	43745	19.629	ug/l	99
70) Styrene	9.79	104	72404	18.881	ug/l	99
71) Bromoform	9.96	173	19126	19.030	ug/l #	100
73) Isopropylbenzene	10.17	105	120146	20.059	ug/l	99
74) N-amyl acetate	10.02	43	67239	19.609	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	48817	20.756	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	44645m	20.883	ug/l	
77) Bromobenzene	10.45	156	27651	19.864	ug/l	98
78) n-propylbenzene	10.59	91	140187	19.478	ug/l	99
79) 2-Chlorotoluene	10.66	91	85206	19.607	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	98671	20.234	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	12708m	15.557	ug/l	
82) 4-Chlorotoluene	10.77	91	96253	19.518	ug/l	98
83) tert-Butylbenzene	11.10	119	93927	19.924	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	99669	20.009	ug/l	100
85) sec-Butylbenzene	11.32	105	117146	19.722	ug/l	99
86) p-Isopropyltoluene	11.48	119	99272	19.520	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	49239	18.680	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	50700	18.823	ug/l	98
89) n-Butylbenzene	11.89	91	84864	17.061	ug/l	98
90) Hexachloroethane	12.15	117	18454	19.250	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	49768	19.397	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10759	20.641	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29431	17.728	ug/l	99
94) Hexachlorobutadiene	13.69	225	15514	18.496	ug/l	97
95) Naphthalene	13.74	128	101610	17.416	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	32007	18.505	ug/l	99

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

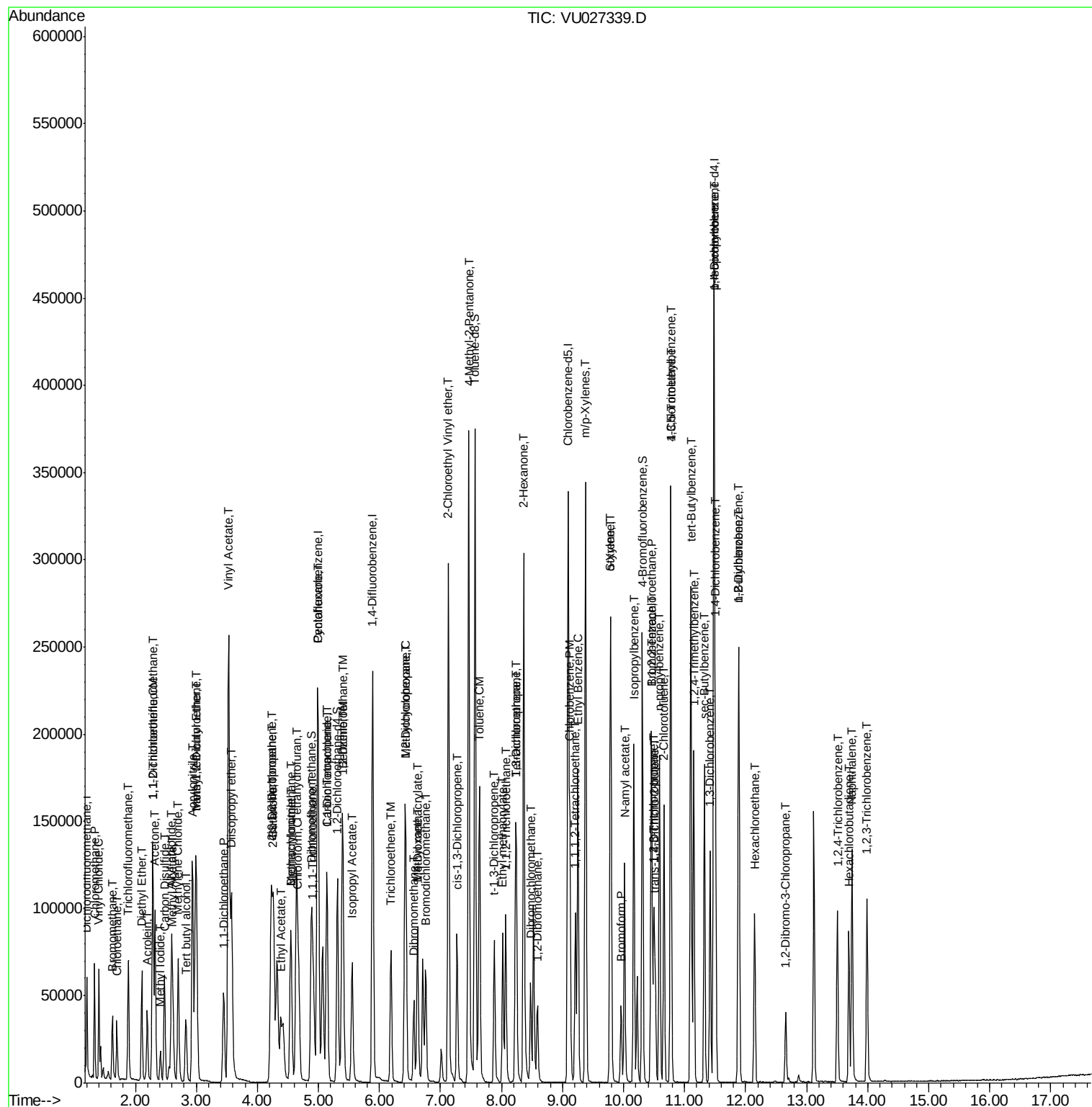
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Data File : VU027339.D
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Operator : MD/SY
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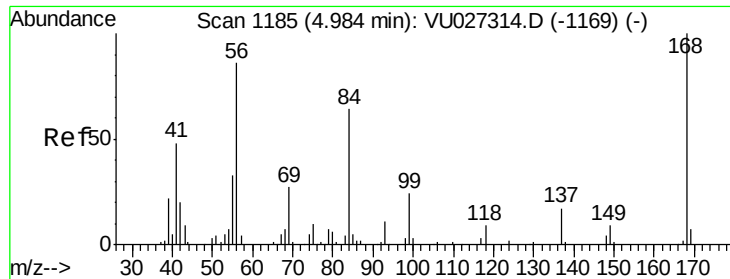
Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion:168 Resp: 107330

Ion Ratio Lower Upper

168 100

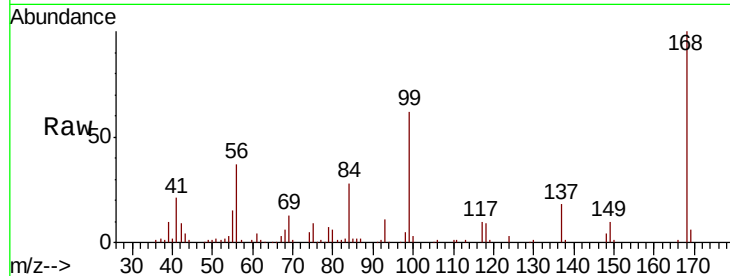
99 60.7 50.8 76.2

Manual Integrations

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10/3/2018 6:14:44 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

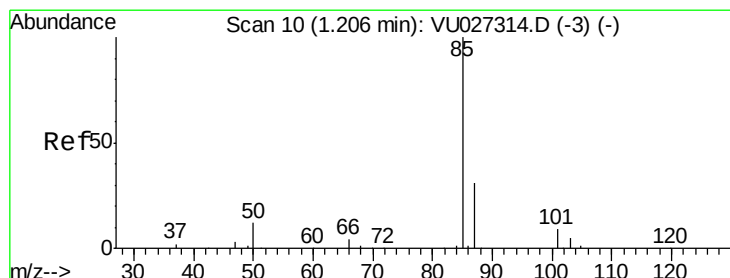
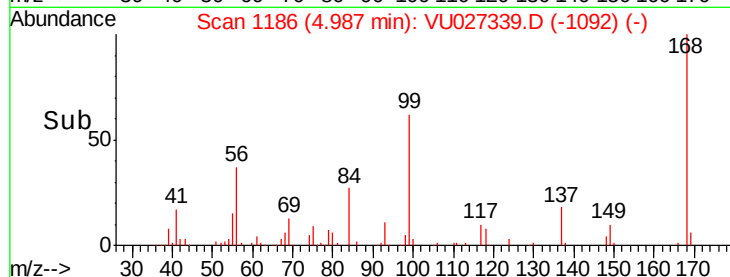
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.219 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027339.D

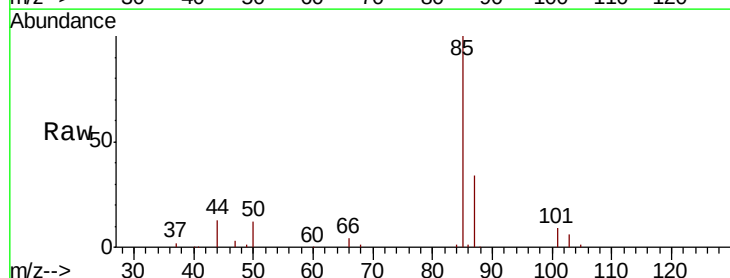
Acq: 02 Oct 2018 11:04

Tgt Ion: 85 Resp: 32834

Ion Ratio Lower Upper

85 100

87 34.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

30000

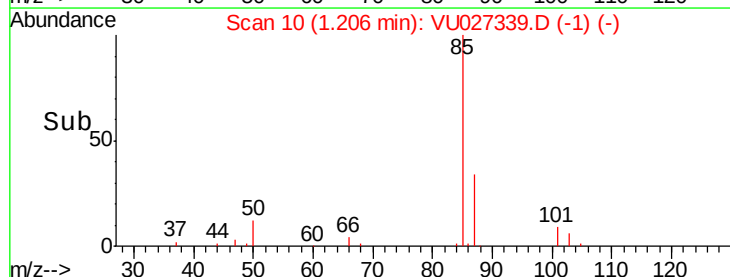
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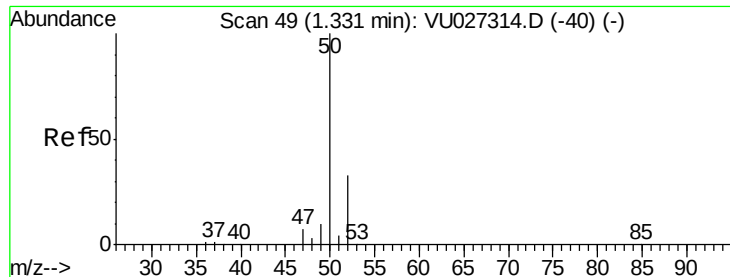
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.842 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 50 Resp: 43663

Ion Ratio Lower Upper

50 100

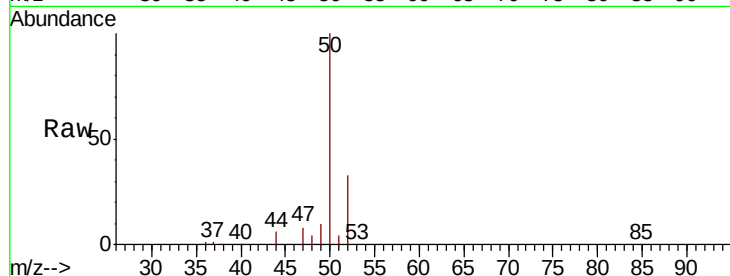
52 33.1 26.5 39.7

Manual Integrations

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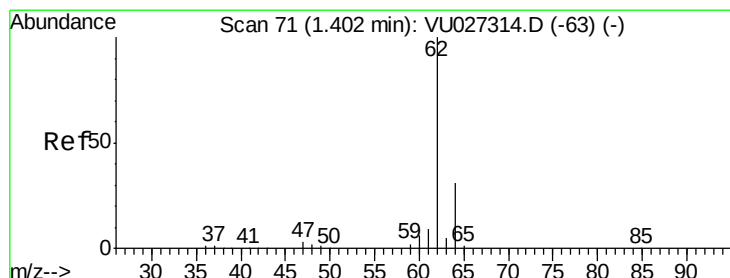
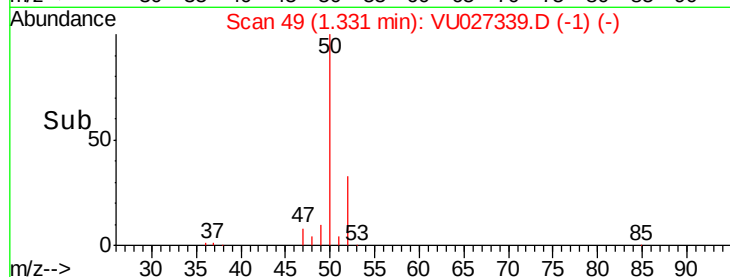
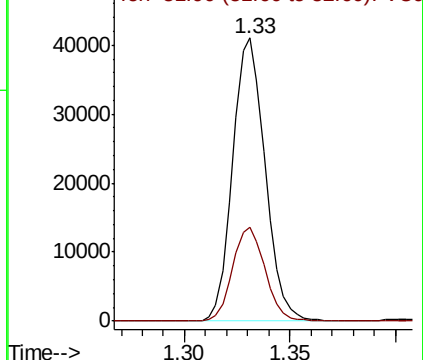
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 20.481 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027339.D

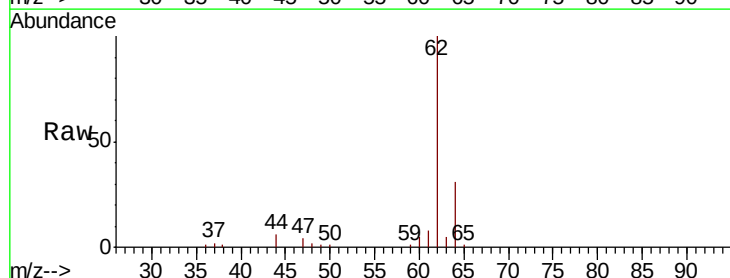
Acq: 02 Oct 2018 11:04

Tgt Ion: 62 Resp: 40334

Ion Ratio Lower Upper

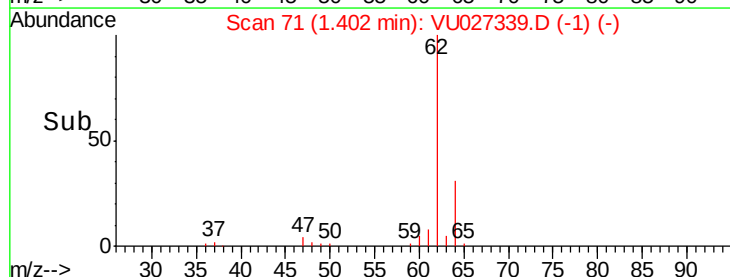
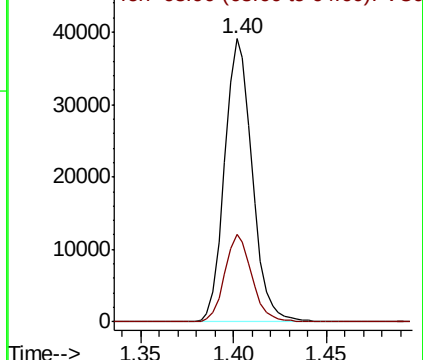
62 100

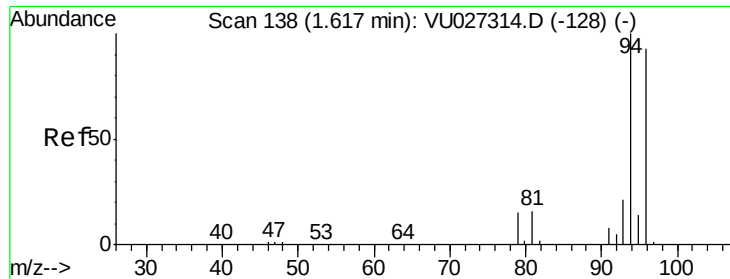
64 30.8 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 19.866 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 94 Resp: 16928

Ion Ratio Lower Upper

94 100

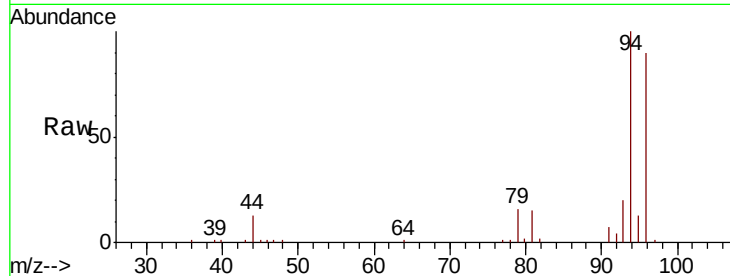
96 89.8 74.6 111.8

Manual Integrations

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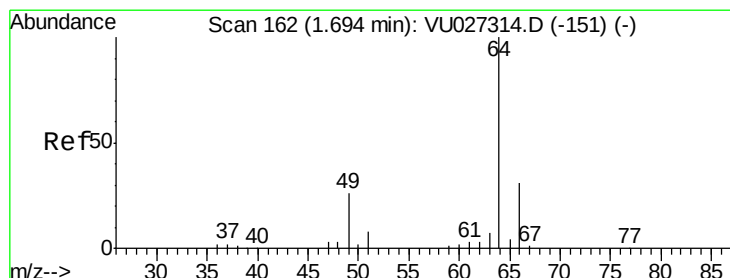
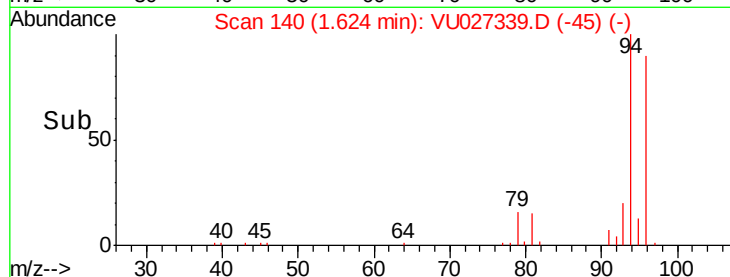
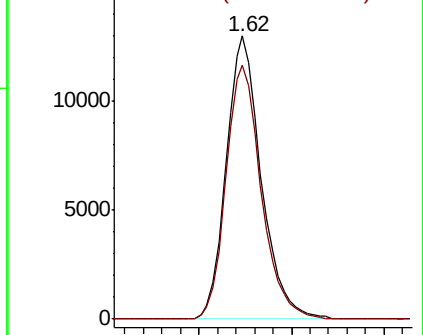
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Abundance Ion 93.90 (93.60 to 94.60): VU027339.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027339.D (-128) (-)



#6

Chloroethane

Concen: 18.990 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027339.D

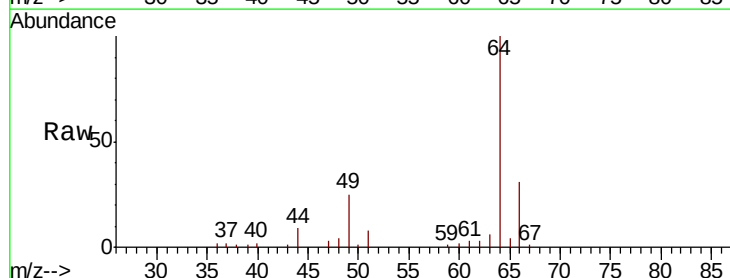
Acq: 02 Oct 2018 11:04

Tgt Ion: 64 Resp: 22472

Ion Ratio Lower Upper

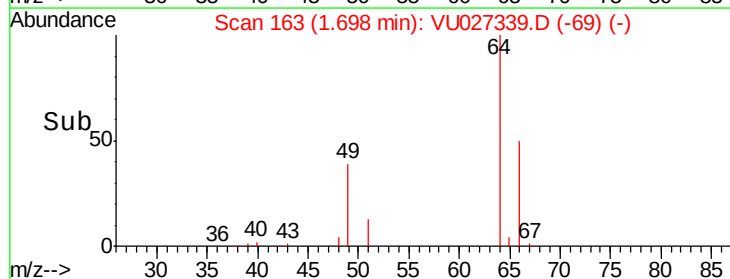
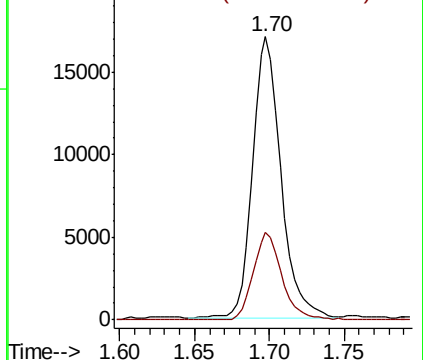
64 100

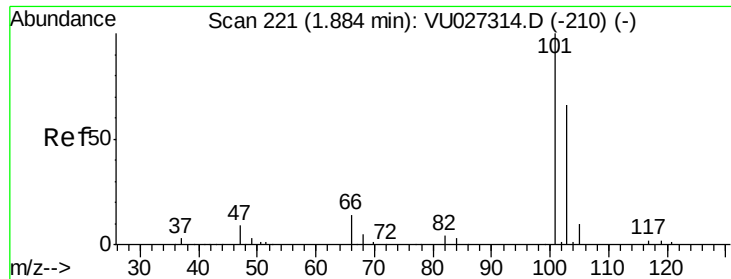
66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU027339.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027339.D (-151) (-)





#7

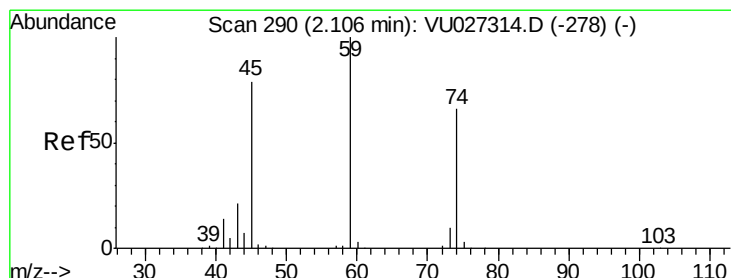
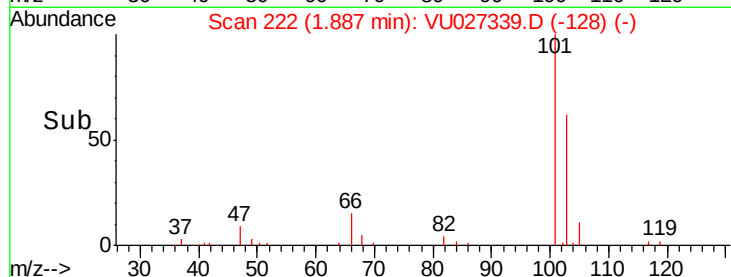
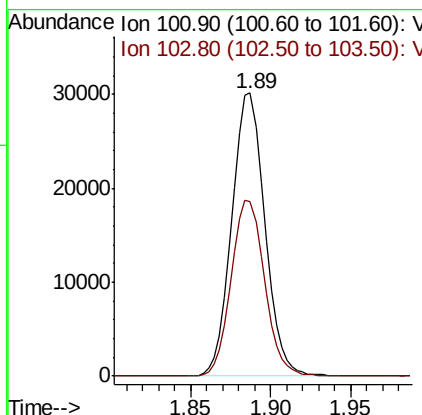
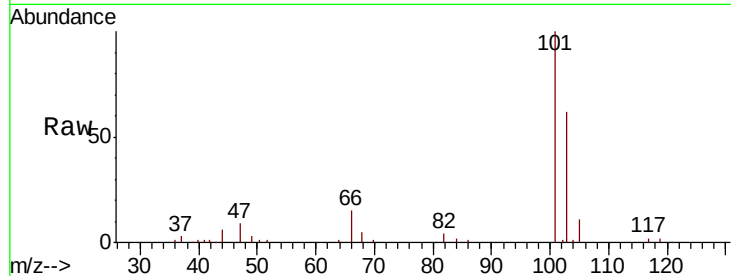
Trichlorofluoromethane
 Concen: 21.199 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
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 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.5	52.6	78.8

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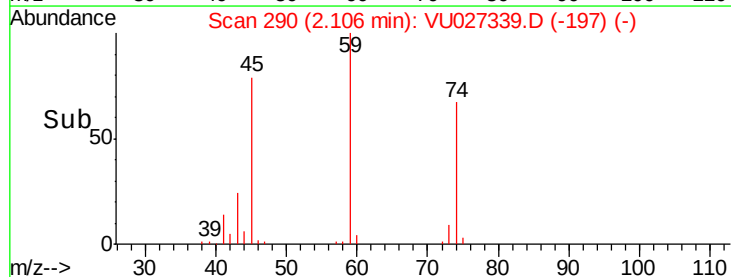
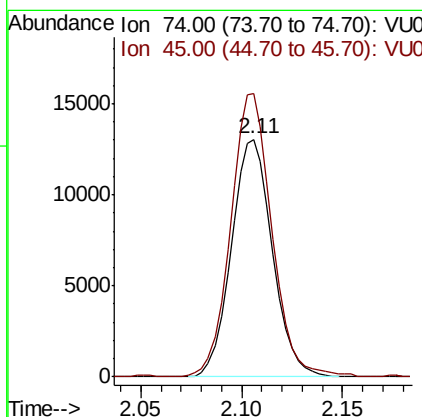
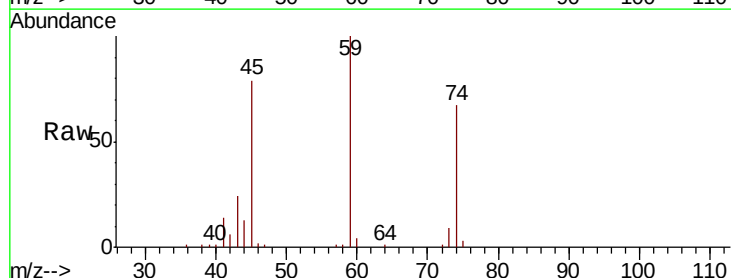
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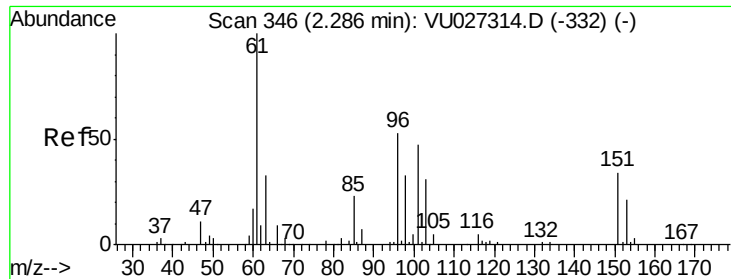


#8

Diethyl Ether
 Concen: 20.101 ug/l
 RT: 2.11 min Scan# 290
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.0	60.4	181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.800 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

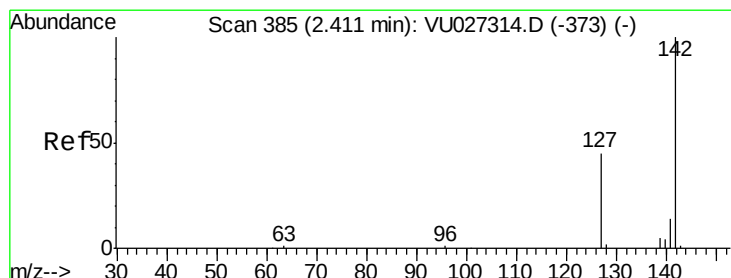
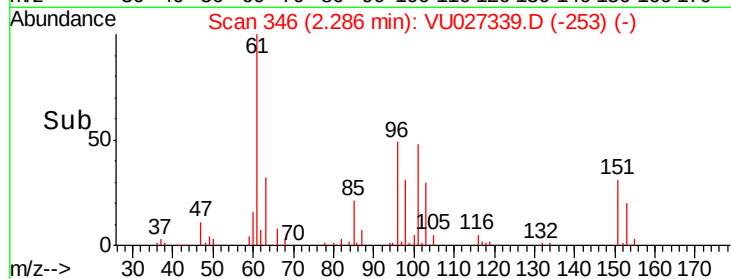
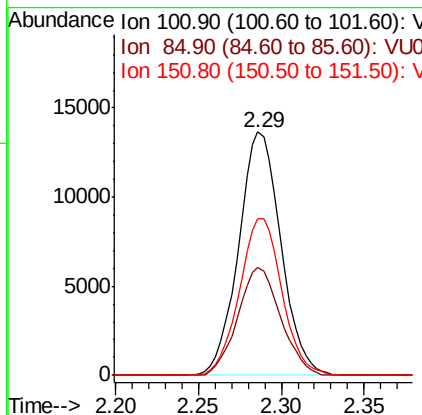
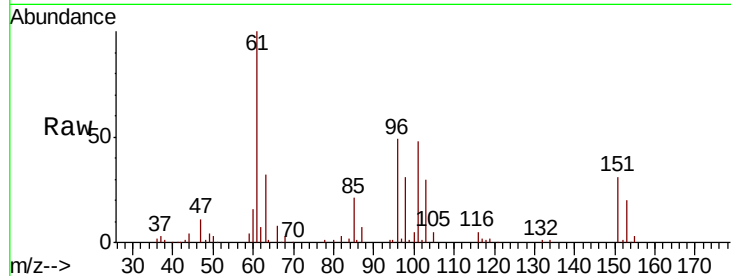
ClientSampleId :

VU1002WBSD01

Tot Ion:	101	Resp:	24136
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.5	56.3
151	64.8	55.6	83.4

Manual Integrations
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MMDadoda
10/3/2018 6:14:44 PM



#10

Methyl Iodide

Concen: 21.514 ug/l

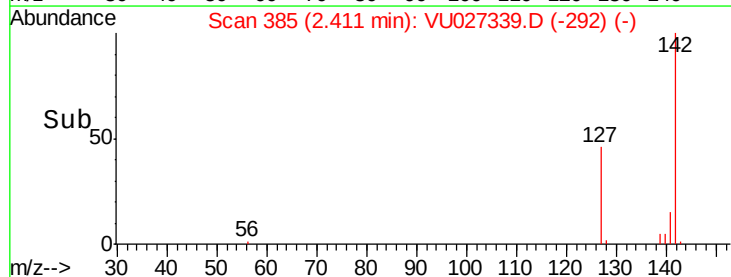
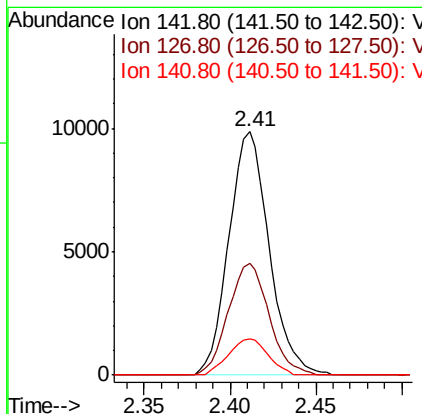
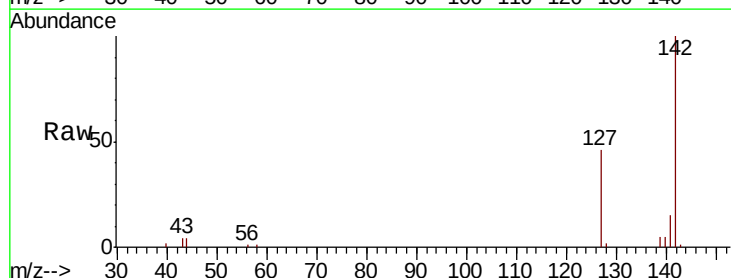
RT: 2.41 min Scan# 385

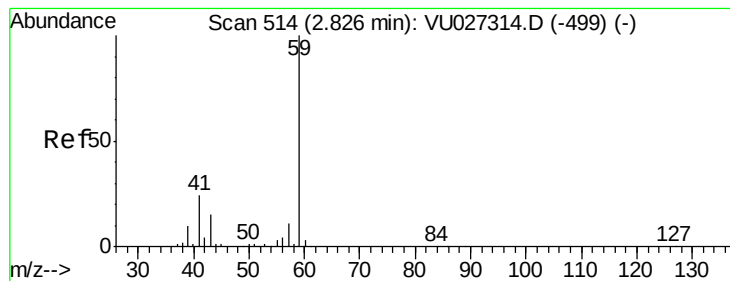
Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	142	Resp:	16065
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.3	54.5
141	14.4	11.6	17.4





#11

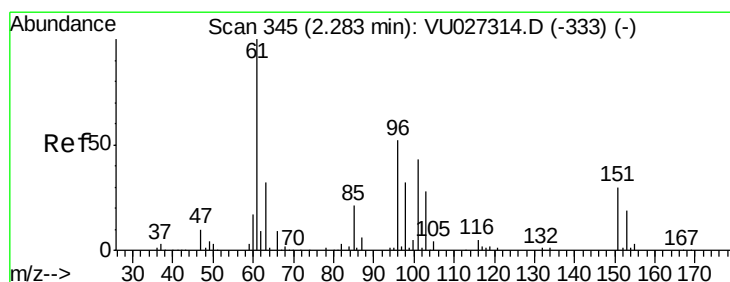
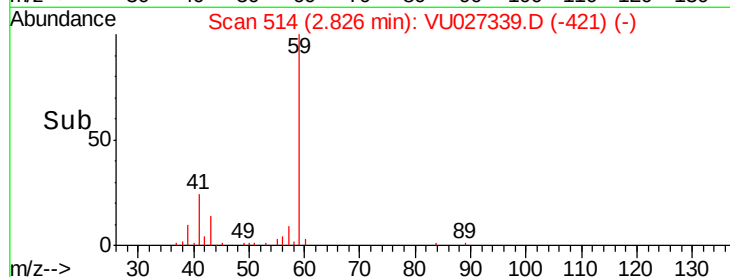
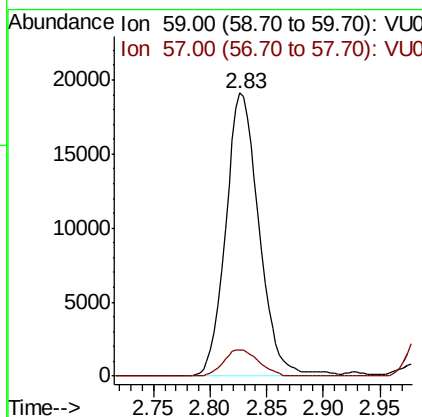
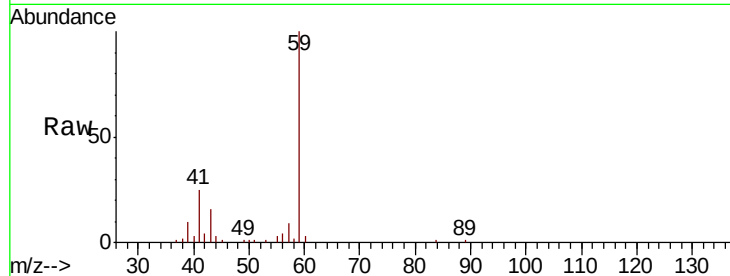
Tert butyl alcohol
Concen: 103.998 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.4	12.6

Manual Integrations
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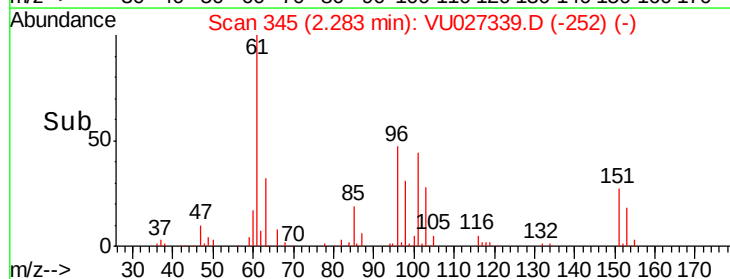
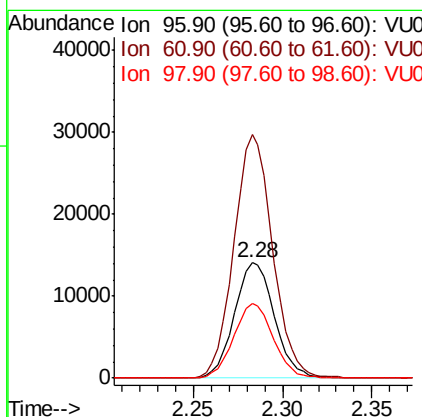
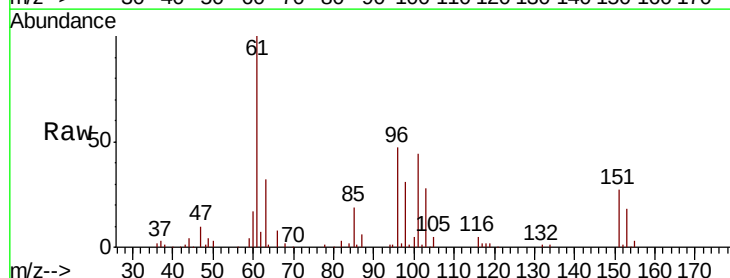
MMDadoda
10/3/2018 6:14:44 PM

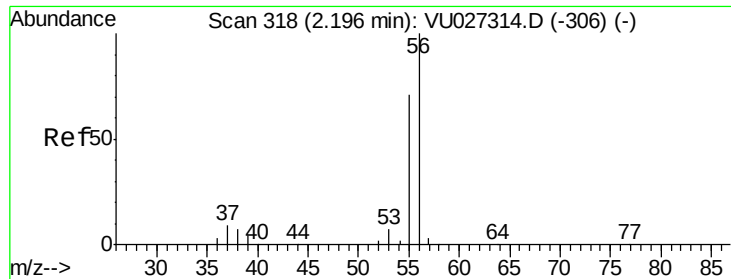


#12

1,1-Dichloroethene
Concen: 19.426 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	210.8	153.0	229.6
98	64.3	49.3	73.9





#13

Acrolein

Concen: 87.733 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 56 Resp: 27784

Ion Ratio Lower Upper

56 100

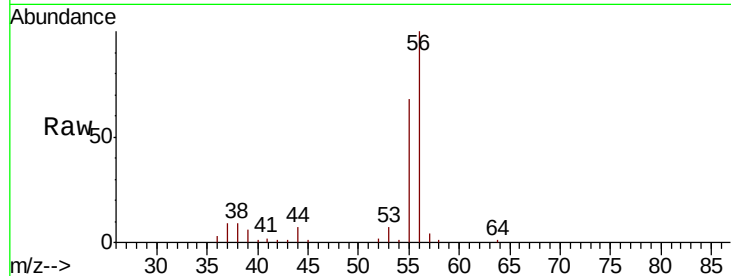
55 71.5 57.7 86.5

Manual Integrations

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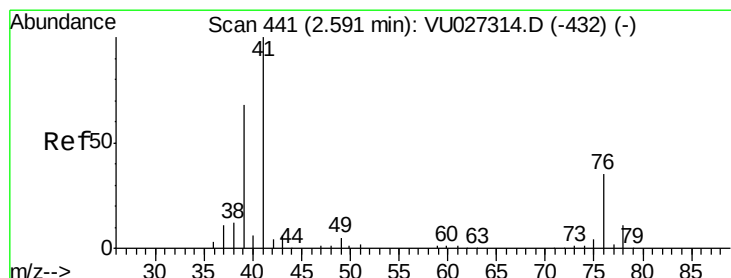
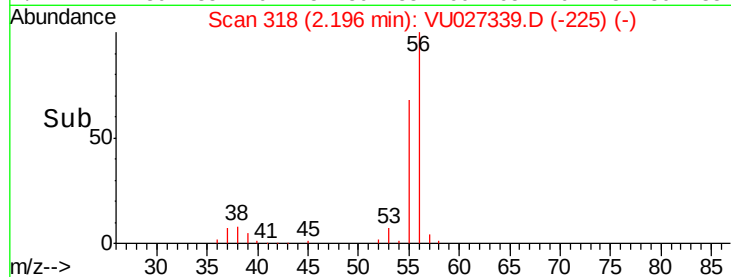
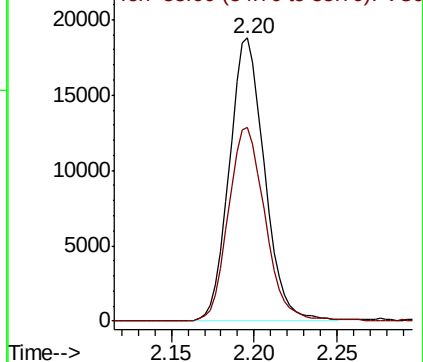
MMDadoda

10/3/2018 6:14:44 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 19.796 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

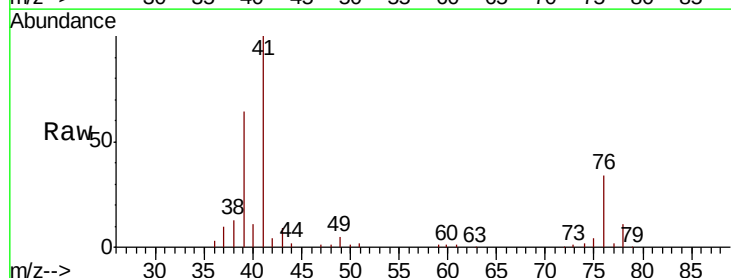
Tgt Ion: 41 Resp: 53295

Ion Ratio Lower Upper

41 100

39 63.1 51.8 77.8

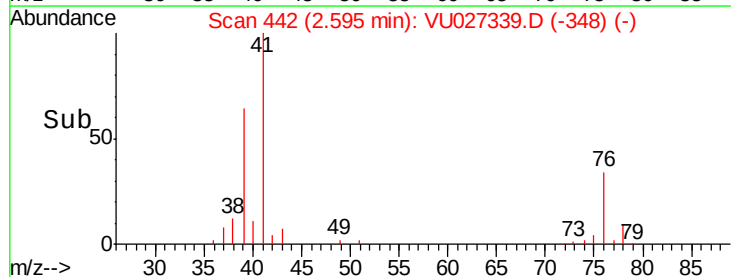
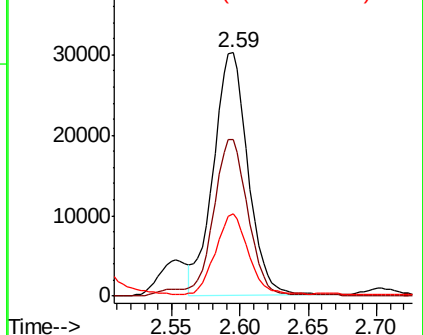
76 30.6 25.9 38.9

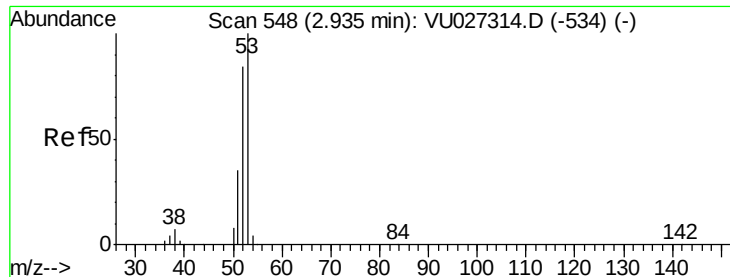


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 103.578 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

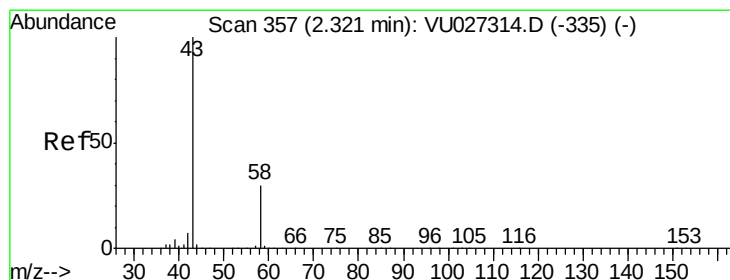
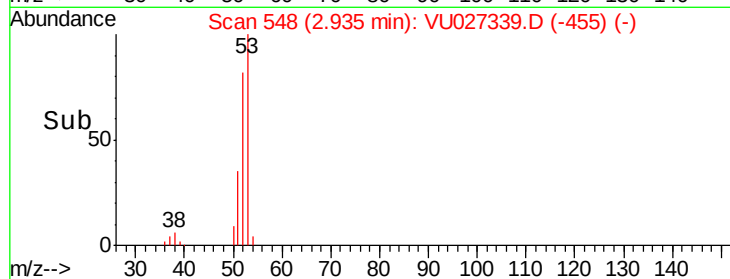
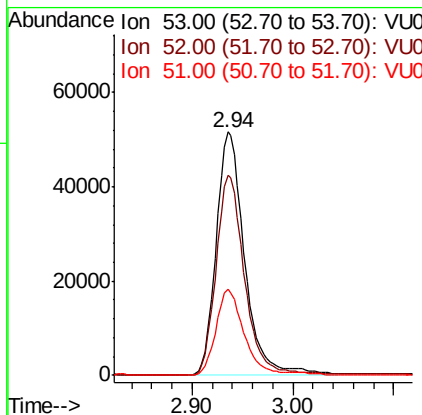
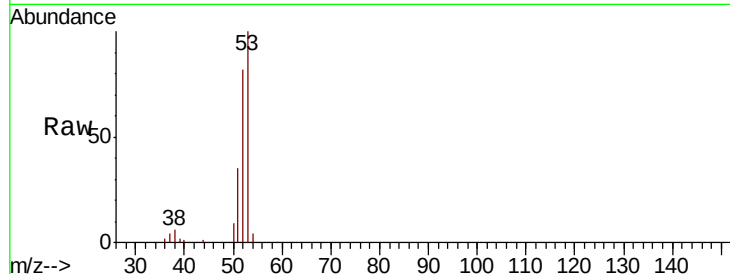
ClientSampleId :

VU1002WBSD01

Tot Ion:	53	Resp:	101745
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.5	99.7
51	36.0	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 94.838 ug/l

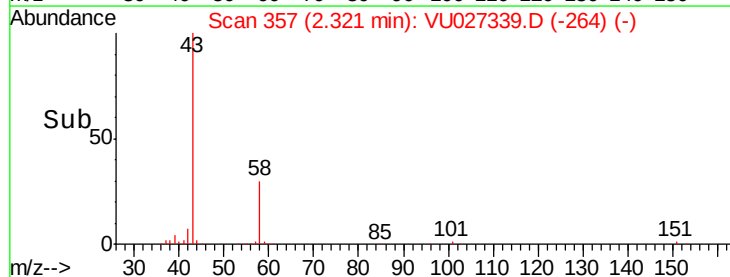
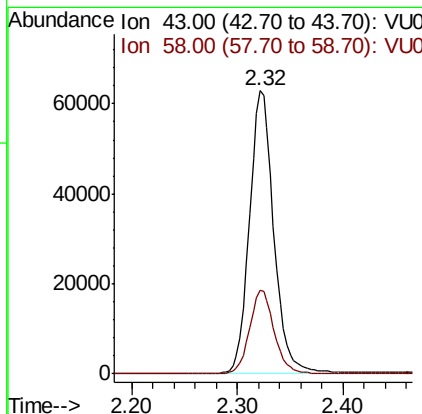
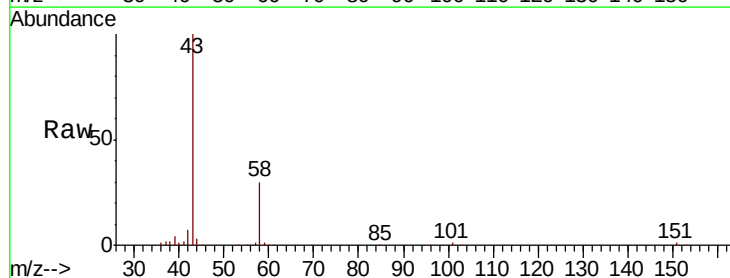
RT: 2.32 min Scan# 357

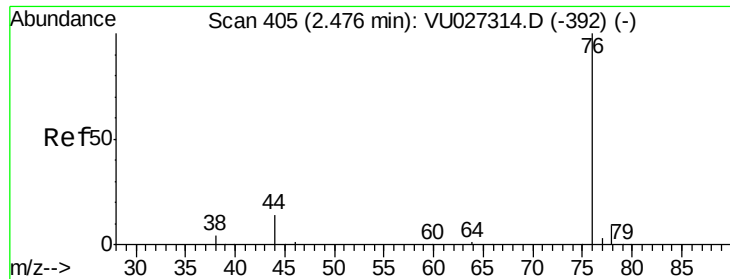
Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	43	Resp:	100412
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.4





#17

Carbon Disulfide

Concen: 18.718 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 76 Resp: 76535

Ion Ratio Lower Upper

76 100

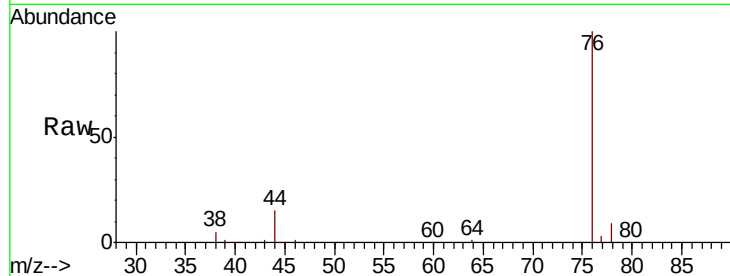
78 8.8 7.3 10.9

Manual Integrations

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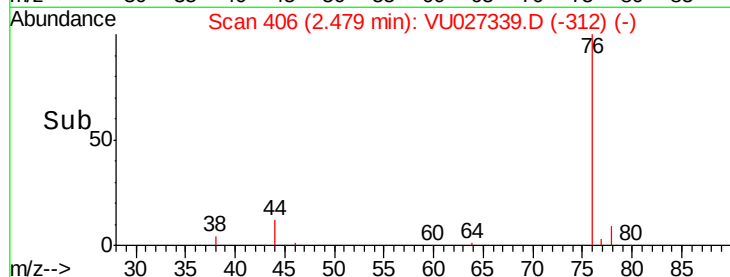


Abundance Ion 75.90 (75.60 to 76.60): VU027339.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027339.D (-312) (-)

2.48

Time-->



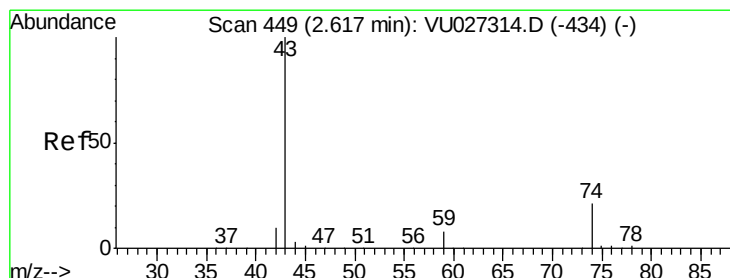
Abundance

Ion 75.90 (75.60 to 76.60): VU027339.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027339.D (-312) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 20.828 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027339.D

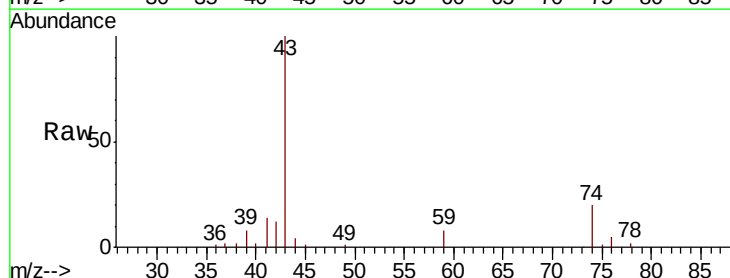
Acq: 02 Oct 2018 11:04

Tgt Ion: 43 Resp: 50306

Ion Ratio Lower Upper

43 100

74 20.7 16.5 24.7

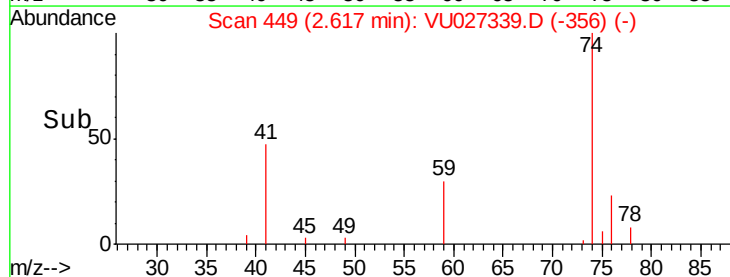


Abundance Ion 43.00 (42.70 to 43.70): VU027339.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027339.D (-356) (-)

2.62

Time-->



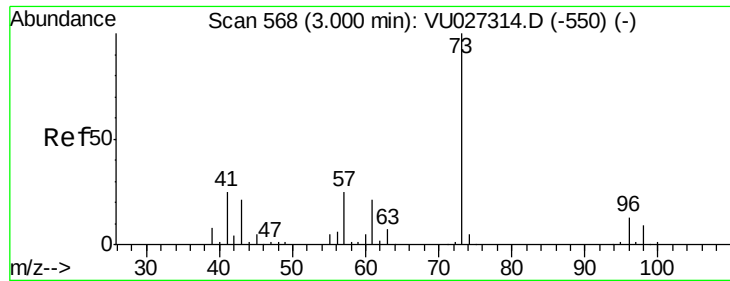
Abundance

Ion 43.00 (42.70 to 43.70): VU027339.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027339.D (-356) (-)

2.62

Time-->



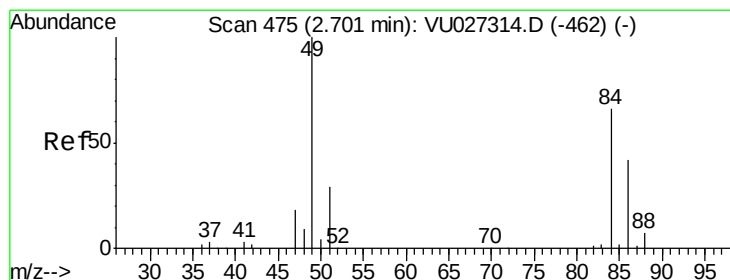
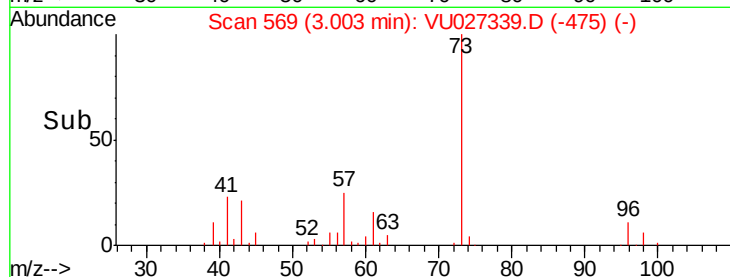
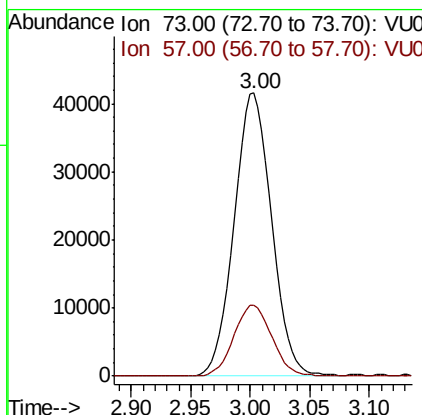
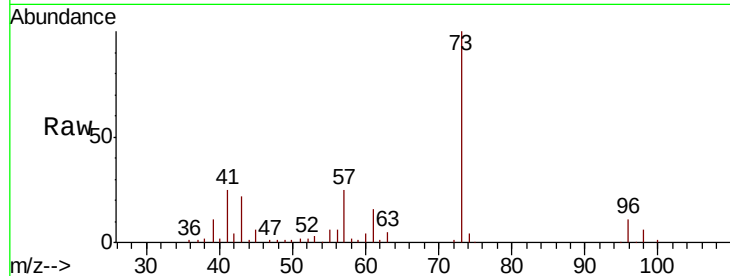
#19
Methyl tert-butyl Ether
Concen: 19.993 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion: 73 Resp: 90822
Ion Ratio Lower Upper
73 100
57 25.3 20.0 30.0

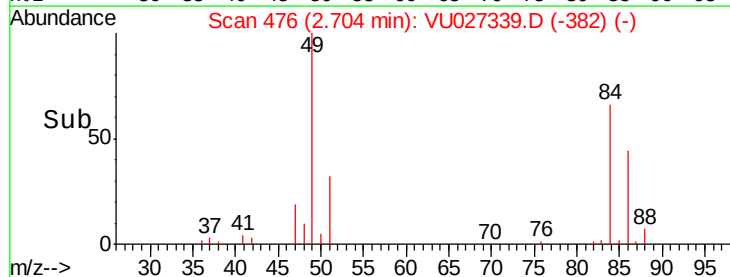
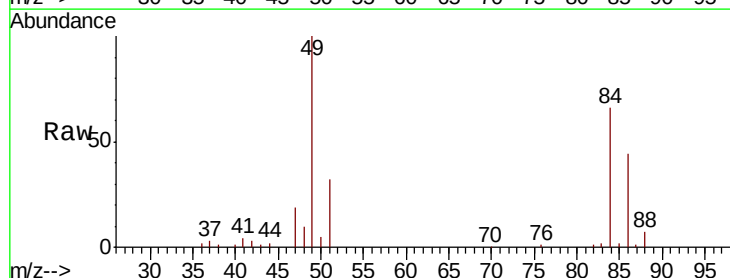
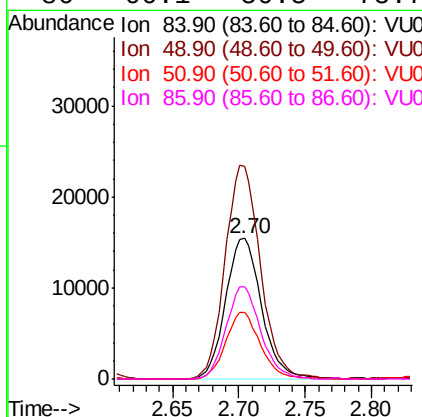
Manual Integrations
APPROVED

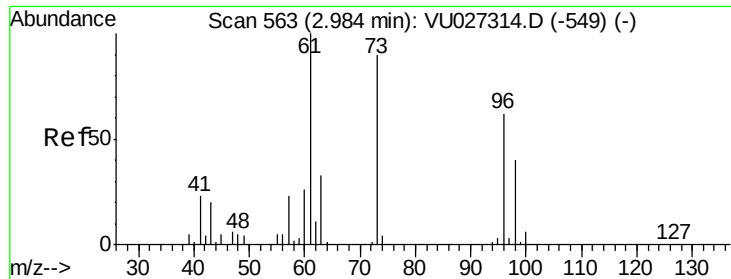
MMDadoda
10/3/2018 6:14:44 PM



#20
Methylene Chloride
Concen: 19.731 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion: 84 Resp: 29100
Ion Ratio Lower Upper
84 100
49 151.3 120.5 180.7
51 47.9 35.1 52.7
86 66.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.909 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 96 Resp: 25341

Ion Ratio Lower Upper

96 100

61 165.9 129.4 194.2

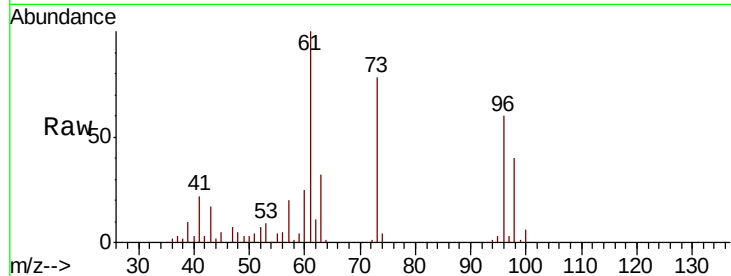
98 65.6 51.2 76.8

Manual Integrations

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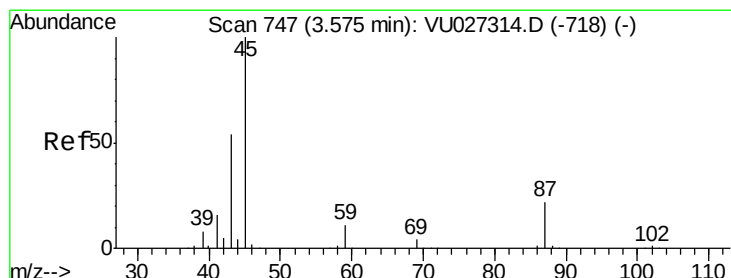
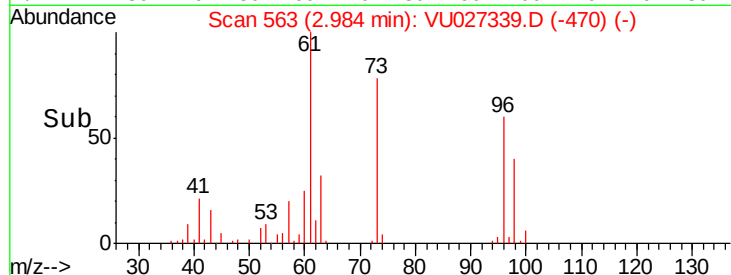
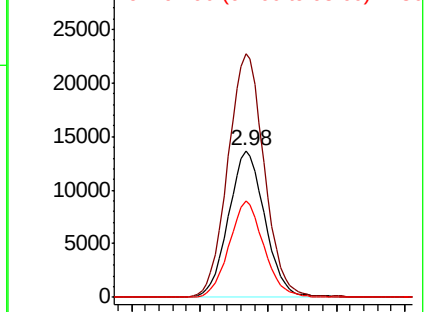


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 20.647 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion: 45 Resp: 112980

Ion Ratio Lower Upper

45 100

43 57.2 43.4 65.2

87 22.2 17.5 26.3

59 11.4 8.6 13.0

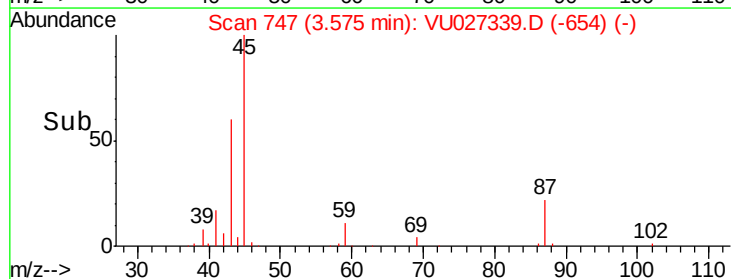
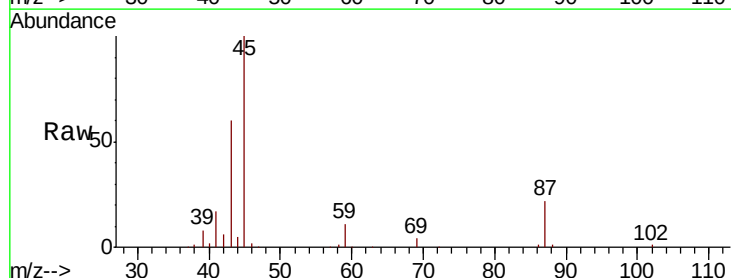
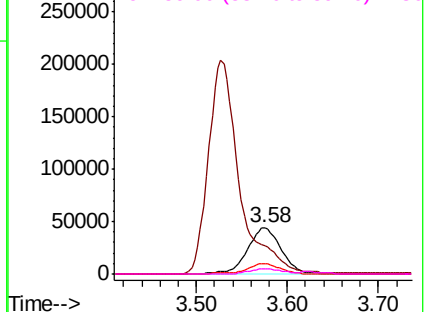
Abundance

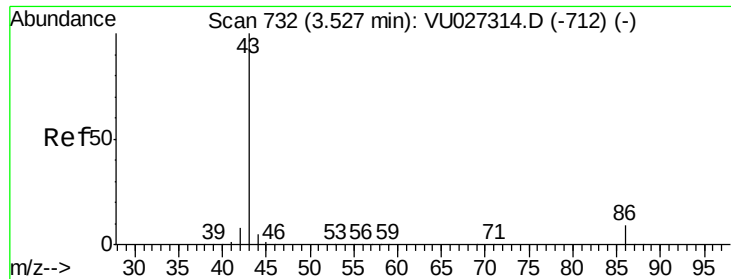
Ion 45.00 (44.70 to 45.70): VU0

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: 102.269 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 43 Resp: 488715

Ion Ratio Lower Upper

43 100

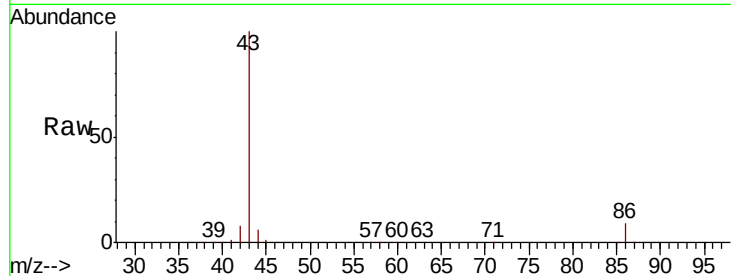
86 8.7 7.0 10.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU027339.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027339.D (-639) (-)

3.53

200000

150000

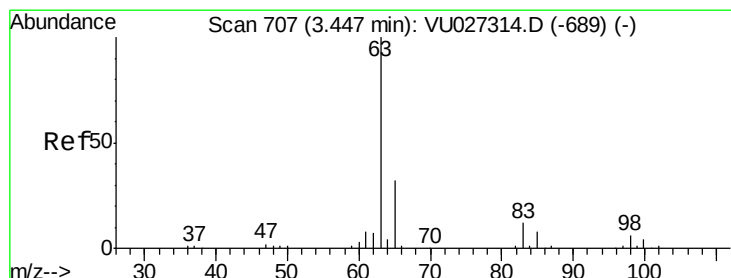
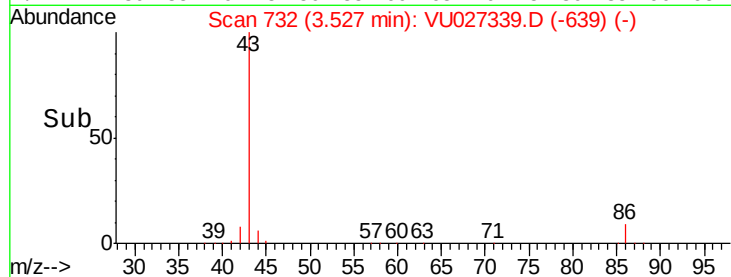
100000

50000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 20.663 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

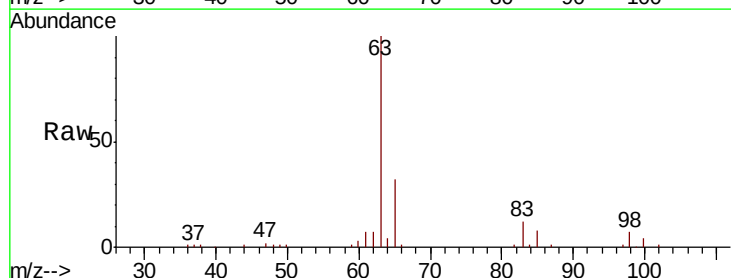
Tgt Ion: 63 Resp: 58126

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 3.7 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027339.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027339.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027339.D (-614) (-)

3.45

30000

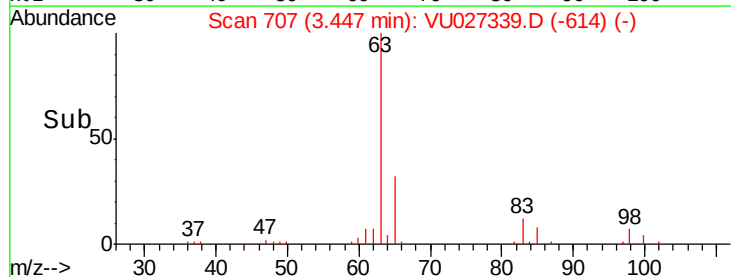
20000

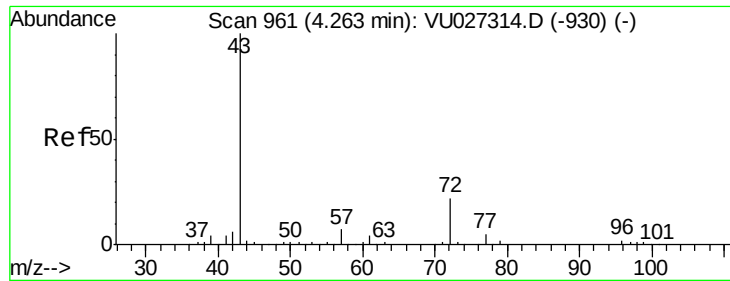
10000

0

3.35 3.40 3.45 3.50 3.55

Time-->





#25

2-Butanone

Concen: 103.662 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 43 Resp: 149668

Ion Ratio Lower Upper

43 100

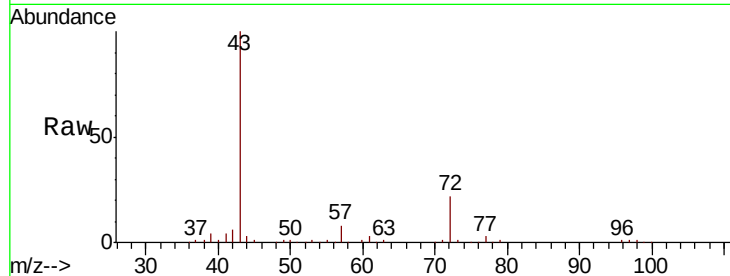
72 22.1 17.8 26.6

Manual Integrations

APPROVED

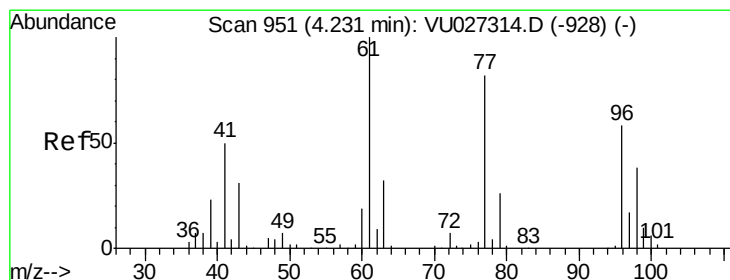
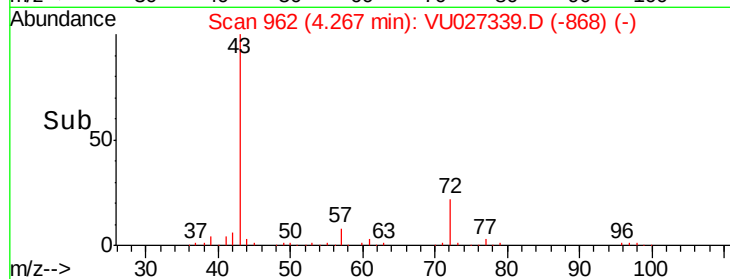
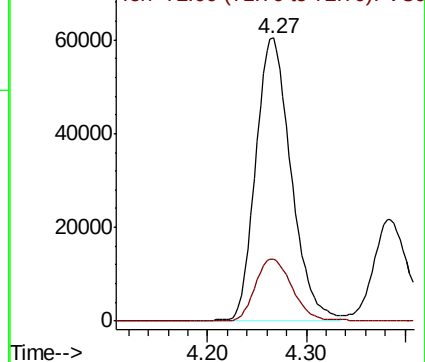
MMDadoda

10/3/2018 6:14:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.499 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027339.D

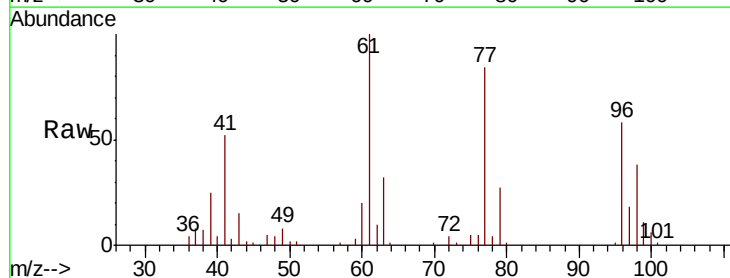
Acq: 02 Oct 2018 11:04

Tgt Ion: 77 Resp: 45071

Ion Ratio Lower Upper

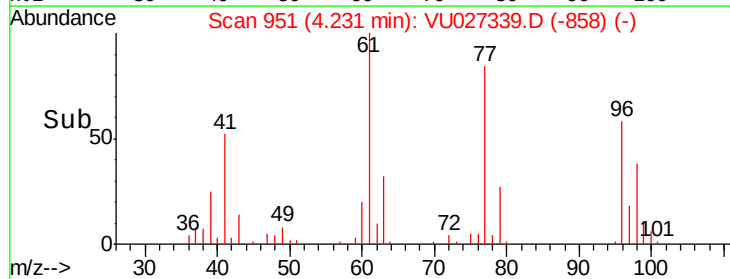
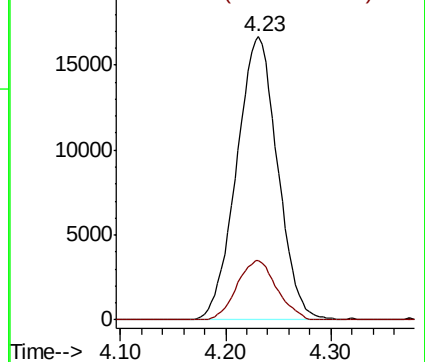
77 100

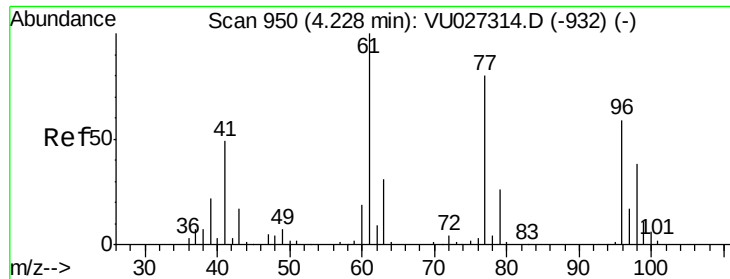
97 20.4 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





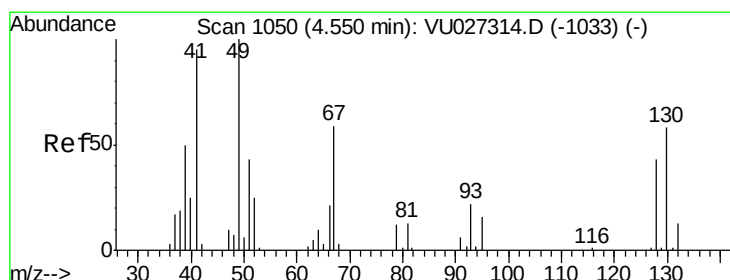
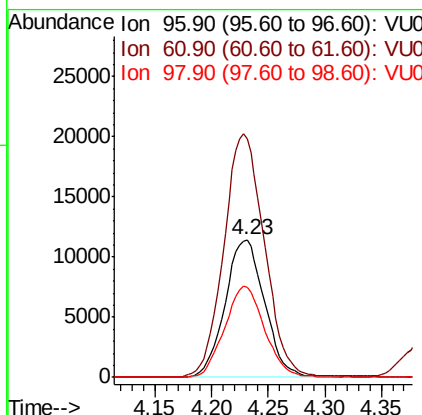
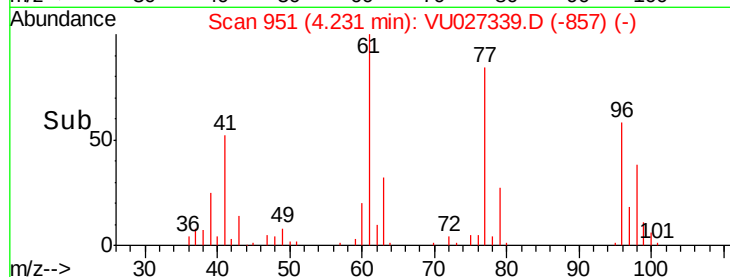
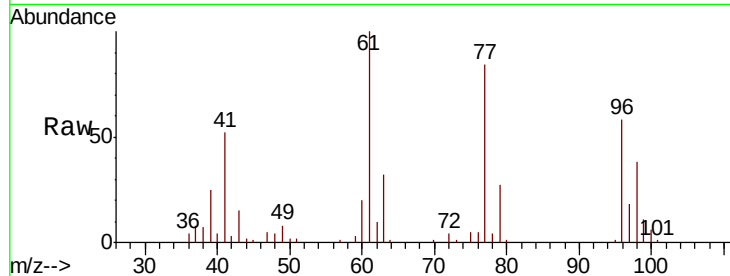
#27
 cis-1,2-Dichloroethene
 Concen: 19.095 ug/l
 RT: 4.23 min Scan# 951
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	27795		
61	181.8	0.0	343.8	
98	66.8	0.0	129.0	

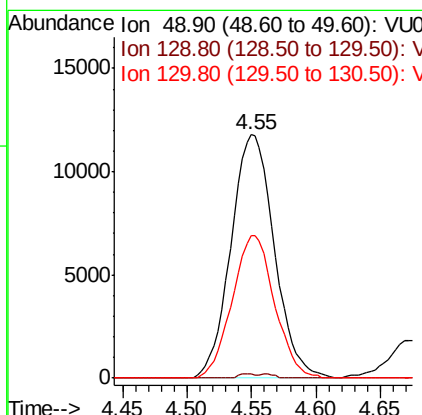
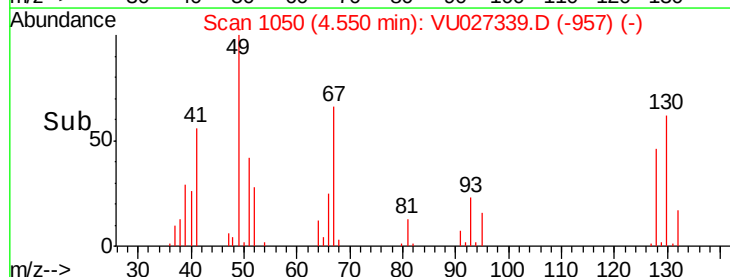
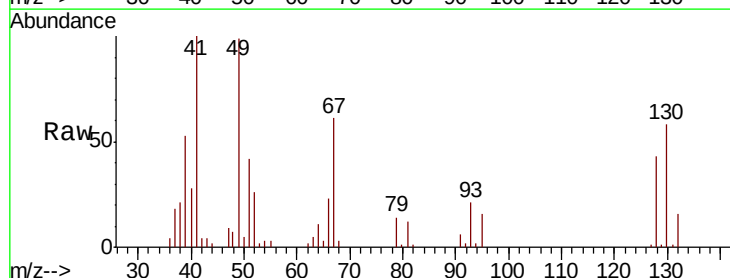
Manual Integrations
 APPROVED

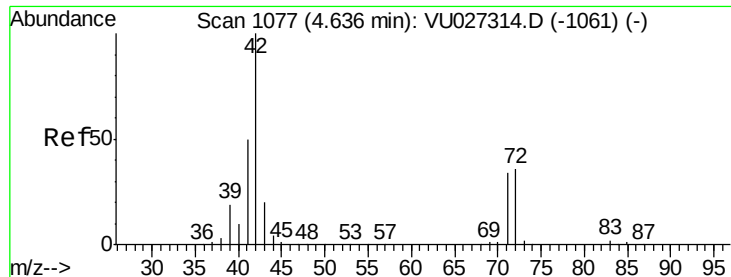
MMDadoda
 10/3/2018 6:14:44 PM



#28
 Bromochloromethane
 Concen: 20.268 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27507		
129	0.6	0.0	3.0	
130	57.1	46.1	69.1	





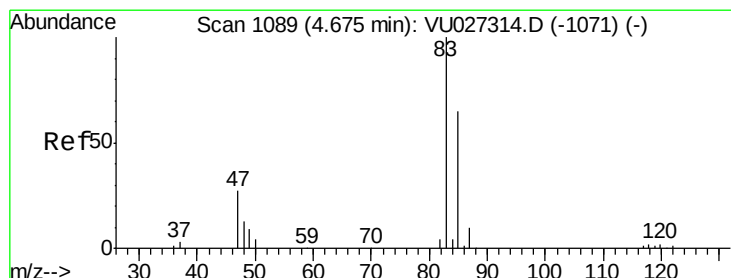
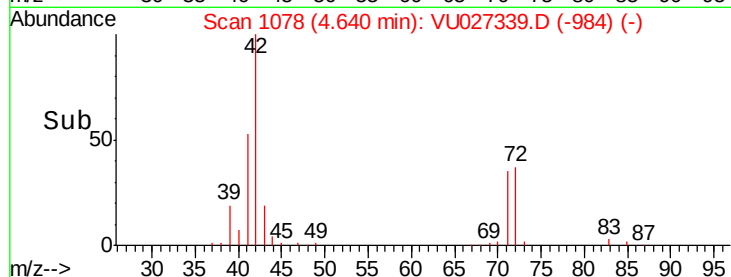
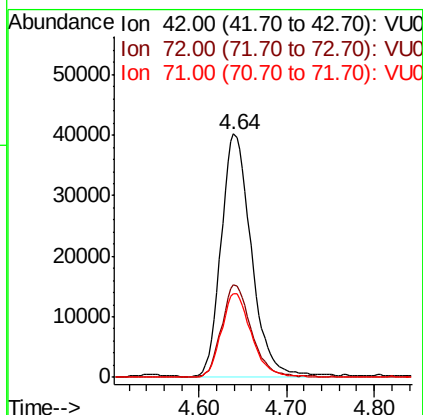
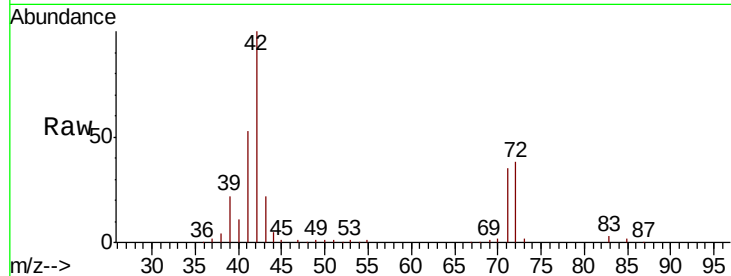
#29
Tetrahydrofuran
Concen: 106.012 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampled :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.4	30.1	45.1
71	34.4	27.7	41.5

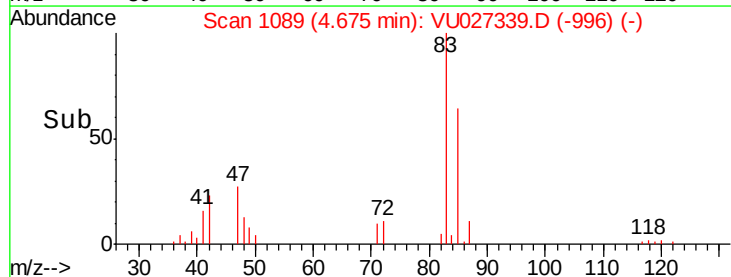
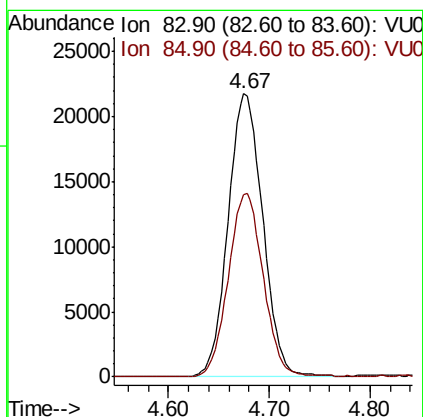
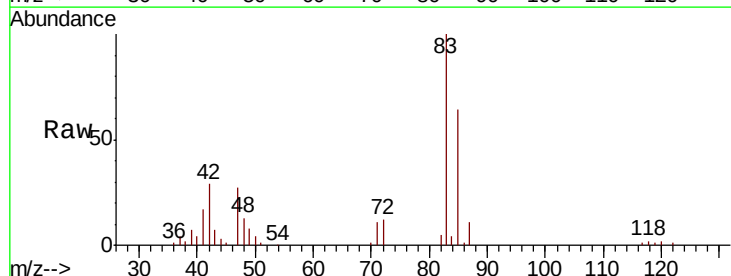
Manual Integrations
APPROVED

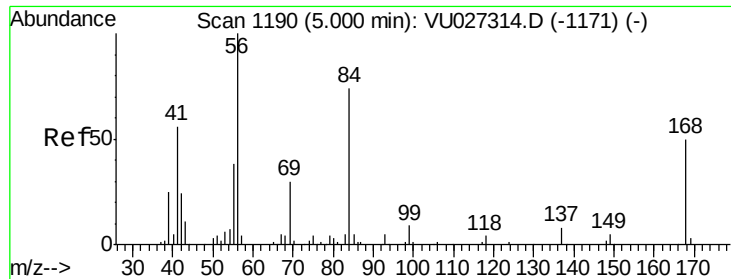
MMDadoda
10/3/2018 6:14:44 PM



#30
Chloroform
Concen: 20.788 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





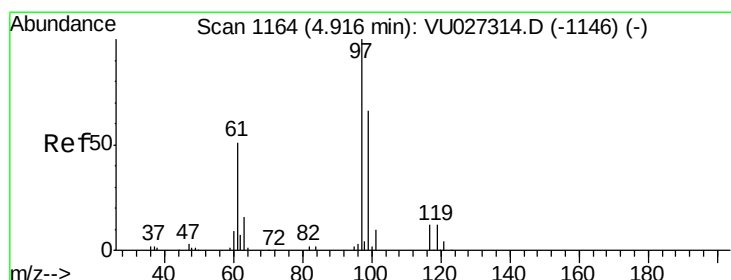
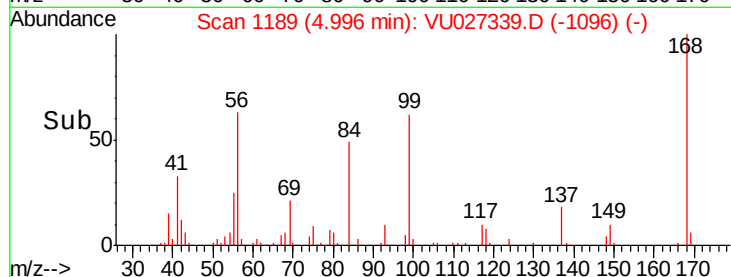
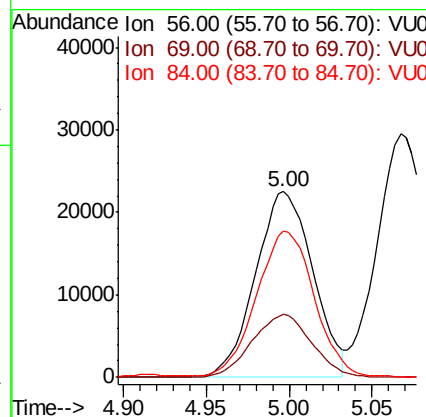
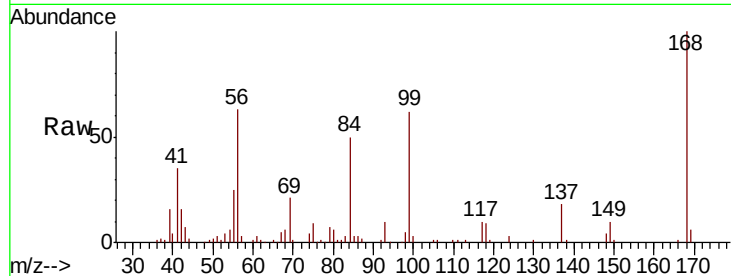
#31
Cyclohexane
Concen: 18.752 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	24.1	36.1
84	78.0	59.1	88.7

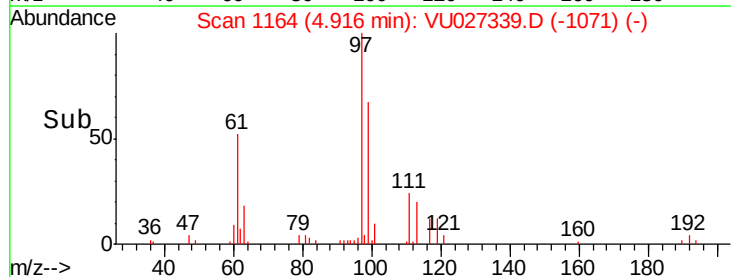
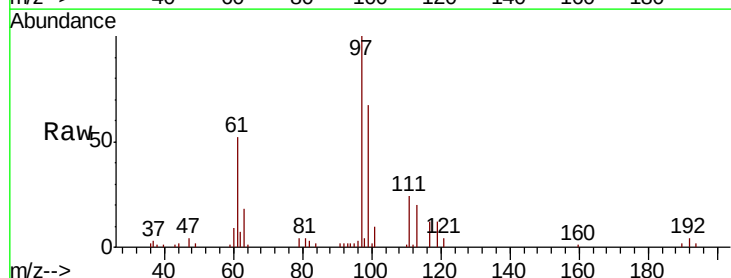
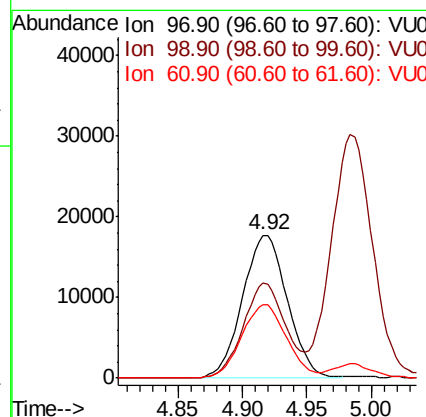
Manual Integrations
APPROVED

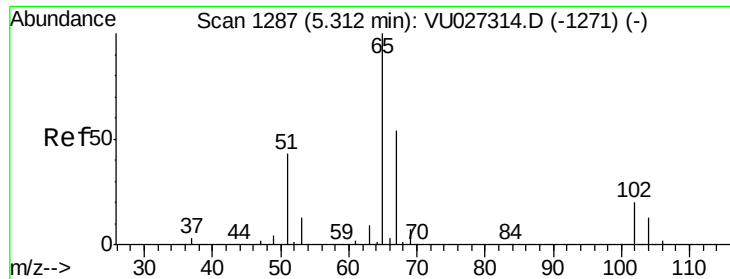
MMDadoda
10/3/2018 6:14:44 PM



#32
1,1,1-Trichloroethane
Concen: 20.398 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	51.5	39.6	59.4





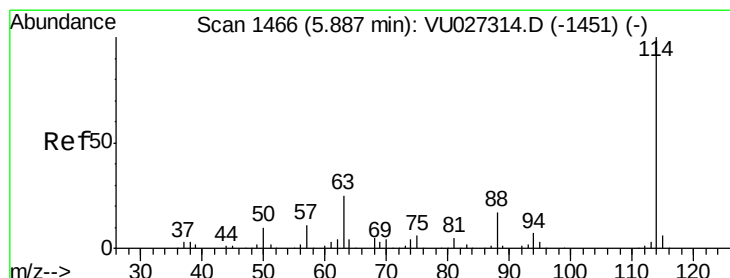
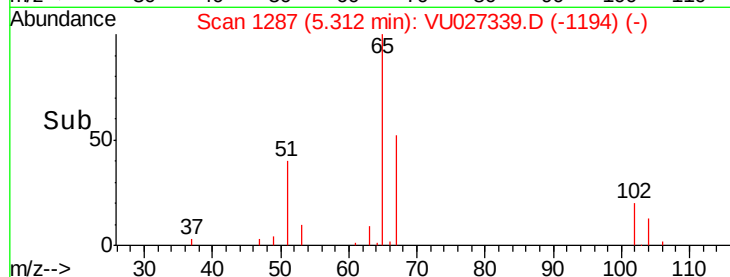
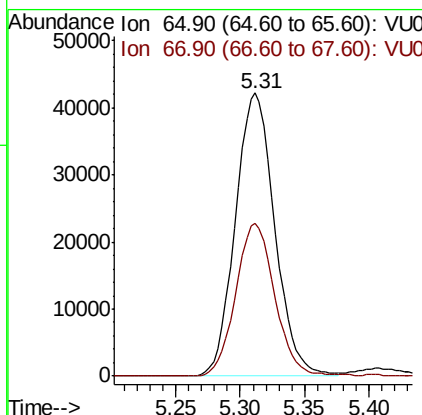
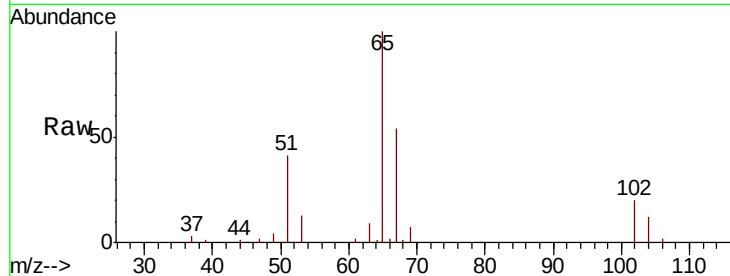
#33
 1,2-Dichloroethane-d4
 Concen: 50.060 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

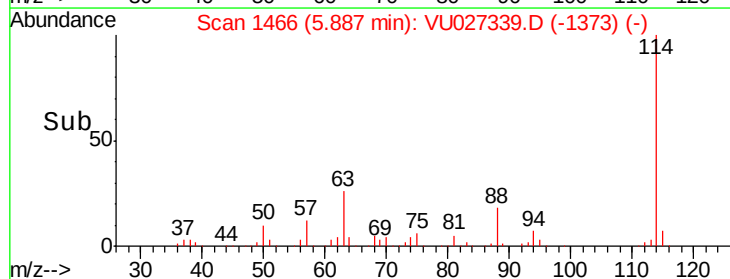
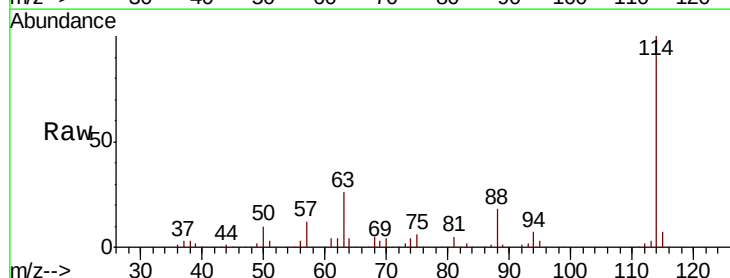
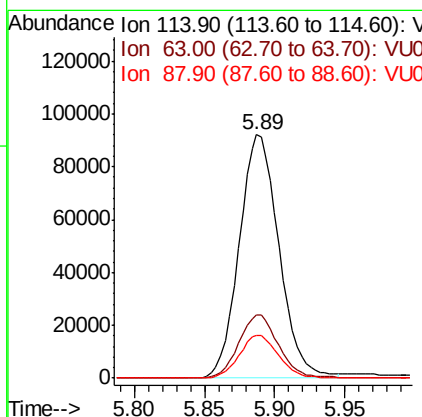
Manual Integrations
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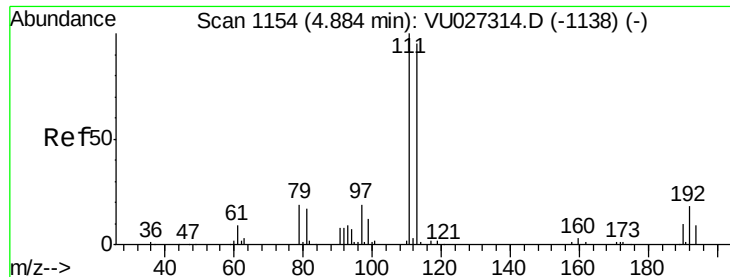
MMDadoda
 10/3/2018 6:14:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	0.0	50.2
88	17.8	0.0	33.8





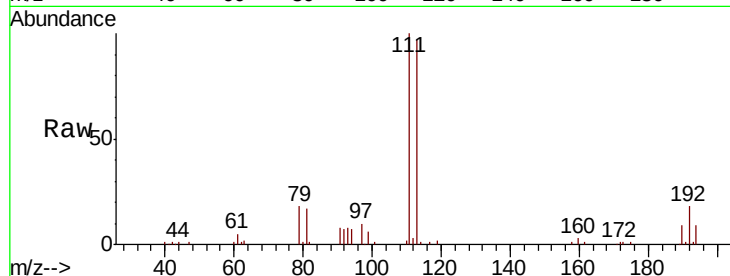
#35
 Dibromofluoromethane
 Concen: 50.493 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	62949		
111	104.4		83.1	124.7
192	18.8		15.4	23.0

Manual Integrations
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 10/3/2018 6:14:44 PM

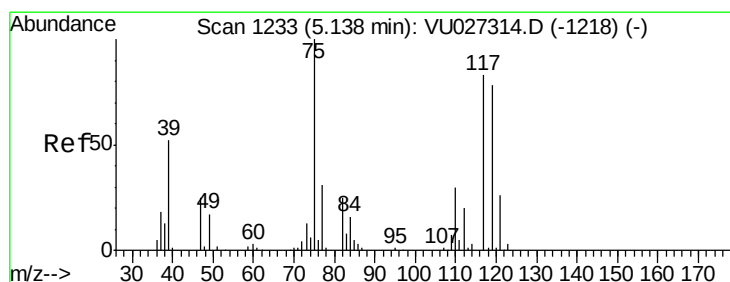
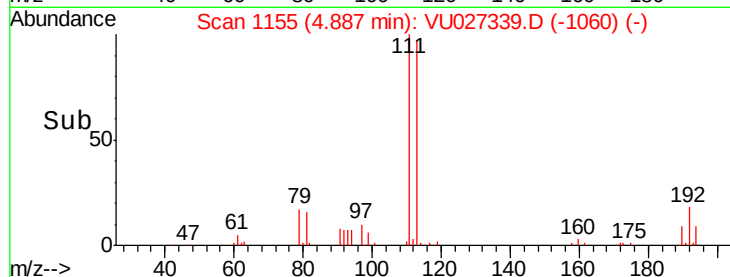
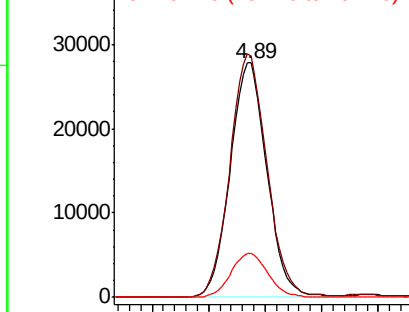


Abundance

Ion 112.80 (112.50 to 113.50): V

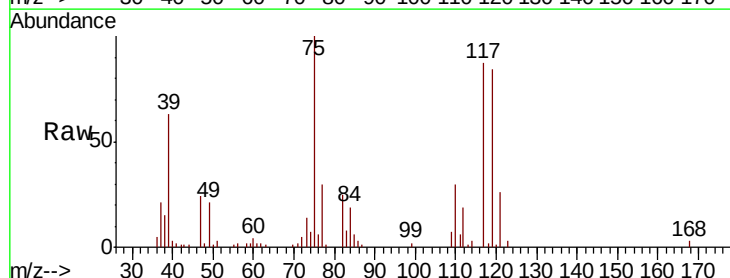
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 19.582 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	38677		
110	30.1		15.5	46.5
77	30.8		25.4	38.0

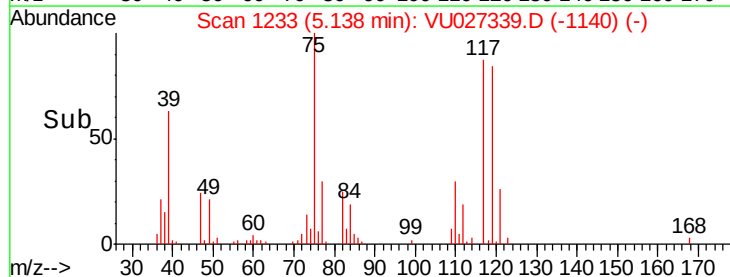
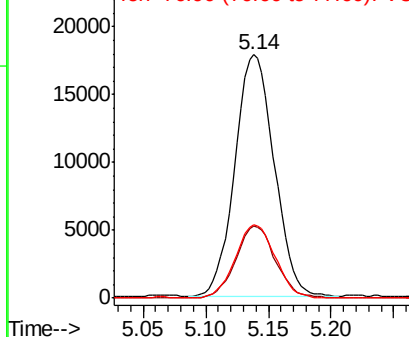


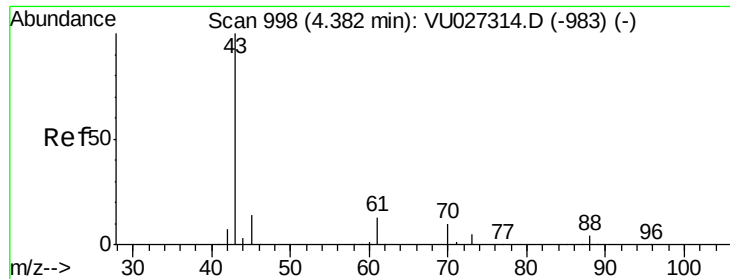
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





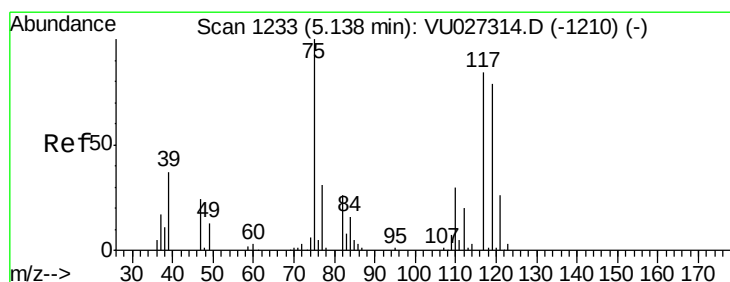
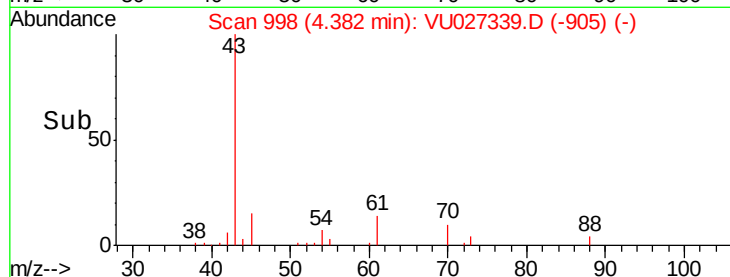
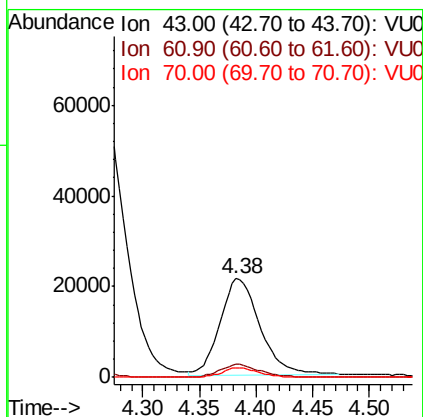
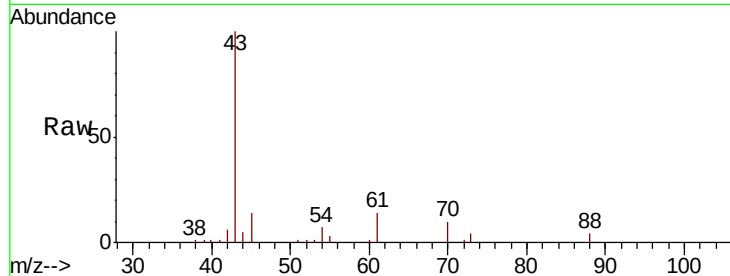
#37
Ethyl Acetate
Concen: 20.392 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	43	Resp	52054
Ion Ratio	100	Lower	Upper
43	100		
61	13.9	10.7	16.1
70	9.0	7.4	11.2

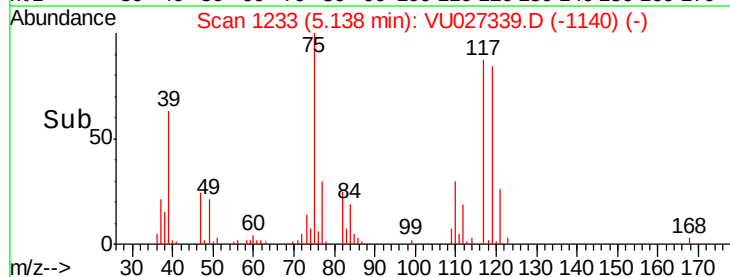
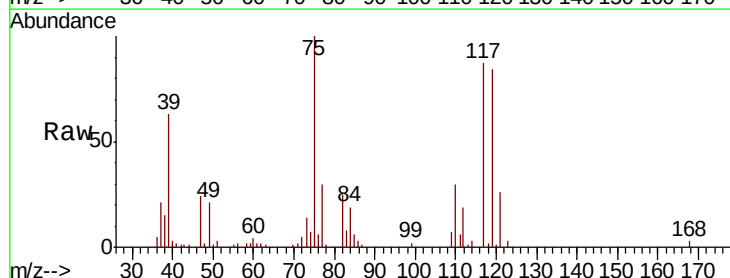
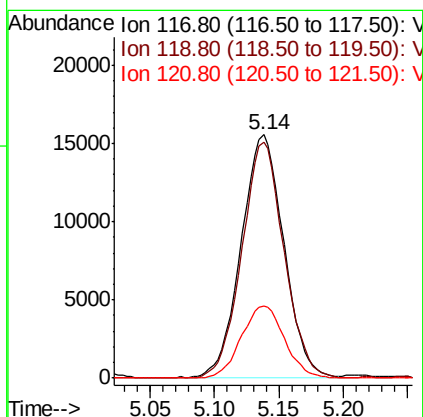
Manual Integrations
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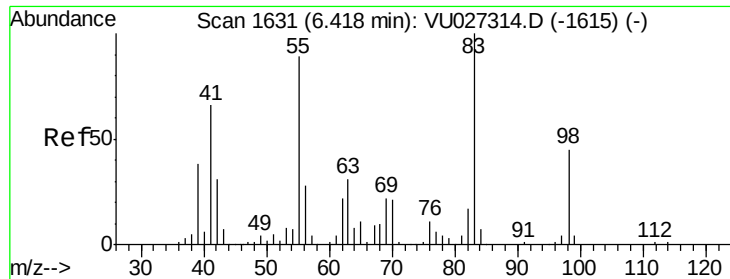
MMDadoda
10/3/2018 6:14:44 PM



#38
Carbon Tetrachloride
Concen: 20.136 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	117	Resp	35927
Ion Ratio	100	Lower	Upper
117	100		
119	97.1	74.5	111.7
121	29.7	24.6	37.0





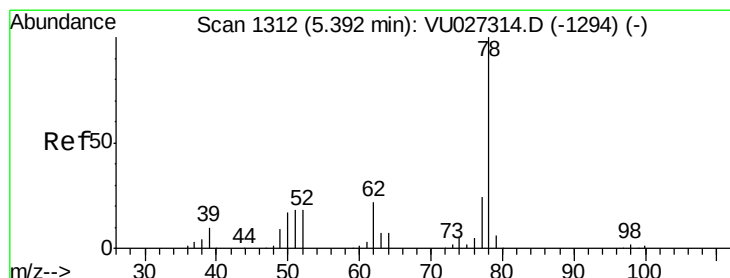
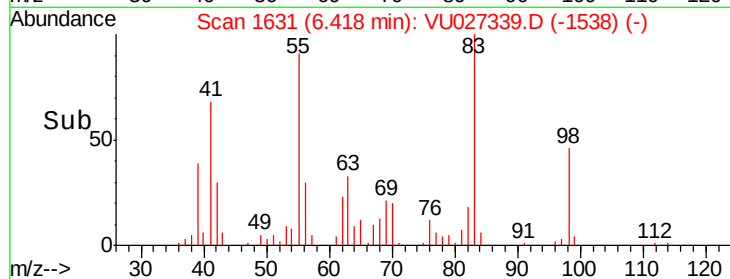
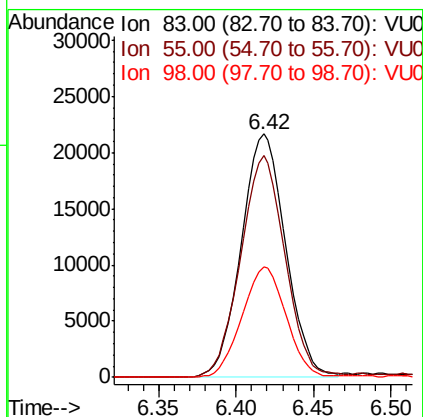
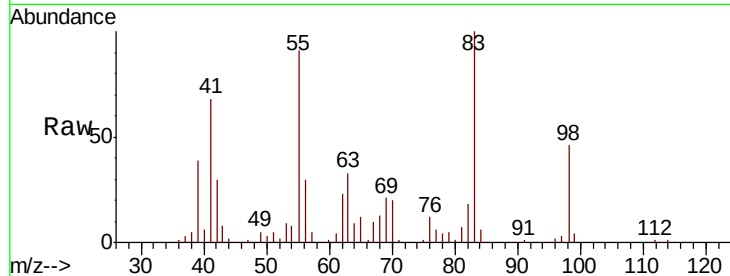
#39
Methylvlcyclohexane
Concen: 18.743 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.0	71.1	106.7
98	45.6	36.3	54.5

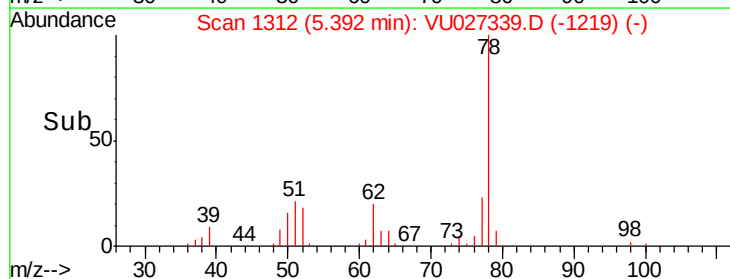
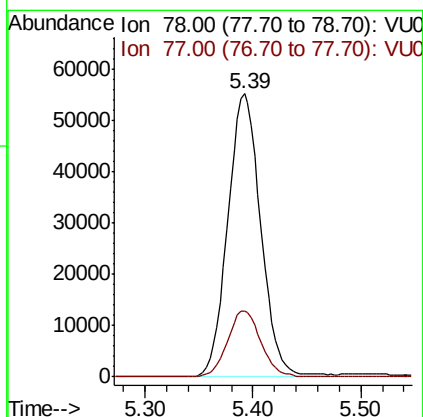
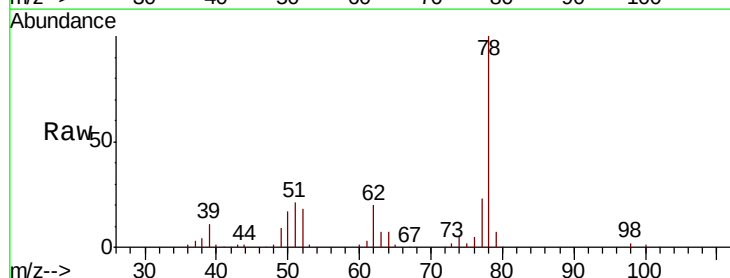
Manual Integrations
APPROVED

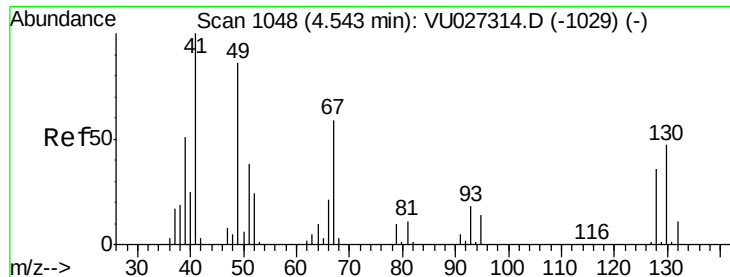
MMDadoda
10/3/2018 6:14:44 PM



#40
Benzene
Concen: 20.499 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





#41

Methacrylonitrile

Concen: 21.053 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 41 Resp: 30375

Ion Ratio Lower Upper

41 100

39 51.5 41.1 61.7

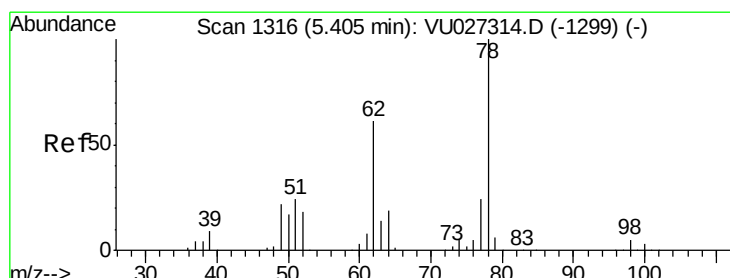
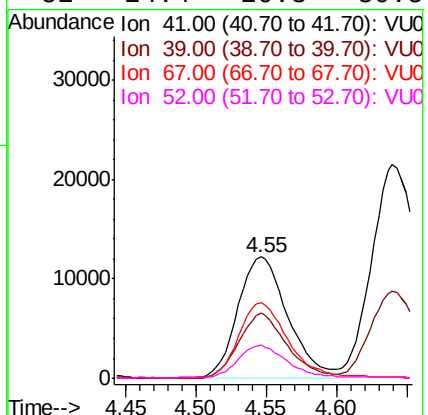
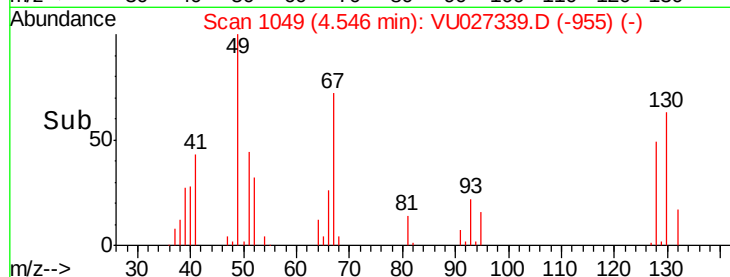
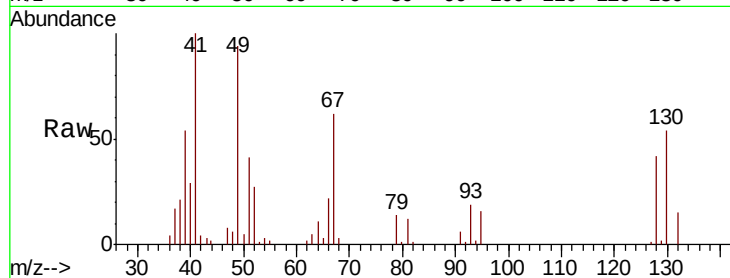
67 60.8 50.4 75.6

52 24.4 20.3 30.5

Manual Integrations
APPROVED

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10/3/2018 6:14:44 PM



#42

1,2-Dichloroethane

Concen: 20.768 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VU027339.D

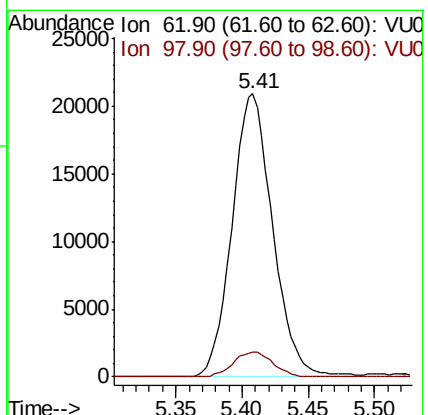
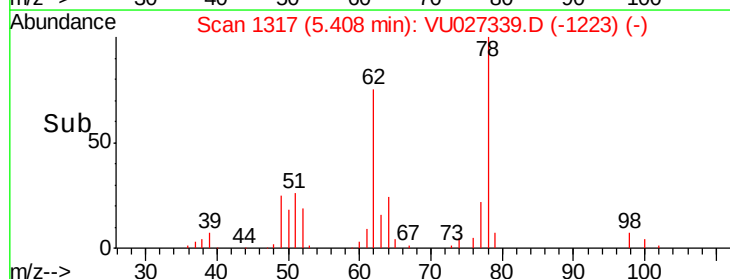
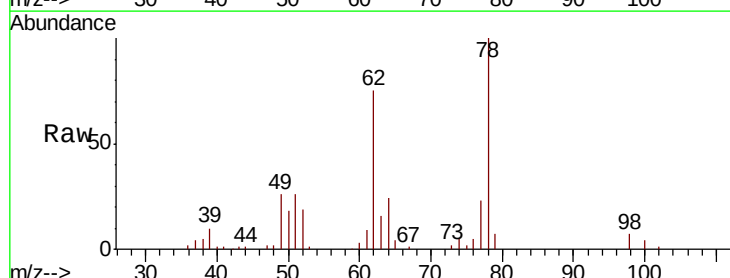
Acq: 02 Oct 2018 11:04

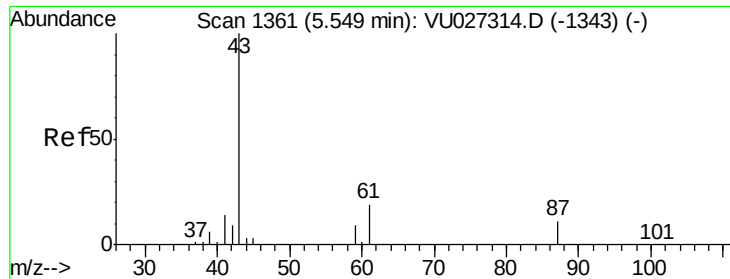
Tgt Ion: 62 Resp: 44353

Ion Ratio Lower Upper

62 100

98 8.5 0.0 16.8





#43

Isopropyl Acetate

Concen: 20.262 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

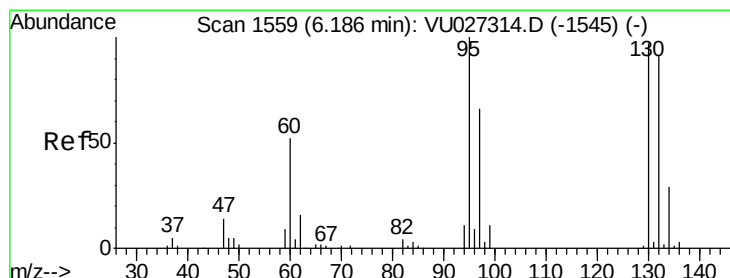
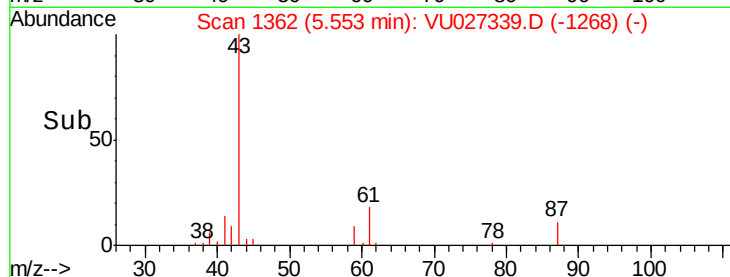
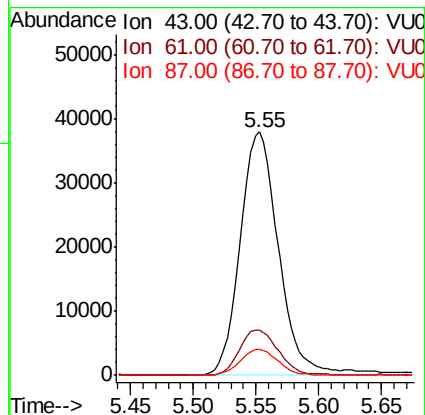
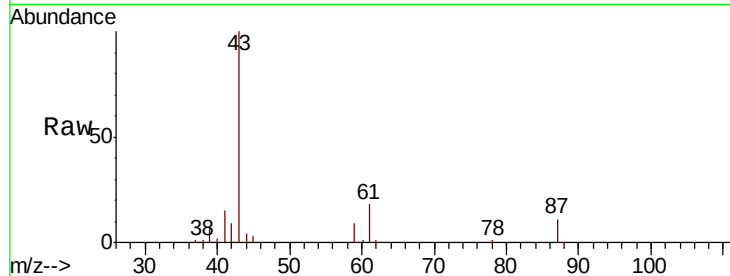
ClientSampleId :

VU1002WBSD01

Tot Ion:	43	Resp:	80330
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.3	22.9
87	10.5	8.6	13.0

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#44

Trichloroethene

Concen: 19.645 ug/l

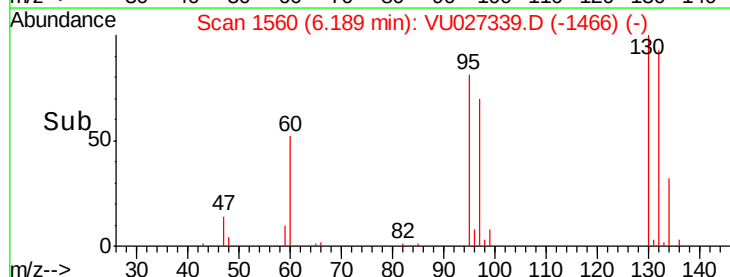
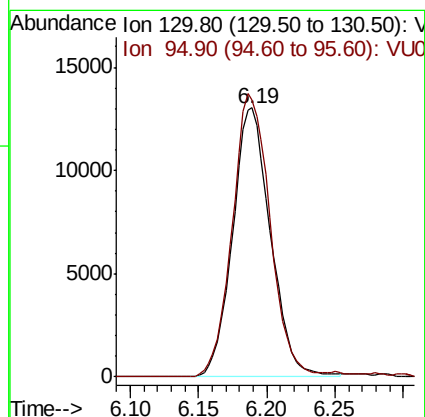
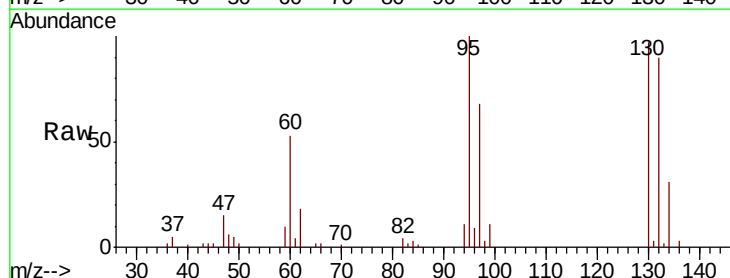
RT: 6.19 min Scan# 1560

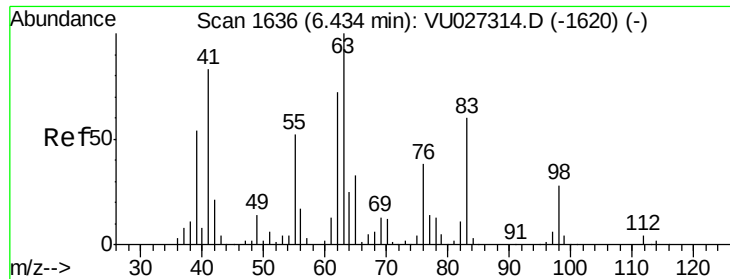
Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	130	Resp:	25203
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.0





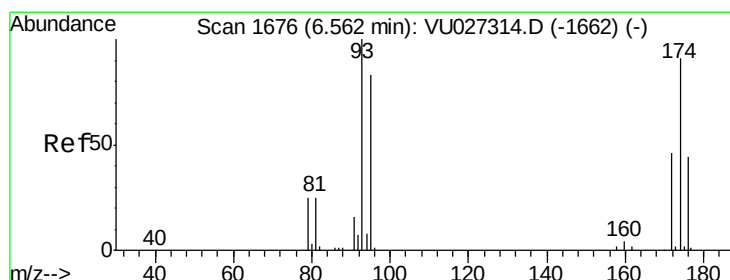
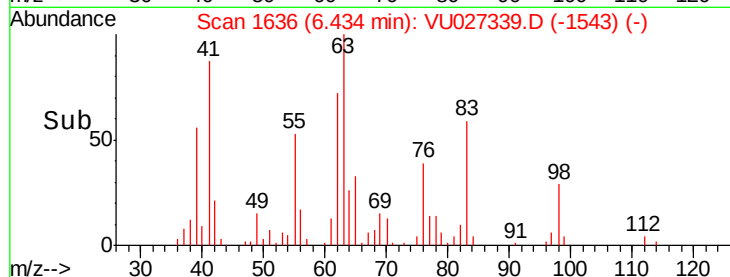
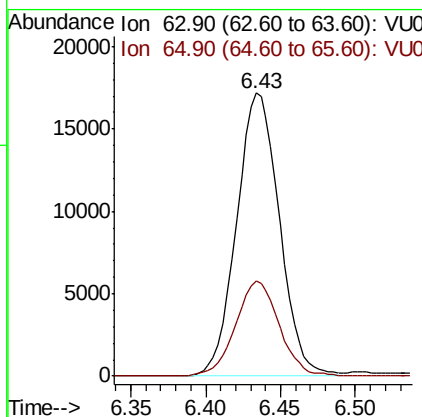
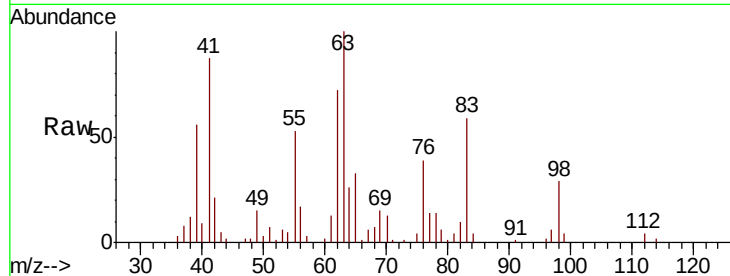
#45
 1,2-Dichloropropane
 Concen: 20.640 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion: 63 Resp: 34252
 Ion Ratio Lower Upper
 63 100
 65 33.5 26.0 39.0

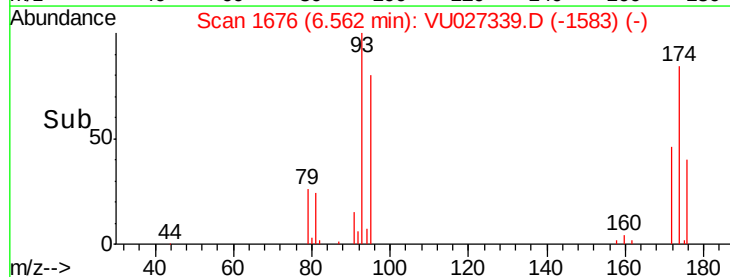
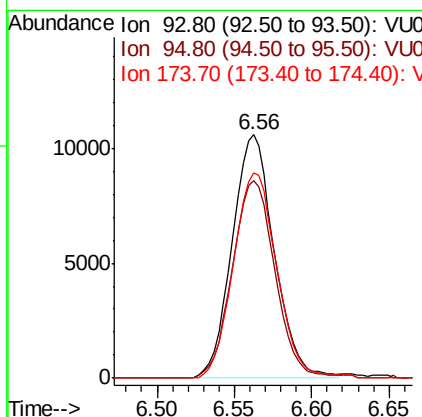
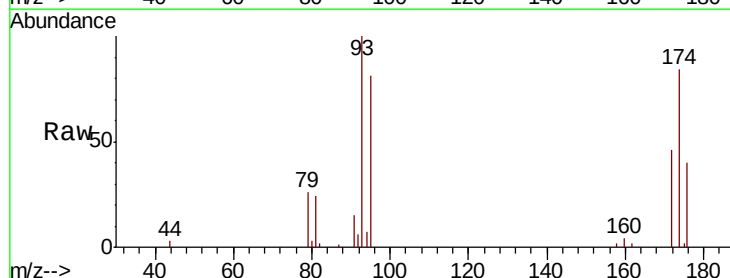
Manual Integrations
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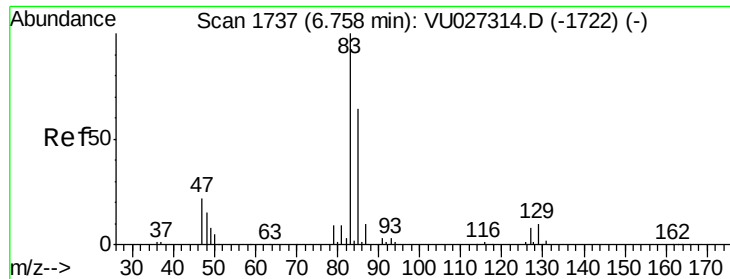
MMDadoda
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#46
 Dibromomethane
 Concen: 21.350 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion: 93 Resp: 20010
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.5 99.7
 174 87.2 72.5 108.7





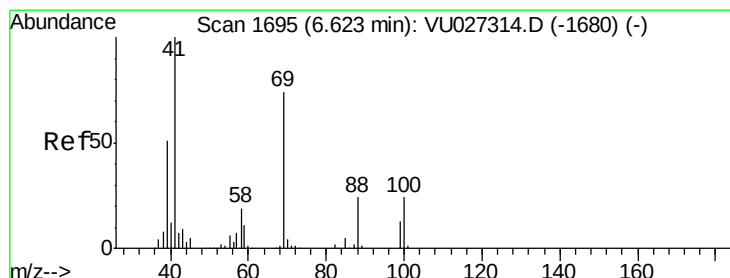
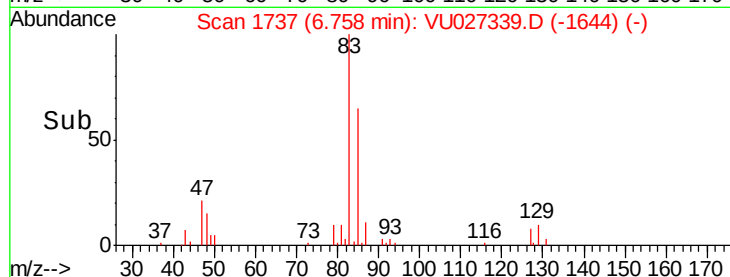
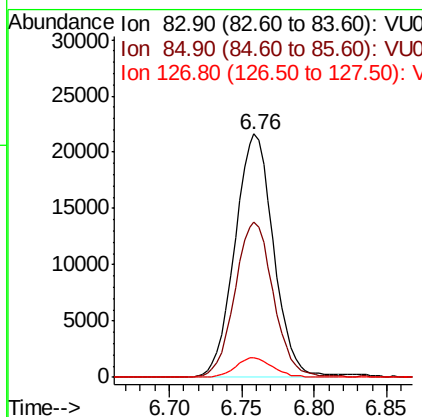
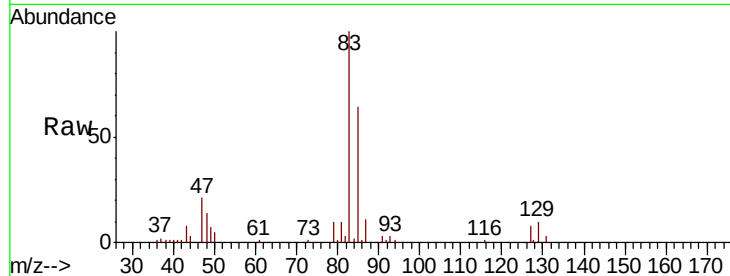
#47
Bromodichloromethane
Concen: 20.575 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	83	Resp	40014
Ion Ratio	100		
83	100		
85	63.8	51.4	77.0
127	8.0	6.3	9.5

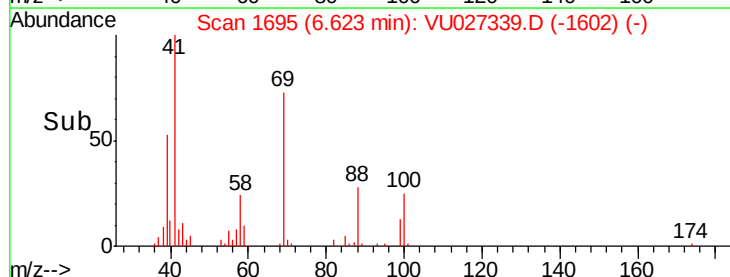
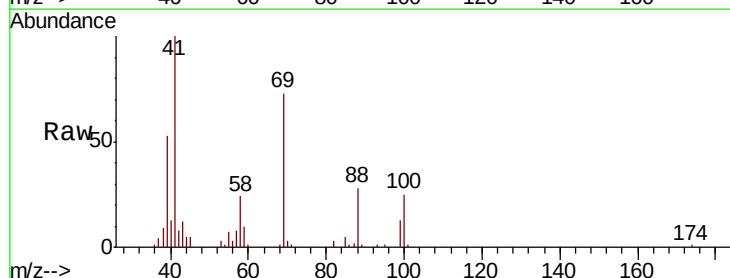
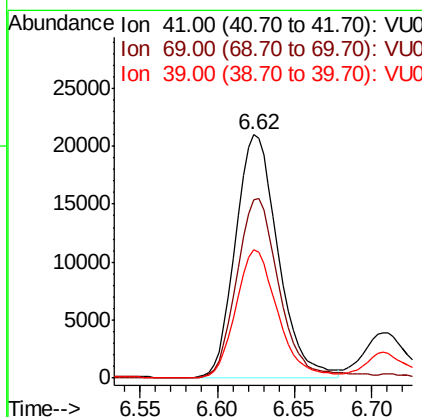
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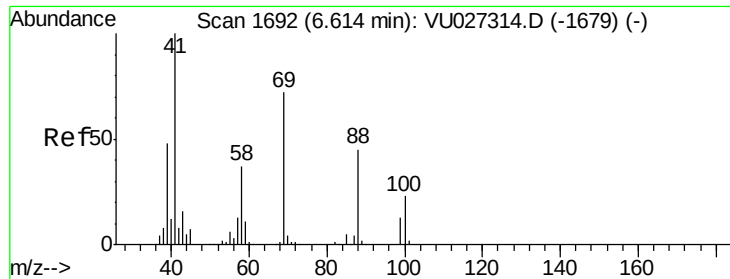
MMDadoda
10/3/2018 6:14:44 PM



#48
Methyl methacrylate
Concen: 20.491 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	41	Resp	40399
Ion Ratio	100		
41	100		
69	73.9	61.0	91.4
39	51.6	39.9	59.9





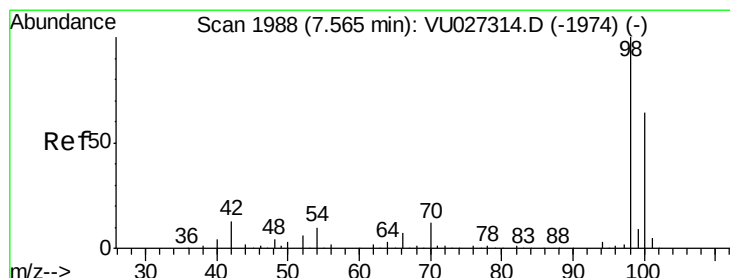
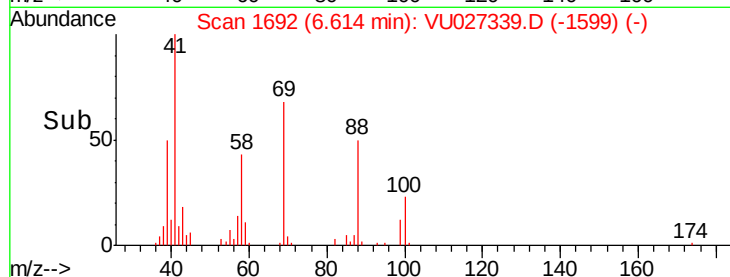
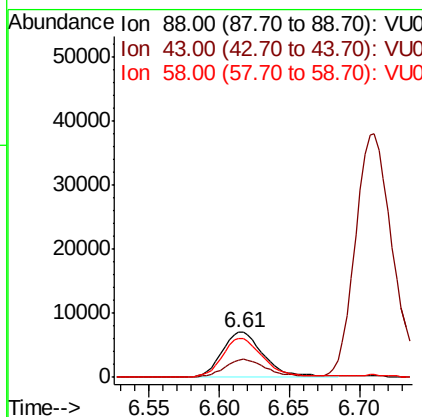
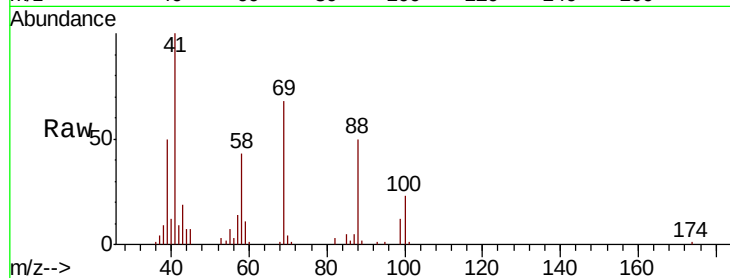
#49
1,4-Dioxane
Concen: 434.674 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	88	Resp	14745
Ion Ratio	Lower	Upper	
88	100		
43	40.5	30.8	46.2
58	82.7	67.0	100.6

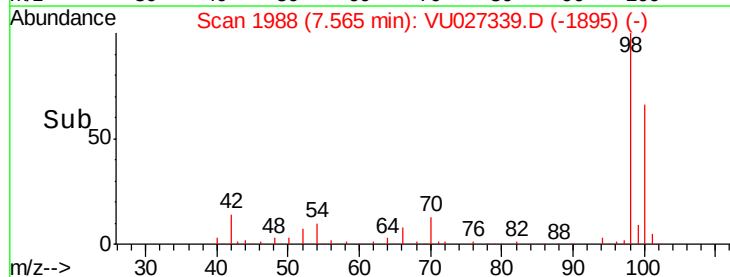
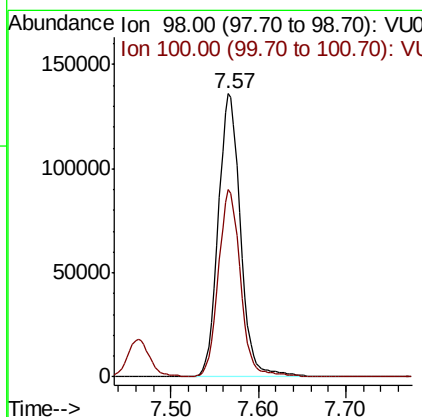
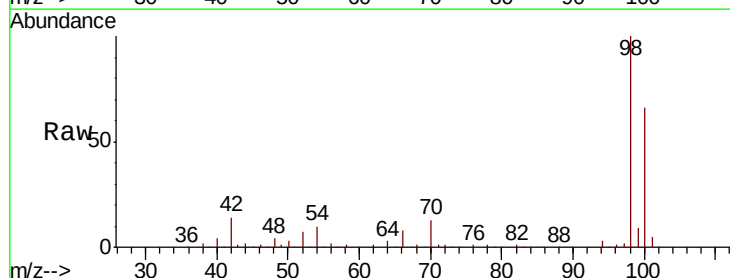
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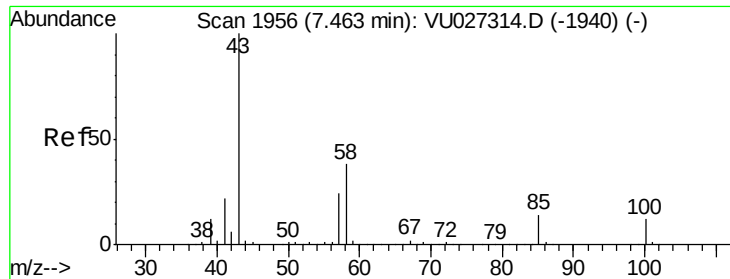
MMDadoda
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#50
Toluene-d8
Concen: 51.518 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	98	Resp	240381
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 106.159 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 43 Resp: 273491

Ion Ratio Lower Upper

43 100

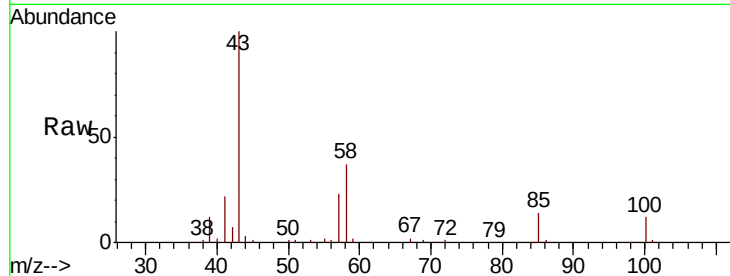
58 36.9 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

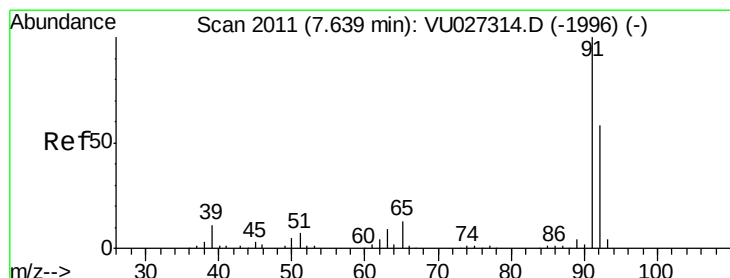
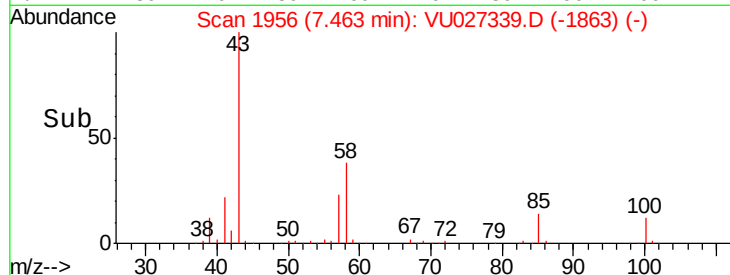
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.230 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027339.D

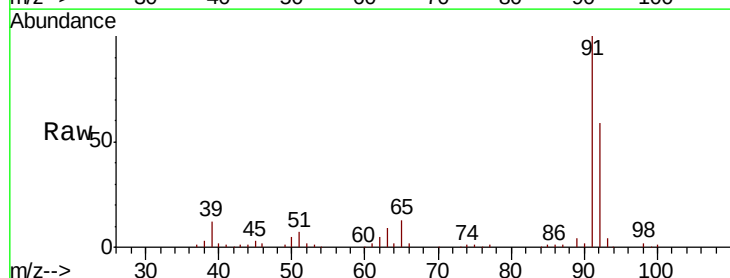
Acq: 02 Oct 2018 11:04

Tgt Ion: 92 Resp: 68892

Ion Ratio Lower Upper

92 100

91 173.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

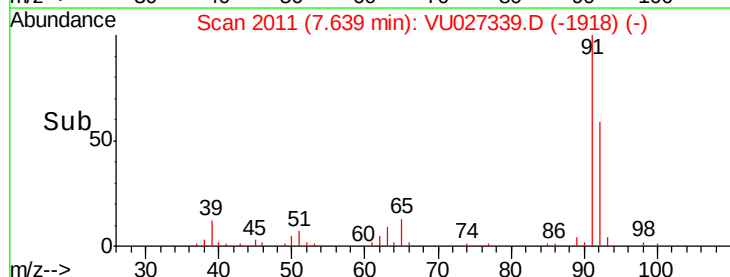
60000

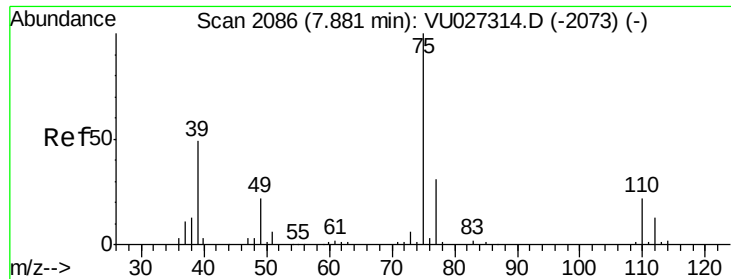
40000

20000

0

Time-->





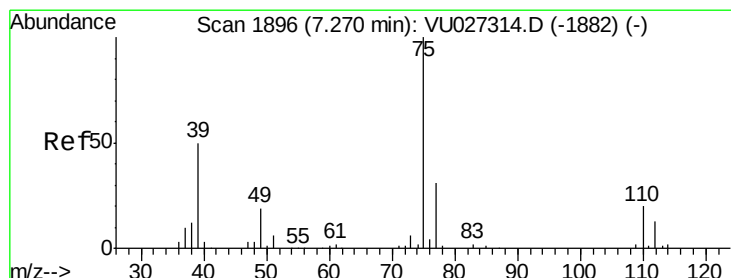
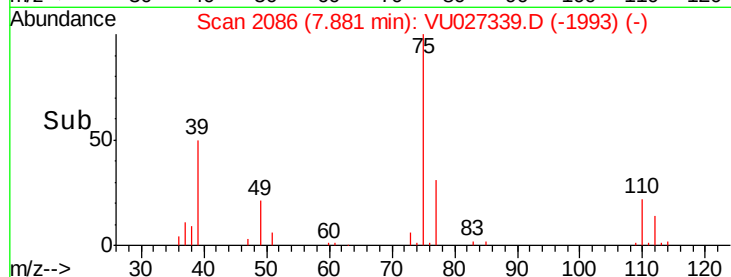
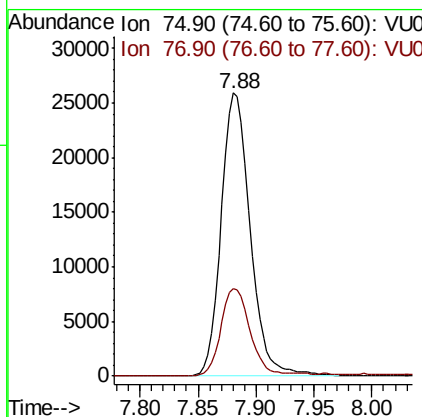
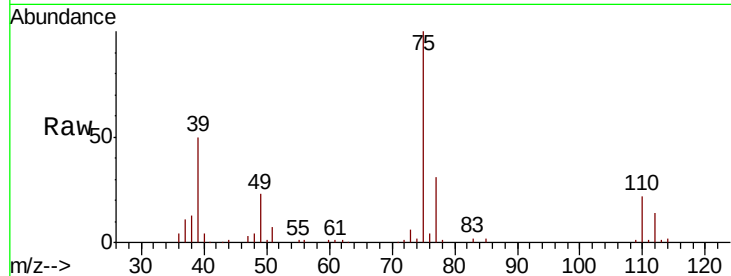
#53
t-1,3-Dichloropropene
Concen: 19.758 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion: 75 Resp: 45052
Ion Ratio Lower Upper
75 100
77 31.0 25.0 37.6

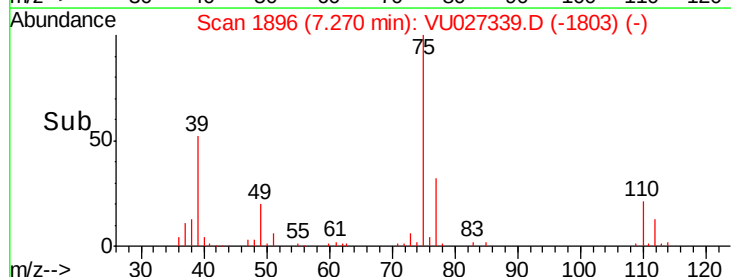
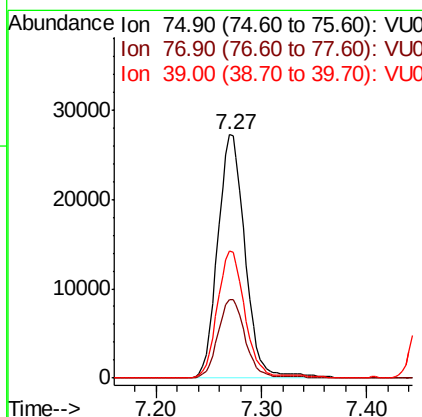
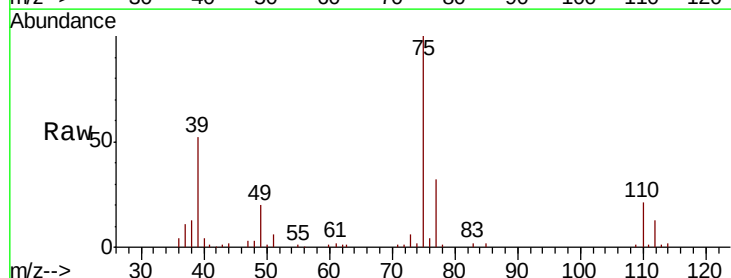
Manual Integrations
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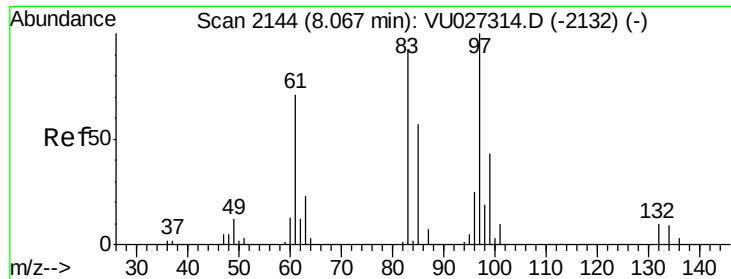
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#54
cis-1,3-Dichloropropene
Concen: 19.963 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion: 75 Resp: 48936
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7
39 52.1 40.1 60.1





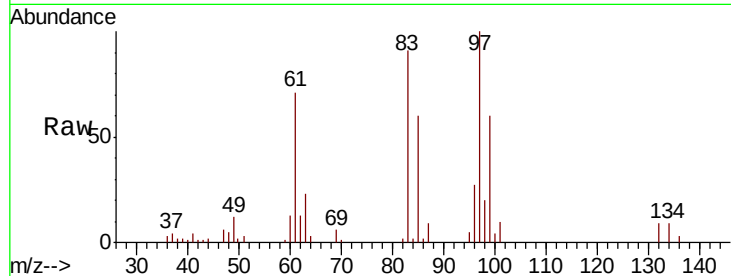
#55
 1,1,2-Trichloroethane
 Concen: 20.816 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

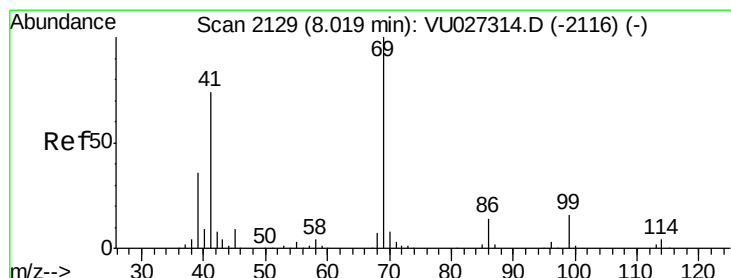
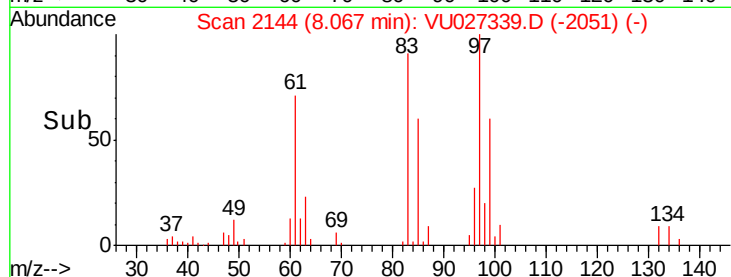
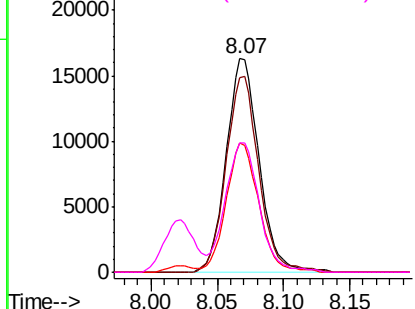
Tot Ion:	97	Resp:	28105
Ion	Ratio	Lower	Upper
97	100		
83	91.2	73.0	109.6
85	60.4	47.3	70.9
99	60.3	49.7	74.5

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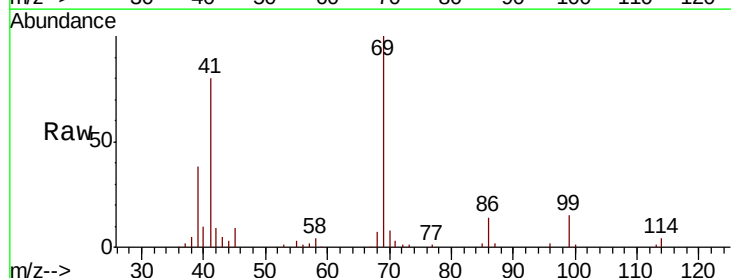


Abundance Ion 96.90 (96.60 to 97.60): VU0
 Ion 82.90 (82.60 to 83.60): VU0
 Ion 84.90 (84.60 to 85.60): VU0
 Ion 98.90 (98.60 to 99.60): VU0

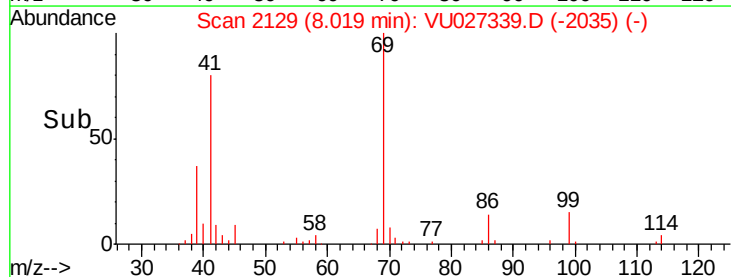
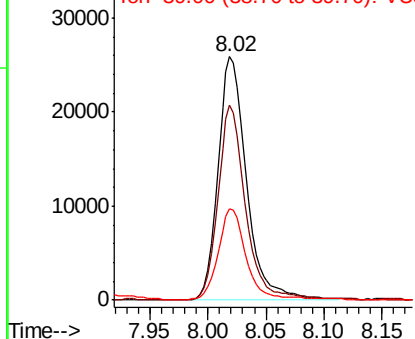


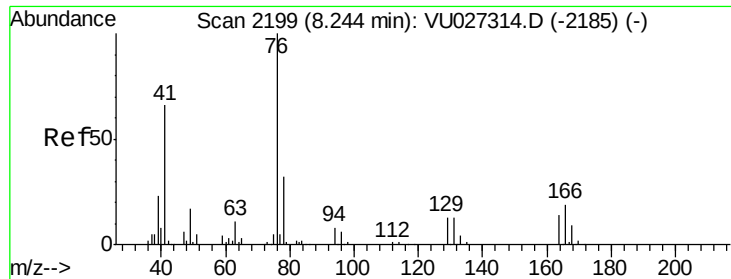
#56
 Ethyl methacrylate
 Concen: 18.693 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion:	69	Resp:	44480
Ion	Ratio	Lower	Upper
69	100		
41	77.8	60.0	90.0
39	37.5	29.5	44.3



Abundance Ion 69.00 (68.70 to 69.70): VU0
 Ion 41.00 (40.70 to 41.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0





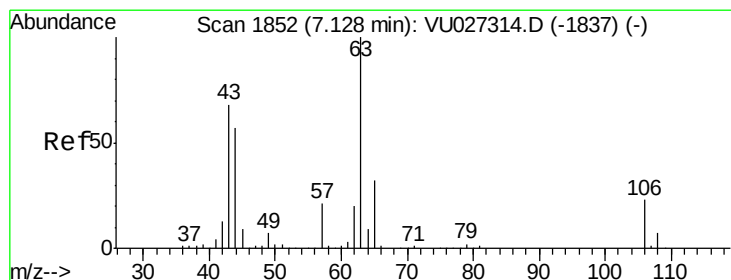
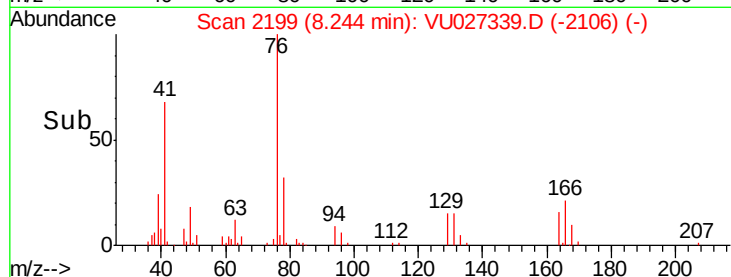
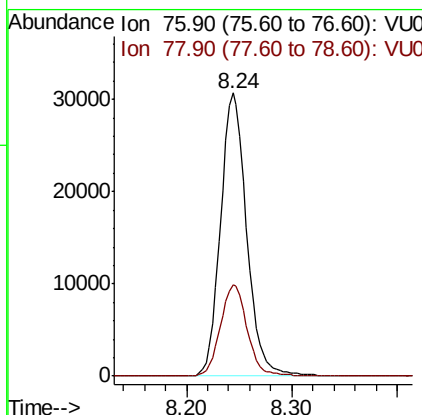
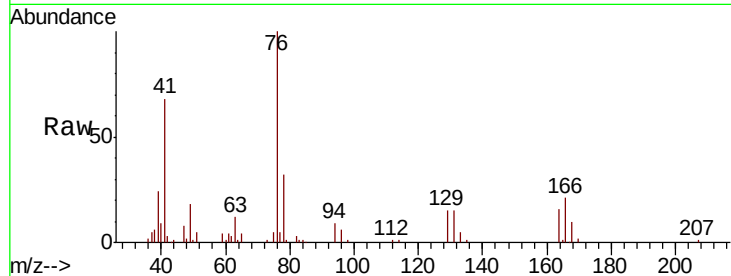
#57
 1,3-Dichloropropane
 Concen: 20.076 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

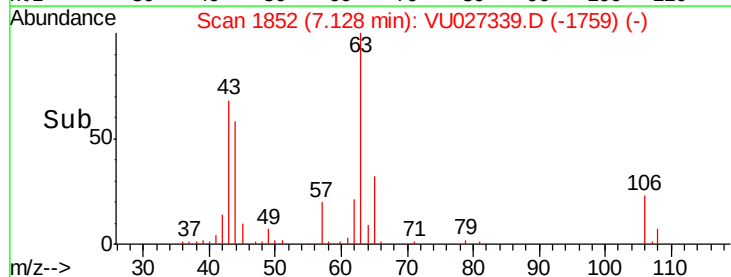
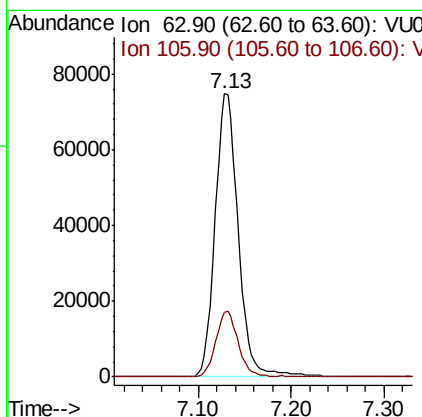
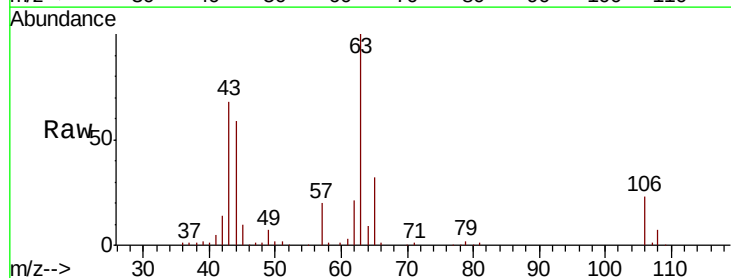
Manual Integrations
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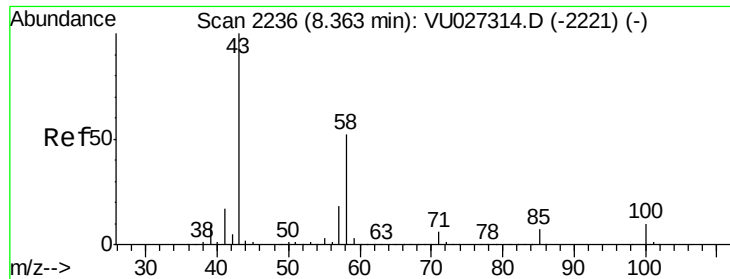
MMDadoda
 10/3/2018 6:14:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.411 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.3	18.5	27.7





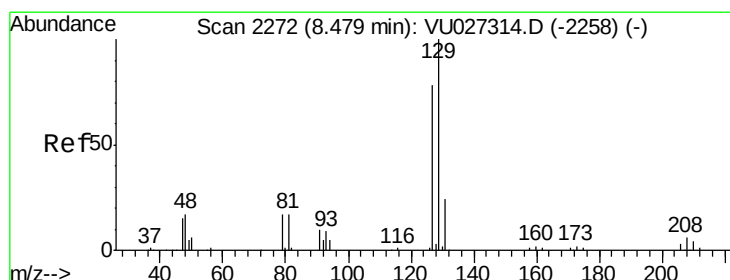
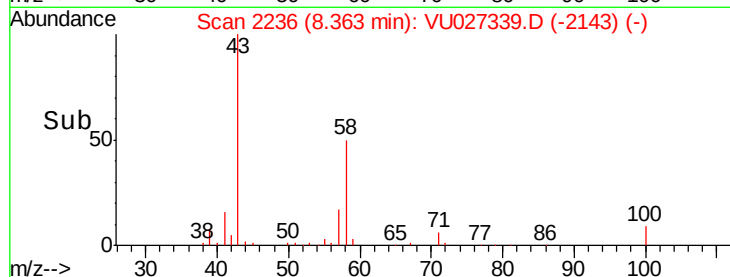
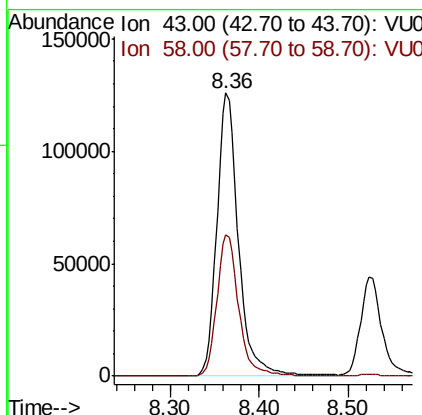
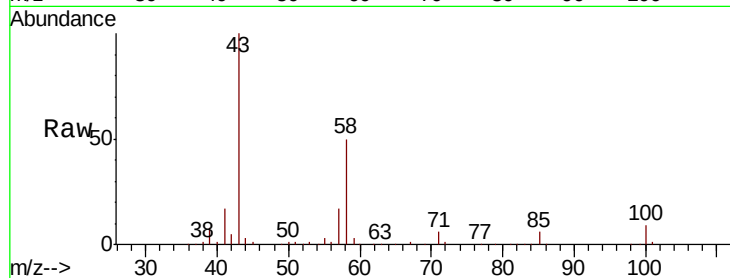
#59
2-Hexanone
Concen: 105.653 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.7	26.1	78.3

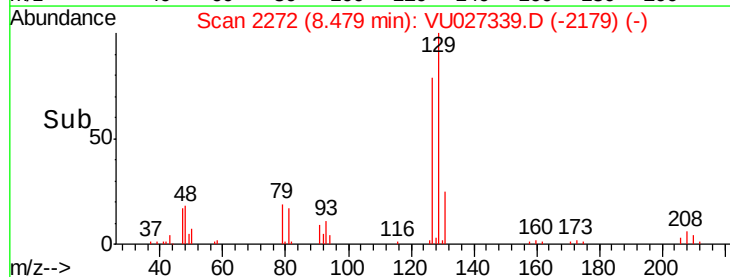
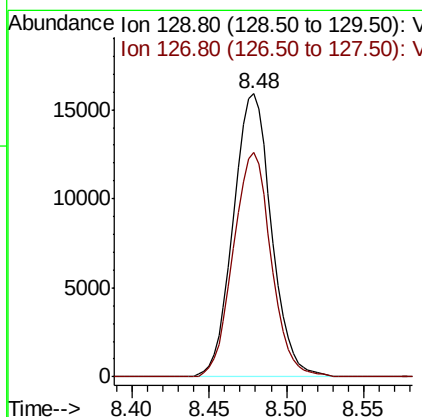
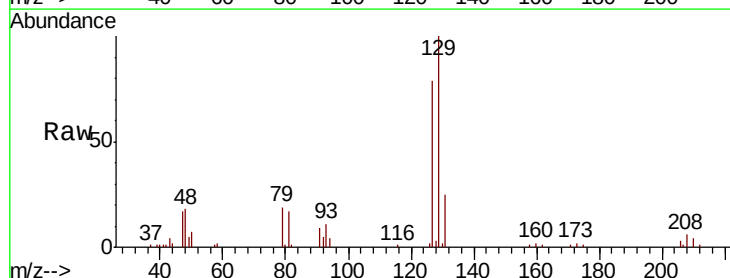
Manual Integrations
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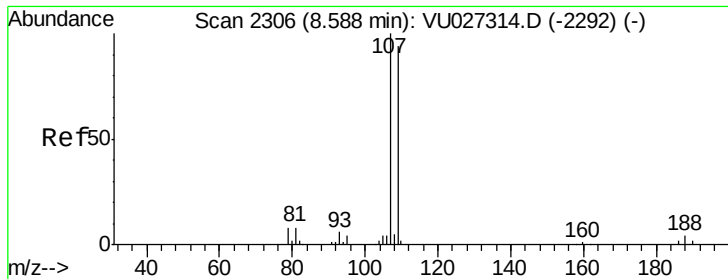
MMDadoda
10/3/2018 6:14:44 PM



#60
Dibromochloromethane
Concen: 20.128 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.2





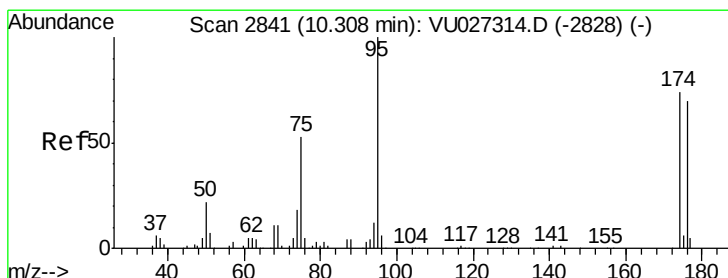
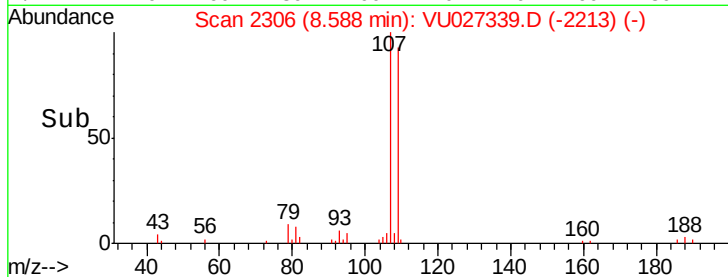
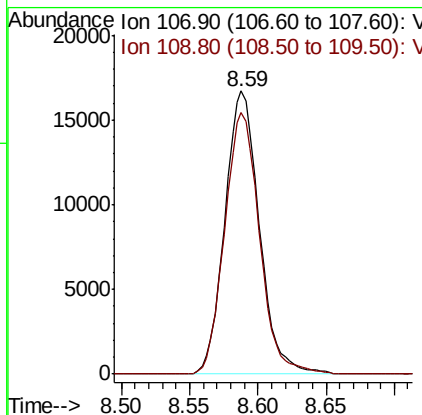
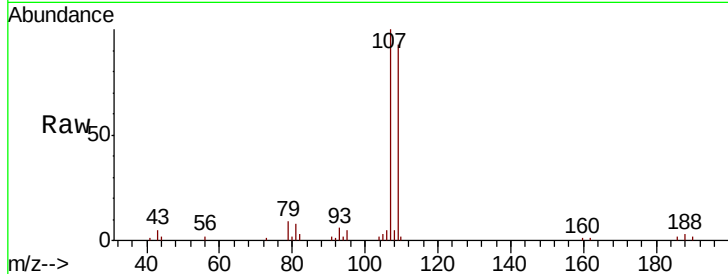
#61
 1,2-Dibromoethane
 Concen: 20.458 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.5	111.7

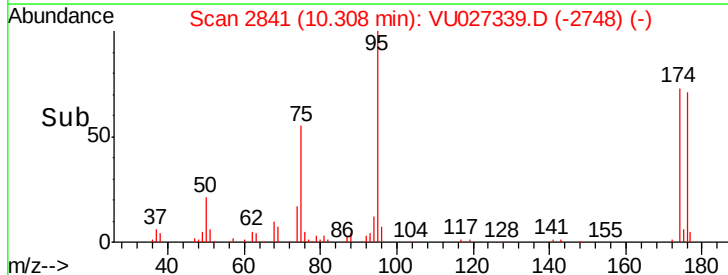
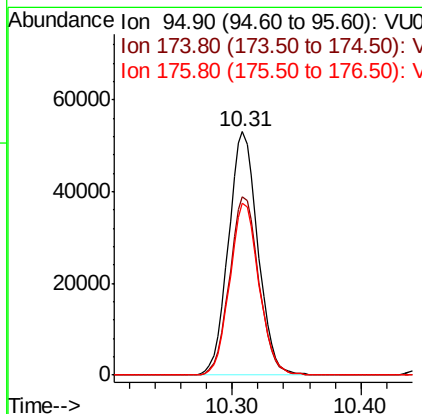
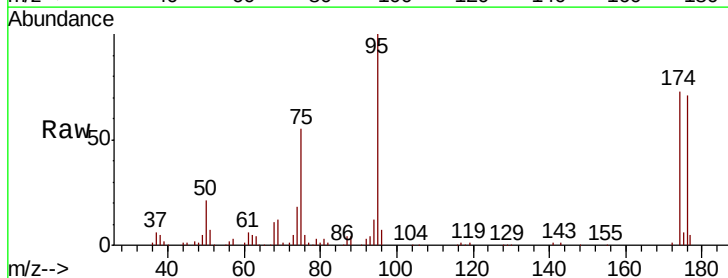
Manual Integrations
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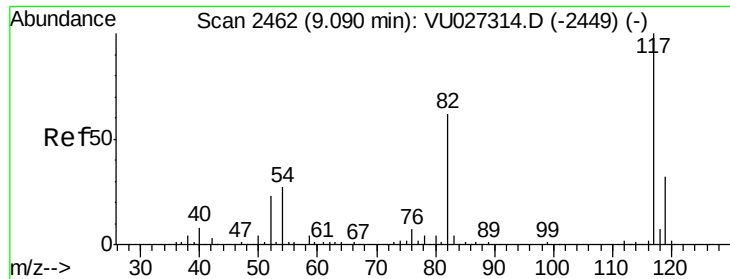
MMDadoda
 10/3/2018 6:14:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.346 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	147.8
176	70.5	0.0	140.8





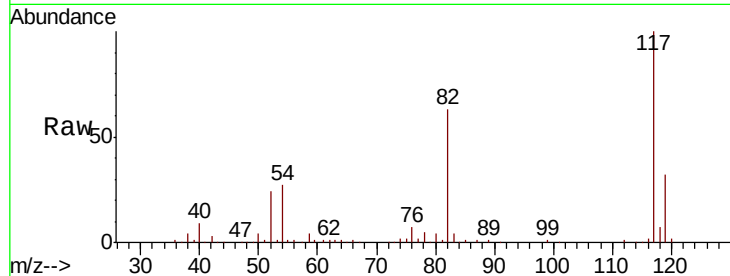
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.2	49.2	73.8
119	32.2	25.7	38.5

Manual Integrations
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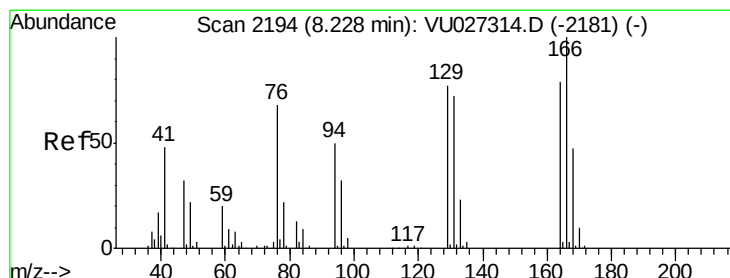
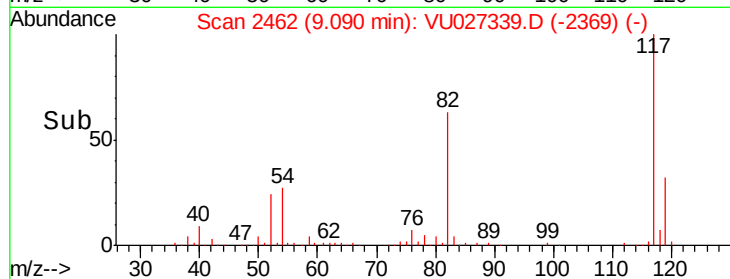
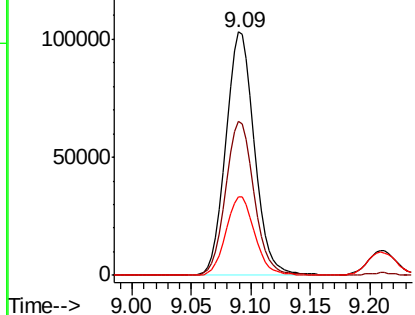


Abundance

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: 20.275 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	101.0	151.6
129	93.5	78.0	117.0
131	92.0	72.6	109.0

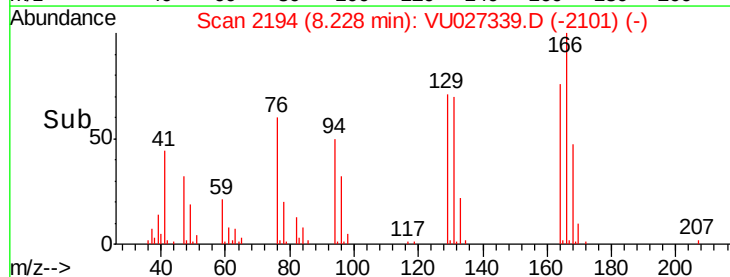
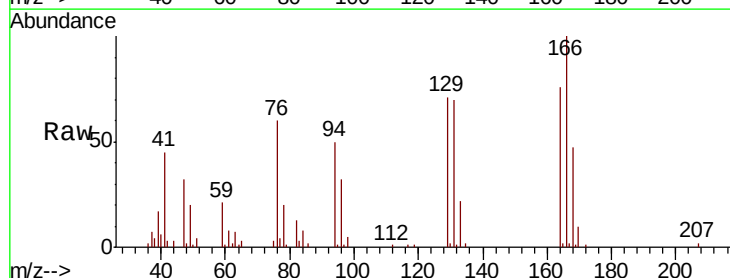
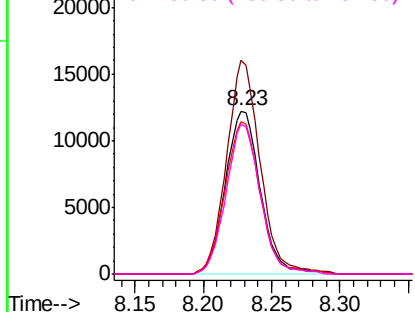
Abundance

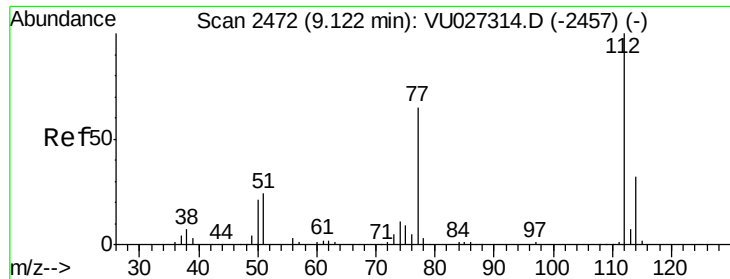
Ion 163.80 (163.50 to 164.50): V

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





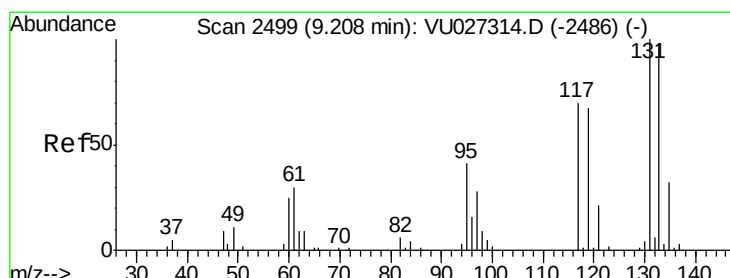
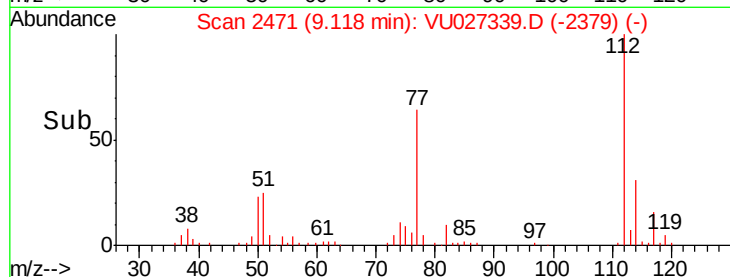
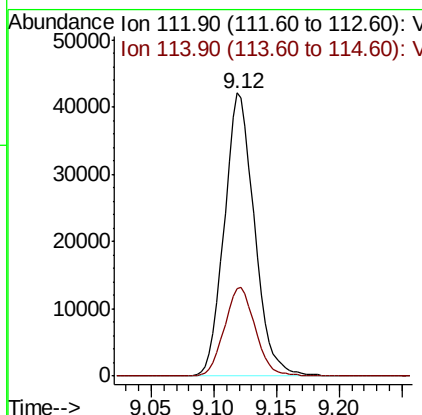
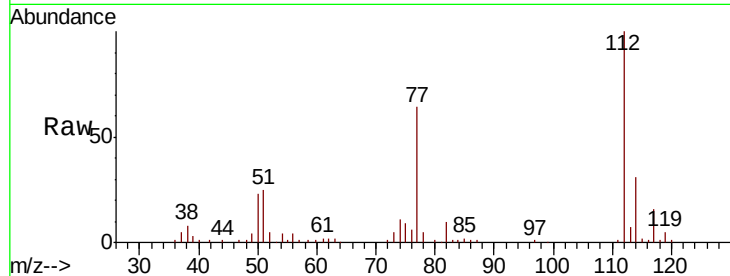
#65
Chlorobenzene
Concen: 19.485 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion:112 Resp: 70508
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.6

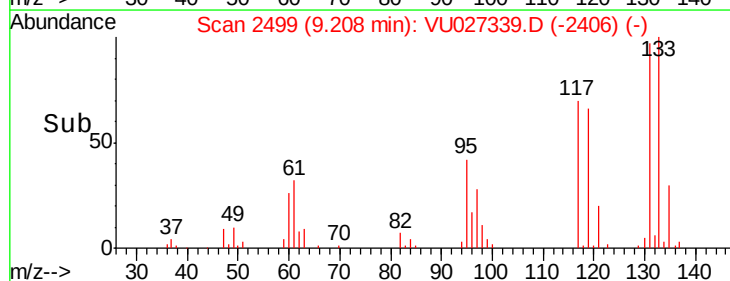
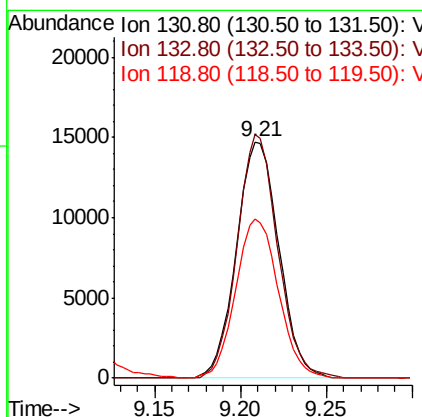
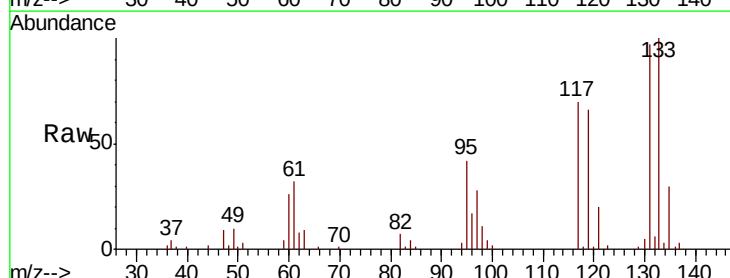
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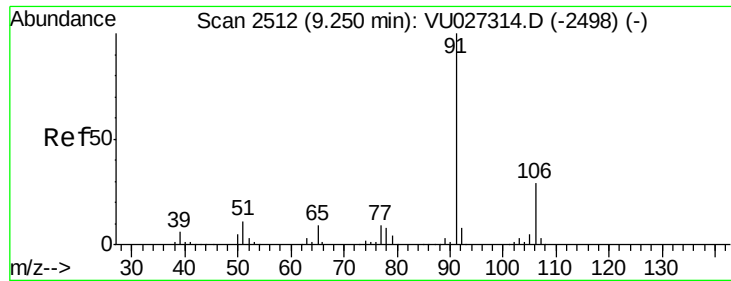
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.291 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion:131 Resp: 25348
Ion Ratio Lower Upper
131 100
133 98.5 48.5 145.6
119 67.8 33.5 100.4





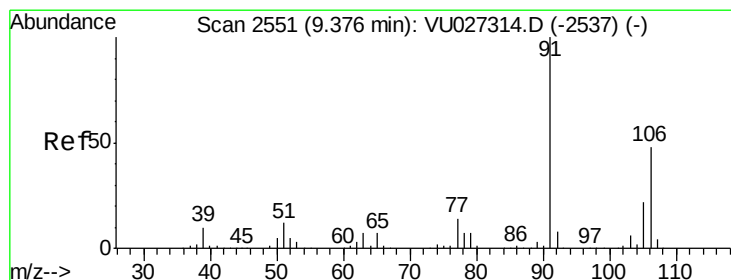
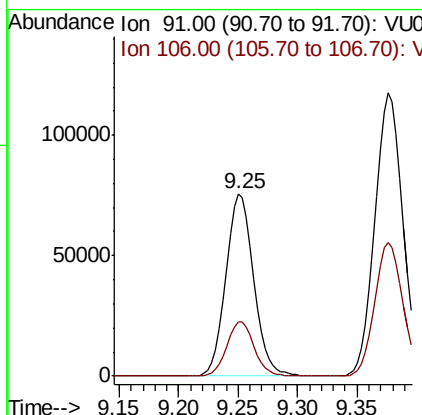
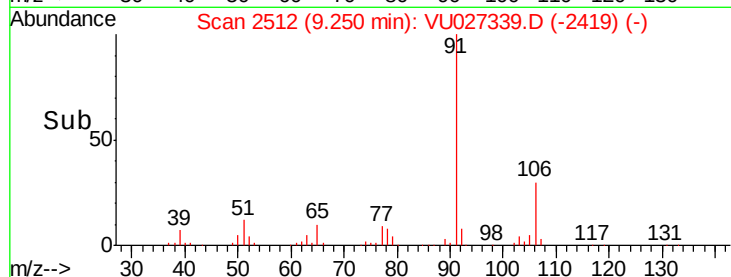
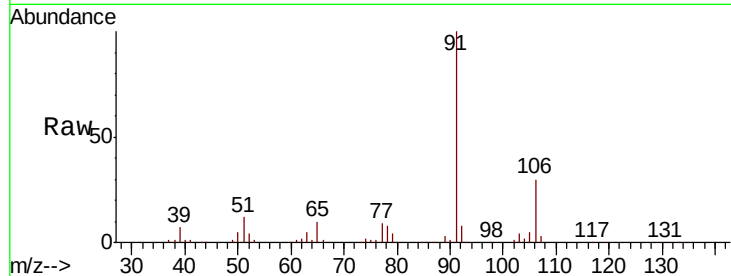
#67
Ethyl Benzene
Concen: 19.199 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion: 91 Resp: 123088
Ion Ratio Lower Upper
91 100
106 29.7 23.6 35.4

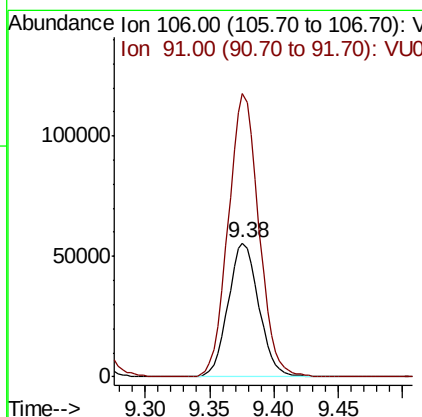
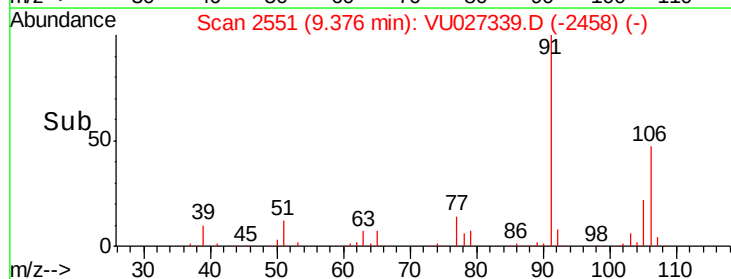
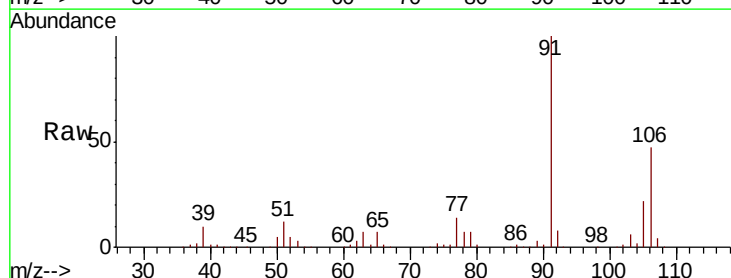
Manual Integrations
APPROVED

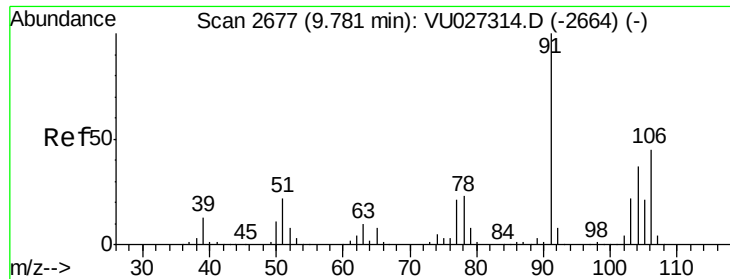
MMDadoda
10/3/2018 6:14:44 PM



#68
m/p-Xylenes
Concen: 39.256 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion: 106 Resp: 92059
Ion Ratio Lower Upper
106 100
91 209.5 168.1 252.1





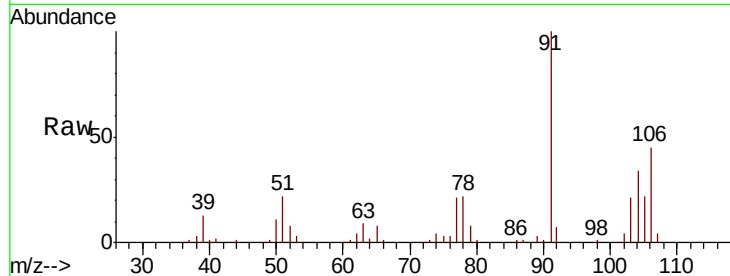
#69
o-Xylene
Concen: 19.629 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

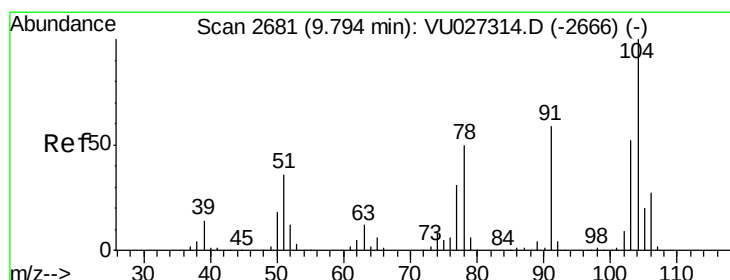
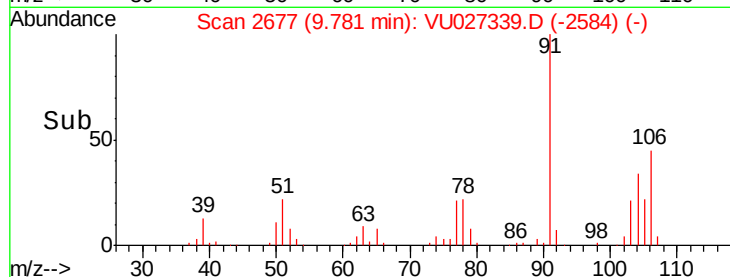
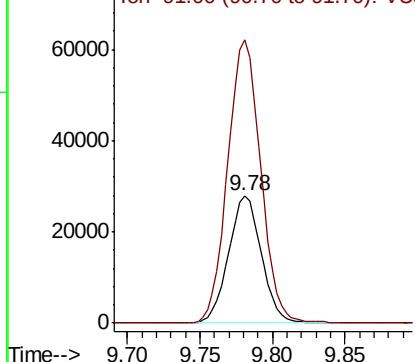
Tot Ion:106 Resp: 43745
Ion Ratio Lower Upper
106 100
91 224.8 111.7 334.9

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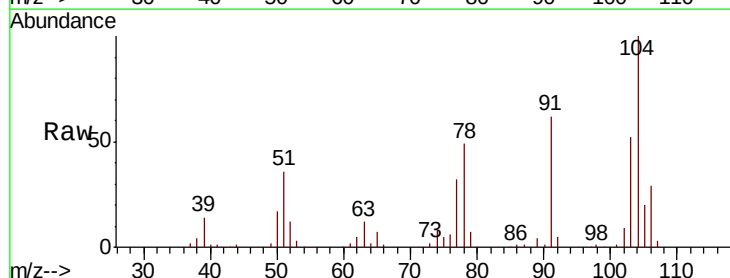


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

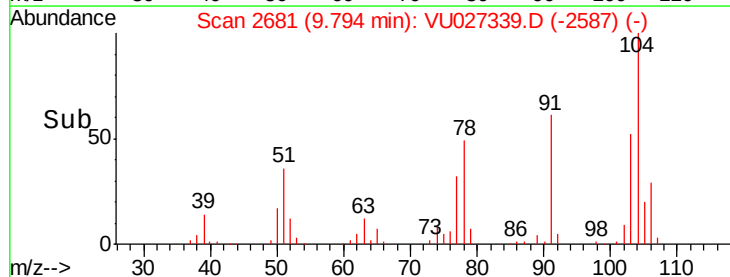
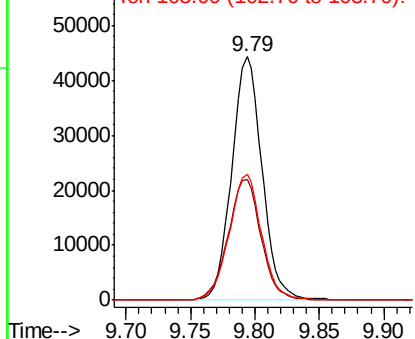


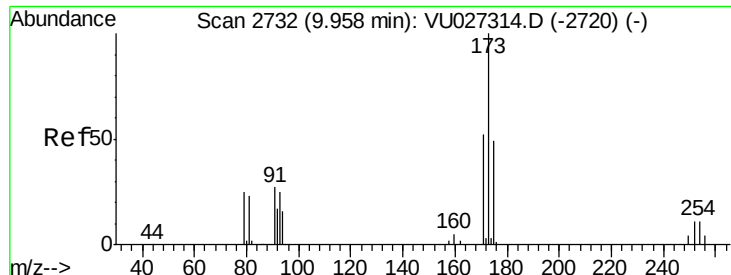
#70
Styrene
Concen: 18.881 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion:104 Resp: 72404
Ion Ratio Lower Upper
104 100
78 54.2 42.9 64.3
103 55.2 43.9 65.9



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: 19.030 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

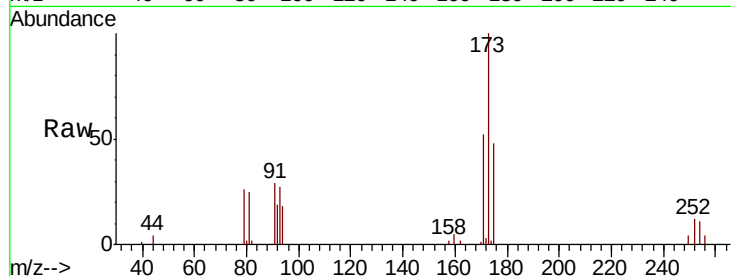
ClientSampleId :

VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.3	73.0
254	0.0	0.0	0.0

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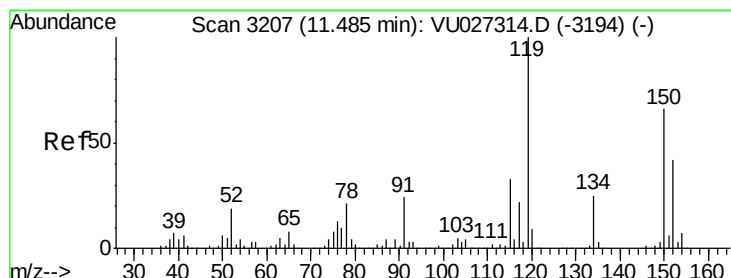
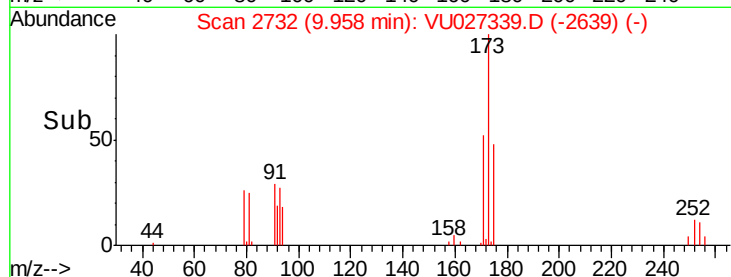
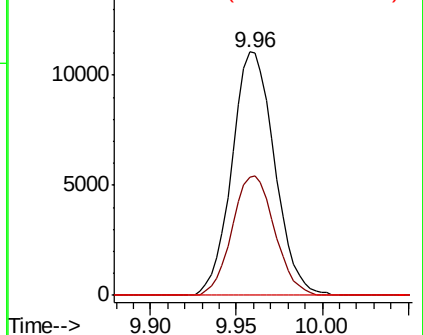


Abundance

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# 3207

Delta R.T. -0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

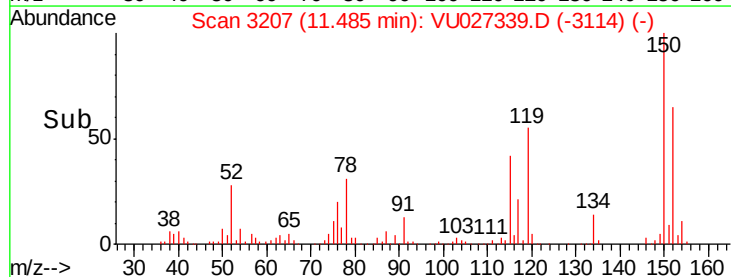
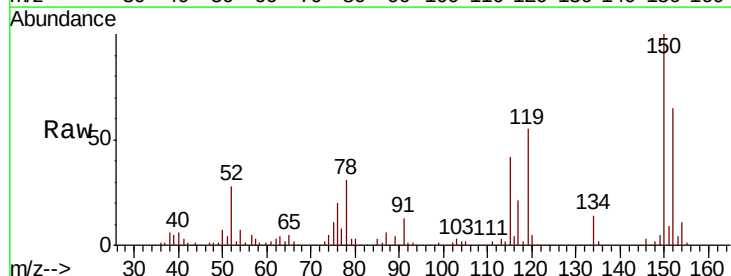
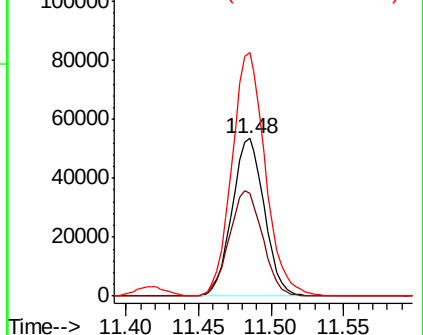
Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.3	43.4	130.2
150	160.5	0.0	349.2

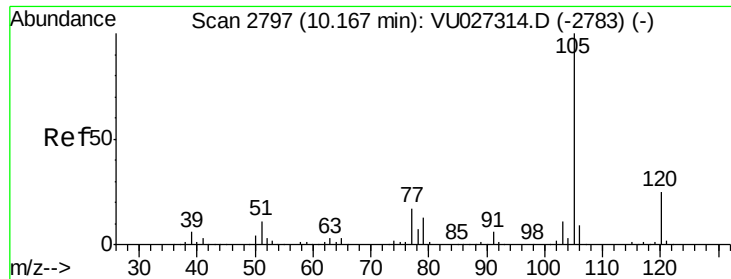
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.059 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 105 Resp: 120146

Ion Ratio Lower Upper

105 100

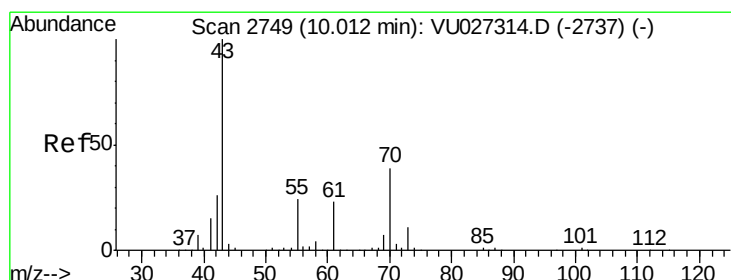
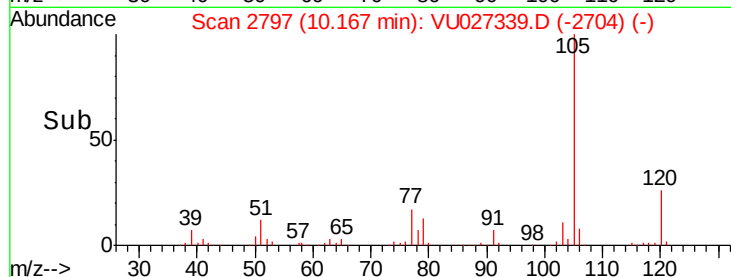
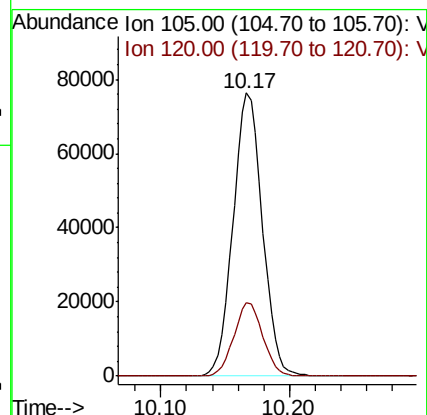
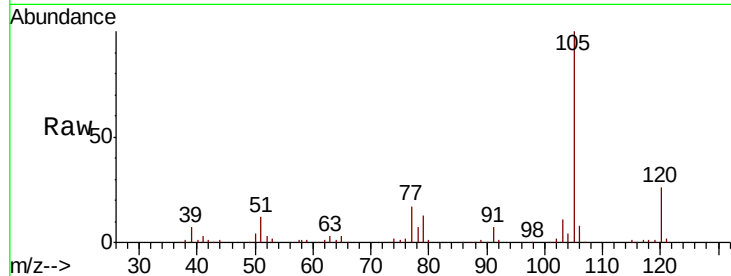
120 25.7 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.609 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion: 43 Resp: 67239

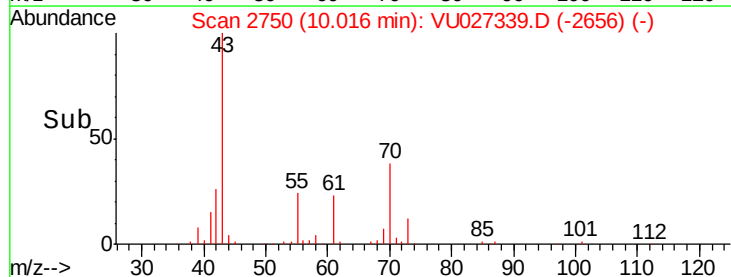
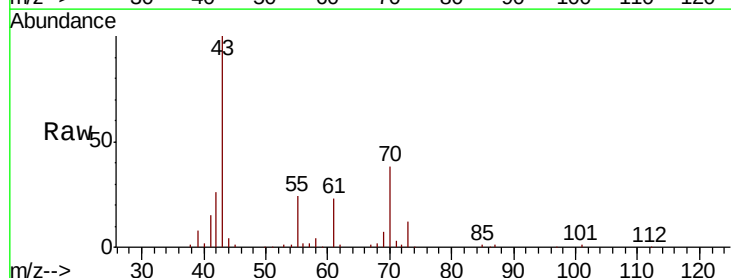
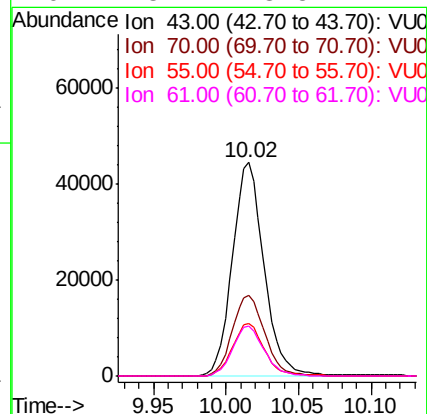
Ion Ratio Lower Upper

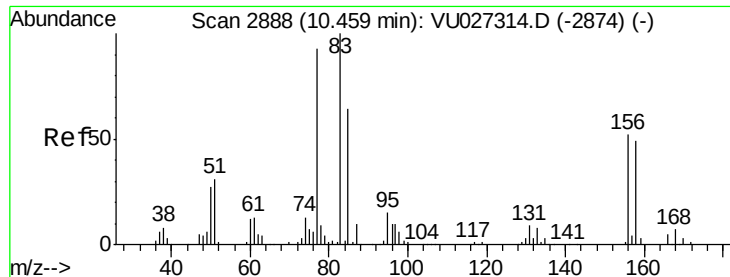
43 100

70 38.7 31.3 46.9

55 24.6 19.0 28.6

61 23.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.756 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

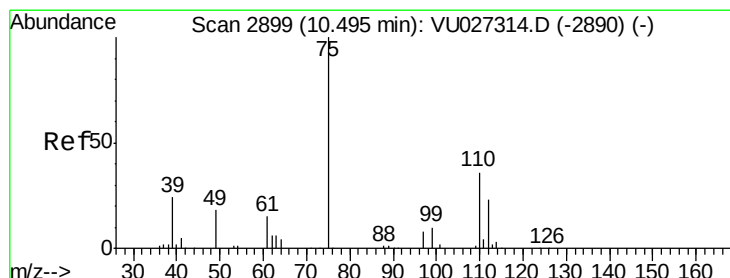
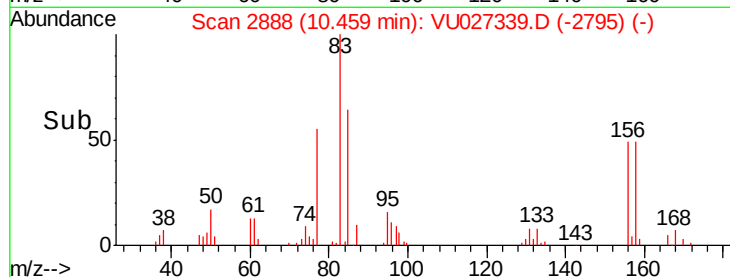
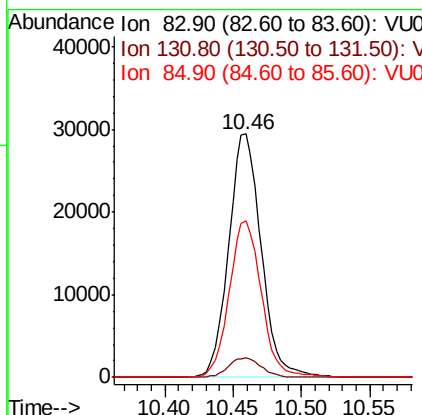
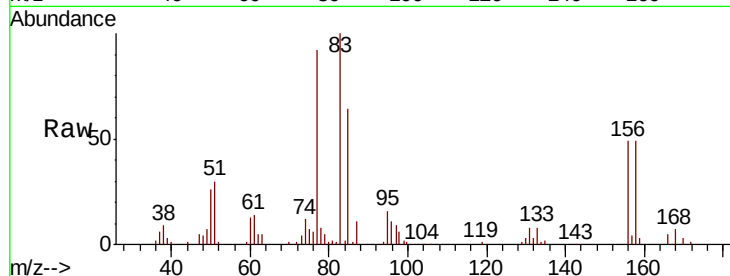
ClientSampleId :

VU1002WBSD01

Tot Ion:	83	Resp:	48817
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.4	13.2
85	63.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.883 ug/l m

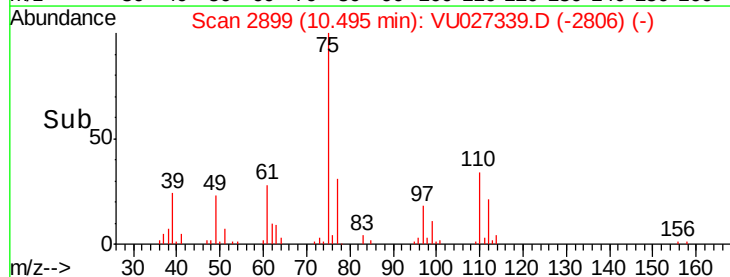
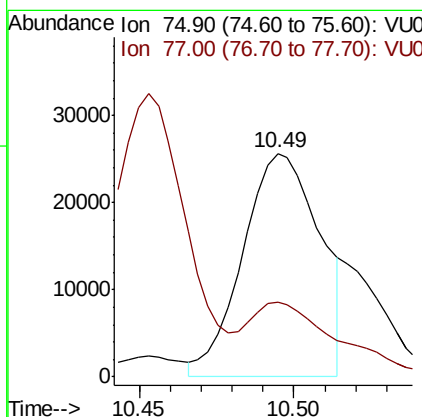
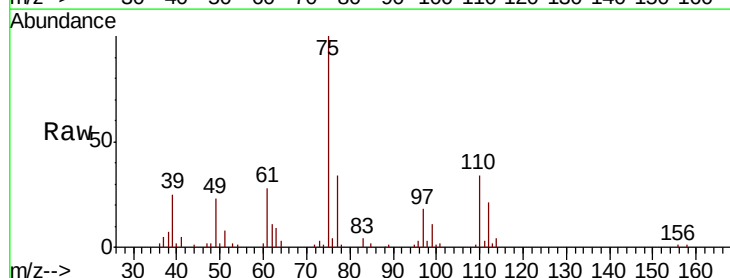
RT: 10.49 min Scan# 2899

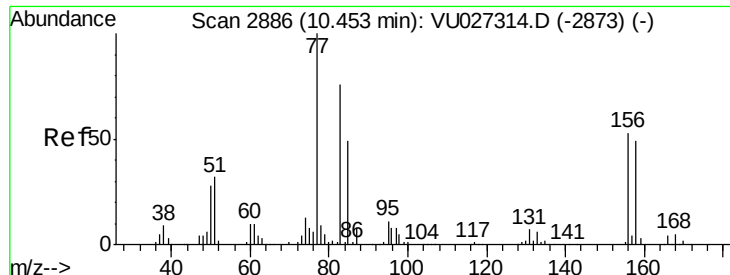
Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	75	Resp:	44645
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.3	60.9





#77

Bromobenzene

Concen: 19.864 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

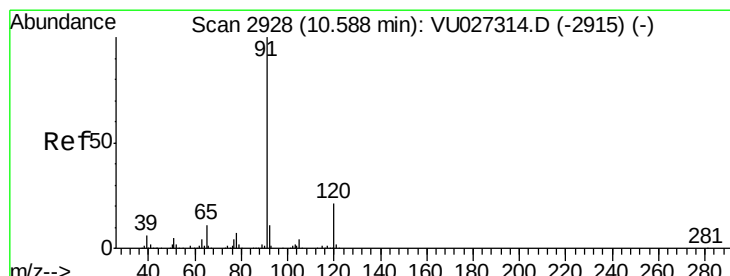
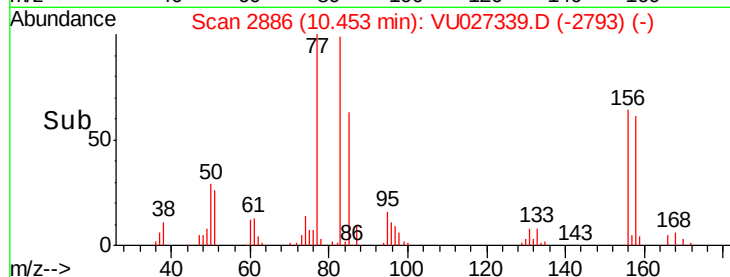
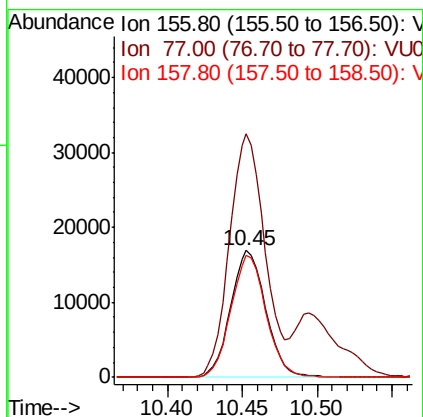
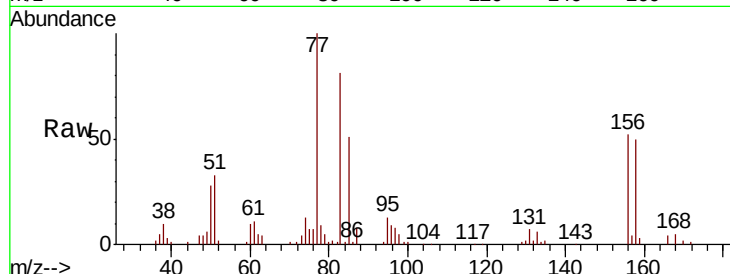
ClientSampleId :

VU1002WBSD01

Tot Ion:	156	Resp:	27651
Ion Ratio	Lower	Upper	
156	100		
77	192.9	94.8	284.4
158	96.1	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 19.478 ug/l

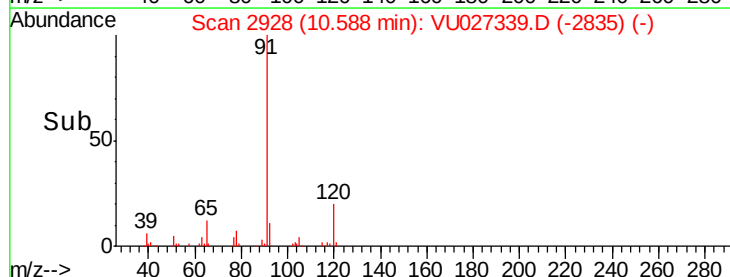
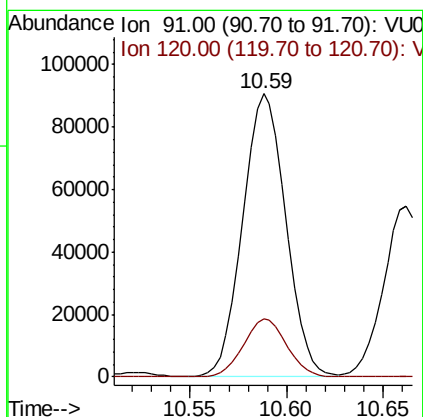
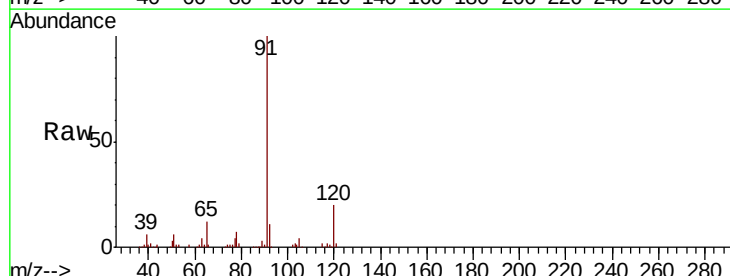
RT: 10.59 min Scan# 2928

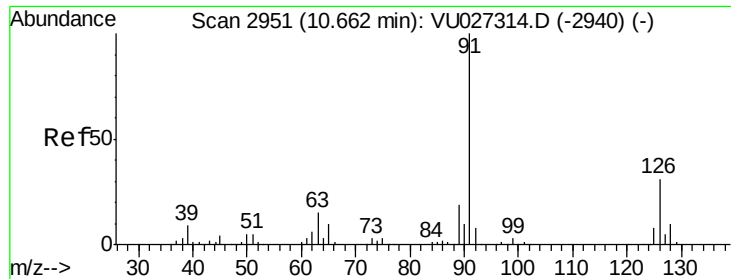
Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	91	Resp:	140187
Ion Ratio	Lower	Upper	
91	100		
120	20.6	10.6	31.8





#79

2-Chlorotoluene

Concen: 19.607 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion: 91 Resp: 85206

Ion Ratio Lower Upper

91 100

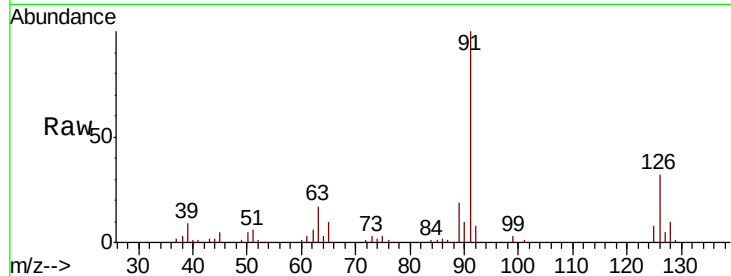
126 32.2 15.7 47.1

Manual Integrations

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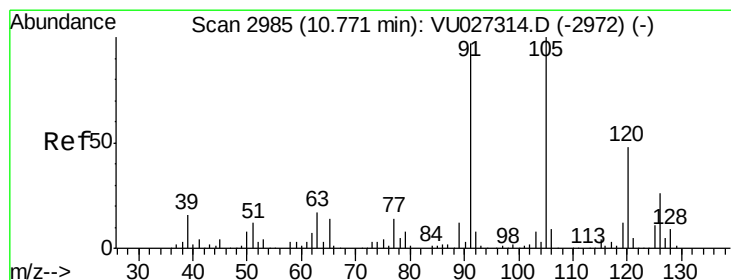
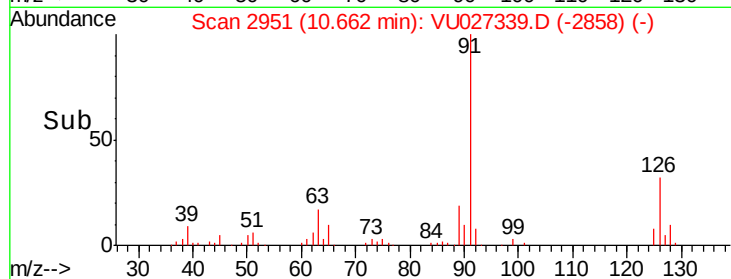
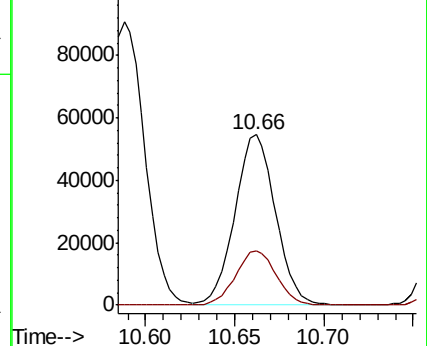
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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.234 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027339.D

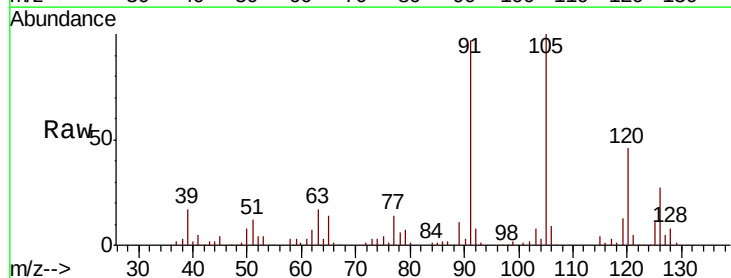
Acq: 02 Oct 2018 11:04

Tgt Ion: 105 Resp: 98671

Ion Ratio Lower Upper

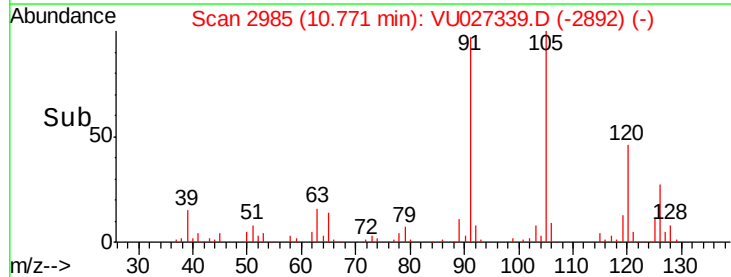
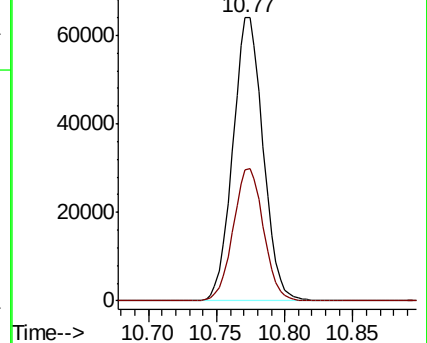
105 100

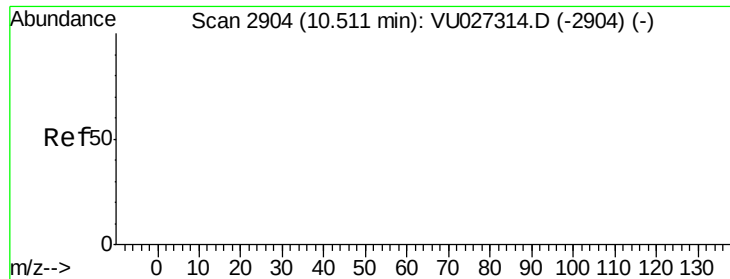
120 46.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)





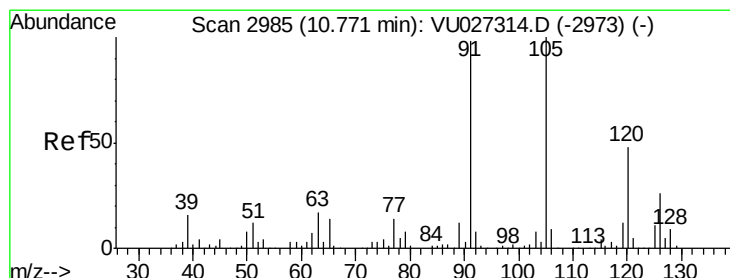
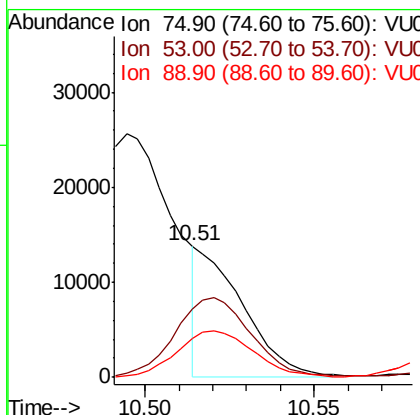
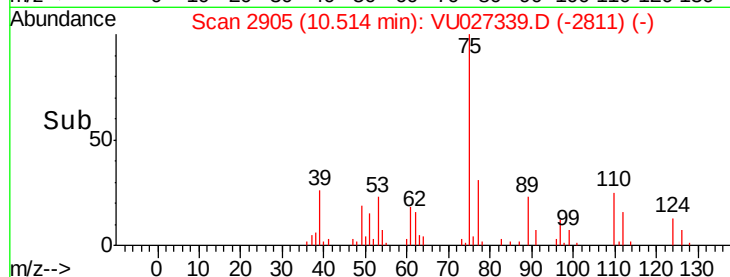
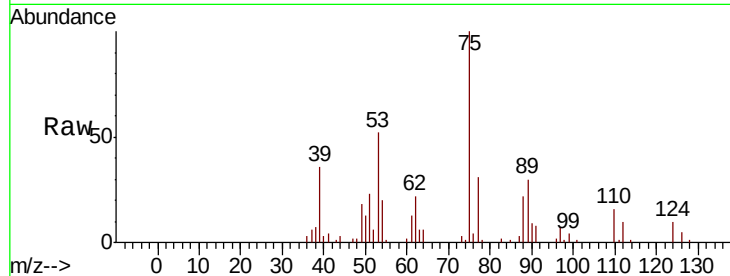
#81
trans-1,4-Dichloro-2-butene
Concen: 15.557 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

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

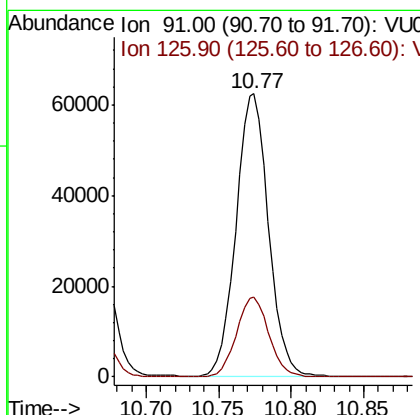
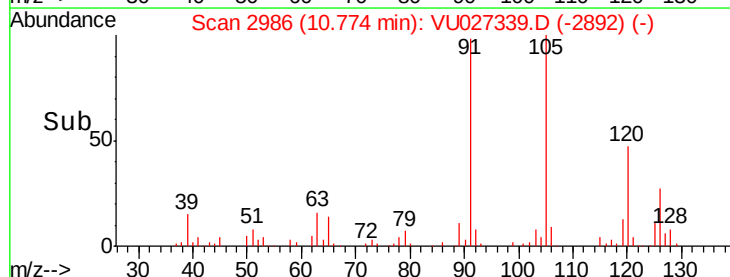
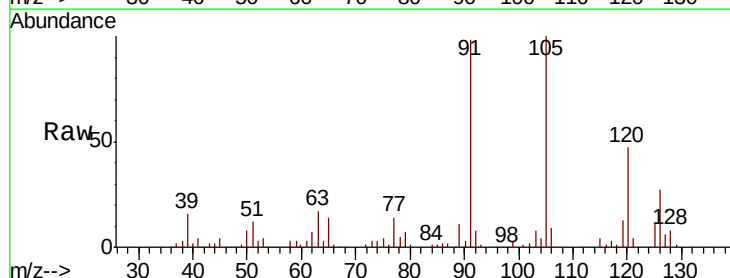
Manual Integrations
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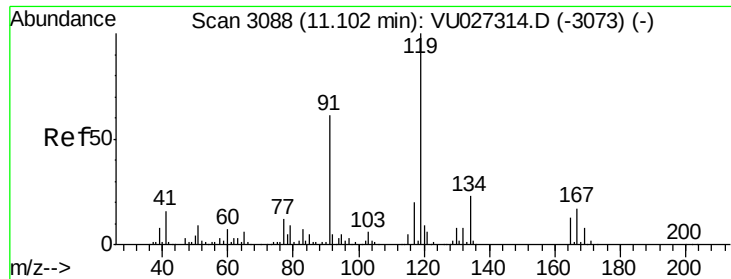
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.518 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.3	13.6	40.8





#83

tert-Butylbenzene

Concen: 19.924 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

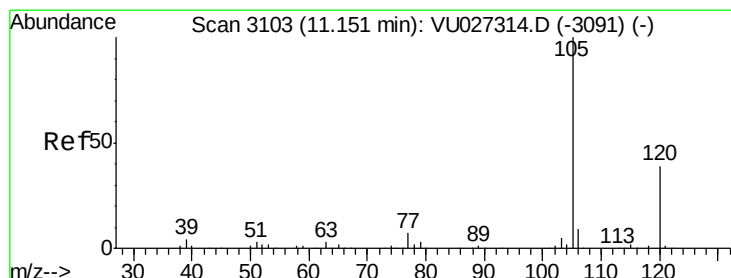
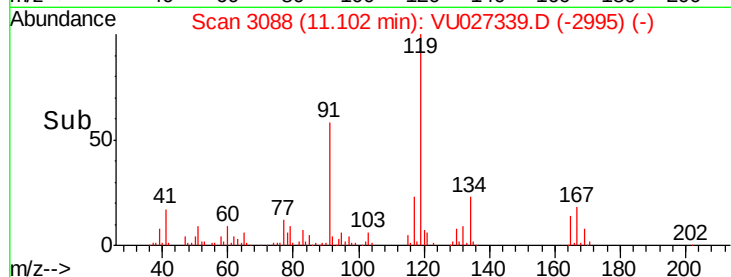
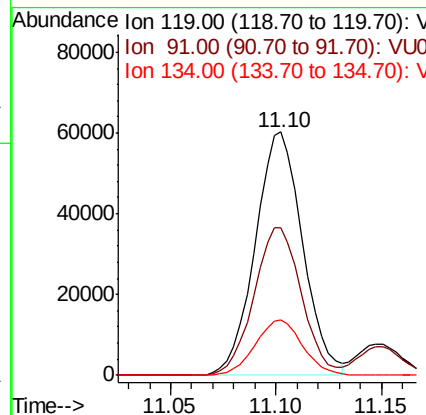
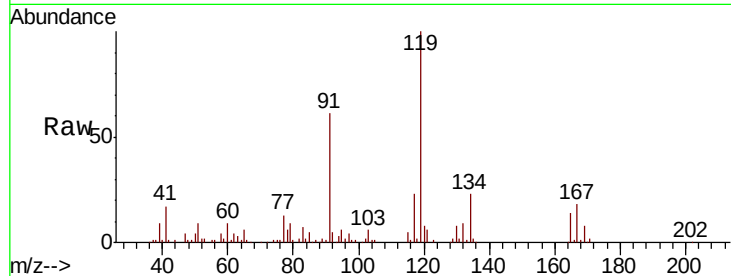
ClientSampleId :

VU1002WBSD01

Tot Ion:	119	Resp:	93927
Ion Ratio	Lower	Upper	
119	100		
91	60.9	30.3	91.0
134	22.6	11.5	34.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.009 ug/l

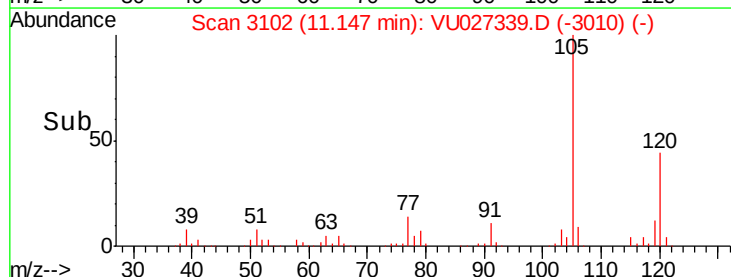
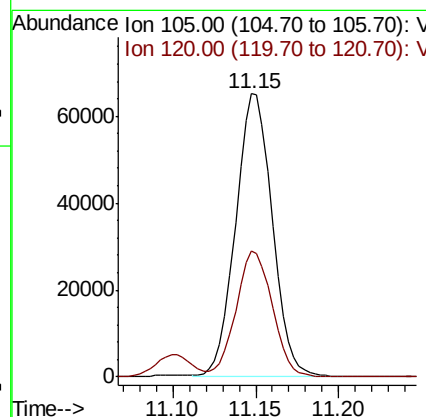
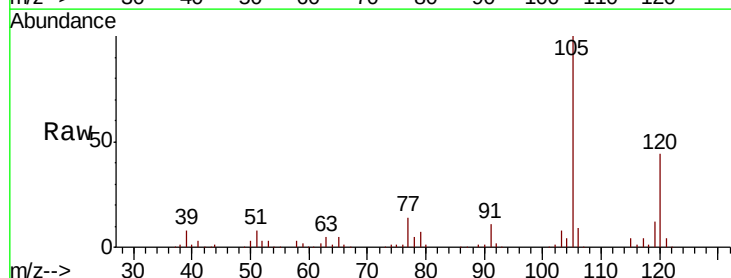
RT: 11.15 min Scan# 3102

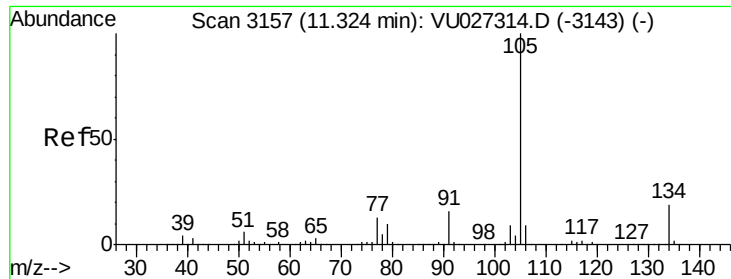
Delta R.T. -0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Tgt Ion:	105	Resp:	99669
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.722 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion:105 Resp: 117146

Ion Ratio Lower Upper

105 100

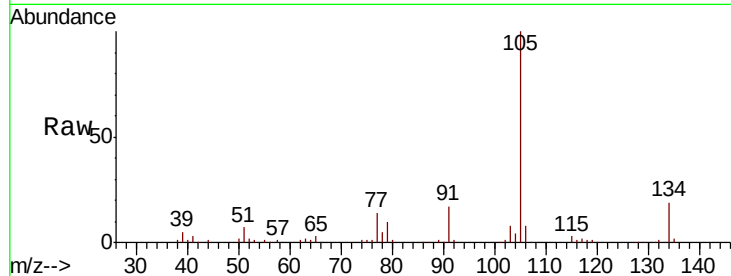
134 18.9 9.6 28.6

Manual Integrations

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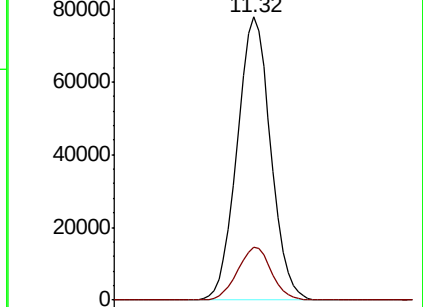
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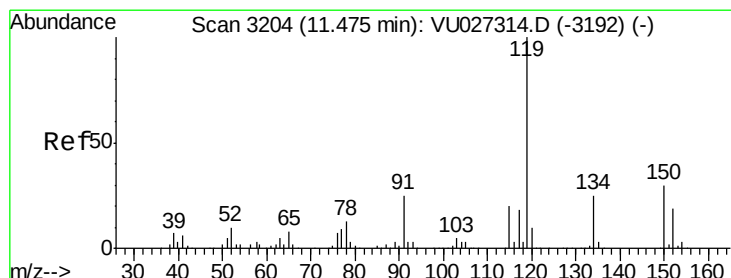
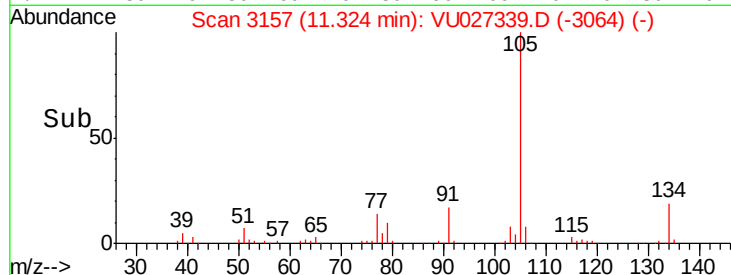


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 19.520 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

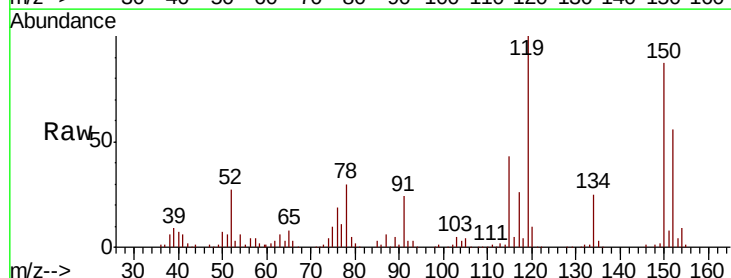
Tgt Ion:119 Resp: 99272

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

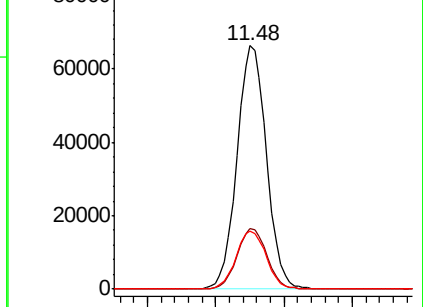
91 24.5 12.2 36.4



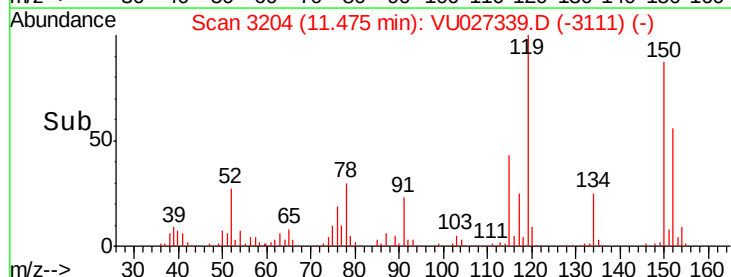
Abundance Ion 119.00 (118.70 to 119.70): V

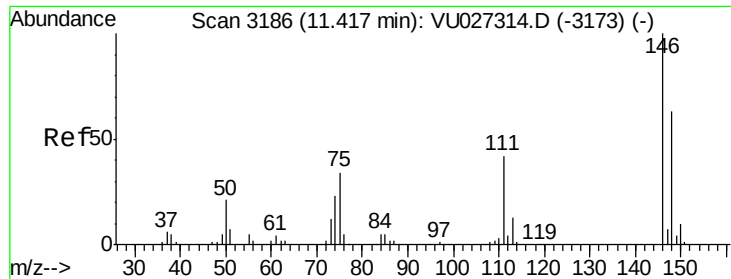
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





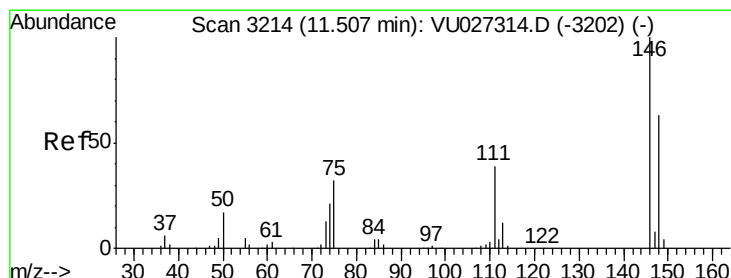
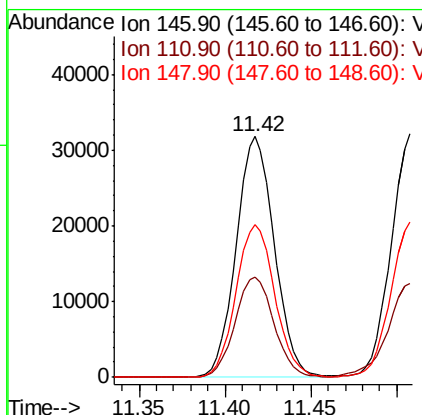
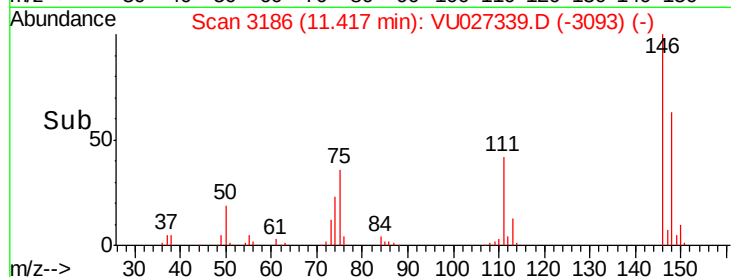
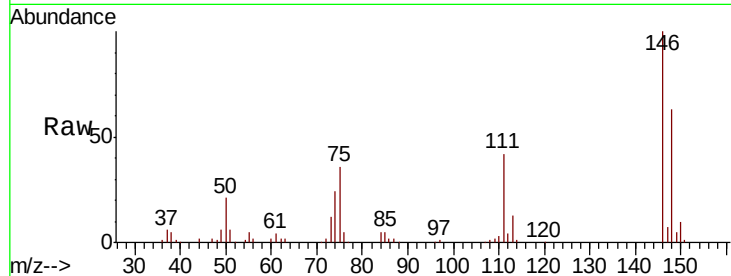
#87
 1,3-Dichlorobenzene
 Concen: 18.680 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.5
148	64.6	31.6	94.8

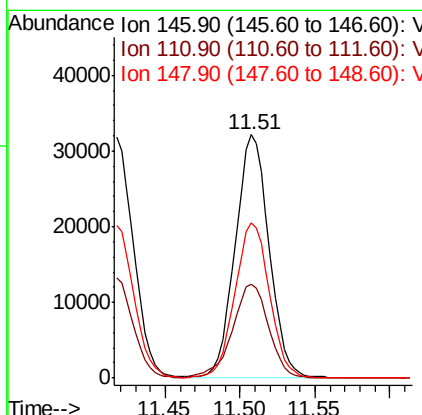
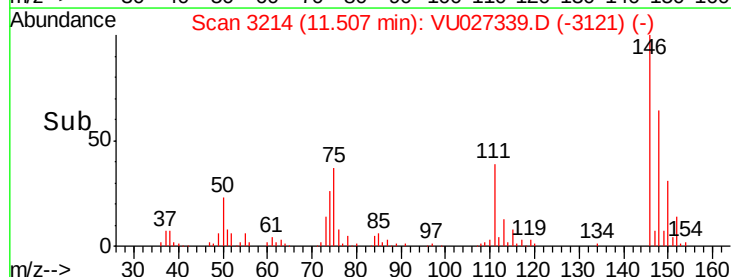
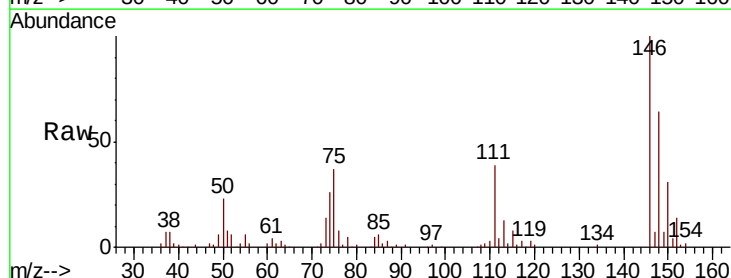
Manual Integrations
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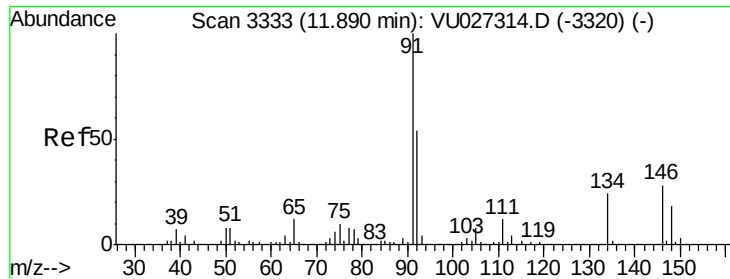
MMDadoda
 10/3/2018 6:14:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.823 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.2
148	65.3	31.9	95.5





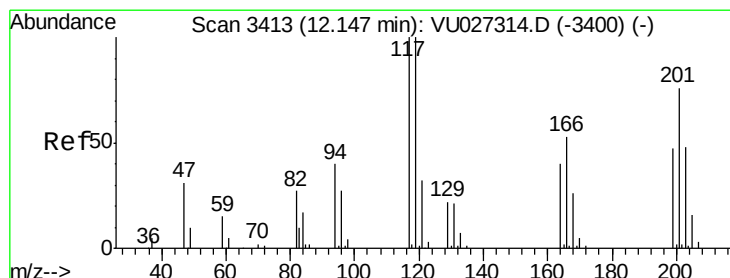
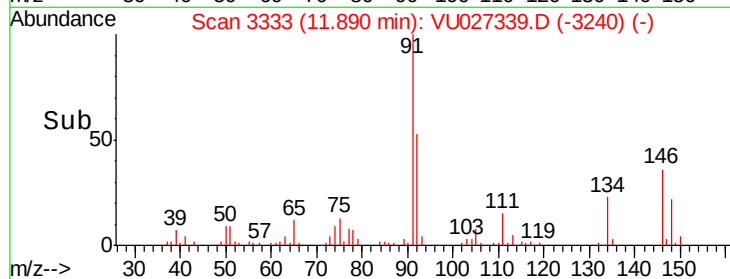
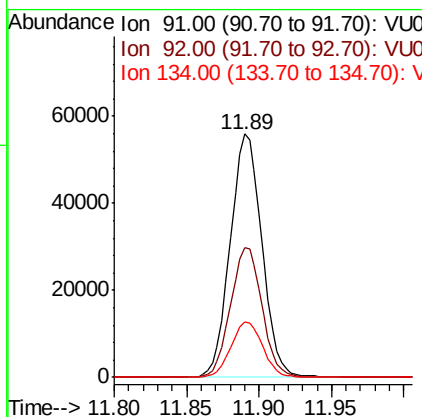
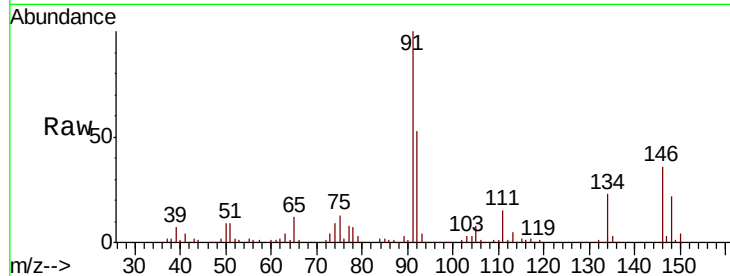
#89
n-Butylbenzene
Concen: 17.061 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.0	81.0
134	22.8	11.7	35.1

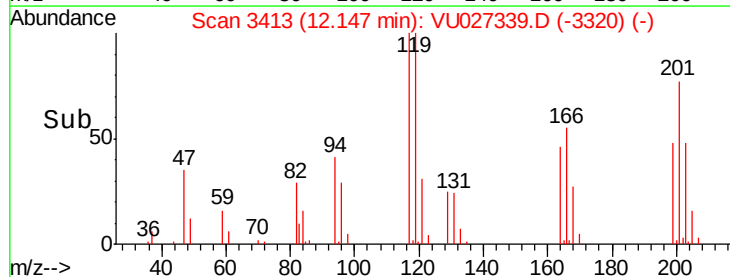
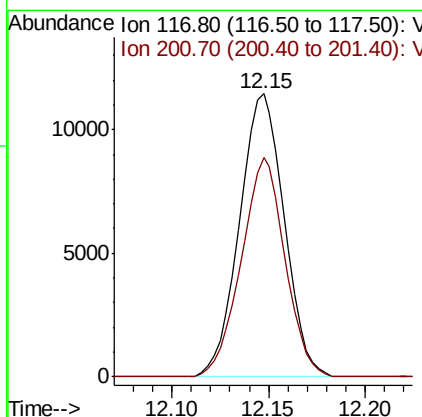
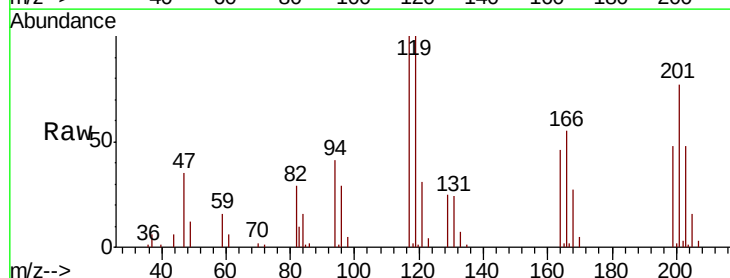
Manual Integrations
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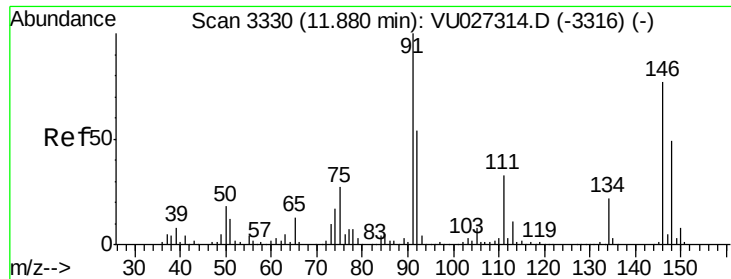
MMDadoda
10/3/2018 6:14:44 PM



#90
Hexachloroethane
Concen: 19.250 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 19.397 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBSD01

Tot Ion:146 Resp: 49768

Ion Ratio Lower Upper

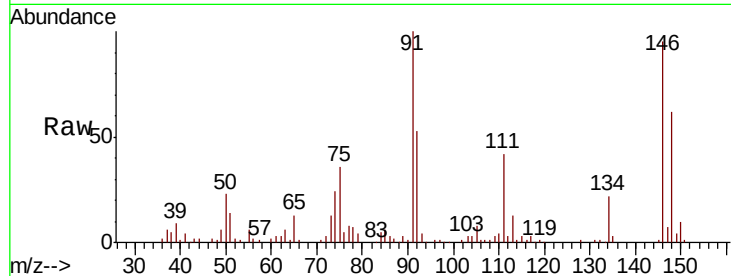
146 100

111 43.9 21.8 65.4

148 64.4 31.9 95.5

Manual Integrations
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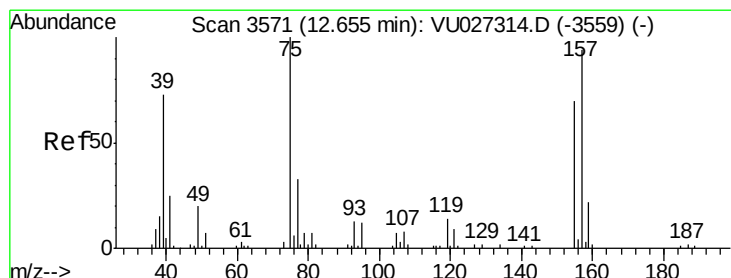
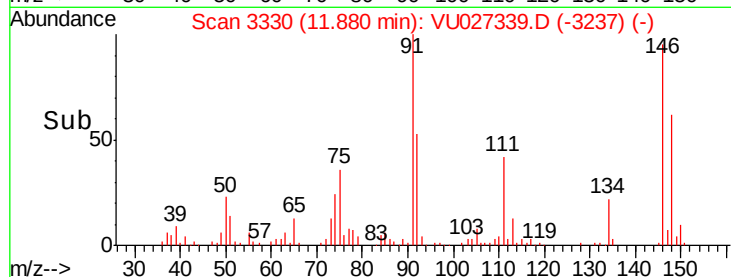
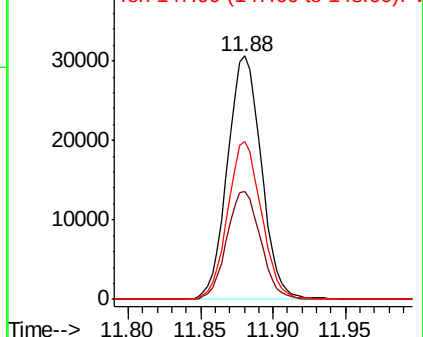


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.641 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027339.D

Acq: 02 Oct 2018 11:04

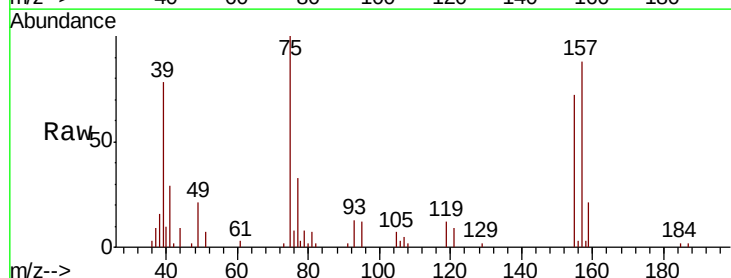
Tgt Ion: 75 Resp: 10759

Ion Ratio Lower Upper

75 100

155 72.6 35.9 107.8

157 89.9 46.9 140.6

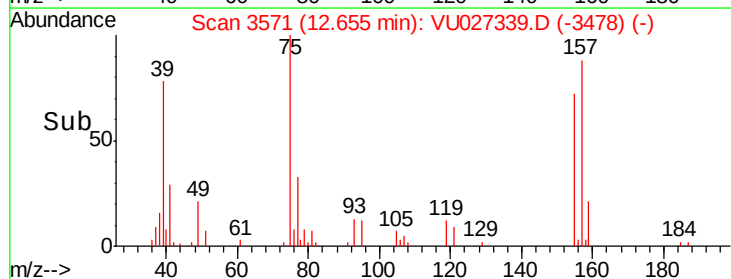
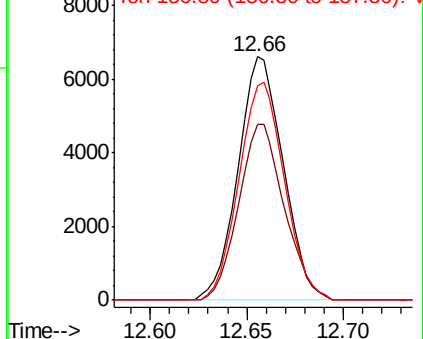


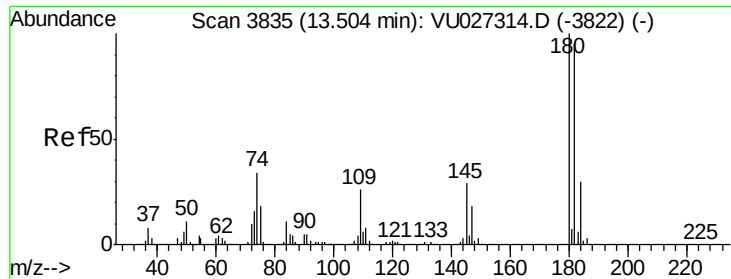
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





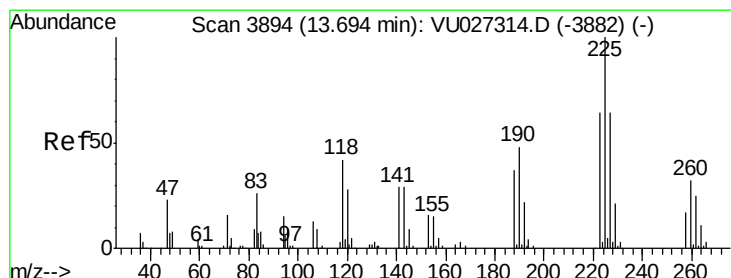
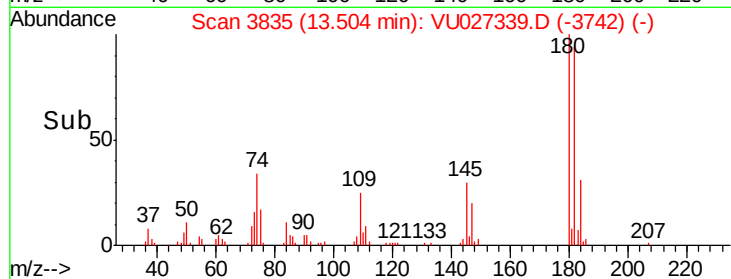
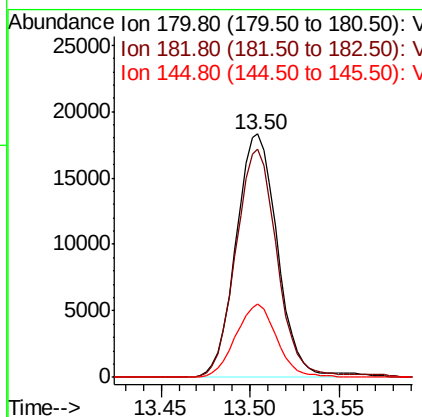
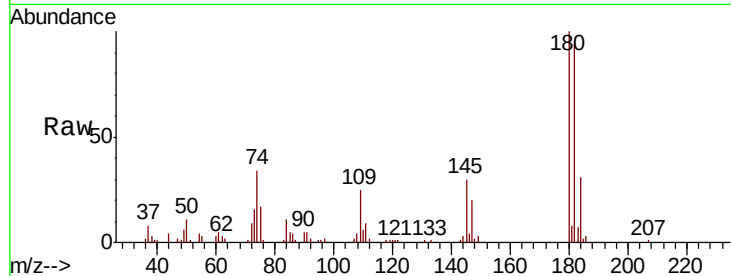
#93
 1,2,4-Trichlorobenzene
 Concen: 17.728 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.4	142.3
145	29.9	14.6	44.0

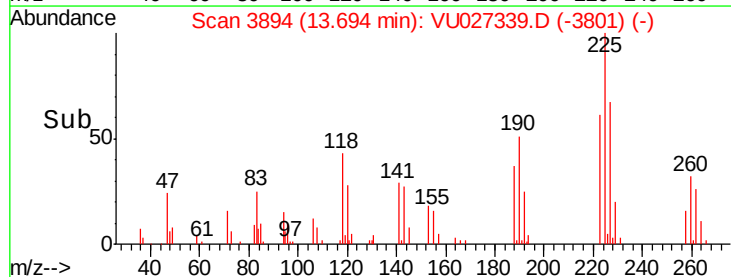
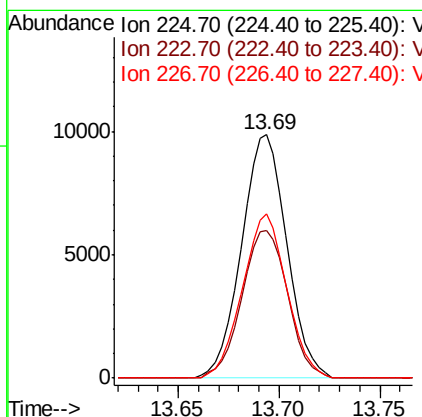
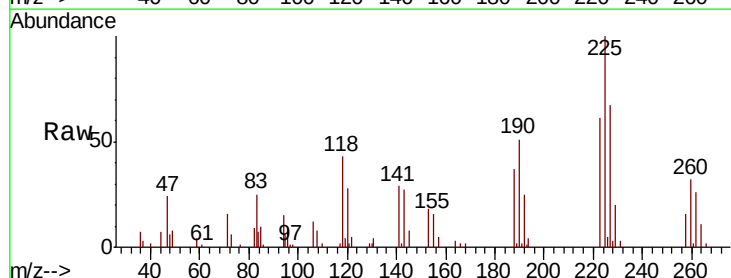
Manual Integrations
 APPROVED

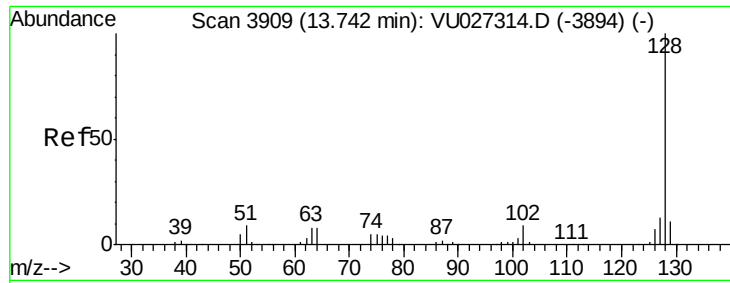
MMDadoda
 10/3/2018 6:14:44 PM



#94
 Hexachlorobutadiene
 Concen: 18.496 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027339.D
 Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.8	95.3
227	65.8	31.9	95.7





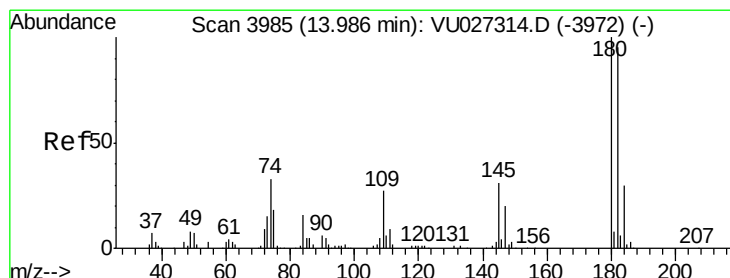
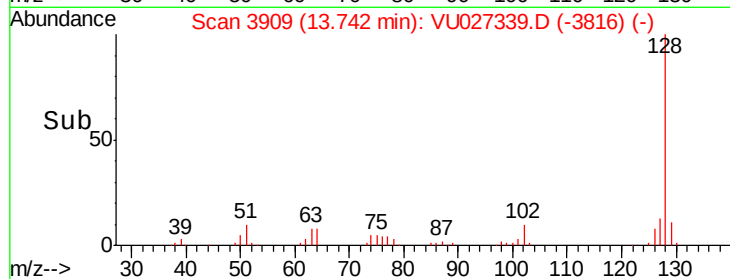
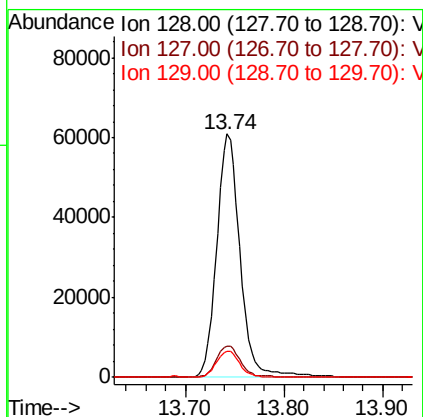
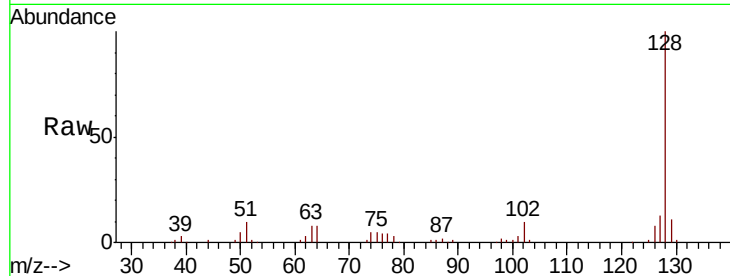
#95
Naphthalene
Concen: 17.416 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/3/2018 6:14:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.505 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027339.D
Acq: 02 Oct 2018 11:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	31.3	15.9	47.7

