

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027333.D
 Acq On : 01 Oct 2018 21:06
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:48 AM

Quant Time: Oct 02 08:13:50 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	4.98	168	114384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	195524	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	186716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	92784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	93354	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	4.88	113	65843	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	7.57	98	255479	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	10.31	95	94391	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	87286	52.930	ug/l	100
3) Chloromethane	1.33	50	104734	46.911	ug/l	98
4) Vinyl Chloride	1.40	62	105735	50.380	ug/l	98
5) Bromomethane	1.61	94	41915	46.155	ug/l	98
6) Chloroethane	1.69	64	58849	46.663	ug/l	98
7) Trichlorofluoromethane	1.88	101	109885	51.602	ug/l	99
8) Diethyl Ether	2.10	74	49194	50.150	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	63410	51.275	ug/l	98
10) Methyl Iodide	2.41	142	36403	36.364	ug/l	99
11) Tert butyl alcohol	2.83	59	101356	251.993	ug/l	98
12) 1,1-Dichloroethene	2.28	96	59491	49.238	ug/l	95
13) Acrolein	2.19	56	79257	234.834	ug/l	99
14) Allyl chloride	2.59	41	141768	49.411	ug/l	98
15) Acrylonitrile	2.94	53	278876	266.392	ug/l	100
16) Acetone	2.32	43	246406	218.375	ug/l	100
17) Carbon Disulfide	2.48	76	205030	47.051	ug/l	99
18) Methyl Acetate	2.62	43	134521	52.260	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	246342	50.884	ug/l	99
20) Methylene Chloride	2.70	84	76554	48.706	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	66834	49.270	ug/l	96
22) Diisopropyl ether	3.57	45	305999	52.473	ug/l	99
23) Vinyl Acetate	3.52	43	1354921	266.048	ug/l	99
24) 1,1-Dichloroethane	3.45	63	155703	51.937	ug/l	99
25) 2-Butanone	4.26	43	400660	260.389	ug/l	100
26) 2,2-Dichloropropane	4.23	77	113036	45.887	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	77640	50.049	ug/l	99
28) Bromochloromethane	4.55	49	77231	53.397	ug/l	99
29) Tetrahydrofuran	4.64	42	263003	271.219	ug/l	99
30) Chloroform	4.67	83	138272	51.913	ug/l	100
31) Cyclohexane	5.00	56	145423	47.460	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	114482	51.034	ug/l	99
36) 1,1-Dichloropropene	5.14	75	104847	49.387	ug/l	99
37) Ethyl Acetate	4.38	43	146318	53.329	ug/l	98
38) Carbon Tetrachloride	5.13	117	95733	49.921	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	122694	49.441	ug/l	100
40) Benzene	5.39	78	311455	50.365	ug/l	100
41) Methacrylonitrile	4.54	41	82556	53.235	ug/l	98
42) 1,2-Dichloroethane	5.40	62	118996	51.841	ug/l	100
43) Isopropyl Acetate	5.55	43	228893	53.715	ug/l	100
44) Trichloroethene	6.19	130	68395	49.601	ug/l	99
45) 1,2-Dichloropropane	6.43	63	92940	52.107	ug/l	96
46) Dibromomethane	6.56	93	53055	52.667	ug/l	99
47) Bromodichloromethane	6.76	83	107460	51.409	ug/l	99
48) Methyl methacrylate	6.62	41	115340	54.429	ug/l	99
49) 1,4-Dioxane	6.61	88	37832	1037.623	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	766985	276.988	ug/l	99
52) Toluene	7.64	92	188107	51.392	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	125761	51.314	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	135271	51.342	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	75117	51.762	ug/l	100
56) Ethyl methacrylate	8.02	69	132240	47.694	ug/l	98
57) 1,3-Dichloropropane	8.24	76	144368	51.245	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	370533	243.026	ug/l	100
59) 2-Hexanone	8.36	43	585751	272.697	ug/l	99
60) Dibromochloromethane	8.48	129	75911	52.155	ug/l	98
61) 1,2-Dibromoethane	8.59	107	79139	51.290	ug/l	100
64) Tetrachloroethene	8.23	164	56898	48.951	ug/l	99
65) Chlorobenzene	9.12	112	190634	48.505	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	69190	50.996	ug/l	98
67) Ethyl Benzene	9.25	91	352195	50.579	ug/l	99
68) m/p-Xylenes	9.38	106	260705	102.355	ug/l	100
69) o-Xylene	9.78	106	127464	52.661	ug/l	98
70) Styrene	9.79	104	209104	46.390	ug/l	99
71) Bromoform	9.96	173	55435	50.783	ug/l #	99
73) Isopropylbenzene	10.17	105	341632	50.697	ug/l	99
74) N-amyl acetate	10.02	43	205142	53.176	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	133480	50.445	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	120397m	50.057	ug/l	
77) Bromobenzene	10.45	156	77870	49.722	ug/l	99
78) n-propylbenzene	10.59	91	413352	51.047	ug/l	100
79) 2-Chlorotoluene	10.66	91	242408	49.581	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	283771	51.723	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	35484m	38.611	ug/l	
82) 4-Chlorotoluene	10.77	91	279203	50.322	ug/l	100
83) tert-Butylbenzene	11.10	119	269474	50.807	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	292200	52.139	ug/l	99
85) sec-Butylbenzene	11.32	105	344481	51.548	ug/l	99
86) p-Isopropyltoluene	11.48	119	295405	51.628	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	142170	47.941	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	144384	47.646	ug/l	100
89) n-Butylbenzene	11.89	91	275152	45.498	ug/l	100
90) Hexachloroethane	12.15	117	53689	49.780	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	142496	49.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30379	51.803	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	94458	50.572	ug/l	99
94) Hexachlorobutadiene	13.69	225	45161	47.856	ug/l	100
95) Naphthalene	13.74	128	331530	47.353	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	96759	49.724	ug/l	98

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

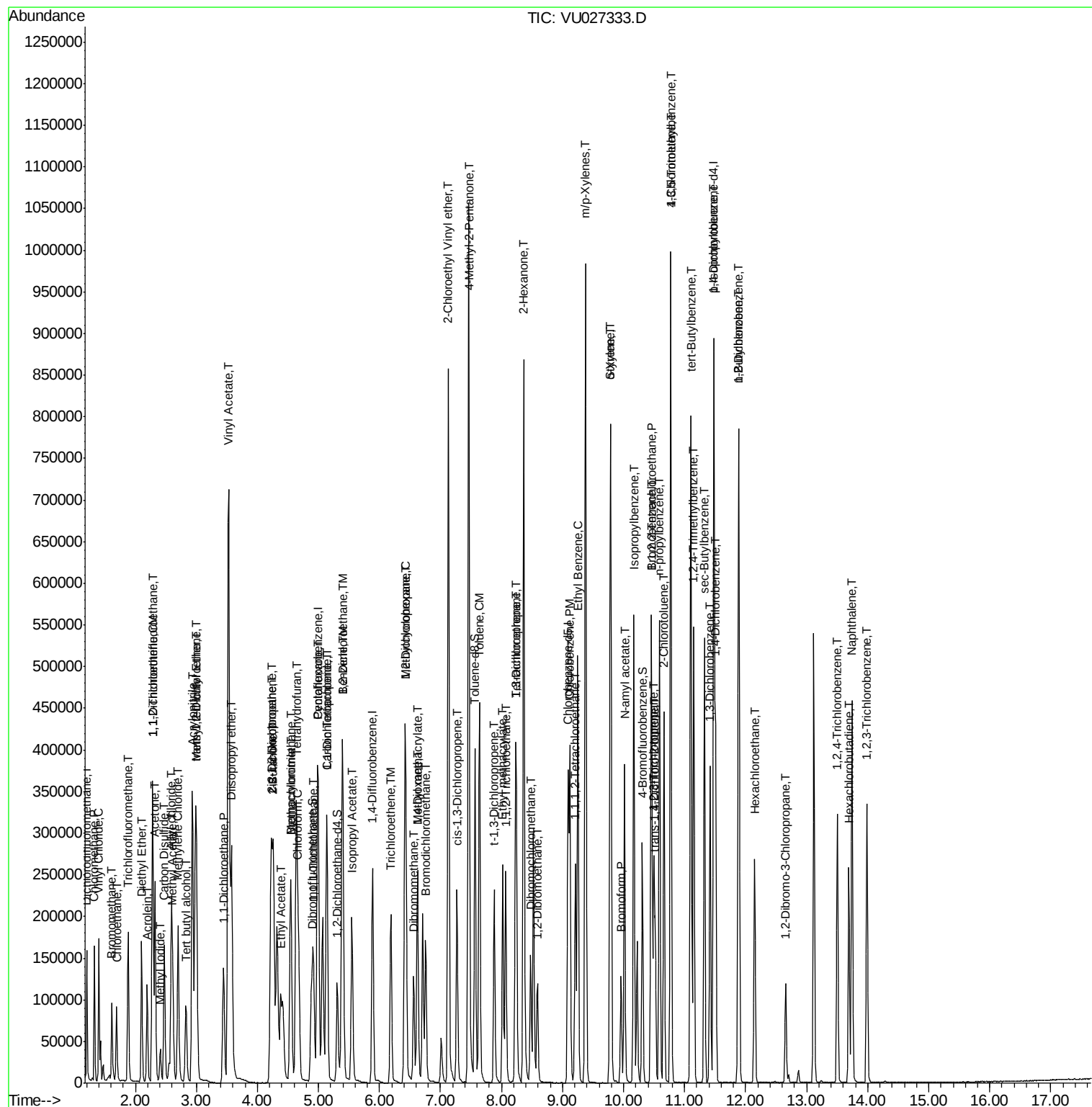
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Operator : MD/SY
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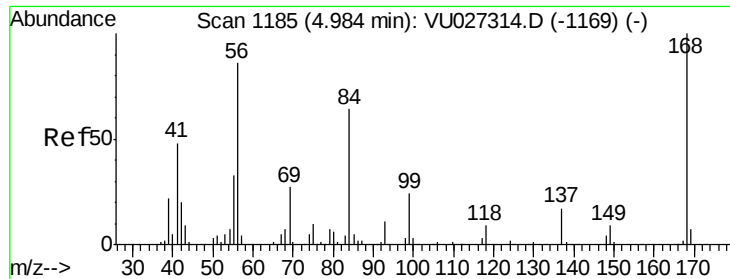
Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 114384

Ion Ratio Lower Upper

168 100

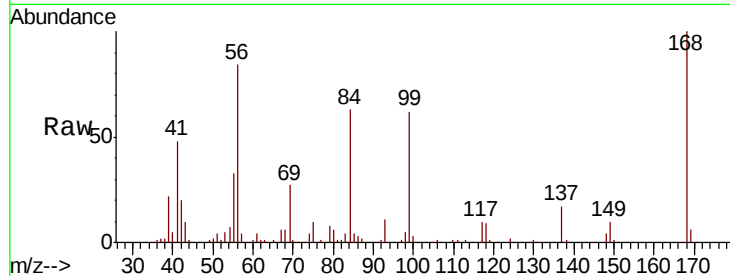
99 60.9 50.8 76.2

Manual Integrations

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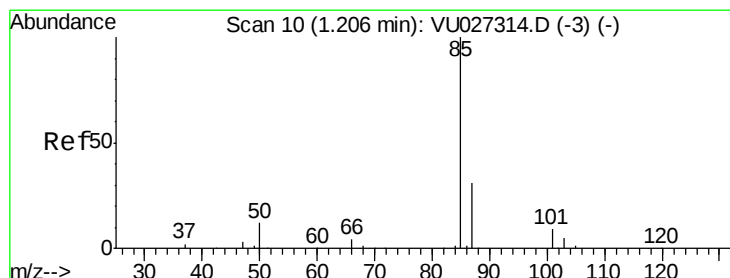
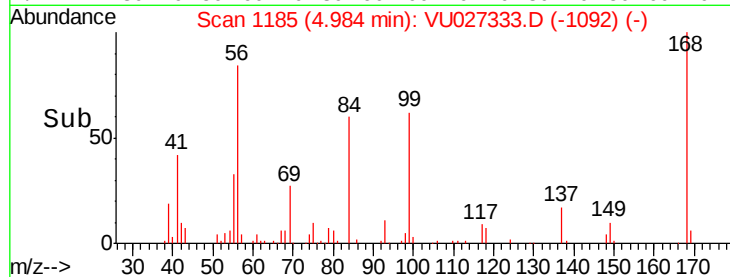


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

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

4.98

Time-->



#2

Dichlorodifluoromethane

Concen: 52.930 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027333.D

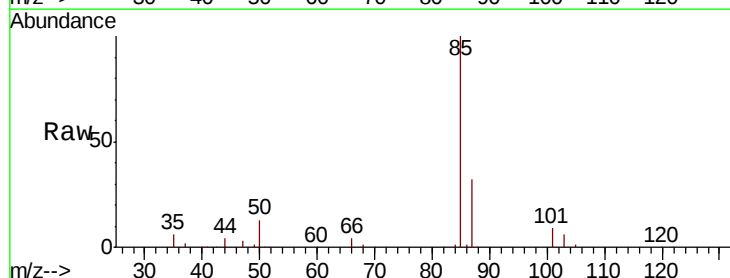
Acq: 01 Oct 2018 21:06

Tgt Ion: 85 Resp: 87286

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.1

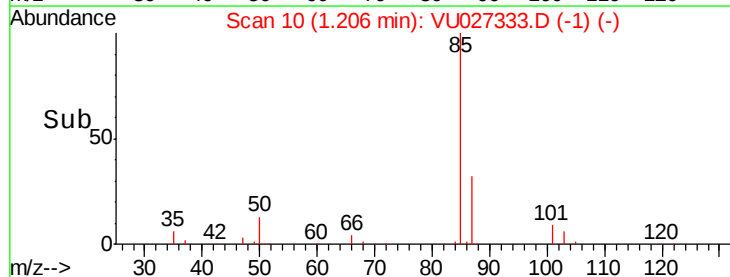


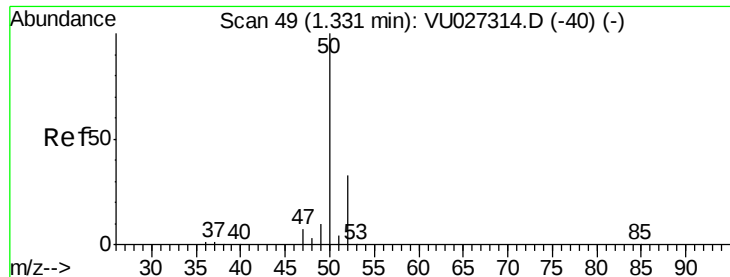
Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

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

1.21

Time-->





#3

Chloromethane

Concen: 46.911 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 104734

Ion Ratio Lower Upper

50 100

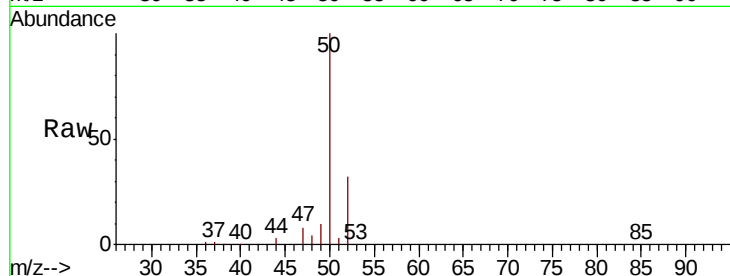
52 32.0 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU027333.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU027333.D (-1) (-)

1.33

100000

80000

60000

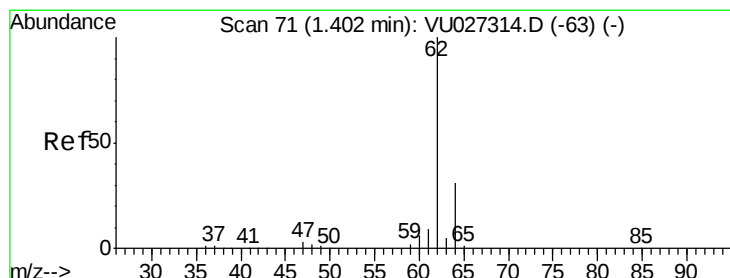
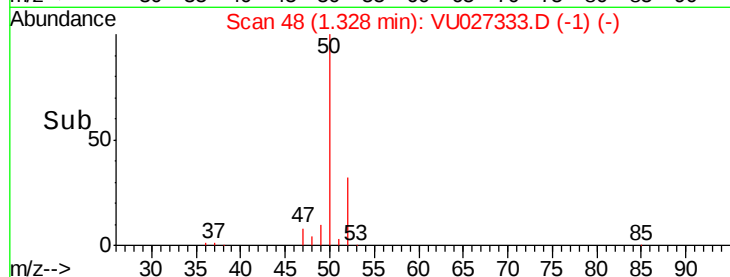
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 50.380 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027333.D

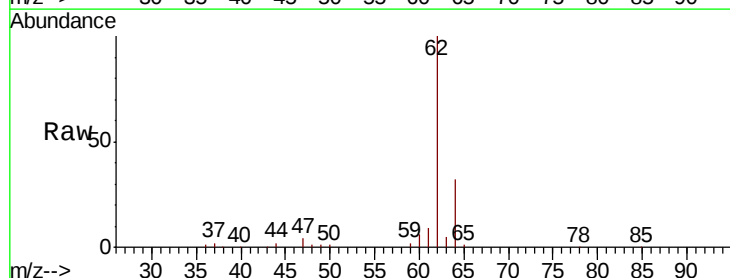
Acq: 01 Oct 2018 21:06

Tgt Ion: 62 Resp: 105735

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027333.D (-1) (-)

Ion 63.90 (63.60 to 64.60): VU027333.D (-1) (-)

1.40

120000

100000

80000

60000

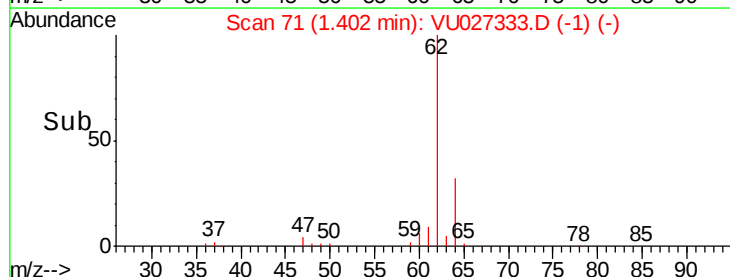
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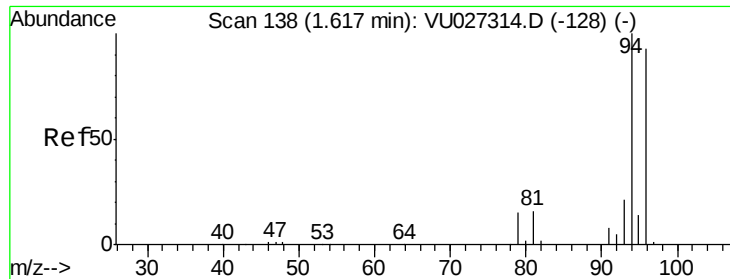
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 46.155 ug/l

RT: 1.61 min Scan# 137

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 41915

Ion Ratio Lower Upper

94 100

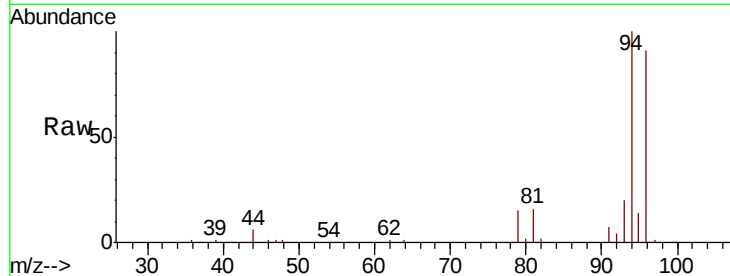
96 91.5 74.6 111.8

Manual Integrations

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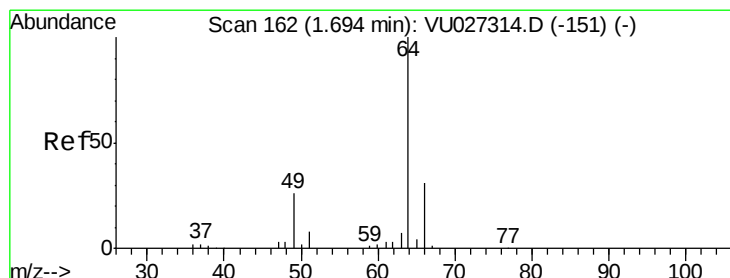
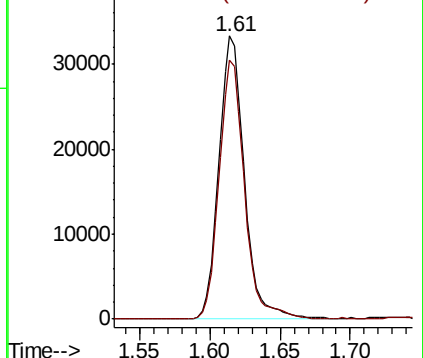
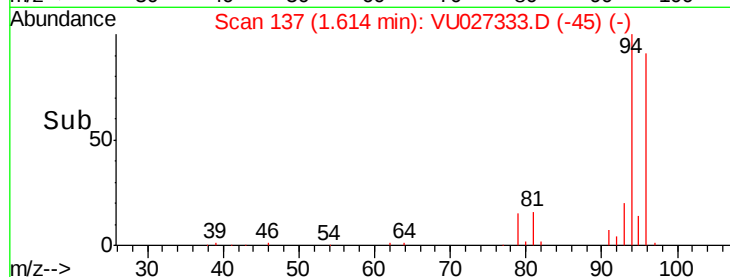
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Abundance Ion 93.90 (93.60 to 94.60): VU027314.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027333.D (-45) (-)



#6

Chloroethane

Concen: 46.663 ug/l

RT: 1.69 min Scan# 161

Delta R.T. -0.00 min

Lab File: VU027333.D

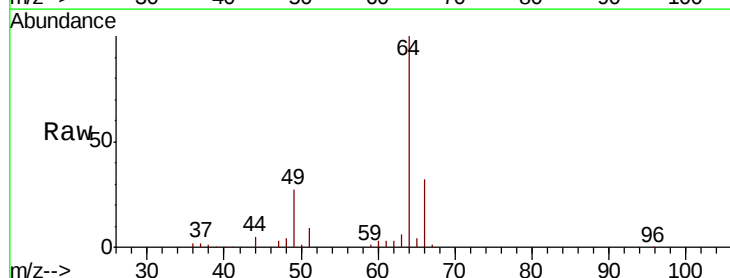
Acq: 01 Oct 2018 21:06

Tgt Ion: 64 Resp: 58849

Ion Ratio Lower Upper

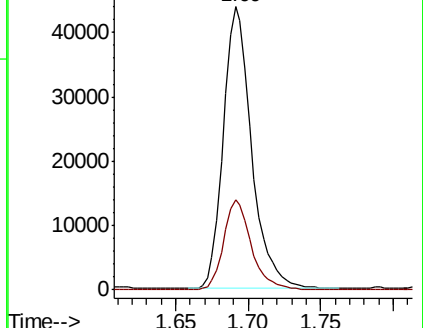
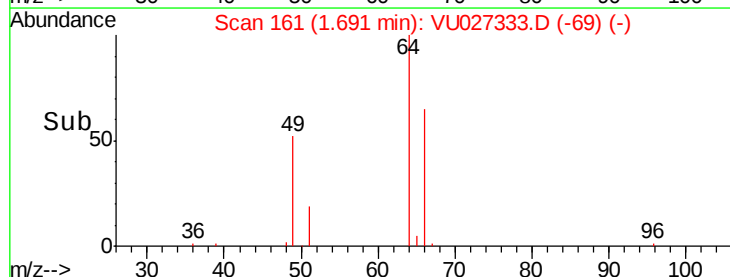
64 100

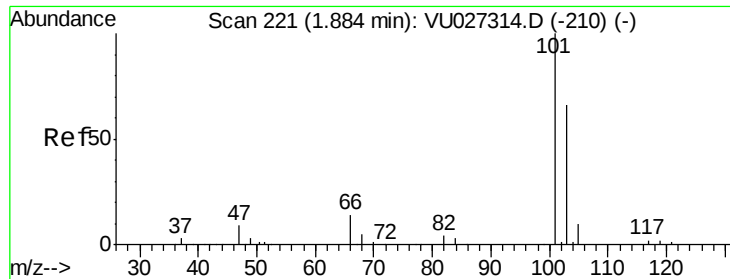
66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027333.D (-69) (-)





#7

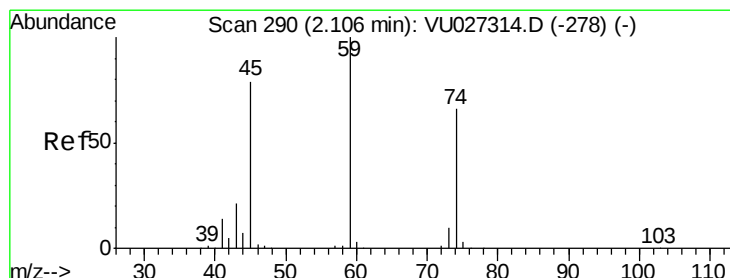
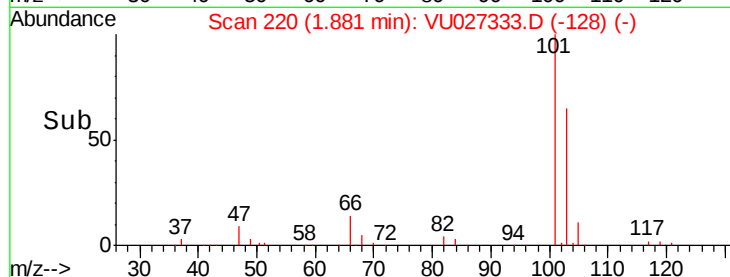
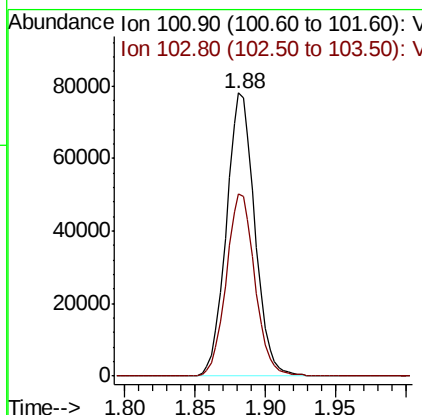
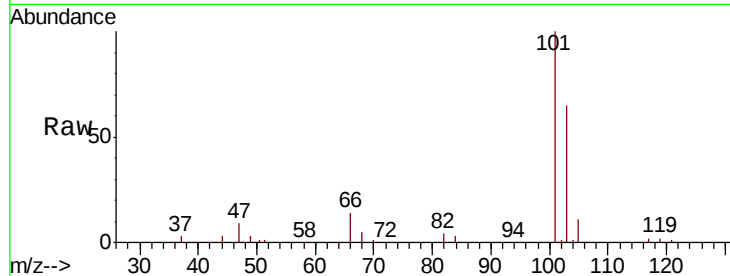
Trichlorofluoromethane
Concen: 51.602 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 109885
Ion Ratio Lower Upper
101 100
103 64.6 52.6 78.8

Manual Integrations
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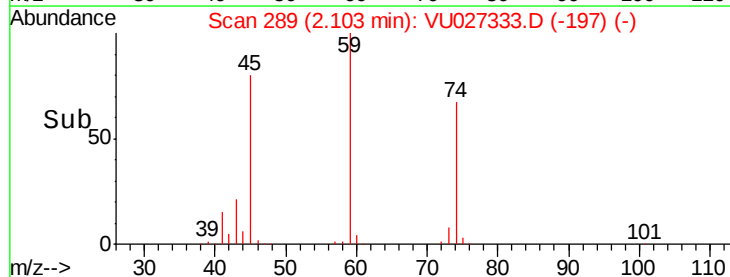
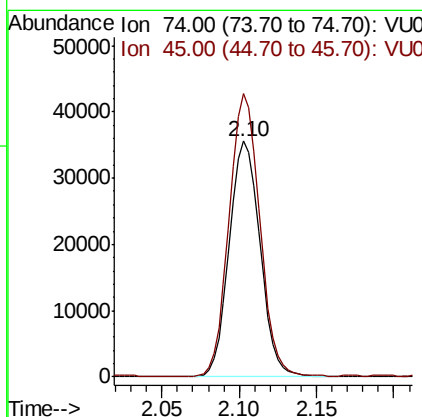
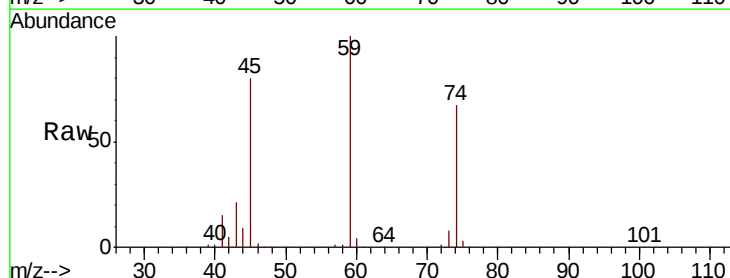
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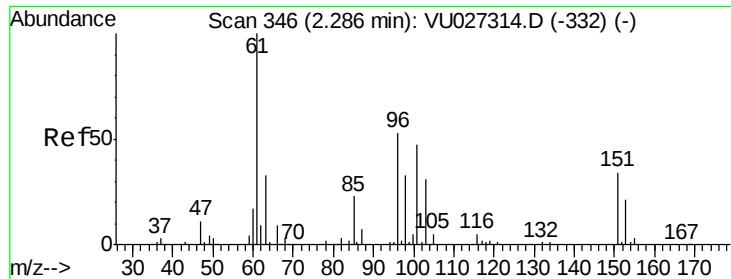


#8

Diethyl Ether
Concen: 50.150 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion: 74 Resp: 49194
Ion Ratio Lower Upper
74 100
45 119.7 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.275 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

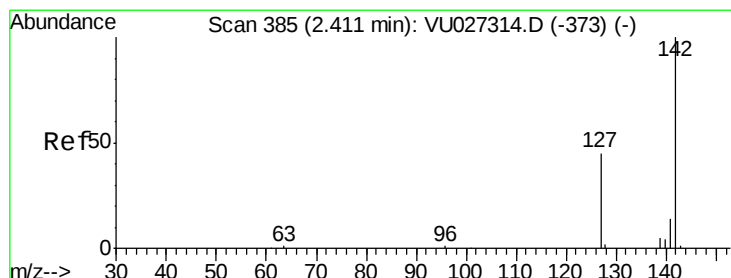
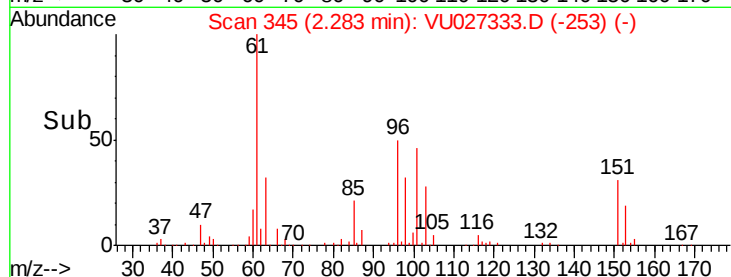
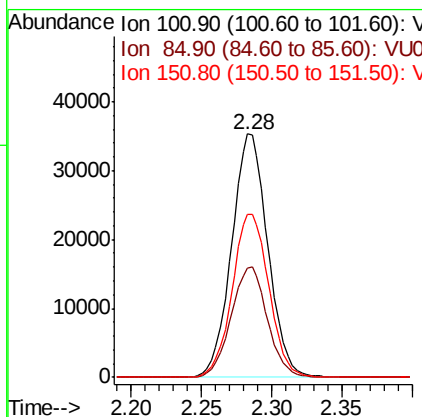
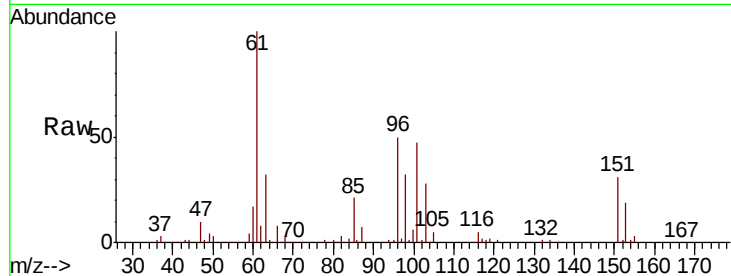
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	63410
Ion Ratio	Lower	Upper	
101	100		
85	45.2	37.5	56.3
151	67.9	55.6	83.4

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#10

Methyl Iodide

Concen: 36.364 ug/l

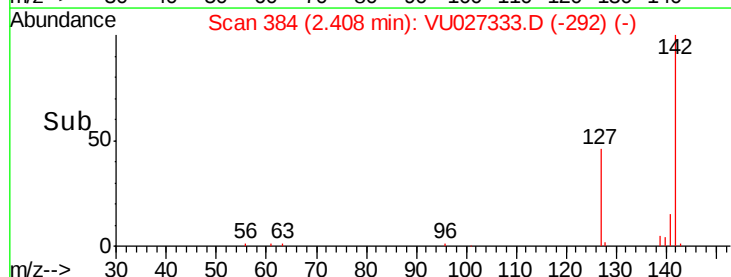
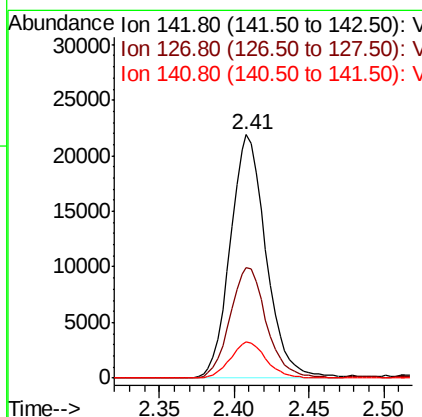
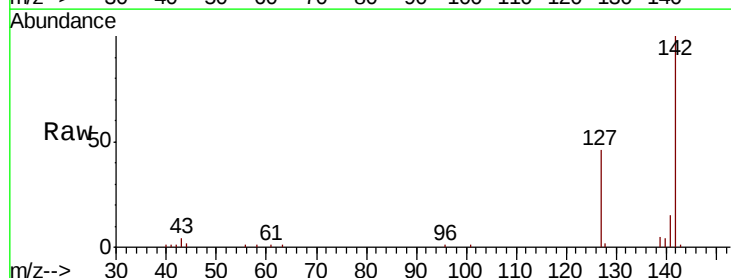
RT: 2.41 min Scan# 384

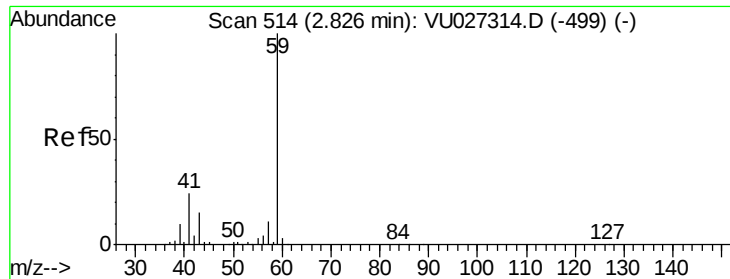
Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion:	142	Resp:	36403
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.3	54.5
141	14.6	11.6	17.4





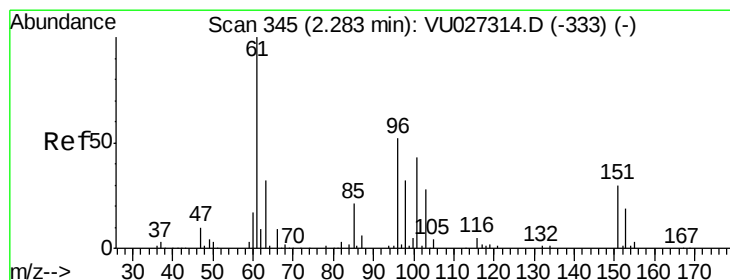
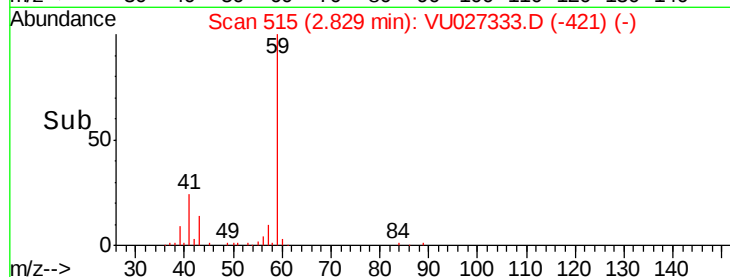
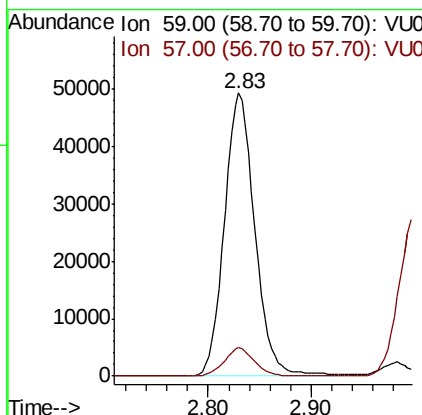
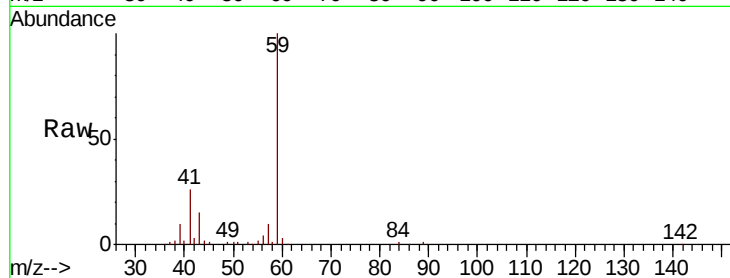
#11
Tert butyl alcohol
Concen: 251.993 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 101356
Ion Ratio Lower Upper
59 100
57 9.9 8.4 12.6

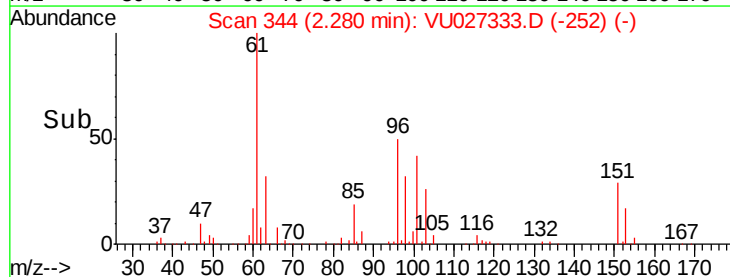
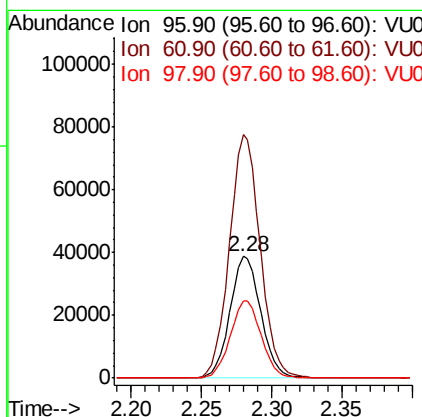
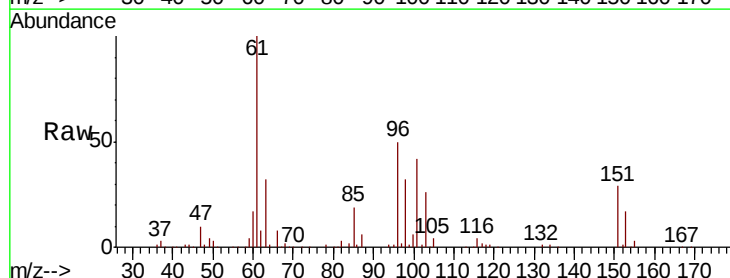
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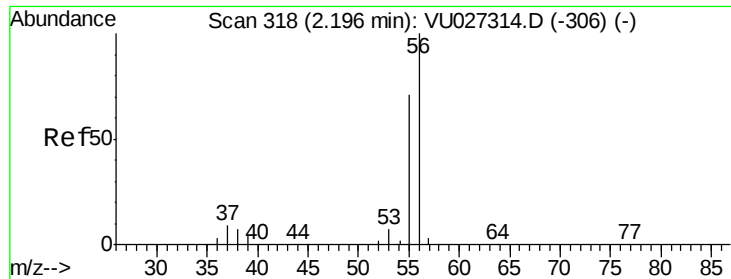
MMDadoda
10/3/2018 11:41:48 AM



#12
1,1-Dichloroethene
Concen: 49.238 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion: 96 Resp: 59491
Ion Ratio Lower Upper
96 100
61 200.5 153.0 229.6
98 63.3 49.3 73.9





#13

Acrolein

Concen: 234.834 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 79257

Ion Ratio Lower Upper

56 100

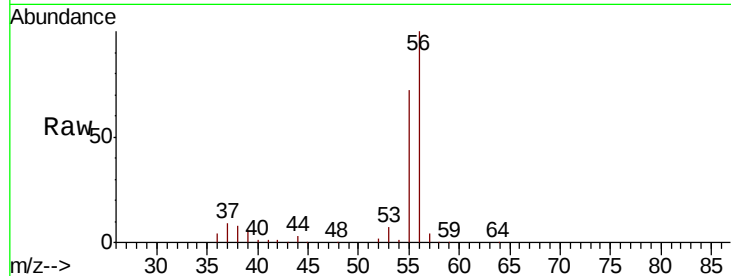
55 71.6 57.7 86.5

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

2.19

60000

50000

40000

30000

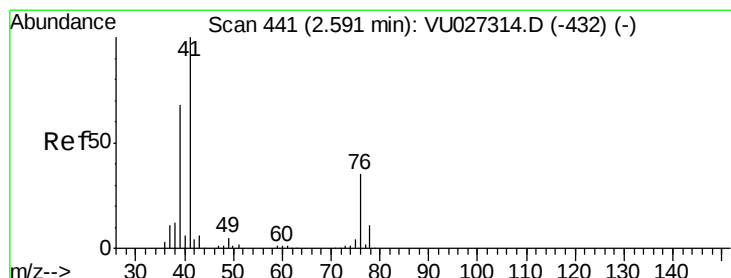
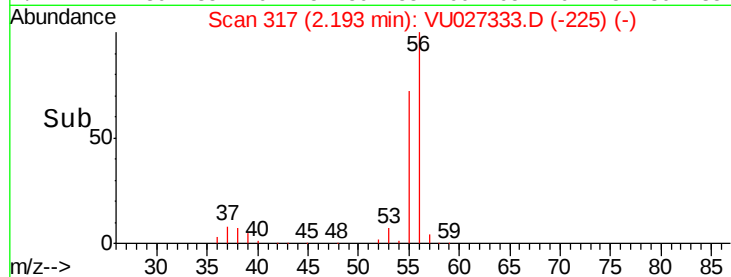
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#14

Allyl chloride

Concen: 49.411 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

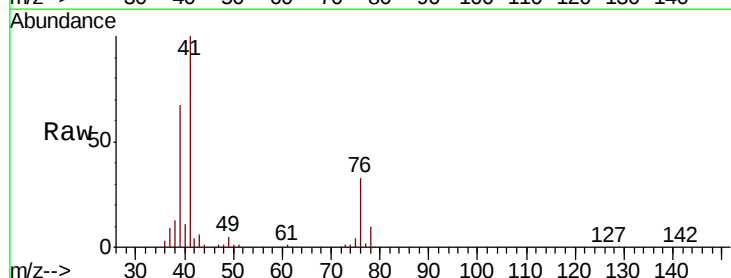
Tgt Ion: 41 Resp: 141768

Ion Ratio Lower Upper

41 100

39 66.8 51.8 77.8

76 31.7 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

2.59

100000

80000

60000

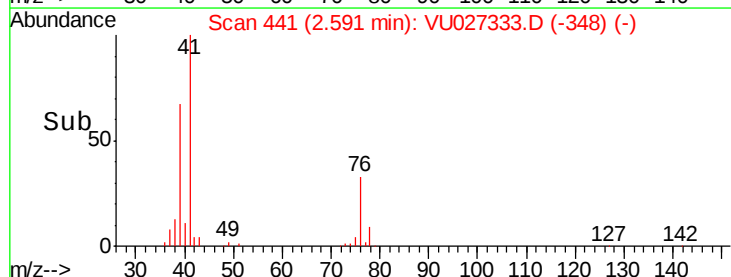
40000

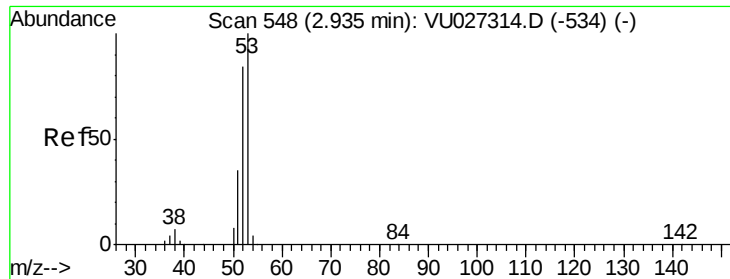
20000

0

Time-->

2.55 2.60 2.65





#15

Acrylonitrile

Concen: 266.392 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

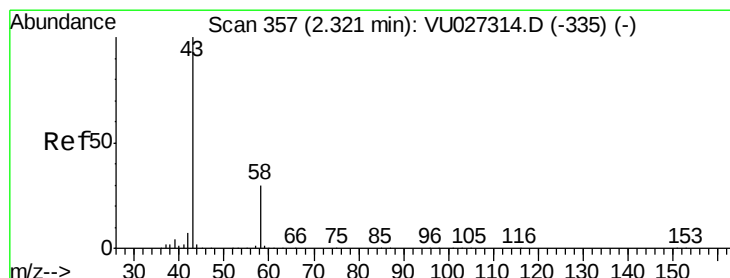
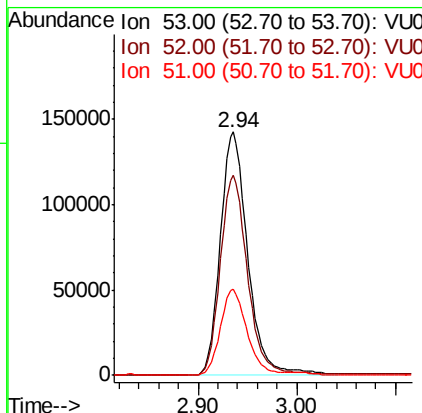
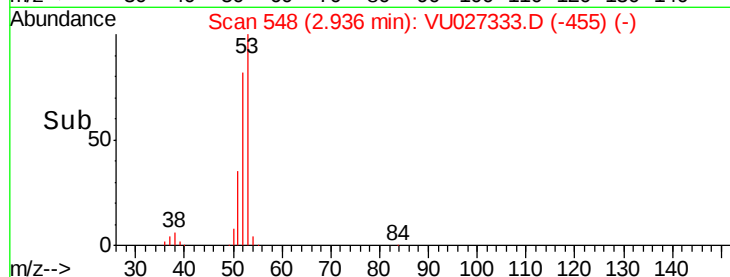
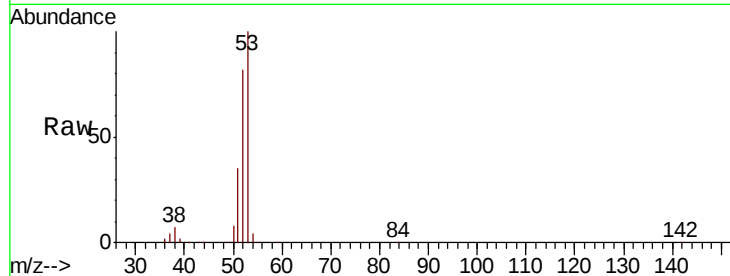
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	278876
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	34.5	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 218.375 ug/l

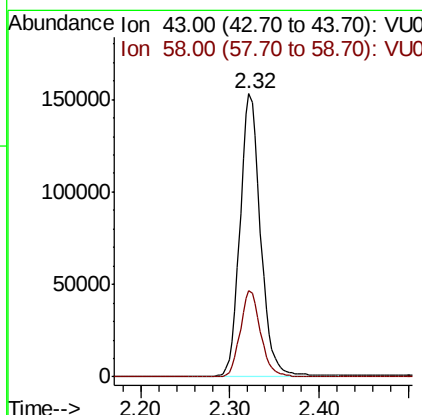
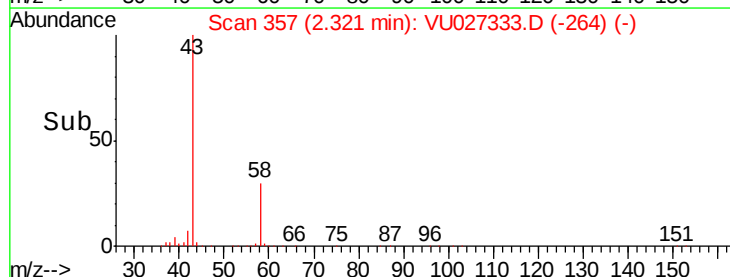
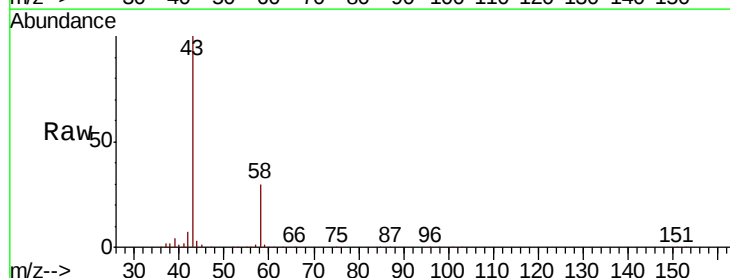
RT: 2.32 min Scan# 357

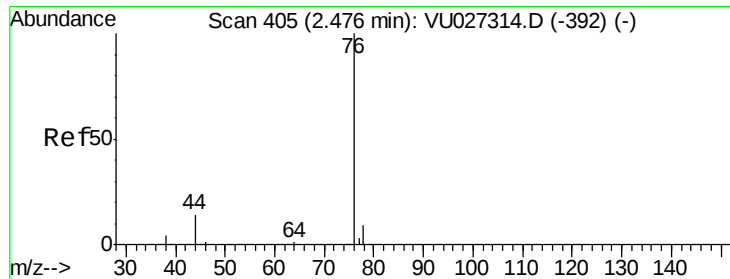
Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion:	43	Resp:	246406
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





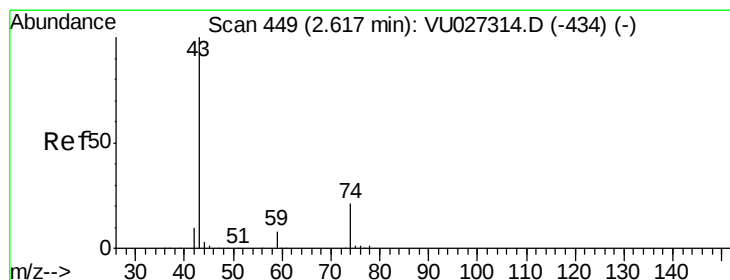
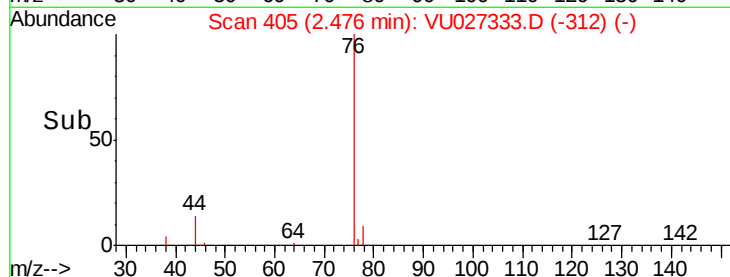
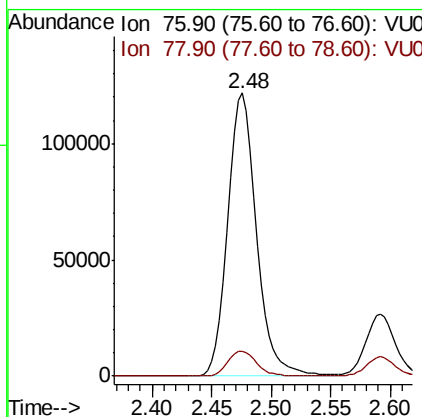
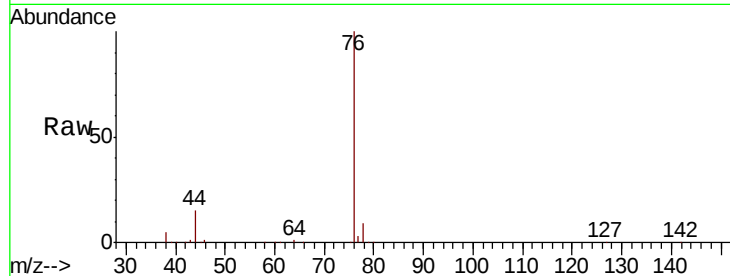
#17
Carbon Disulfide
Concen: 47.051 ug/l
RT: 2.48 min Scan# 405
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

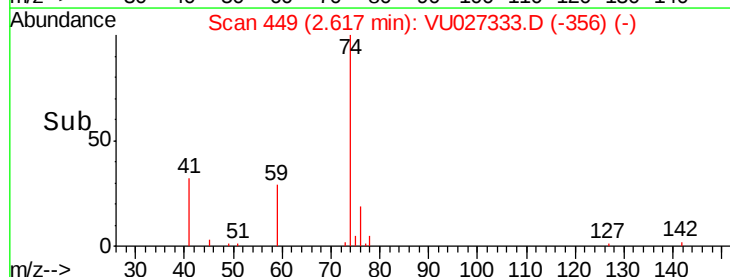
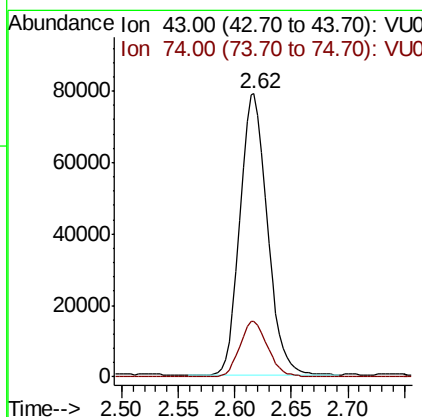
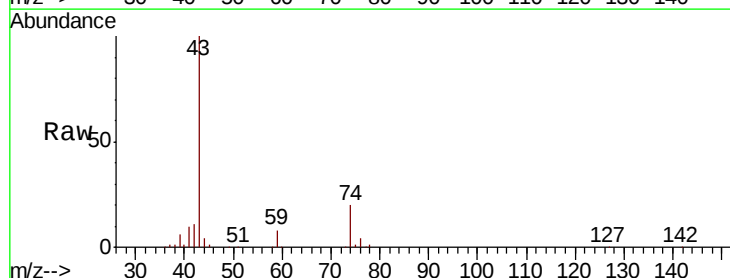
Manual Integrations
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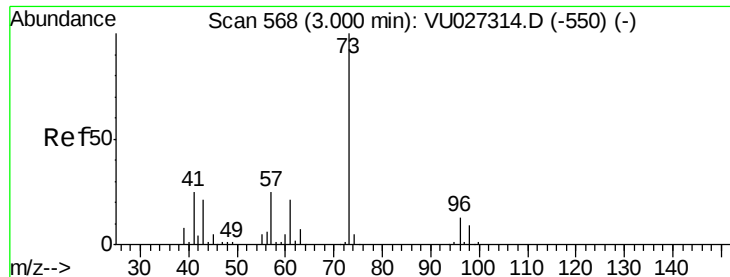
MMDadoda
10/3/2018 11:41:48 AM



#18
Methyl Acetate
Concen: 52.260 ug/l
RT: 2.62 min Scan# 449
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	16.5	24.7





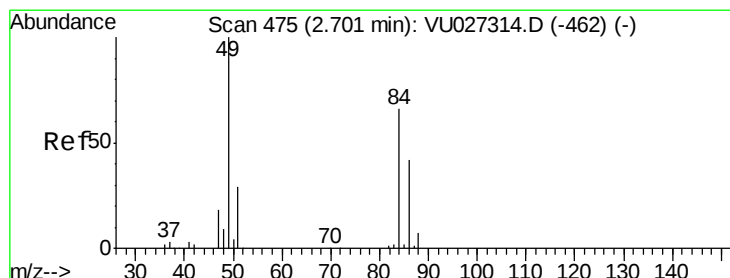
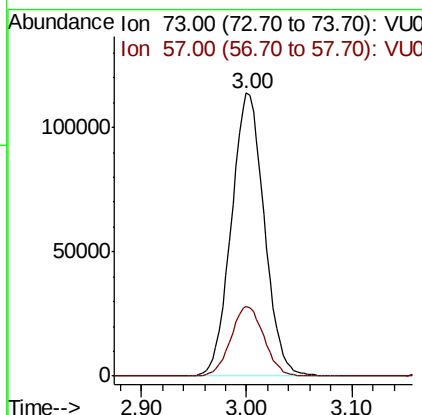
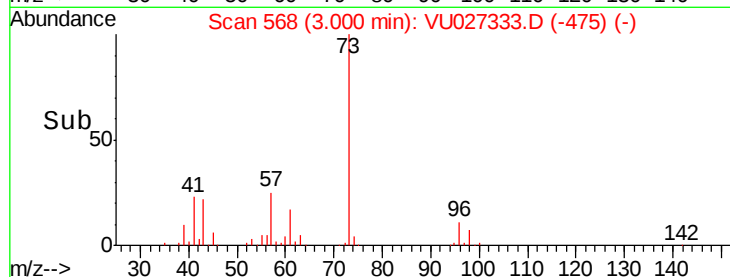
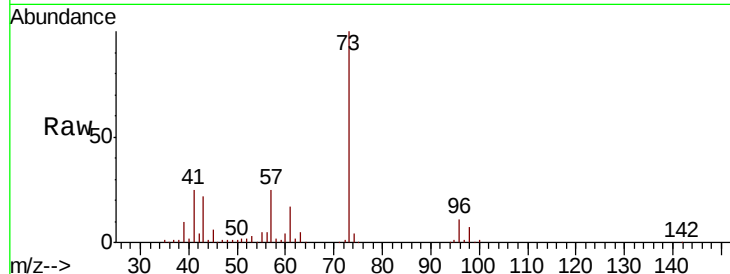
#19
Methyl tert-butyl Ether
Concen: 50.884 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 246342
Ion Ratio Lower Upper
73 100
57 24.7 20.0 30.0

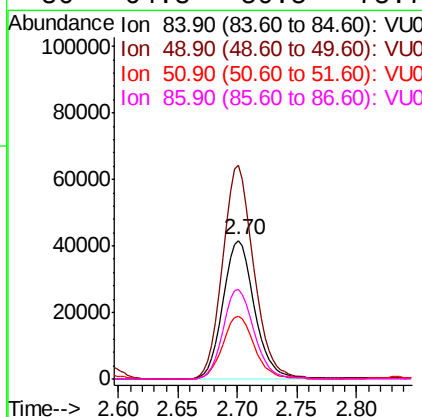
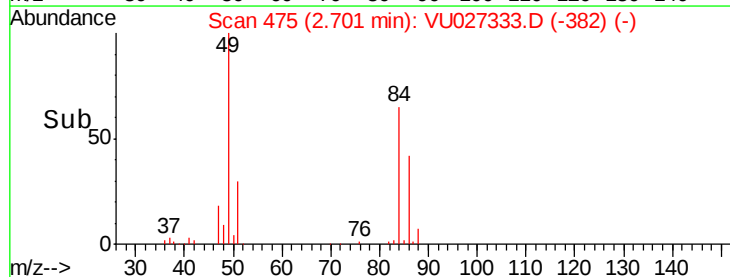
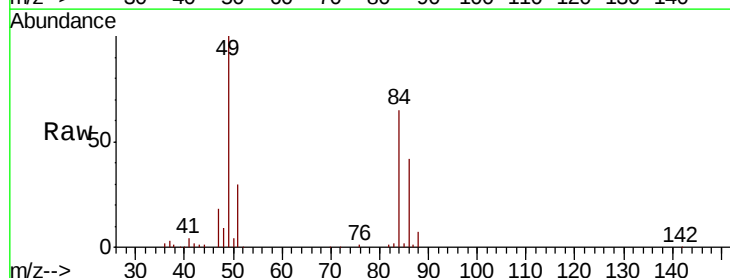
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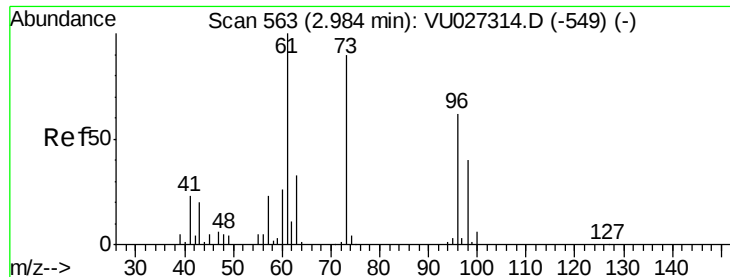
MMDadoda
10/3/2018 11:41:48 AM



#20
Methylene Chloride
Concen: 48.706 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion: 84 Resp: 76554
Ion Ratio Lower Upper
84 100
49 153.8 120.5 180.7
51 45.6 35.1 52.7
86 64.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.270 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

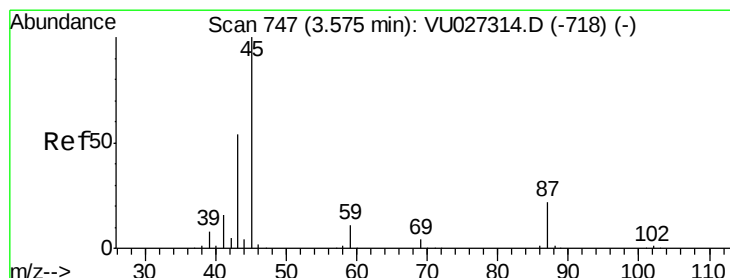
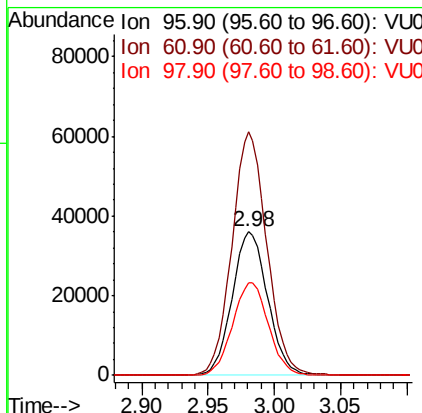
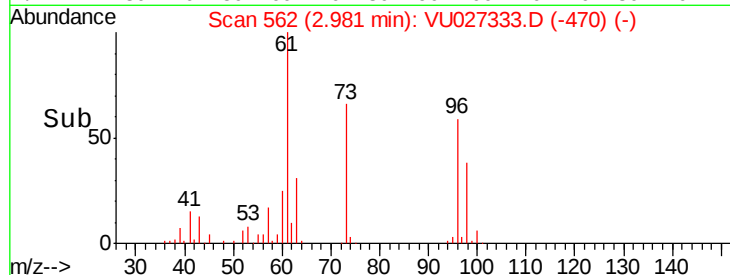
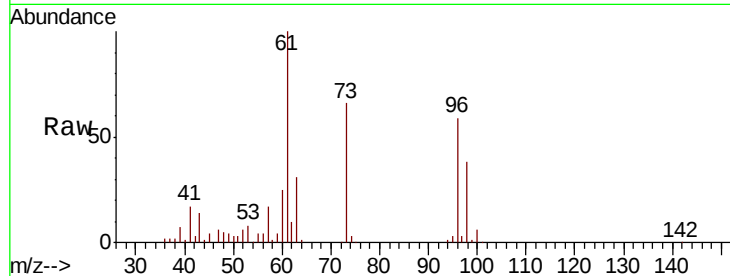
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	66834
Ion	Ratio	Lower	Upper
96	100		
61	169.6	129.4	194.2
98	64.6	51.2	76.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.473 ug/l

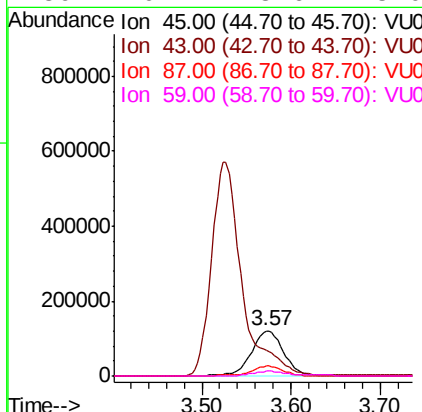
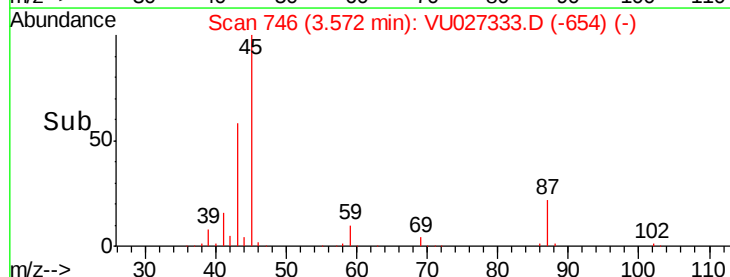
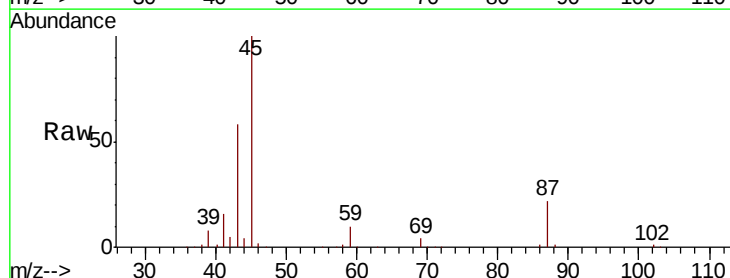
RT: 3.57 min Scan# 746

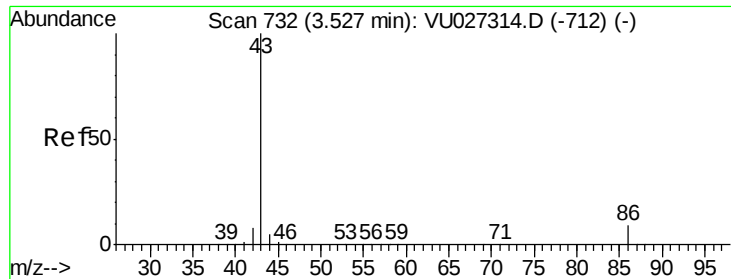
Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion:	45	Resp:	305999
Ion	Ratio	Lower	Upper
45	100		
43	55.4	43.4	65.2
87	21.7	17.5	26.3
59	10.4	8.6	13.0





#23

Vinyl Acetate

Concen: 266.048 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1354921

Ion Ratio Lower Upper

43 100

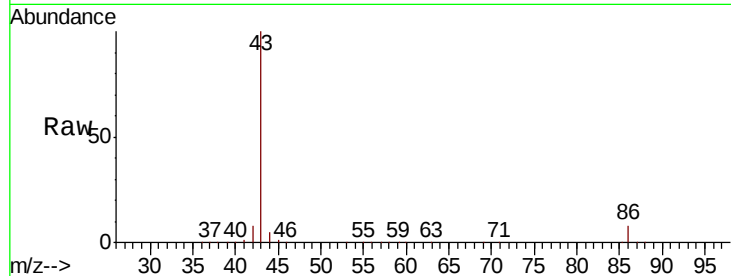
86 8.5 7.0 10.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

600000

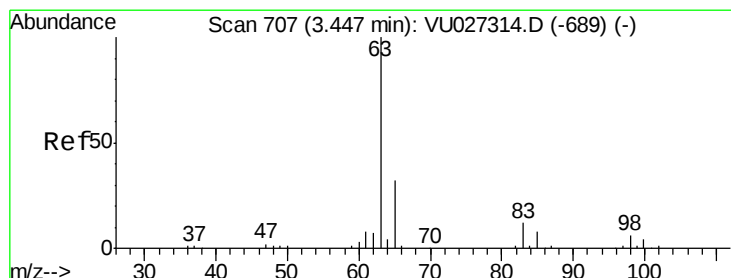
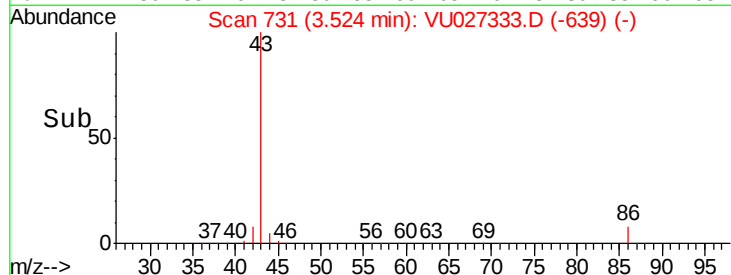
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 51.937 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

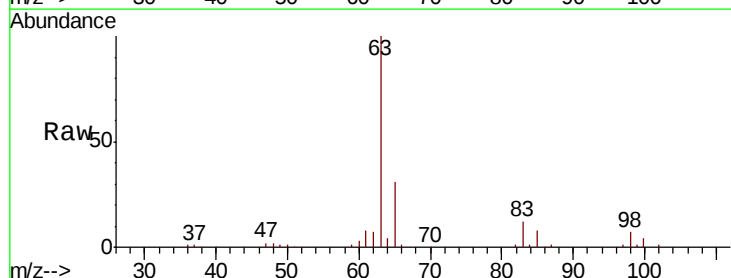
Tgt Ion: 63 Resp: 155703

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

100 3.6 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

80000

60000

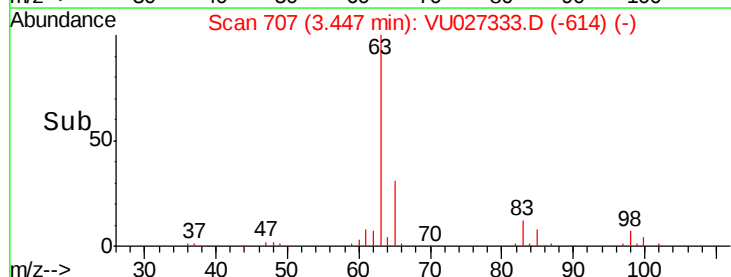
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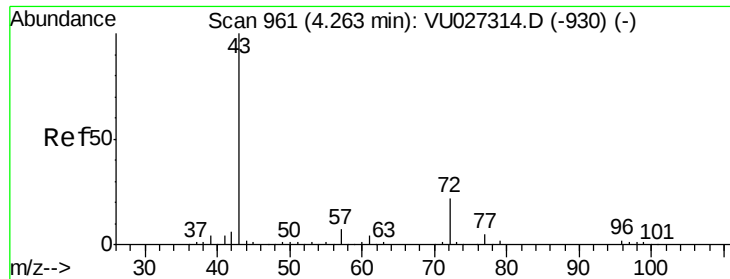
20000

0

3.40 3.50

Time-->





#25

2-Butanone

Concen: 260.389 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 400660

Ion Ratio Lower Upper

43 100

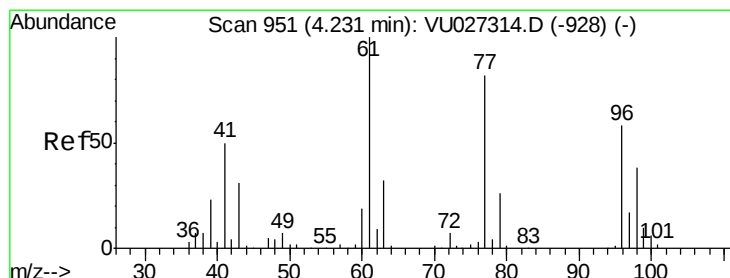
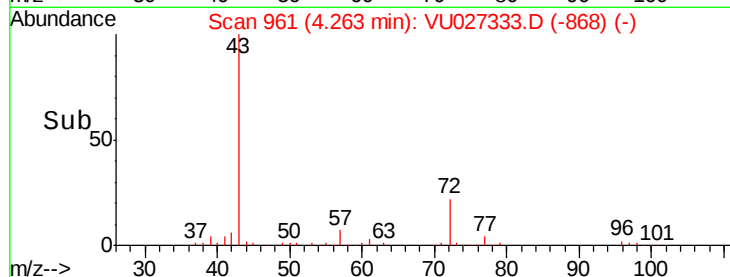
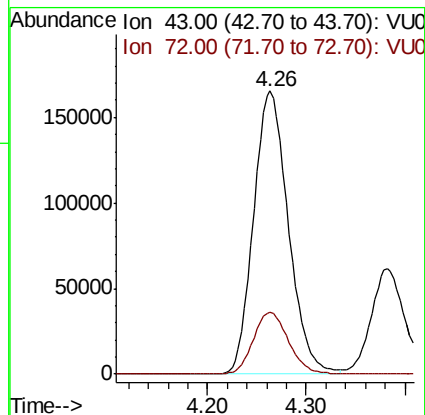
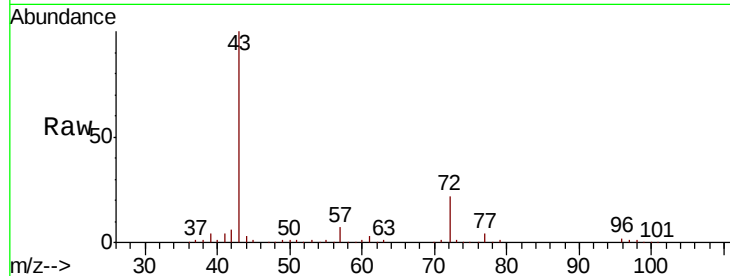
72 22.0 17.8 26.6

Manual Integrations

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10/3/2018 11:41:48 AM



#26

2,2-Dichloropropane

Concen: 45.887 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027333.D

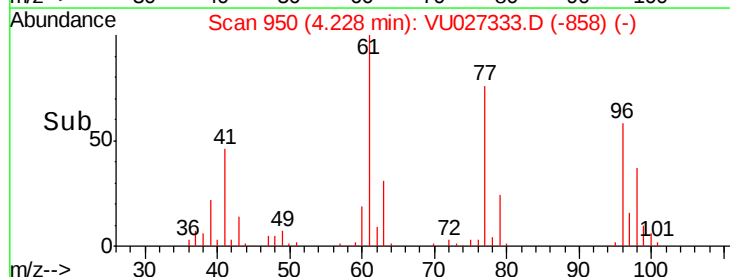
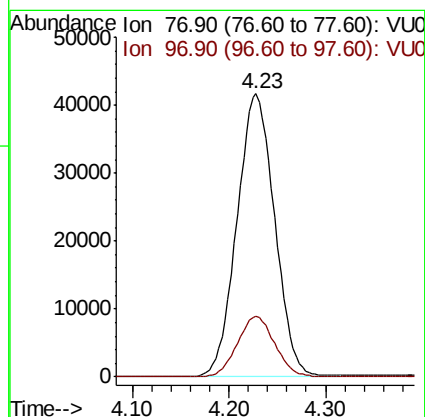
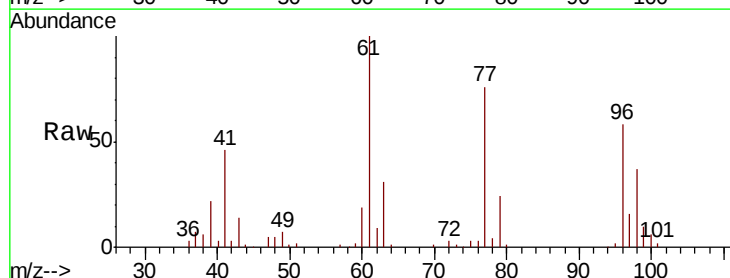
Acq: 01 Oct 2018 21:06

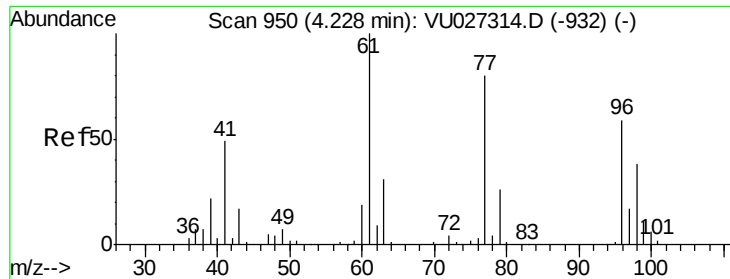
Tgt Ion: 77 Resp: 113036

Ion Ratio Lower Upper

77 100

97 21.2 10.4 31.1





#27

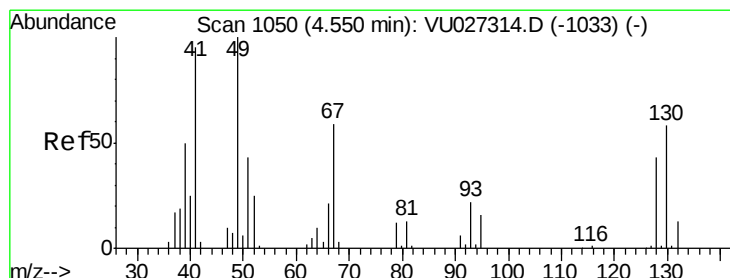
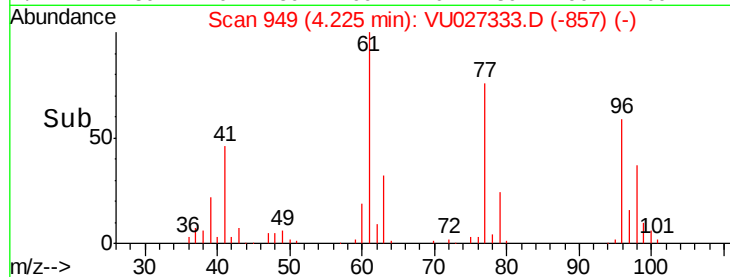
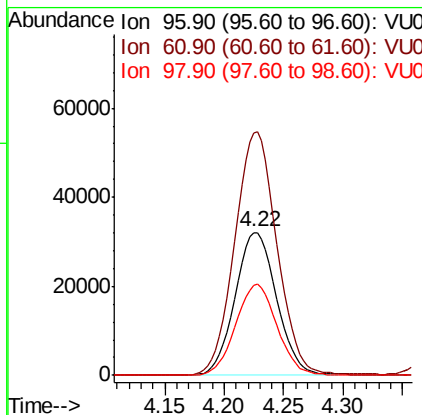
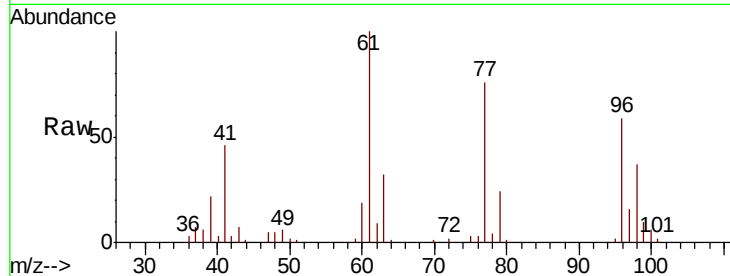
cis-1,2-Dichloroethene
 Concen: 50.049 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.3	0.0	343.8
98	63.3	0.0	129.0

Manual Integrations
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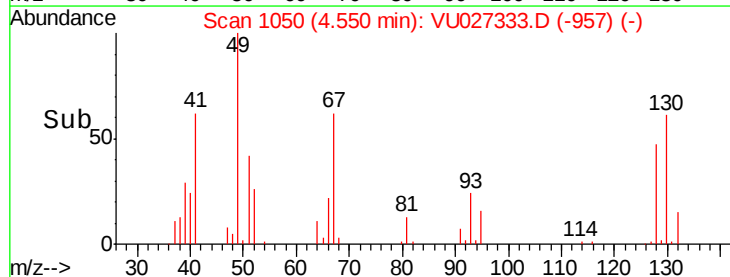
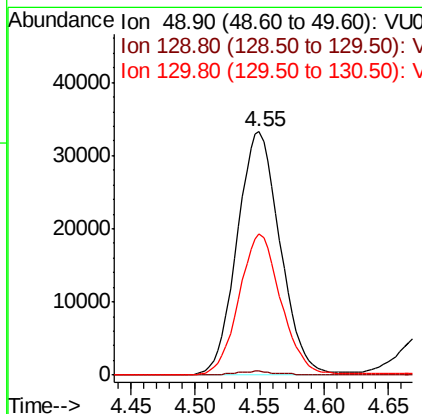
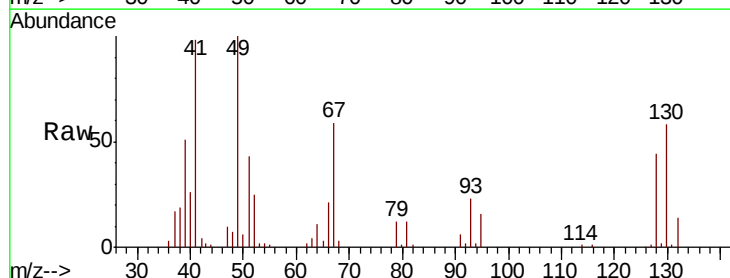
MMDadoda
 10/3/2018 11:41:48 AM

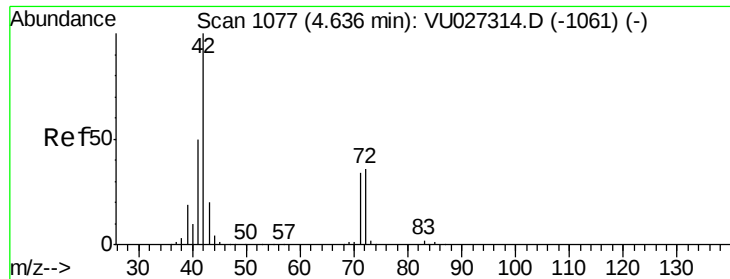


#28

Bromochloromethane
 Concen: 53.397 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.0
130	56.9	46.1	69.1





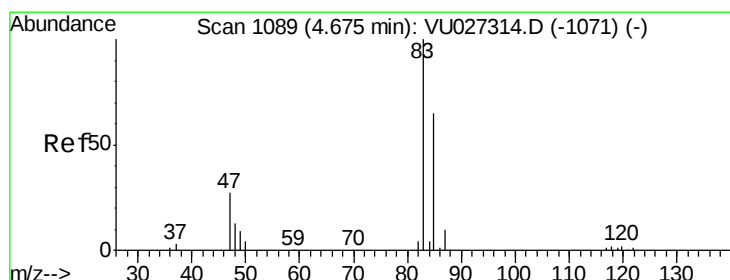
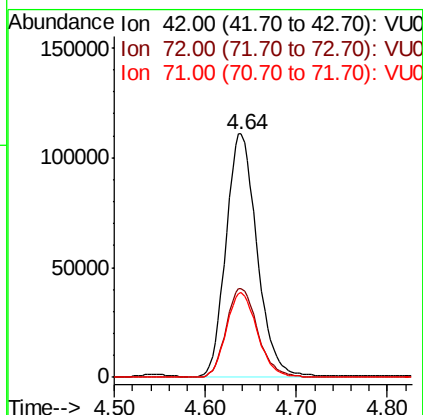
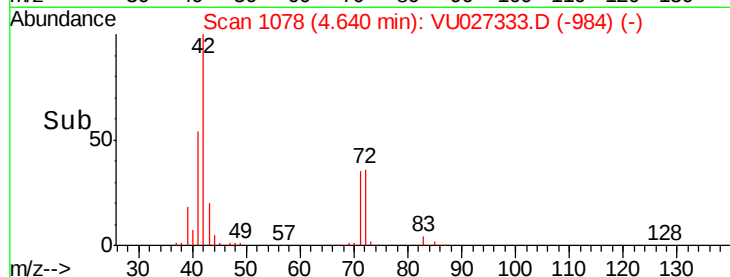
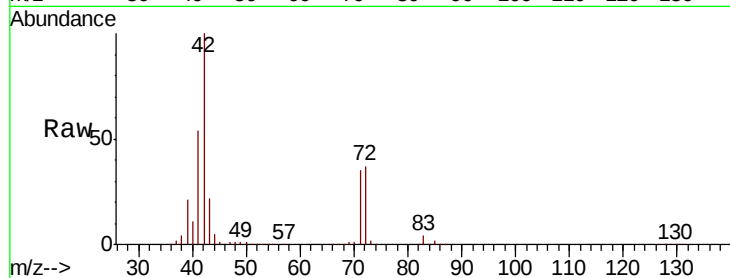
#29
Tetrahydrofuran
Concen: 271.219 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.1	45.1
71	34.9	27.7	41.5

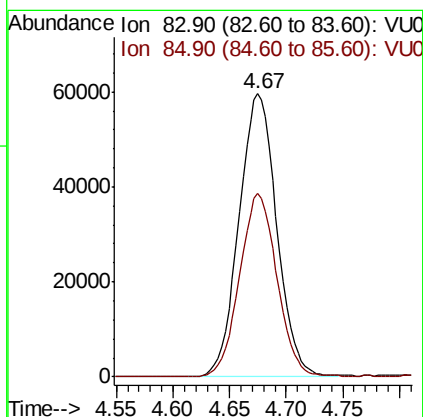
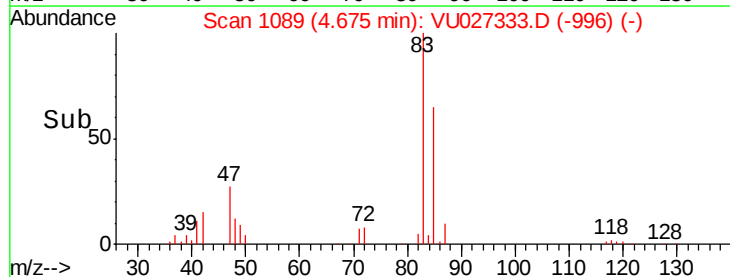
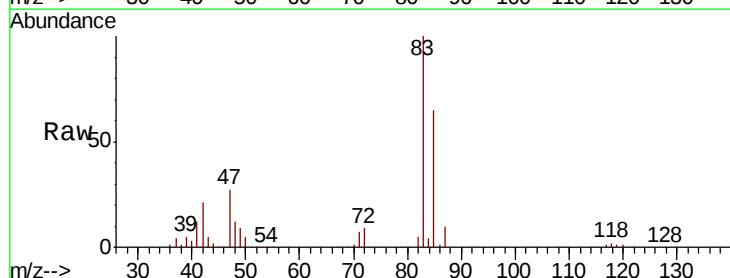
Manual Integrations
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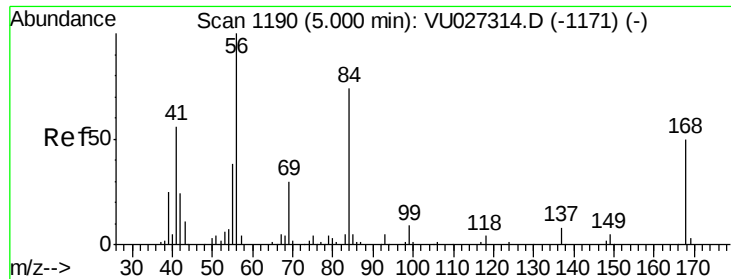
MMDadoda
10/3/2018 11:41:48 AM



#30
Chloroform
Concen: 51.913 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.6





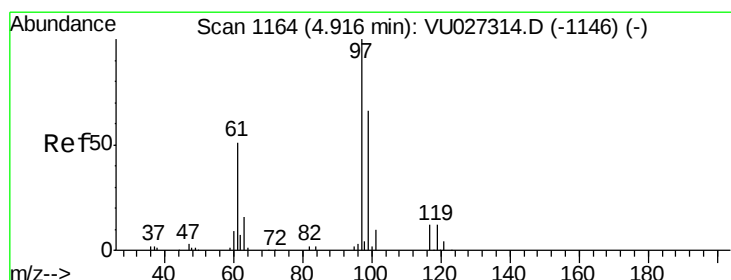
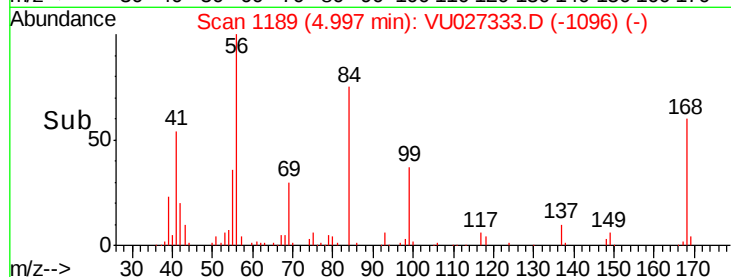
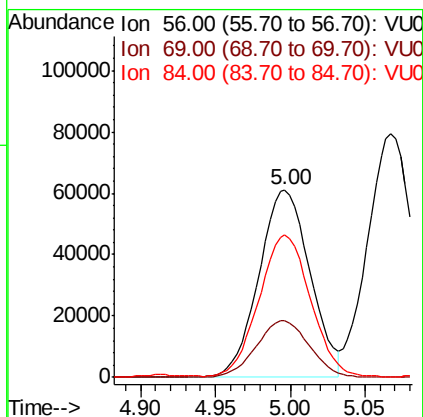
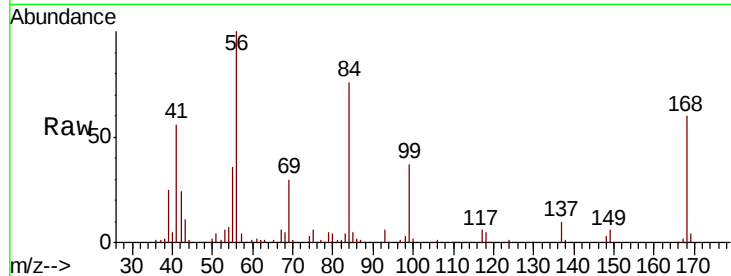
#31
Cyclohexane
Concen: 47.460 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.1	36.1
84	74.8	59.1	88.7

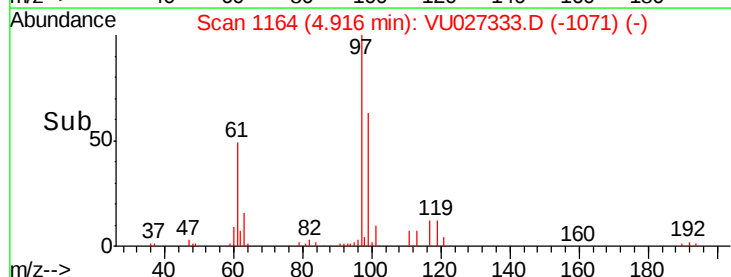
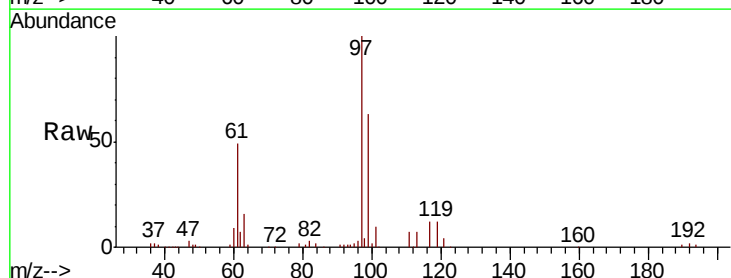
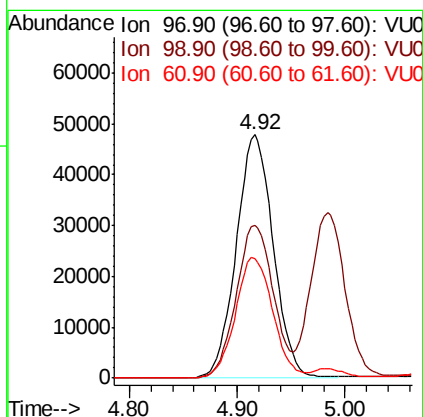
Manual Integrations
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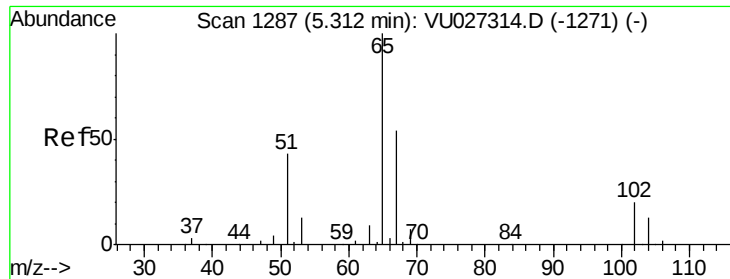
MMDadoda
10/3/2018 11:41:48 AM



#32
1,1,1-Trichloroethane
Concen: 51.034 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.1	76.7
61	50.1	39.6	59.4





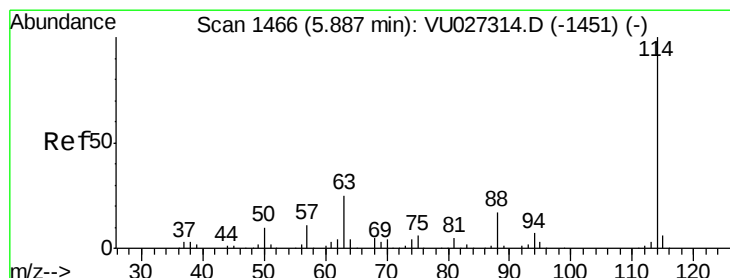
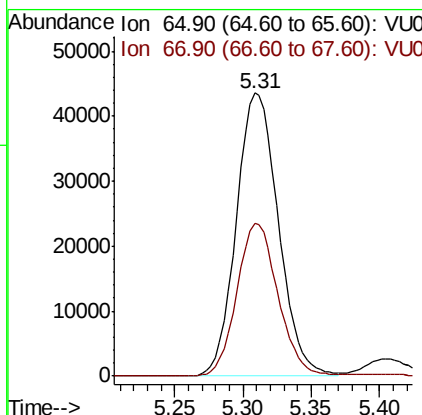
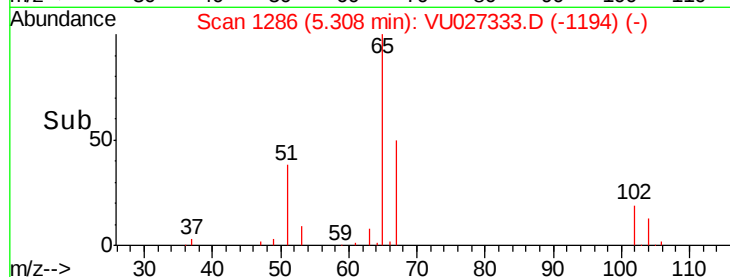
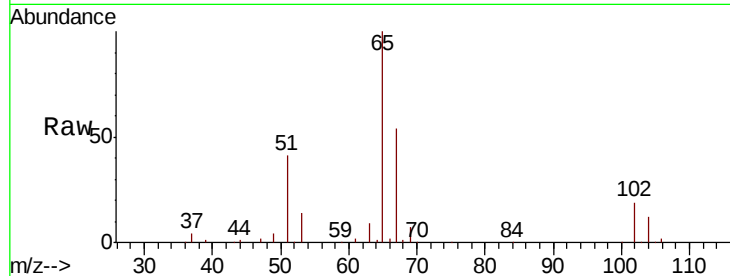
#33
 1,2-Dichloroethane-d4
 Concen: 48.876 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 93354
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.8

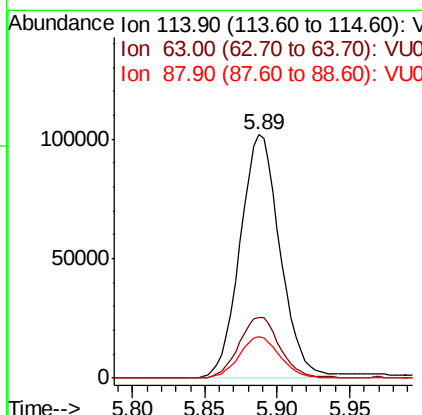
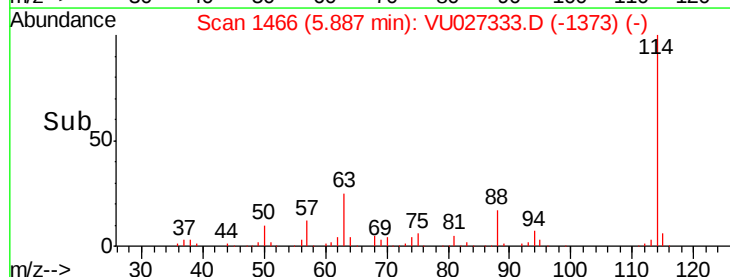
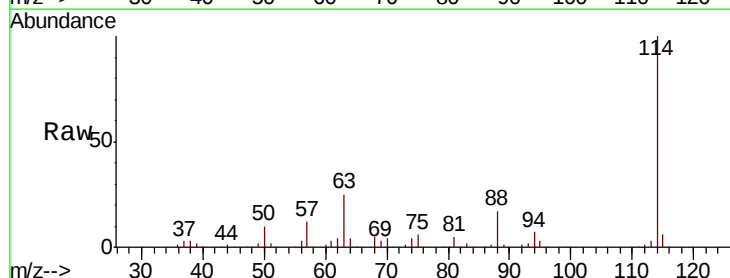
Manual Integrations
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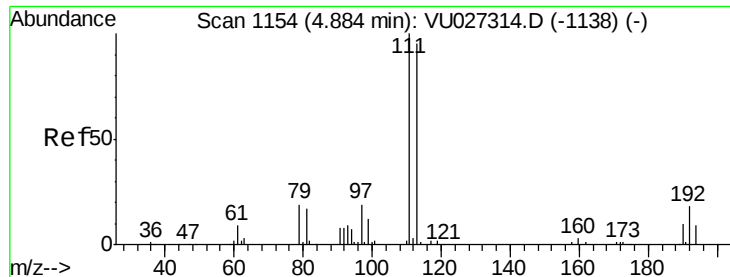
MMDadoda
 10/3/2018 11:41:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion: 114 Resp: 195524
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 50.2
 88 16.8 0.0 33.8





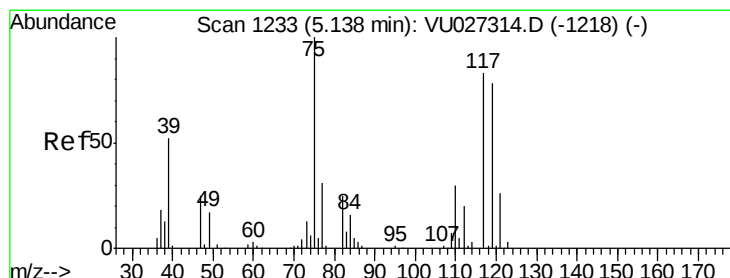
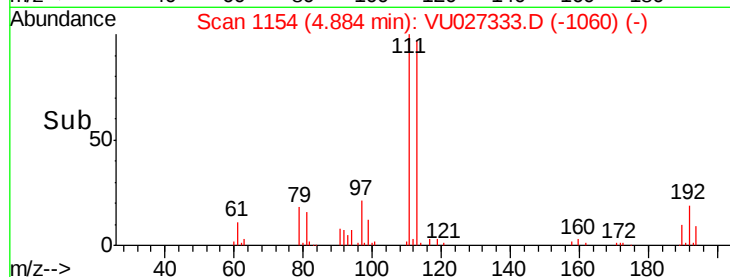
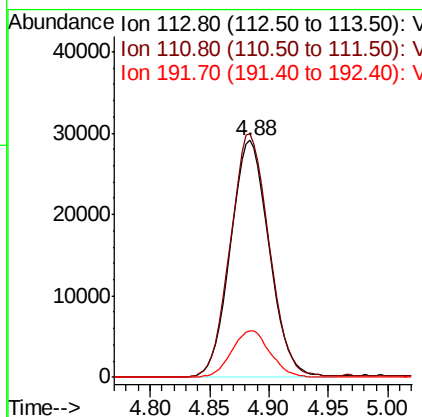
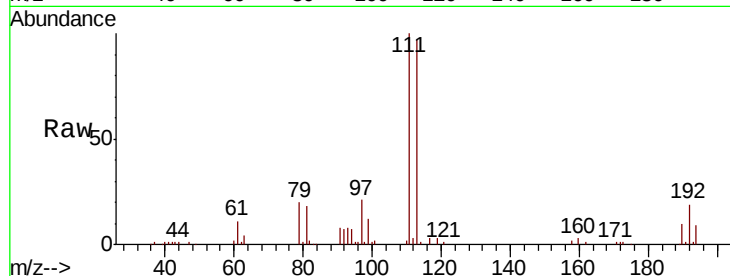
#35
 Dibromofluoromethane
 Concen: 49.137 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.1	124.7
192	19.5	15.4	23.0

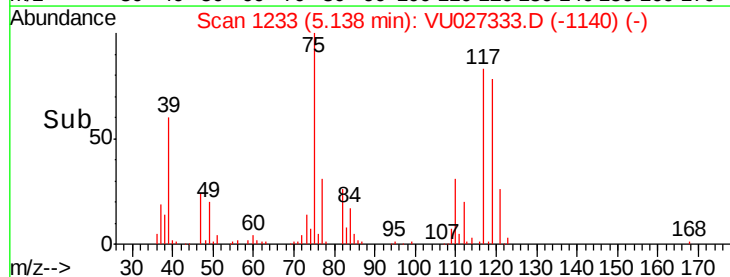
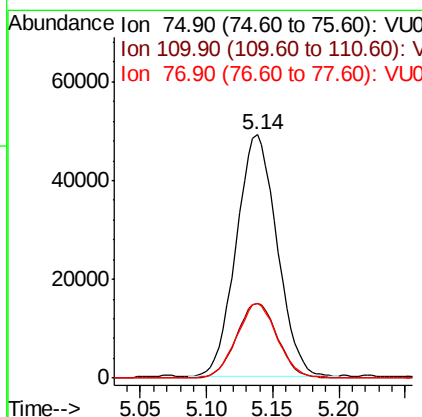
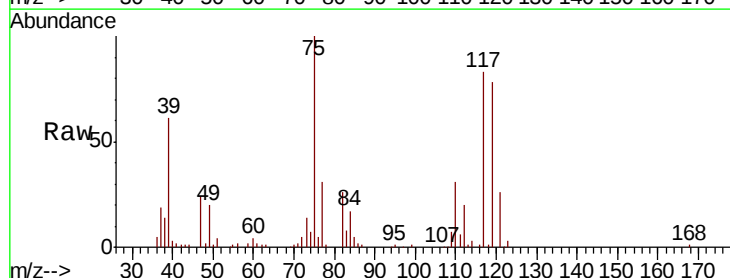
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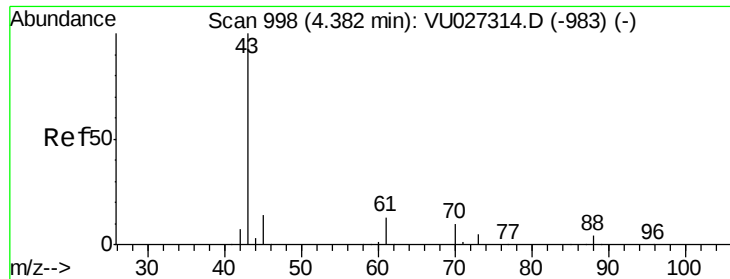
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#36
 1,1-Dichloropropene
 Concen: 49.387 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.3	15.5	46.5
77	31.2	25.4	38.0





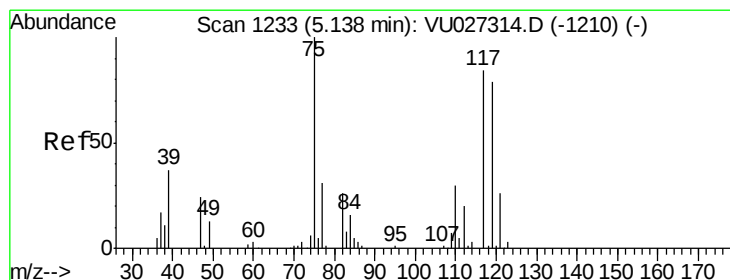
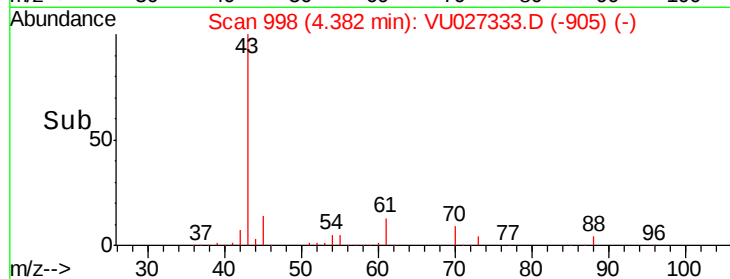
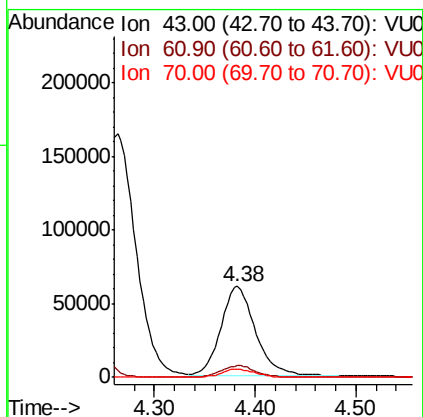
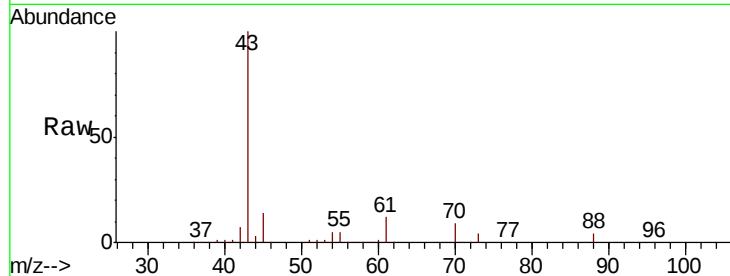
#37
Ethyl Acetate
Concen: 53.329 ug/l
RT: 4.38 min Scan# 998
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	146318	12.5	9.0
Ratio	100	12.5	9.0
Lower		10.7	7.4
Upper		16.1	11.2

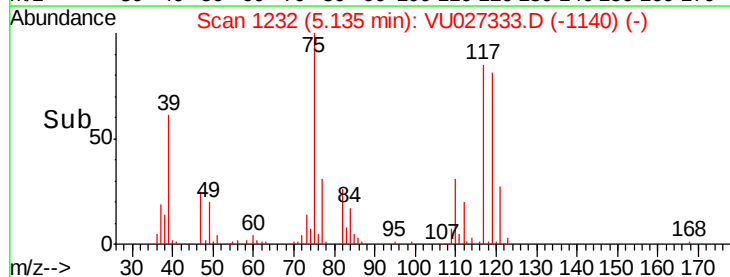
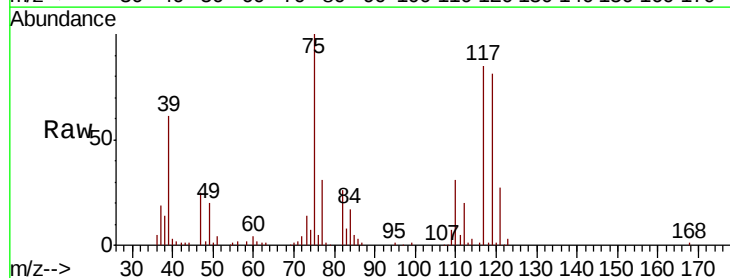
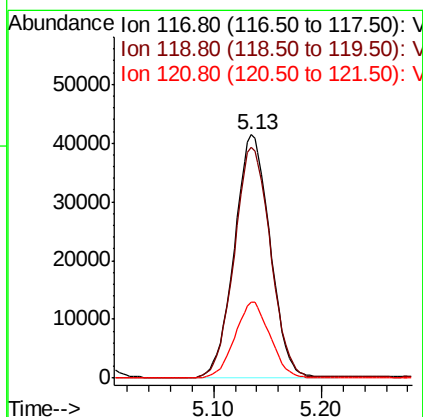
Manual Integrations
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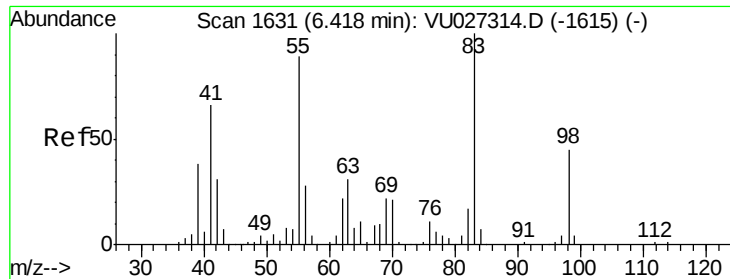
MMDadoda
10/3/2018 11:41:48 AM



#38
Carbon Tetrachloride
Concen: 49.921 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	117	119	121
Resp	95733	94.9	31.2
Ratio	100	94.9	31.2
Lower		74.5	24.6
Upper		111.7	37.0





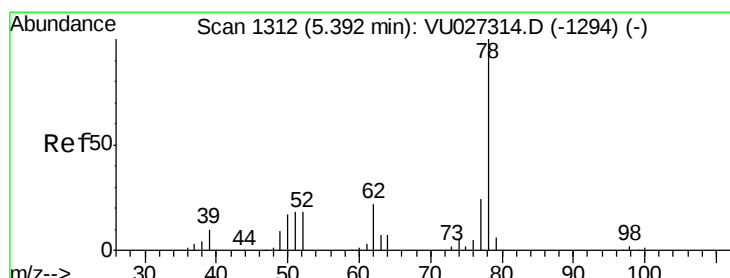
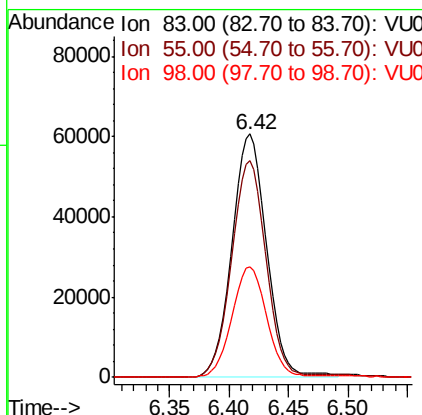
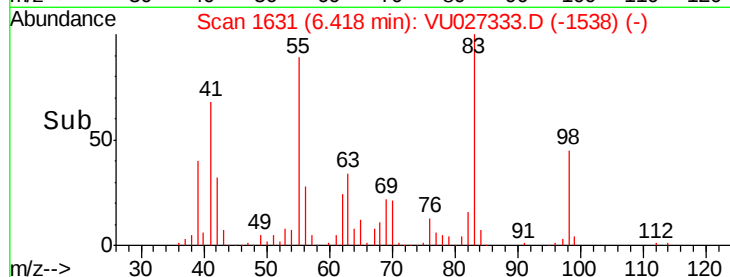
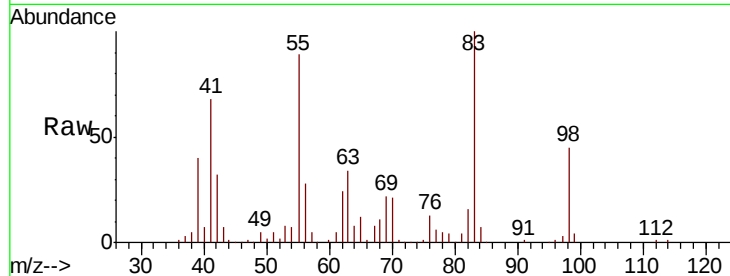
#39
Methvlcvclohexane
Concen: 49.441 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.9	71.1	106.7
98	45.4	36.3	54.5

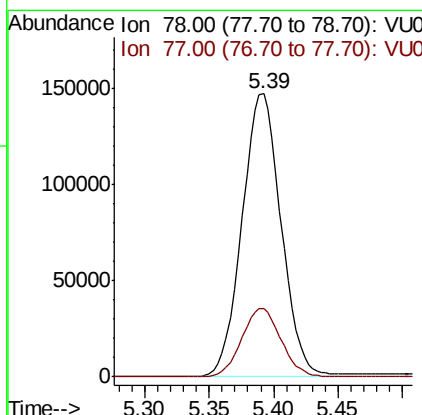
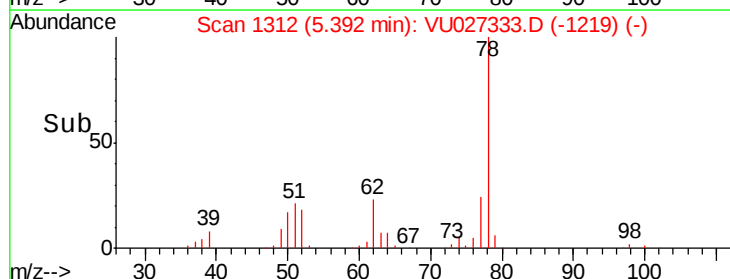
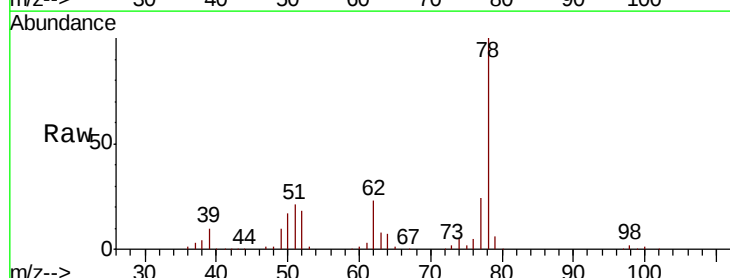
Manual Integrations
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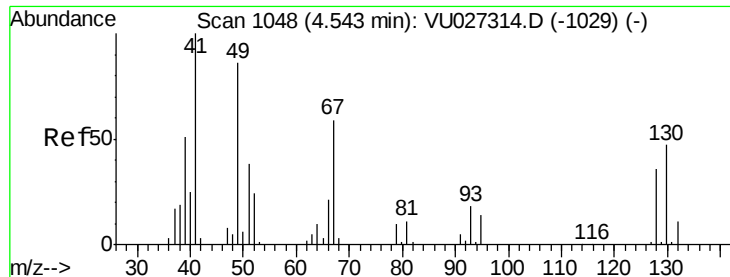
MMDadoda
10/3/2018 11:41:48 AM



#40
Benzene
Concen: 50.365 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





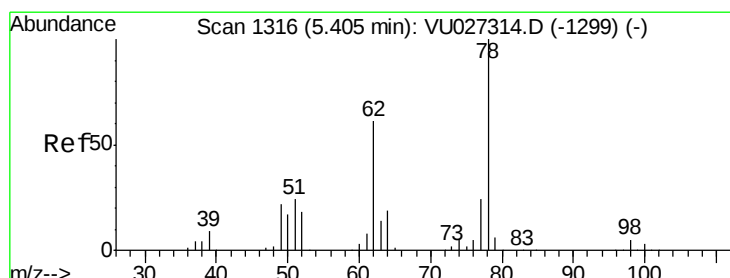
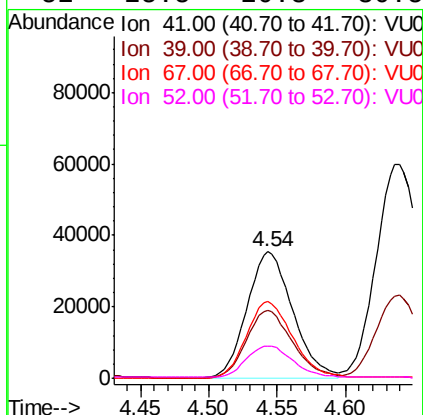
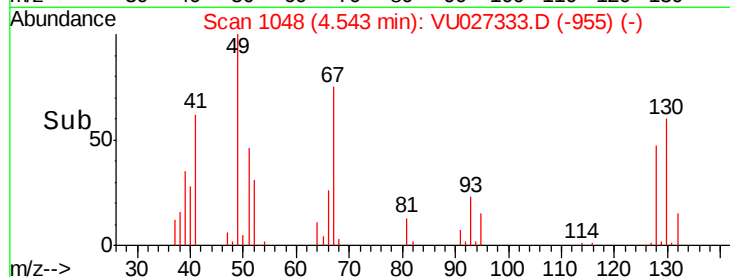
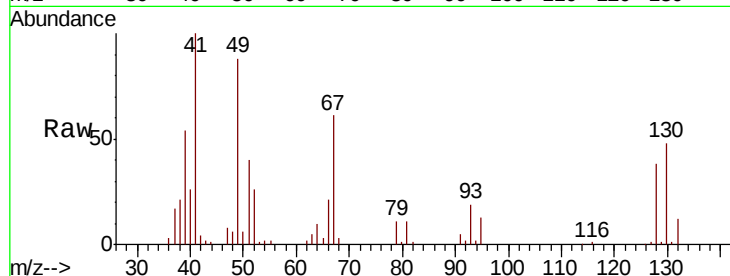
#41
Methacrylonitrile
Concen: 53.235 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	41.1	61.7	
67	61.7	50.4	75.6	
52	25.5	20.3	30.5	

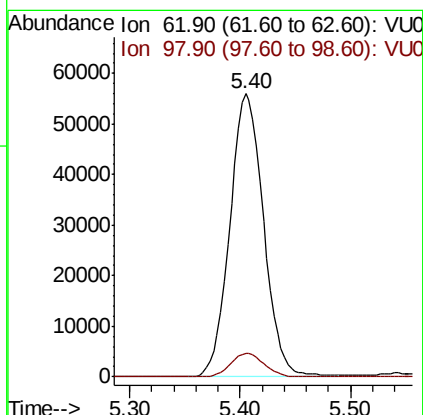
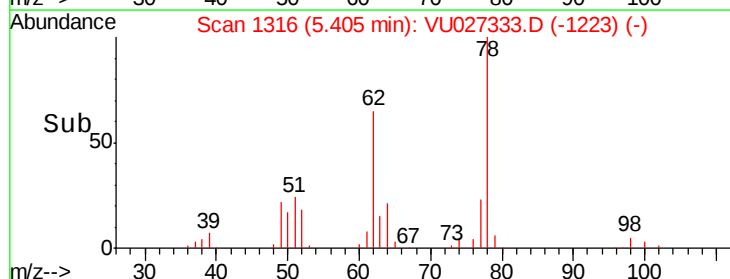
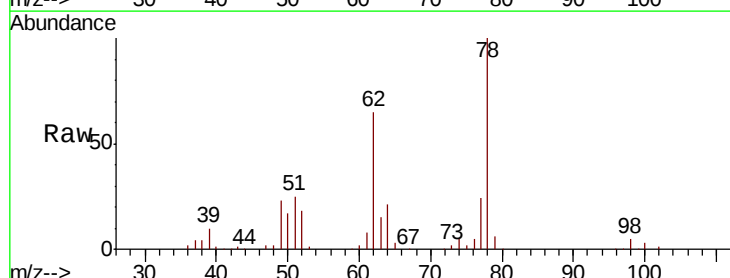
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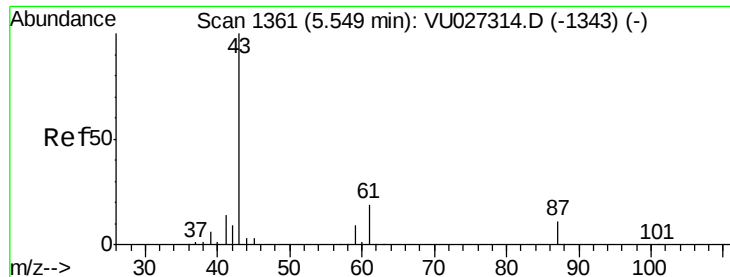
MMDadoda
10/3/2018 11:41:48 AM



#42
1,2-Dichloroethane
Concen: 51.841 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.8	





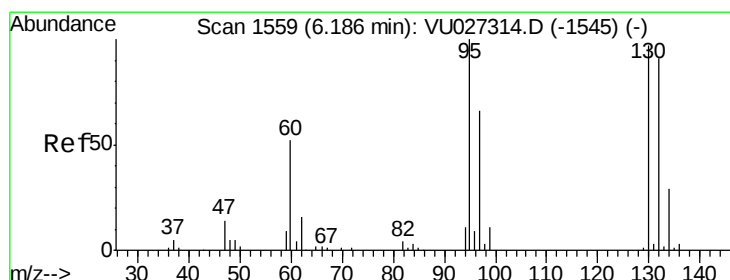
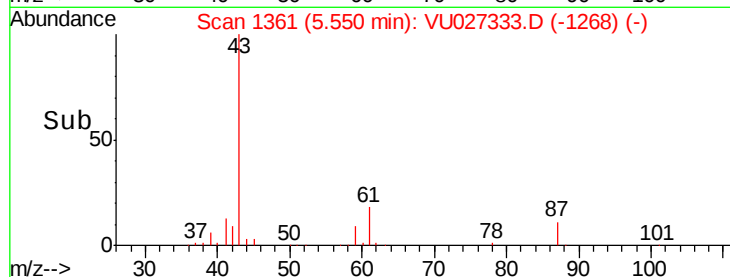
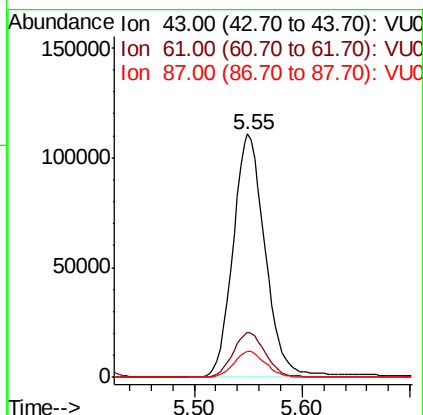
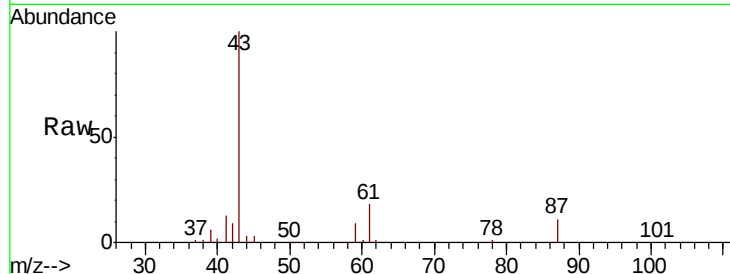
#43
Isopropyl Acetate
Concen: 53.715 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.3	22.9
87	10.6	8.6	13.0

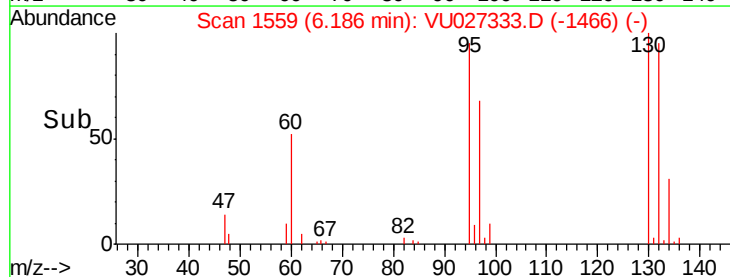
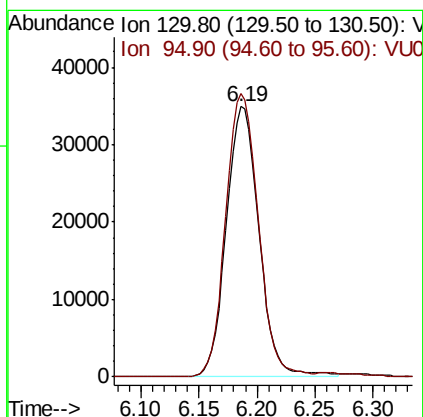
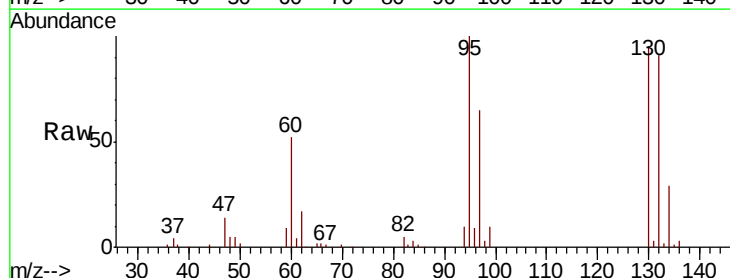
Manual Integrations
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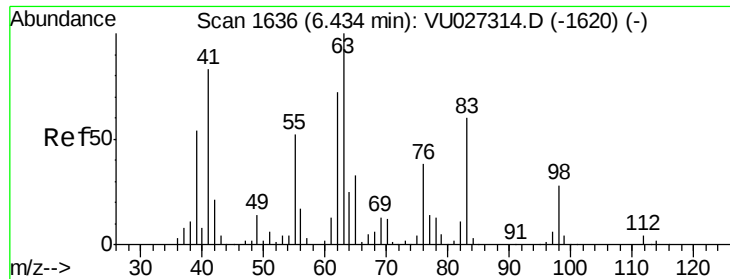
MMDadoda
10/3/2018 11:41:48 AM



#44
Trichloroethene
Concen: 49.601 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	207.0





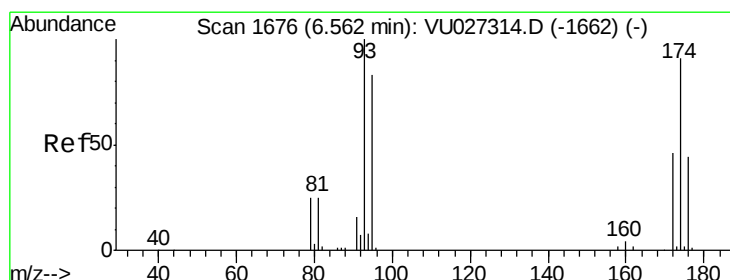
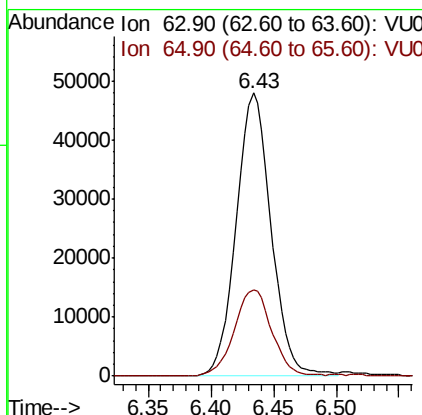
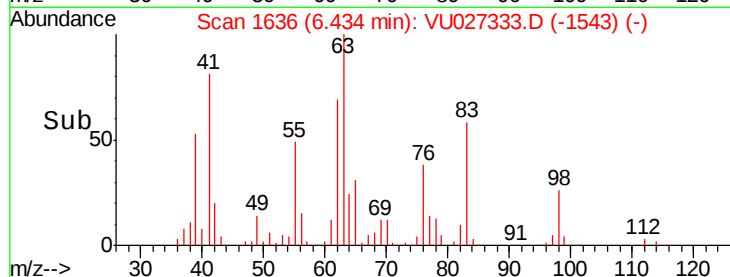
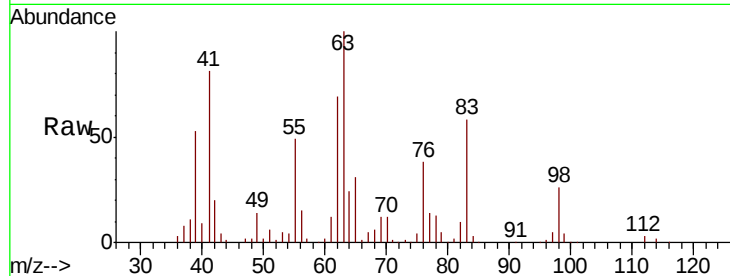
#45
 1,2-Dichloropropane
 Concen: 52.107 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 92940
 Ion Ratio Lower Upper
 63 100
 65 30.5 26.0 39.0

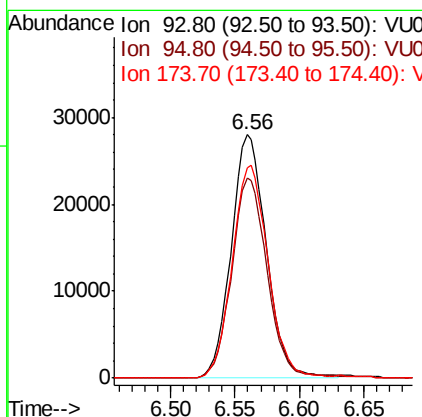
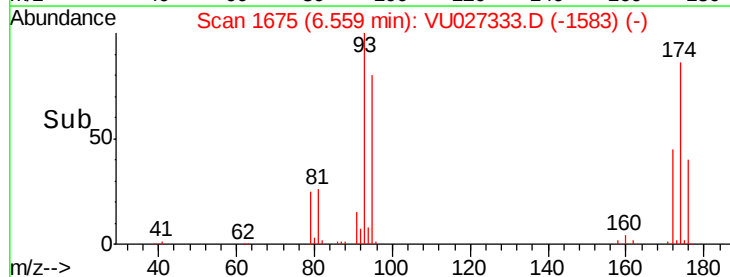
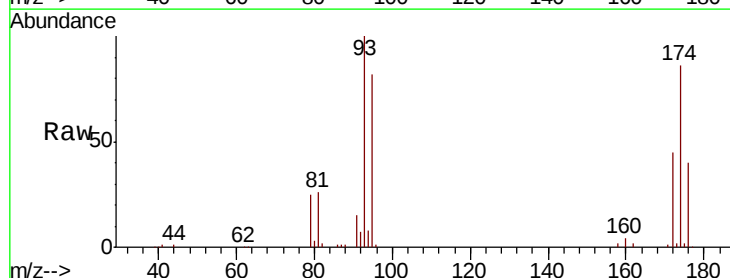
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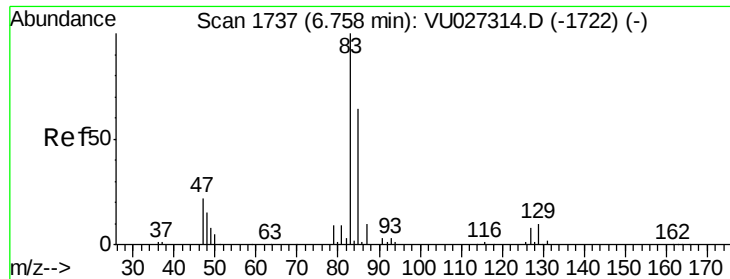
MMDadoda
 10/3/2018 11:41:48 AM



#46
 Dibromomethane
 Concen: 52.667 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion: 93 Resp: 53055
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.5 99.7
 174 88.9 72.5 108.7





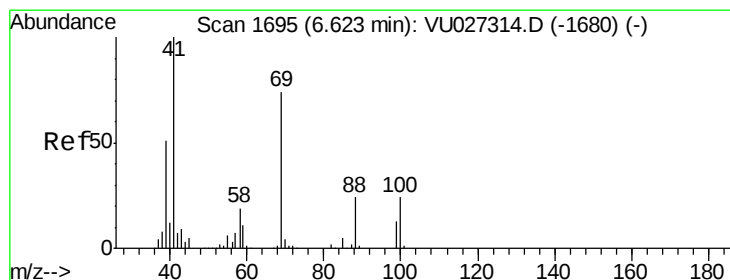
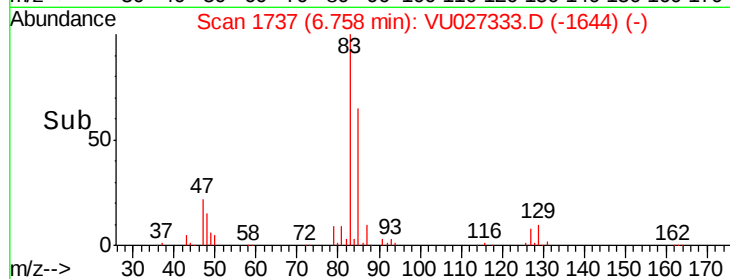
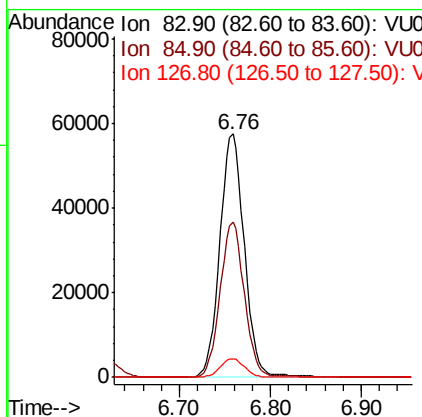
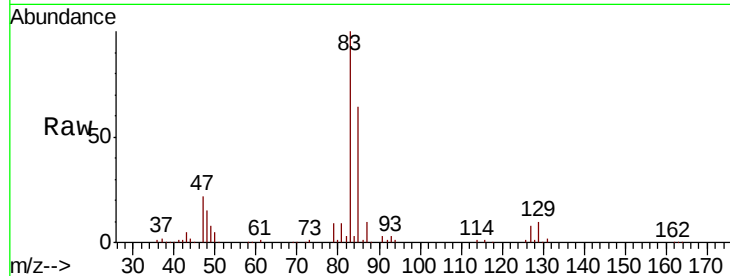
#47
Bromodichloromethane
Concen: 51.409 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	107460
Ion Ratio	100		
Lower	51.4		
Upper	77.0		
85	63.7		
127	7.7		

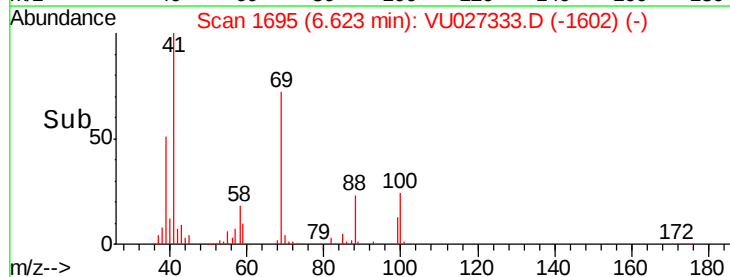
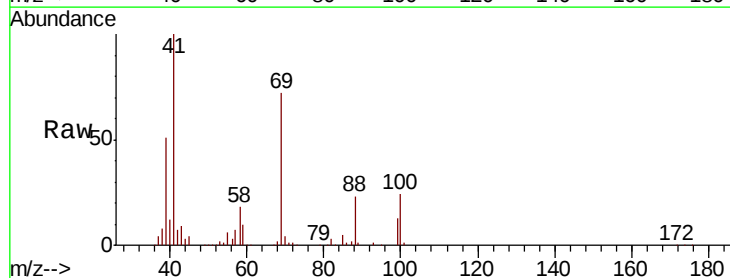
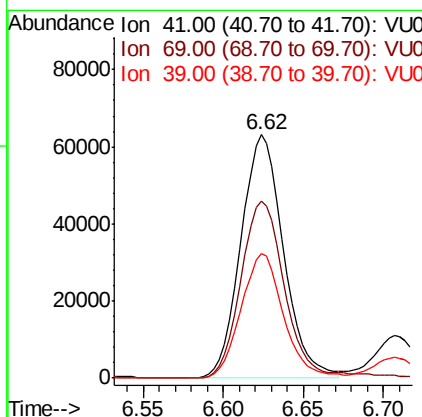
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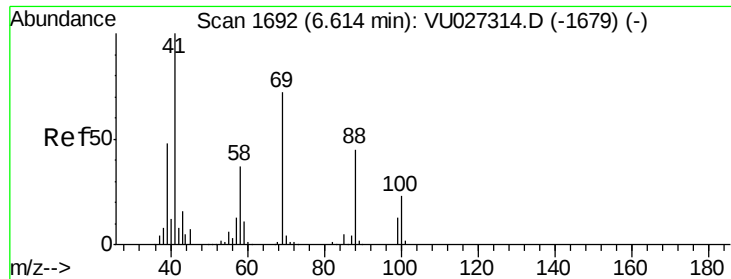
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#48
Methyl methacrylate
Concen: 54.429 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	41	Resp	115340
Ion Ratio	100		
Lower	61.0		
Upper	91.4		
69	75.9		
39	51.0		





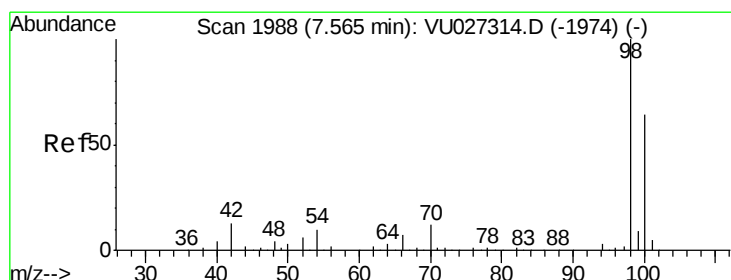
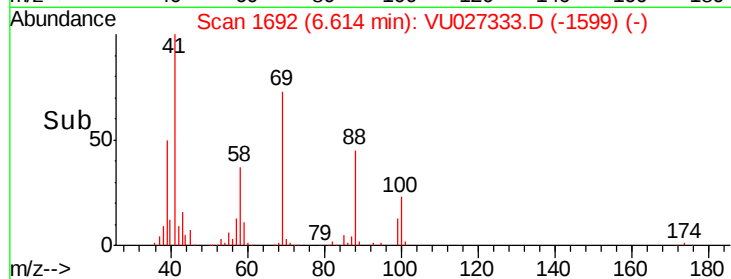
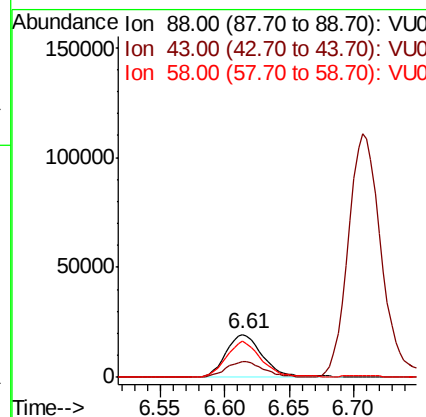
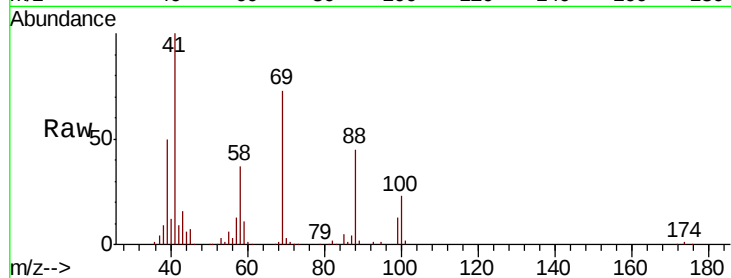
#49
1,4-Dioxane
Concen: 1037.623 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	30.8	46.2
58	82.6	67.0	100.6

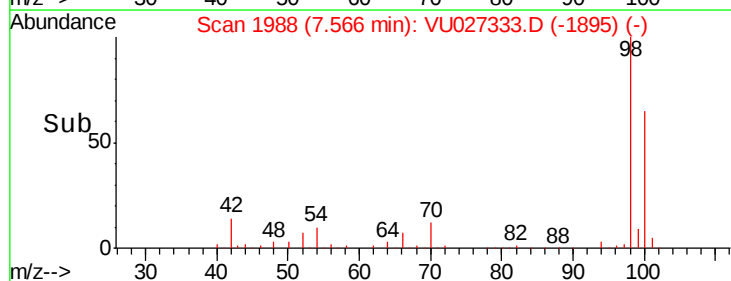
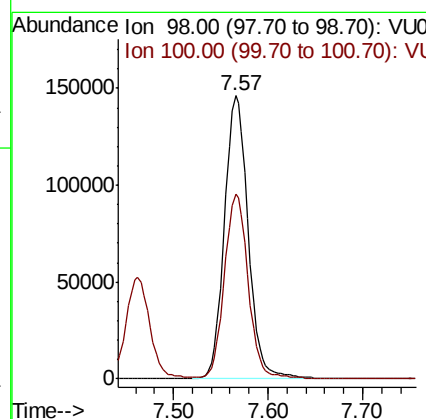
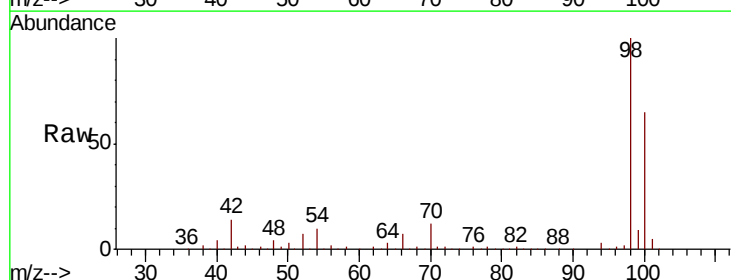
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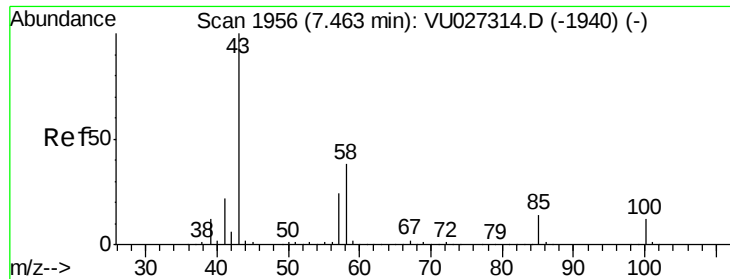
MMDadoda
10/3/2018 11:41:48 AM



#50
Toluene-d8
Concen: 50.941 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 276.988 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 766985

Ion Ratio Lower Upper

43 100

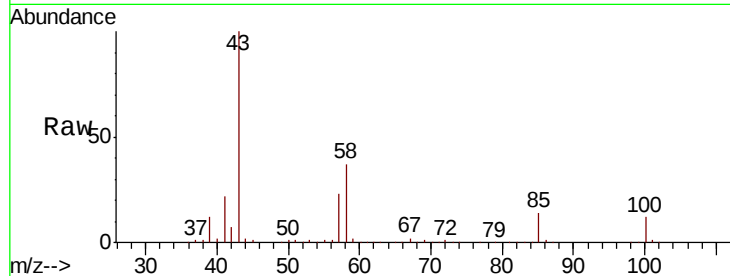
58 36.7 29.8 44.8

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Abundance Ion 43.00 (42.70 to 43.70): VU027333.D (-1863) (-)

Ion 58.00 (57.70 to 58.70): VU027333.D (-1863) (-)

7.46

400000

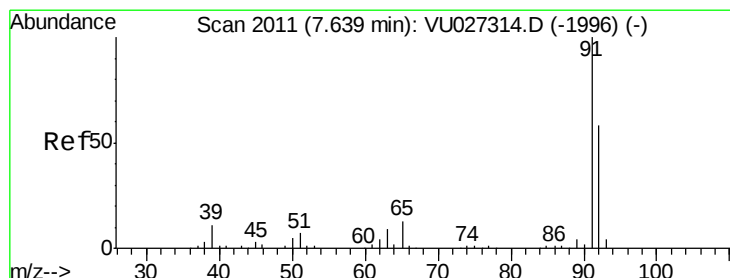
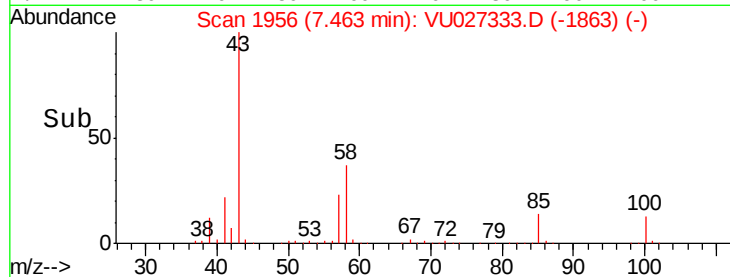
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.392 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027333.D

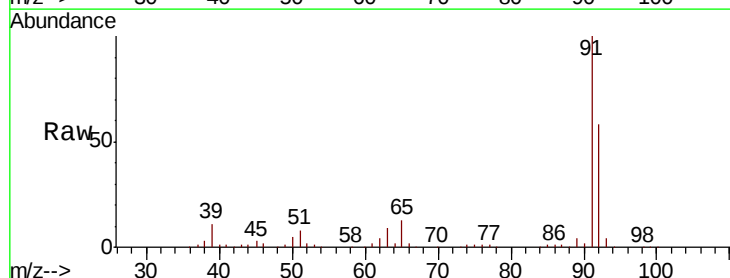
Acq: 01 Oct 2018 21:06

Tgt Ion: 92 Resp: 188107

Ion Ratio Lower Upper

92 100

91 171.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027333.D (-1918) (-)

Ion 91.00 (90.70 to 91.70): VU027333.D (-1918) (-)

7.64

200000

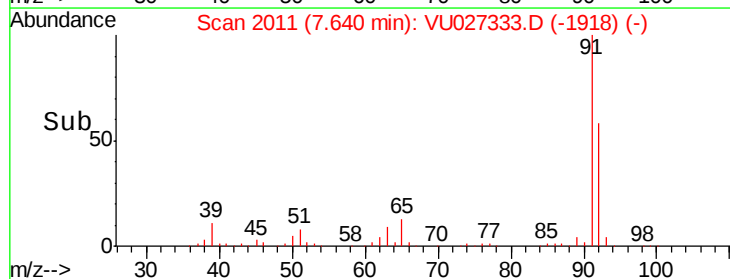
150000

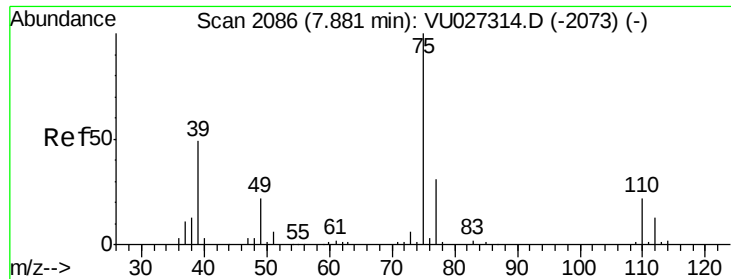
100000

50000

0

Time-->





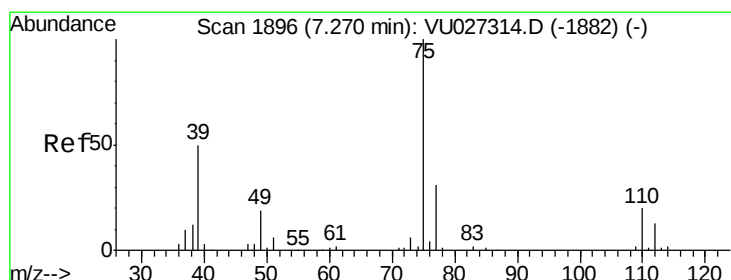
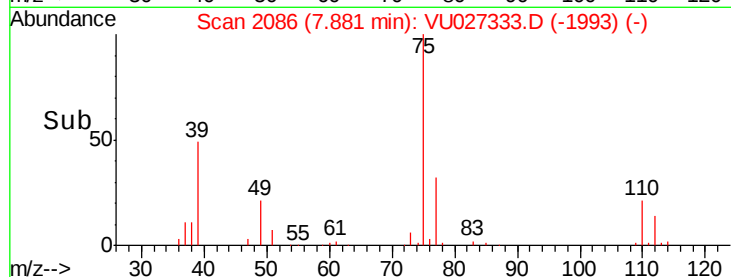
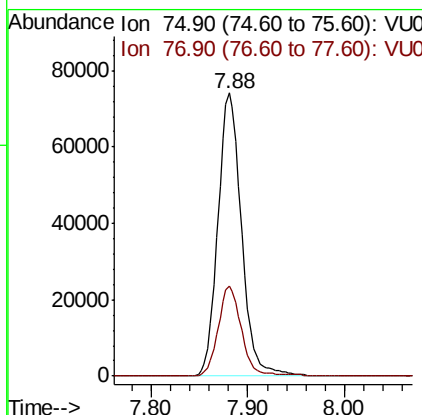
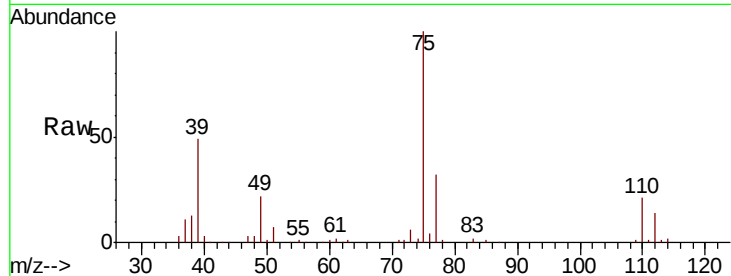
#53
t-1,3-Dichloropropene
Concen: 51.314 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

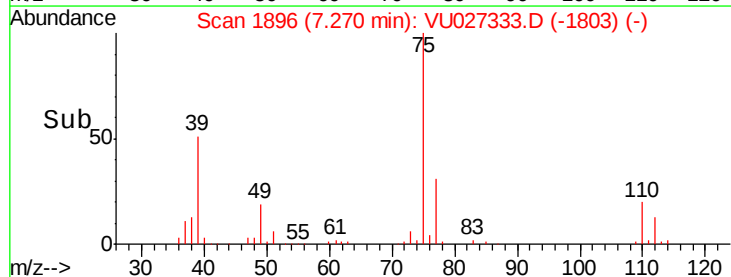
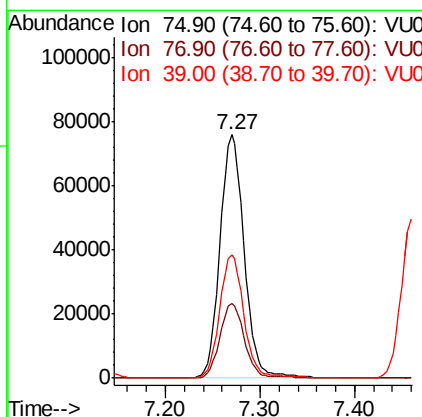
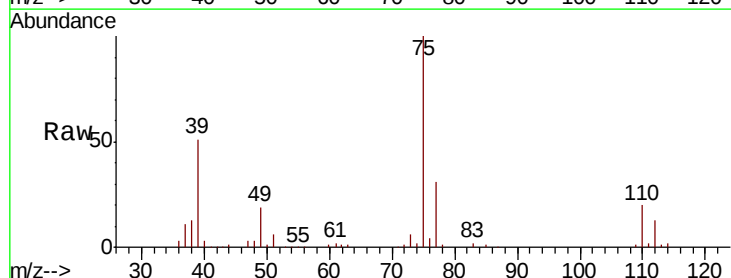
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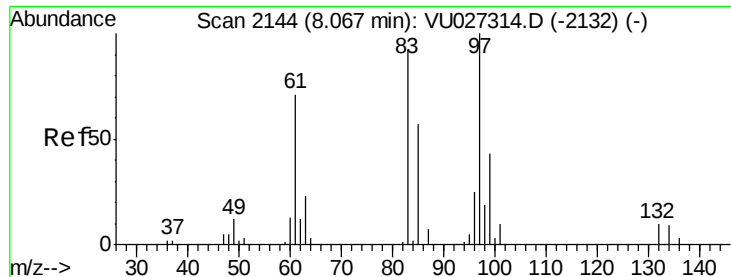
MMDadoda
10/3/2018 11:41:48 AM



#54
cis-1,3-Dichloropropene
Concen: 51.342 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	50.9	40.1	60.1





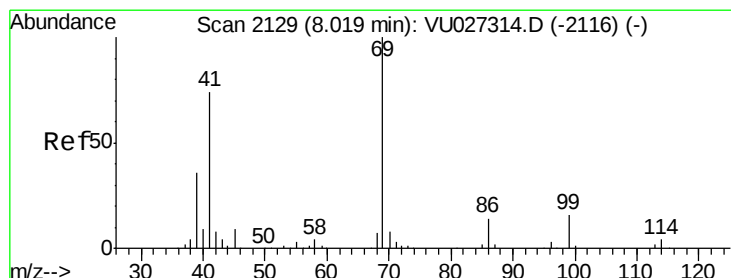
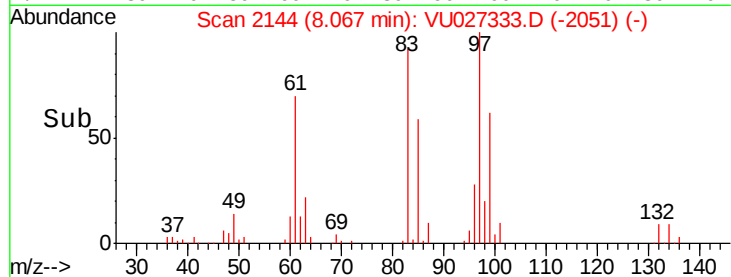
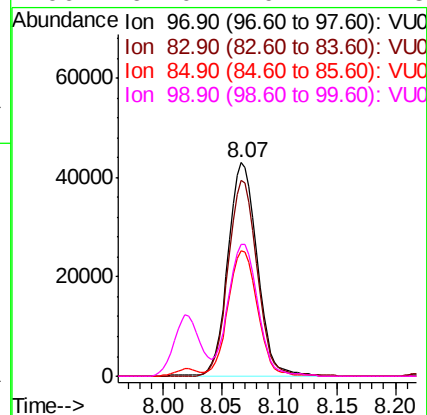
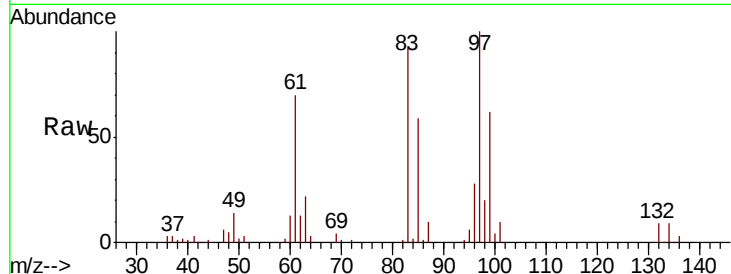
#55
 1,1,2-Trichloroethane
 Concen: 51.762 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	75117
Ion	Ratio	Lower	Upper
97	100		
83	91.5	73.0	109.6
85	58.7	47.3	70.9
99	62.0	49.7	74.5

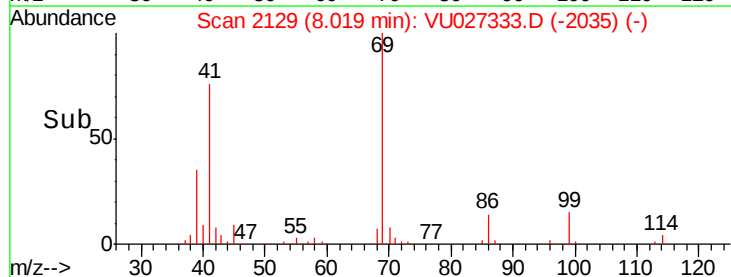
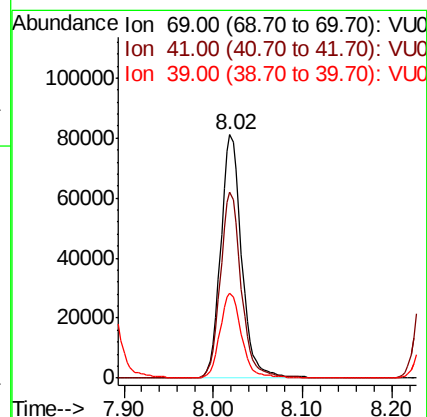
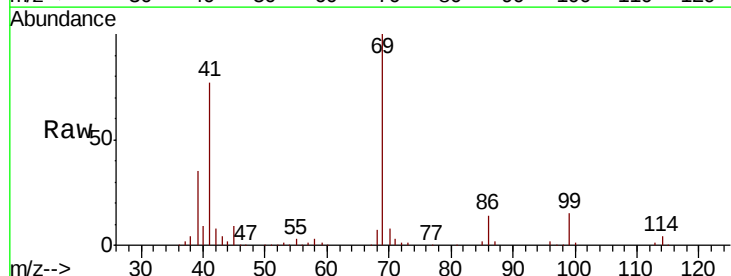
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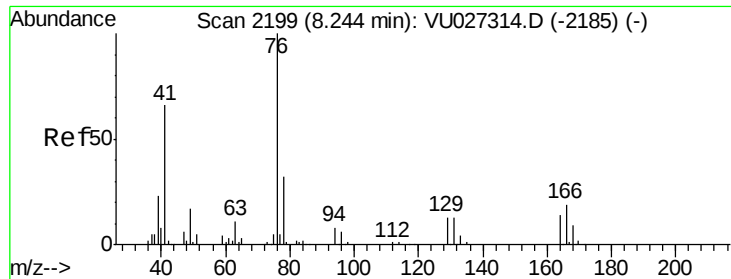
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 47.694 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion:	69	Resp:	132240
Ion	Ratio	Lower	Upper
69	100		
41	76.8	60.0	90.0
39	35.6	29.5	44.3





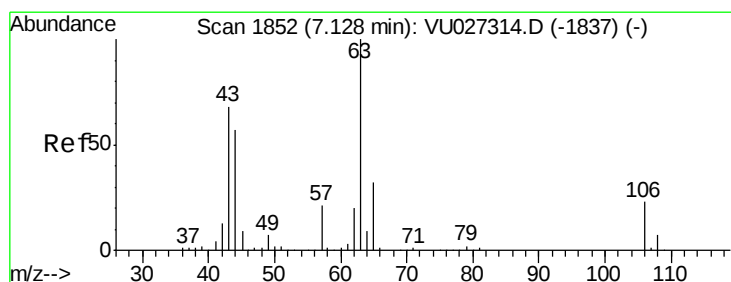
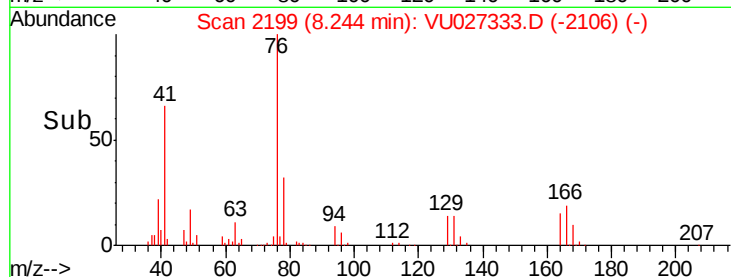
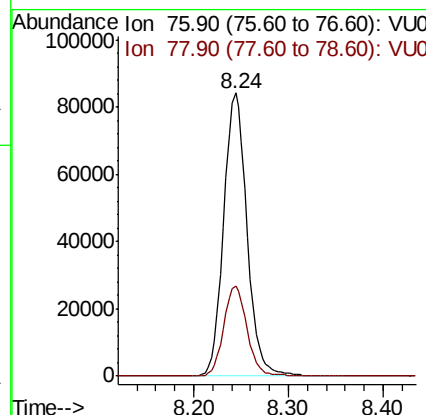
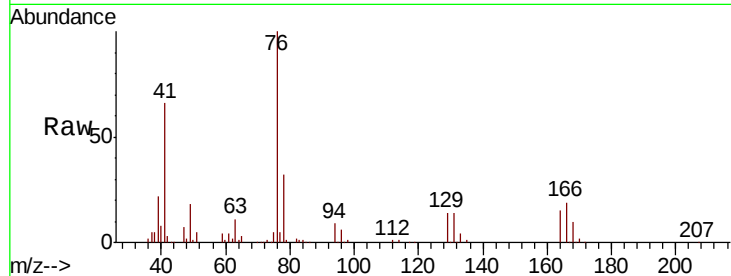
#57
 1,3-Dichloropropane
 Concen: 51.245 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

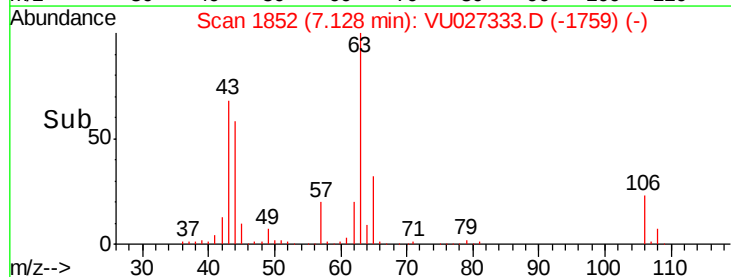
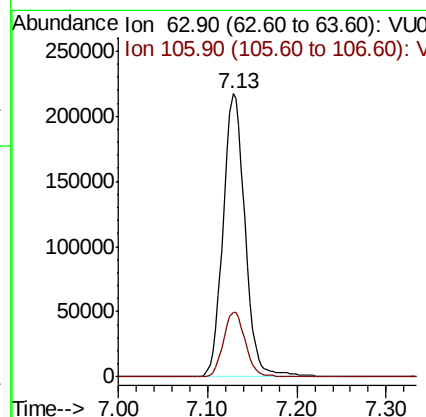
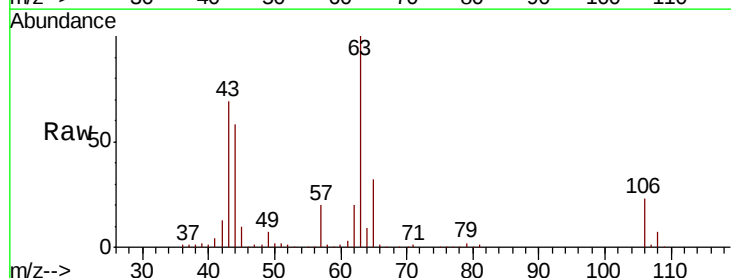
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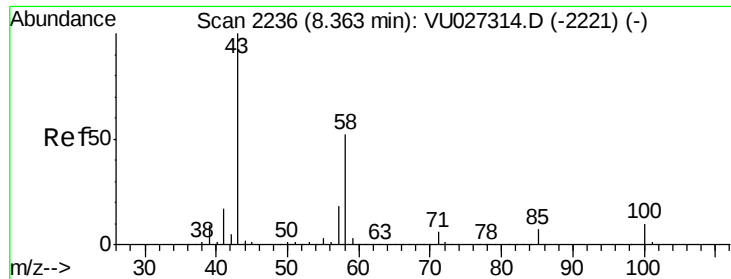
MMDadoda
 10/3/2018 11:41:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.026 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	18.5	27.7





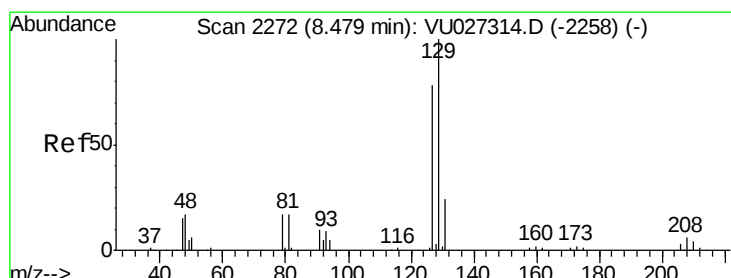
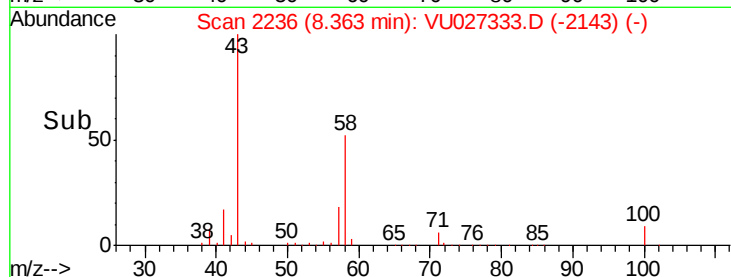
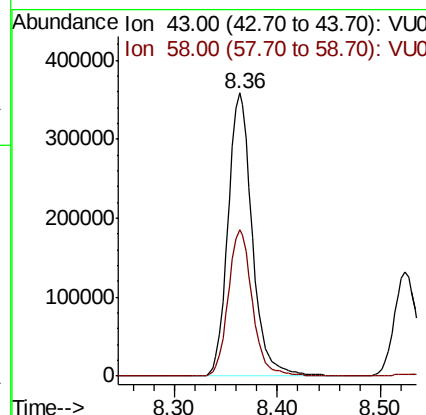
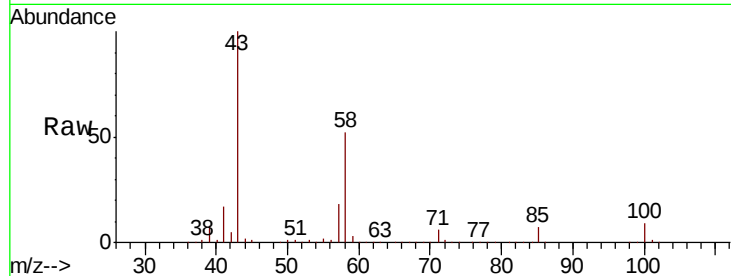
#59
2-Hexanone
Concen: 272.697 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	51.7		26.1	78.3	

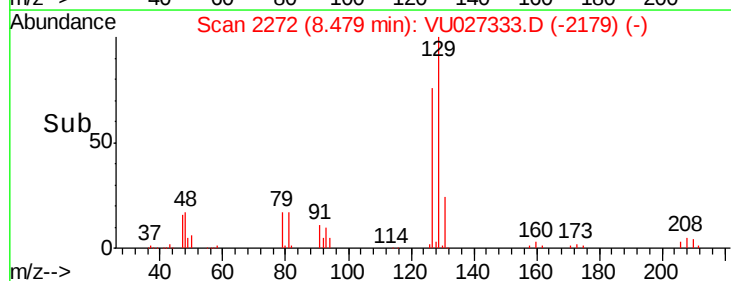
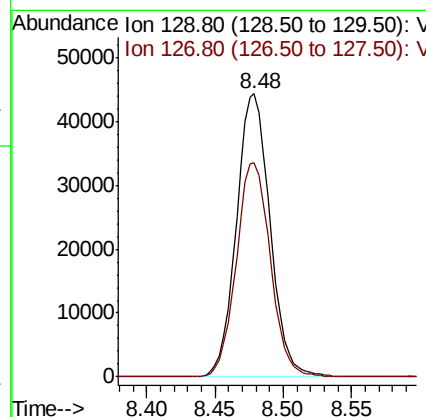
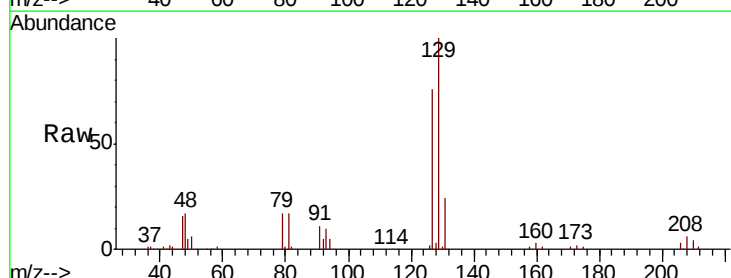
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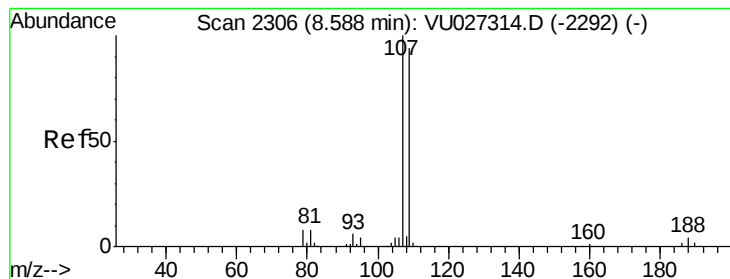
MMDadoda
10/3/2018 11:41:48 AM



#60
Dibromochloromethane
Concen: 52.155 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	76.7		39.1	117.2	





#61

1,2-Dibromoethane

Concen: 51.290 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 79139

Ion Ratio Lower Upper

107 100

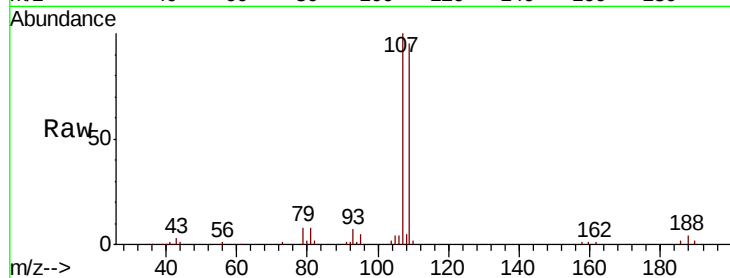
109 93.1 74.5 111.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

50000

40000

30000

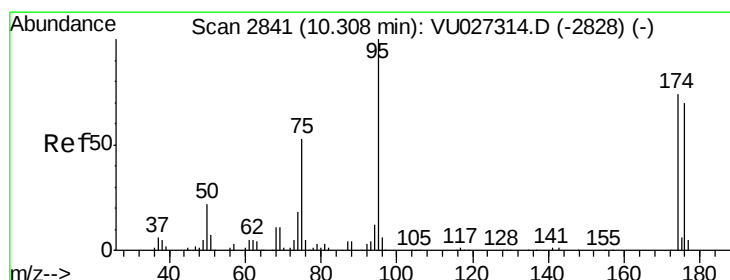
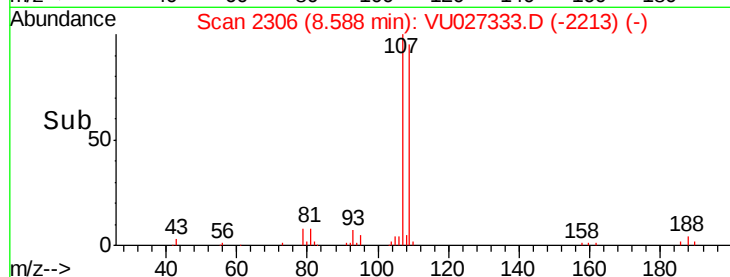
20000

10000

0

Time-->

8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 50.644 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

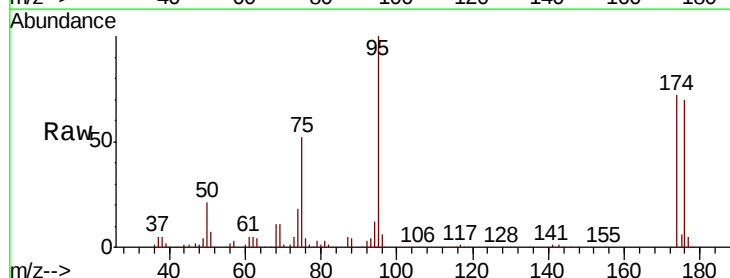
Tgt Ion: 95 Resp: 94391

Ion Ratio Lower Upper

95 100

174 72.0 0.0 147.8

176 69.9 0.0 140.8



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.31

80000

60000

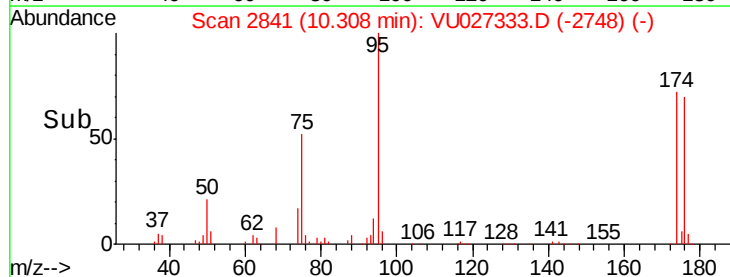
40000

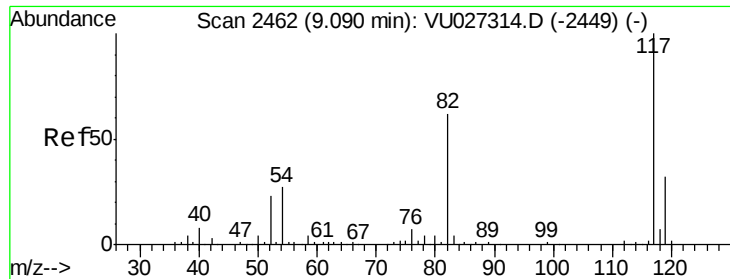
20000

0

Time-->

10.30 10.40





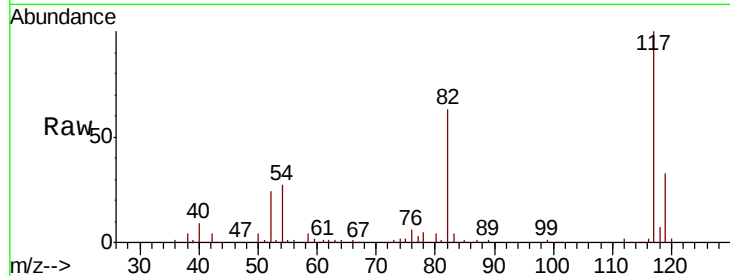
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.6	49.2	73.8
119	32.9	25.7	38.5

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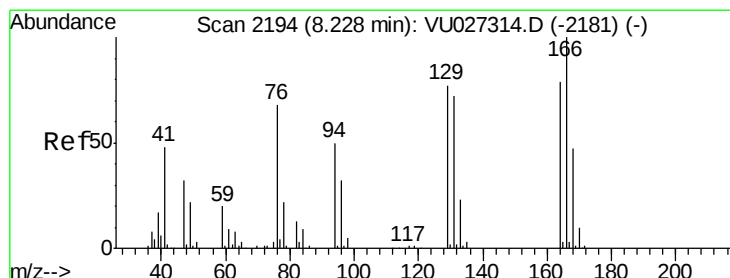
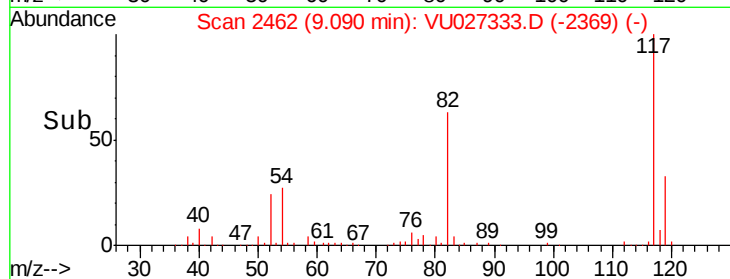
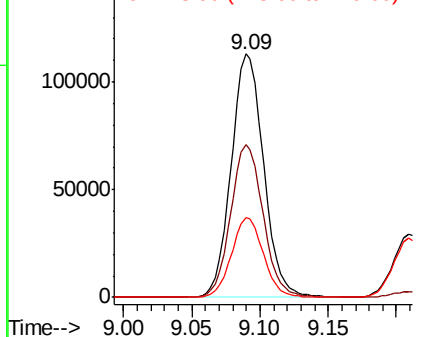


Abundance

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: 48.951 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	101.0	151.6
129	96.2	78.0	117.0
131	90.0	72.6	109.0

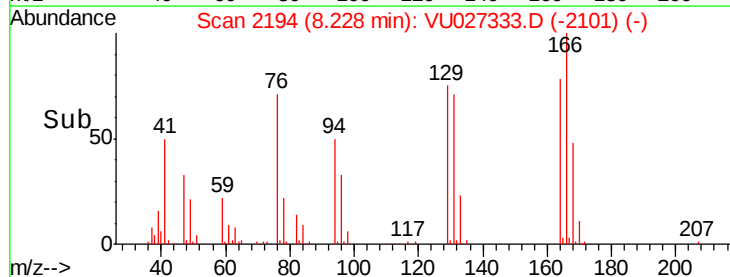
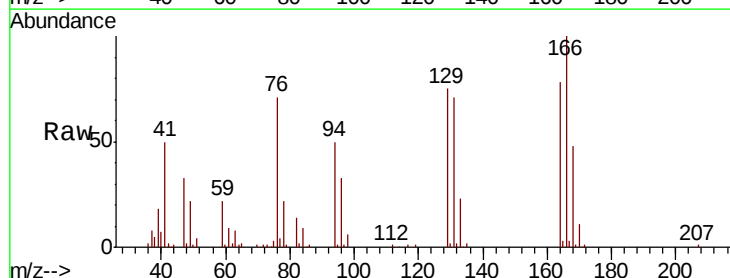
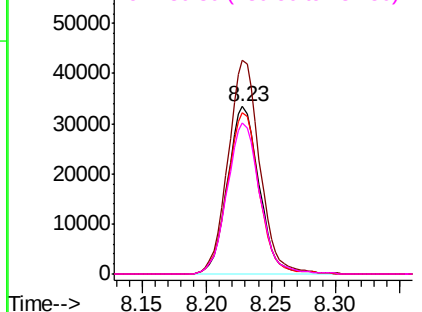
Abundance

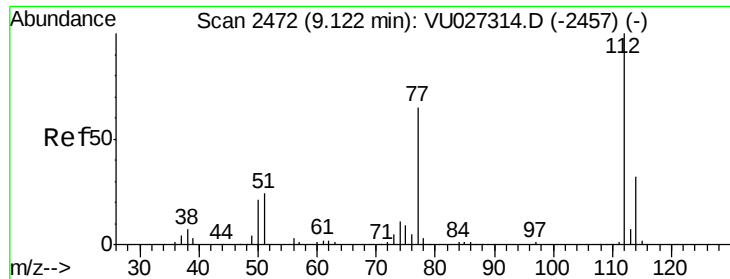
Ion 163.80 (163.50 to 164.50): V

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





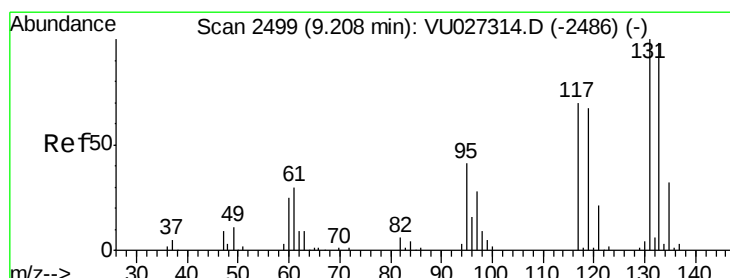
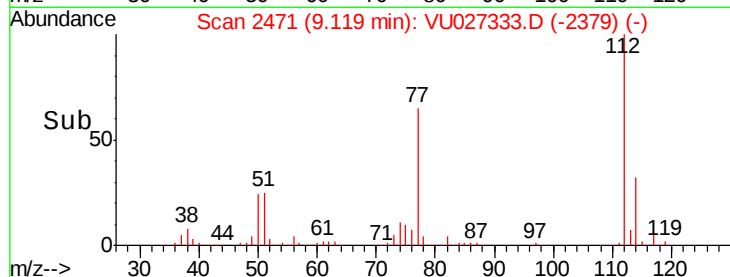
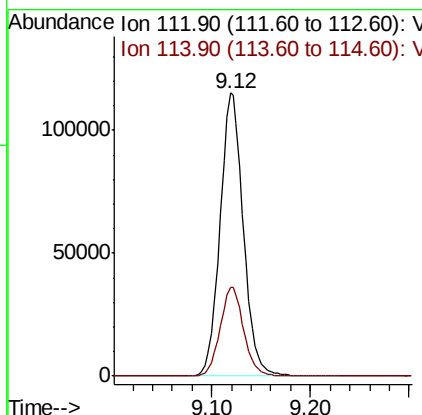
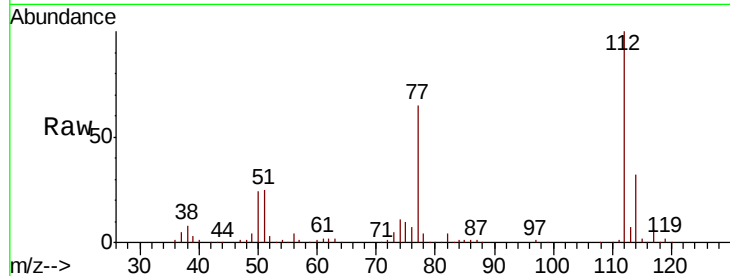
#65
Chlorobenzene
Concen: 48.505 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 190634
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

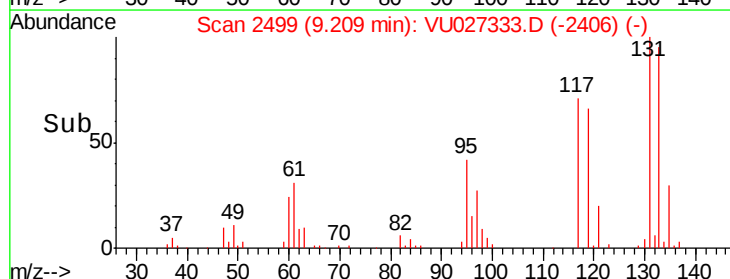
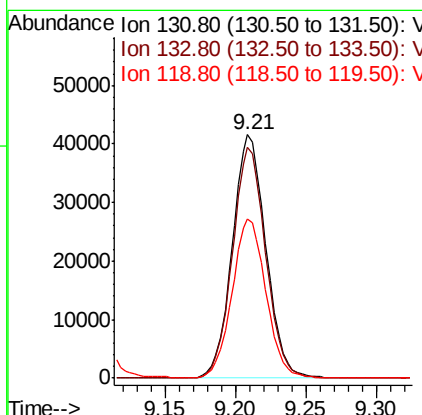
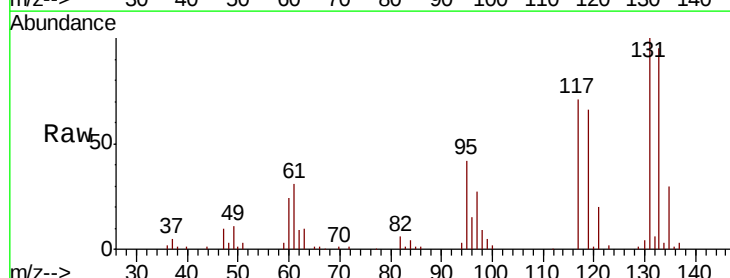
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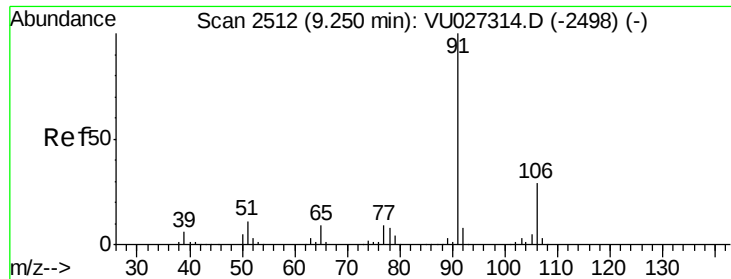
MMDadoda
10/3/2018 11:41:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.996 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion:131 Resp: 69190
Ion Ratio Lower Upper
131 100
133 94.2 48.5 145.6
119 66.0 33.5 100.4





#67

Ethyl Benzene

Concen: 50.579 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 352195

Ion Ratio Lower Upper

91 100

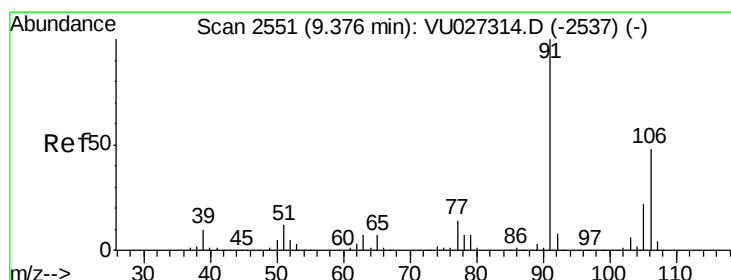
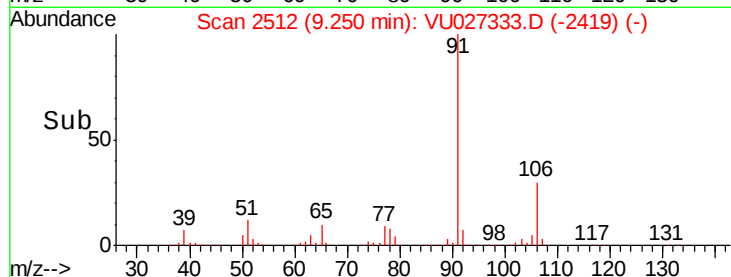
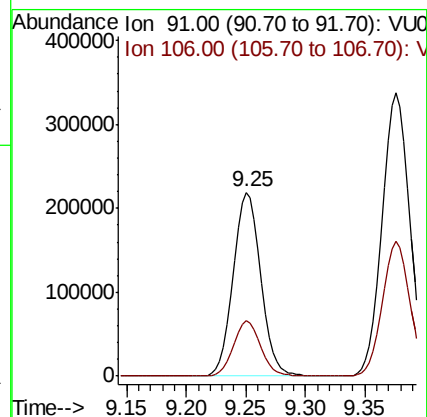
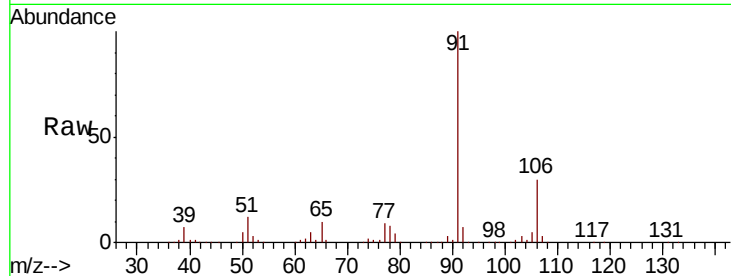
106 30.0 23.6 35.4

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#68

m/p-Xylenes

Concen: 102.355 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027333.D

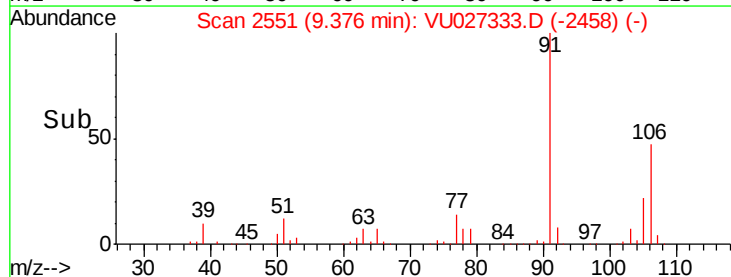
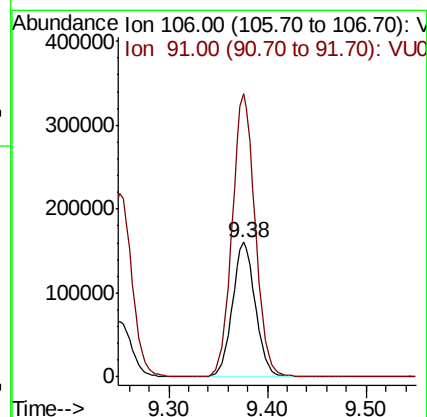
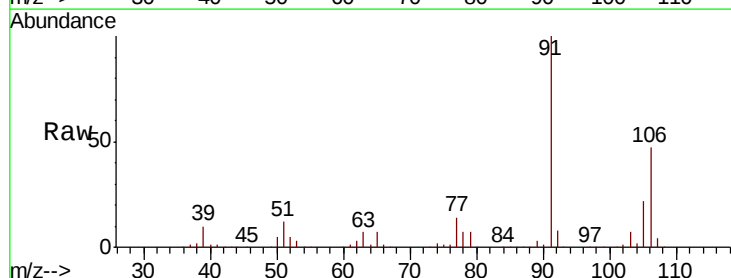
Acq: 01 Oct 2018 21:06

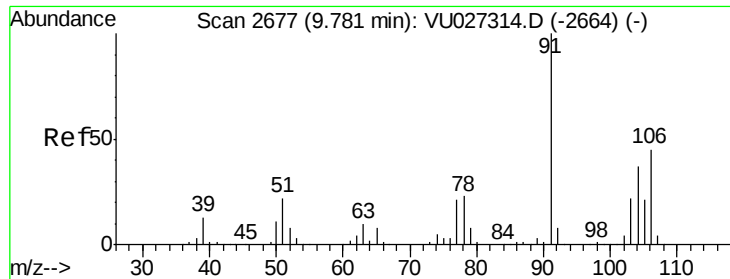
Tgt Ion: 106 Resp: 260705

Ion Ratio Lower Upper

106 100

91 210.9 168.1 252.1





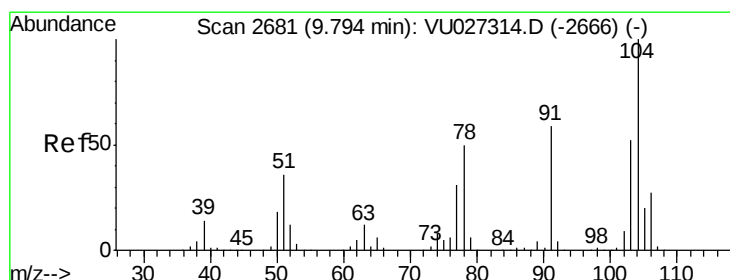
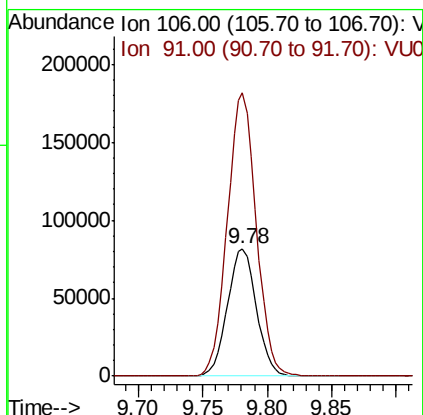
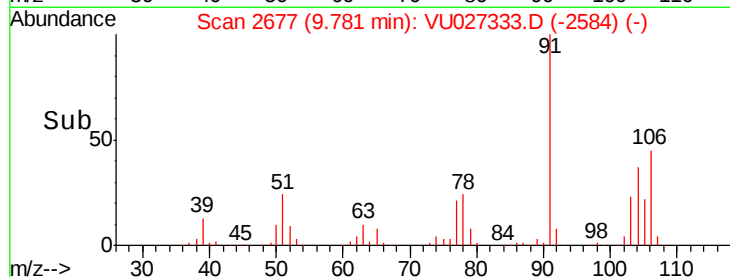
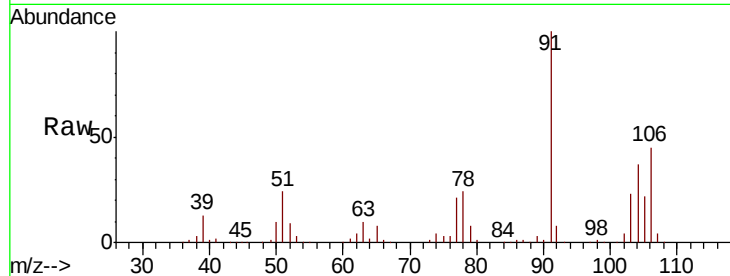
#69
o-Xylene
Concen: 52.661 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 127464
Ion Ratio Lower Upper
106 100
91 220.8 111.7 334.9

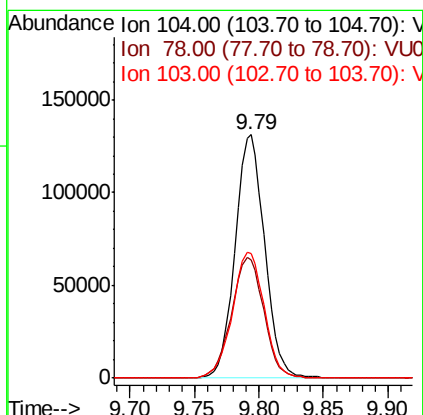
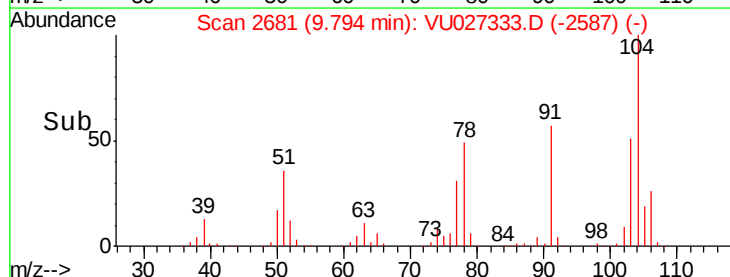
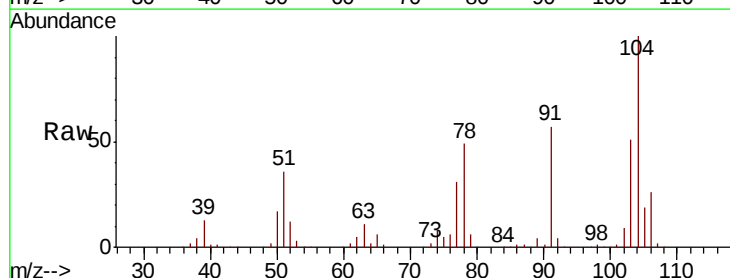
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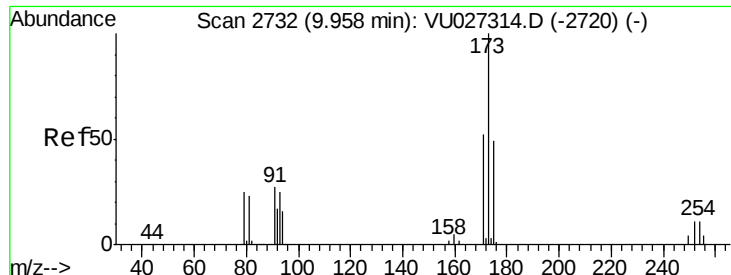
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10/3/2018 11:41:48 AM



#70
Styrene
Concen: 46.390 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion:104 Resp: 209104
Ion Ratio Lower Upper
104 100
78 54.4 42.9 64.3
103 55.8 43.9 65.9





#71

Bromoform

Concen: 50.783 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 55435

Ion Ratio Lower Upper

173 100

175 48.2 24.3 73.0

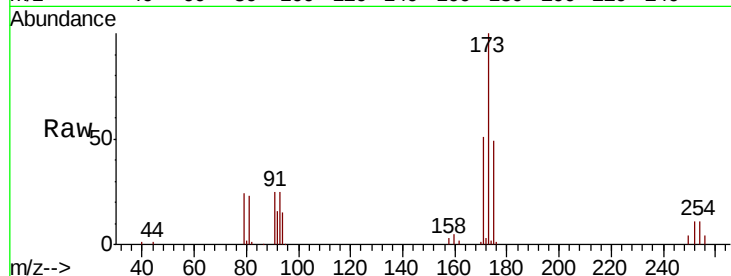
254 0.0 0.0 0.0

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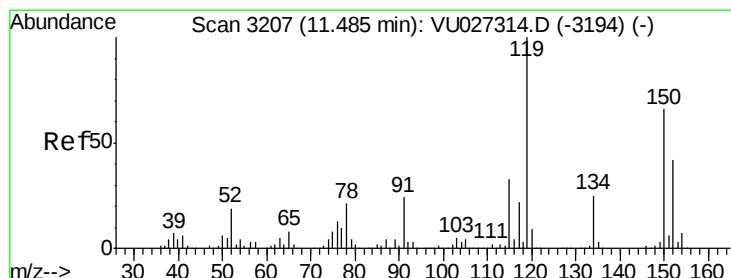
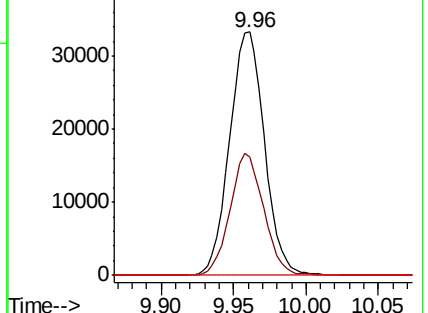
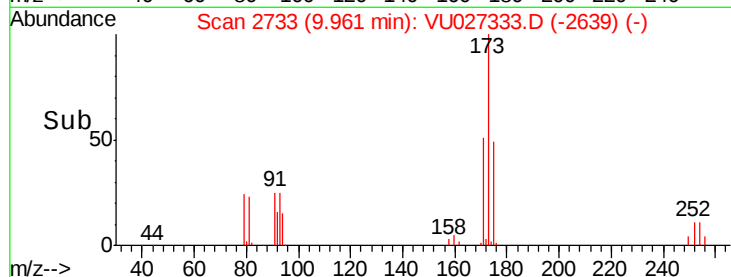
10/3/2018 11:41:48 AM



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: VU027333.D

Acq: 01 Oct 2018 21:06

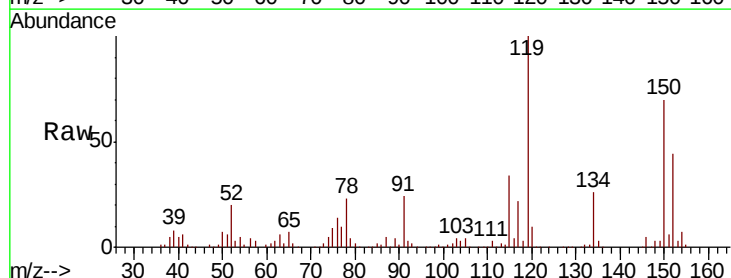
Tgt Ion:152 Resp: 92784

Ion Ratio Lower Upper

152 100

115 84.8 43.4 130.2

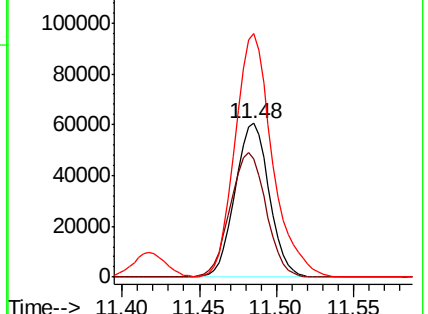
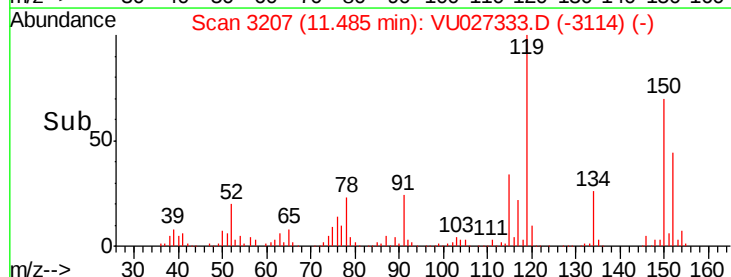
150 173.2 0.0 349.2

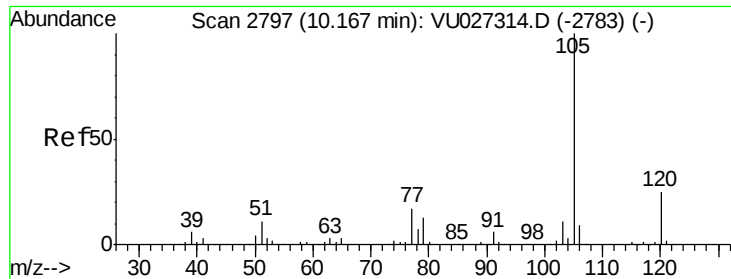


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.697 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 341632

Ion Ratio Lower Upper

105 100

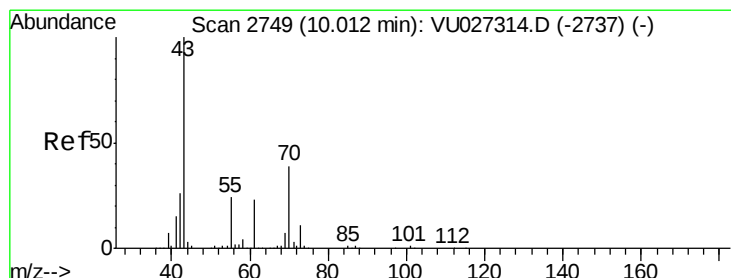
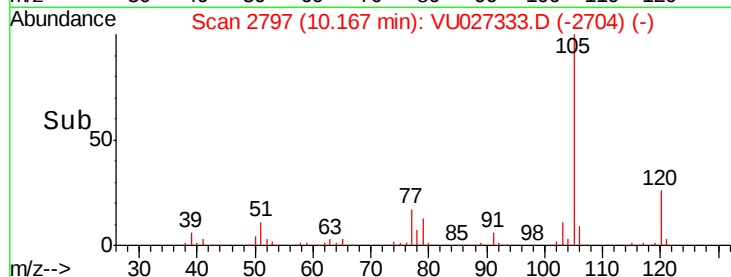
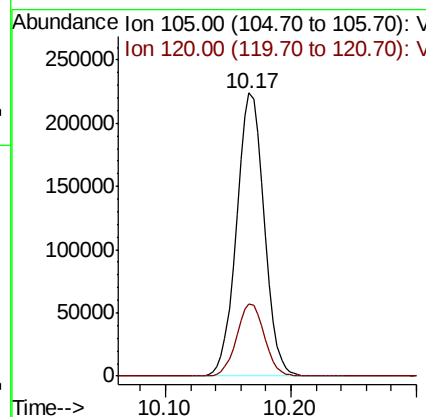
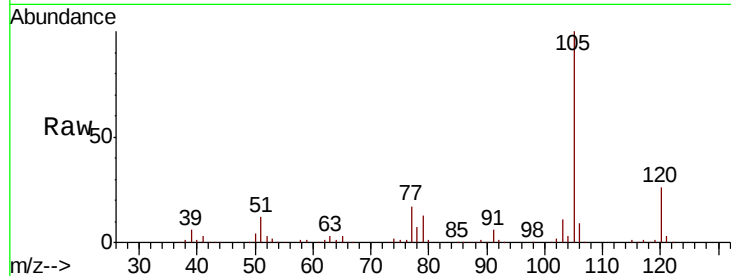
120 25.7 12.6 37.8

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#74

N-ethyl acetate

Concen: 53.176 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion: 43 Resp: 205142

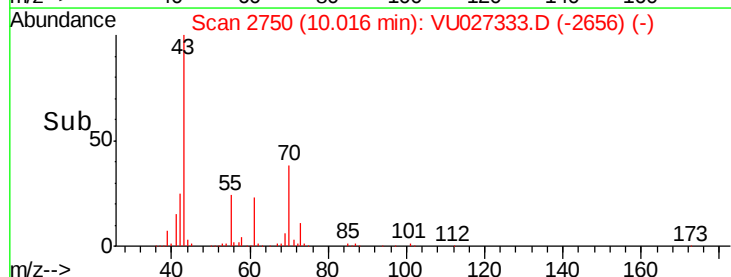
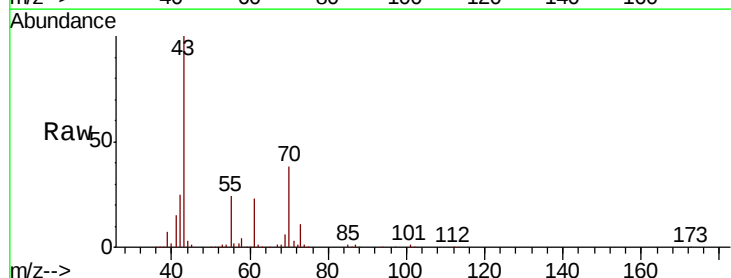
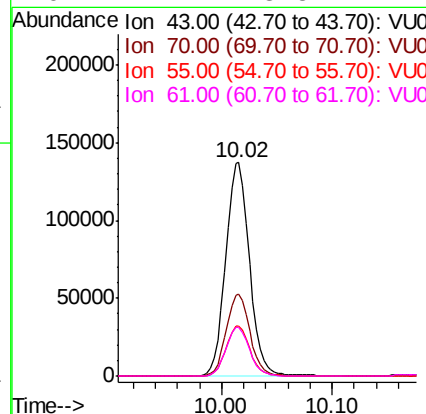
Ion Ratio Lower Upper

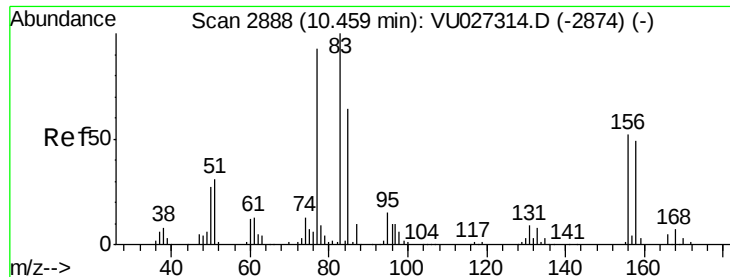
43 100

70 38.2 31.3 46.9

55 23.4 19.0 28.6

61 22.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.445 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

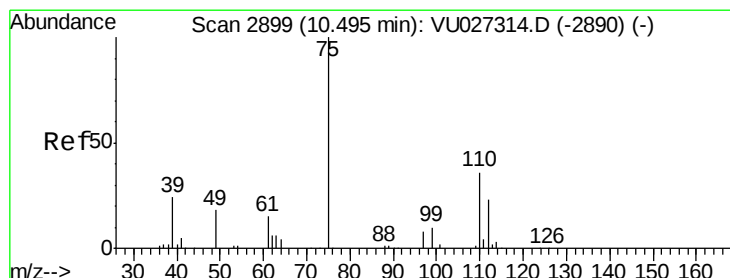
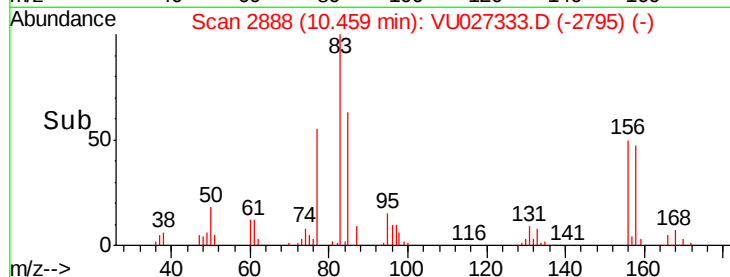
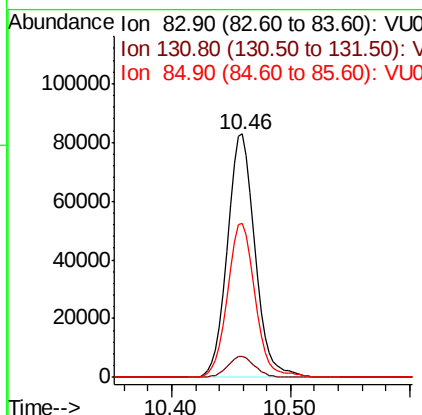
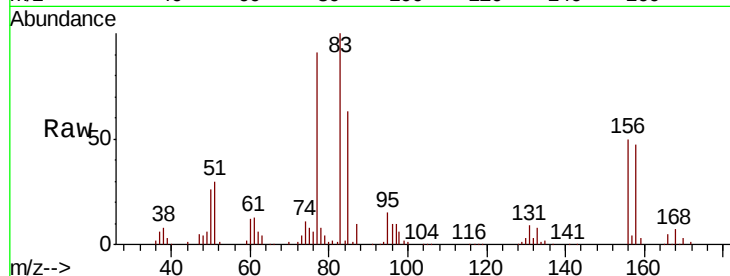
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	133480
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.4	13.2
85	63.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.057 ug/l m

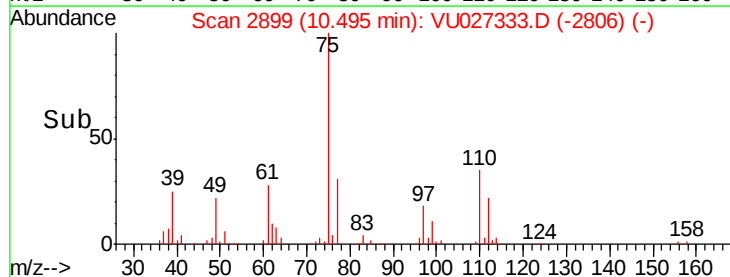
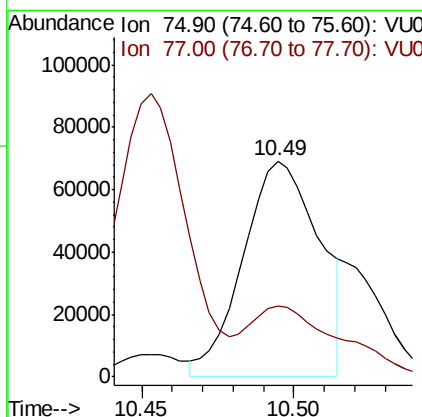
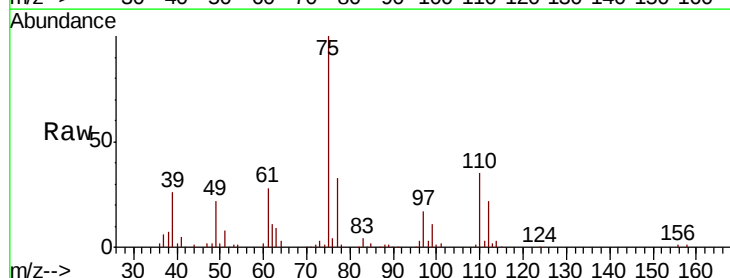
RT: 10.49 min Scan# 2899

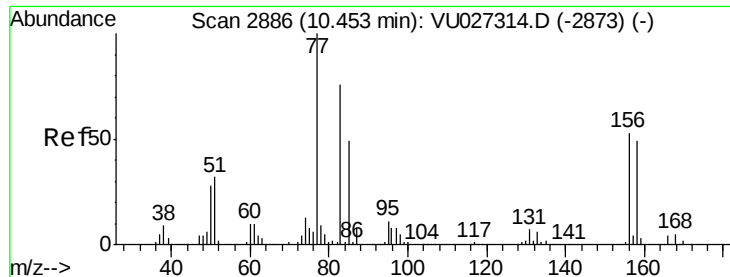
Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion:	75	Resp:	120397
Ion Ratio	Lower	Upper	
75	100		
77	38.5	20.3	60.9





#77

Bromobenzene

Concen: 49.722 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 77870

Ion Ratio Lower Upper

156 100

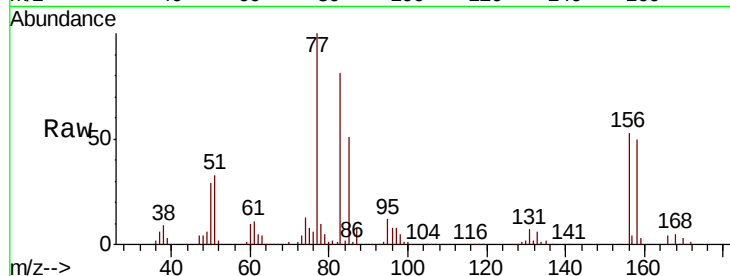
77 191.2 94.8 284.4

158 94.9 47.4 142.3

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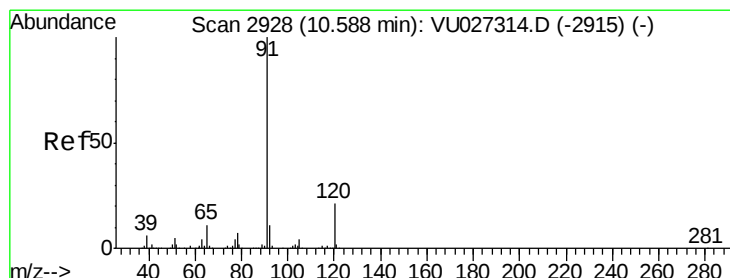
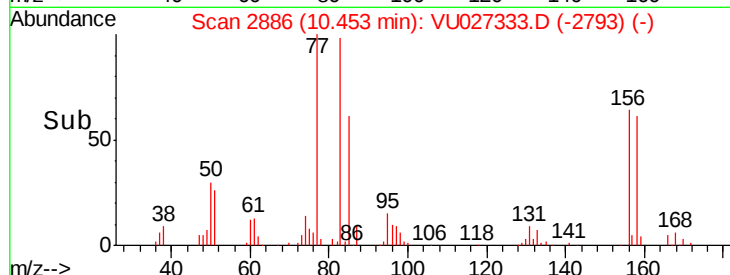
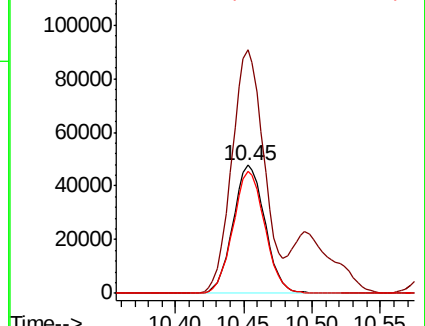
10/3/2018 11:41:48 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.047 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027333.D

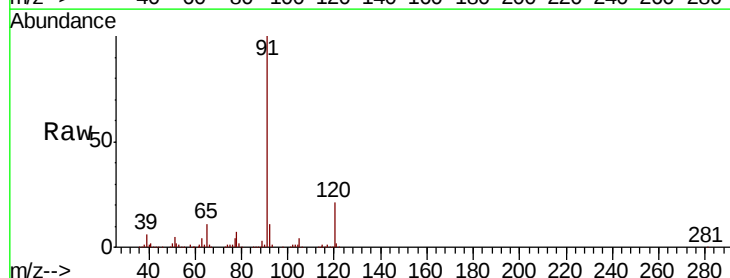
Acq: 01 Oct 2018 21:06

Tgt Ion: 91 Resp: 413352

Ion Ratio Lower Upper

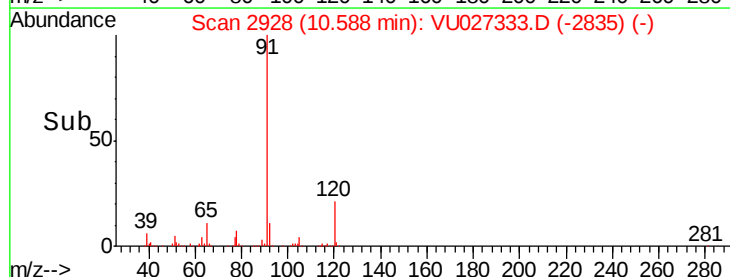
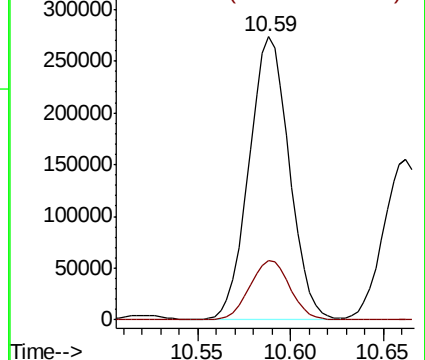
91 100

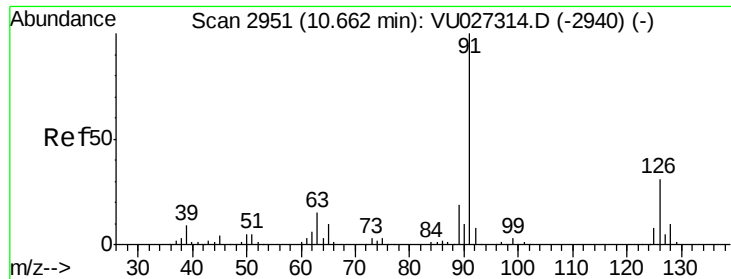
120 21.0 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.581 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 242408

Ion Ratio Lower Upper

91 100

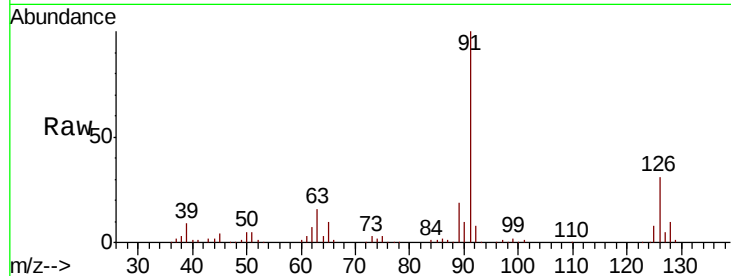
126 31.4 15.7 47.1

Manual Integrations

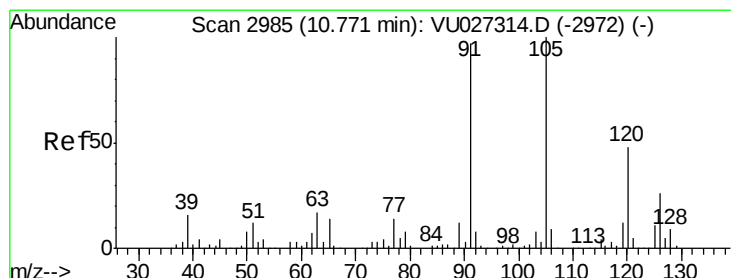
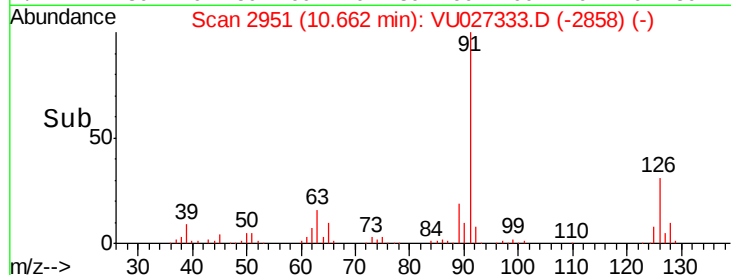
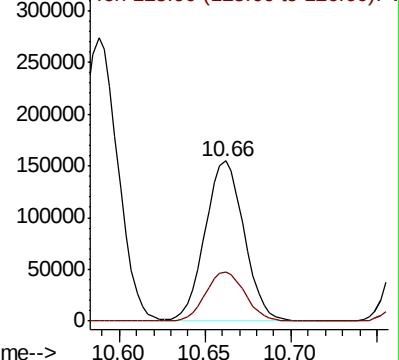
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Abundance Ion 91.00 (90.70 to 91.70): VU027333.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.723 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027333.D

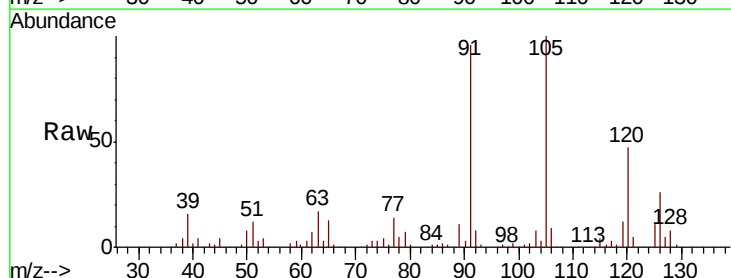
Acq: 01 Oct 2018 21:06

Tgt Ion: 105 Resp: 283771

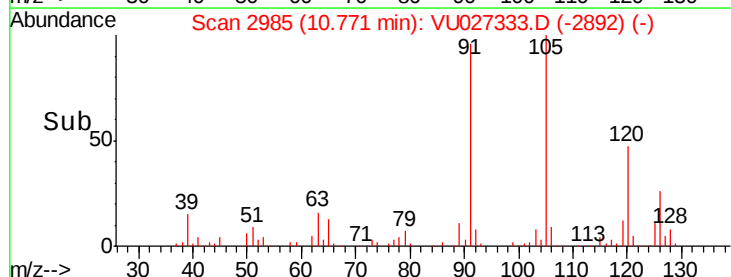
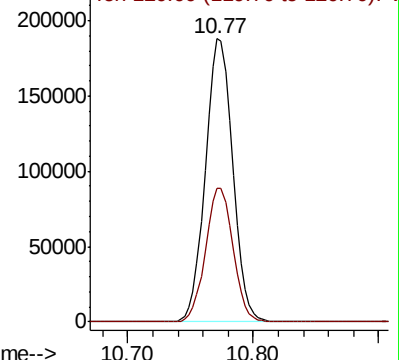
Ion Ratio Lower Upper

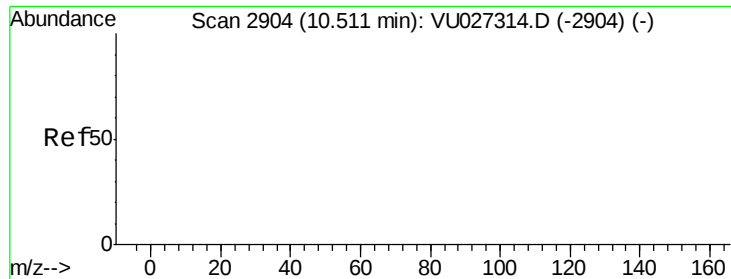
105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027333.D (-2892) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 38.611 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

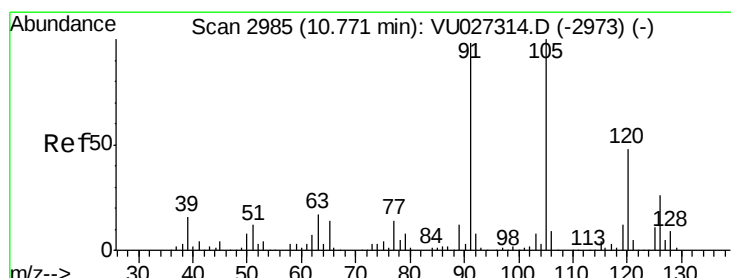
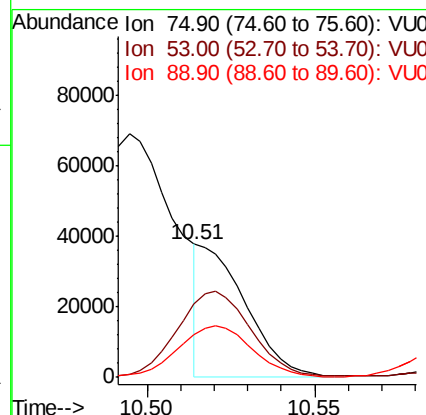
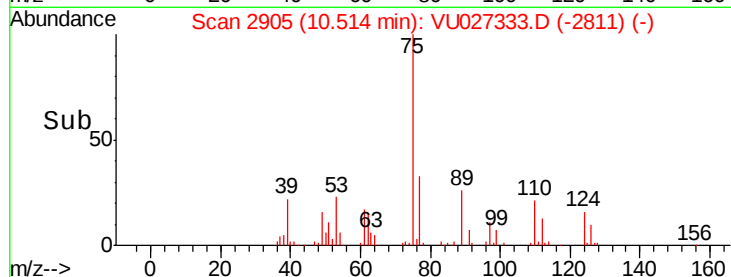
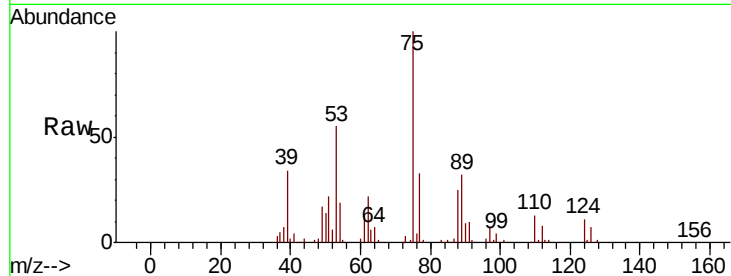
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.322 ug/l

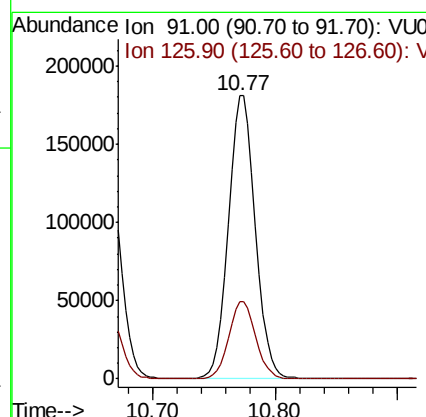
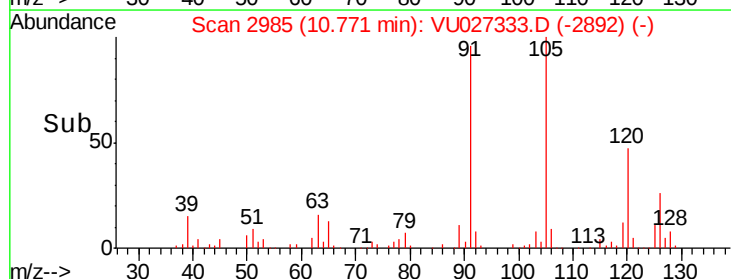
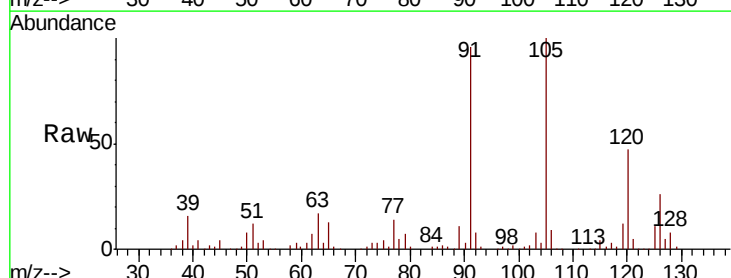
RT: 10.77 min Scan# 2985

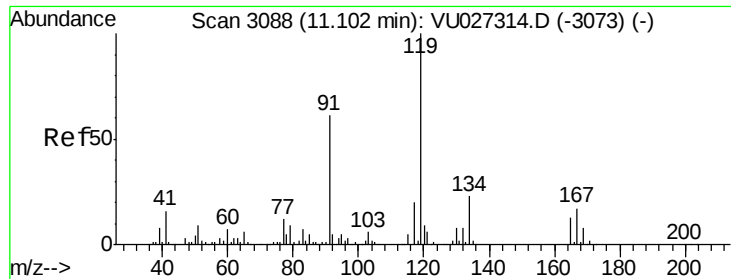
Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	27.4	13.6	40.8





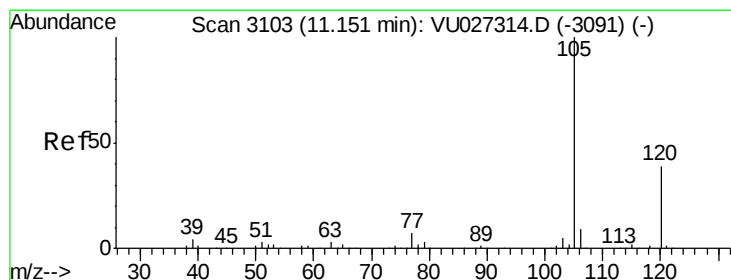
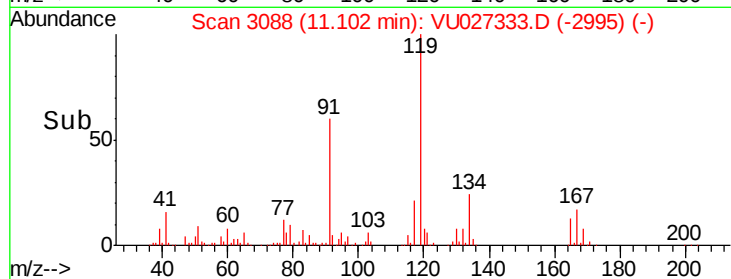
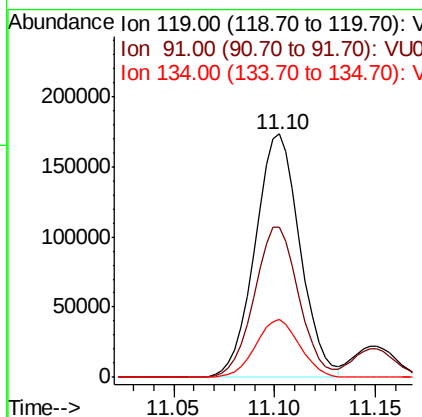
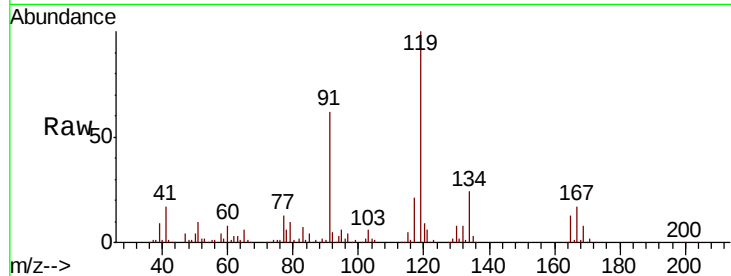
#83
tert-Butylbenzene
Concen: 50.807 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.3	91.0
134	23.2	11.5	34.4

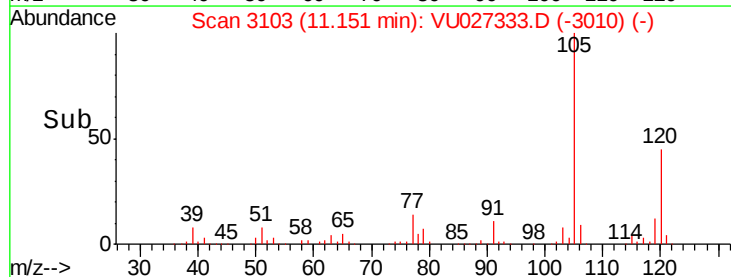
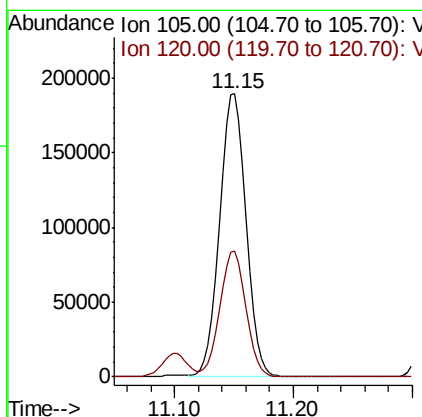
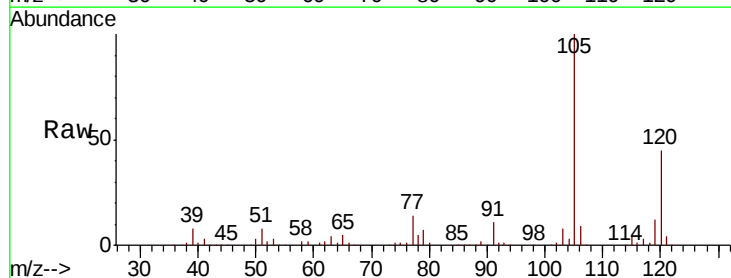
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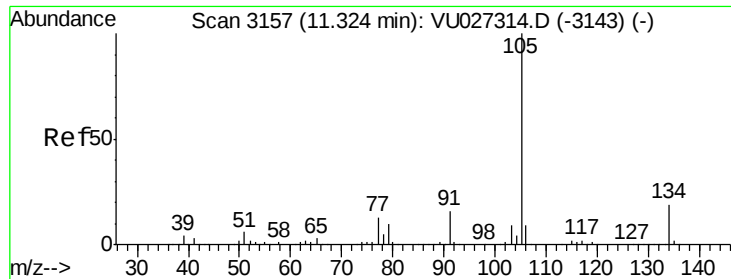
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.139 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.1	66.5





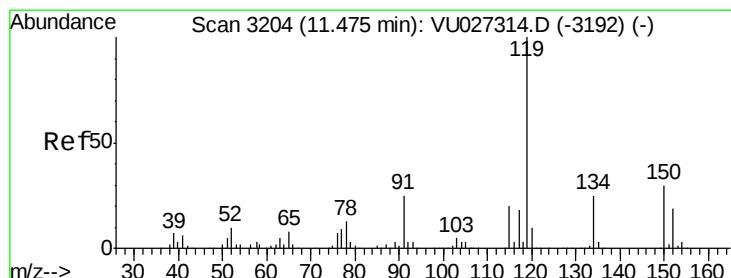
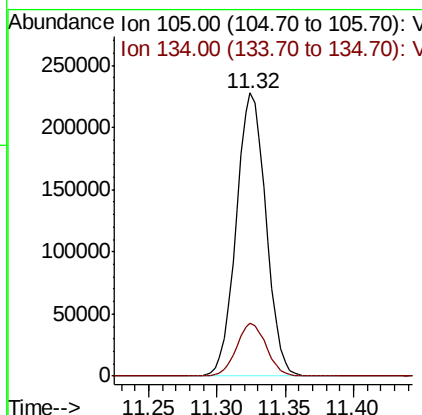
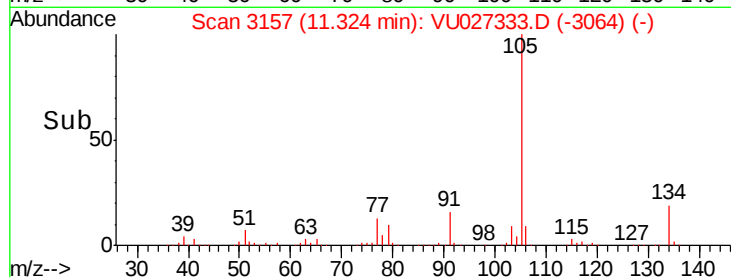
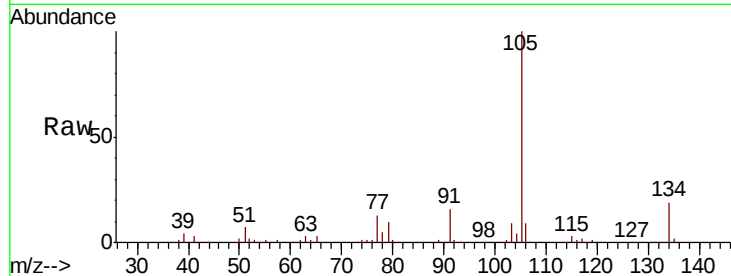
#85
 sec-Butylbenzene
 Concen: 51.548 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.6	9.6	28.6

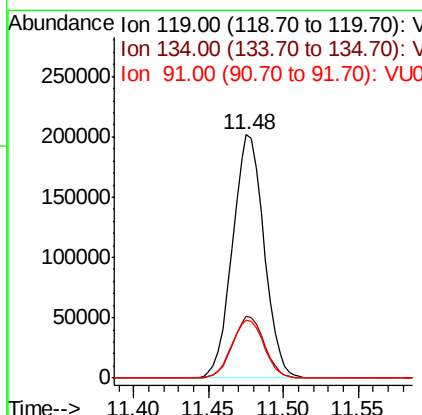
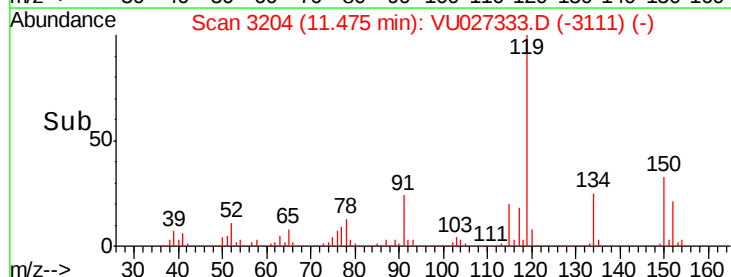
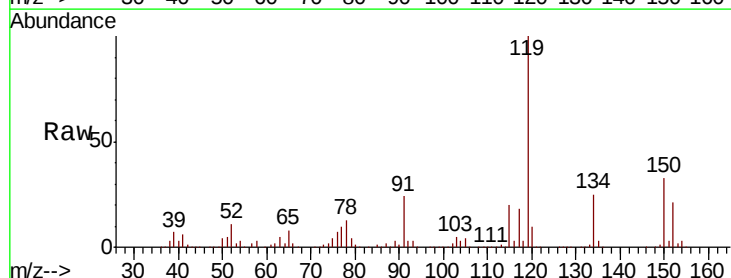
Manual Integrations
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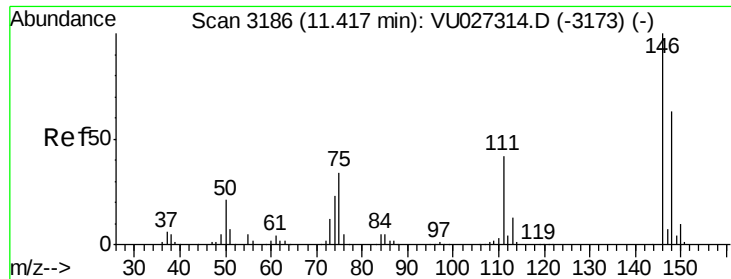
MMDadoda
 10/3/2018 11:41:48 AM



#86
 p-Isopropyltoluene
 Concen: 51.628 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	24.5	12.2	36.4





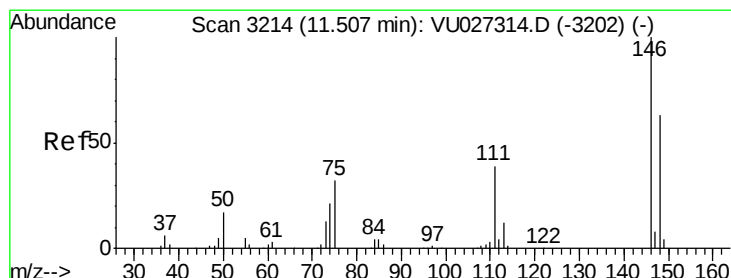
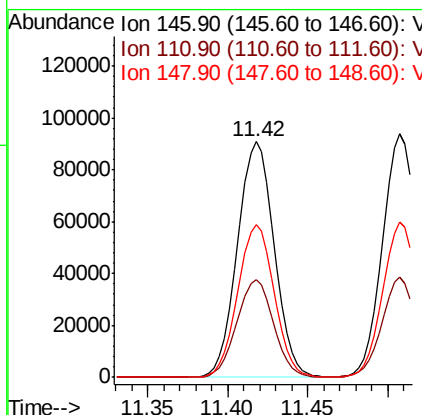
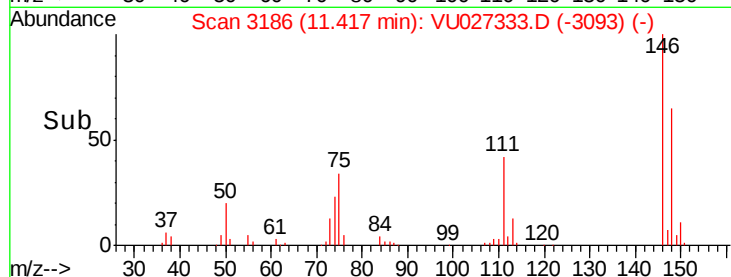
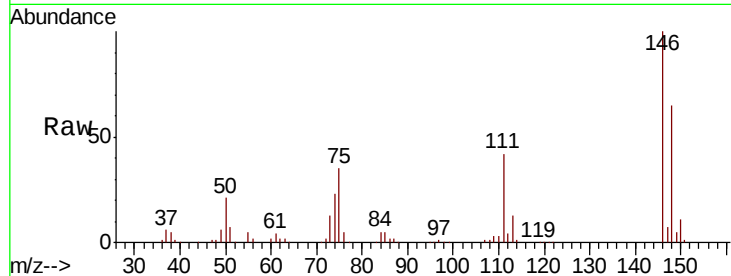
#87
 1,3-Dichlorobenzene
 Concen: 47.941 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.5
148	64.2	31.6	94.8

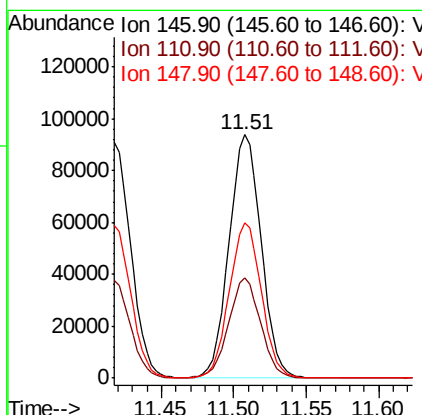
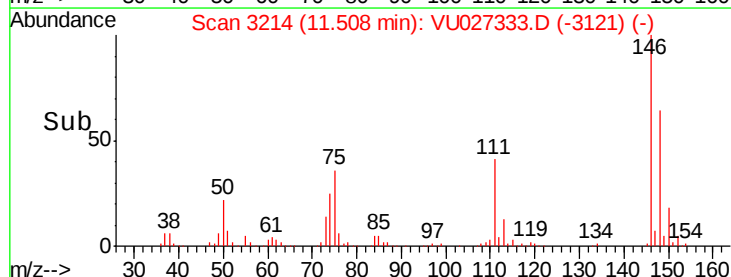
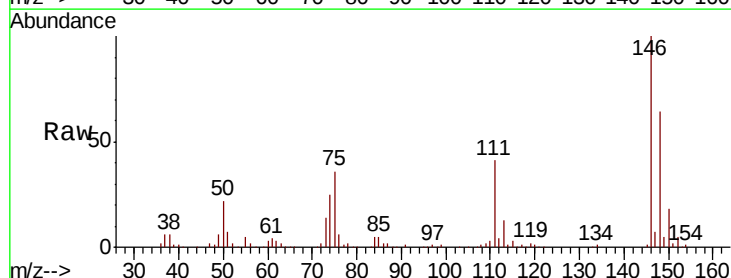
Manual Integrations
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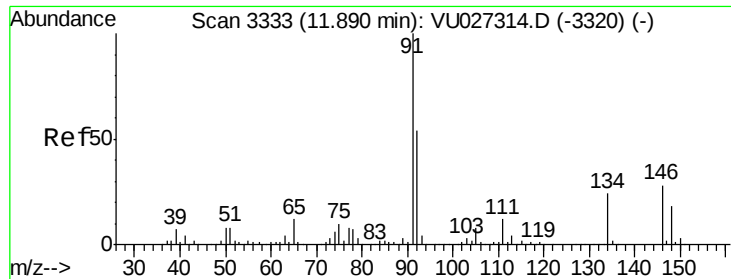
MMDadoda
 10/3/2018 11:41:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.646 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	63.7	31.9	95.5





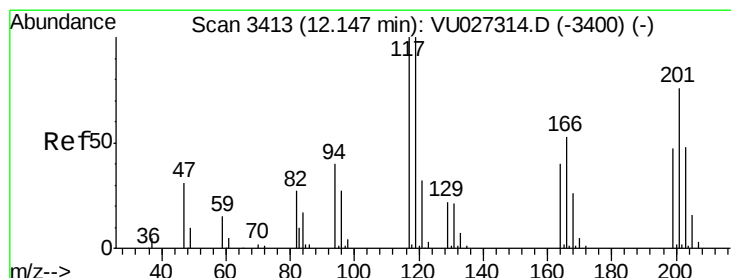
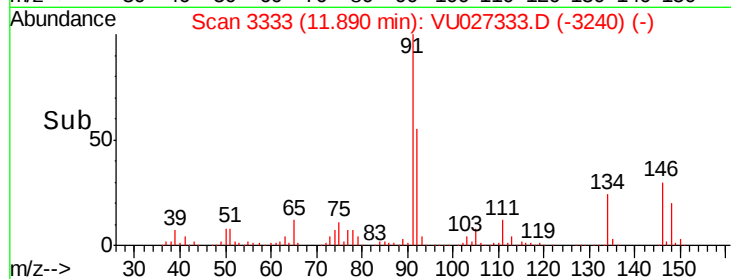
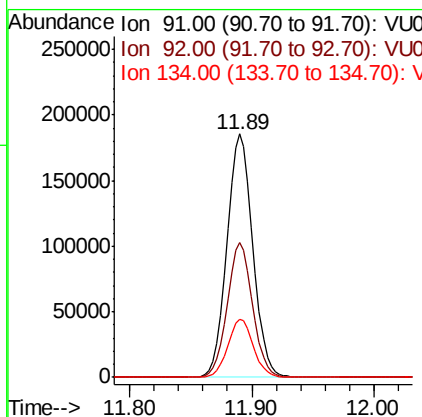
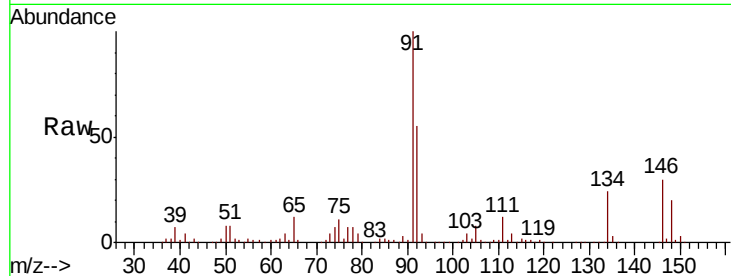
#89
n-Butylbenzene
Concen: 45.498 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.0	81.0
134	23.5	11.7	35.1

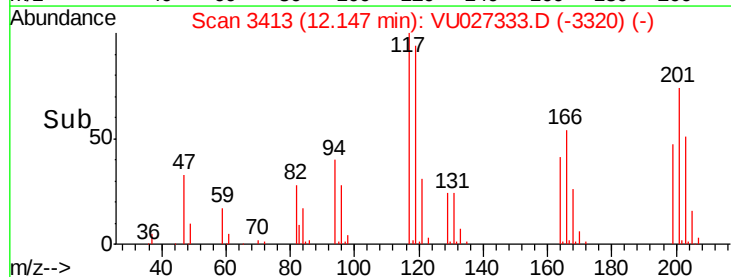
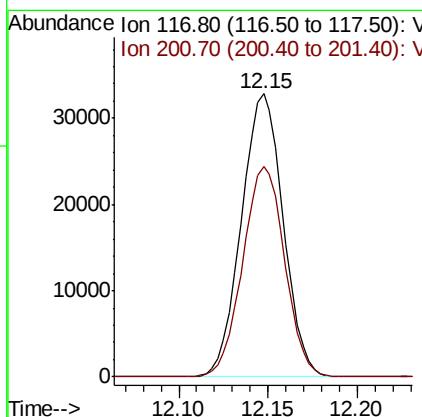
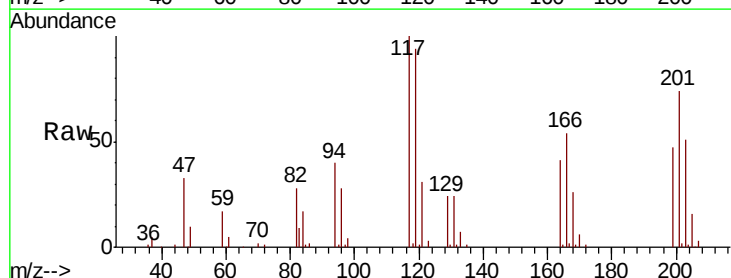
Manual Integrations
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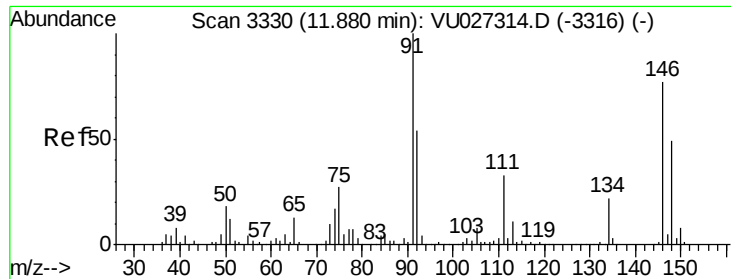
MMDadoda
10/3/2018 11:41:48 AM



#90
Hexachloroethane
Concen: 49.780 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.5	37.9	113.6





#91

1,2-Dichlorobenzene

Concen: 49.365 ug/l

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 146 Resp: 142496

Ion Ratio Lower Upper

146 100

111 43.8 21.8 65.4

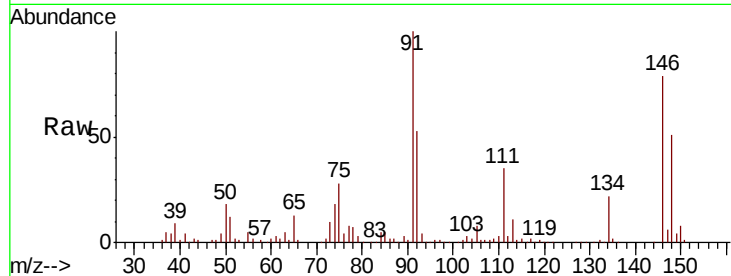
148 64.0 31.9 95.5

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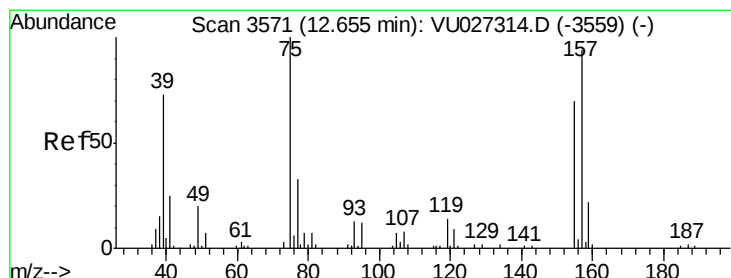
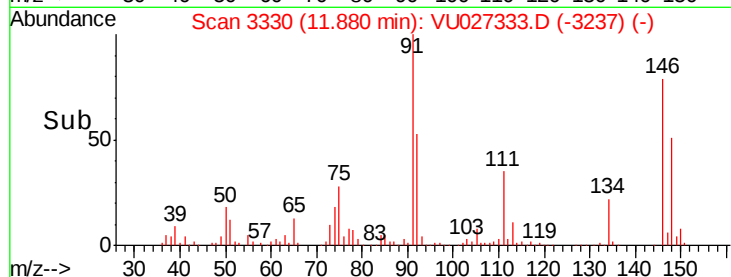
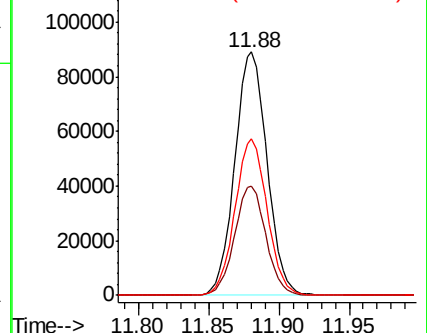
10/3/2018 11:41:48 AM



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: 51.803 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. 0.00 min

Lab File: VU027333.D

Acq: 01 Oct 2018 21:06

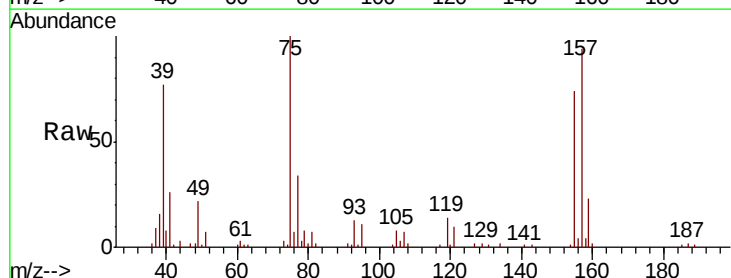
Tgt Ion: 75 Resp: 30379

Ion Ratio Lower Upper

75 100

155 73.2 35.9 107.8

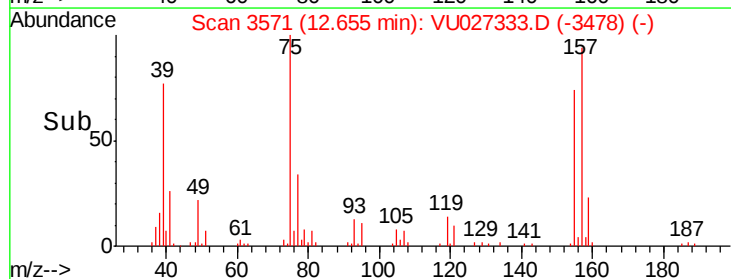
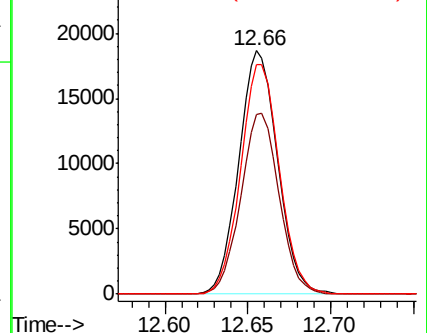
157 93.9 46.9 140.6

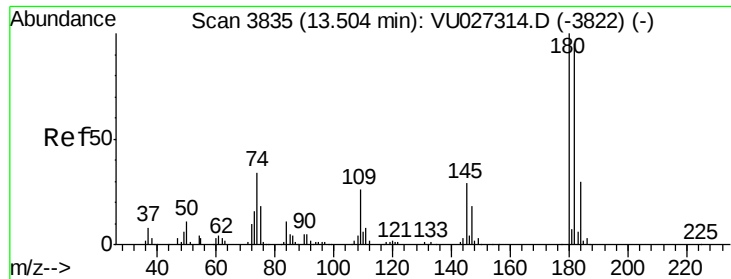


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





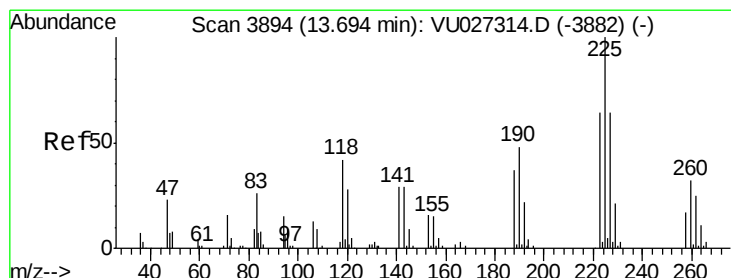
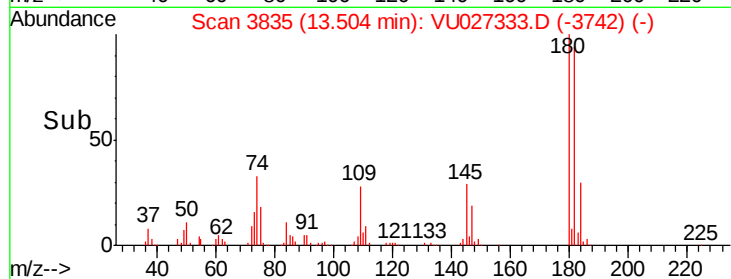
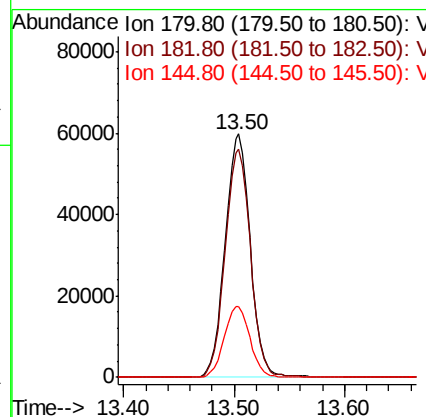
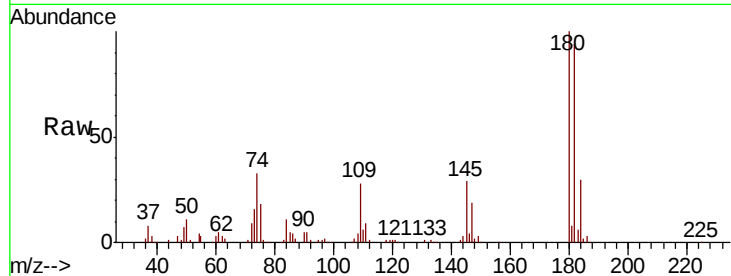
#93
 1,2,4-Trichlorobenzene
 Concen: 50.572 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.4	142.3
145	29.8	14.6	44.0

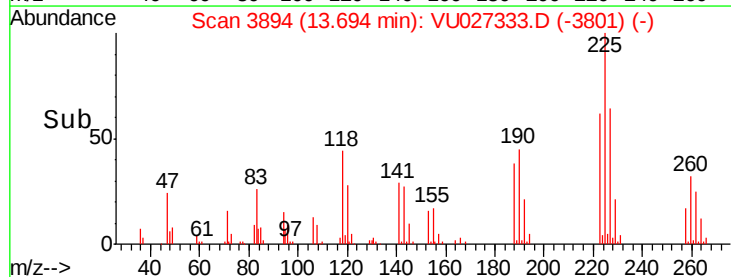
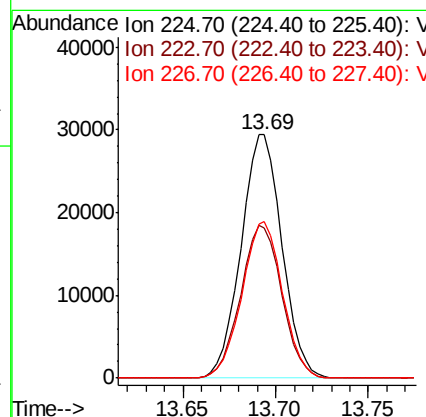
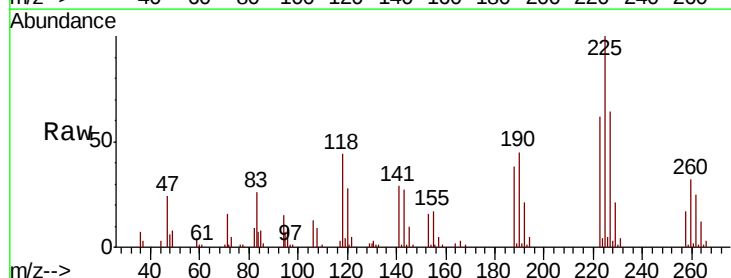
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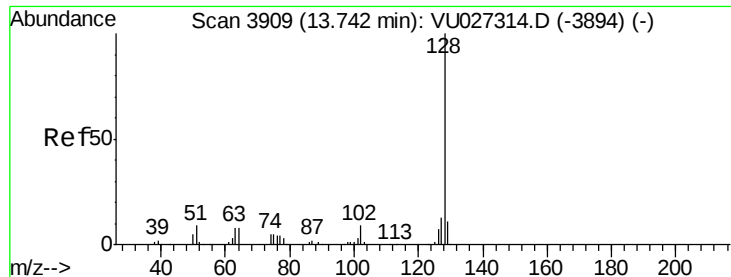
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 10/3/2018 11:41:48 AM



#94
 Hexachlorobutadiene
 Concen: 47.856 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027333.D
 Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.8	95.3
227	63.7	31.9	95.7





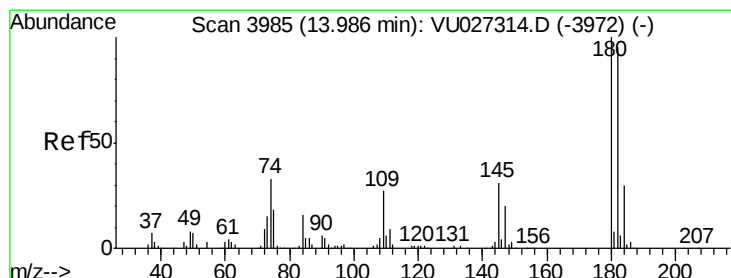
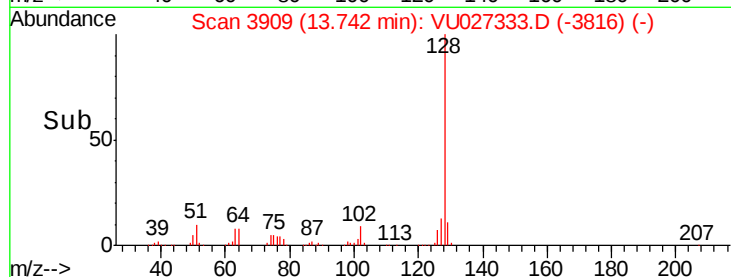
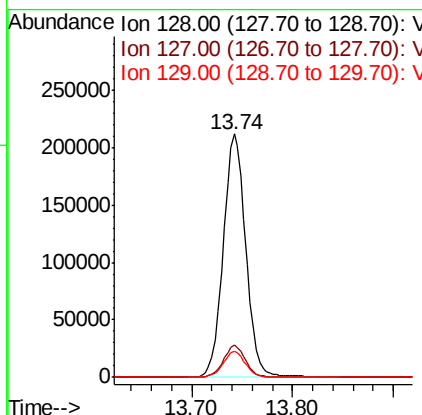
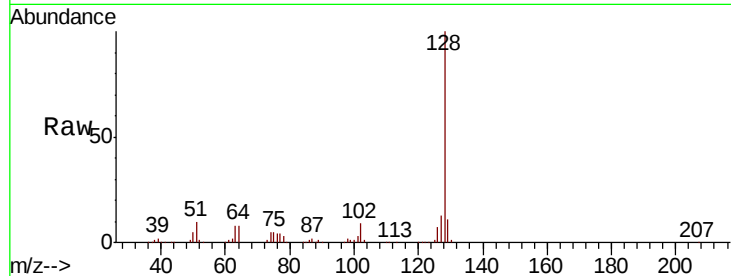
#95
Naphthalene
Concen: 47.353 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
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10/3/2018 11:41:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.724 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU027333.D
Acq: 01 Oct 2018 21:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.2
145	32.1	15.9	47.7

