

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100118\
 Data File : VU027318.D
 Acq On : 01 Oct 2018 12:52
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 11:41:43 AM

Quant Time: Oct 01 23:44:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 01 23:17:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	121460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	207858	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	195579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	93499	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	36887	19.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.28%	
35) Dibromofluoromethane	4.89	113	25557	18.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.42%	
50) Toluene-d8	7.57	98	100083	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
62) 4-Bromofluorobenzene	10.31	95	35395	18.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	35828	20.460	ug/l	99
3) Chloromethane	1.33	50	46914	19.789	ug/l	99
4) Vinyl Chloride	1.40	62	43595	19.562	ug/l	98
5) Bromomethane	1.62	94	18019	18.686	ug/l	99
6) Chloroethane	1.70	64	24201	18.072	ug/l	98
7) Trichlorofluoromethane	1.89	101	44918	19.865	ug/l	100
8) Diethyl Ether	2.11	74	20460	19.642	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25360	19.312	ug/l	99
10) Methyl Iodide	2.41	142	13306	13.919	ug/l	99
11) Tert butyl alcohol	2.83	59	40167	94.046	ug/l	98
12) 1,1-Dichloroethene	2.28	96	24042	18.739	ug/l	94
13) Acrolein	2.20	56	32728	91.322	ug/l	98
14) Allyl chloride	2.59	41	57139	18.755	ug/l	99
15) Acrylonitrile	2.94	53	106872	96.140	ug/l	99
16) Acetone	2.32	43	108329	90.413	ug/l	100
17) Carbon Disulfide	2.48	76	87769	18.968	ug/l	98
18) Methyl Acetate	2.62	43	50876	18.613	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	98882	19.235	ug/l	98
20) Methylene Chloride	2.70	84	31981	19.162	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	27870	19.349	ug/l	98
22) Diisopropyl ether	3.58	45	120285	19.425	ug/l	97
23) Vinyl Acetate	3.53	43	519785	96.117	ug/l	99
24) 1,1-Dichloroethane	3.45	63	62558	19.652	ug/l	99
25) 2-Butanone	4.26	43	156767	95.947	ug/l	99
26) 2,2-Dichloropropane	4.23	77	50040	19.130	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	31280	18.989	ug/l	99
28) Bromochloromethane	4.55	49	28303	18.428	ug/l	99
29) Tetrahydrofuran	4.64	42	101923	98.984	ug/l	99
30) Chloroform	4.68	83	54545	19.285	ug/l	98
31) Cyclohexane	5.00	56	61409	16.496	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	45908	19.273	ug/l	98
36) 1,1-Dichloropropene	5.14	75	42820	18.973	ug/l	99
37) Ethyl Acetate	4.38	43	55155	19.819	ug/l	99
38) Carbon Tetrachloride	5.14	117	39086	19.172	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	49294	18.685	ug/l	98
40) Benzene	5.39	78	125888	19.149	ug/l	99
41) Methacrylonitrile	4.54	41	31496	19.105	ug/l	98
42) 1,2-Dichloroethane	5.41	62	46655	19.119	ug/l	99
43) Isopropyl Acetate	5.55	43	86574	19.111	ug/l	99
44) Trichloroethene	6.19	130	27354	18.660	ug/l	95
45) 1,2-Dichloropropane	6.43	63	36649	19.328	ug/l	96
46) Dibromomethane	6.56	93	20894	19.510	ug/l	99
47) Bromodichloromethane	6.76	83	42569	19.157	ug/l	99
48) Methyl methacrylate	6.62	41	42630	18.924	ug/l	98
49) 1,4-Dioxane	6.61	88	15329	395.483	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	283975	96.469	ug/l	99
52) Toluene	7.64	92	75342	19.363	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	50066	19.216	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	54287	19.382	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29897	19.379	ug/l	99
56) Ethyl methacrylate	8.02	69	49992	19.525	ug/l	99
57) 1,3-Dichloropropane	8.24	76	58063	19.387	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	148885	104.093	ug/l	99
59) 2-Hexanone	8.36	43	219708	96.216	ug/l	100
60) Dibromochloromethane	8.48	129	29931	19.344	ug/l	99
61) 1,2-Dibromoethane	8.59	107	31644	19.292	ug/l	100
64) Tetrachloroethene	8.23	164	23509	19.309	ug/l	94
65) Chlorobenzene	9.12	112	78522	19.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	27448	19.313	ug/l	99
67) Ethyl Benzene	9.25	91	138077	18.931	ug/l	99
68) m/p-Xylenes	9.38	106	102131	38.281	ug/l	99
69) o-Xylene	9.78	106	48903	19.289	ug/l	100
70) Styrene	9.79	104	80831	19.415	ug/l	99
71) Bromoform	9.96	173	21382	18.700	ug/l #	98
73) Isopropylbenzene	10.17	105	134194	19.761	ug/l	100
74) N-amyl acetate	10.01	43	74291	19.110	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	51627	19.362	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	46960m	18.016	ug/l	
77) Bromobenzene	10.45	156	30160	19.111	ug/l	99
78) n-propylbenzene	10.59	91	158797	19.461	ug/l	100
79) 2-Chlorotoluene	10.66	91	96105	19.506	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	109814	19.863	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	16807m	16.617	ug/l	
82) 4-Chlorotoluene	10.77	91	108768	19.454	ug/l	98
83) tert-Butylbenzene	11.10	119	104026	19.463	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	111413	19.728	ug/l	99
85) sec-Butylbenzene	11.32	105	133961	19.893	ug/l	99
86) p-Isopropyltoluene	11.48	119	113183	19.630	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	56048	18.755	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	58196	19.057	ug/l	99
89) n-Butylbenzene	11.89	91	102406	19.041	ug/l	99
90) Hexachloroethane	12.15	117	20308	18.685	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	56067	19.275	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11609	19.645	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	35917	19.083	ug/l	99
94) Hexachlorobutadiene	13.69	225	17794	18.712	ug/l	98
95) Naphthalene	13.74	128	122718	19.447	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	37575	19.162	ug/l	99

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

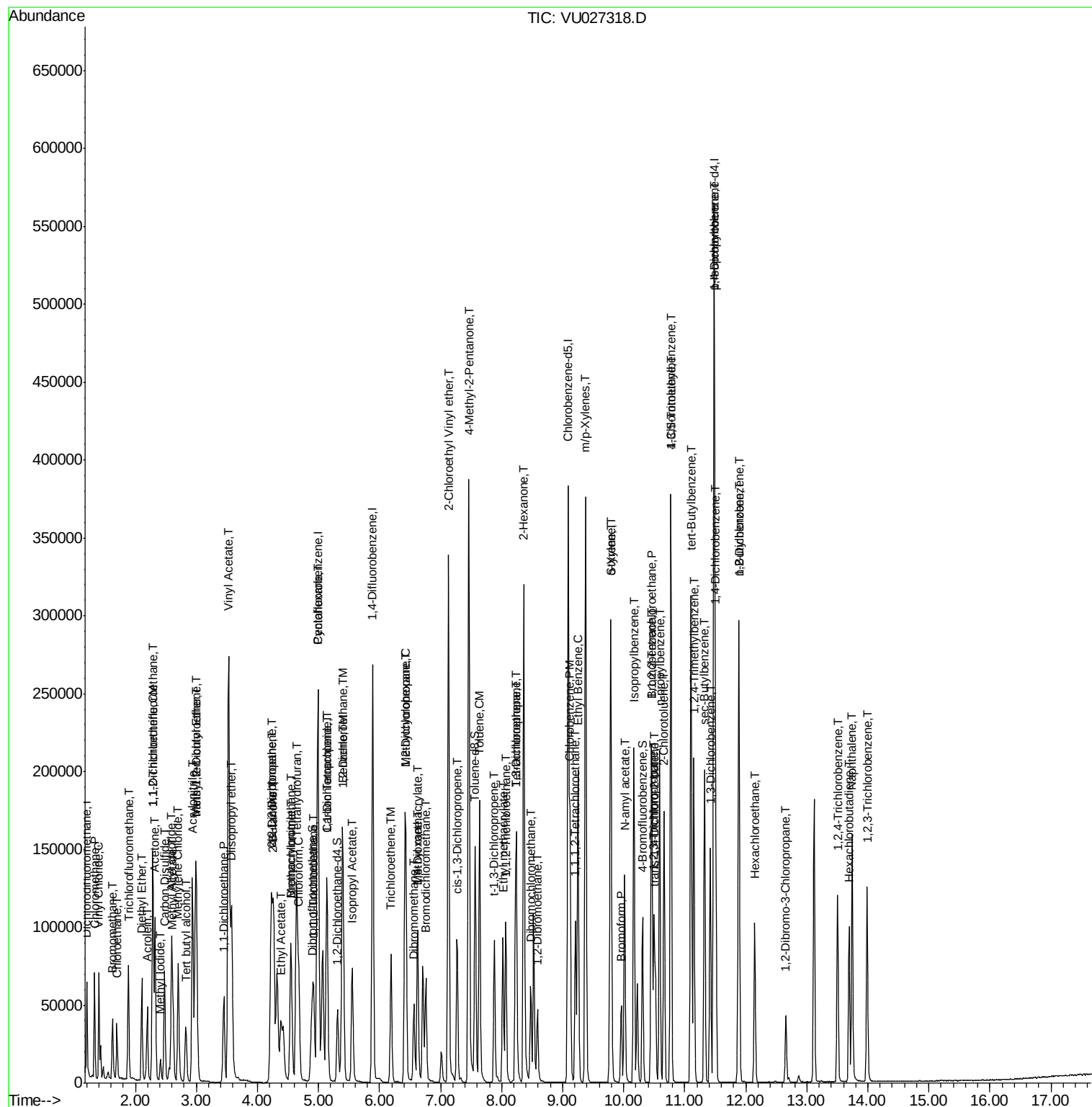
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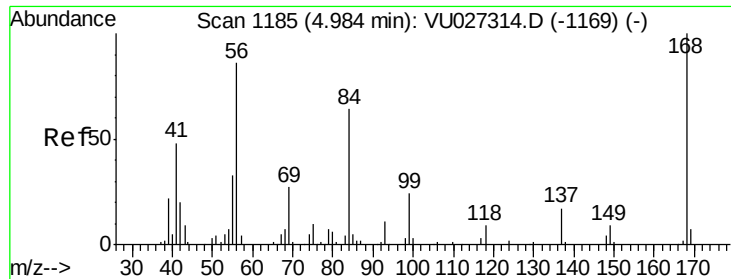
Instrument :
MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 121460

Ion Ratio Lower Upper

168 100

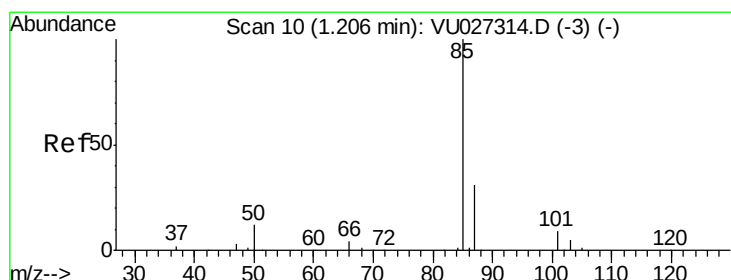
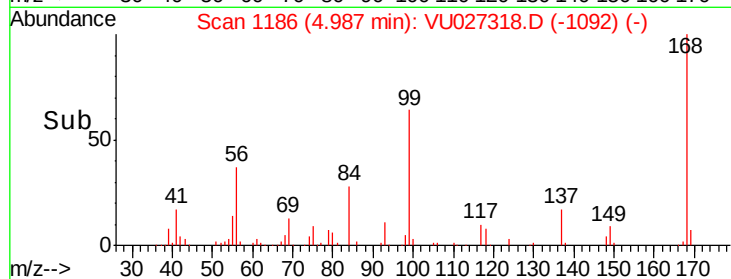
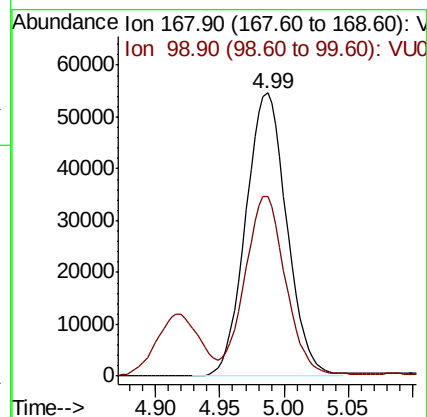
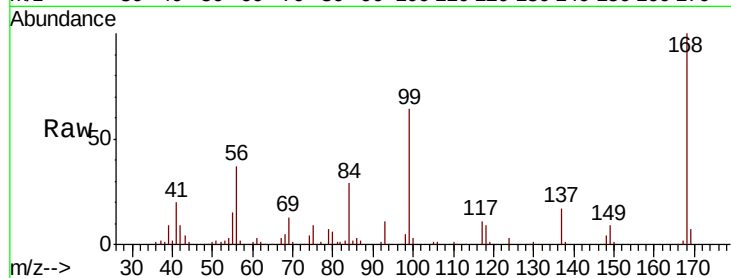
99 62.6 50.8 76.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.460 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027318.D

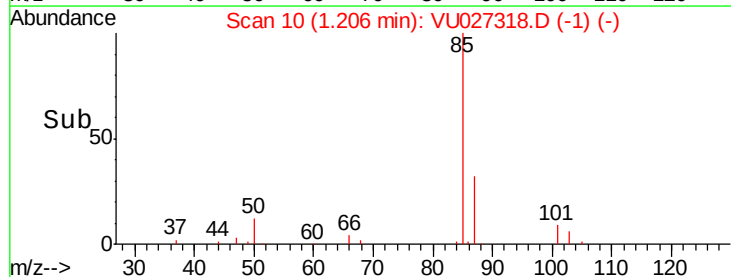
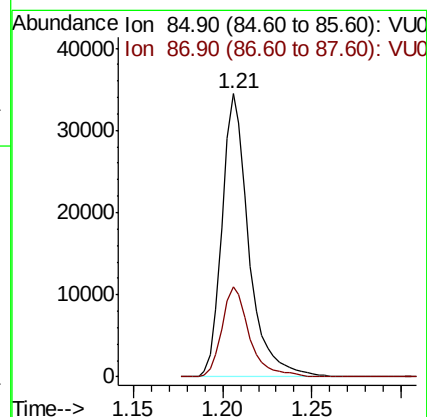
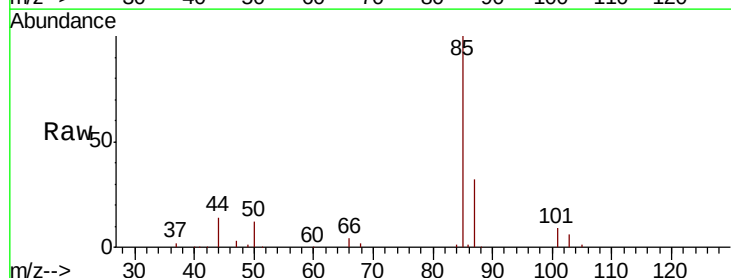
Acq: 01 Oct 2018 12:52

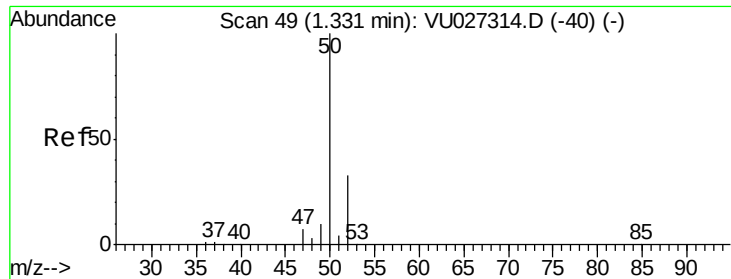
Tgt Ion: 85 Resp: 35828

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.1





#3

Chloromethane

Concen: 19.789 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 46914

Ion Ratio Lower Upper

50 100

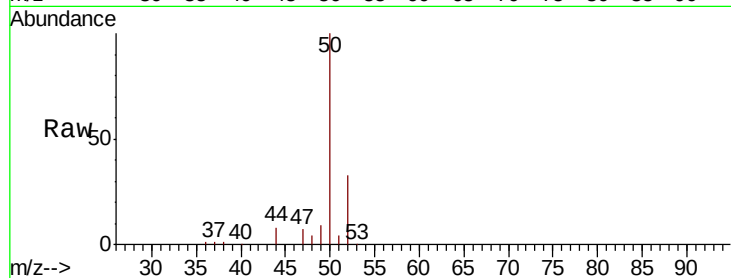
52 32.6 26.5 39.7

Manual Integrations

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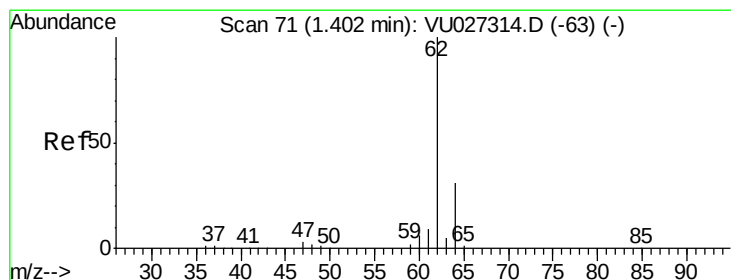
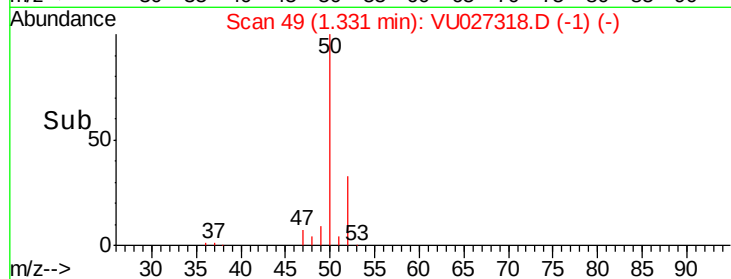
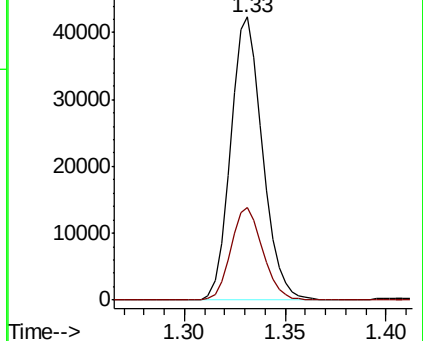
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 19.562 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027318.D

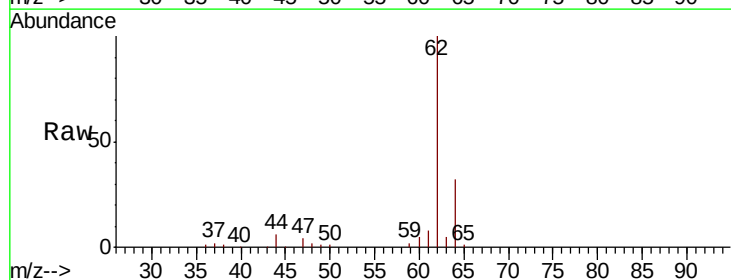
Acq: 01 Oct 2018 12:52

Tgt Ion: 62 Resp: 43595

Ion Ratio Lower Upper

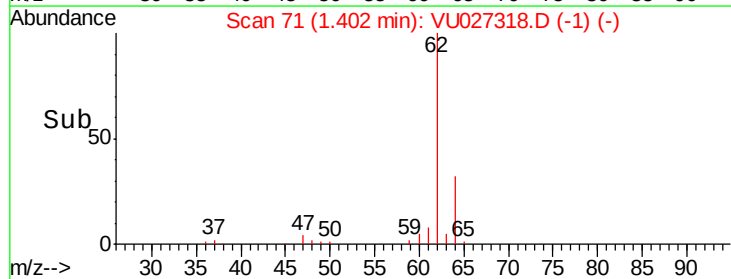
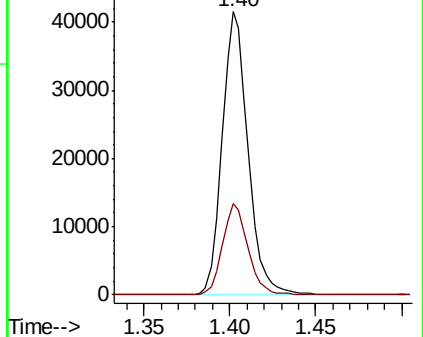
62 100

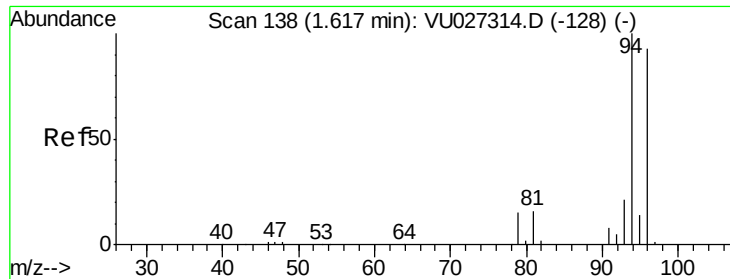
64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.686 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

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ClientSampleId :

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Tot Ion: 94 Resp: 18019

Ion Ratio Lower Upper

94 100

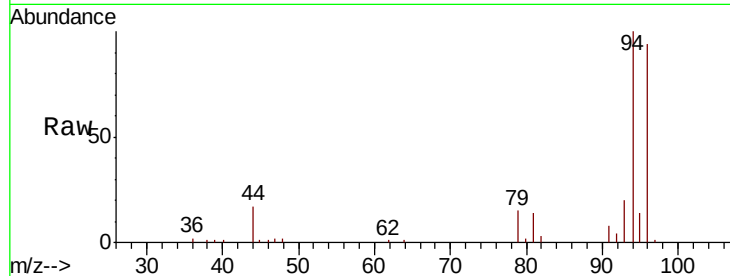
96 94.3 74.6 111.8

Manual Integrations

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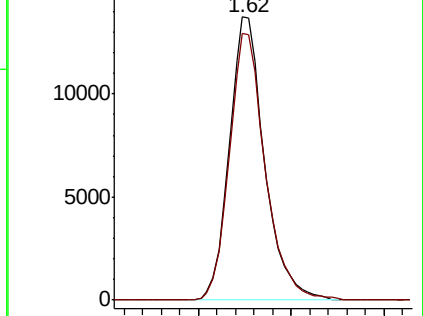
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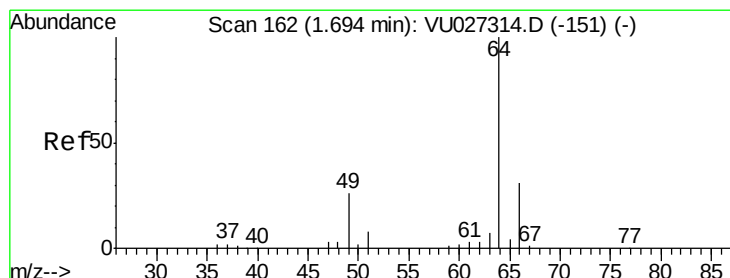
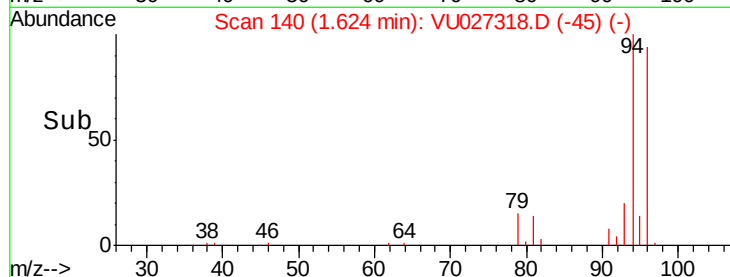


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 18.072 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027318.D

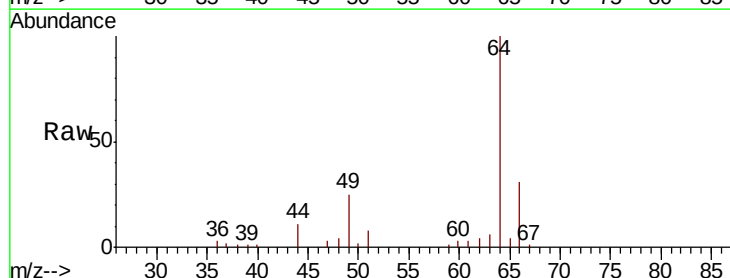
Acq: 01 Oct 2018 12:52

Tgt Ion: 64 Resp: 24201

Ion Ratio Lower Upper

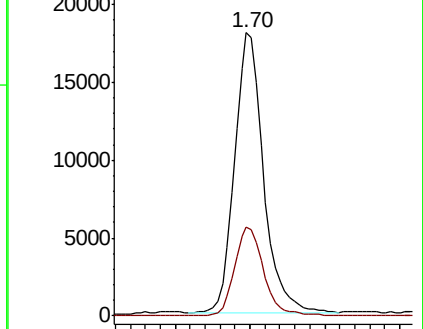
64 100

66 31.7 24.6 36.8

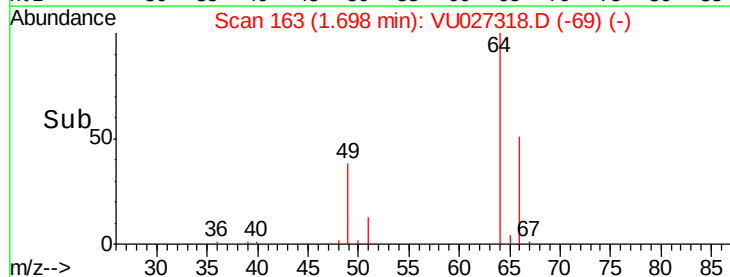


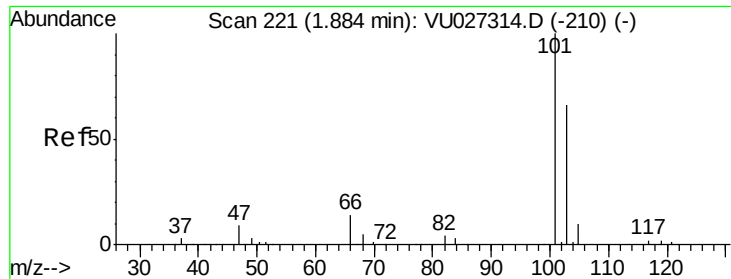
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

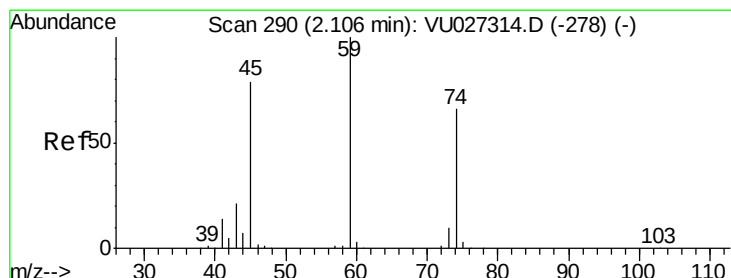
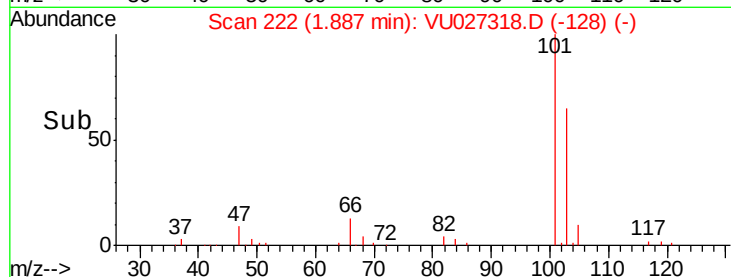
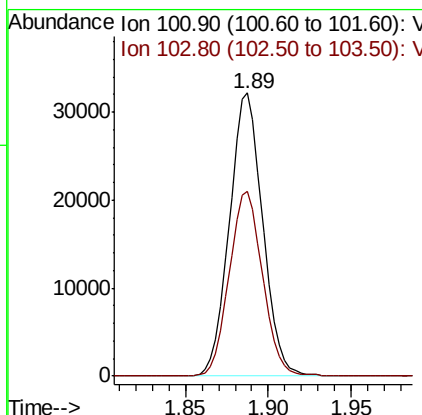
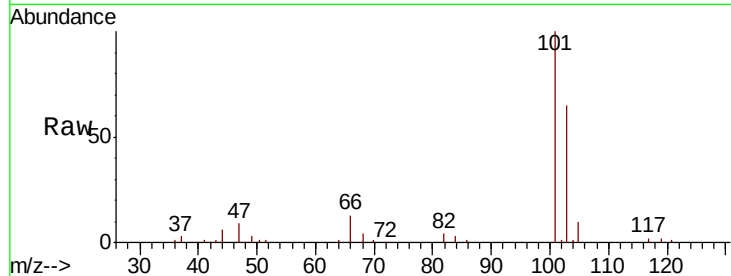
Trichlorofluoromethane
Concen: 19.865 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

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ClientSampleId :
VSTDIC020

Tot Ion:101 Resp: 44918
Ion Ratio Lower Upper
101 100
103 65.4 52.6 78.8

Manual Integrations
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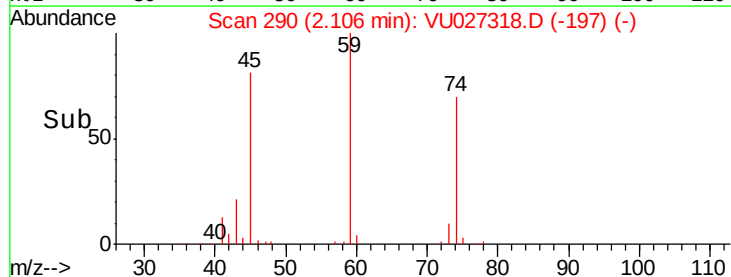
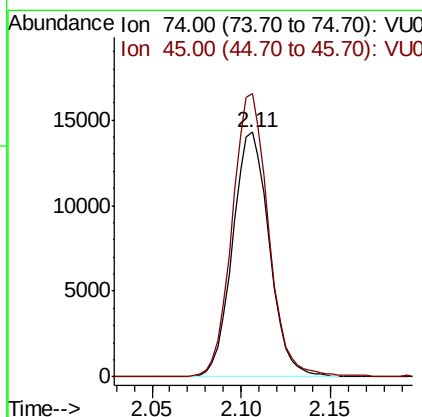
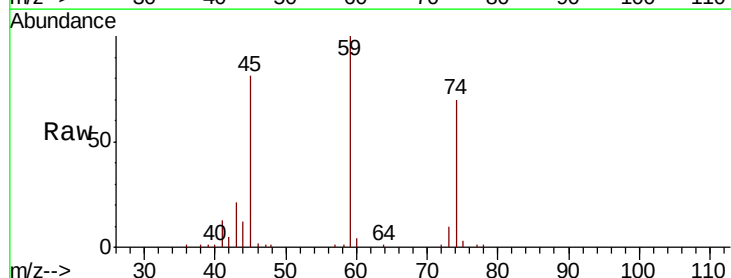
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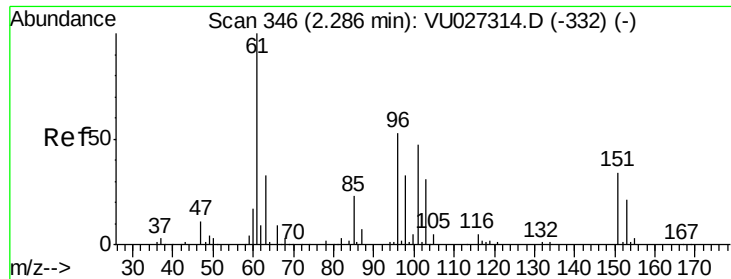


#8

Diethyl Ether
Concen: 19.642 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion: 74 Resp: 20460
Ion Ratio Lower Upper
74 100
45 115.3 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.312 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027318.D

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MSVOA_U

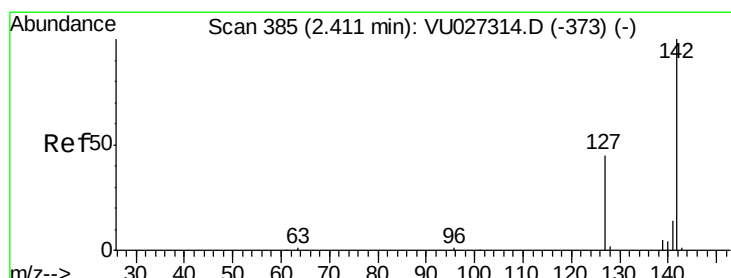
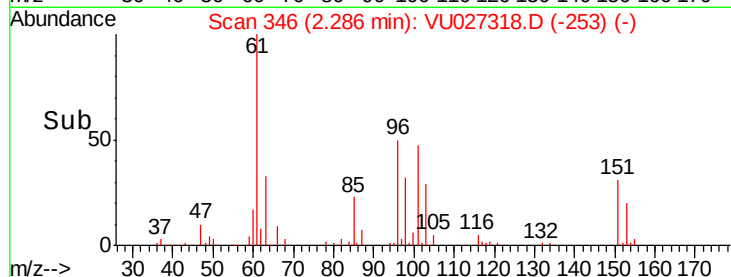
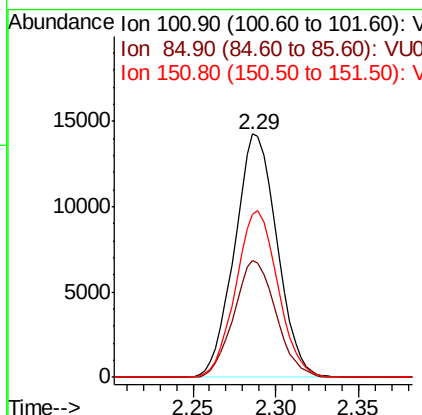
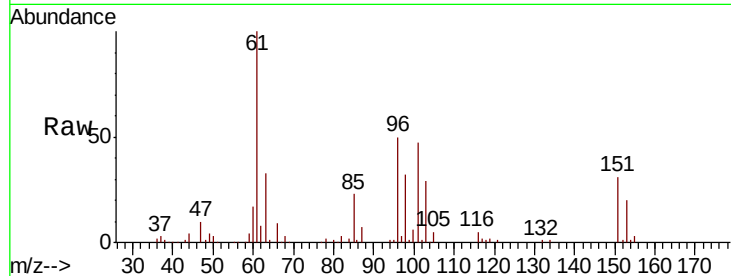
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	25360
Ion Ratio	Lower	Upper	
101	100		
85	47.5	37.5	56.3
151	68.2	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

Concen: 13.919 ug/l

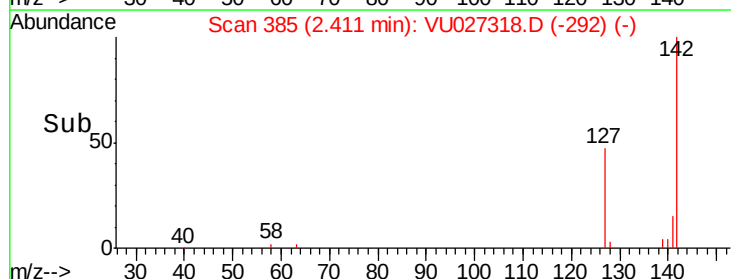
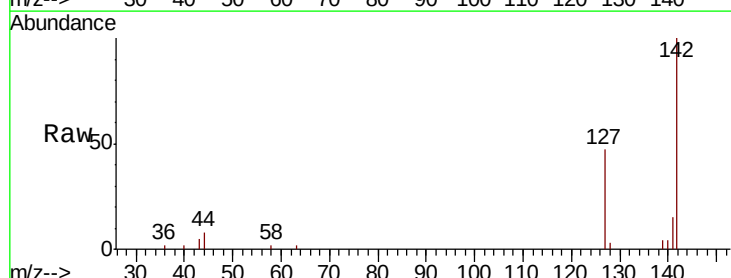
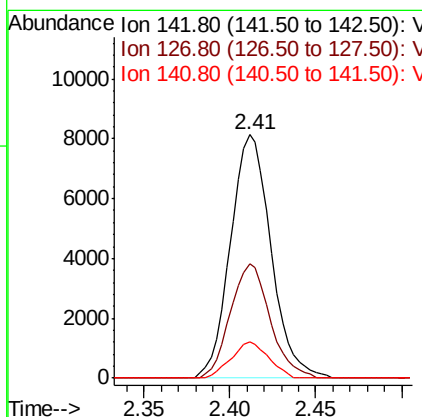
RT: 2.41 min Scan# 385

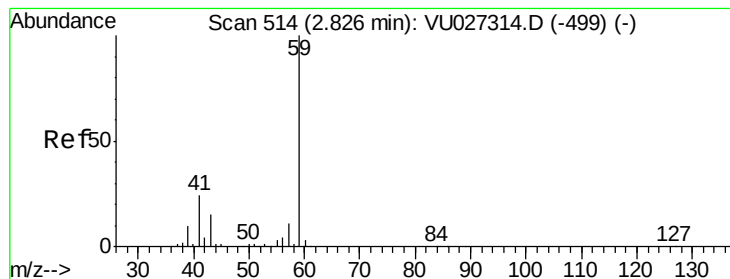
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	142	Resp:	13306
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.3	54.5
141	13.8	11.6	17.4





#11

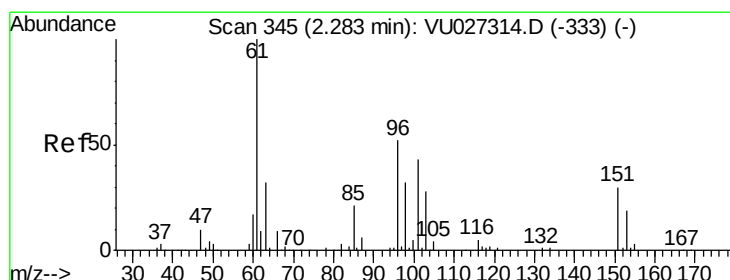
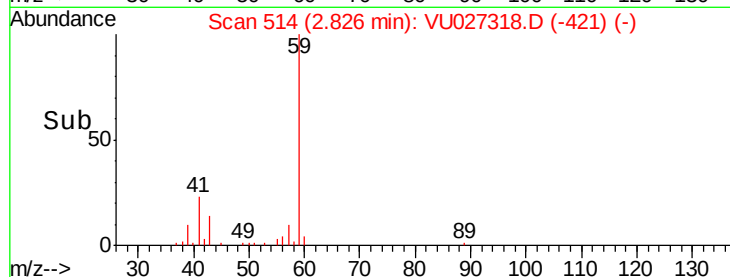
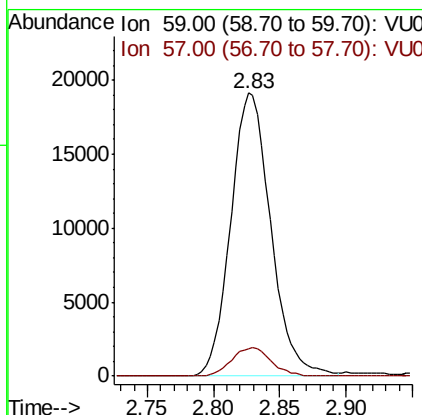
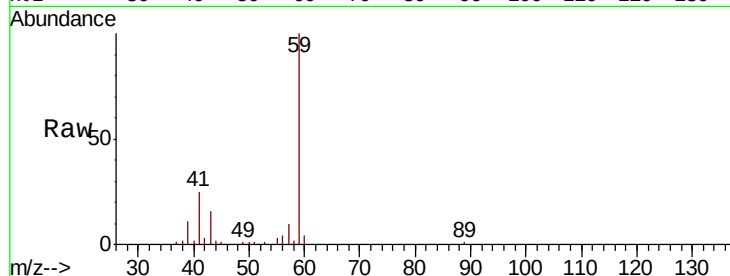
Tert butyl alcohol
Concen: 94.046 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
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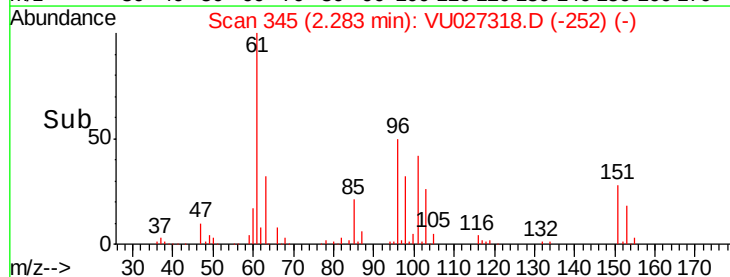
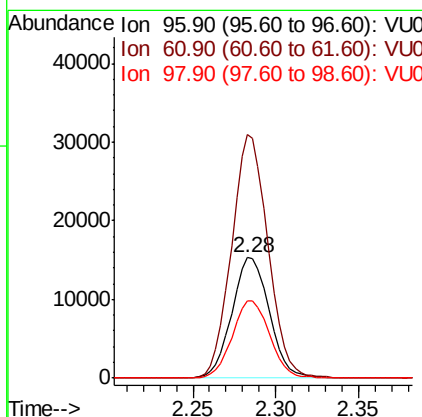
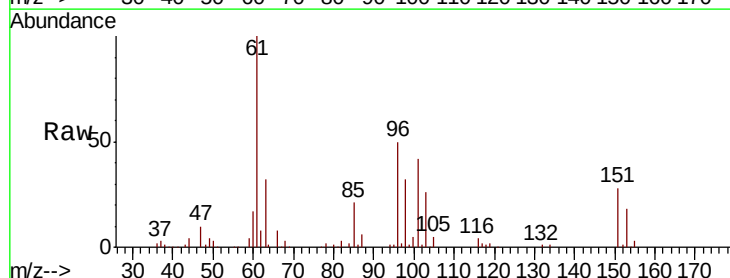
MMDadoda
10/3/2018 11:41:43 AM

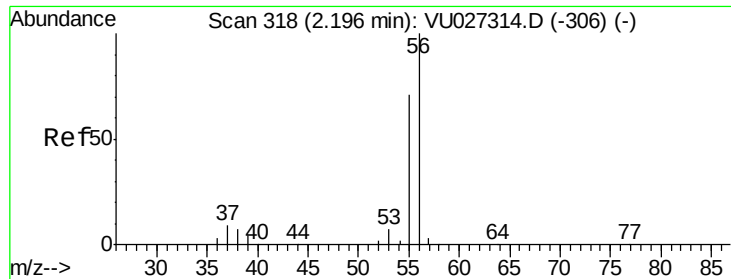


#12

1,1-Dichloroethene
Concen: 18.739 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.7	153.0	229.6
98	64.1	49.3	73.9





#13

Acrolein

Concen: 91.322 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 32728

Ion Ratio Lower Upper

56 100

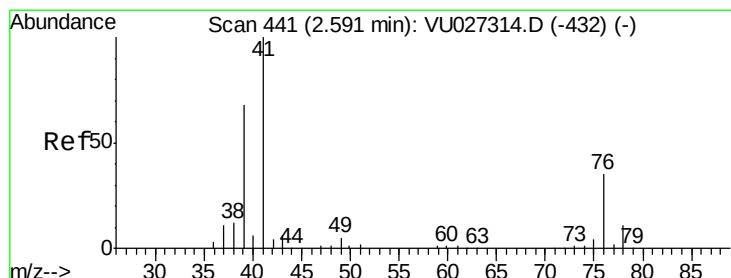
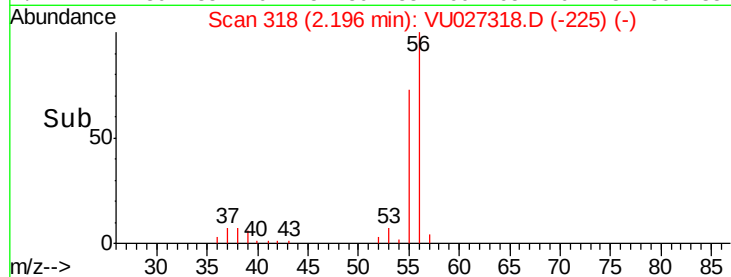
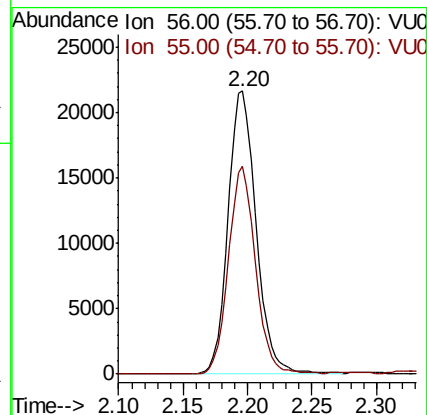
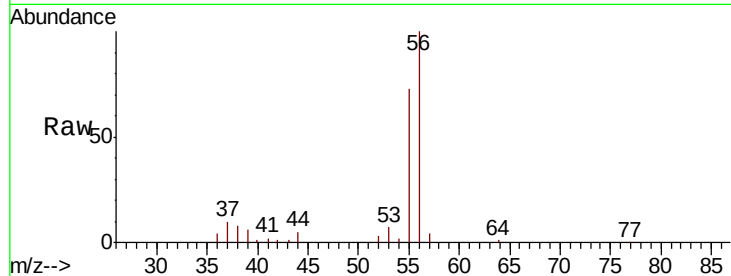
55 70.6 57.7 86.5

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.755 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

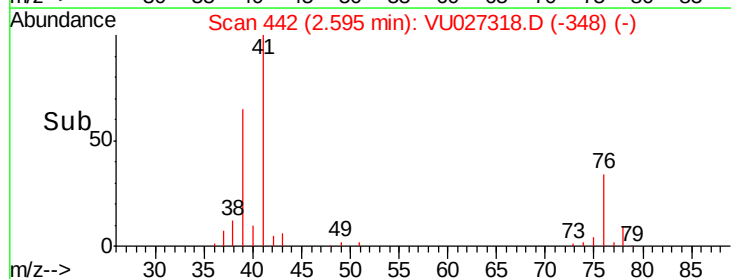
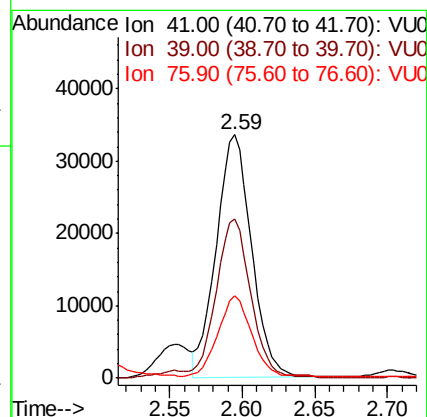
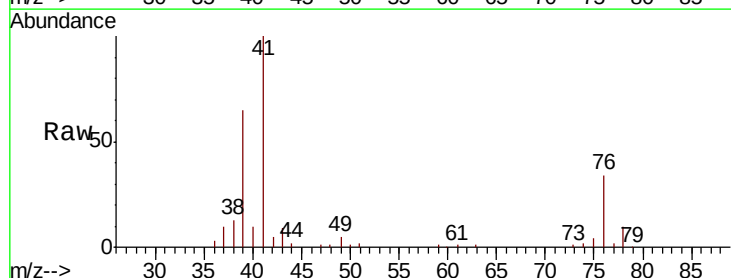
Tgt Ion: 41 Resp: 57139

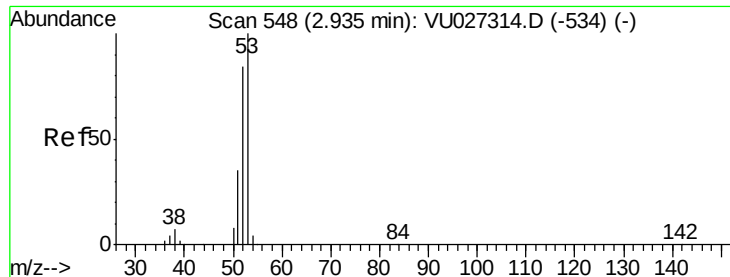
Ion Ratio Lower Upper

41 100

39 64.2 51.8 77.8

76 31.4 25.9 38.9





#15

Acrylonitrile

Concen: 96.140 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

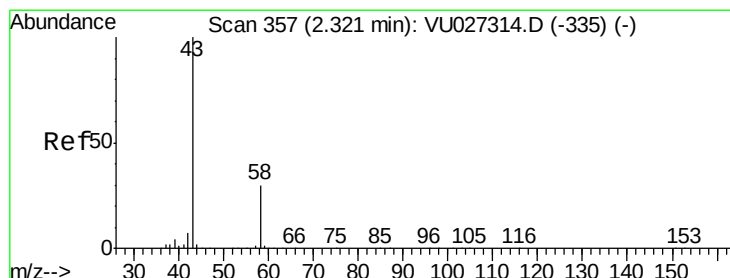
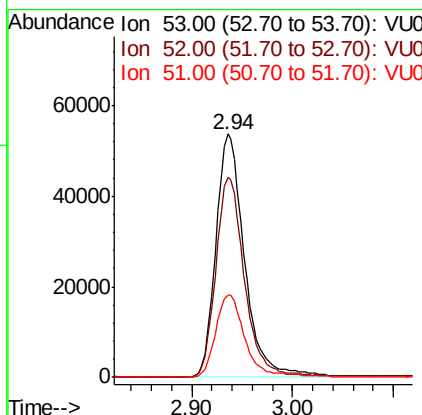
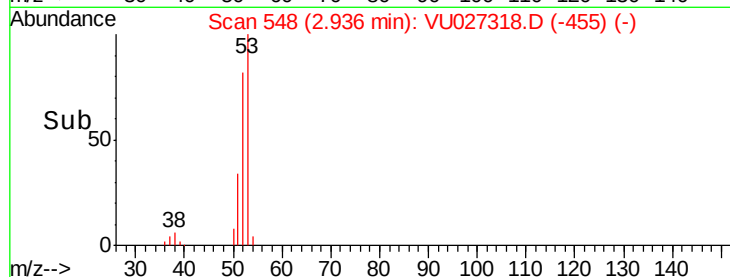
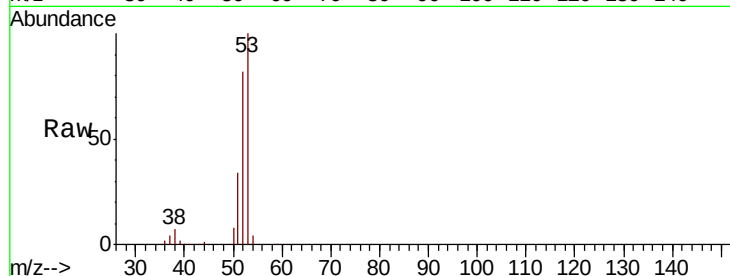
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	106872
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.5	99.7
51	35.1	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 90.413 ug/l

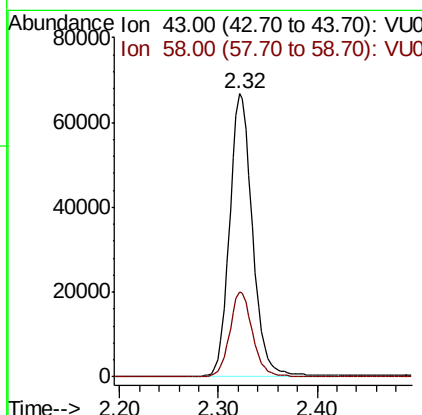
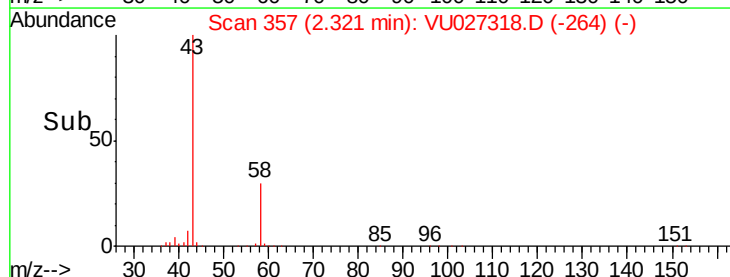
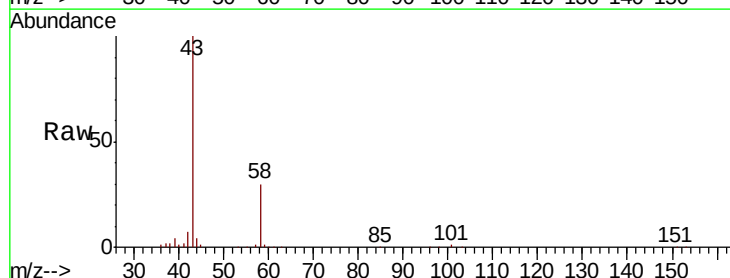
RT: 2.32 min Scan# 357

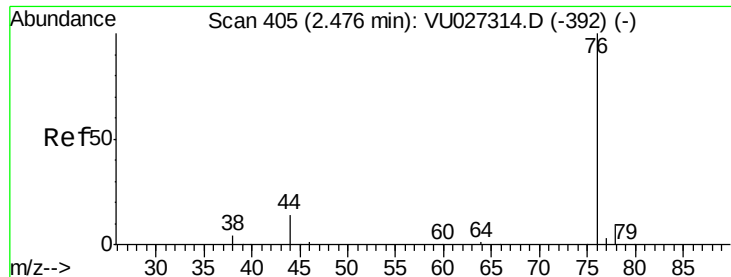
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	43	Resp:	108329
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





#17

Carbon Disulfide

Concen: 18.968 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 87769

Ion Ratio Lower Upper

76 100

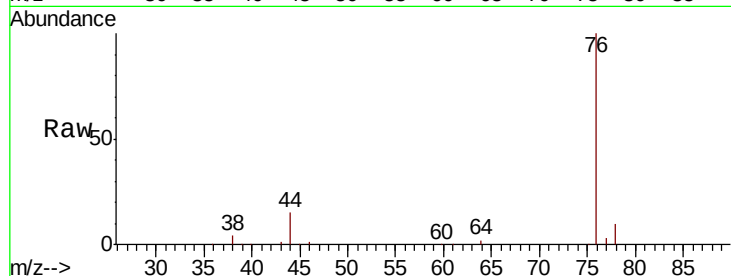
78 9.6 7.3 10.9

Manual Integrations

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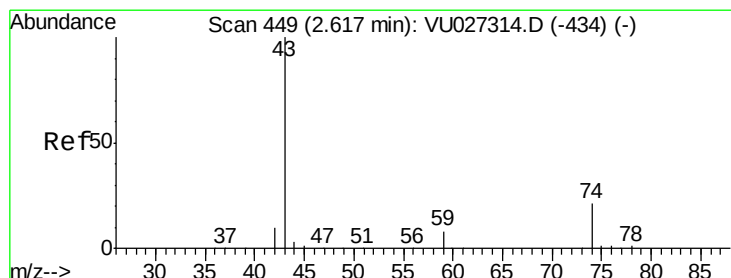
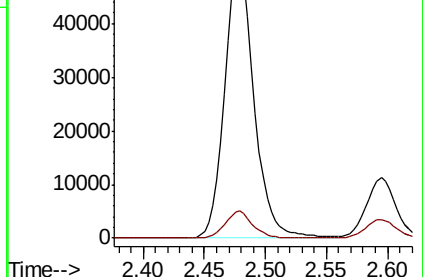
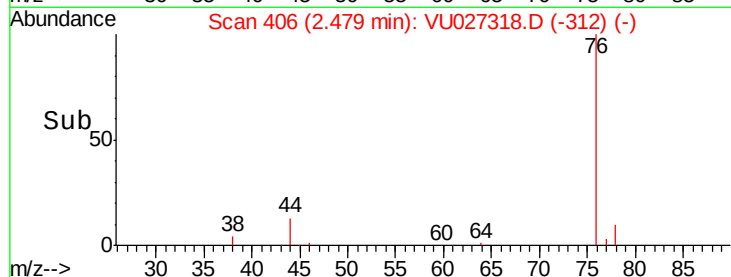


Abundance Ion 75.90 (75.60 to 76.60): VU027318.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027318.D (-312) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 18.613 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027318.D

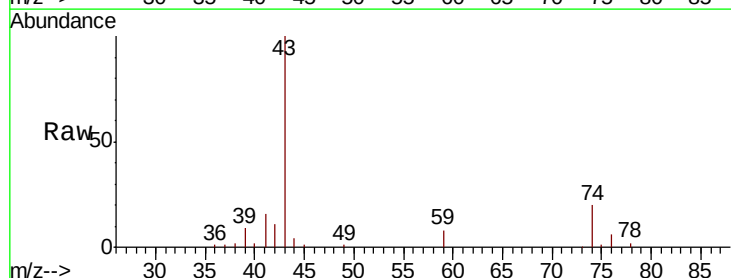
Acq: 01 Oct 2018 12:52

Tgt Ion: 43 Resp: 50876

Ion Ratio Lower Upper

43 100

74 20.4 16.5 24.7

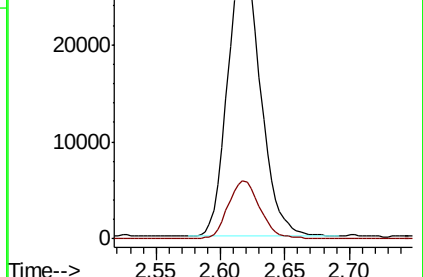
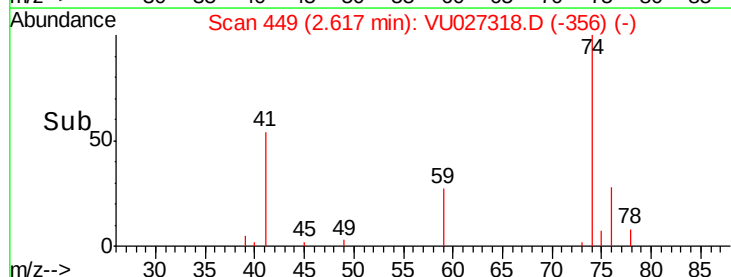


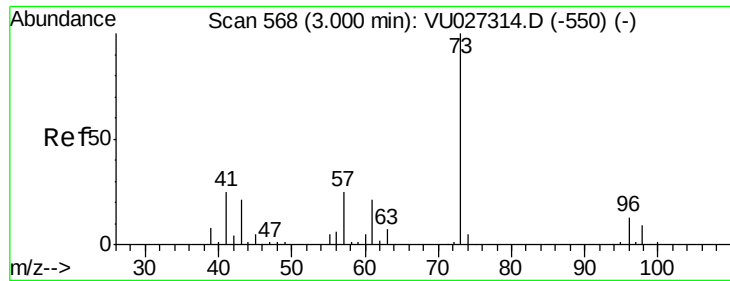
Abundance Ion 43.00 (42.70 to 43.70): VU027318.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027318.D (-356) (-)

2.62

Time-->





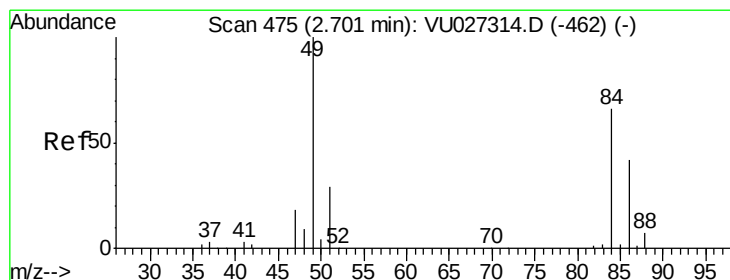
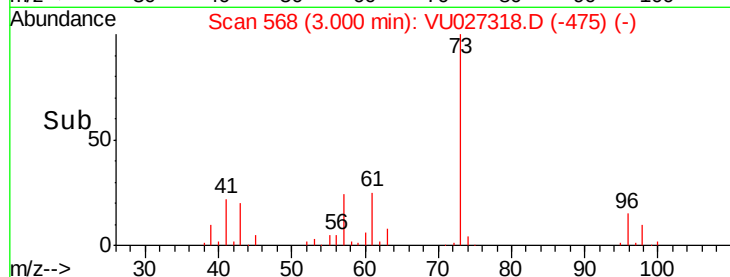
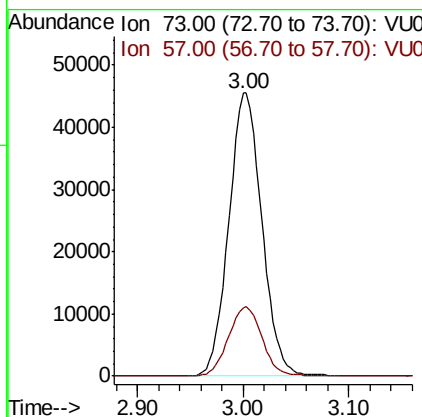
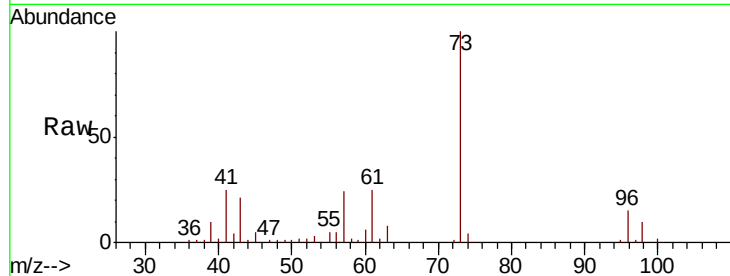
#19
Methyl tert-butyl Ether
Concen: 19.235 ug/l
RT: 3.00 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 98882
Ion Ratio Lower Upper
73 100
57 24.1 20.0 30.0

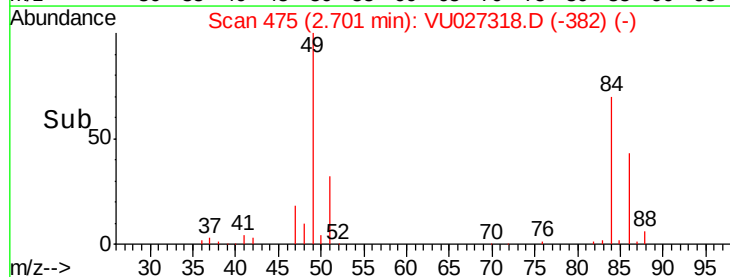
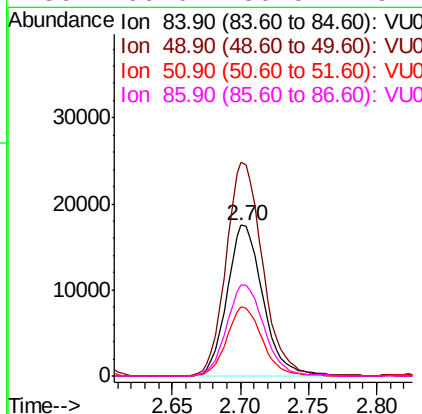
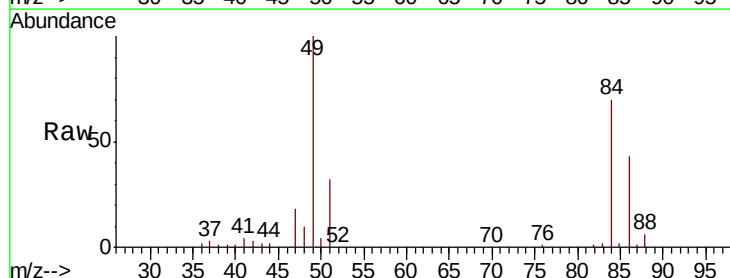
Manual Integrations
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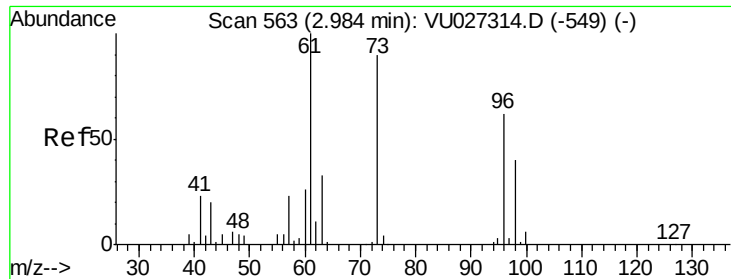
MMDadoda
10/3/2018 11:41:43 AM



#20
Methylene Chloride
Concen: 19.162 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion: 84 Resp: 31981
Ion Ratio Lower Upper
84 100
49 141.9 120.5 180.7
51 45.7 35.1 52.7
86 60.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.349 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 27870

Ion Ratio Lower Upper

96 100

61 165.5 129.4 194.2

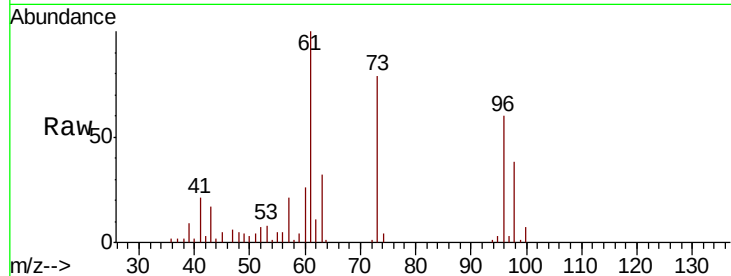
98 63.3 51.2 76.8

Manual Integrations

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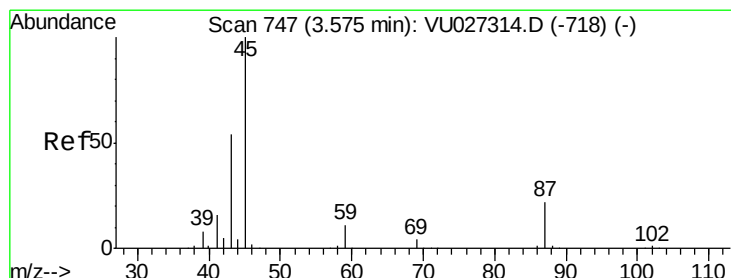
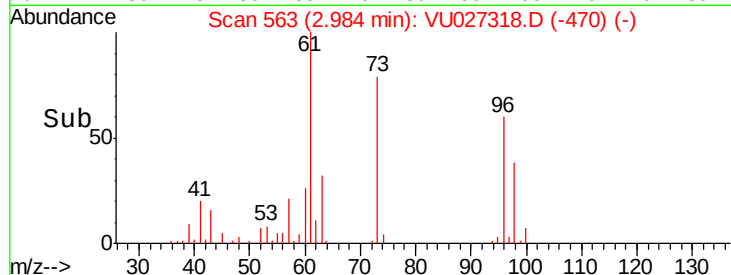
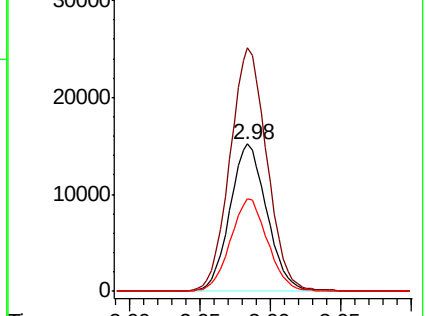
10/3/2018 11:41:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.425 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion: 45 Resp: 120285

Ion Ratio Lower Upper

45 100

43 57.1 43.4 65.2

87 22.4 17.5 26.3

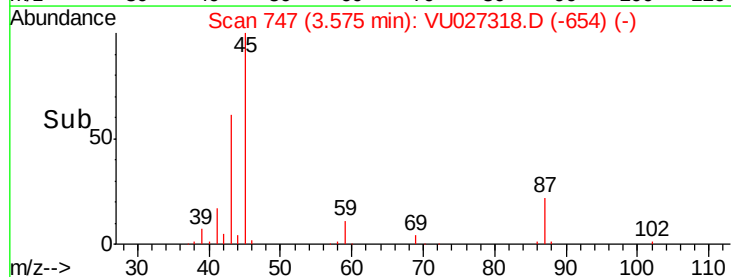
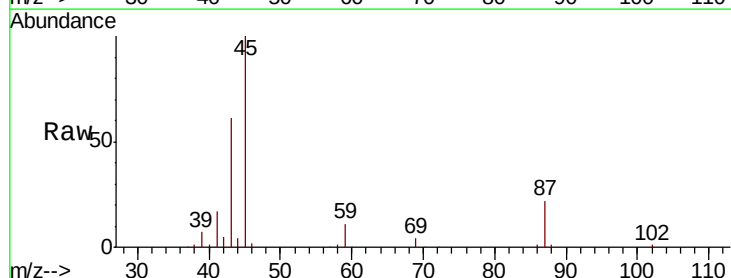
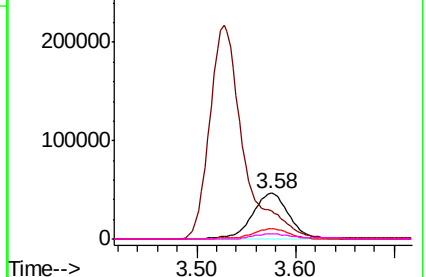
59 11.1 8.6 13.0

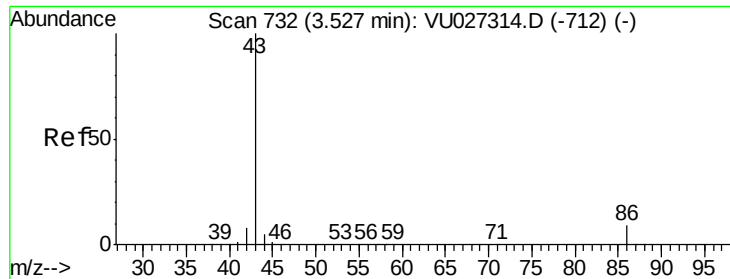
Abundance Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 96.117 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 519785

Ion Ratio Lower Upper

43 100

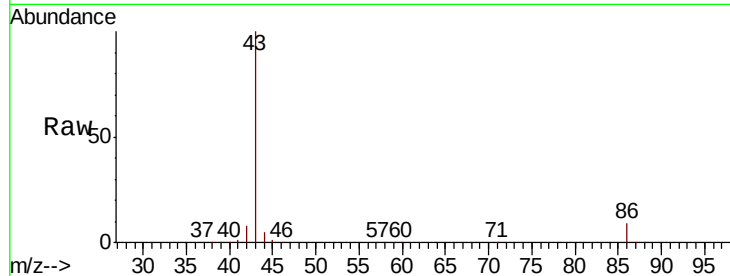
86 9.0 7.0 10.4

Manual Integrations

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10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU027318.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027318.D (-639) (-)

250000

200000

150000

100000

50000

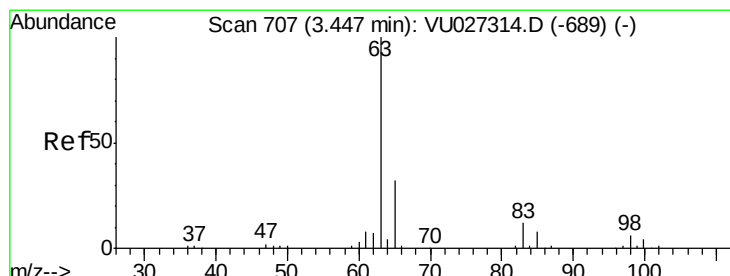
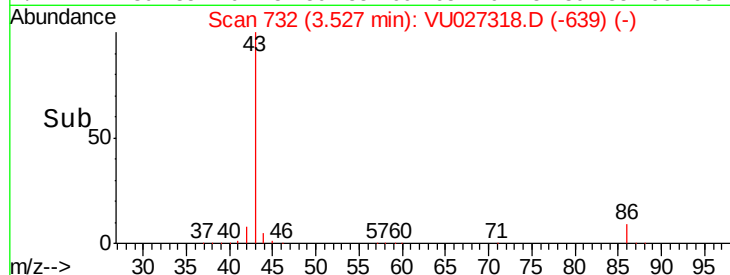
0

3.40

3.50

3.60

Time-->



#24

1,1-Dichloroethane

Concen: 19.652 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

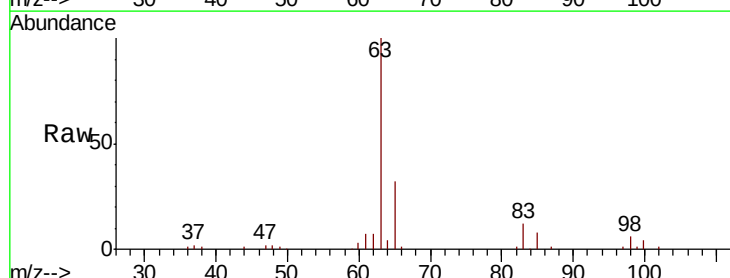
Tgt Ion: 63 Resp: 62558

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.1 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027318.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027318.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027318.D (-614) (-)

30000

20000

10000

0

3.35

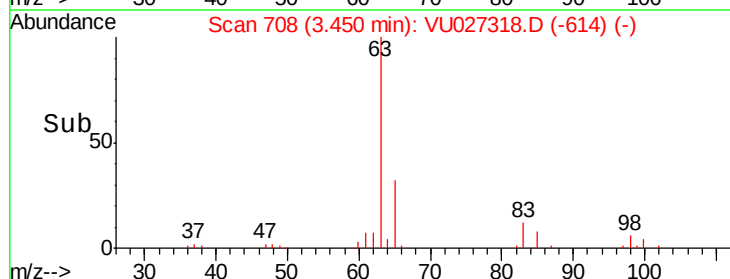
3.40

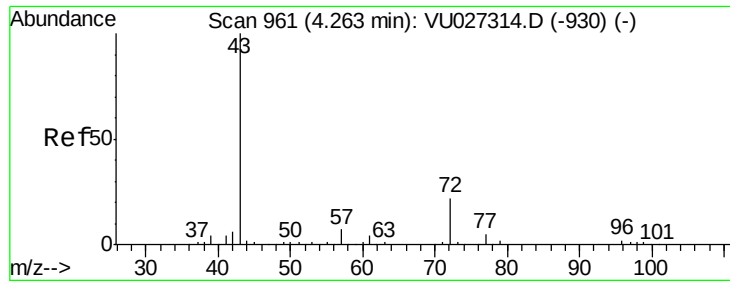
3.45

3.50

3.55

Time-->





#25

2-Butanone

Concen: 95.947 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 156767

Ion Ratio Lower Upper

43 100

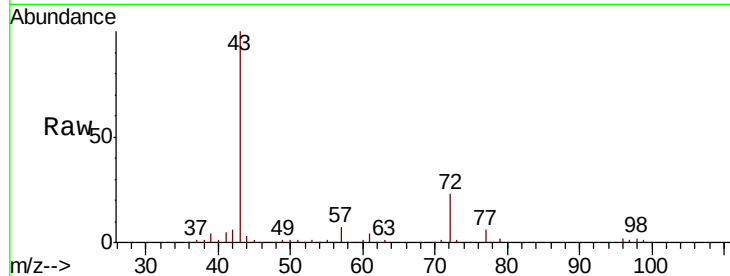
72 22.9 17.8 26.6

Manual Integrations

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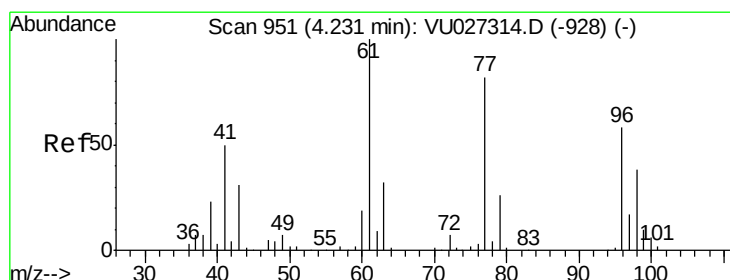
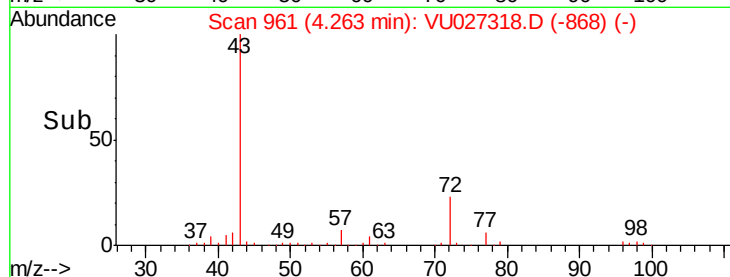
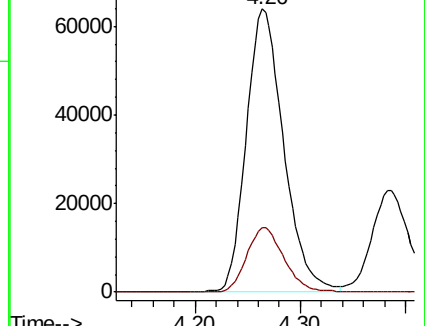
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 19.130 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027318.D

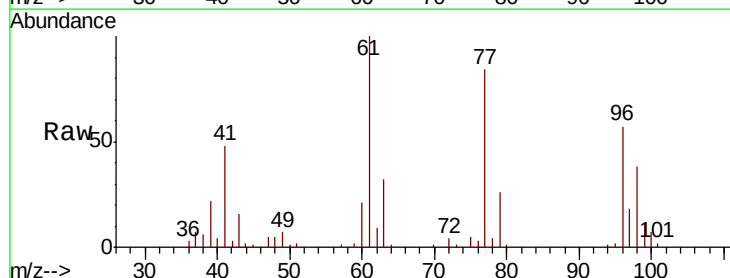
Acq: 01 Oct 2018 12:52

Tgt Ion: 77 Resp: 50040

Ion Ratio Lower Upper

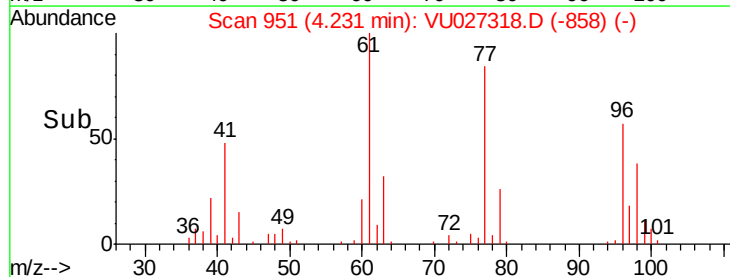
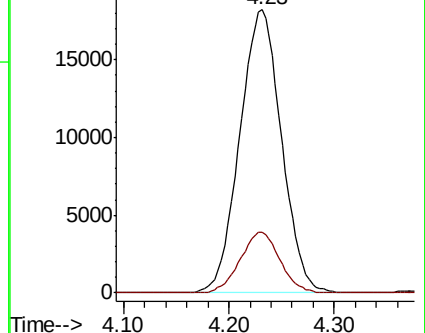
77 100

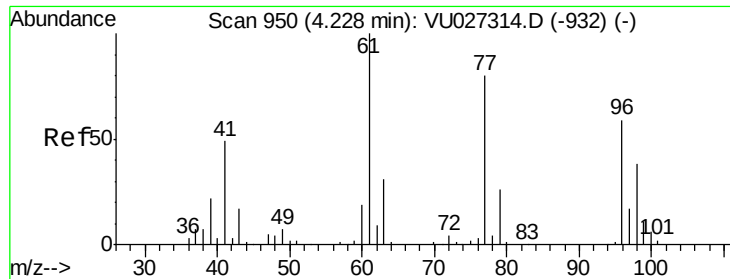
97 20.4 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

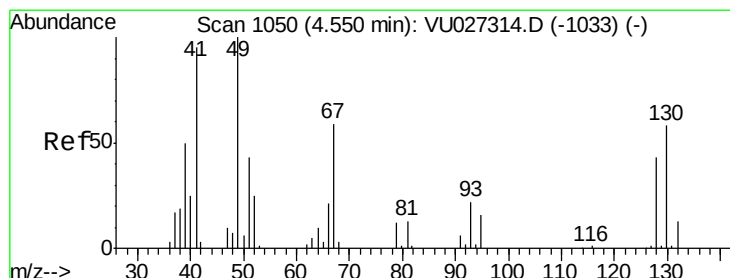
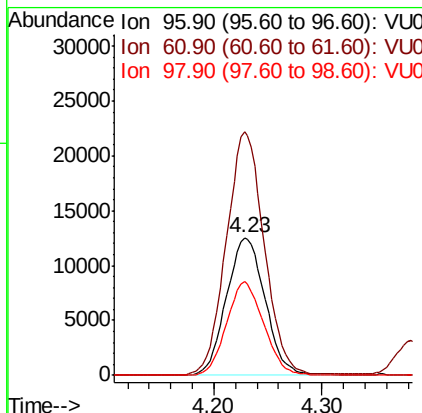
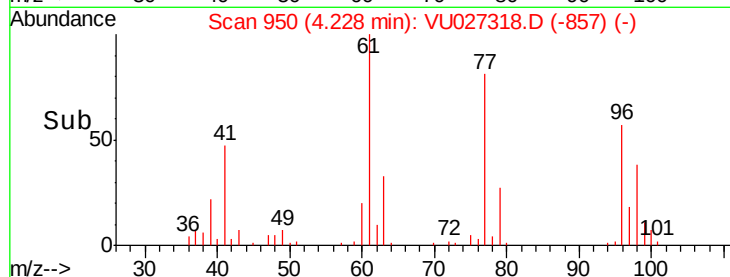
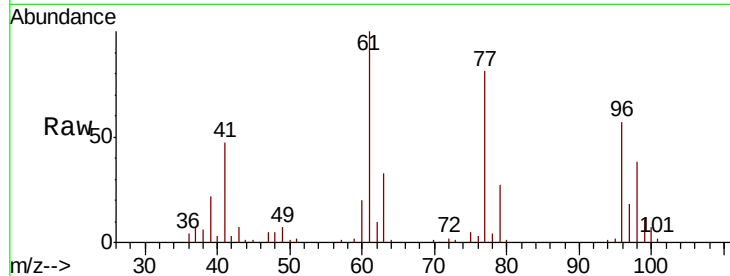
cis-1,2-Dichloroethene
Concen: 18.989 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31280		
61	173.7	0.0	343.8	
98	65.2	0.0	129.0	

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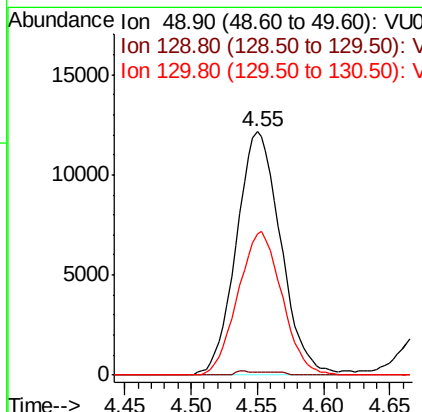
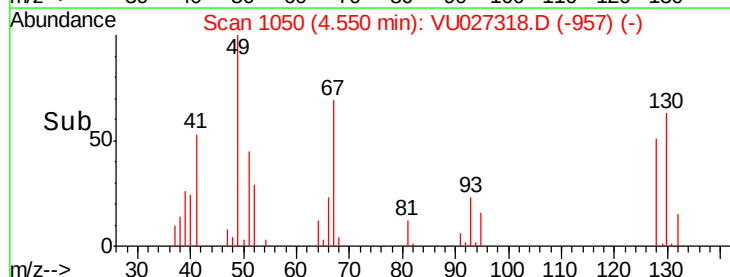
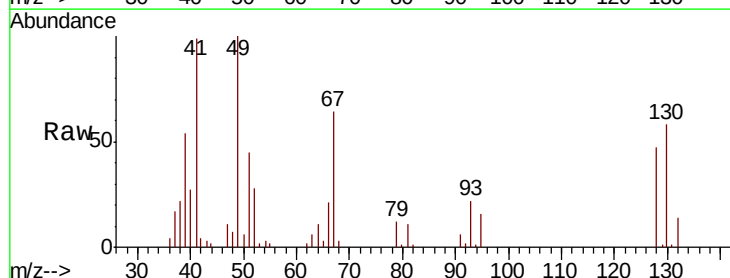
MMDadoda
10/3/2018 11:41:43 AM

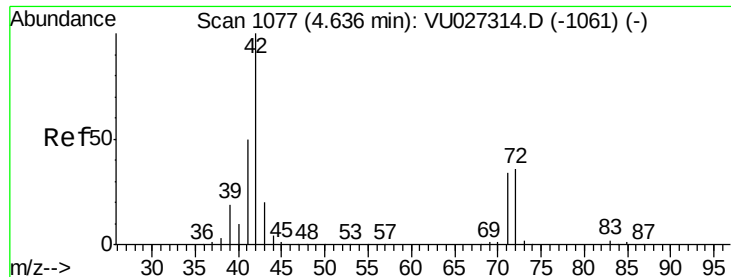


#28

Bromochloromethane
Concen: 18.428 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28303		
129	0.6	0.0	3.0	
130	58.4	46.1	69.1	





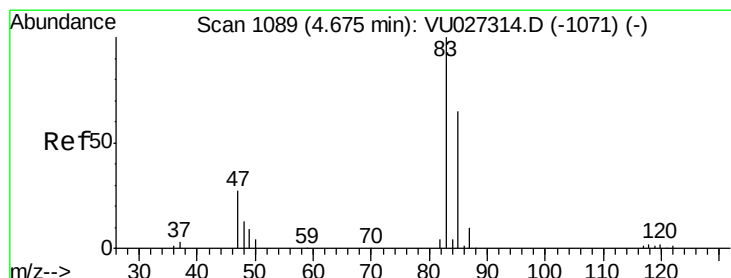
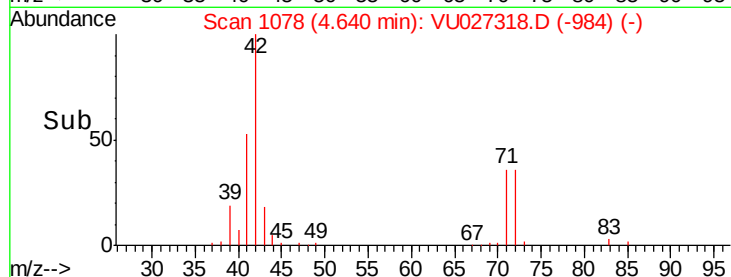
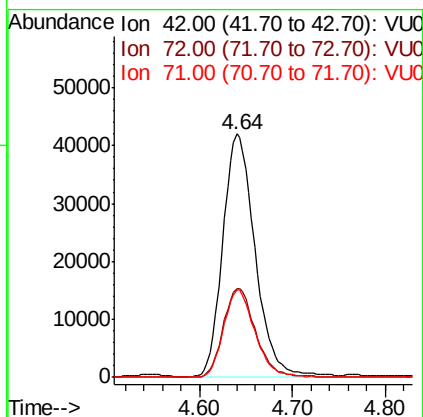
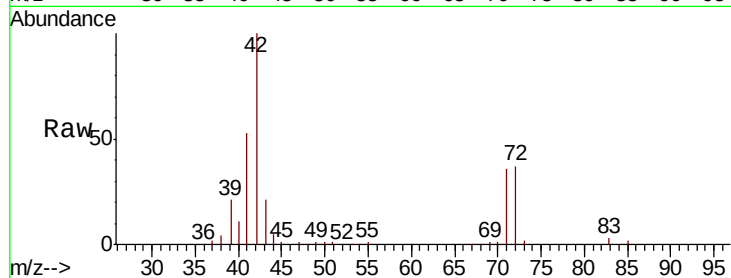
#29
Tetrahydrofuran
Concen: 98.984 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.4	30.1	45.1
71	34.8	27.7	41.5

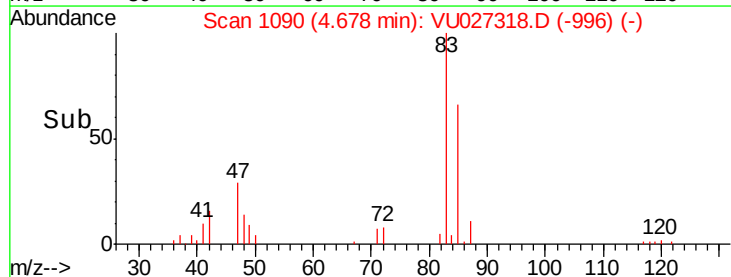
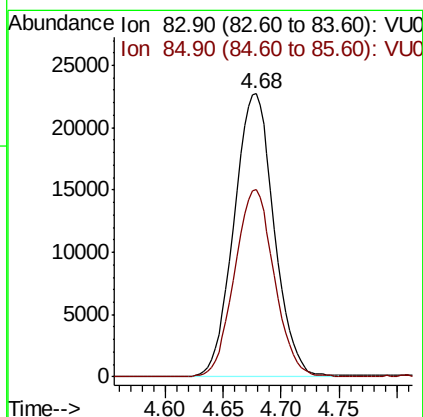
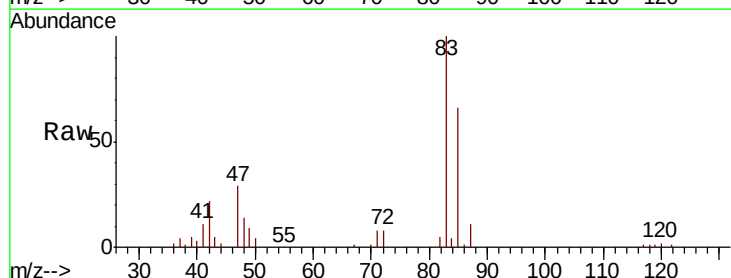
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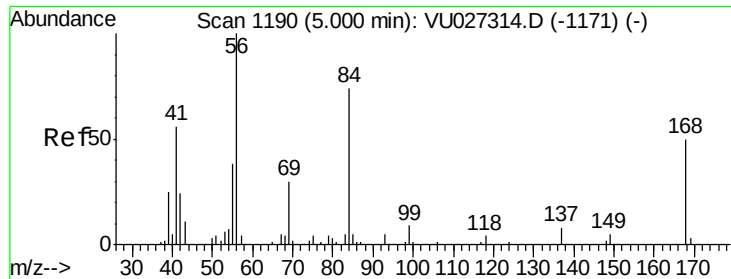
MMDadoda
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#30
Chloroform
Concen: 19.285 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.8	77.6





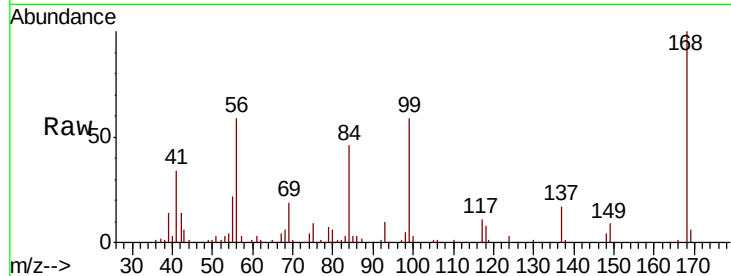
#31
Cyclohexane
Concen: 16.496 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.1	36.1
84	76.4	59.1	88.7

Manual Integrations
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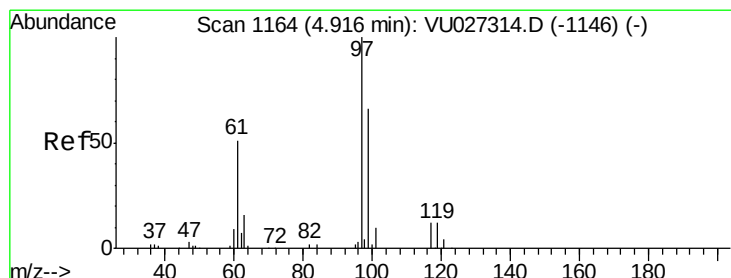
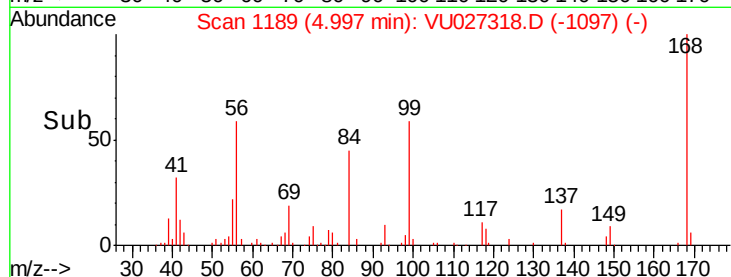
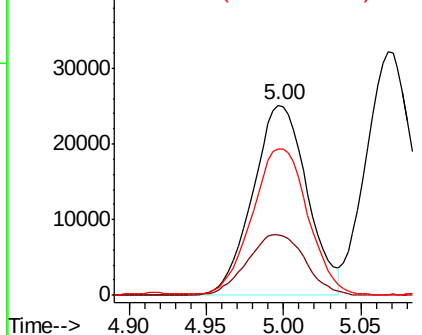


Abundance

Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



#32
1,1,1-Trichloroethane
Concen: 19.273 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

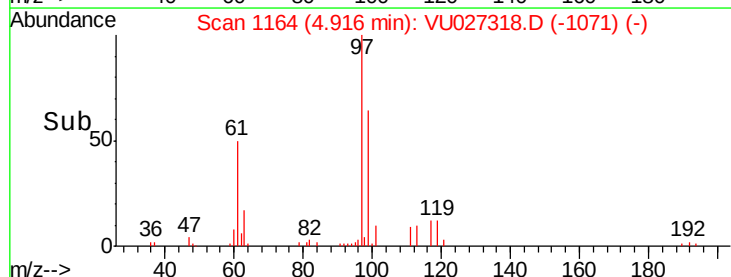
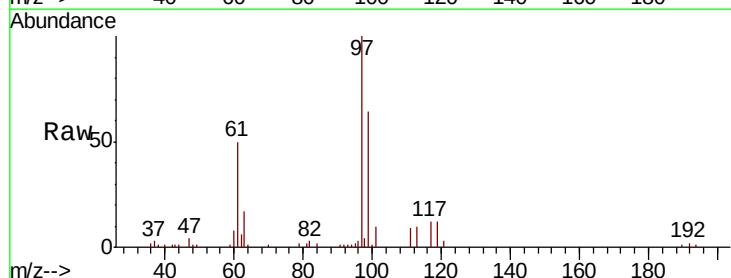
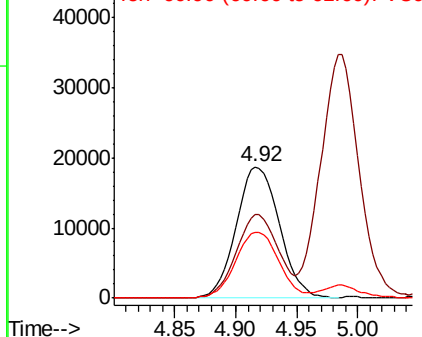
Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	51.1	76.7
61	50.3	39.6	59.4

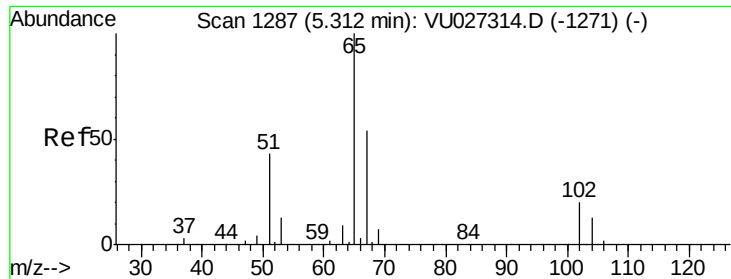
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

Ion 60.90 (60.60 to 61.60): VU0





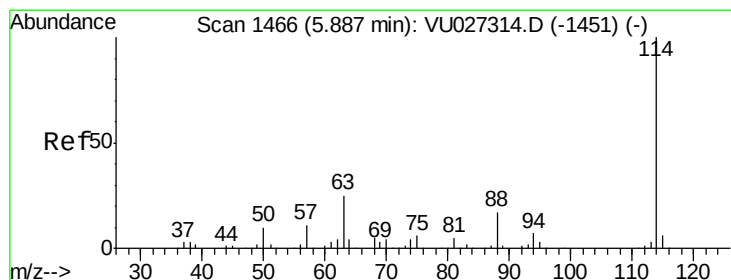
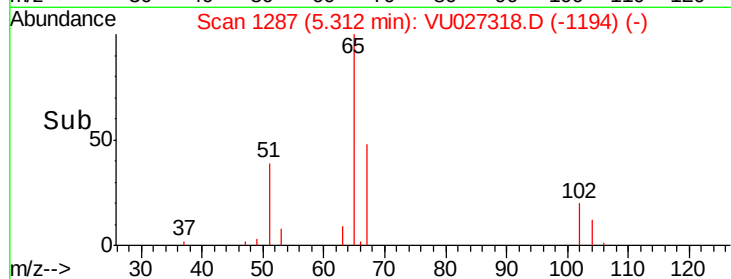
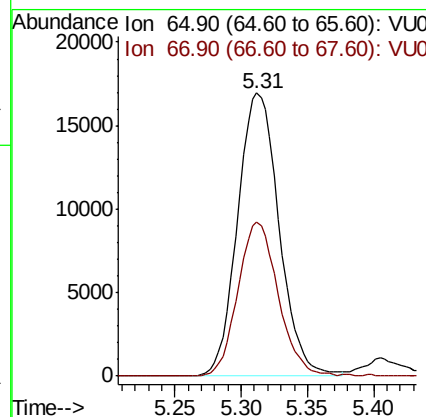
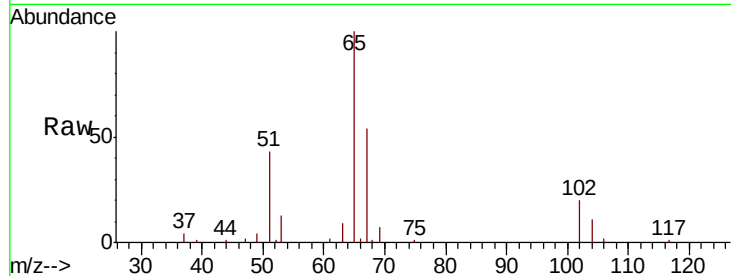
#33
 1,2-Dichloroethane-d4
 Concen: 19.139 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	107.8

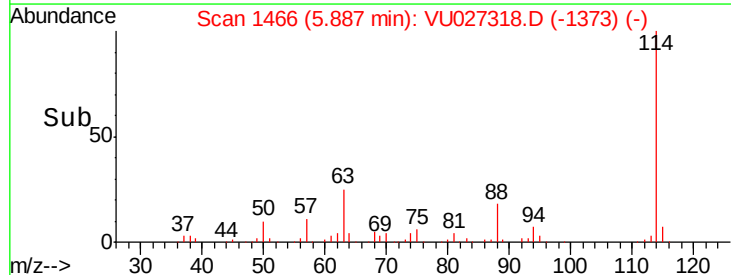
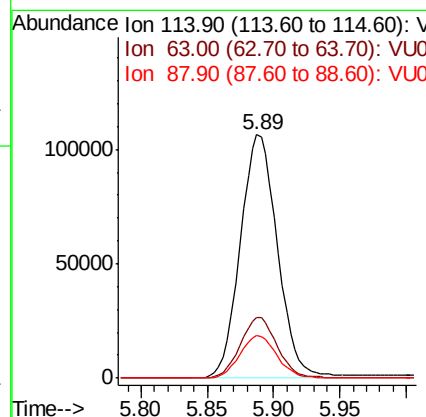
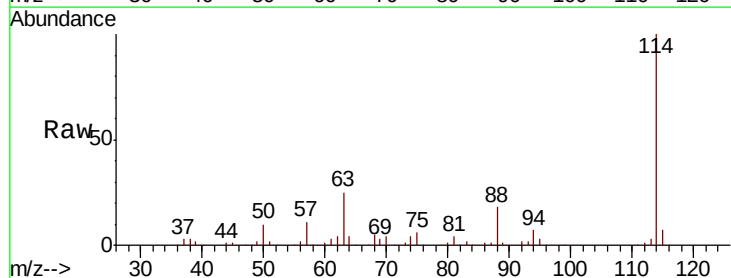
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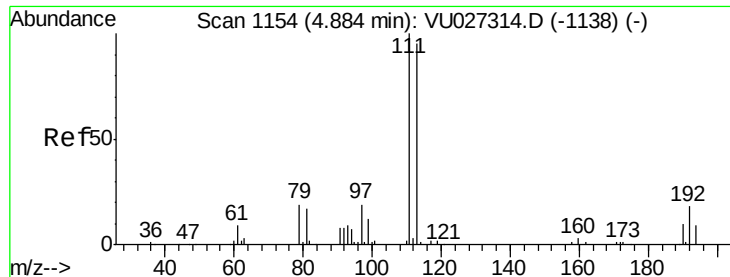
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.2
88	17.5	0.0	33.8





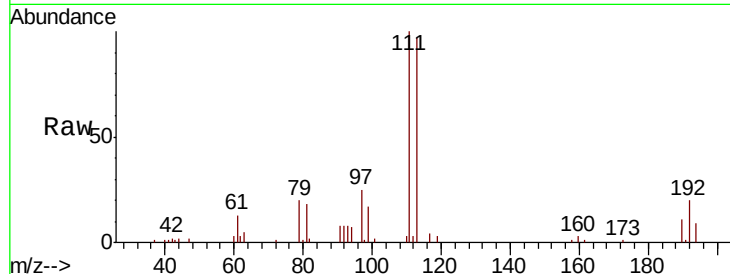
#35
 Dibromofluoromethane
 Concen: 18.709 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	25557		
111	102.8		83.1	124.7
192	19.6		15.4	23.0

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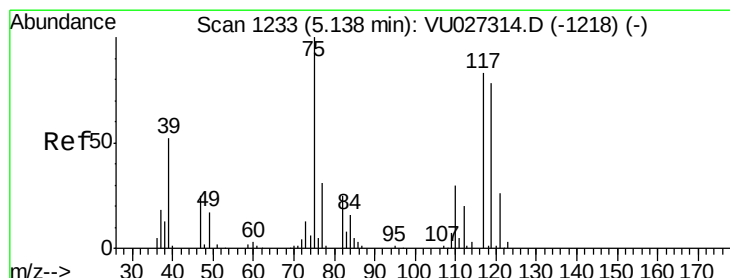
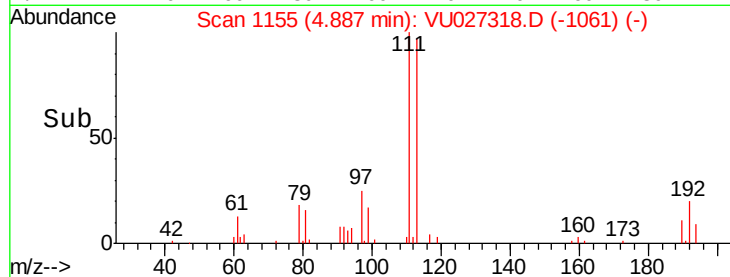
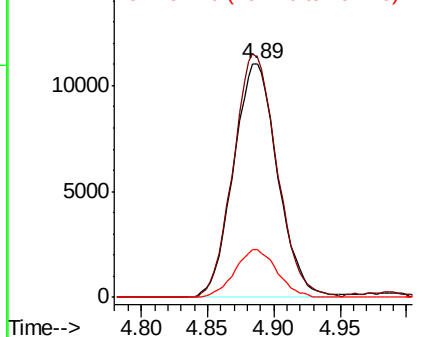


Abundance

Ion 112.80 (112.50 to 113.50): V

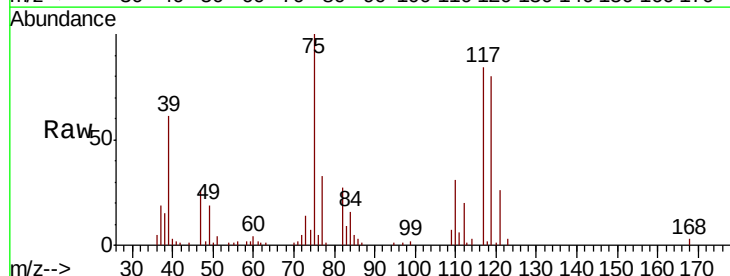
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.973 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	42820		
110	29.6		15.5	46.5
77	31.9		25.4	38.0

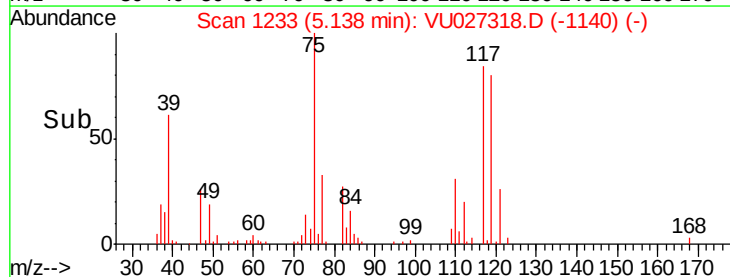
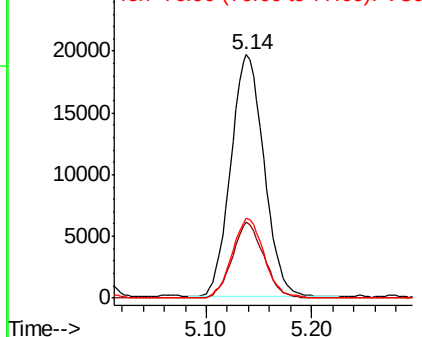


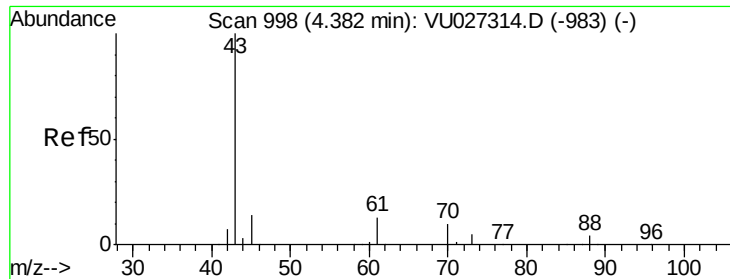
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#37

Ethyl Acetate

Concen: 19.819 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

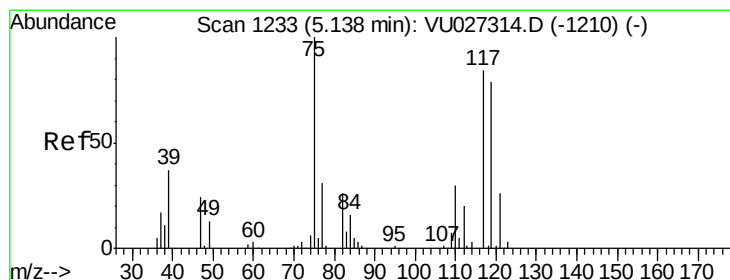
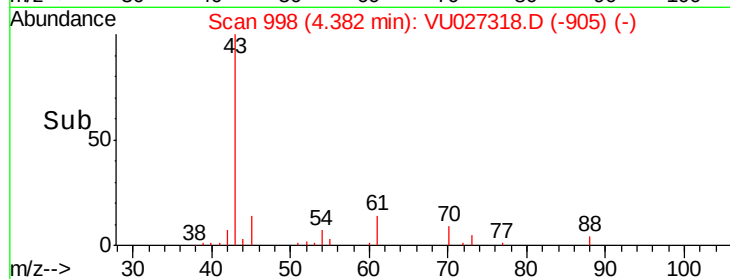
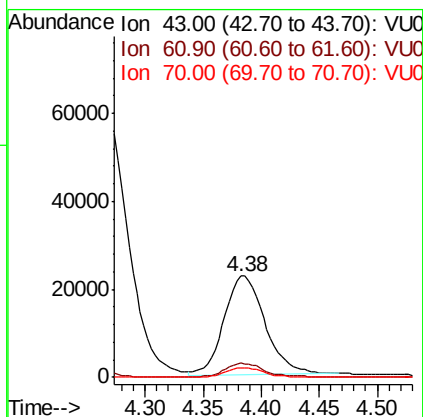
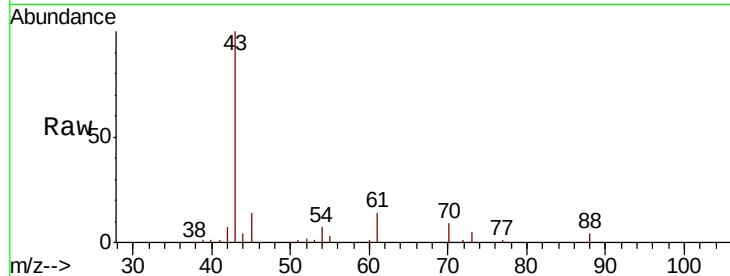
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	55155
Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.7	16.1
70	9.3	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 19.172 ug/l

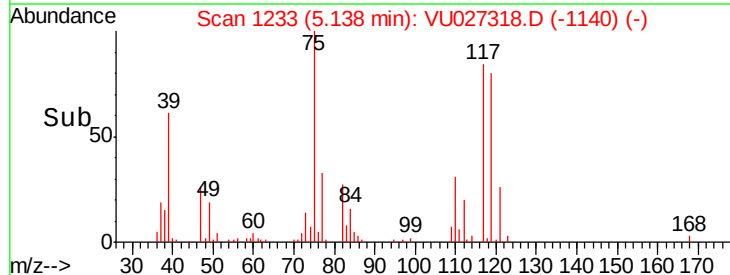
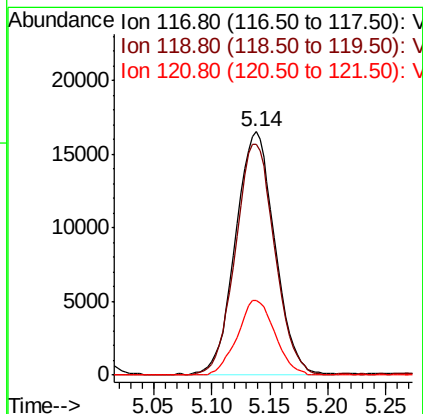
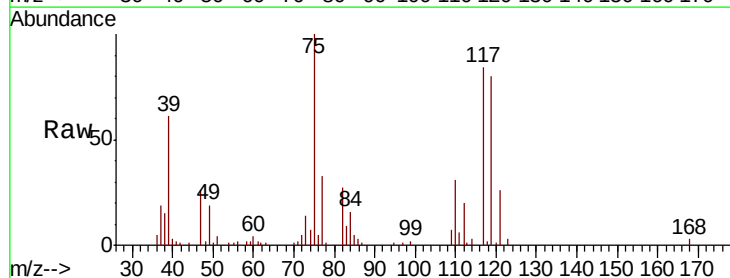
RT: 5.14 min Scan# 1233

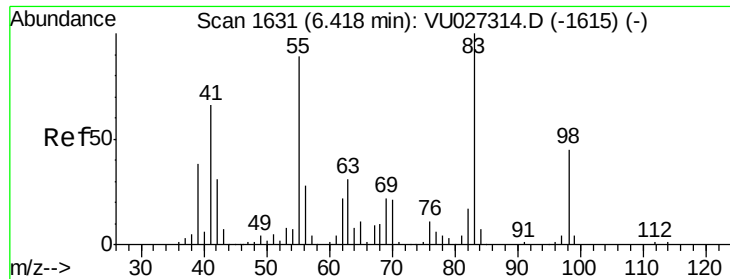
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	117	Resp:	39086
Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.5	111.7
121	30.7	24.6	37.0





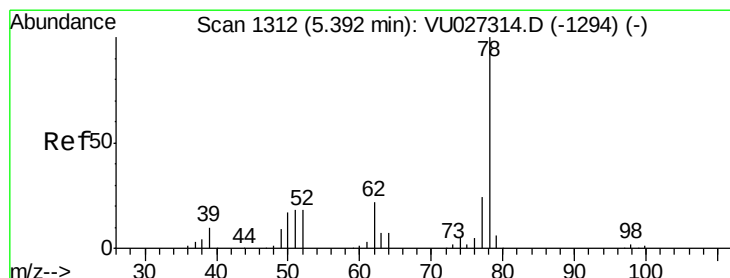
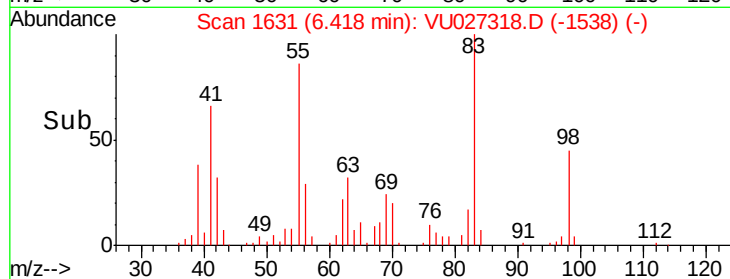
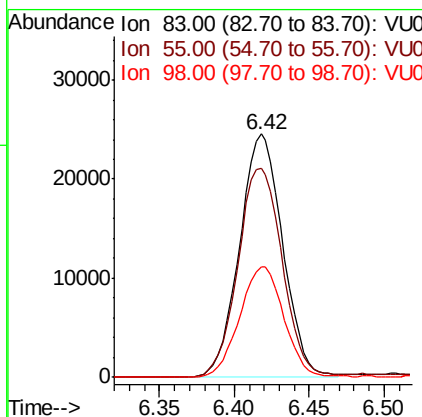
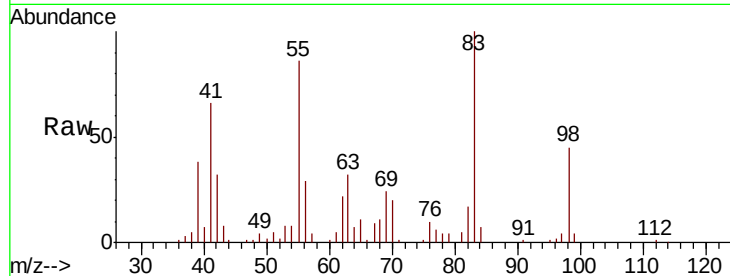
#39
Methylvlcyclohexane
Concen: 18.685 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83.00	Resp	49294
Ion	Ratio	Lower	Upper
83	100		
55	86.1	71.1	106.7
98	45.2	36.3	54.5

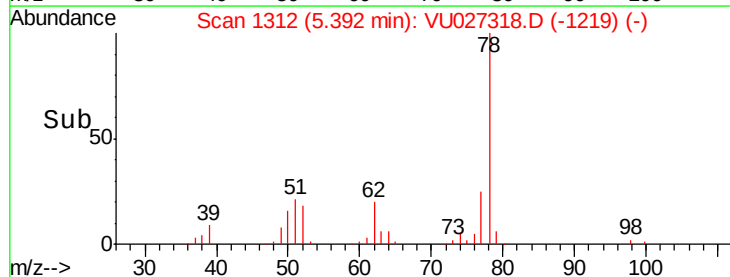
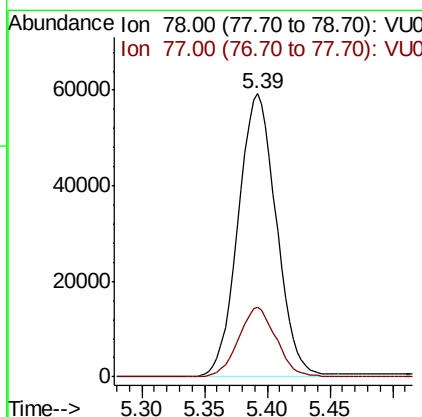
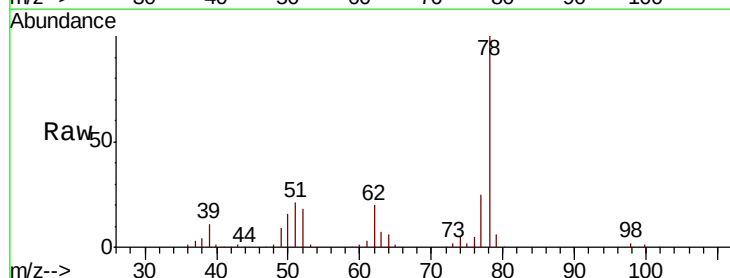
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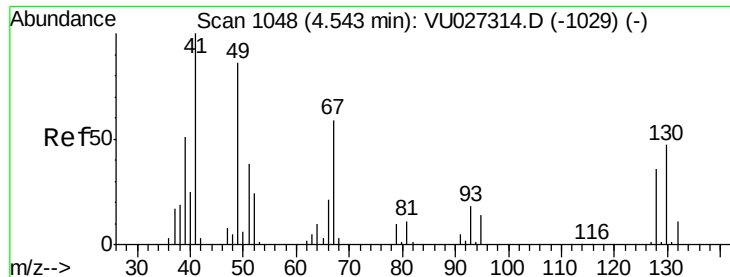
MMDadoda
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#40
Benzene
Concen: 19.149 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	78.00	Resp	125888
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.3	28.9





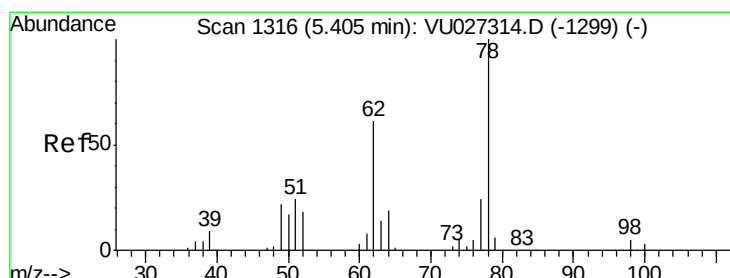
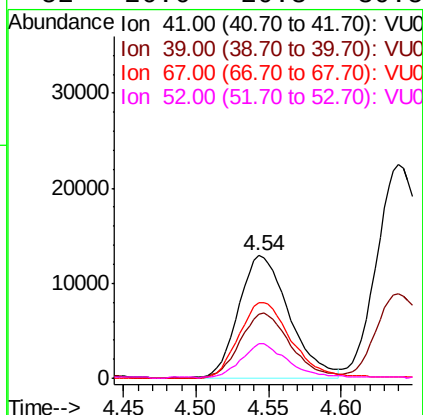
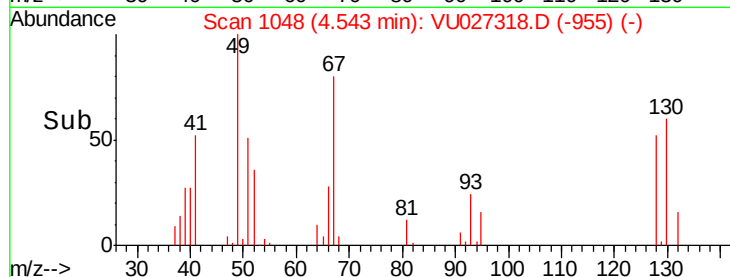
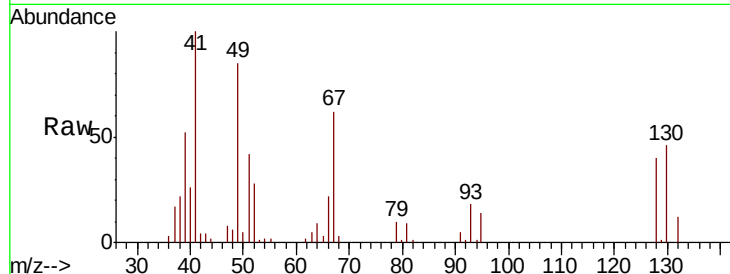
#41
Methacrylonitrile
Concen: 19.105 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.1	61.7	
67	63.9	50.4	75.6	
52	26.6	20.3	30.5	

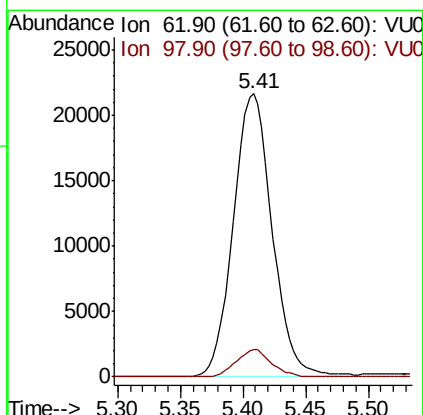
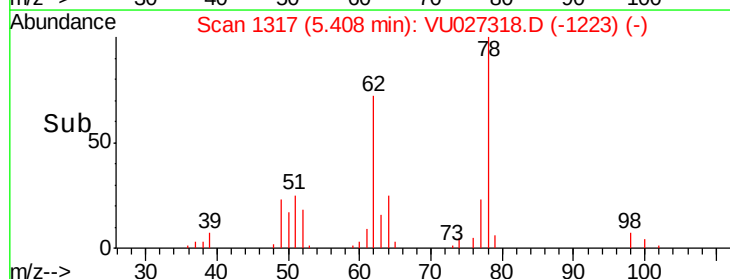
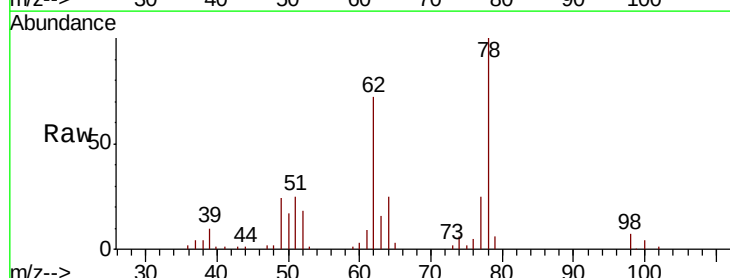
Manual Integrations
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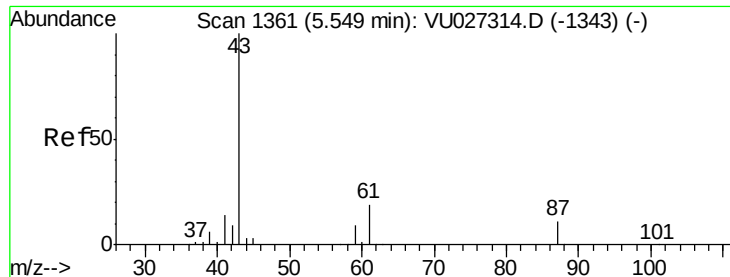
MMDadoda
10/3/2018 11:41:43 AM



#42
1,2-Dichloroethane
Concen: 19.119 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	16.8	





#43

Isopropyl Acetate

Concen: 19.111 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

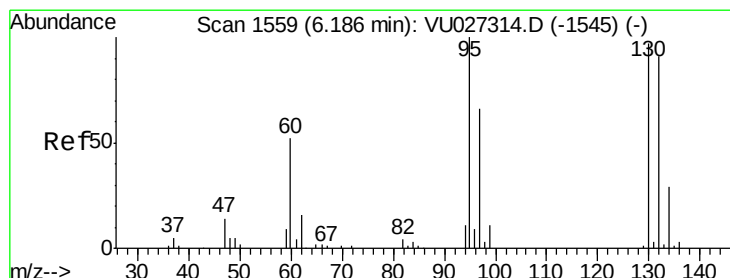
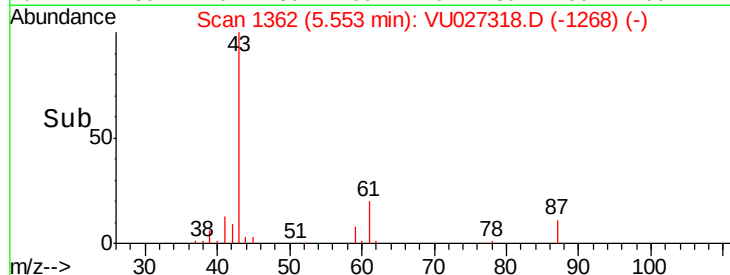
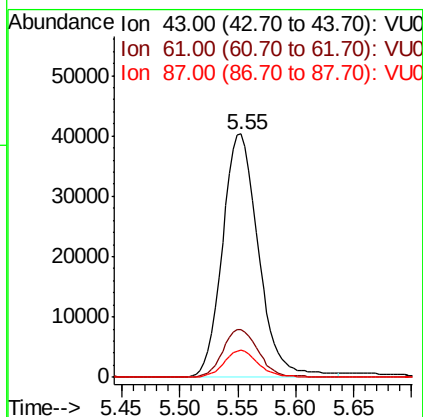
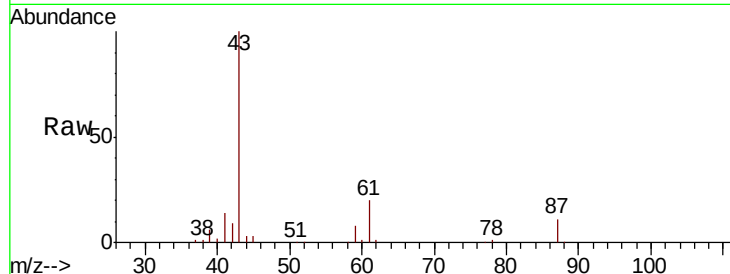
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	86574
Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.3	22.9
87	10.7	8.6	13.0

Manual Integrations
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MMDadoda
10/3/2018 11:41:43 AM



#44

Trichloroethene

Concen: 18.660 ug/l

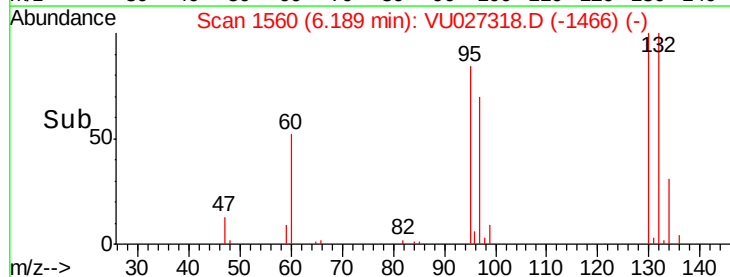
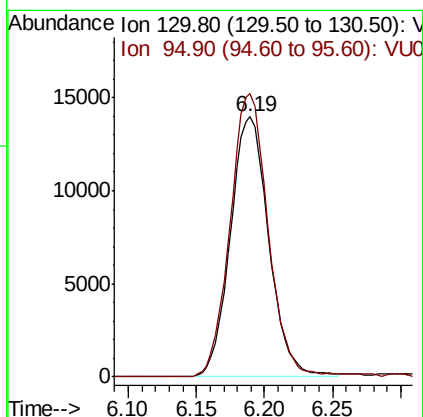
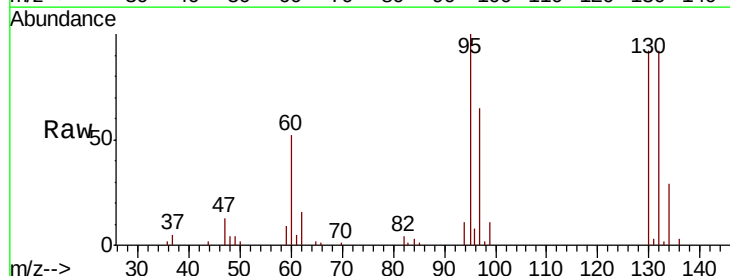
RT: 6.19 min Scan# 1560

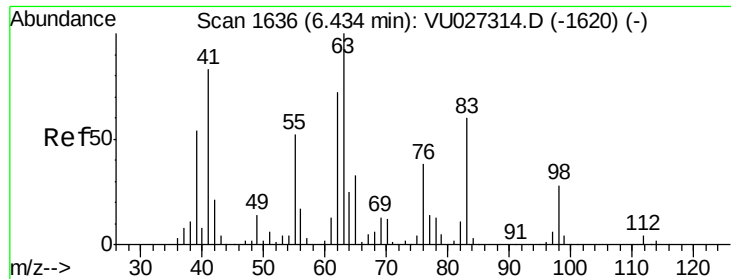
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	130	Resp:	27354
Ion	Ratio	Lower	Upper
130	100		
95	108.8	0.0	207.0





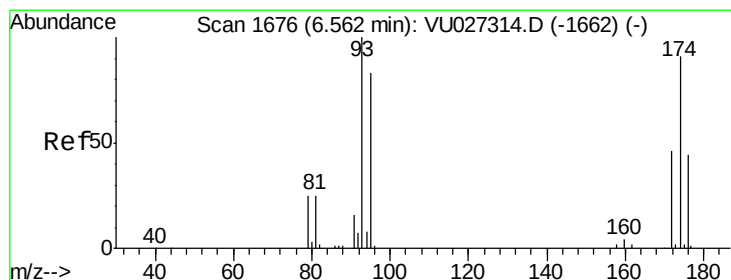
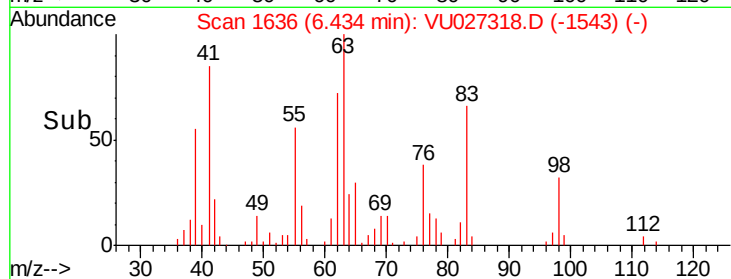
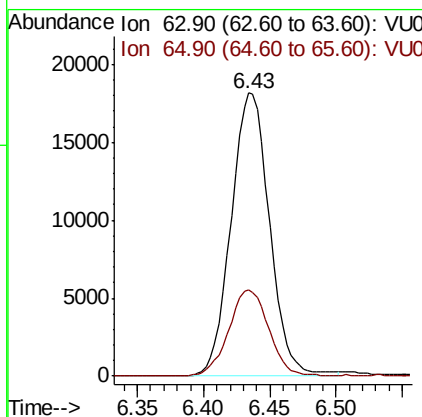
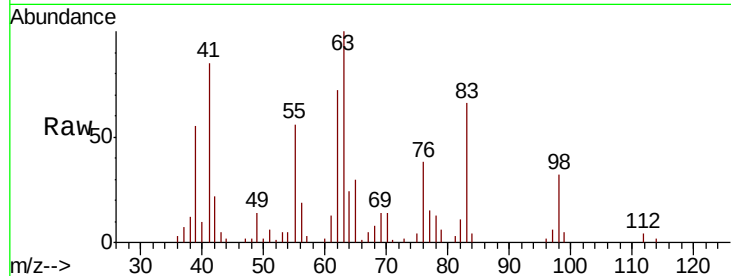
#45
 1,2-Dichloropropane
 Concen: 19.328 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 36649
 Ion Ratio Lower Upper
 63 100
 65 30.4 26.0 39.0

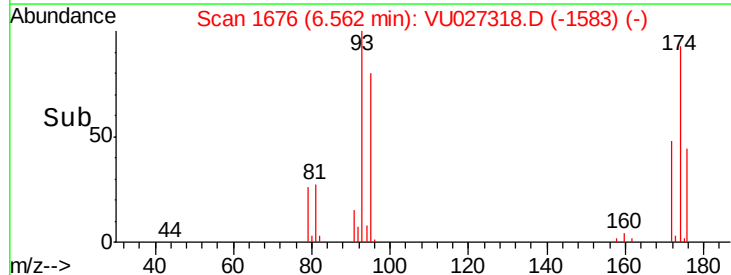
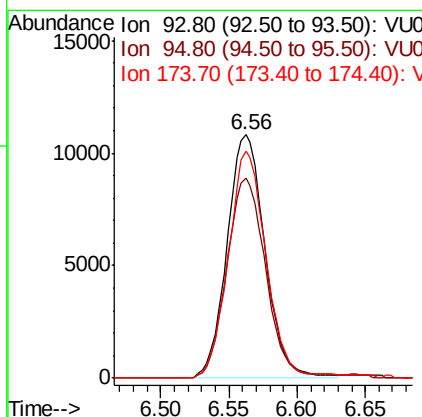
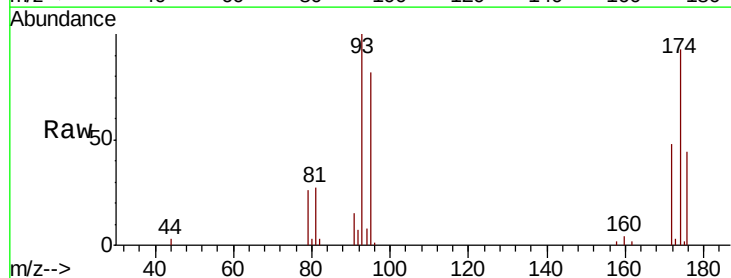
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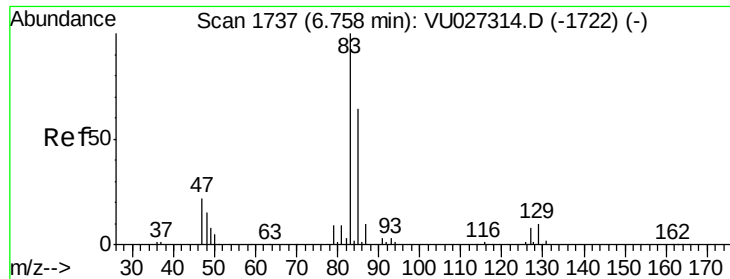
MMDadoda
 10/3/2018 11:41:43 AM



#46
 Dibromomethane
 Concen: 19.510 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion: 93 Resp: 20894
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.5 99.7
 174 91.8 72.5 108.7





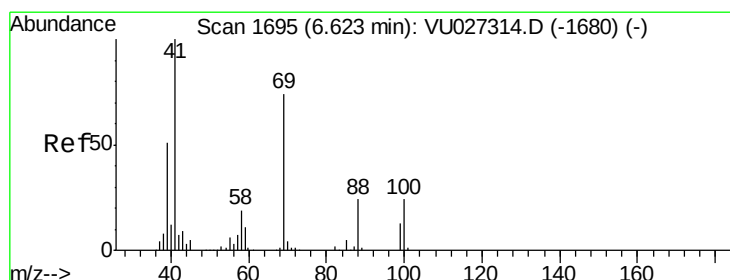
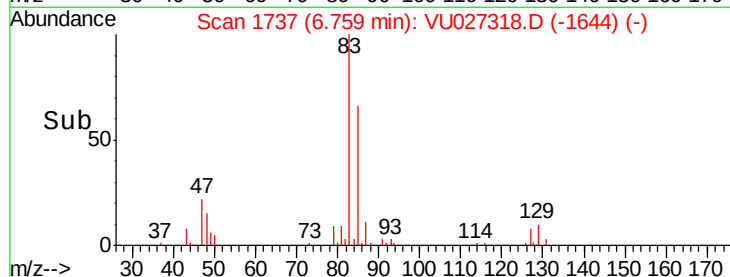
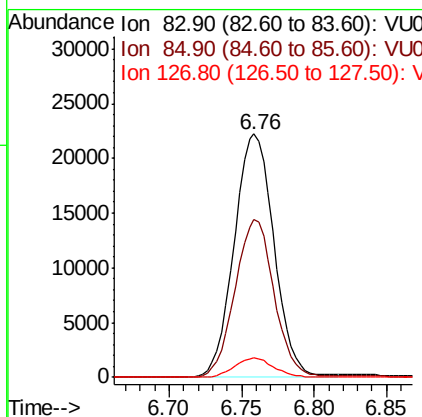
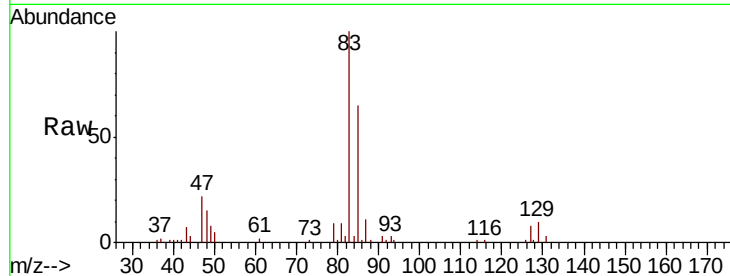
#47
Bromodichloromethane
Concen: 19.157 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	42569
Ion Ratio	100		
83	100		
85	65.0	51.4	77.0
127	7.9	6.3	9.5

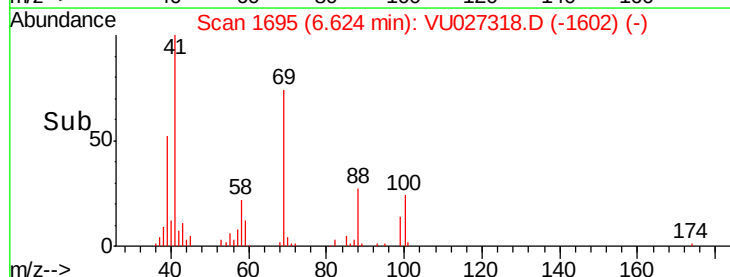
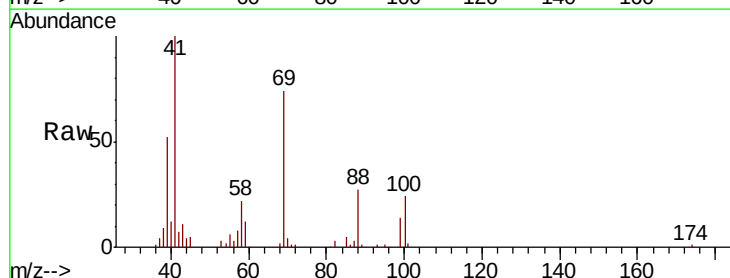
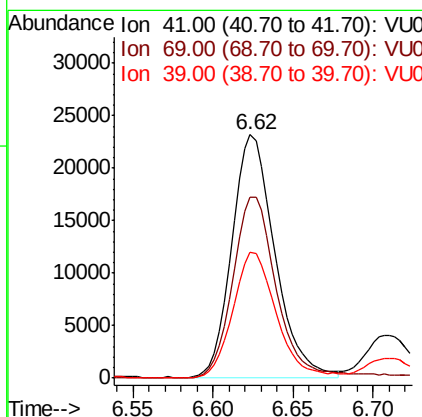
Manual Integrations
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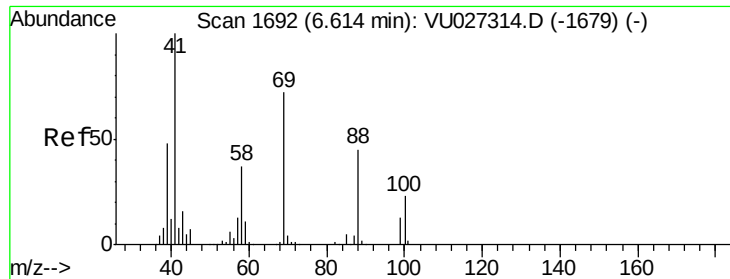
MMDadoda
10/3/2018 11:41:43 AM



#48
Methyl methacrylate
Concen: 18.924 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	41	Resp	42630
Ion Ratio	100		
41	100		
69	77.2	61.0	91.4
39	52.3	39.9	59.9





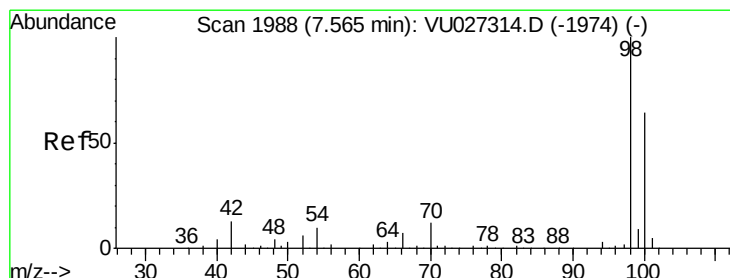
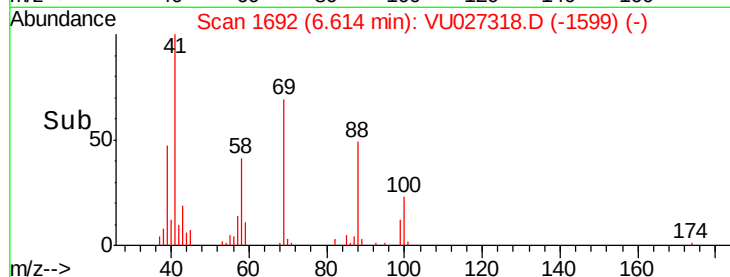
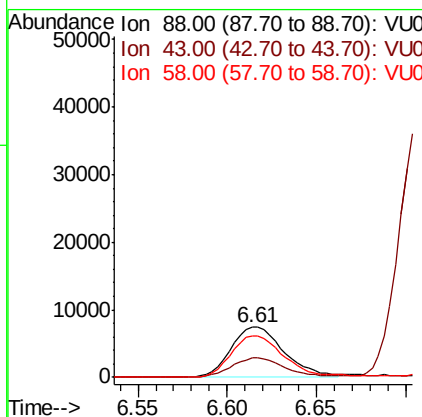
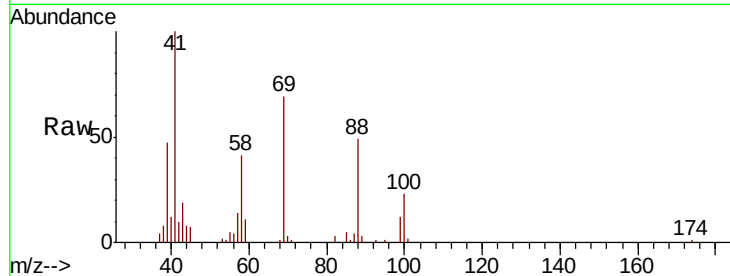
#49
1,4-Dioxane
Concen: 395.483 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	30.8	46.2
58	83.4	67.0	100.6

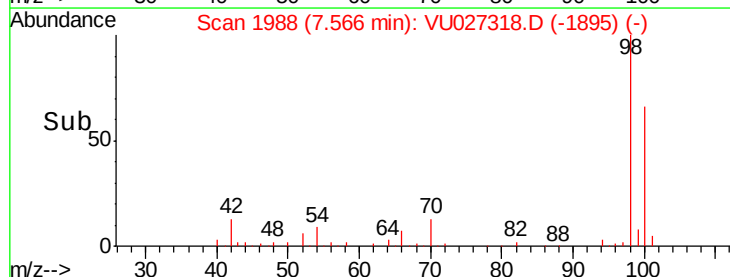
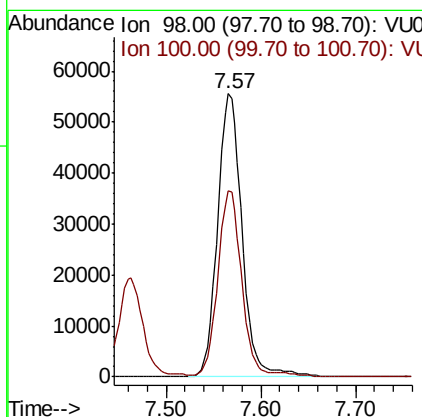
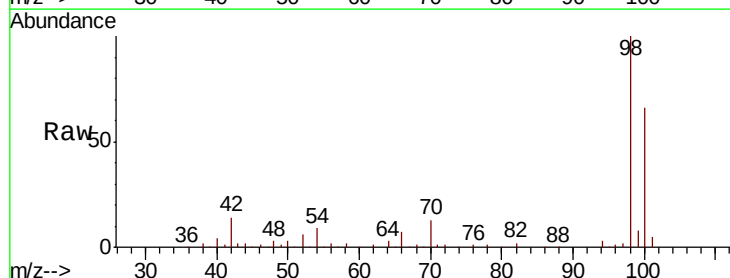
Manual Integrations
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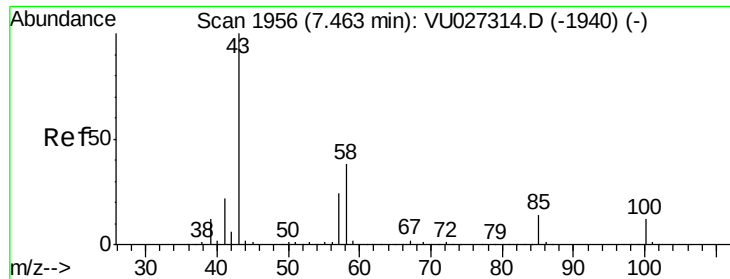
MMDadoda
10/3/2018 11:41:43 AM



#50
Toluene-d8
Concen: 18.774 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 96.469 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 283975

Ion Ratio Lower Upper

43 100

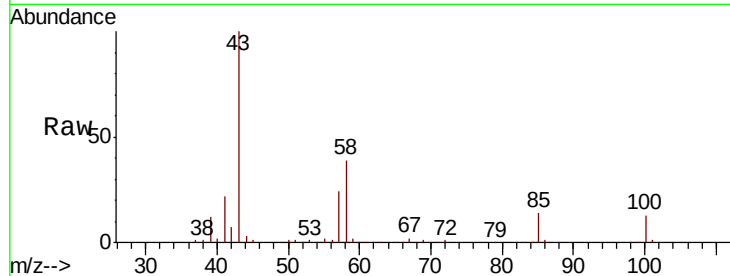
58 37.6 29.8 44.8

Manual Integrations

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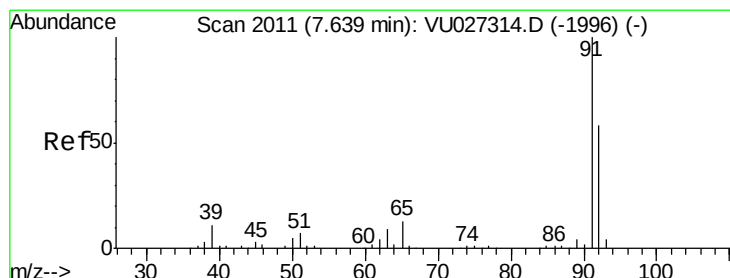
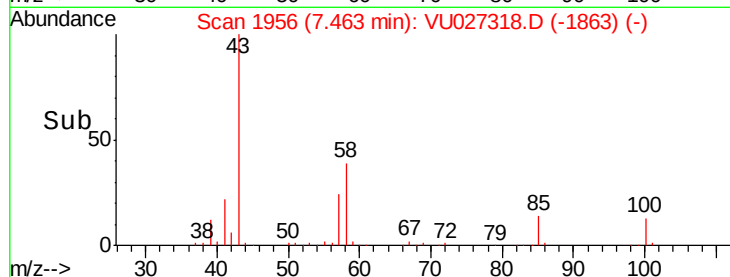
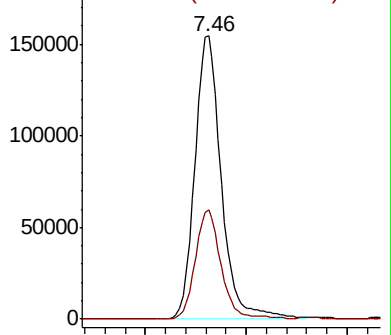
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 19.363 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027318.D

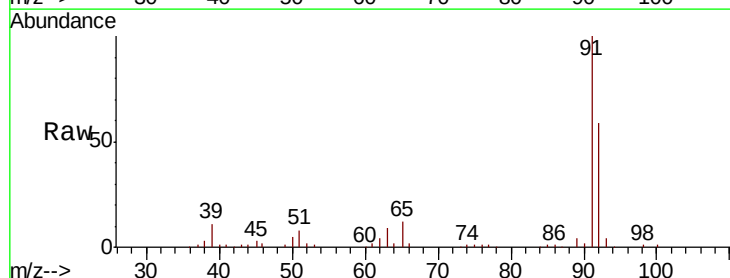
Acq: 01 Oct 2018 12:52

Tgt Ion: 92 Resp: 75342

Ion Ratio Lower Upper

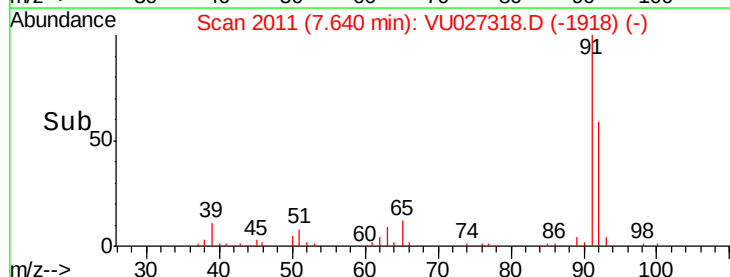
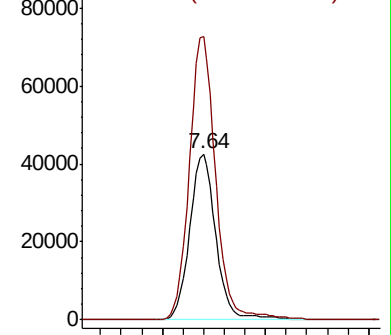
92 100

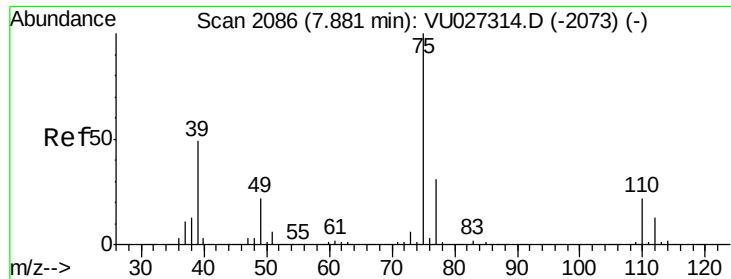
91 171.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





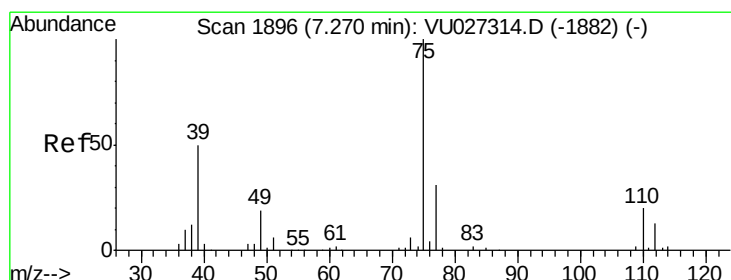
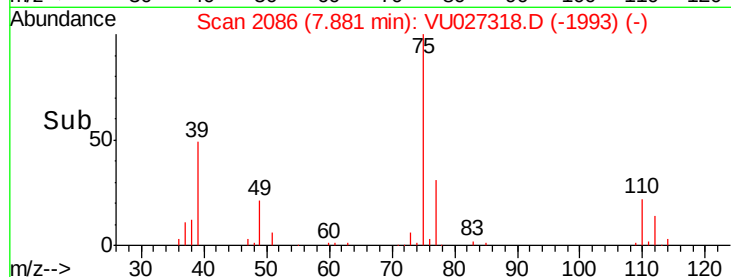
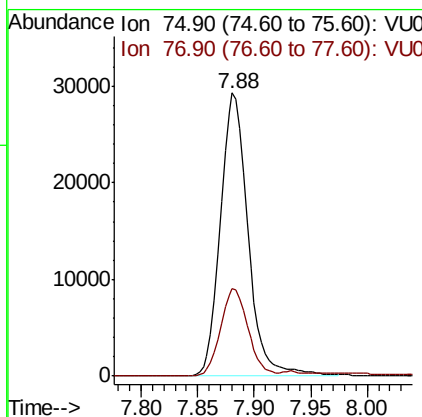
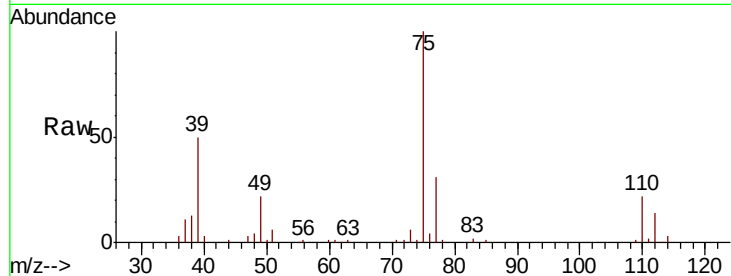
#53
t-1,3-Dichloropropene
Concen: 19.216 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 50066
Ion Ratio Lower Upper
75 100
77 30.9 25.0 37.6

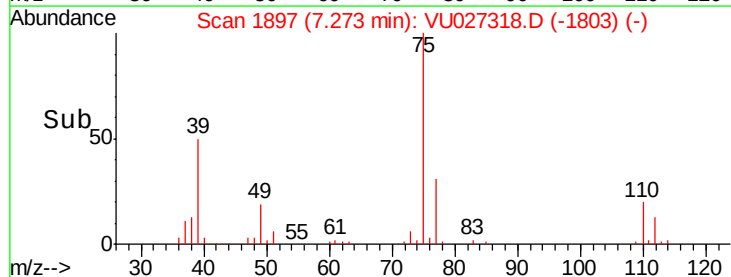
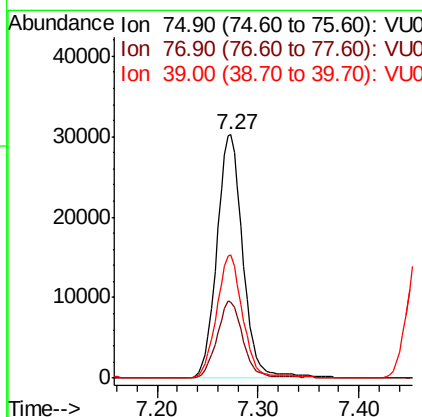
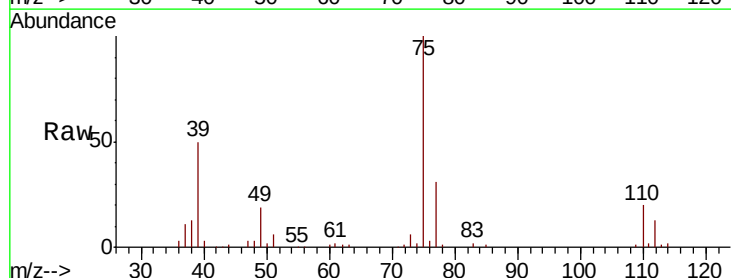
Manual Integrations
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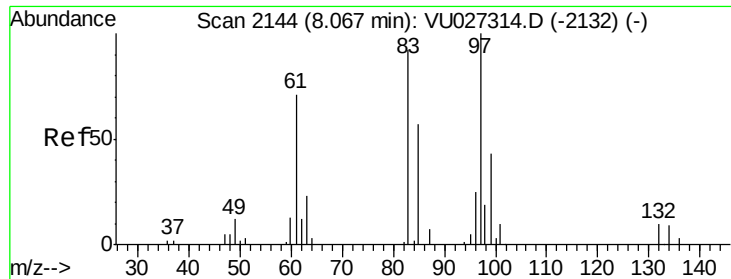
MMDadoda
10/3/2018 11:41:43 AM



#54
cis-1,3-Dichloropropene
Concen: 19.382 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion: 75 Resp: 54287
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7
39 50.4 40.1 60.1





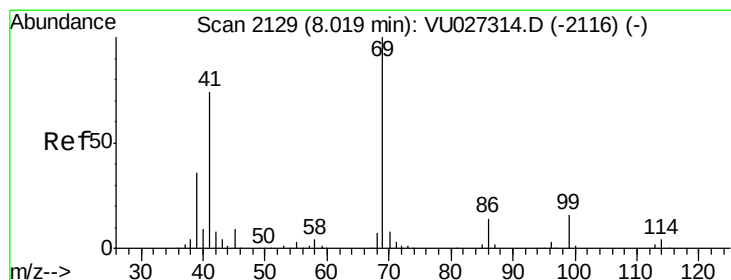
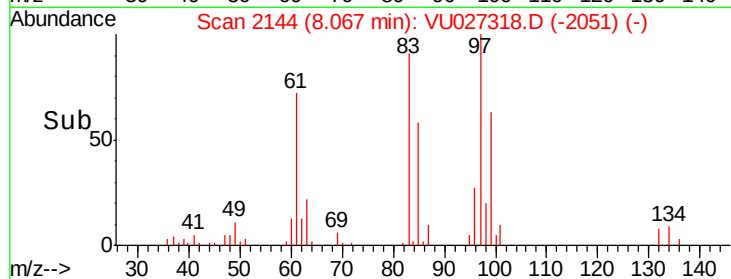
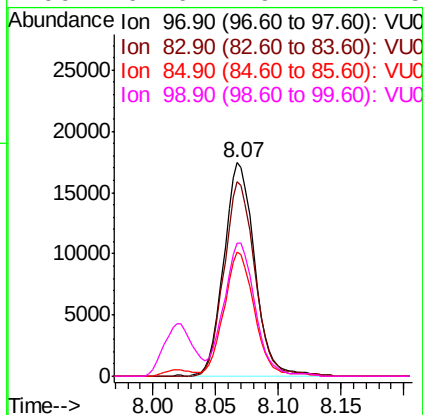
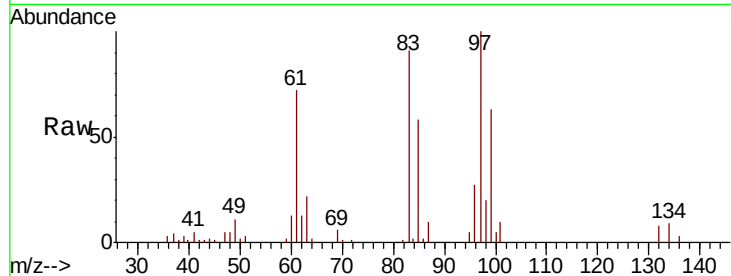
#55
 1,1,2-Trichloroethane
 Concen: 19.379 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	29897
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	58.2	47.3	70.9
99	62.6	49.7	74.5

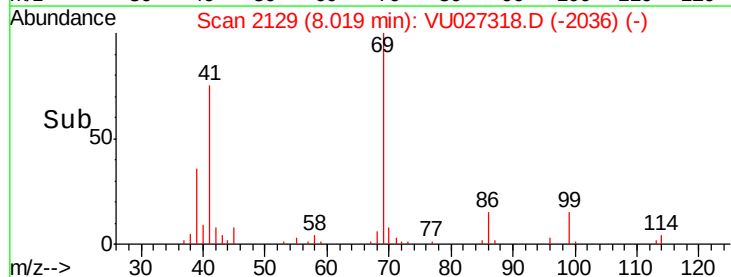
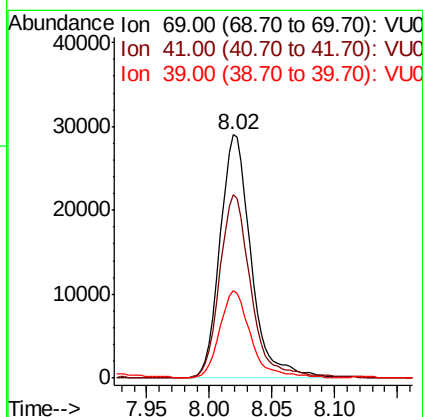
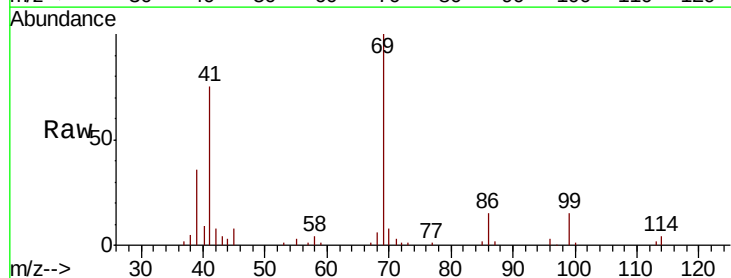
Manual Integrations
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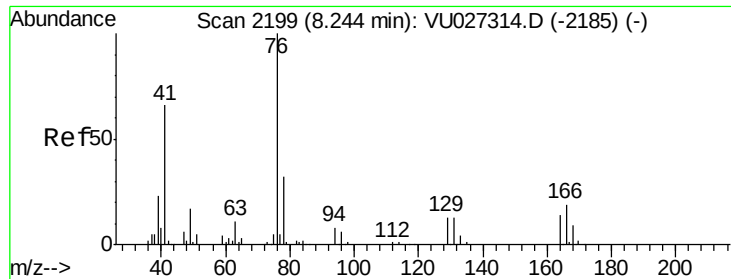
MMDadoda
 10/3/2018 11:41:43 AM



#56
 Ethyl methacrylate
 Concen: 19.525 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion:	69	Resp:	49992
Ion	Ratio	Lower	Upper
69	100		
41	76.2	60.0	90.0
39	36.1	29.5	44.3





#57

1,3-Dichloropropane

Concen: 19.387 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 58063

Ion Ratio Lower Upper

76 100

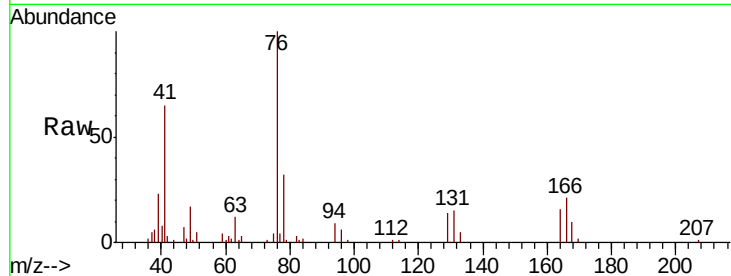
78 31.4 25.8 38.6

Manual Integrations

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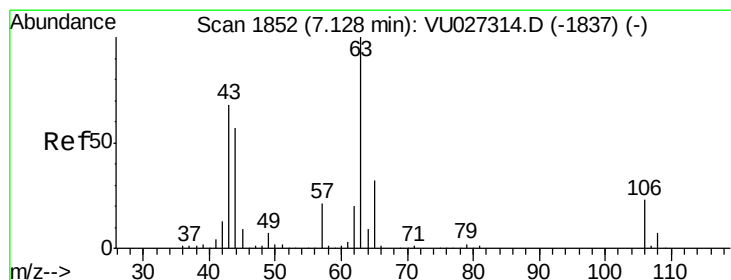
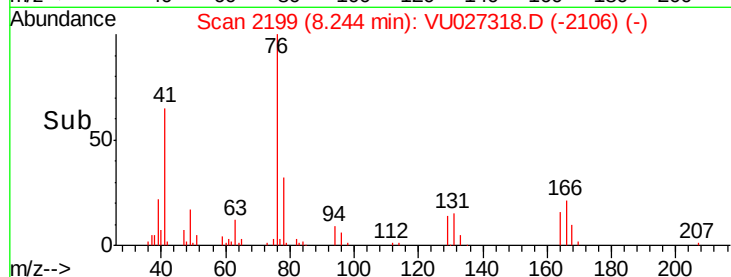
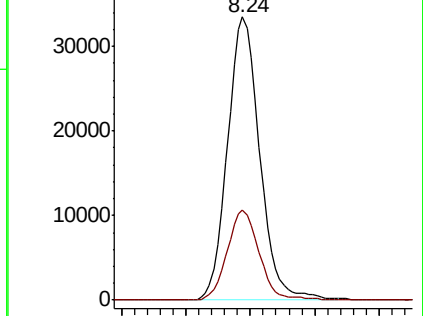
MMDadoda

10/3/2018 11:41:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 104.093 ug/l

RT: 7.13 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VU027318.D

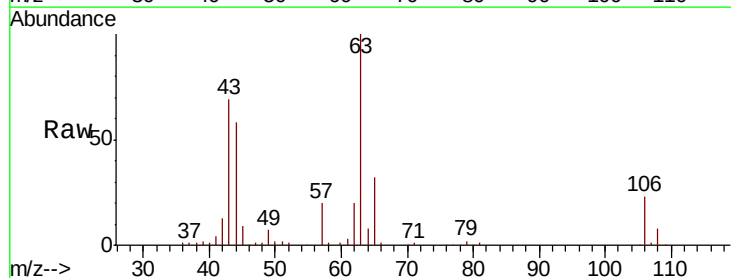
Acq: 01 Oct 2018 12:52

Tgt Ion: 63 Resp: 148885

Ion Ratio Lower Upper

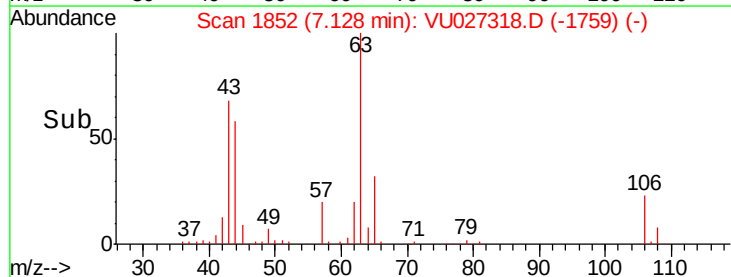
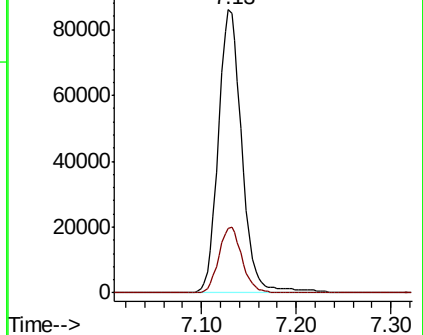
63 100

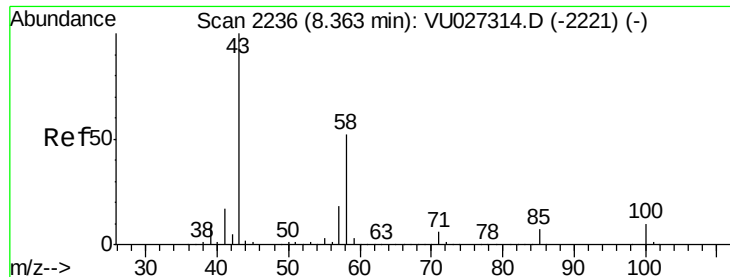
106 22.8 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





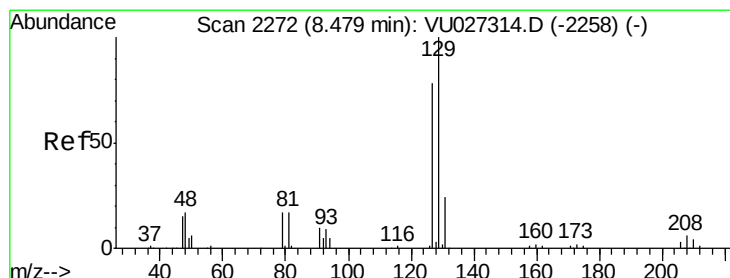
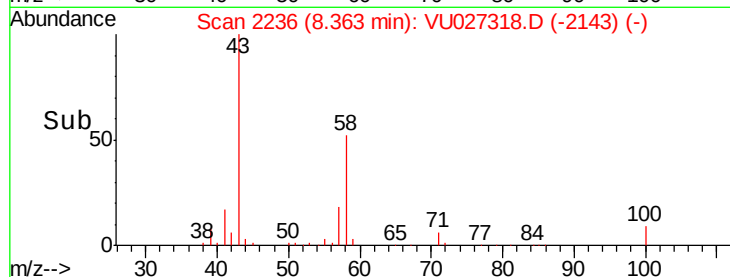
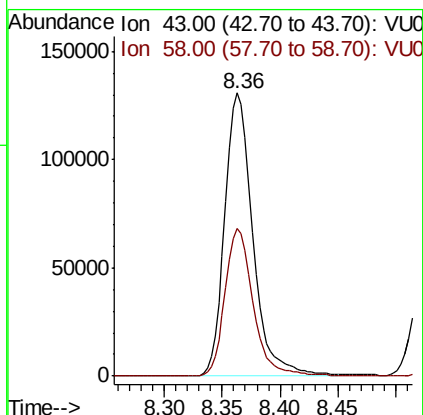
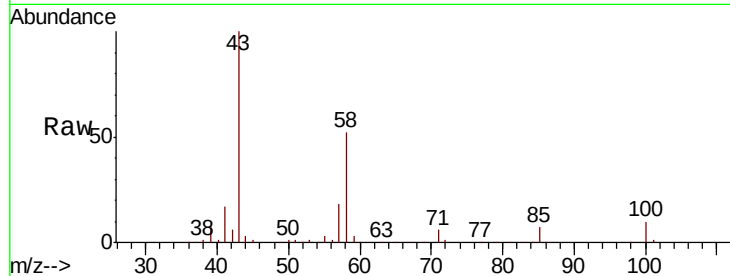
#59
2-Hexanone
Concen: 96.216 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.5	26.1	78.3

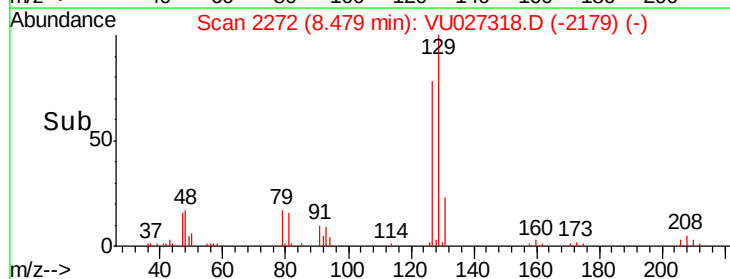
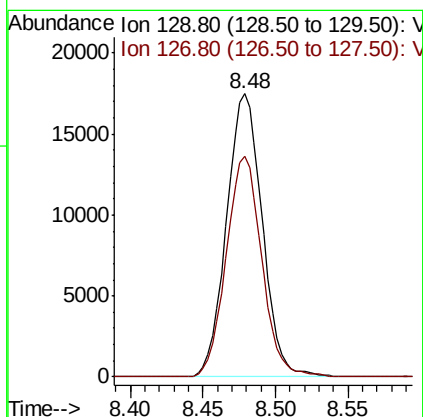
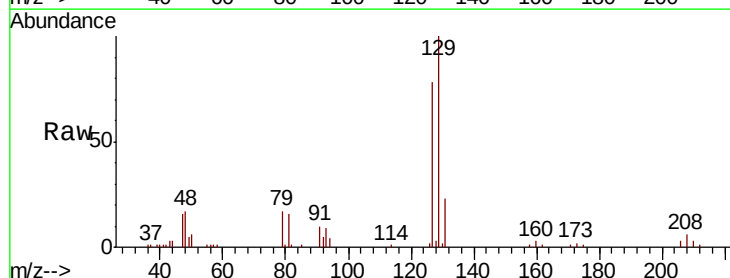
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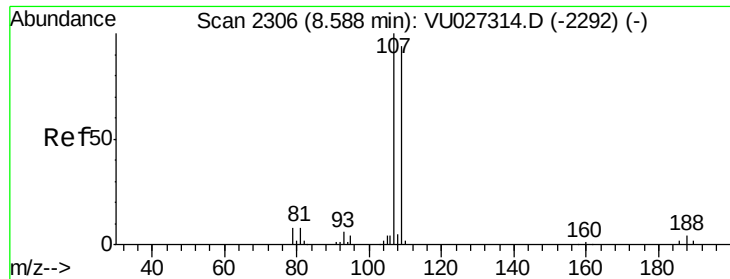
MMDadoda
10/3/2018 11:41:43 AM



#60
Dibromochloromethane
Concen: 19.344 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2





#61

1,2-Dibromoethane

Concen: 19.292 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 31644

Ion Ratio Lower Upper

107 100

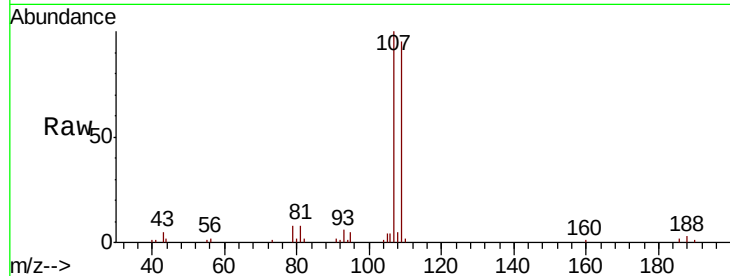
109 92.9 74.5 111.7

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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

20000

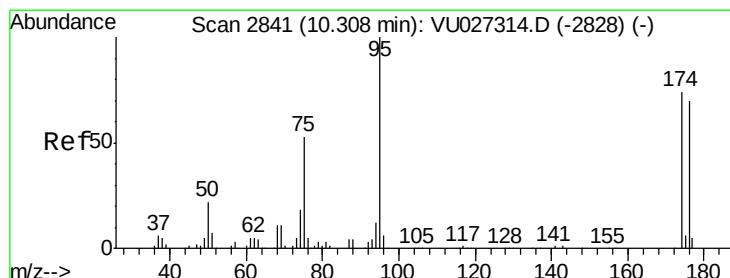
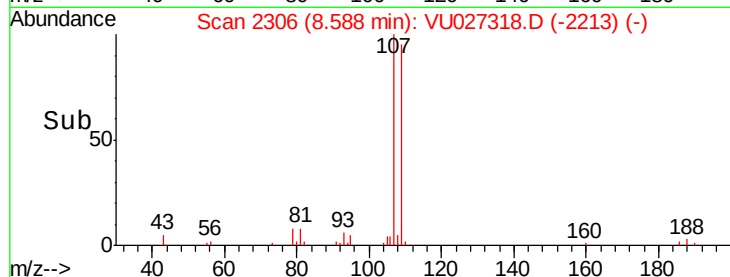
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#62

4-Bromofluorobenzene

Concen: 18.151 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

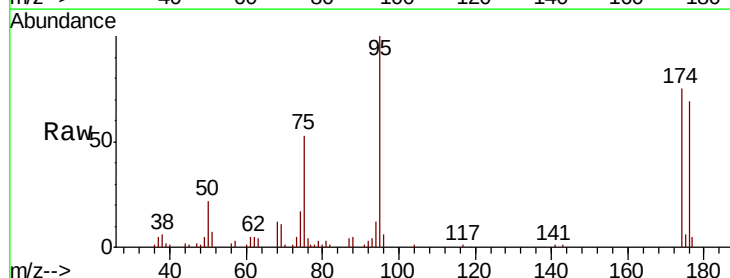
Tgt Ion: 95 Resp: 35395

Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.8

176 70.2 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

30000

25000

20000

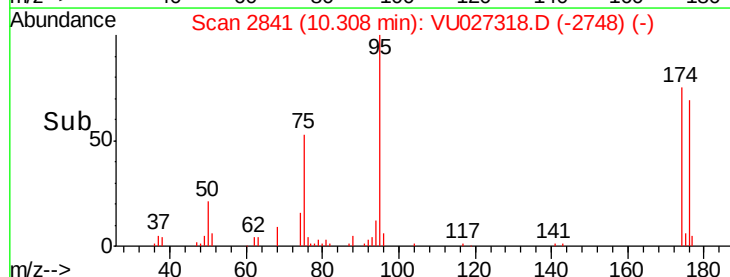
15000

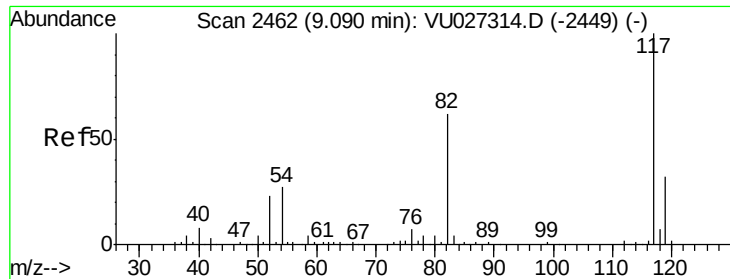
10000

5000

0

Time--> 10.25 10.30 10.35 10.40





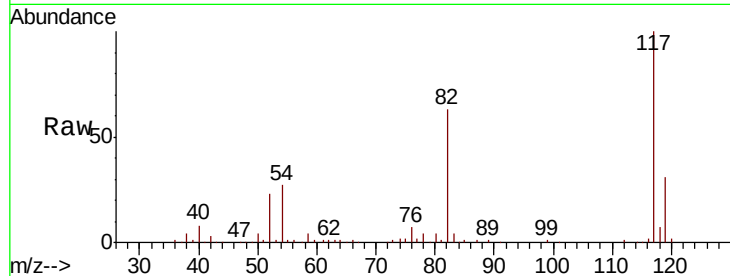
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	49.2	73.8
119	31.5	25.7	38.5

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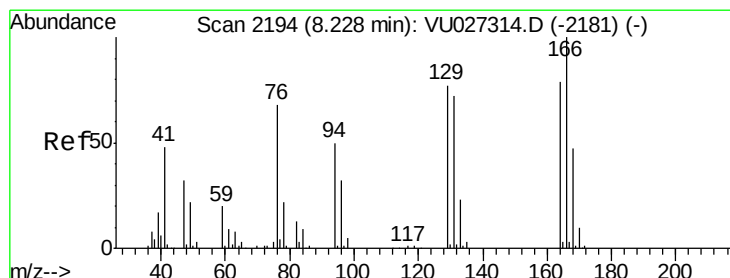
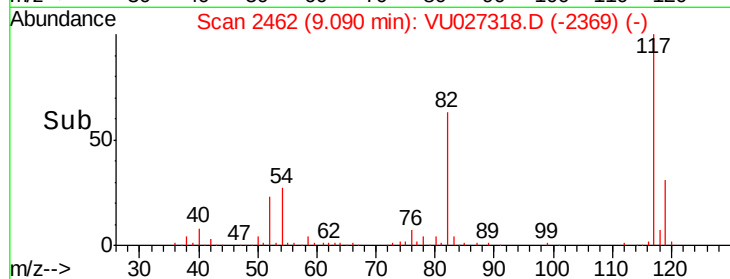
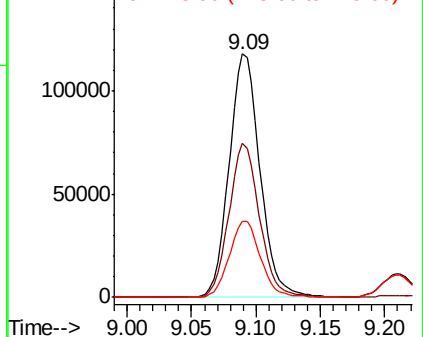


Abundance

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: 19.309 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.8	101.0	151.6
129	91.7	78.0	117.0
131	94.4	72.6	109.0

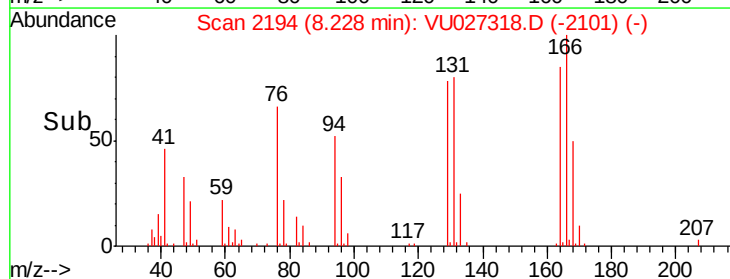
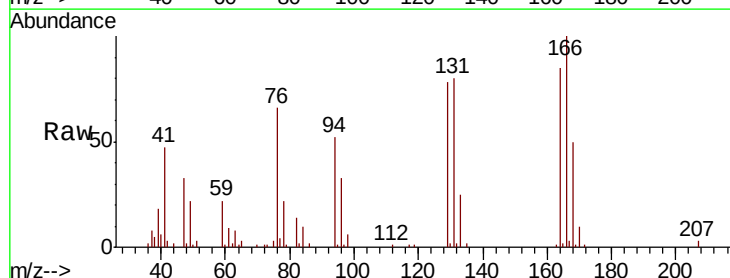
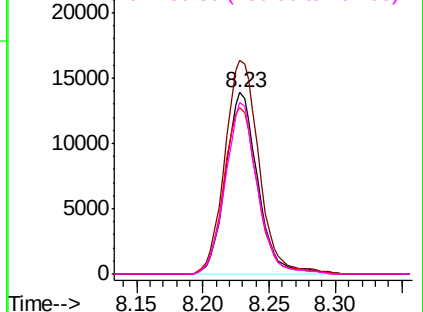
Abundance

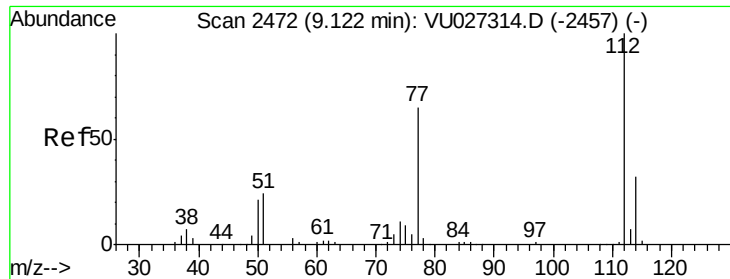
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





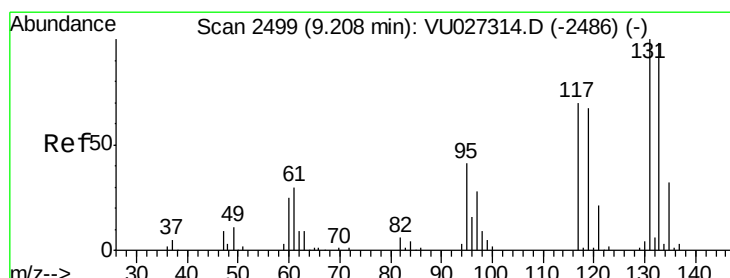
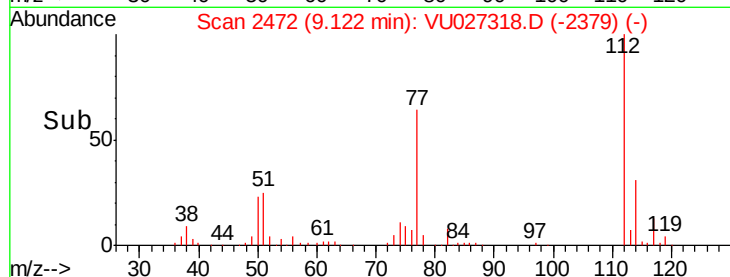
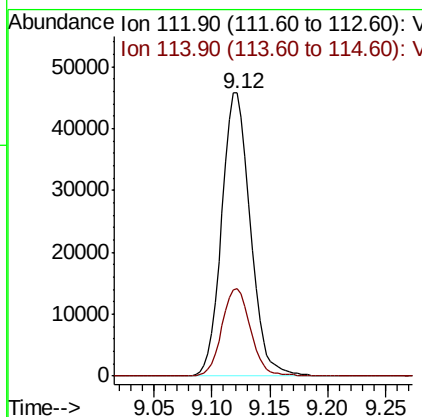
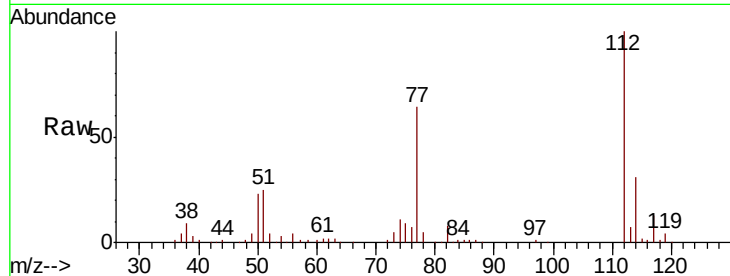
#65
Chlorobenzene
Concen: 19.074 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6

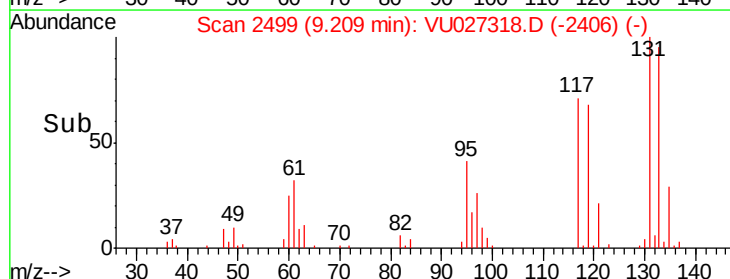
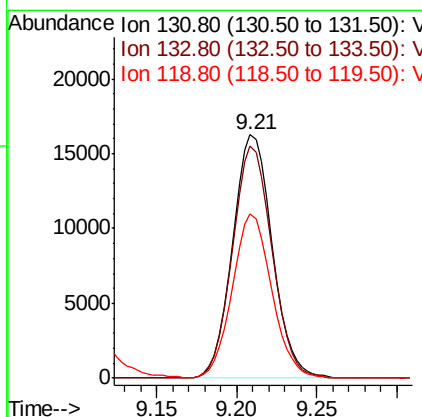
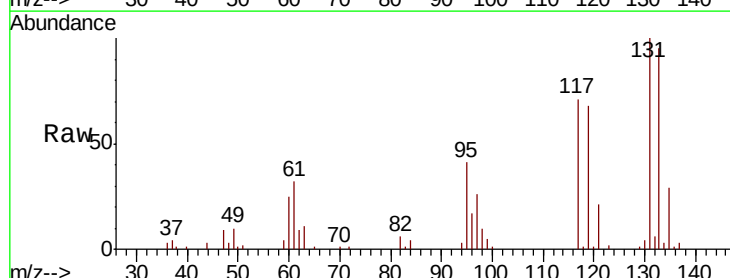
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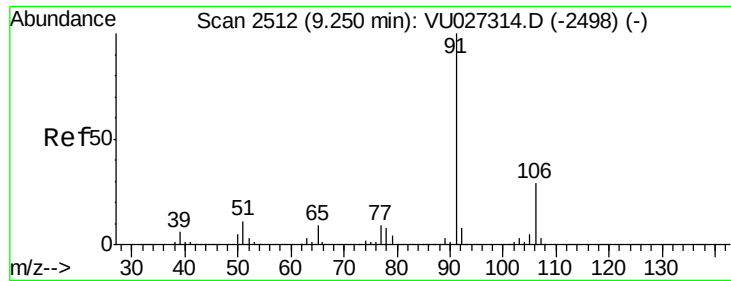
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.313 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.5	145.6
119	67.0	33.5	100.4





#67

Ethyl Benzene

Concen: 18.931 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 138077

Ion Ratio Lower Upper

91 100

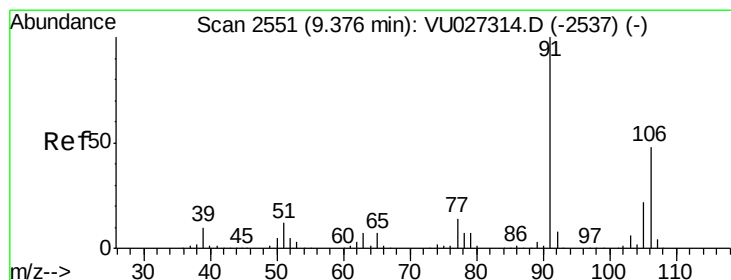
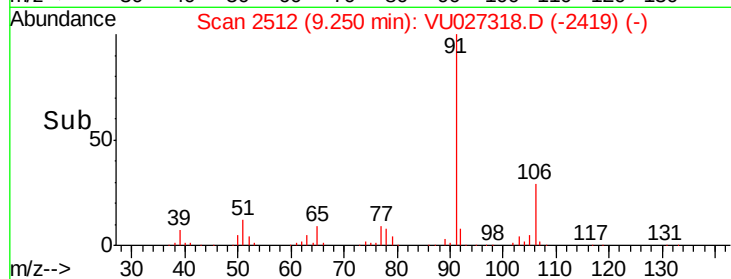
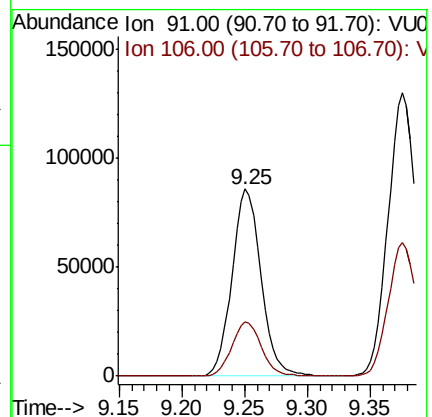
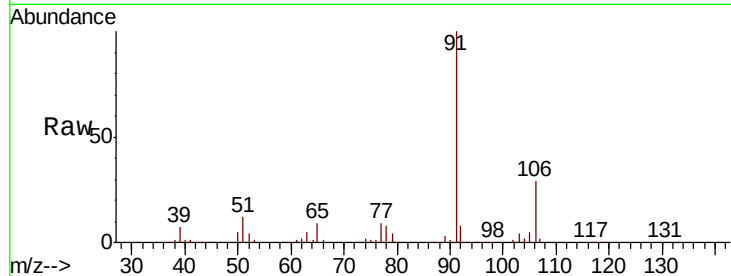
106 28.7 23.6 35.4

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#68

m/p-Xylenes

Concen: 38.281 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VU027318.D

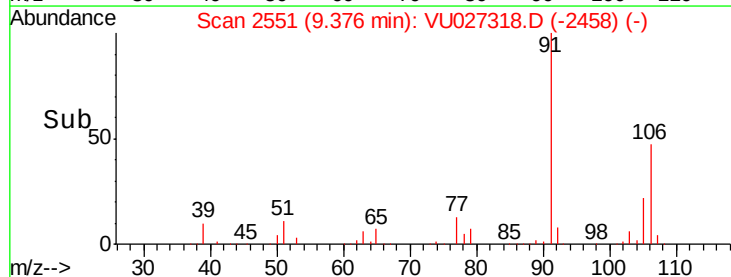
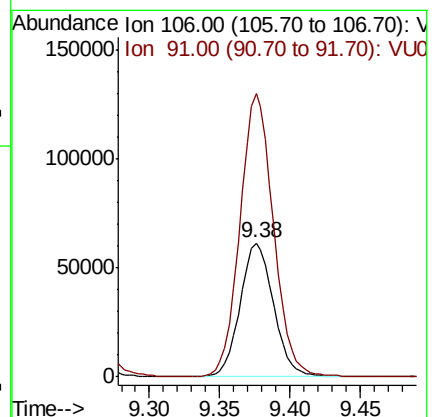
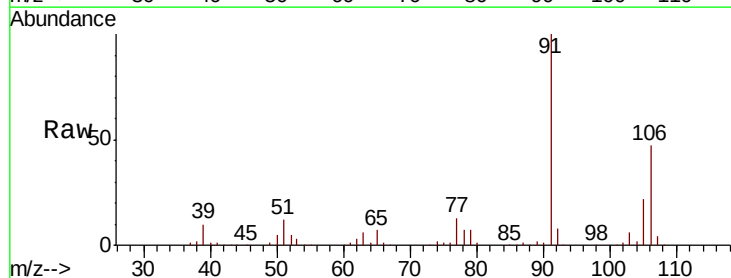
Acq: 01 Oct 2018 12:52

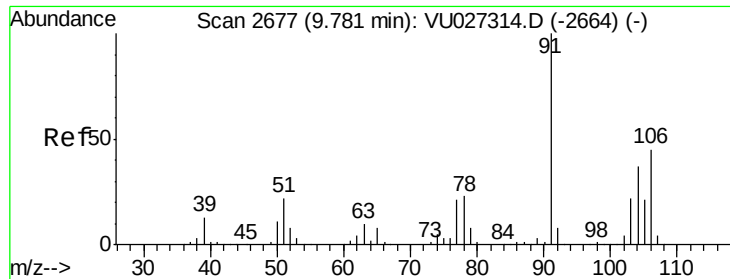
Tgt Ion: 106 Resp: 102131

Ion Ratio Lower Upper

106 100

91 211.3 168.1 252.1





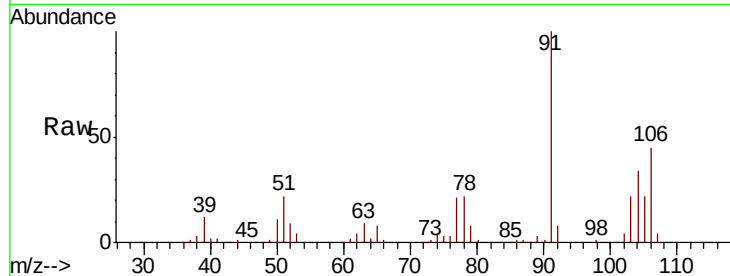
#69
o-Xylene
Concen: 19.289 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

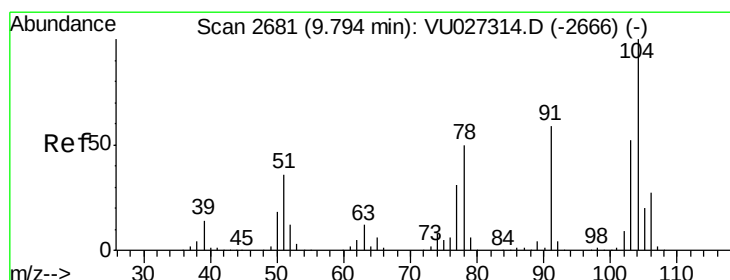
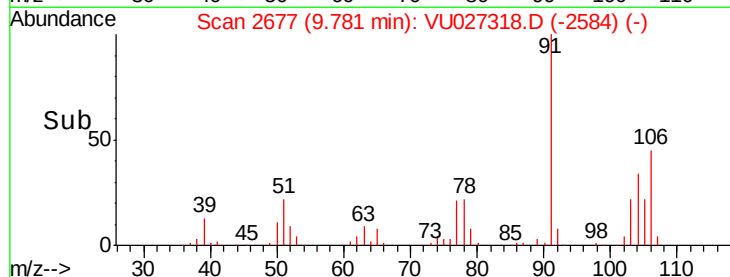
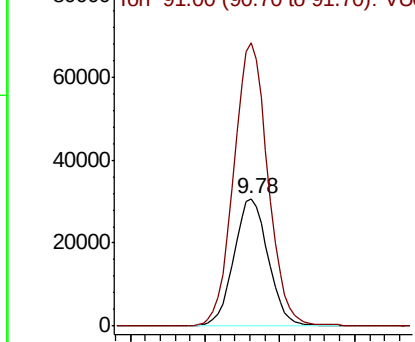
Tot Ion:106 Resp: 48903
Ion Ratio Lower Upper
106 100
91 222.5 111.7 334.9

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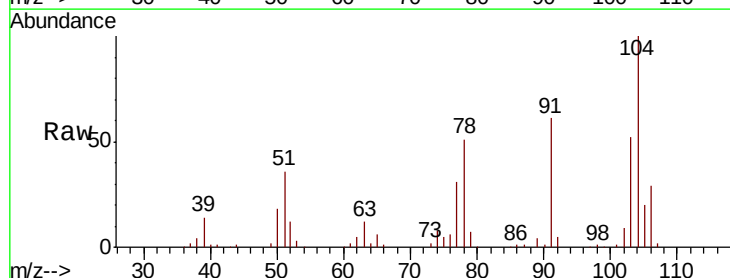


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

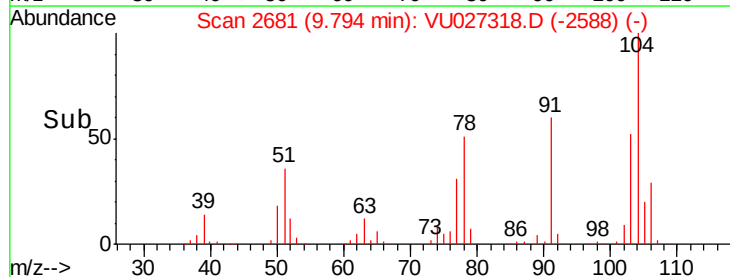
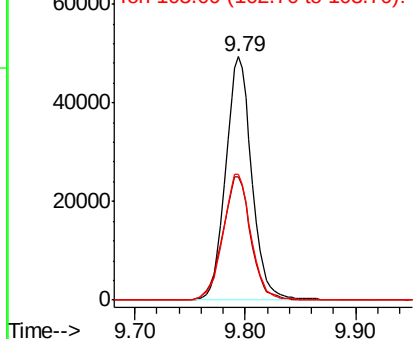


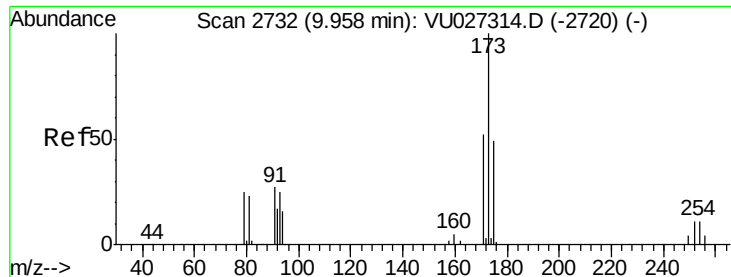
#70
Styrene
Concen: 19.415 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion:104 Resp: 80831
Ion Ratio Lower Upper
104 100
78 54.5 42.9 64.3
103 55.0 43.9 65.9



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





#71

Bromoform

Concen: 18.700 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 21382

Ion Ratio Lower Upper

173 100

175 47.1 24.3 73.0

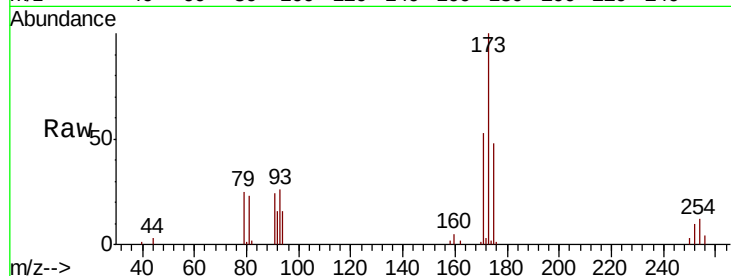
254 0.0 0.0 0.0

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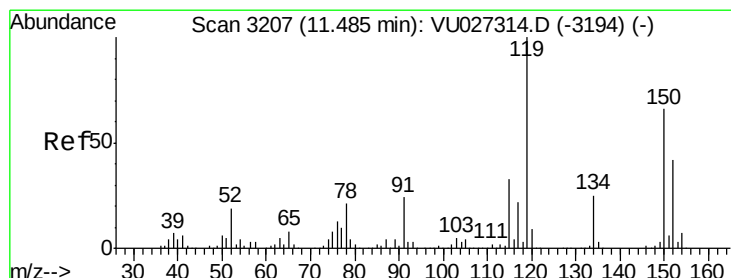
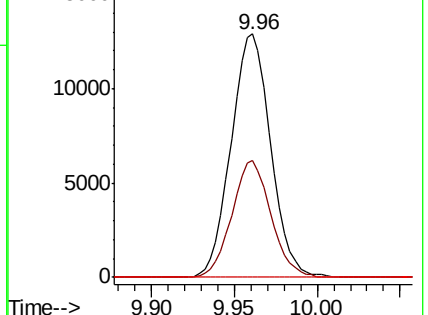
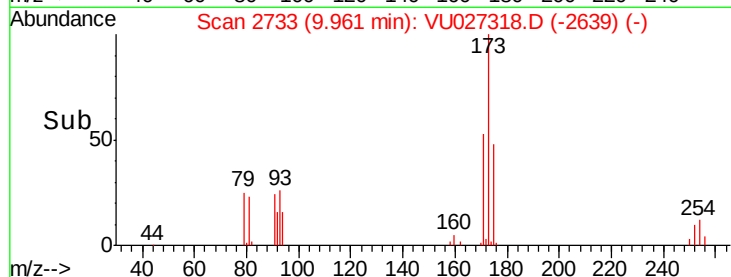
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

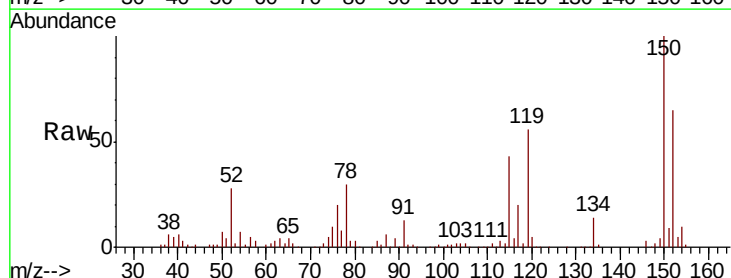
Tgt Ion:152 Resp: 93499

Ion Ratio Lower Upper

152 100

115 70.1 43.4 130.2

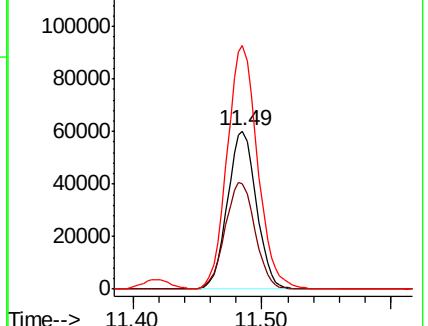
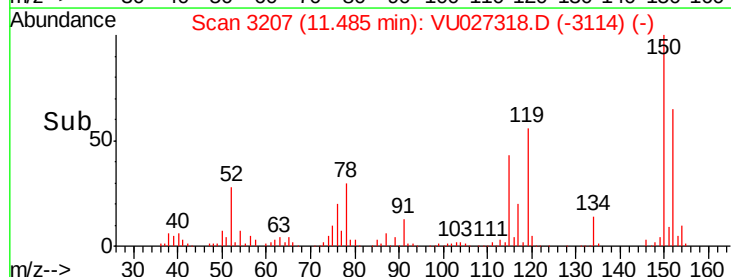
150 162.4 0.0 349.2

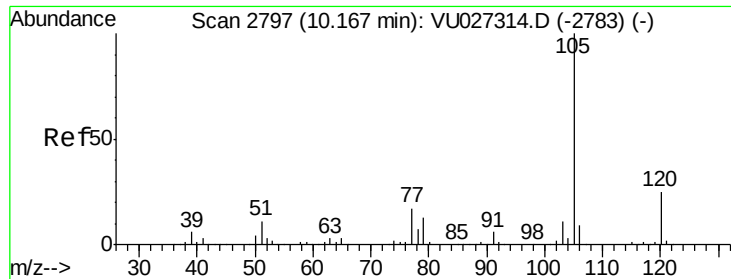


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.761 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 134194

Ion Ratio Lower Upper

105 100

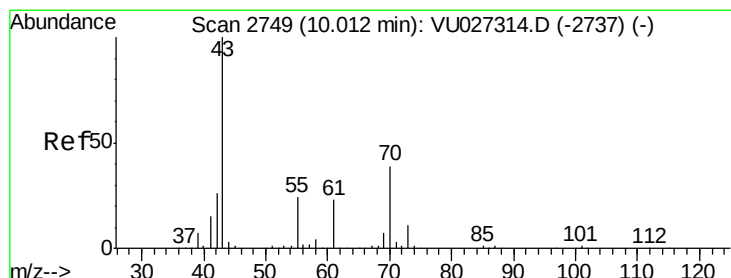
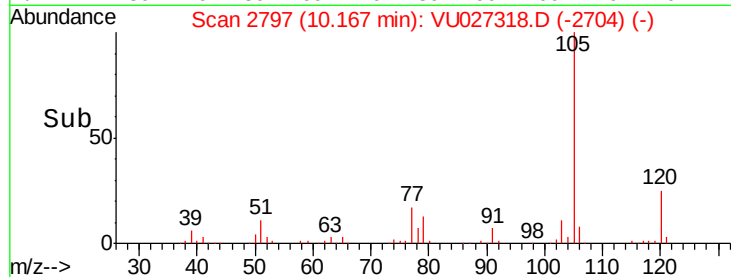
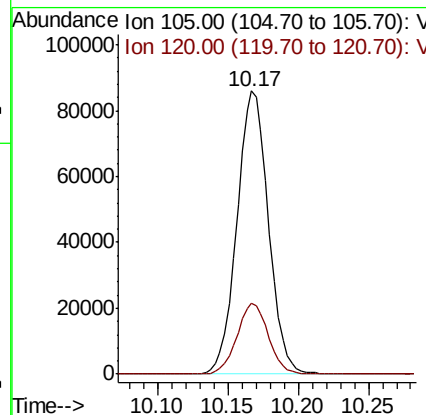
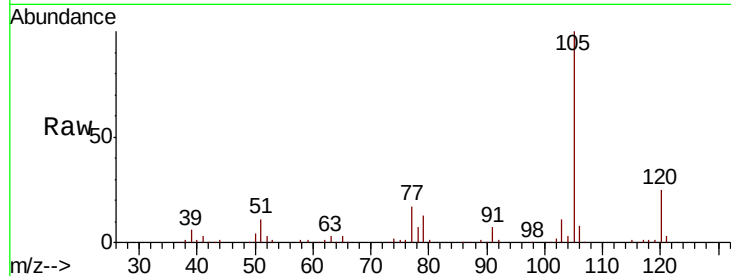
120 25.0 12.6 37.8

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#74

N-ethyl acetate

Concen: 19.110 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion: 43 Resp: 74291

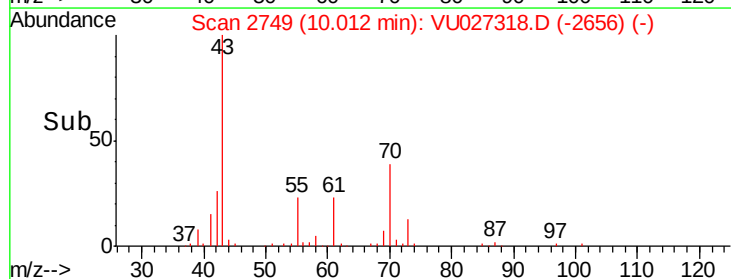
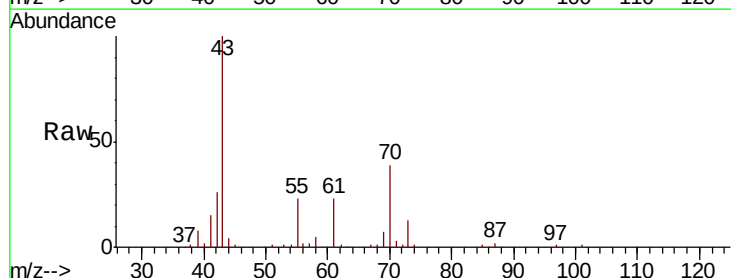
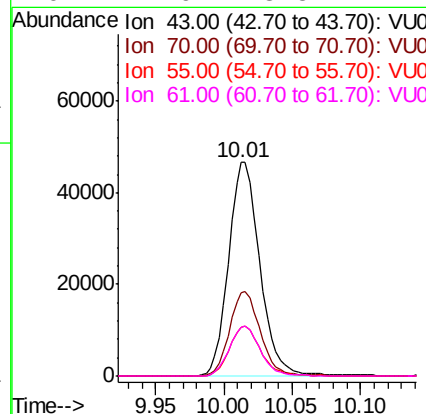
Ion Ratio Lower Upper

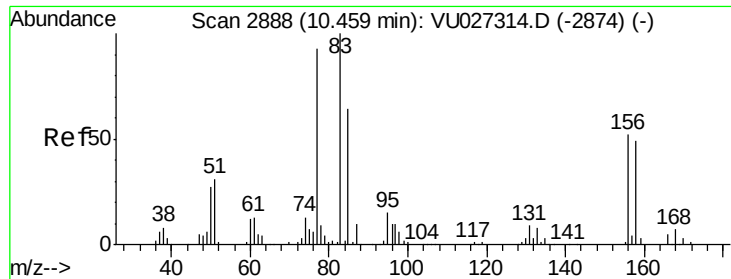
43 100

70 38.8 31.3 46.9

55 23.3 19.0 28.6

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.362 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

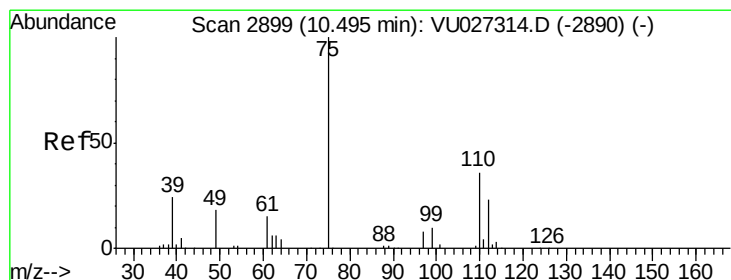
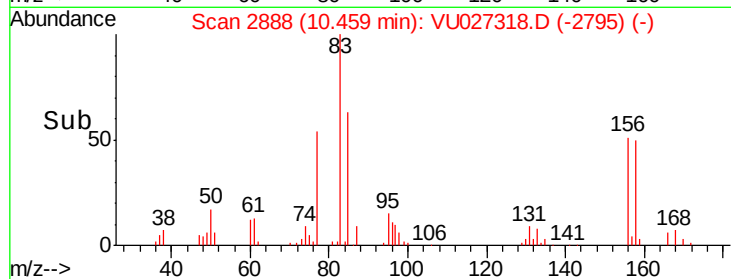
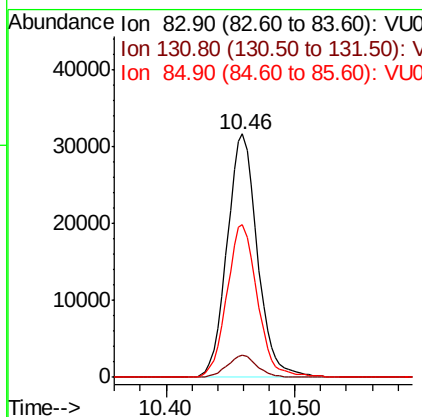
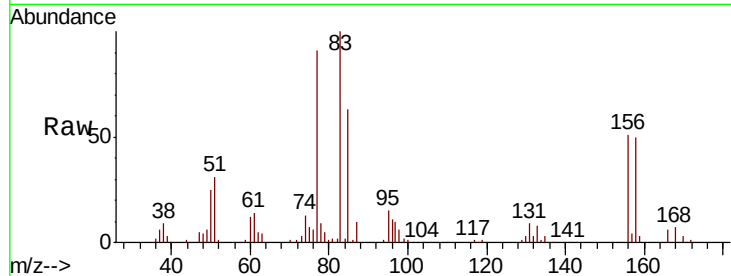
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	51627
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.4	13.2
85	63.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 18.016 ug/l m

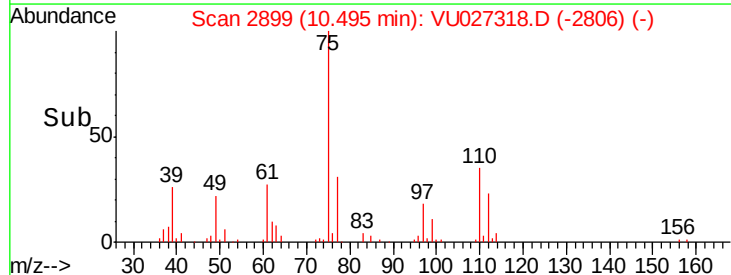
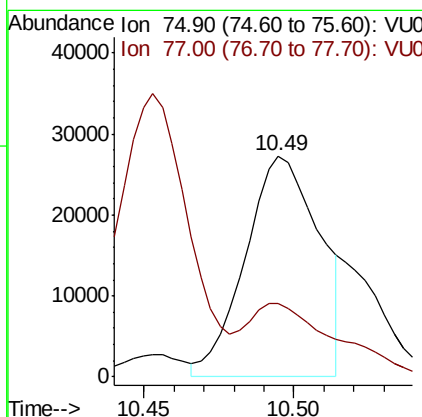
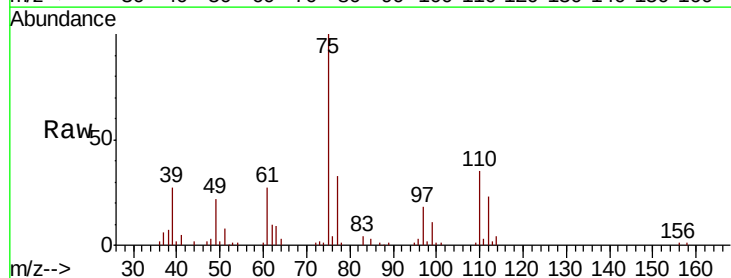
RT: 10.49 min Scan# 2899

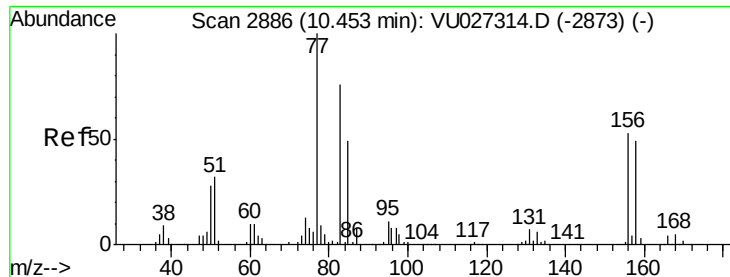
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	75	Resp:	46960
Ion Ratio	Lower	Upper	
75	100		
77	41.0	20.3	60.9





#77

Bromobenzene

Concen: 19.111 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

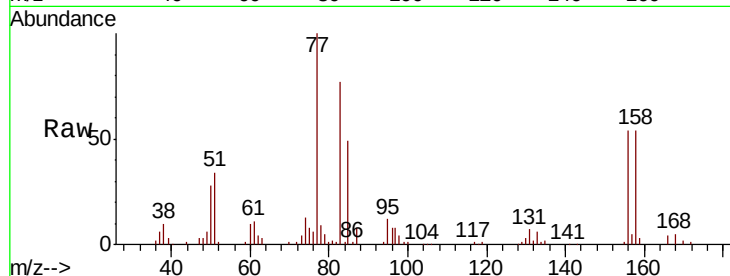
ClientSampleId :

VSTDIC020

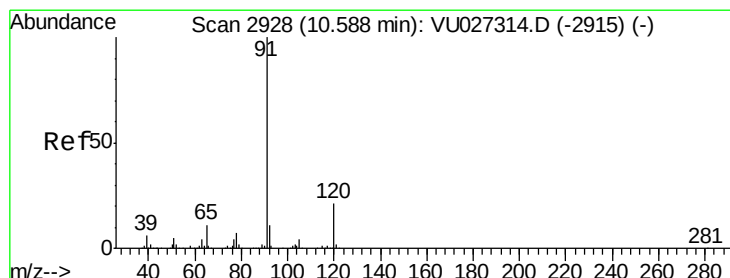
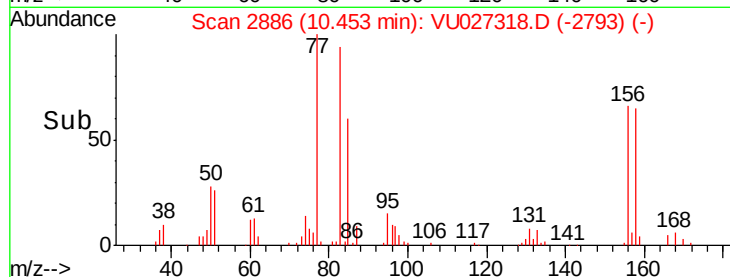
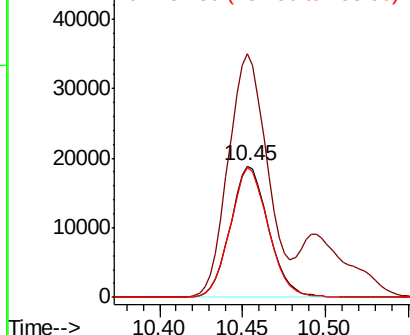
Tot Ion:	156	Resp:	30160
Ion Ratio	Lower	Upper	
156	100		
77	189.7	94.8	284.4
158	98.5	47.4	142.3

Manual Integrations
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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: 19.461 ug/l

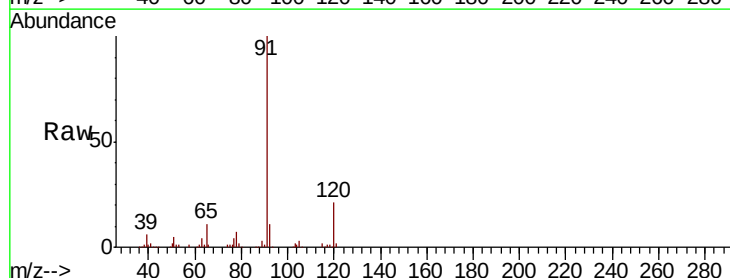
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

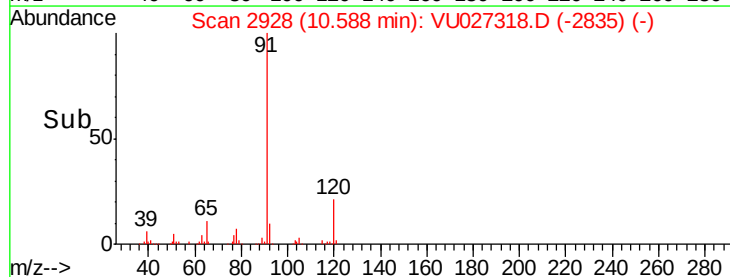
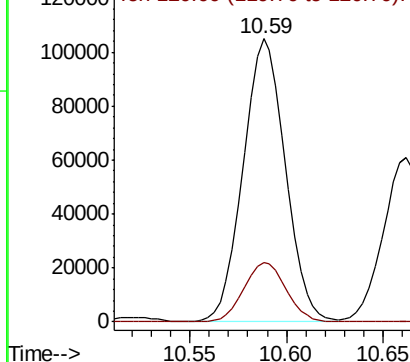
Lab File: VU027318.D

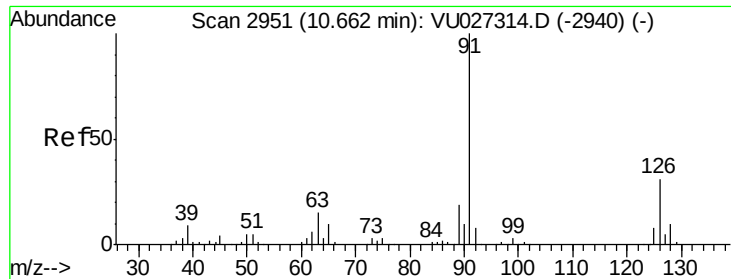
Acq: 01 Oct 2018 12:52

Tgt Ion:	91	Resp:	158797
Ion Ratio	Lower	Upper	
91	100		
120	21.2	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: 19.506 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 96105

Ion Ratio Lower Upper

91 100

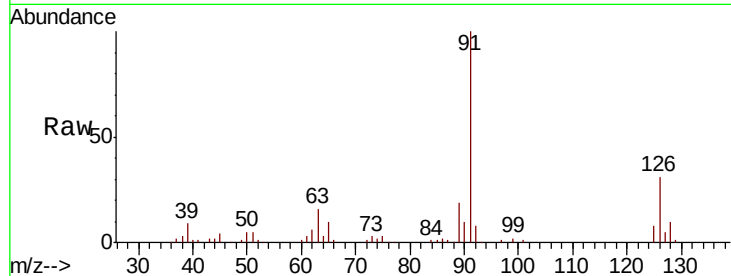
126 31.5 15.7 47.1

Manual Integrations

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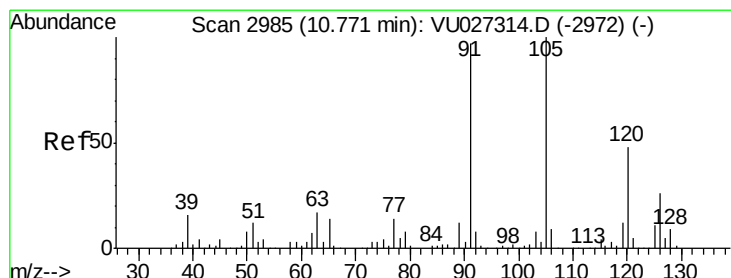
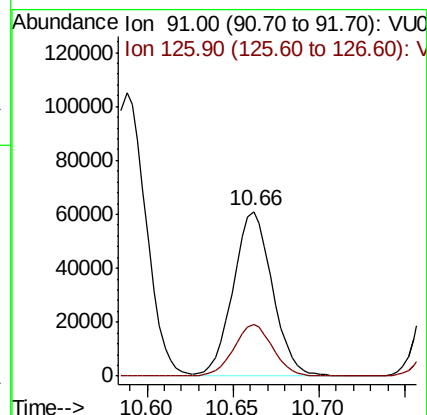
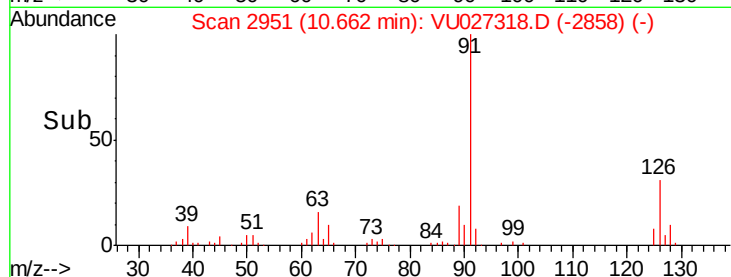
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU027318.D (-2858) (-)

Ion 125.90 (125.60 to 126.60): VU027318.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.863 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU027318.D

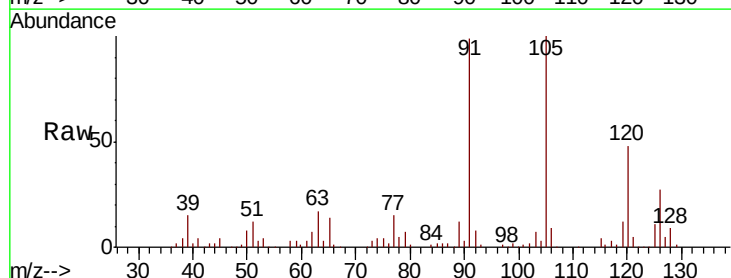
Acq: 01 Oct 2018 12:52

Tgt Ion: 105 Resp: 109814

Ion Ratio Lower Upper

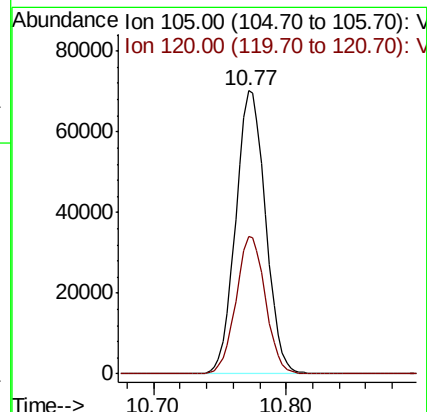
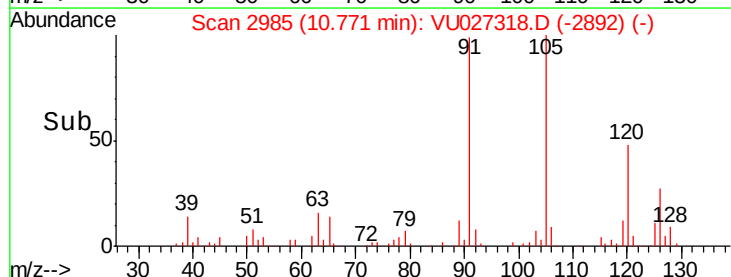
105 100

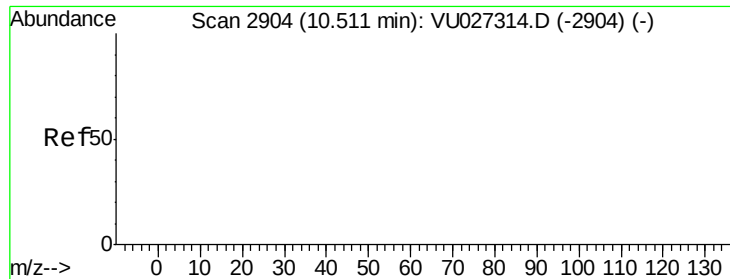
120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027318.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU027318.D (-2892) (-)





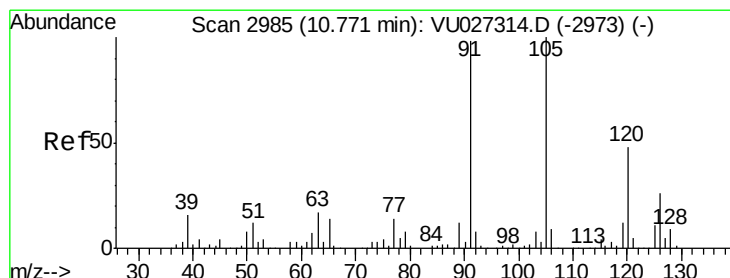
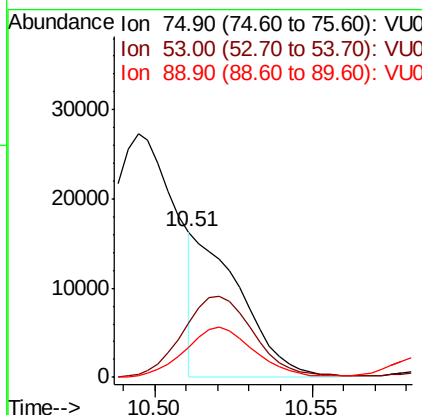
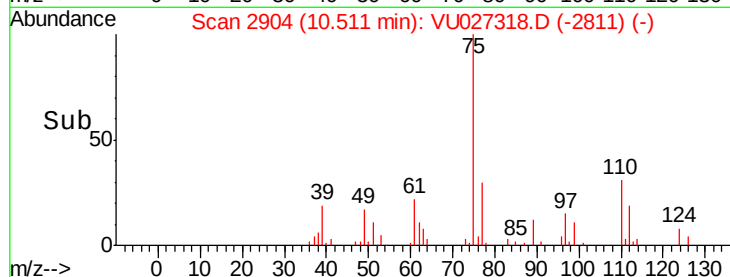
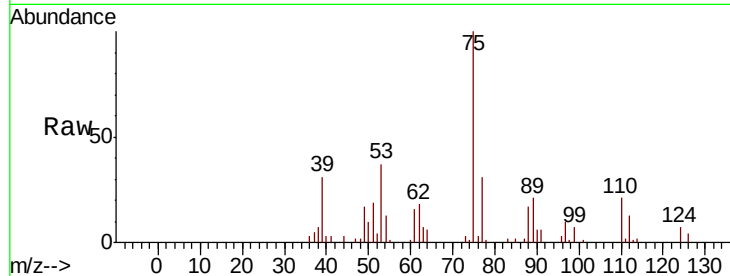
#81
trans-1,4-Dichloro-2-butene
Concen: 16.617 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

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

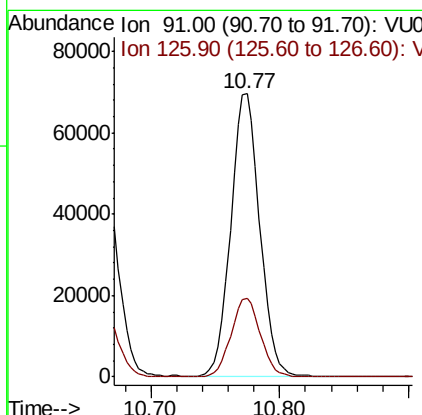
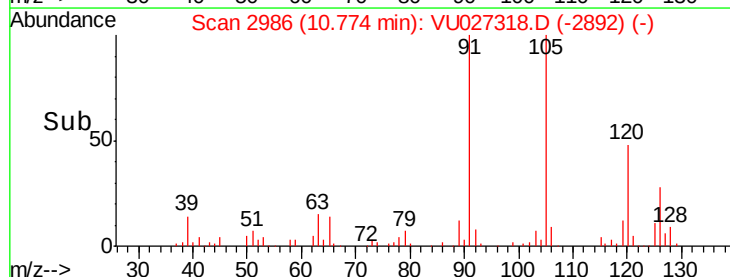
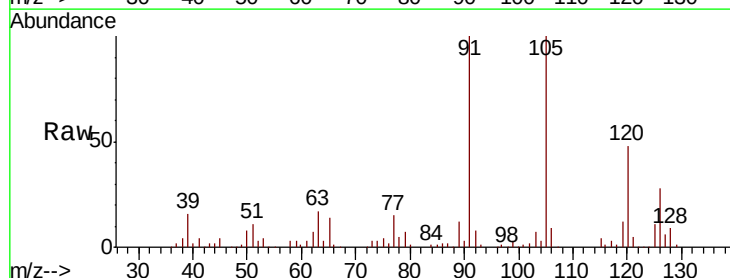
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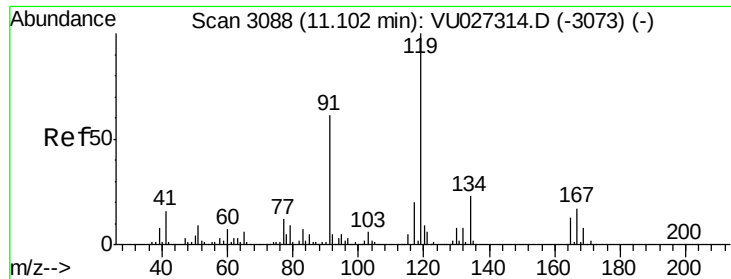
MMDadoda
10/3/2018 11:41:43 AM



#82
4-Chlorotoluene
Concen: 19.454 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.6	40.8





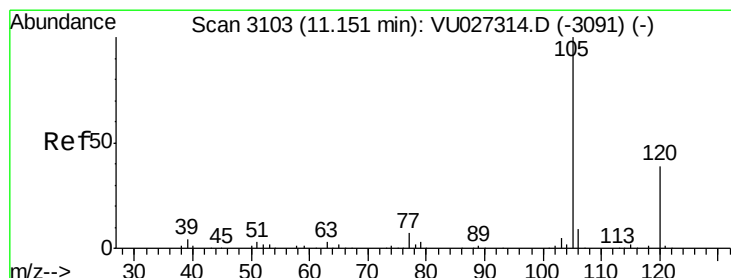
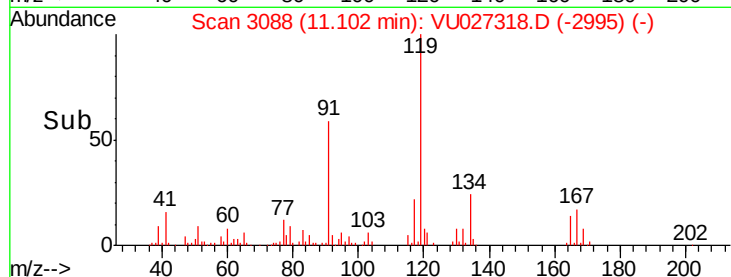
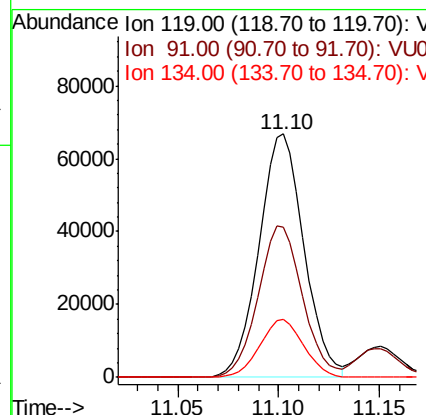
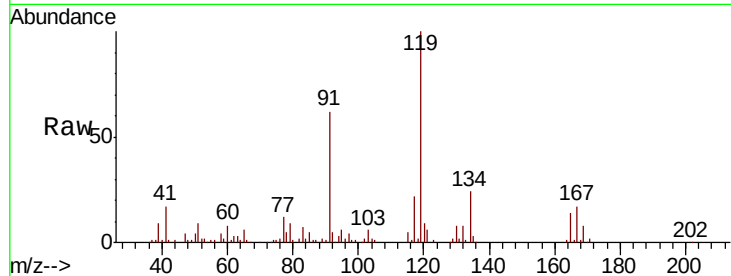
#83
tert-Butylbenzene
Concen: 19.463 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	104026		
91	61.7	30.3	91.0	
134	23.2	11.5	34.4	

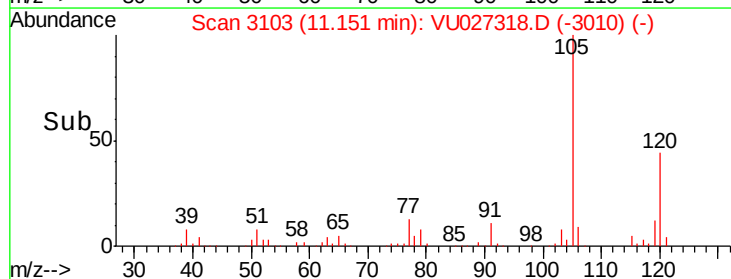
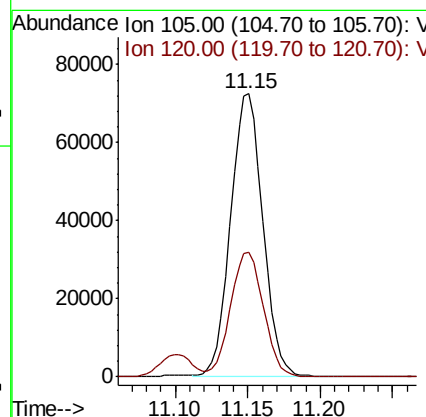
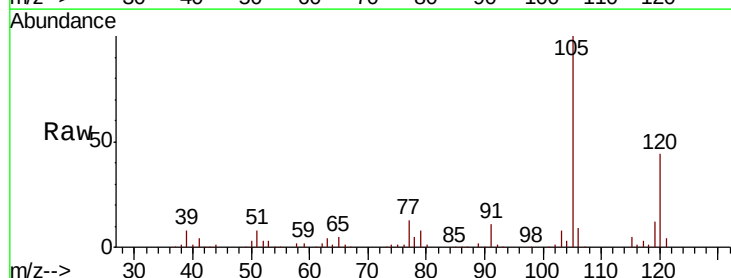
Manual Integrations
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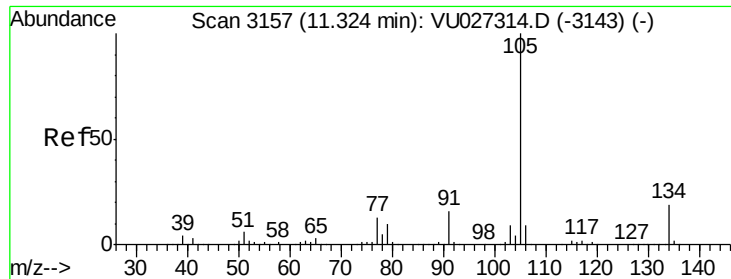
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.728 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	111413		
120	45.1	22.1	66.5	





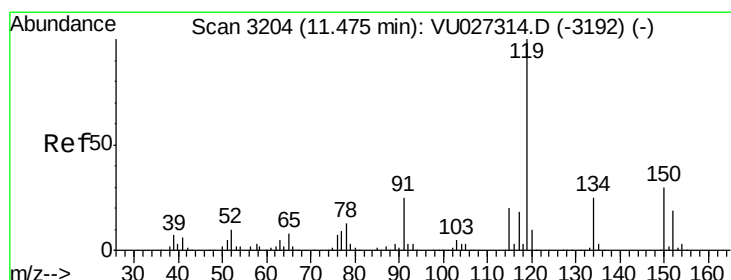
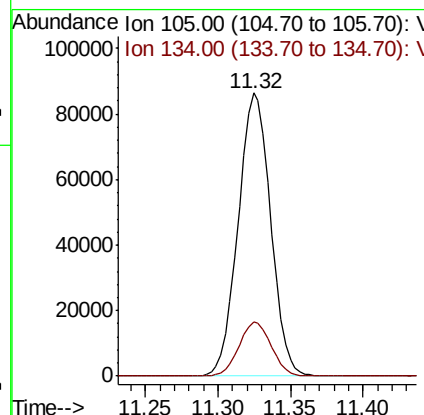
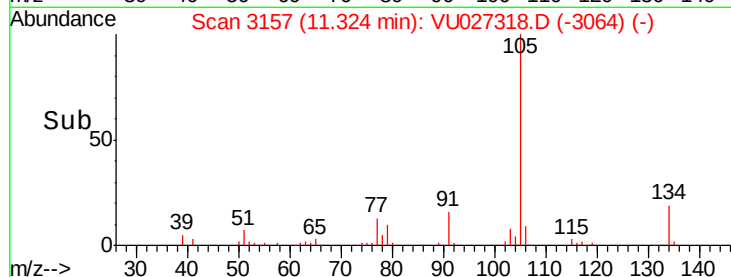
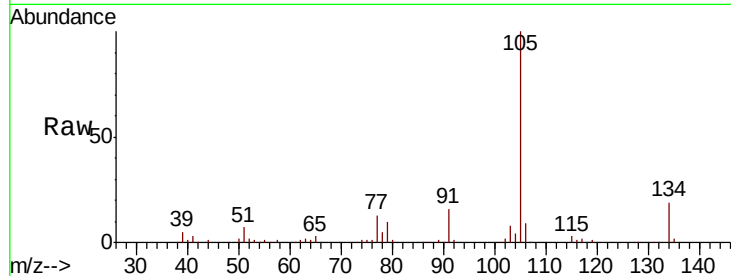
#85
 sec-Butylbenzene
 Concen: 19.893 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	133961		
134	18.8	9.6	28.6	

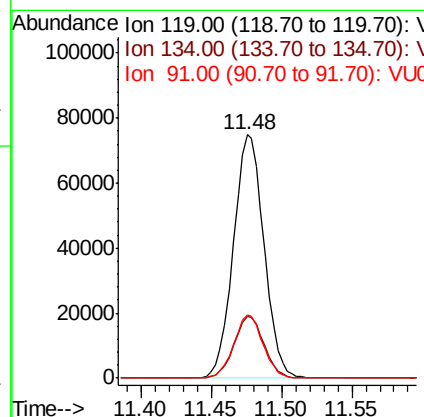
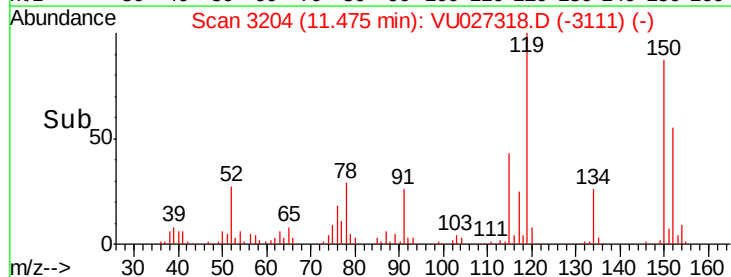
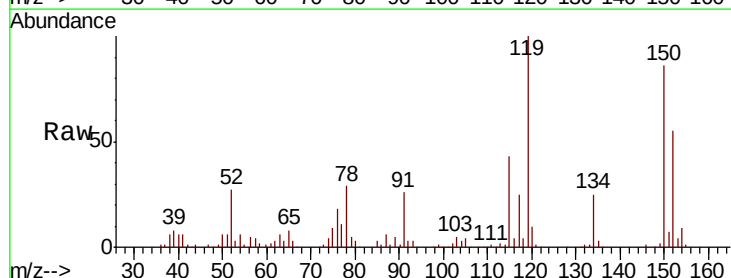
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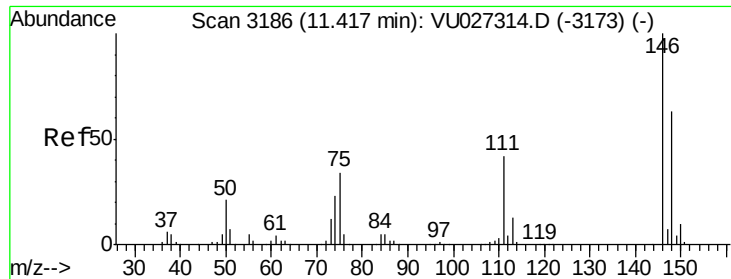
MMDadoda
 10/3/2018 11:41:43 AM



#86
 p-Isopropyltoluene
 Concen: 19.630 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	113183		
134	25.1	12.7	38.1	
91	25.1	12.2	36.4	





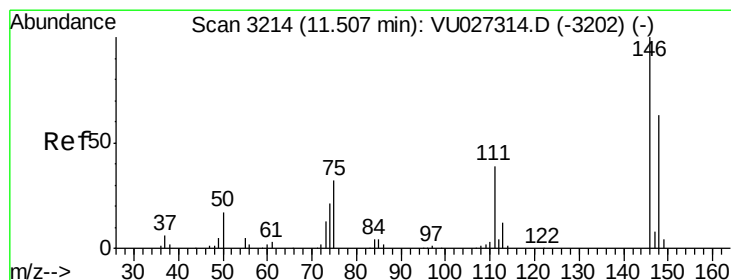
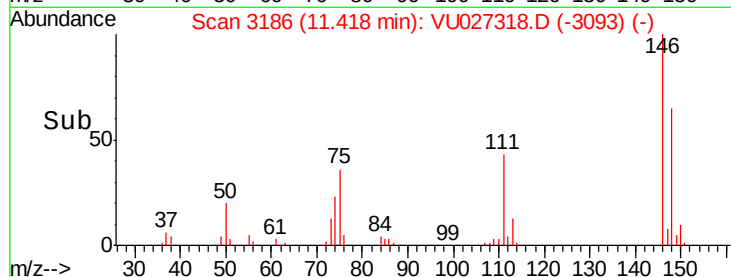
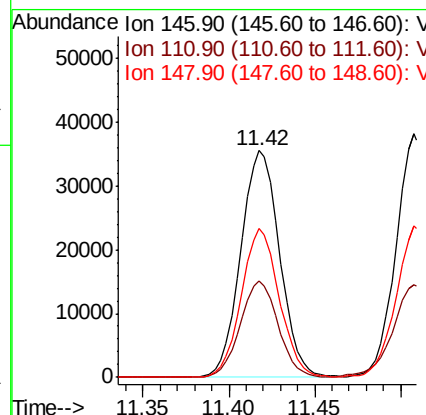
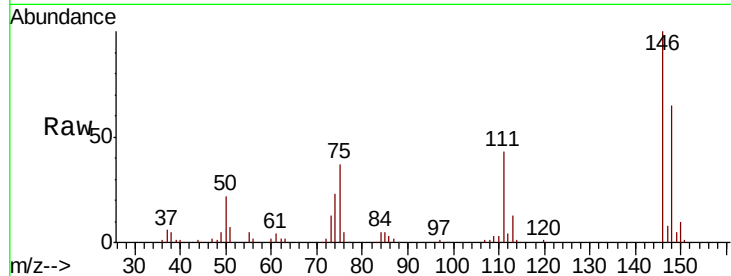
#87
 1,3-Dichlorobenzene
 Concen: 18.755 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	64.0	31.6	94.8

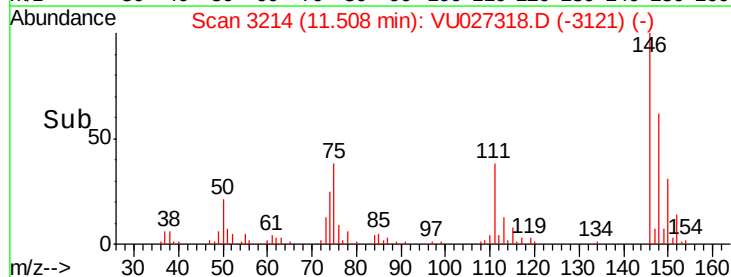
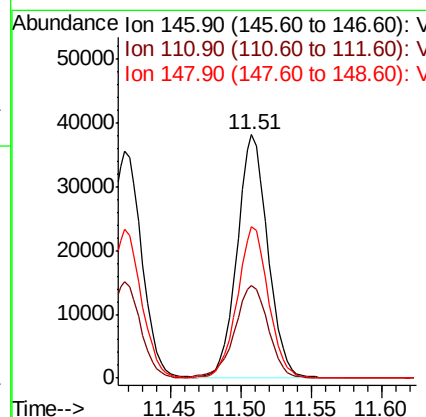
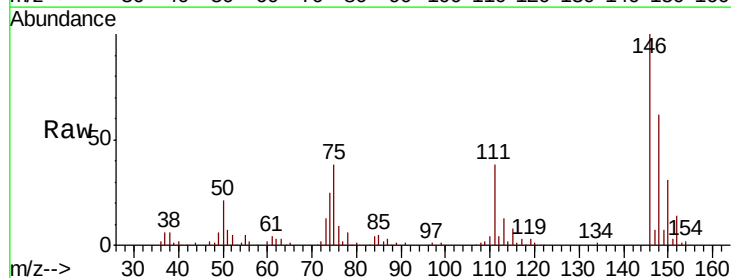
Manual Integrations
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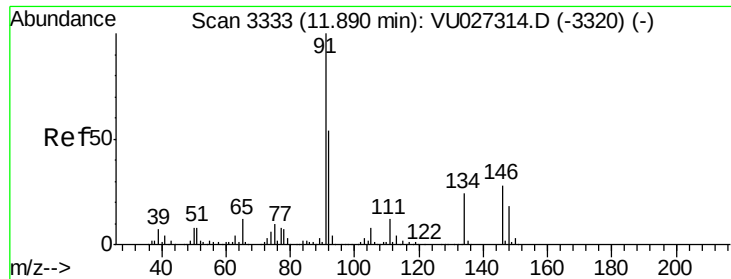
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 10/3/2018 11:41:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.057 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.4	61.2
148	63.1	31.9	95.5





#89

n-Butylbenzene

Concen: 19.041 ug/l

RT: 11.89 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Instrument :

MSVOA_U

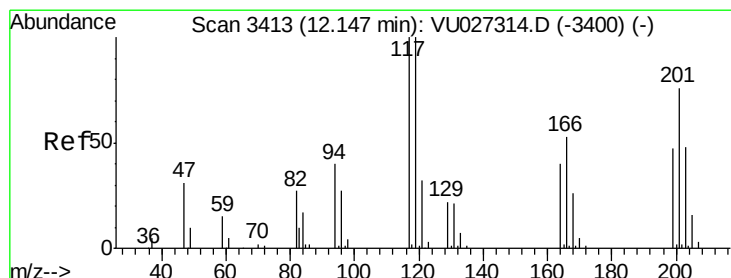
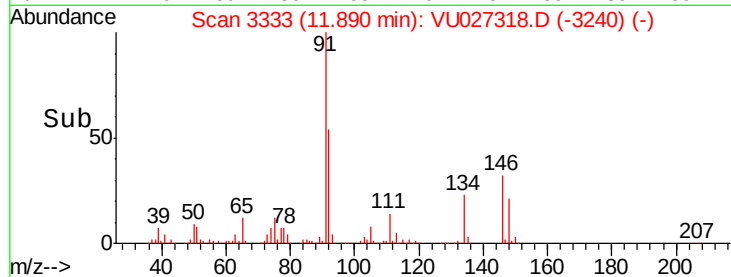
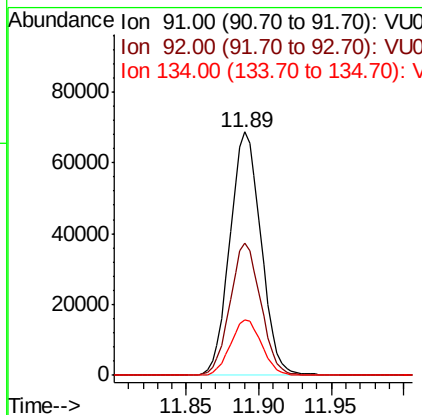
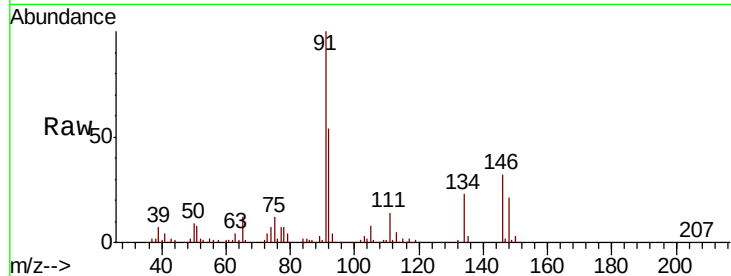
ClientSampleId :

VSTDIC020

Tot Ion:	91	Resp:	102406
Ion Ratio	Lower	Upper	
91	100		
92	53.5	27.0	81.0
134	22.8	11.7	35.1

Manual Integrations
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MMDadoda
10/3/2018 11:41:43 AM



#90

Hexachloroethane

Concen: 18.685 ug/l

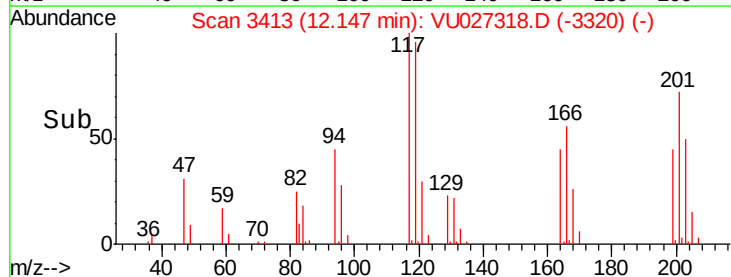
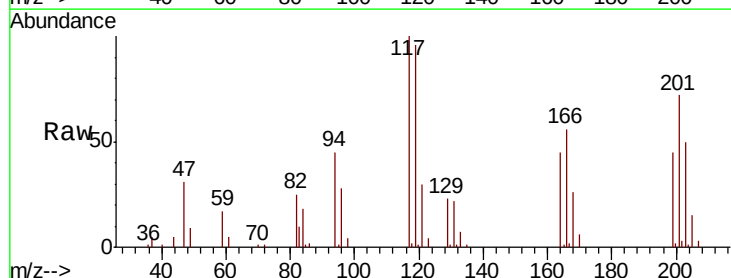
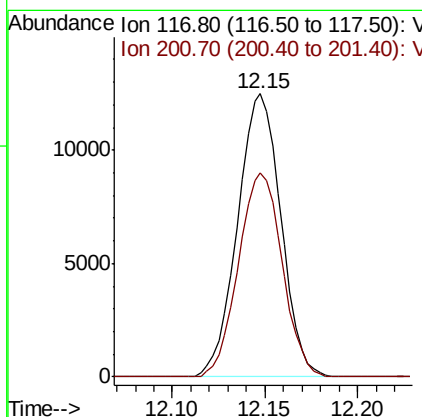
RT: 12.15 min Scan# 3413

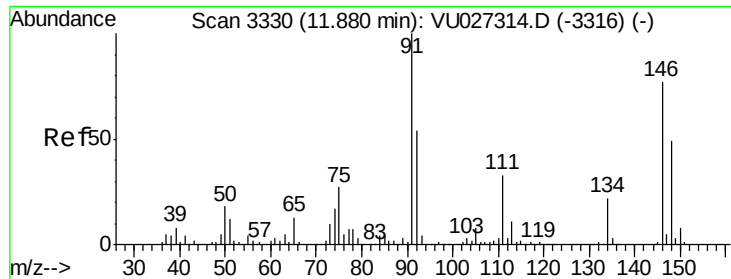
Delta R.T. 0.00 min

Lab File: VU027318.D

Acq: 01 Oct 2018 12:52

Tgt Ion:	117	Resp:	20308
Ion Ratio	Lower	Upper	
117	100		
201	72.8	37.9	113.6





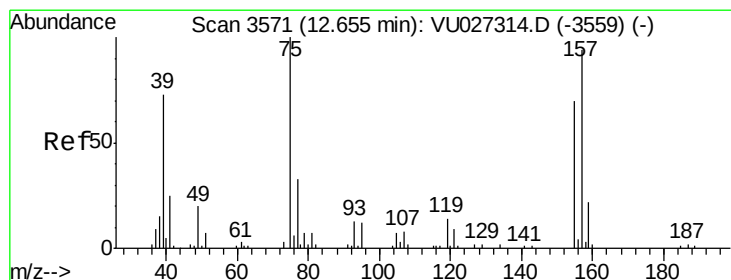
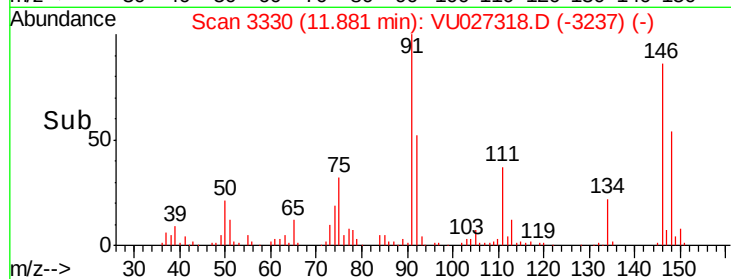
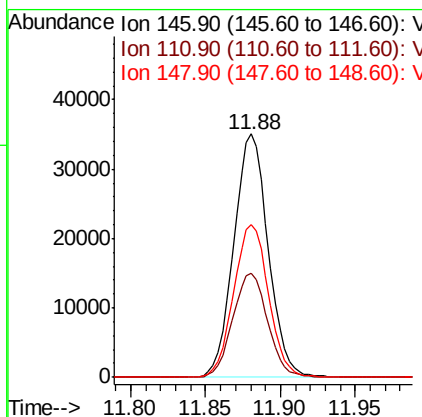
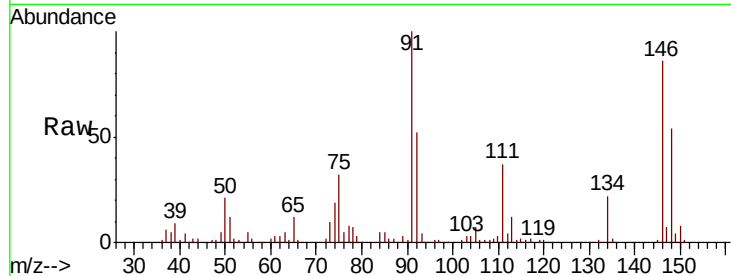
#91
 1,2-Dichlorobenzene
 Concen: 19.275 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.8	65.4
148	63.8	31.9	95.5

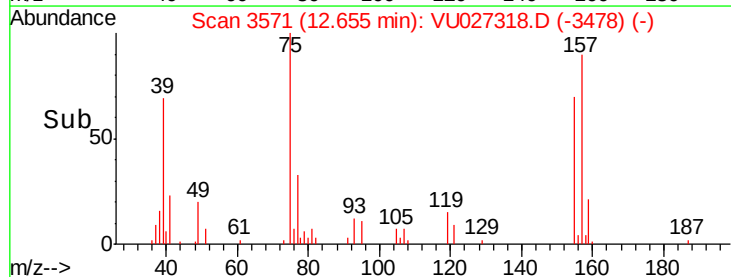
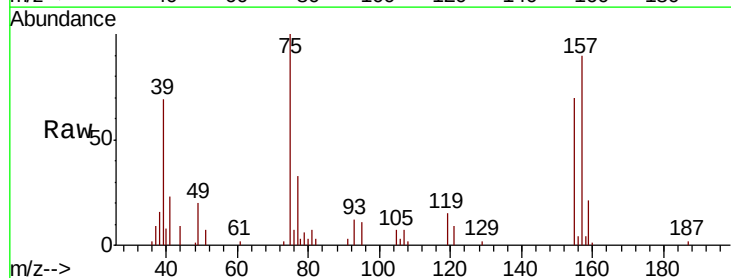
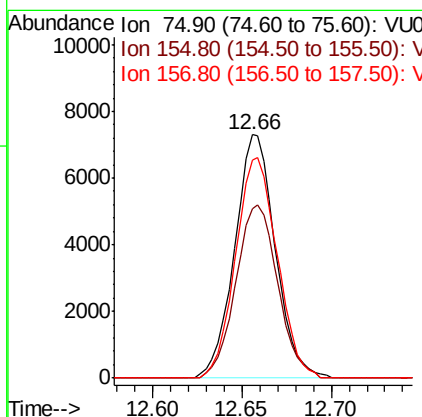
Manual Integrations
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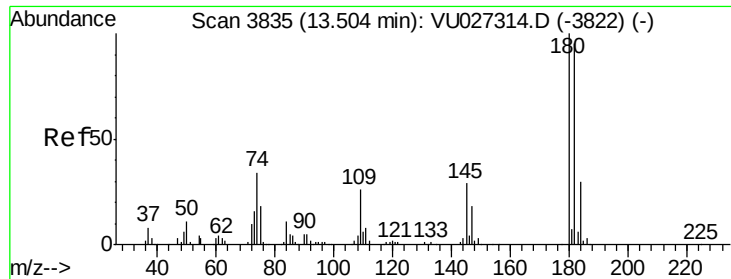
MMDadoda
 10/3/2018 11:41:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.645 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.5	35.9	107.8
157	92.7	46.9	140.6





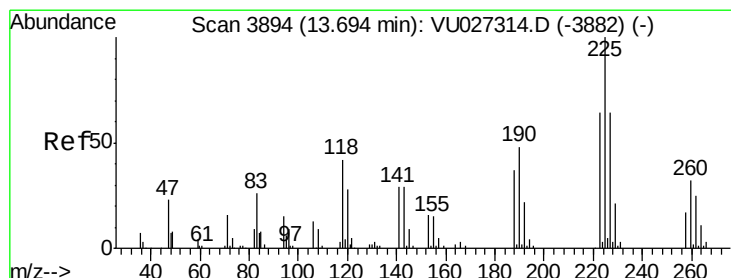
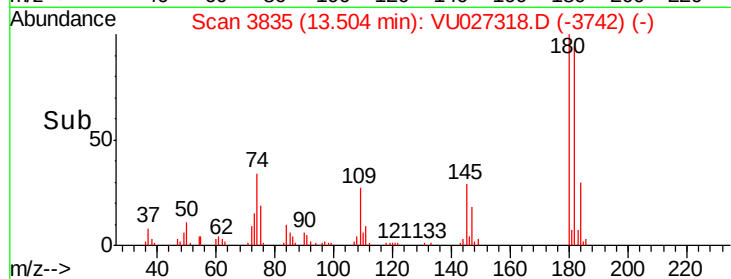
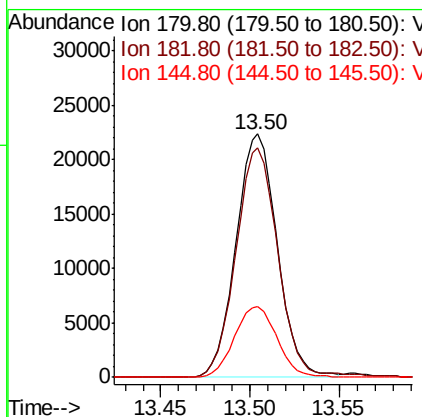
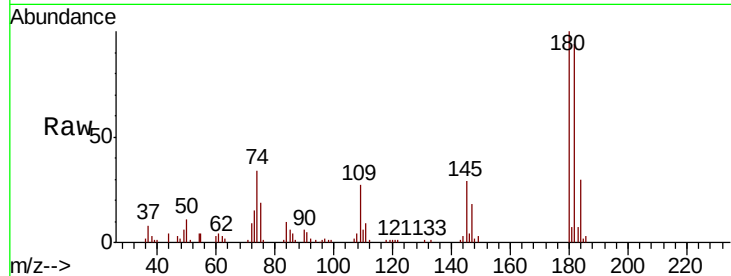
#93
 1,2,4-Trichlorobenzene
 Concen: 19.083 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.4	142.3
145	29.9	14.6	44.0

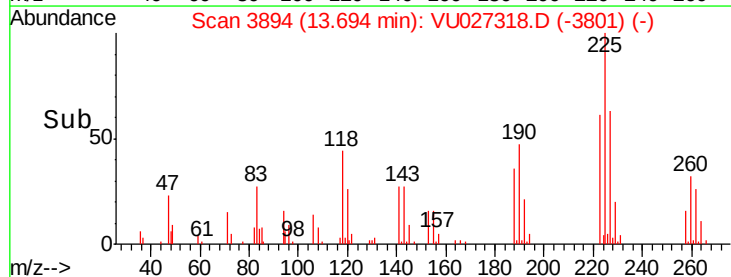
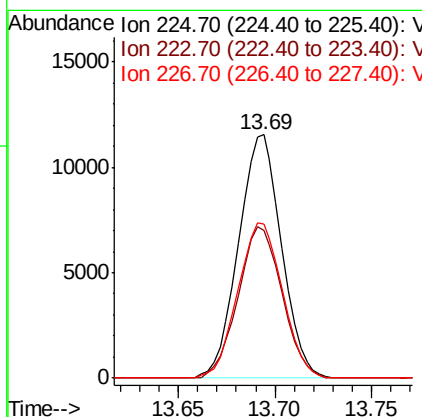
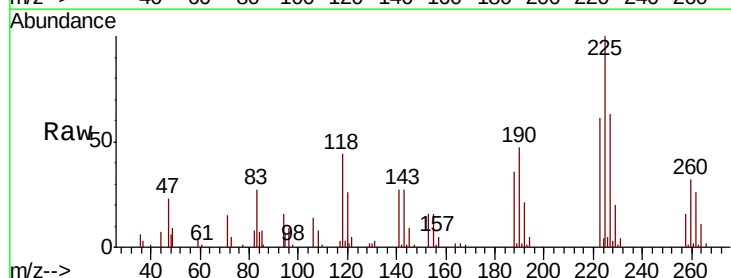
Manual Integrations
 APPROVED

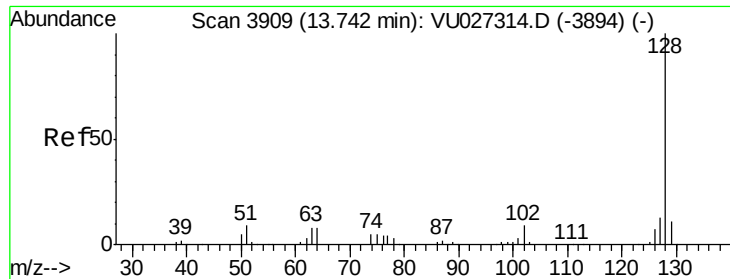
MMDadoda
 10/3/2018 11:41:43 AM



#94
 Hexachlorobutadiene
 Concen: 18.712 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027318.D
 Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.8	95.3
227	66.2	31.9	95.7





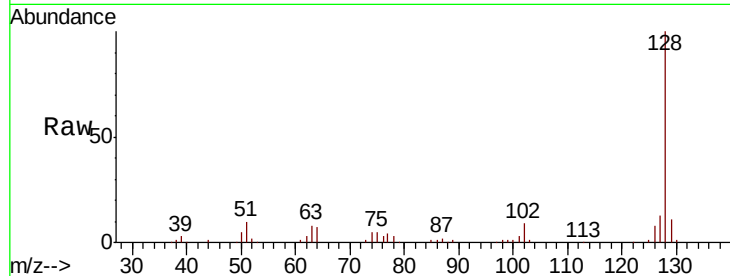
#95
Naphthalene
Concen: 19.447 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

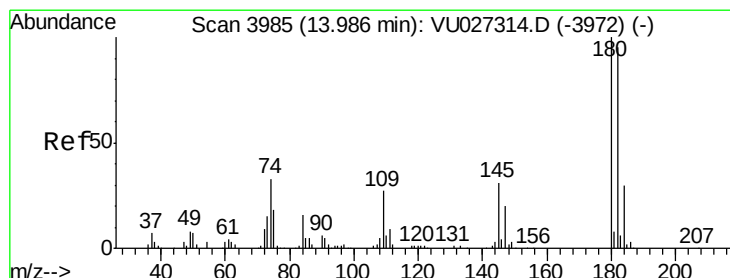
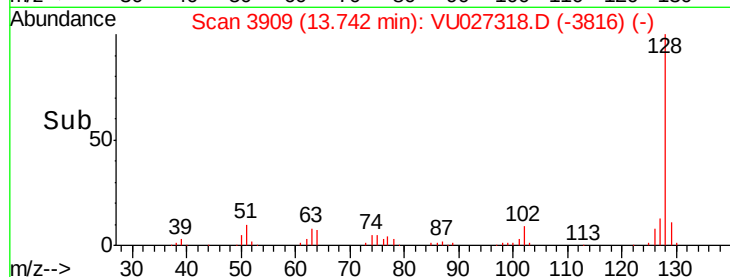
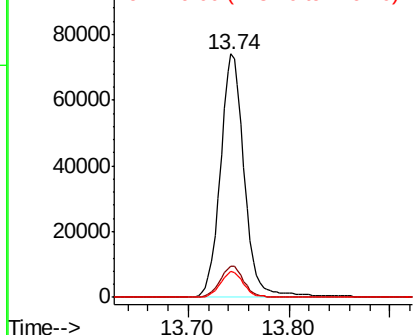
Tot Ion	Ratio	Resp	Lower	Upper
128	100	122718		
127	12.7		10.5	15.7
129	10.4		8.6	12.8

Manual Integrations
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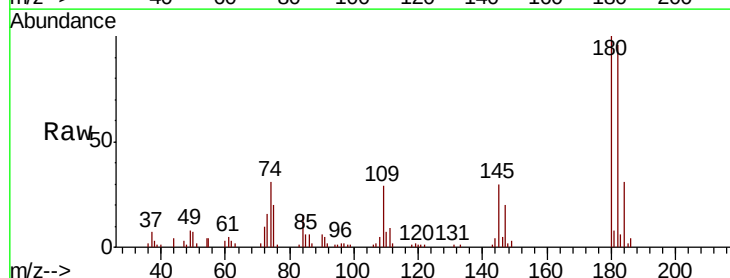


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.162 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027318.D
Acq: 01 Oct 2018 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	37575		
182	95.8		47.4	142.2
145	30.8		15.9	47.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

