

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100218\
 Data File : VU027337.D
 Acq On : 02 Oct 2018 10:18
 Operator : MD/SY
 Sample : VU1002WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 03 02:14:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	101513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	168423	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	158692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	74978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78141	46.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.20%	
35) Dibromofluoromethane	4.88	113	55047	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
50) Toluene-d8	7.57	98	206643	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
62) 4-Bromofluorobenzene	10.31	95	72315	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	28607	19.547 ug/l	96
3) Chloromethane	1.33	50	38001	19.179 ug/l	98
4) Vinyl Chloride	1.40	62	35048	18.817 ug/l	100
5) Bromomethane	1.62	94	14533	18.032 ug/l	100
6) Chloroethane	1.70	64	19862	17.746 ug/l	99
7) Trichlorofluoromethane	1.88	101	37451	19.817 ug/l	98
8) Diethyl Ether	2.10	74	16447	18.892 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.29	101	21526	19.613 ug/l	98
10) Methyl Iodide	2.41	142	14048	20.519 ug/l	98
11) Tert butyl alcohol	2.83	59	32528	91.126 ug/l	100
12) 1,1-Dichloroethene	2.28	96	19747	18.416 ug/l	96
13) Acrolein	2.19	56	22811	76.157 ug/l	99
14) Allyl chloride	2.59	41	46590	18.297 ug/l	98
15) Acrylonitrile	2.94	53	86020	92.588 ug/l	100
16) Acetone	2.32	43	90103	89.978 ug/l	100
17) Carbon Disulfide	2.48	76	68692	17.762 ug/l	100
18) Methyl Acetate	2.62	43	43253	18.934 ug/l	100
19) Methyl tert-butyl Ether	3.00	73	79513	18.507 ug/l	100
20) Methylene Chloride	2.70	84	25726	18.443 ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	21839	18.141 ug/l	97
22) Diisopropyl ether	3.57	45	99529	19.231 ug/l	96
23) Vinyl Acetate	3.52	43	424302	93.878 ug/l	98
24) 1,1-Dichloroethane	3.45	63	50887	19.126 ug/l	99
25) 2-Butanone	4.26	43	127340	93.251 ug/l	100
26) 2,2-Dichloropropane	4.22	77	40892	18.705 ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	25239	18.333 ug/l	97
28) Bromochloromethane	4.55	49	25001	19.477 ug/l	97
29) Tetrahydrofuran	4.64	42	79447	92.317 ug/l	100
30) Chloroform	4.67	83	45792	19.372 ug/l	99
31) Cyclohexane	5.00	56	49503	18.057 ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	37659	18.916 ug/l	96
36) 1,1-Dichloropropene	5.14	75	34304	18.759 ug/l	100
37) Ethyl Acetate	4.38	43	44768	18.942 ug/l	99
38) Carbon Tetrachloride	5.13	117	32349	19.583 ug/l	97

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Quant Time: Oct 03 02:14:00 2018
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 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	38373	17.951	ug/l	99
40) Benzene	5.39	78	103515	19.433	ug/l	99
41) Methacrylonitrile	4.54	41	25329	18.961	ug/l	98
42) 1,2-Dichloroethane	5.40	62	39521	19.988	ug/l	98
43) Isopropyl Acetate	5.55	43	70589	19.231	ug/l	99
44) Trichloroethene	6.19	130	22281	18.759	ug/l	97
45) 1,2-Dichloropropane	6.43	63	30597	19.915	ug/l	98
46) Dibromomethane	6.56	93	17215	19.839	ug/l	98
47) Bromodichloromethane	6.76	83	34581	19.206	ug/l	99
48) Methyl methacrylate	6.62	41	33995	18.624	ug/l	98
49) 1,4-Dioxane	6.61	88	12955	412.493	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	234282	98.223	ug/l	98
52) Toluene	7.64	92	60835	19.295	ug/l	96
53) t-1,3-Dichloropropene	7.88	75	38890	18.421	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	43848	19.320	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	24127	19.301	ug/l	96
56) Ethyl methacrylate	8.02	69	37379	17.177	ug/l	96
57) 1,3-Dichloropropane	8.24	76	46986	19.362	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	106532	86.599	ug/l	99
59) 2-Hexanone	8.36	43	176894	95.605	ug/l	98
60) Dibromochloromethane	8.48	129	24884	19.848	ug/l	96
61) 1,2-Dibromoethane	8.59	107	25442	19.142	ug/l	99
64) Tetrachloroethene	8.23	164	19422	19.660	ug/l	99
65) Chlorobenzene	9.12	112	61656	18.458	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	22292	19.331	ug/l	100
67) Ethyl Benzene	9.25	91	108317	18.302	ug/l	99
68) m/p-Xylenes	9.38	106	80397	37.139	ug/l	99
69) o-Xylene	9.78	106	38806	18.864	ug/l	100
70) Styrene	9.79	104	62715	17.858	ug/l	98
71) Bromoform	9.96	173	17048	18.375	ug/l #	97
73) Isopropylbenzene	10.17	105	105284	19.334	ug/l	100
74) N-amyl acetate	10.02	43	57685	18.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	41801	19.549	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	37403m	19.244	ug/l	
77) Bromobenzene	10.45	156	24284	19.188	ug/l	97
78) n-propylbenzene	10.59	91	124451	19.019	ug/l	99
79) 2-Chlorotoluene	10.66	91	75582	19.130	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	87256	19.681	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	10724m	14.440	ug/l	
82) 4-Chlorotoluene	10.77	91	86140	19.213	ug/l	98
83) tert-Butylbenzene	11.10	119	82197	19.178	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	88428	19.526	ug/l	100
85) sec-Butylbenzene	11.32	105	102797	19.036	ug/l	99
86) p-Isopropyltoluene	11.48	119	88400	19.119	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	43611	18.198	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	44462	18.156	ug/l	97
89) n-Butylbenzene	11.89	91	77547	17.138	ug/l	98
90) Hexachloroethane	12.15	117	16992	19.496	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	43413	18.611	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	8951	18.888	ug/l	97

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Quant Time: Oct 03 02:14:00 2018
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	26065	17.269	ug/l	98
94) Hexachlorobutadiene	13.69	225	13967	18.315	ug/l	97
95) Naphthalene	13.75	128	86046	16.335	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	27177	17.283	ug/l	95

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

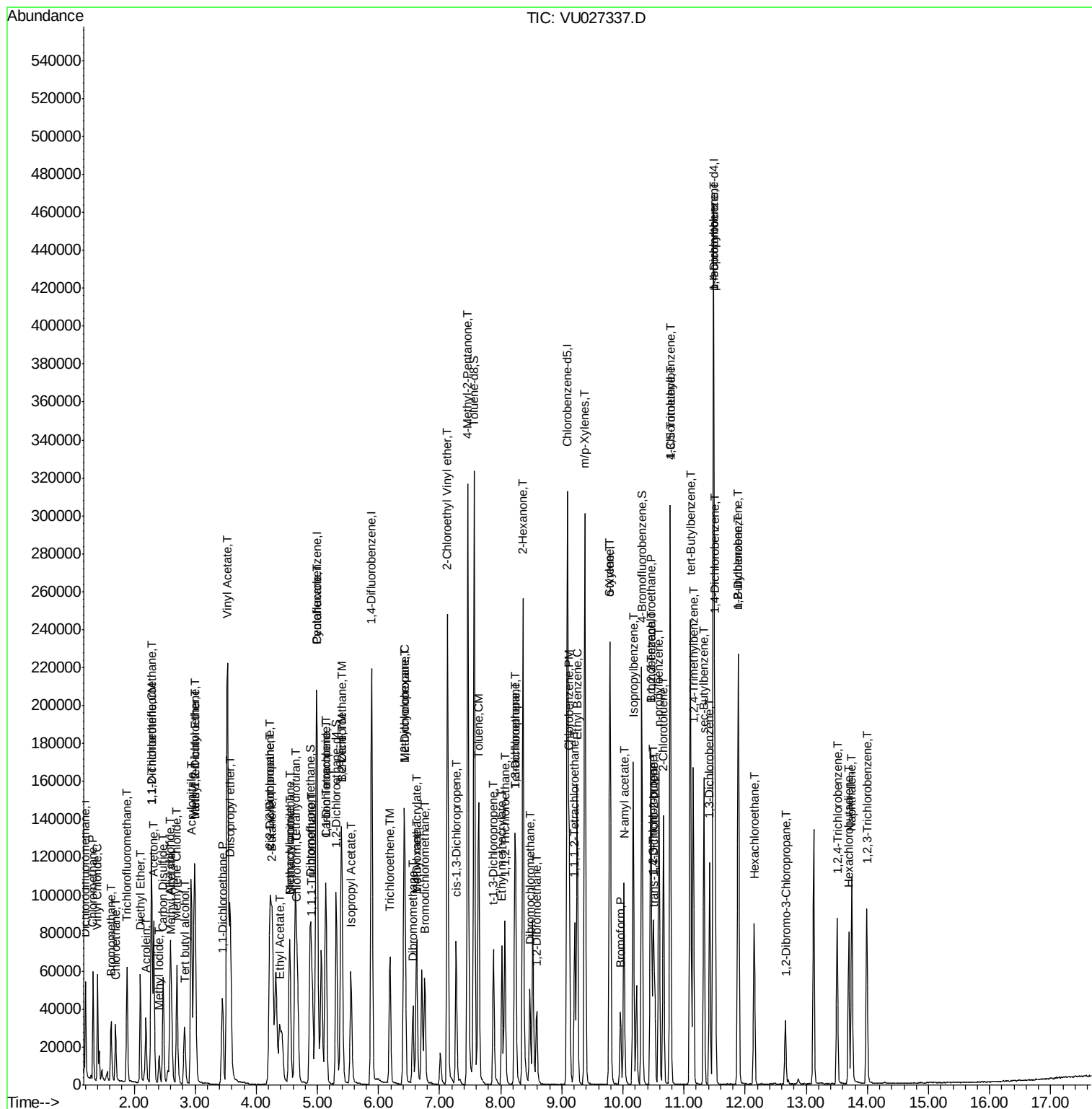
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Data File : VU027337.D
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Operator : MD/SY
Sample : VU1002WBS01
Misc : 5.0mL/MSVOA U/WATER
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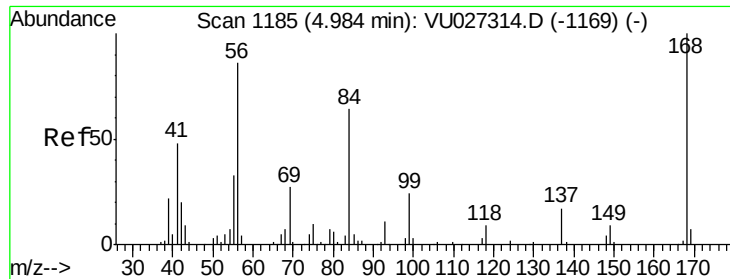
Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

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10/3/2018 6:14:44 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion:168 Resp: 101513

Ion Ratio Lower Upper

168 100

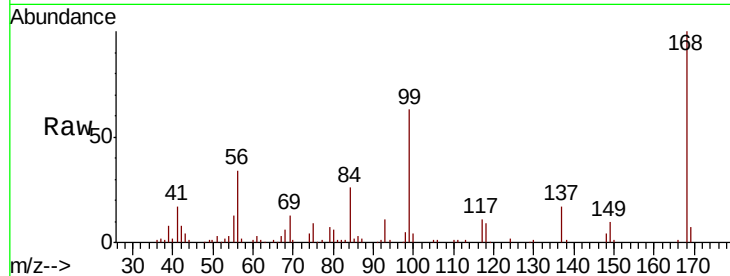
99 61.9 50.8 76.2

Manual Integrations

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10/3/2018 6:14:44 PM



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

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

4.98

50000

40000

30000

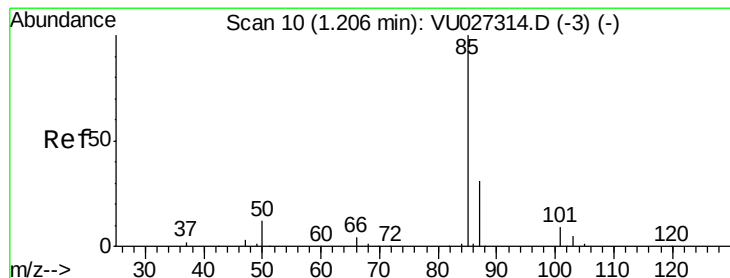
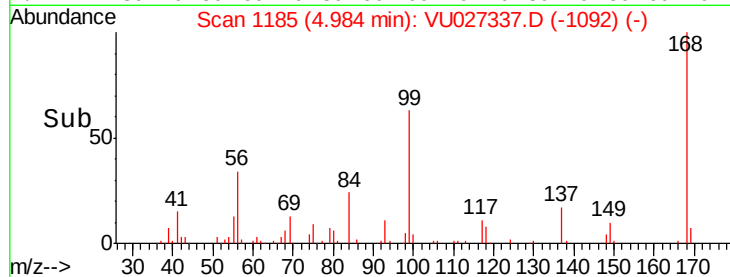
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.547 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027337.D

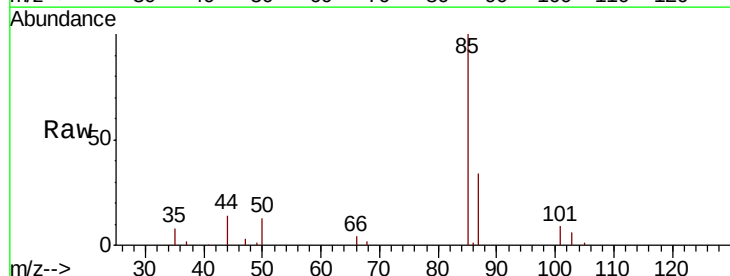
Acq: 02 Oct 2018 10:18

Tgt Ion: 85 Resp: 28607

Ion Ratio Lower Upper

85 100

87 33.9 15.7 47.1



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

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

1.21

30000

25000

20000

15000

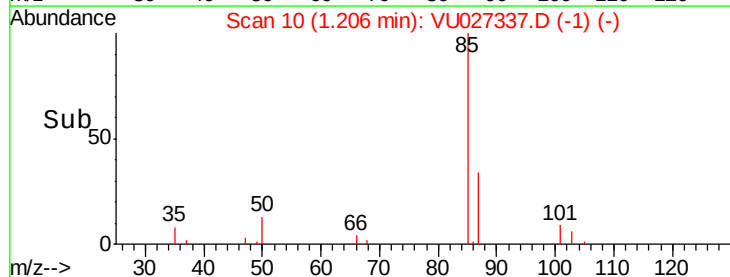
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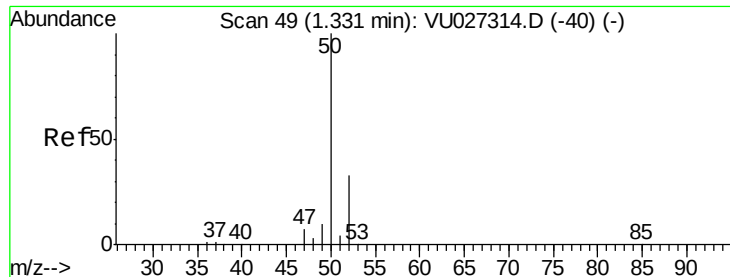
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.179 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 50 Resp: 38001

Ion Ratio Lower Upper

50 100

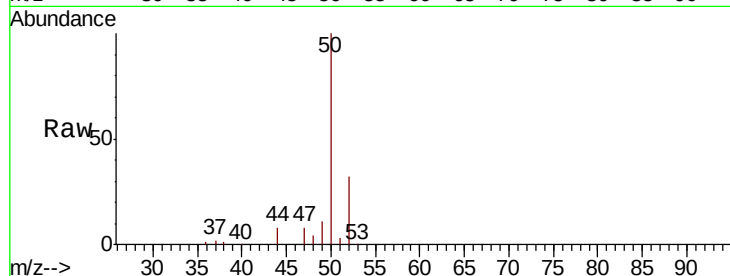
52 31.8 26.5 39.7

Manual Integrations

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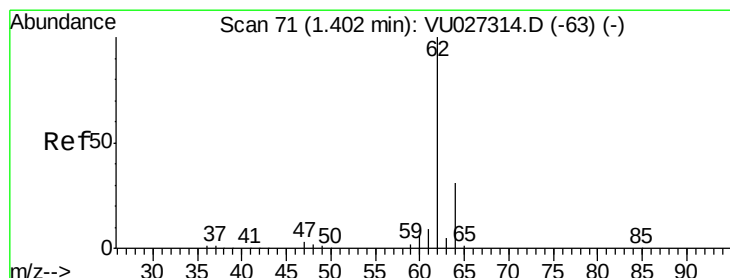
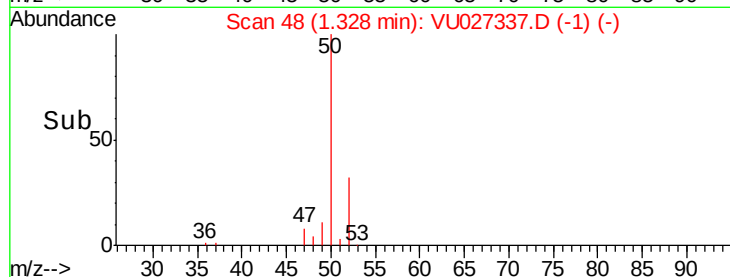
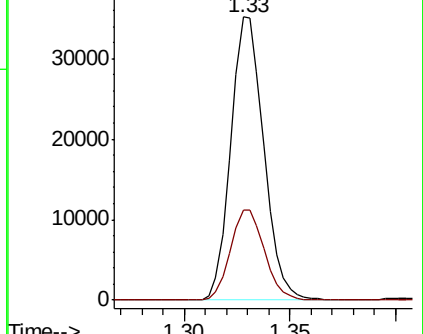
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.817 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027337.D

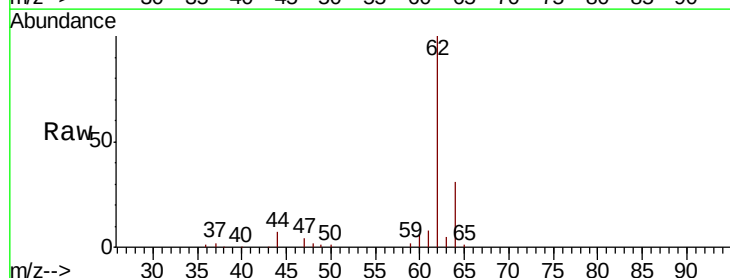
Acq: 02 Oct 2018 10:18

Tgt Ion: 62 Resp: 35048

Ion Ratio Lower Upper

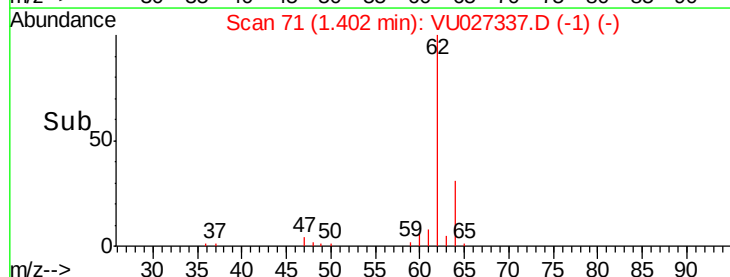
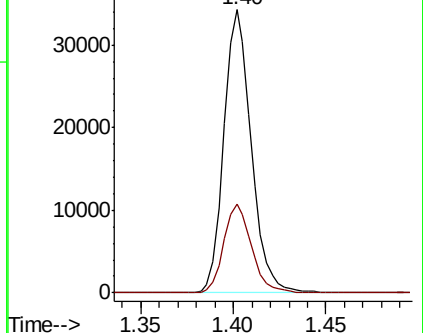
62 100

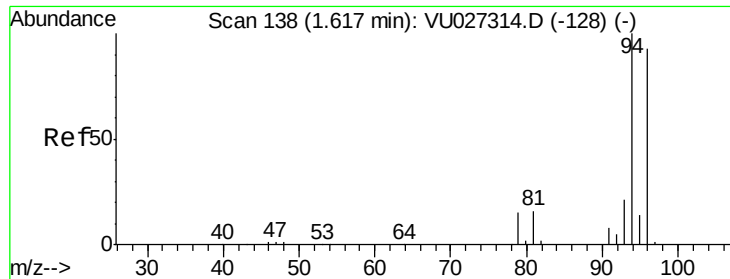
64 31.2 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 18.032 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 94 Resp: 14533

Ion Ratio Lower Upper

94 100

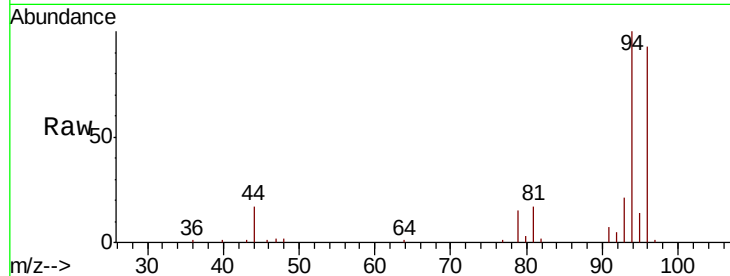
96 93.2 74.6 111.8

Manual Integrations

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10/3/2018 6:14:44 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

12000

10000

8000

6000

4000

2000

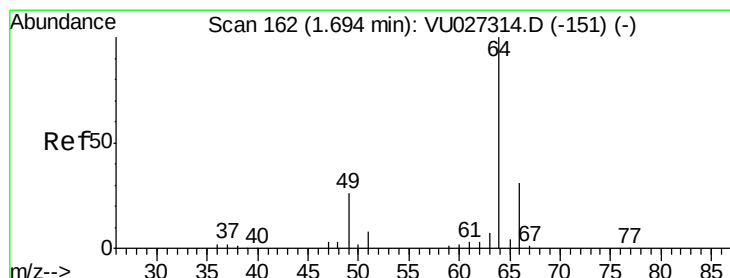
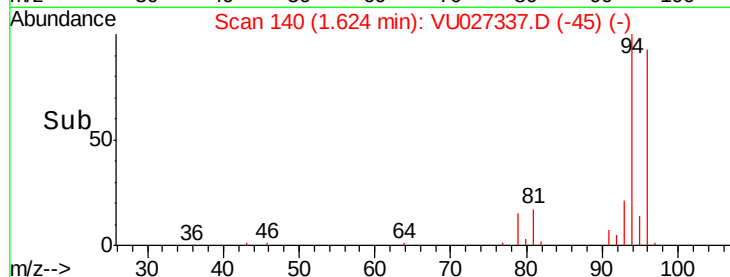
0

1.60

1.62

1.65

Time-->



#6

Chloroethane

Concen: 17.746 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027337.D

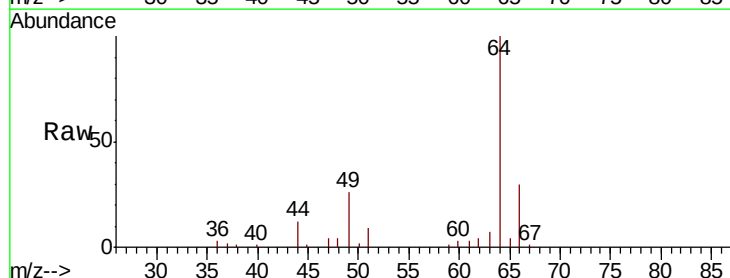
Acq: 02 Oct 2018 10:18

Tgt Ion: 64 Resp: 19862

Ion Ratio Lower Upper

64 100

66 30.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

15000

10000

5000

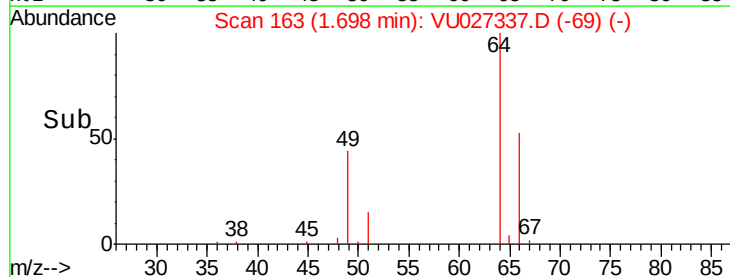
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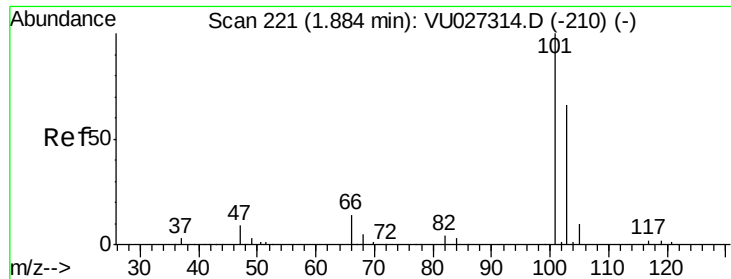
1.65

1.70

1.75

Time-->





#7

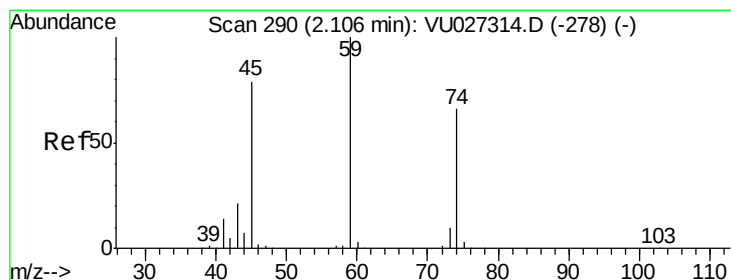
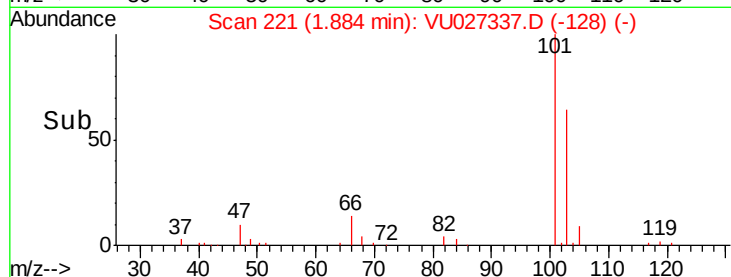
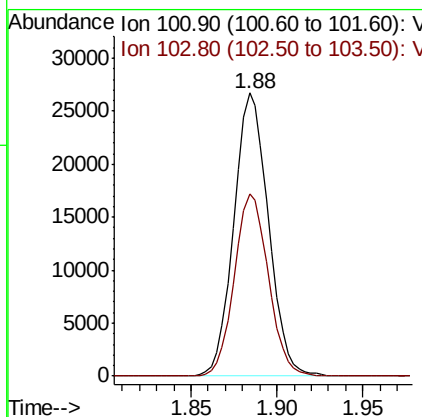
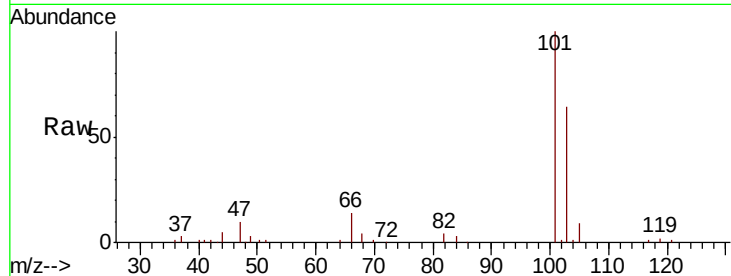
Trichlorofluoromethane
 Concen: 19.817 ug/l
 RT: 1.88 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
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Tot Ion	101	Resp	37451
Ion Ratio	Lower	Upper	
101	100		
103	64.4	52.6	78.8

Manual Integrations
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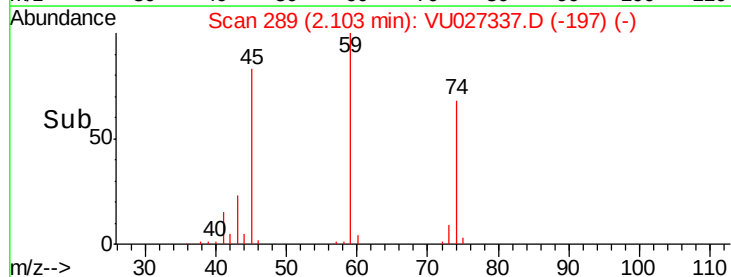
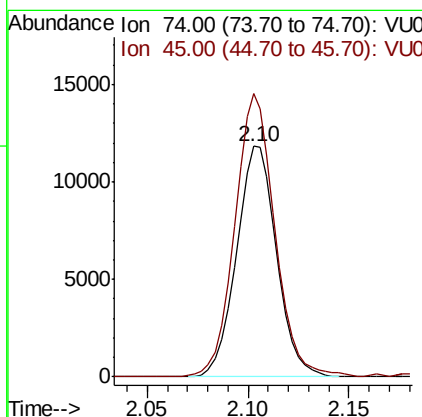
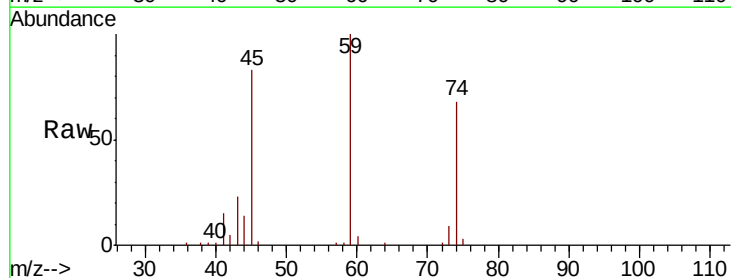
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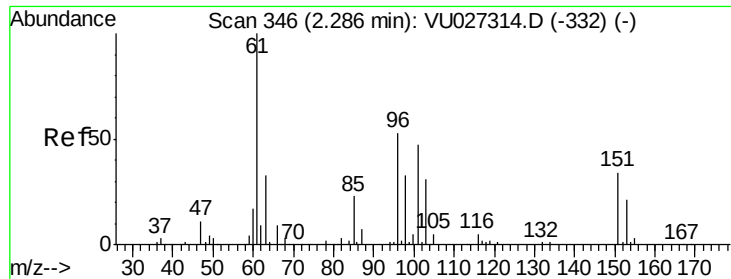


#8

Diethyl Ether
 Concen: 18.892 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	74	Resp	16447
Ion Ratio	Lower	Upper	
74	100		
45	122.8	60.4	181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.613 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

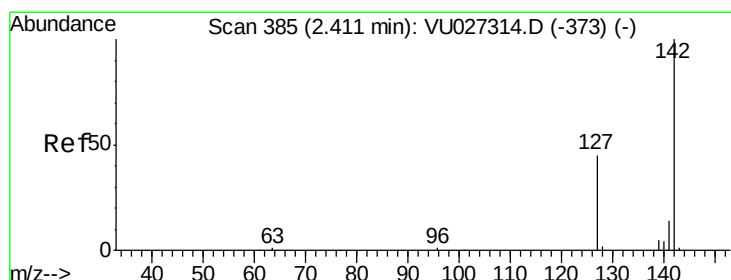
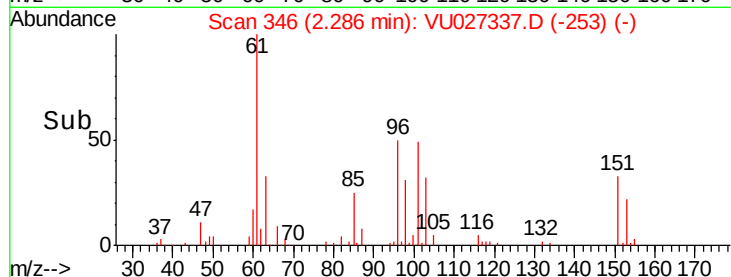
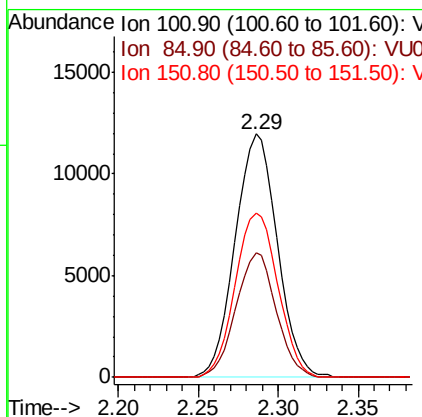
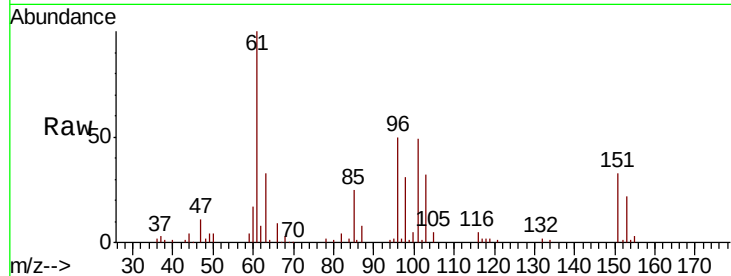
ClientSampleId :

VU1002WBS01

Tot Ion:	101	Resp:	21526
Ion Ratio	Lower	Upper	
101	100		
85	48.5	37.5	56.3
151	68.2	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.519 ug/l

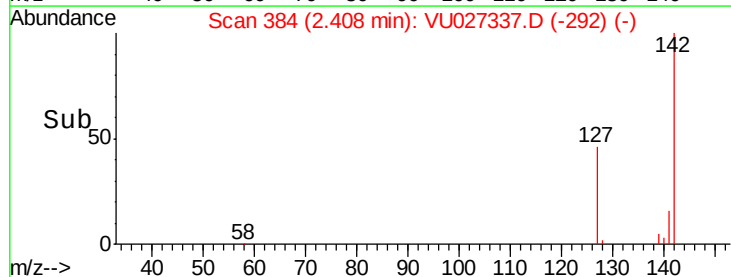
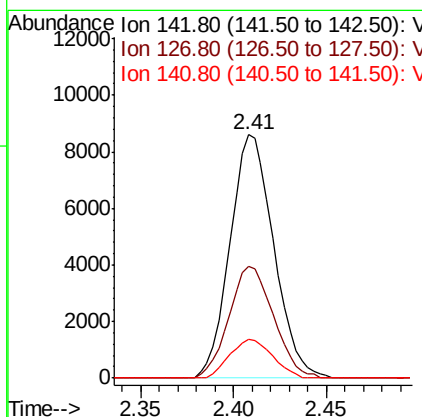
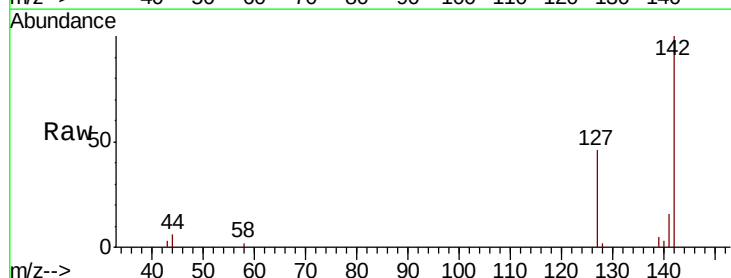
RT: 2.41 min Scan# 384

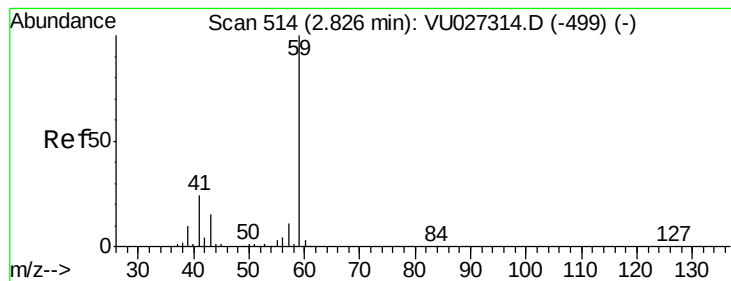
Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion:	142	Resp:	14048
Ion Ratio	Lower	Upper	
142	100		
127	46.8	36.3	54.5
141	15.5	11.6	17.4





#11

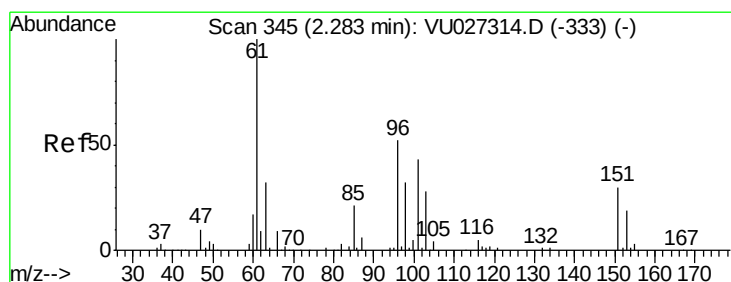
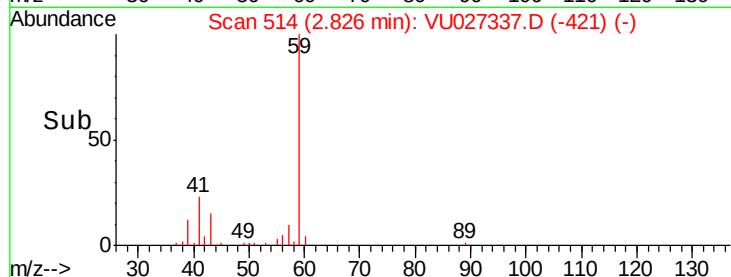
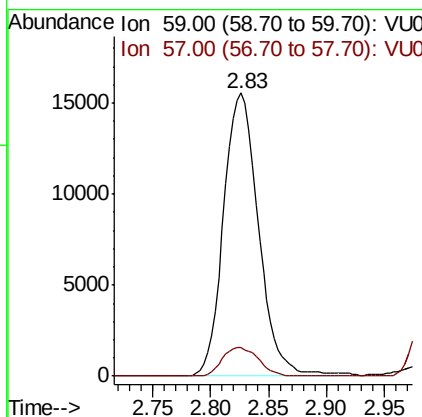
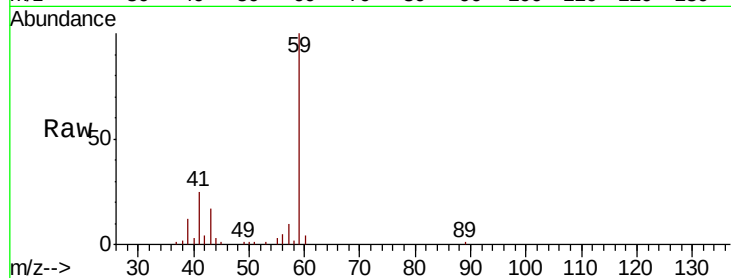
Tert butyl alcohol
 Concen: 91.126 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

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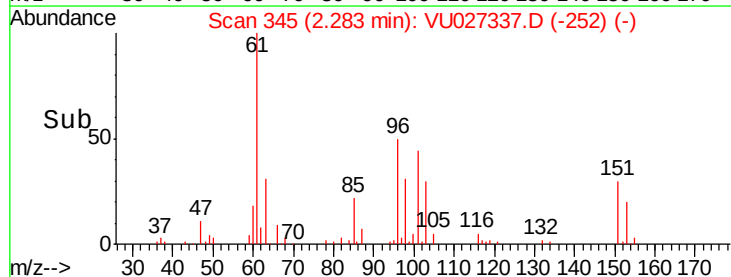
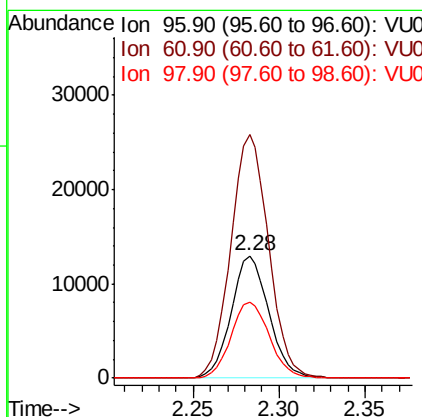
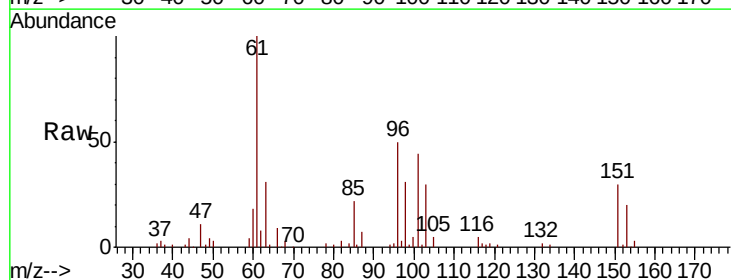
MMDadoda
 10/3/2018 6:14:44 PM

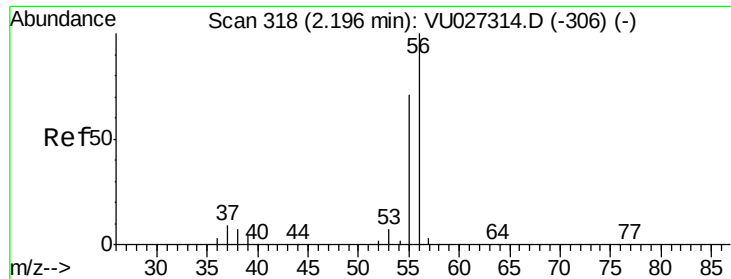


#12

1,1-Dichloroethene
 Concen: 18.416 ug/l
 RT: 2.28 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.2	153.0	229.6
98	62.2	49.3	73.9





#13

Acrolein

Concen: 76.157 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 56 Resp: 22811

Ion Ratio Lower Upper

56 100

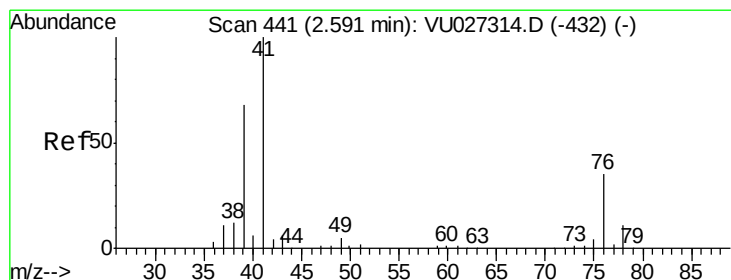
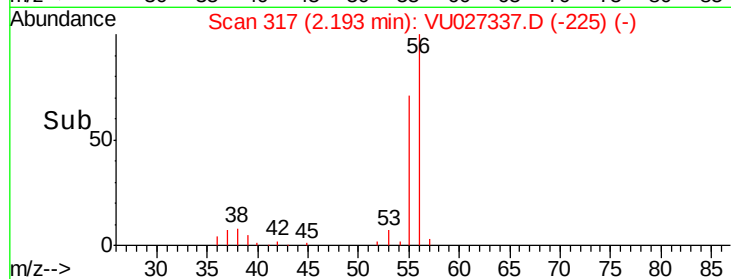
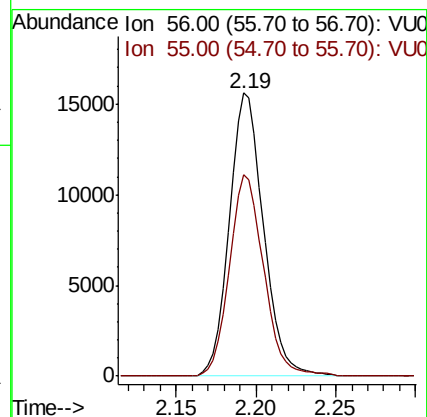
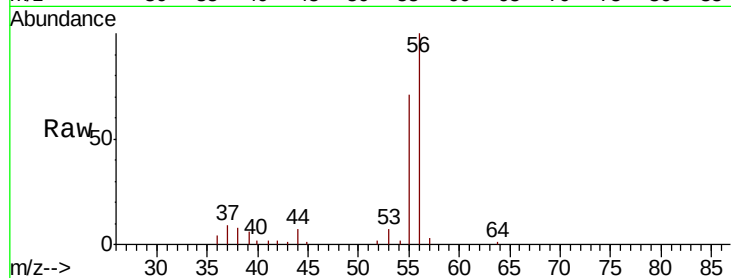
55 71.4 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.297 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

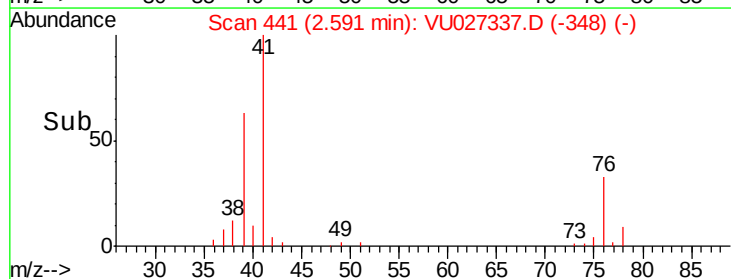
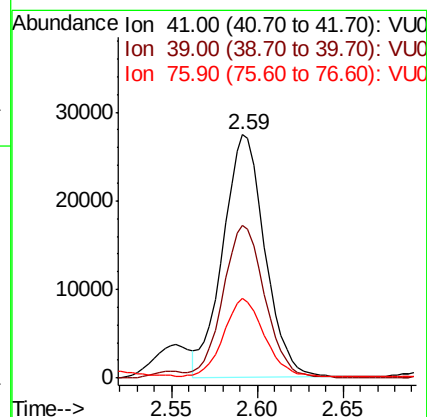
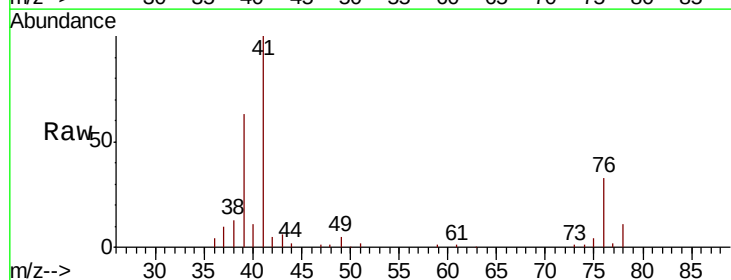
Tgt Ion: 41 Resp: 46590

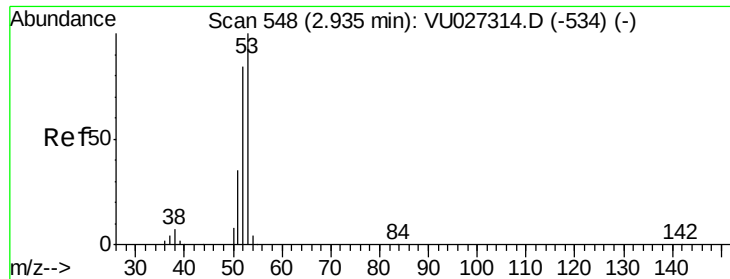
Ion Ratio Lower Upper

41 100

39 63.4 51.8 77.8

76 31.4 25.9 38.9





#15

Acrylonitrile

Concen: 92.588 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

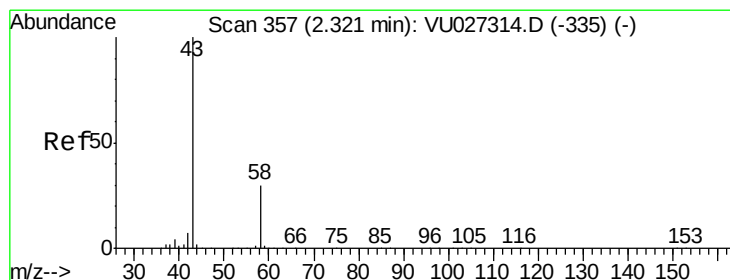
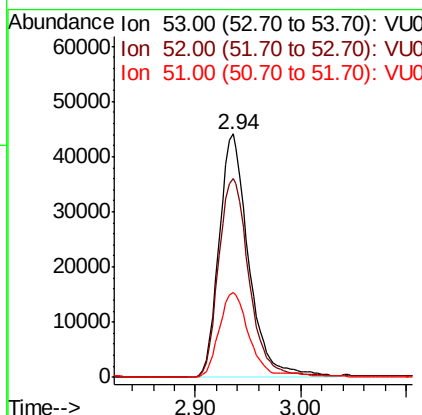
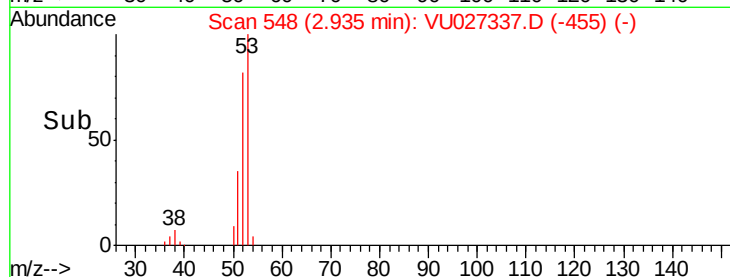
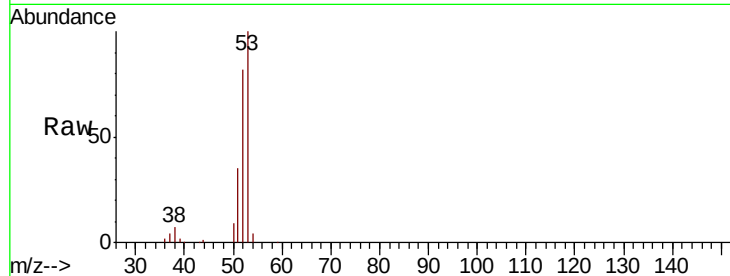
ClientSampleId :

VU1002WBS01

Tot Ion:	53	Resp:	86020
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.5	99.7
51	34.4	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 89.978 ug/l

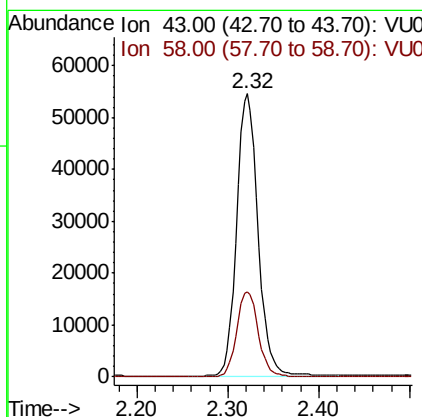
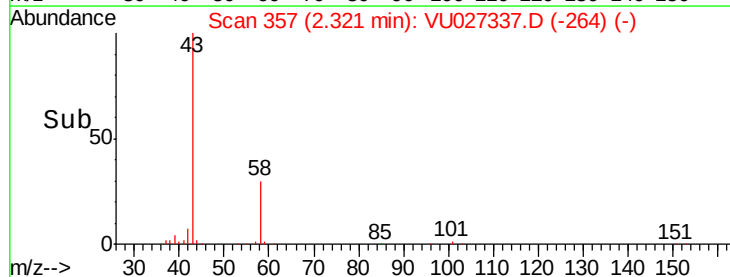
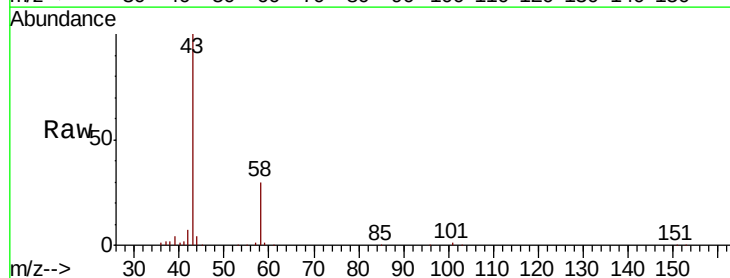
RT: 2.32 min Scan# 357

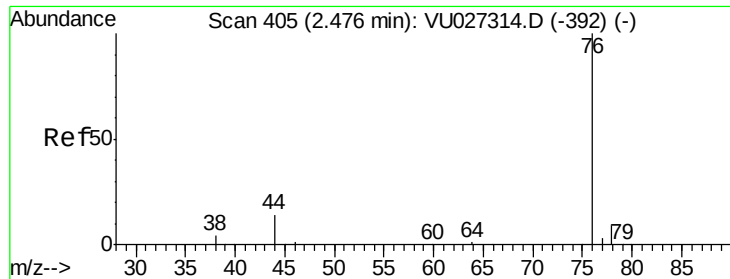
Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion:	43	Resp:	90103
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.2	36.4





#17

Carbon Disulfide

Concen: 17.762 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 76 Resp: 68692

Ion Ratio Lower Upper

76 100

78 9.0

7.3

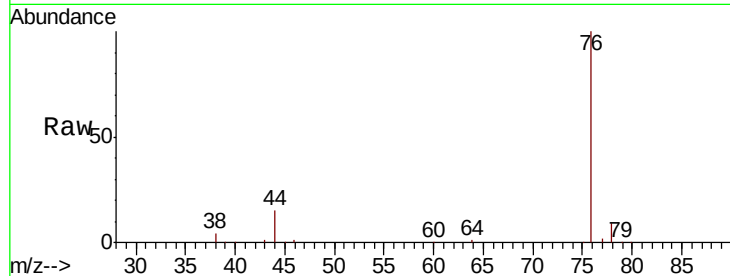
10.9

Manual Integrations

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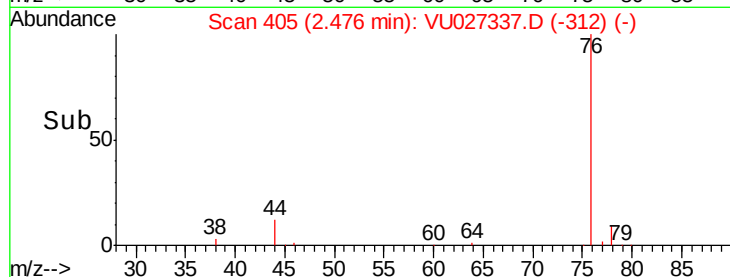


Abundance Ion 75.90 (75.60 to 76.60): VU027337.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027337.D (-312) (-)

2.48

Time-->



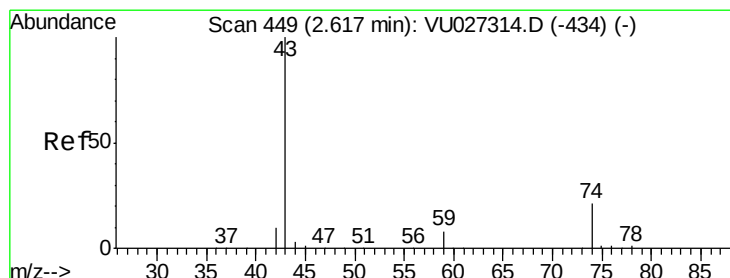
Abundance

Ion 75.90 (75.60 to 76.60): VU027337.D (-312) (-)

Ion 77.90 (77.60 to 78.60): VU027337.D (-312) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 18.934 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion: 43 Resp: 43253

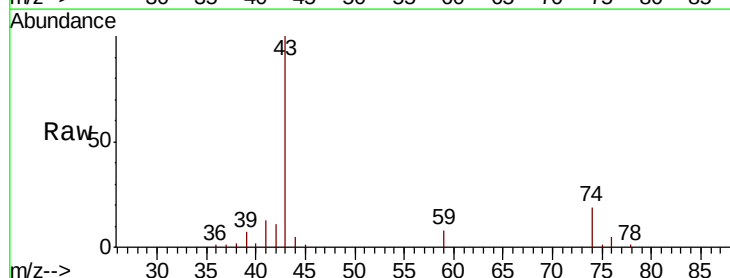
Ion Ratio Lower Upper

43 100

74 20.5

16.5

24.7

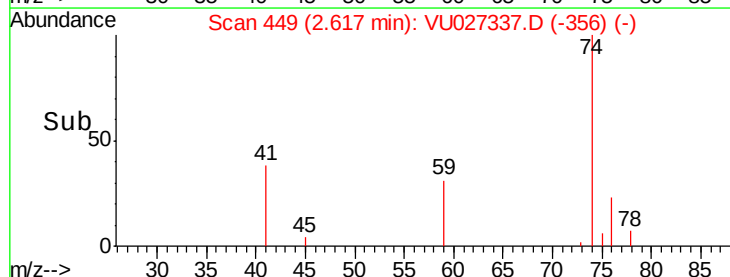


Abundance Ion 43.00 (42.70 to 43.70): VU027337.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027337.D (-356) (-)

2.62

Time-->



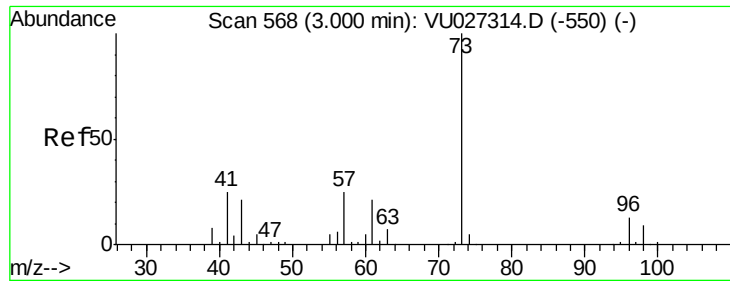
Abundance

Ion 43.00 (42.70 to 43.70): VU027337.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027337.D (-356) (-)

2.62

Time-->



#19

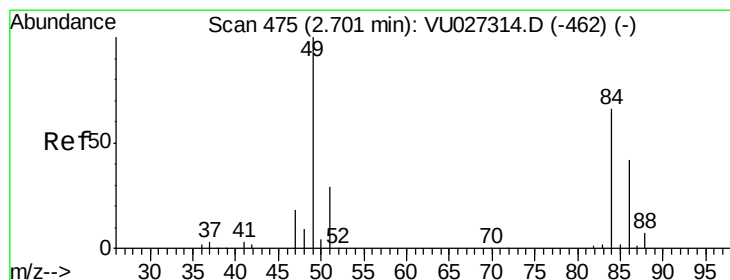
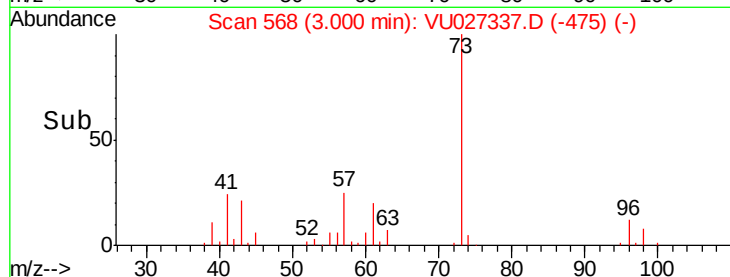
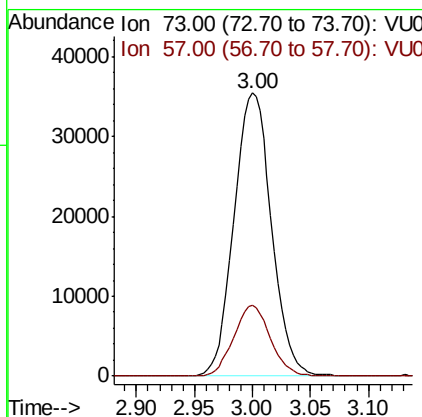
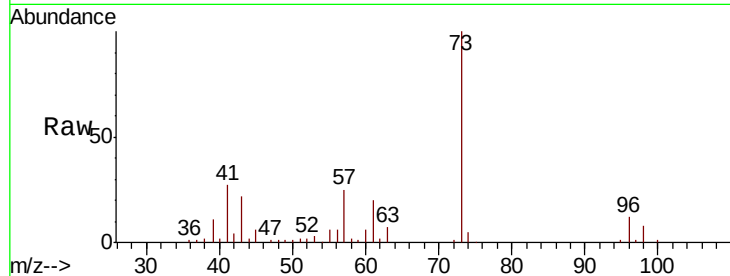
Methyl tert-butyl Ether
 Concen: 18.507 ug/l
 RT: 3.00 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion: 73 Resp: 79513
 Ion Ratio Lower Upper
 73 100
 57 24.9 20.0 30.0

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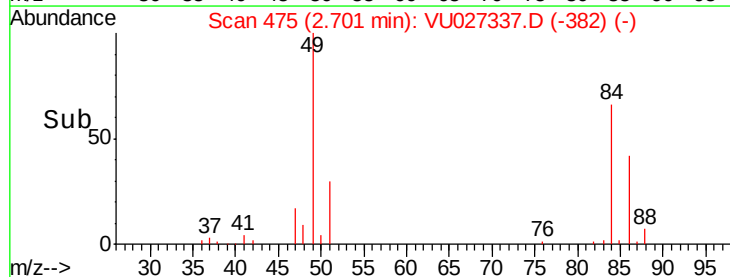
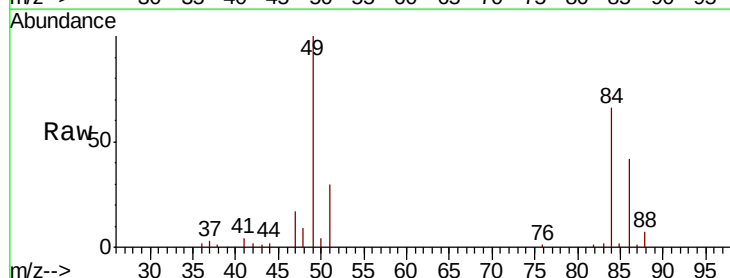
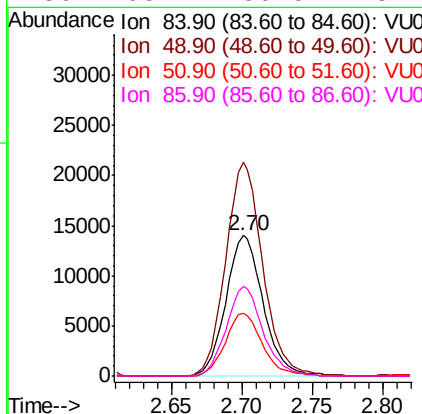
MMDadoda
 10/3/2018 6:14:44 PM

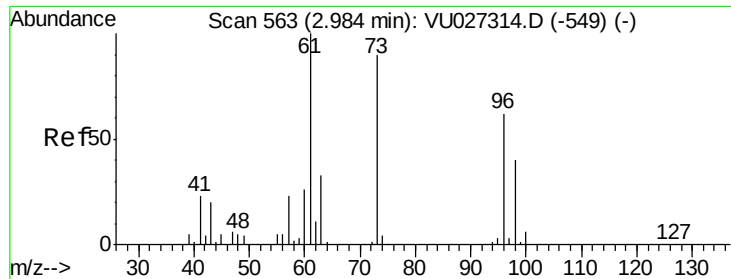


#20

Methylene Chloride
 Concen: 18.443 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion: 84 Resp: 25726
 Ion Ratio Lower Upper
 84 100
 49 152.0 120.5 180.7
 51 45.0 35.1 52.7
 86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.141 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampled :

VU1002WBS01

Tot Ion: 96 Resp: 21839

Ion Ratio Lower Upper

96 100

61 167.5 129.4 194.2

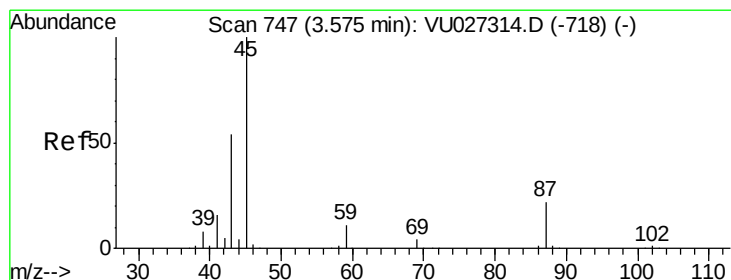
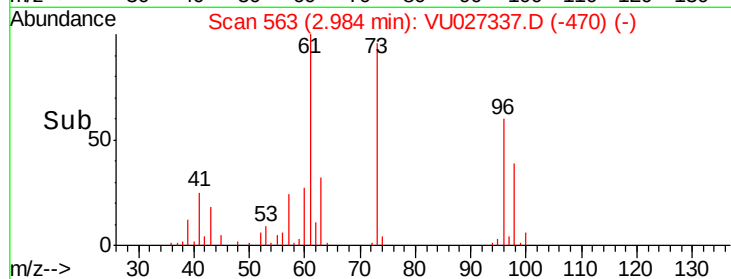
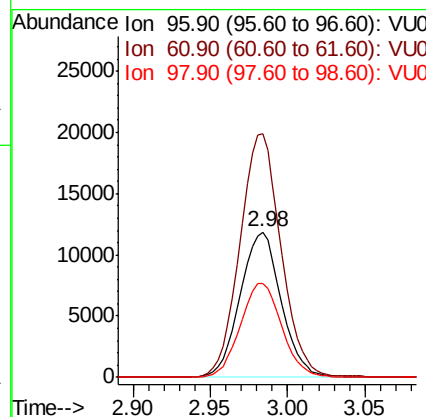
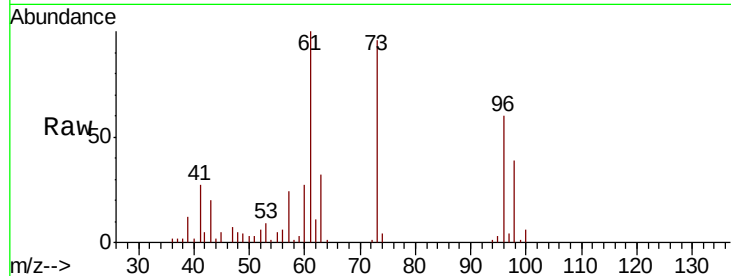
98 64.7 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.231 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion: 45 Resp: 99529

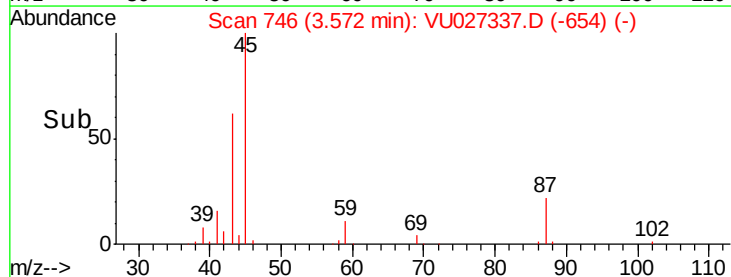
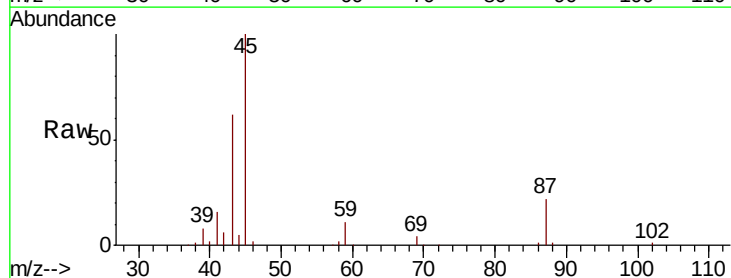
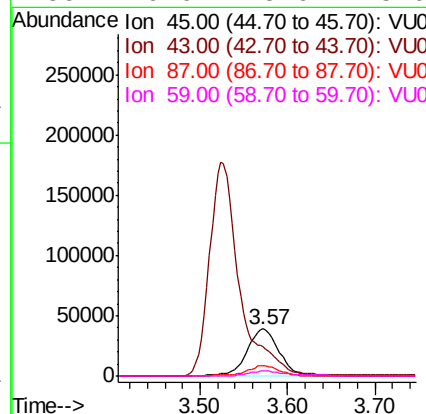
Ion Ratio Lower Upper

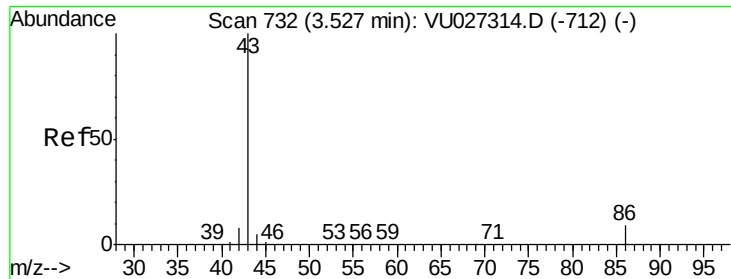
45 100

43 59.0 43.4 65.2

87 21.8 17.5 26.3

59 10.6 8.6 13.0





#23

Vinyl Acetate

Concen: 93.878 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 43 Resp: 424302

Ion Ratio Lower Upper

43 100

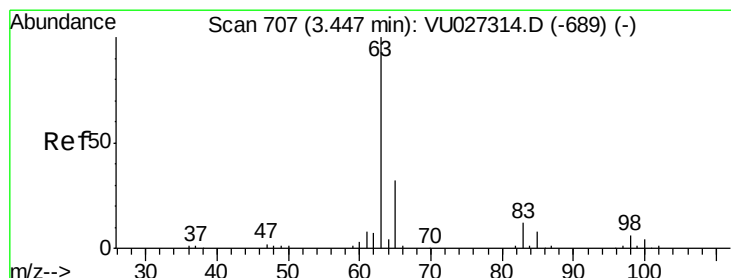
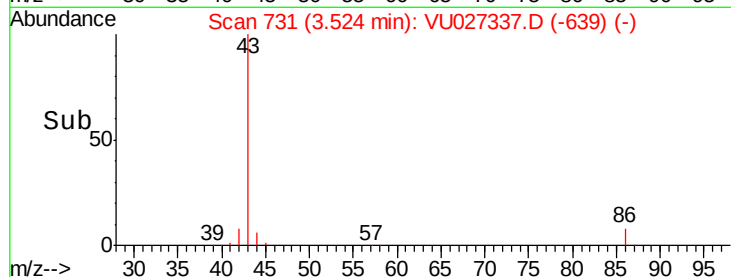
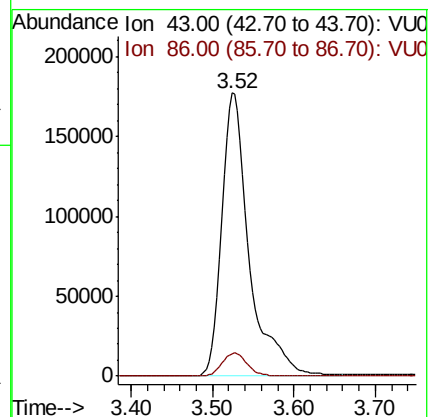
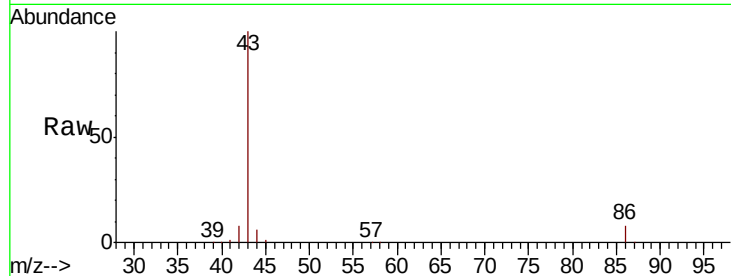
86 8.1 7.0 10.4

Manual Integrations

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MMDadoda

10/3/2018 6:14:44 PM



#24

1,1-Dichloroethane

Concen: 19.126 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

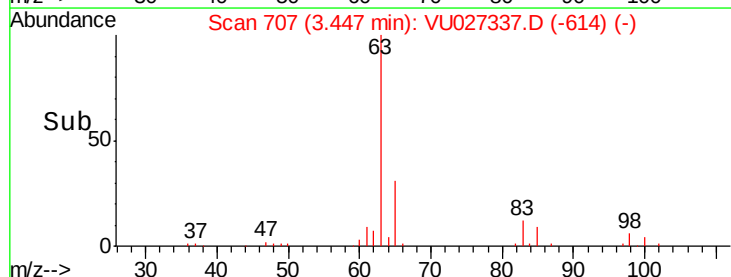
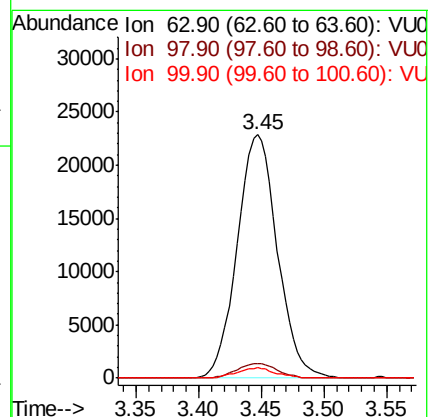
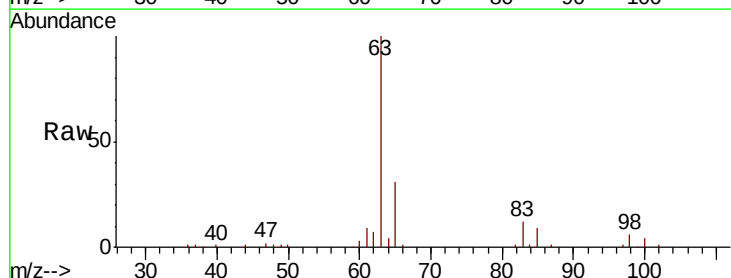
Tgt Ion: 63 Resp: 50887

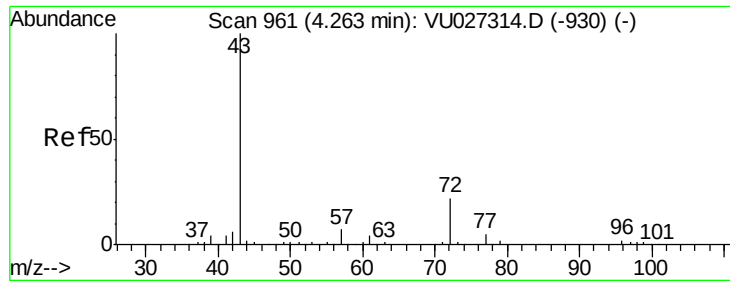
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.2 1.8 5.5





#25

2-Butanone

Concen: 93.251 ug/l

RT: 4.26 min Scan# 961

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 43 Resp: 127340

Ion Ratio Lower Upper

43 100

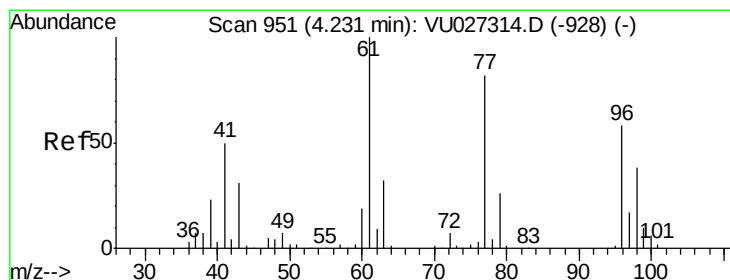
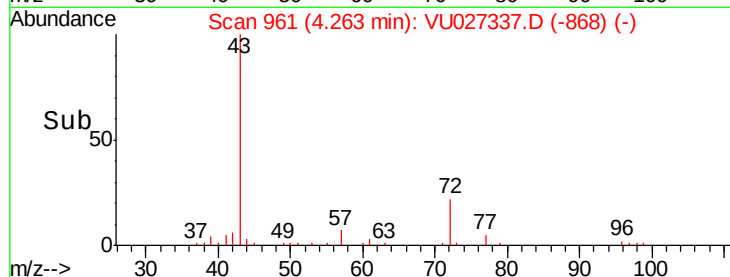
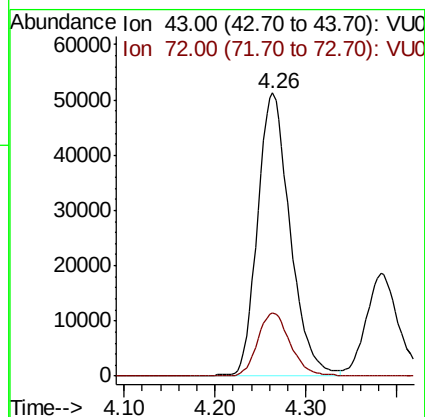
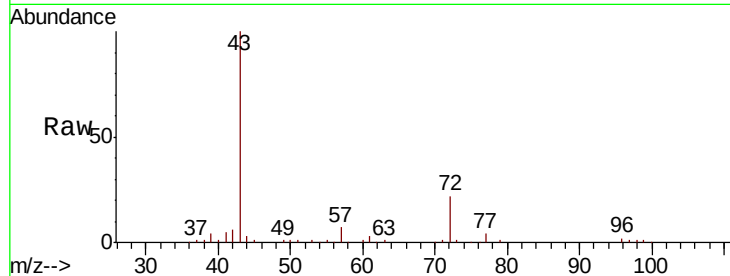
72 22.2 17.8 26.6

Manual Integrations

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MMDadoda

10/3/2018 6:14:44 PM



#26

2,2-Dichloropropane

Concen: 18.705 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.01 min

Lab File: VU027337.D

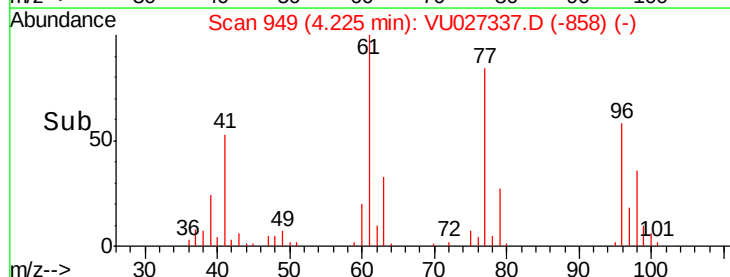
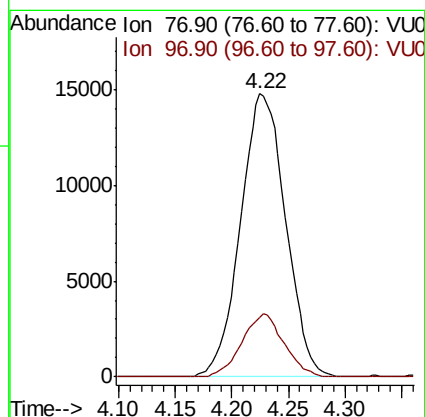
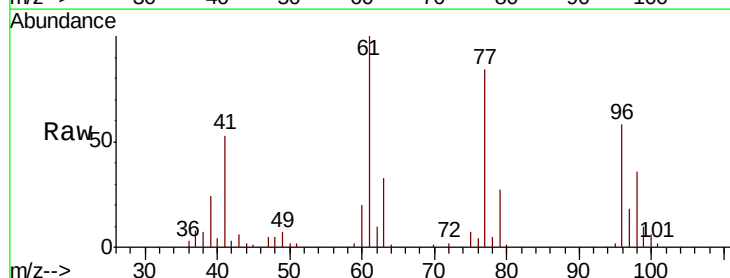
Acq: 02 Oct 2018 10:18

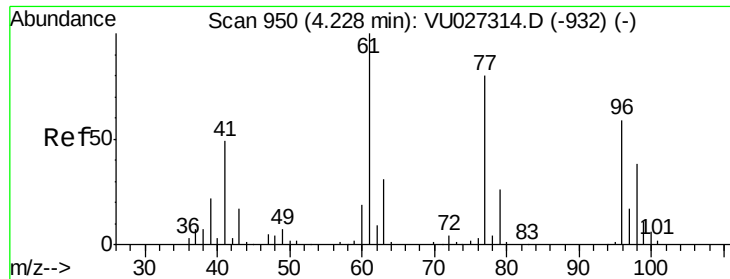
Tgt Ion: 77 Resp: 40892

Ion Ratio Lower Upper

77 100

97 20.6 10.4 31.1





#27

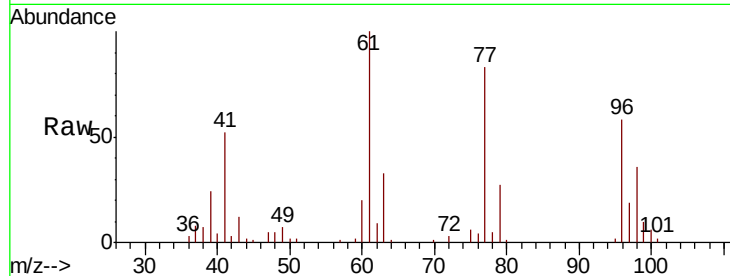
cis-1,2-Dichloroethene
Concen: 18.333 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

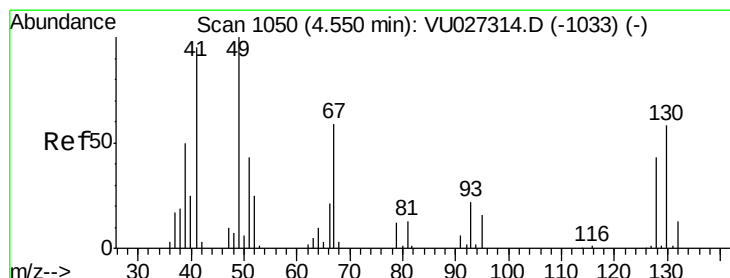
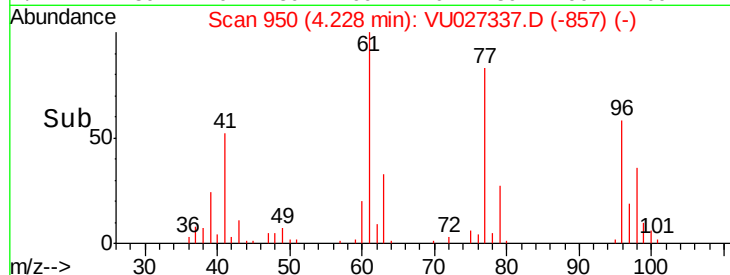
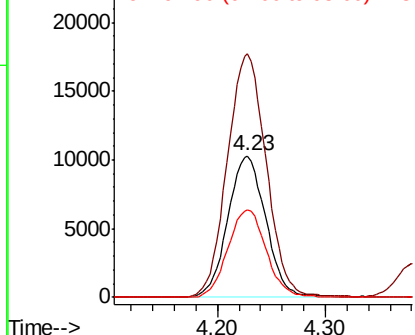
Tot Ion	Ratio	Lower	Upper
96	100		
61	175.8	0.0	343.8
98	62.4	0.0	129.0

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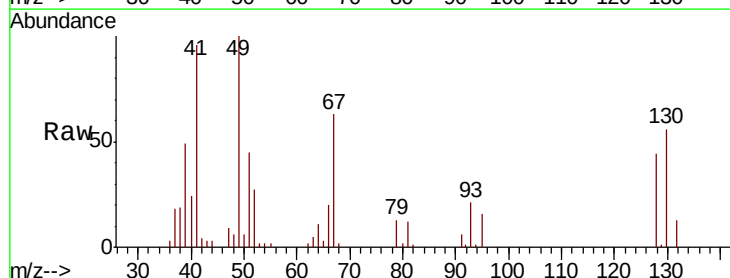
Abundance Ion 95.90 (95.60 to 96.60): VU0
Ion 60.90 (60.60 to 61.60): VU0
Ion 97.90 (97.60 to 98.60): VU0



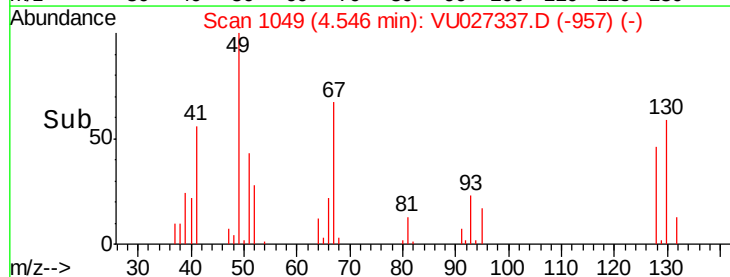
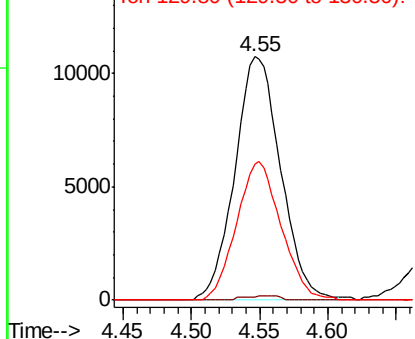
#28

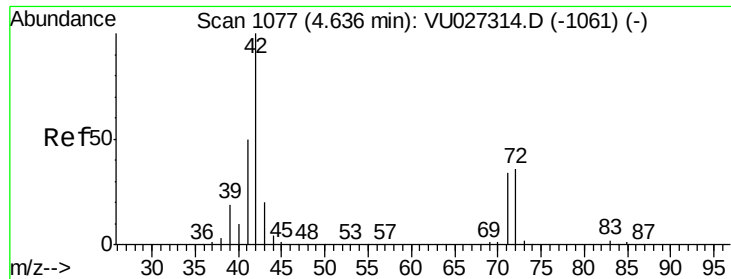
Bromochloromethane
Concen: 19.477 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.0
130	55.3	46.1	69.1



Abundance Ion 48.90 (48.60 to 49.60): VU0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





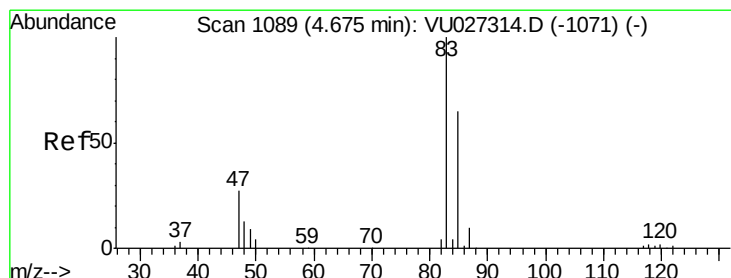
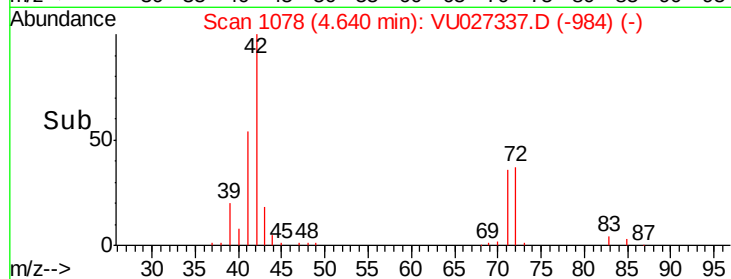
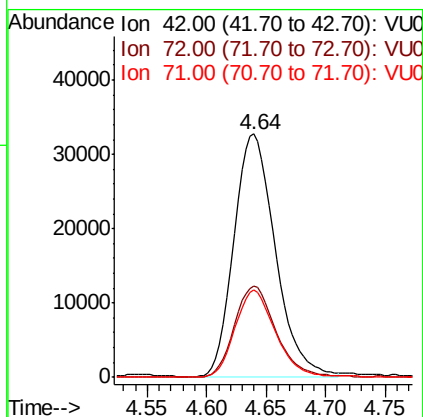
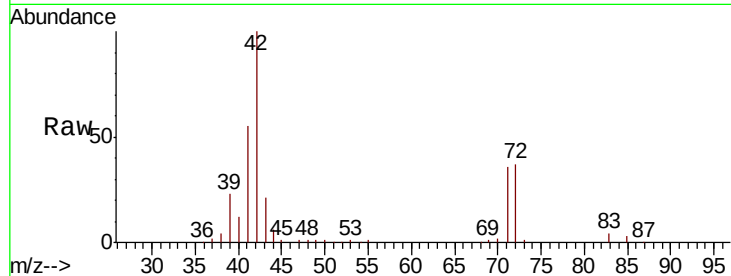
#29
Tetrahydrofuran
Concen: 92.317 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.1	45.1
71	34.6	27.7	41.5

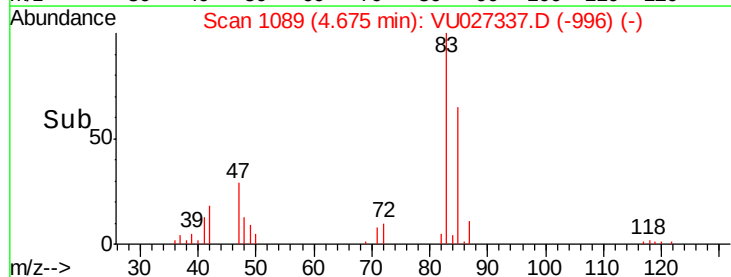
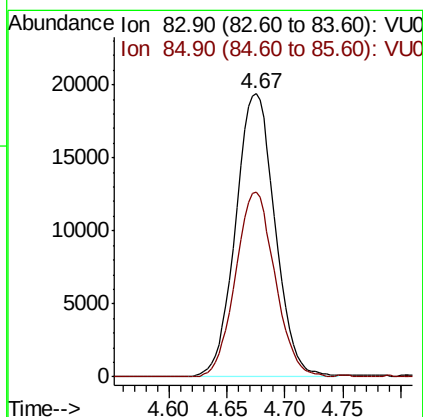
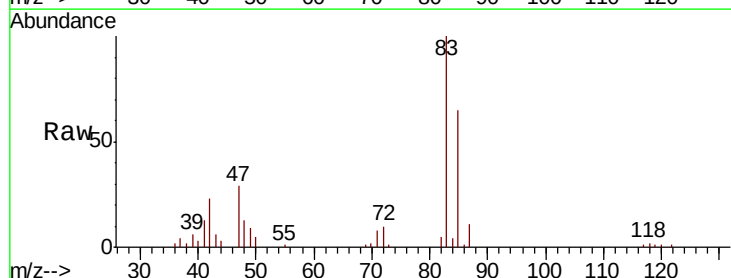
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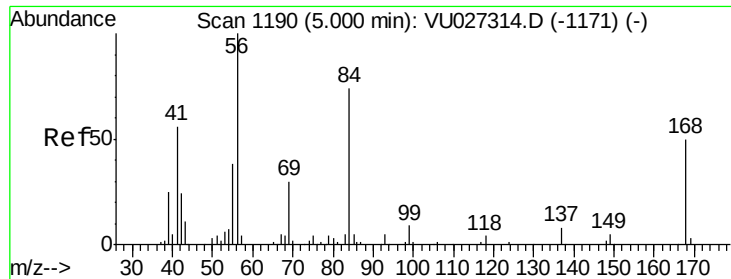
MMDadoda
10/3/2018 6:14:44 PM



#30
Chloroform
Concen: 19.372 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.8	77.6





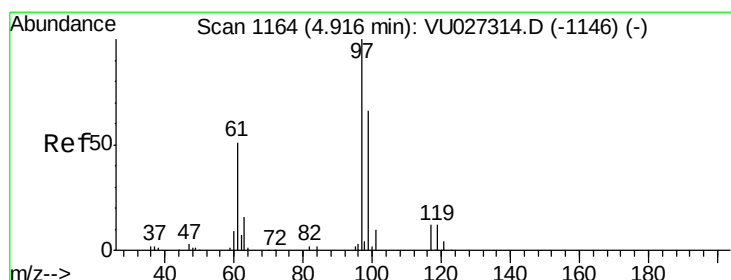
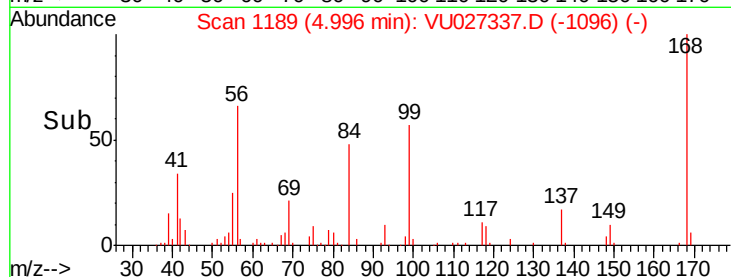
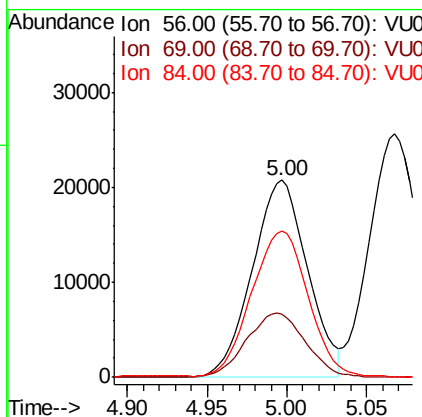
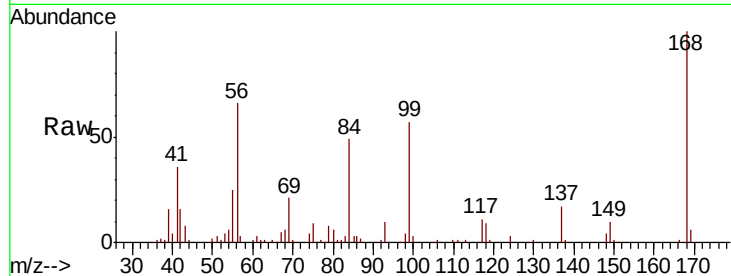
#31
Cyclohexane
Concen: 18.057 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.1	36.1
84	73.6	59.1	88.7

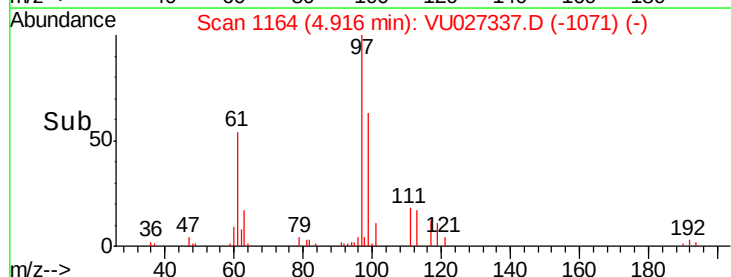
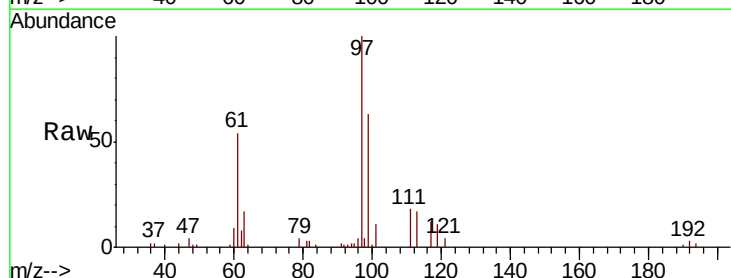
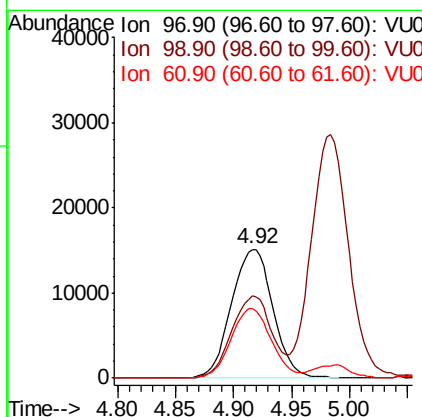
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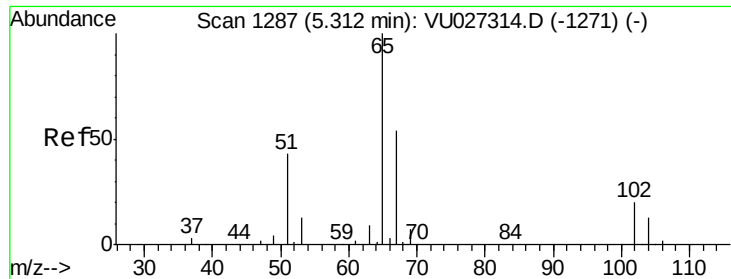
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#32
1,1,1-Trichloroethane
Concen: 18.916 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.2	51.1	76.7
61	52.1	39.6	59.4





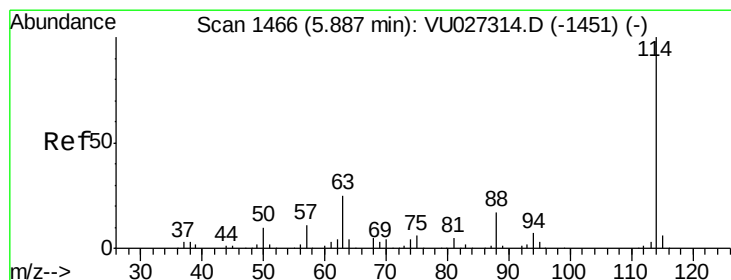
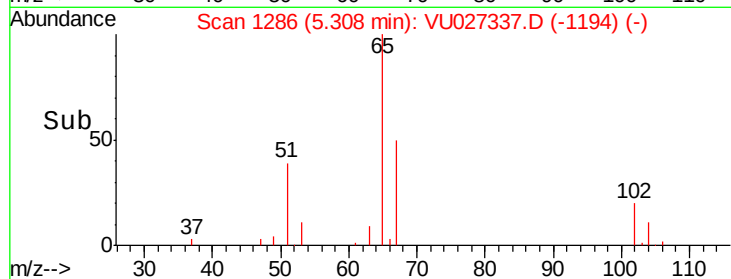
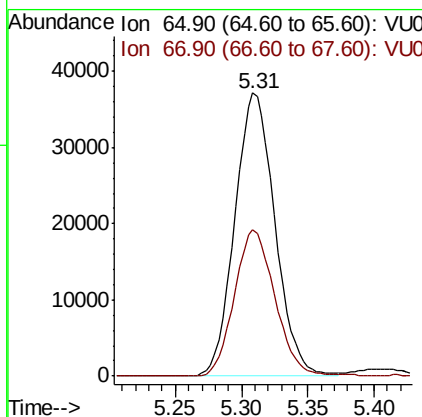
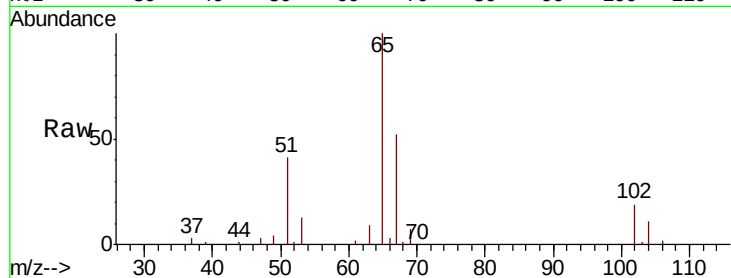
#33
 1,2-Dichloroethane-d4
 Concen: 46.098 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	107.8

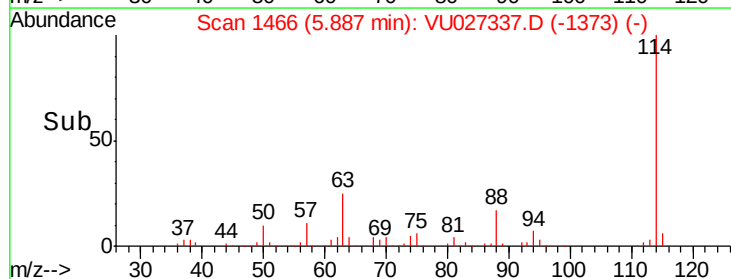
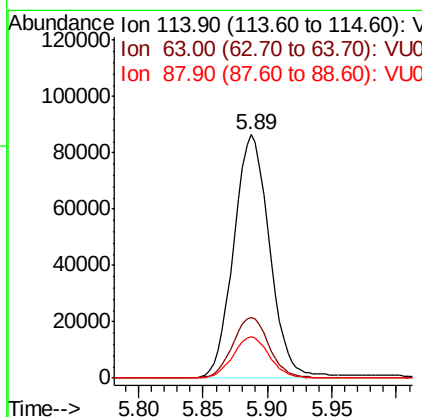
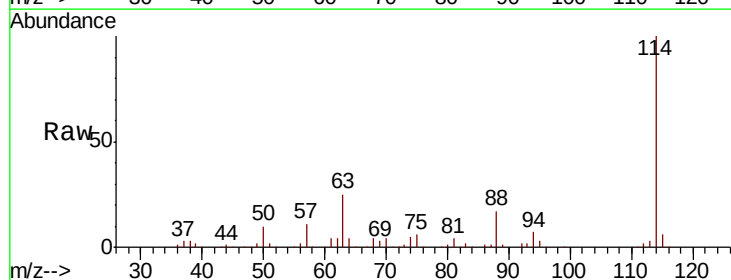
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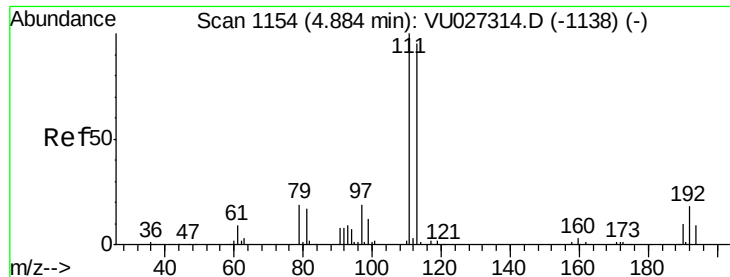
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 10/3/2018 6:14:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.1	0.0	50.2
88	17.1	0.0	33.8





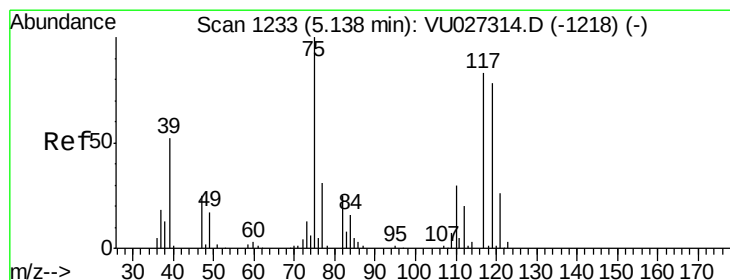
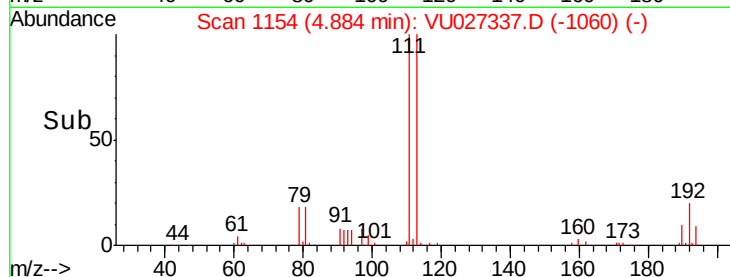
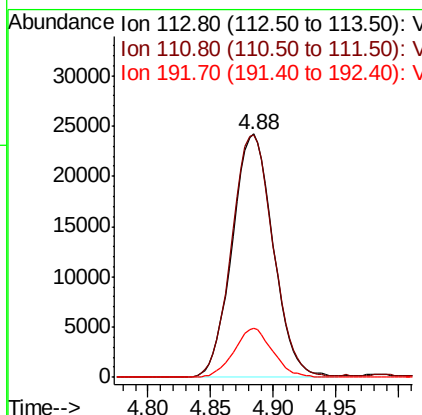
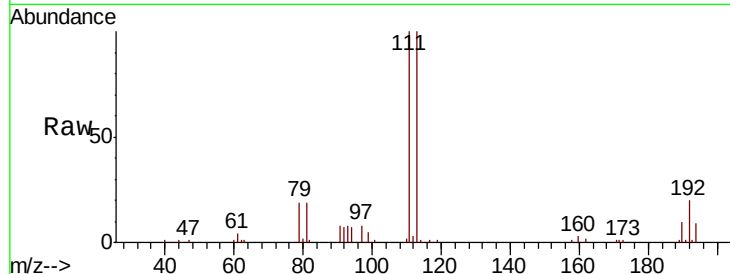
#35
 Dibromofluoromethane
 Concen: 47.691 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.1	124.7
192	18.8	15.4	23.0

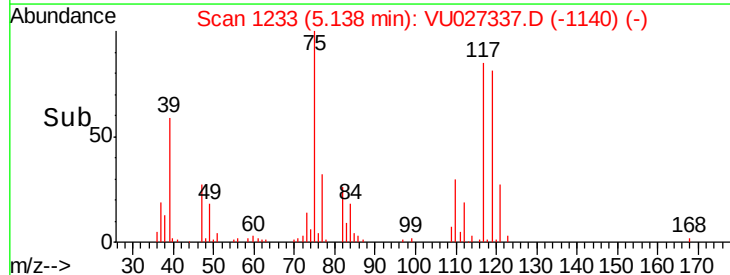
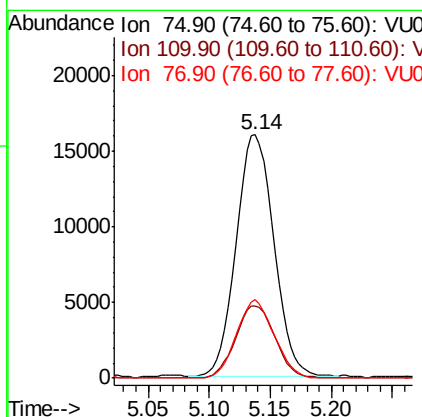
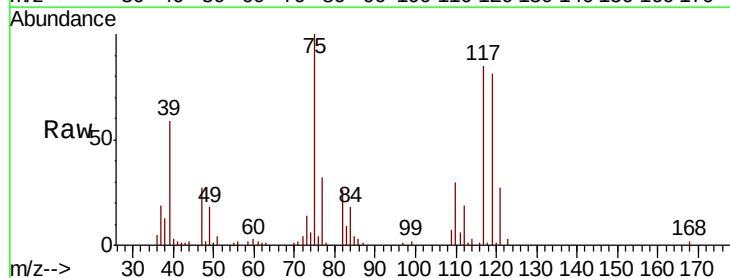
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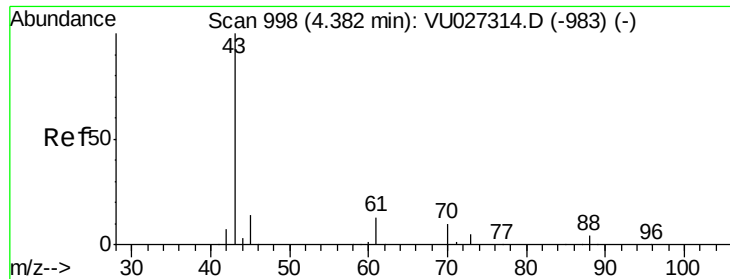
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#36
 1,1-Dichloropropene
 Concen: 18.759 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.5	46.5
77	32.0	25.4	38.0





#37

Ethyl Acetate

Concen: 18.942 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

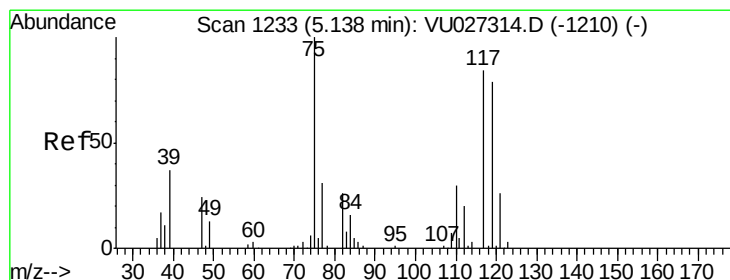
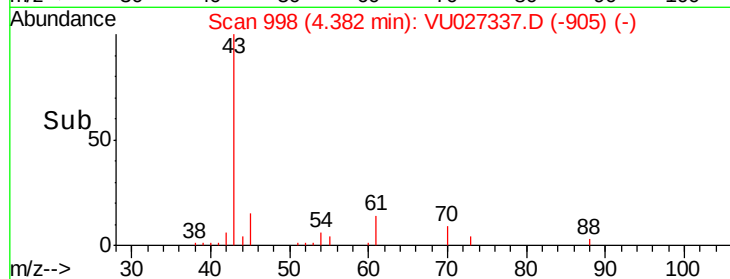
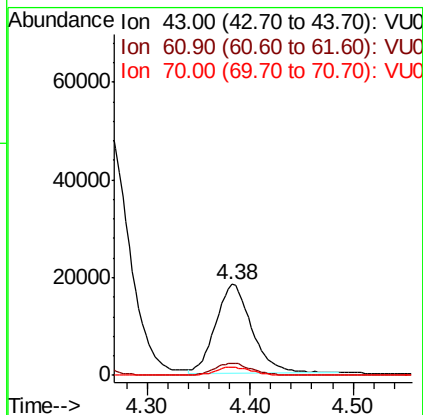
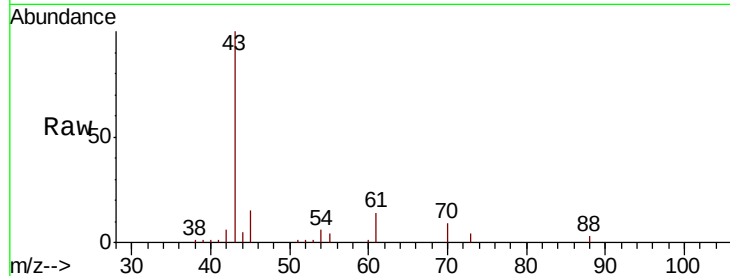
ClientSampleId :

VU1002WBS01

Tot Ion:	43	Resp:	44768
Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.7	16.1
70	9.0	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.583 ug/l

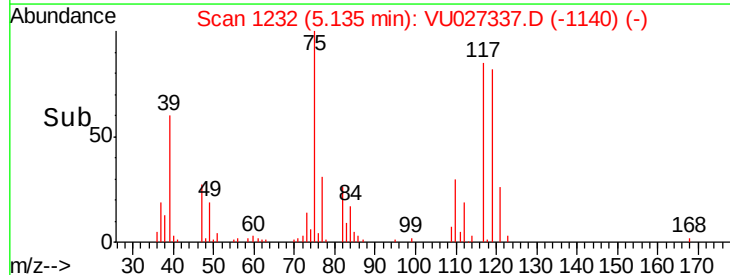
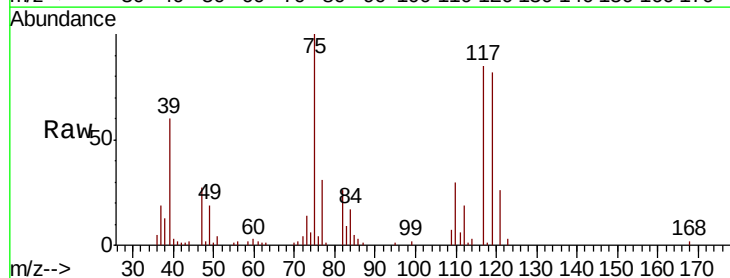
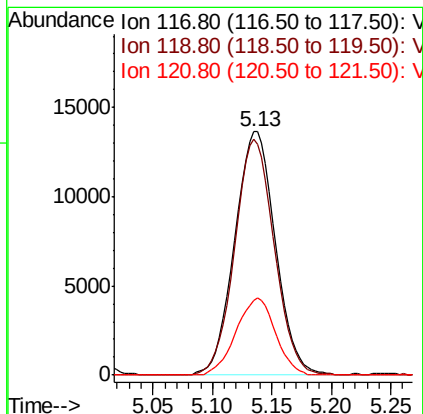
RT: 5.13 min Scan# 1232

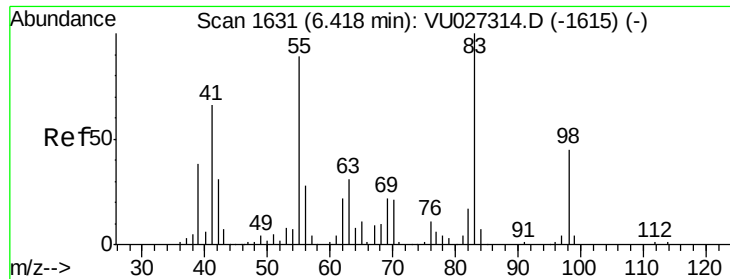
Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion:	117	Resp:	32349
Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.5	111.7
121	30.7	24.6	37.0





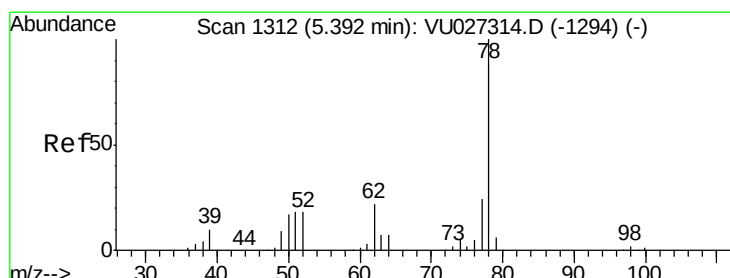
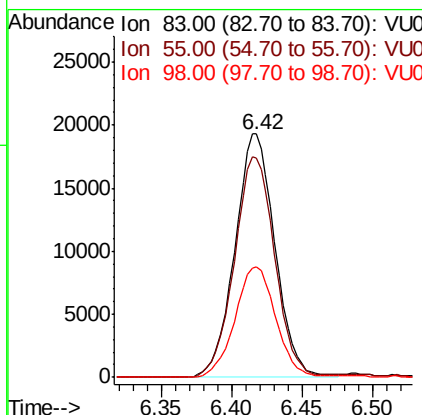
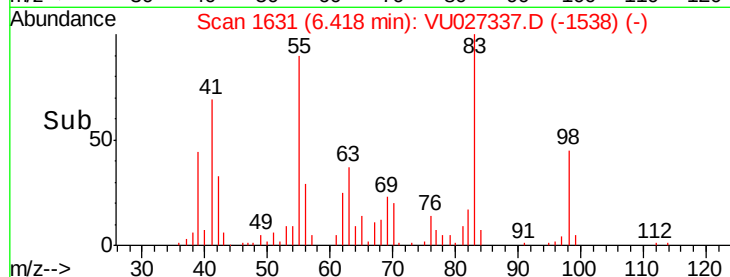
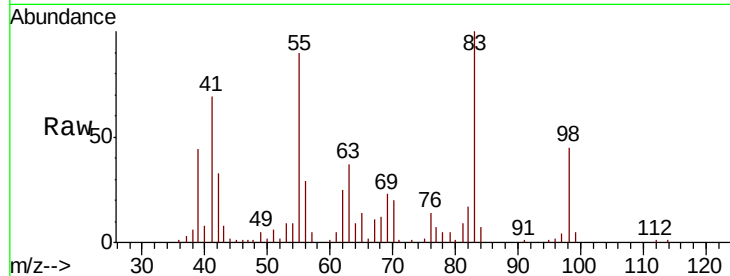
#39
Methylvlcyclohexane
Concen: 17.951 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.3	71.1	106.7
98	45.3	36.3	54.5

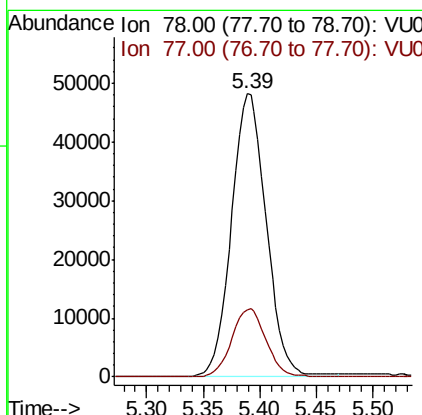
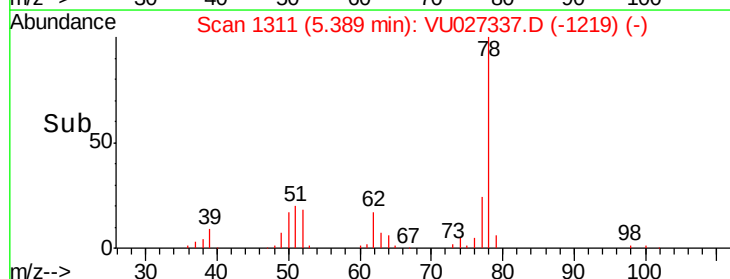
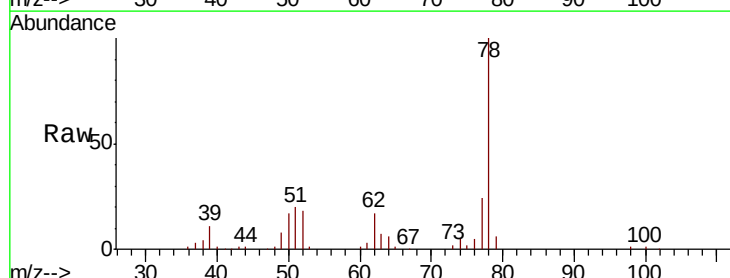
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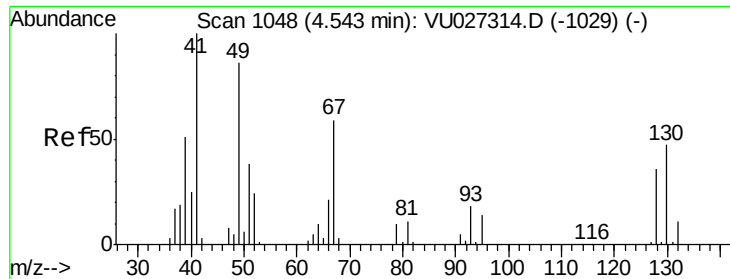
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#40
Benzene
Concen: 19.433 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





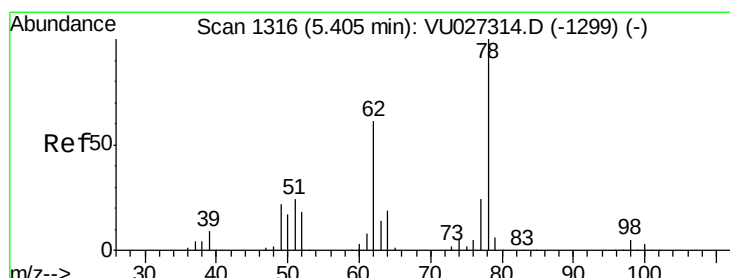
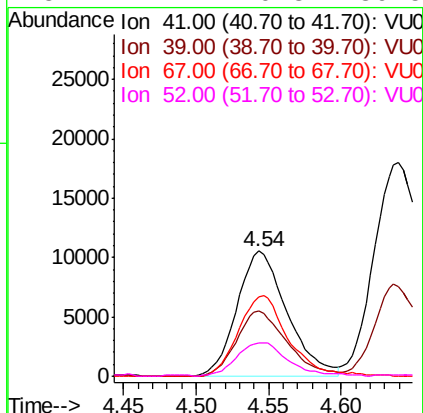
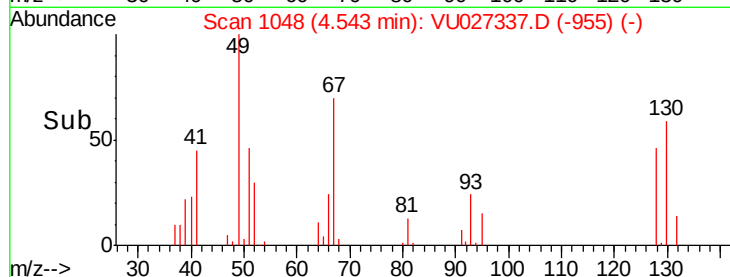
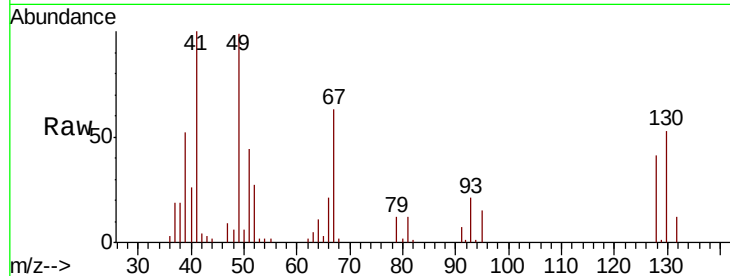
#41
Methacrylonitrile
Concen: 18.961 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	41.1	61.7	
67	63.7	50.4	75.6	
52	27.7	20.3	30.5	

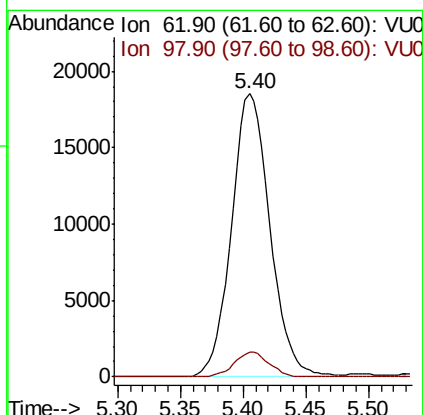
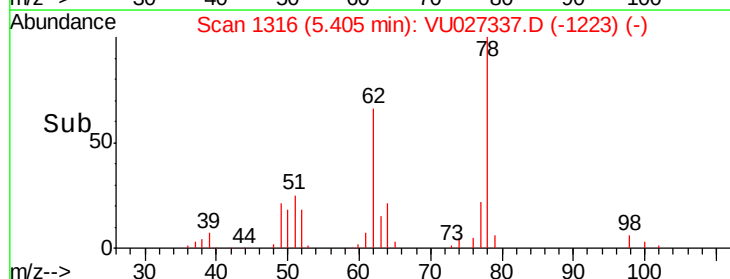
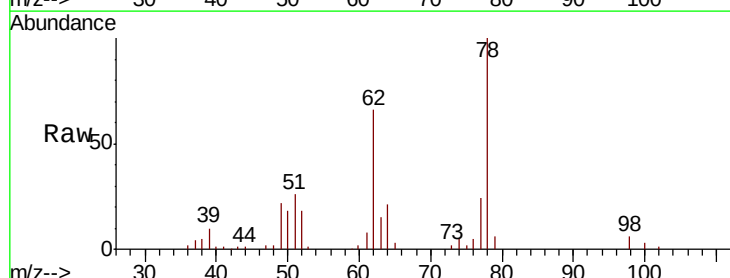
Manual Integrations
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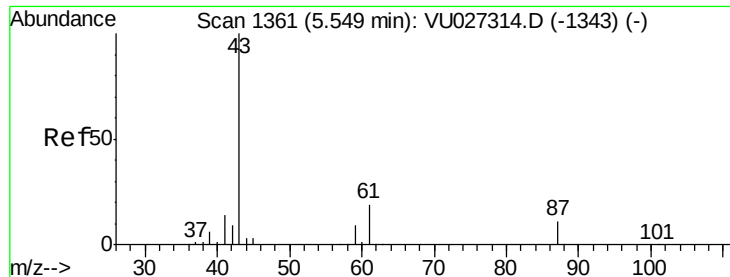
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.988 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	16.8	





#43

Isopropyl Acetate

Concen: 19.231 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

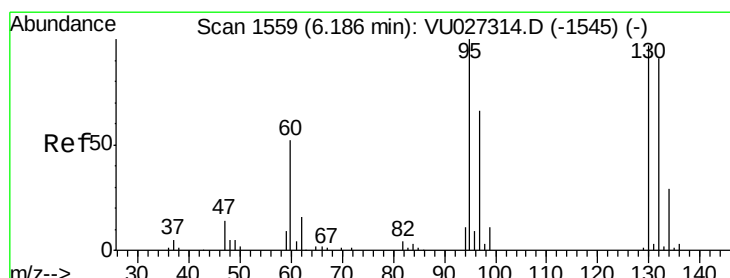
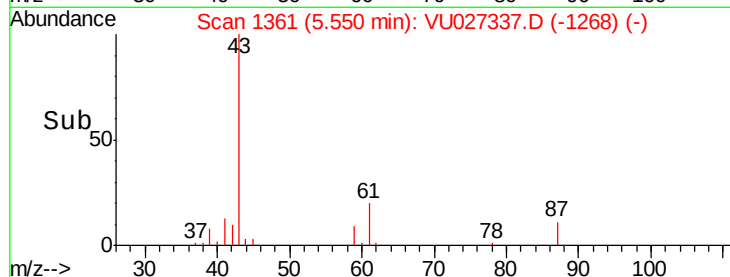
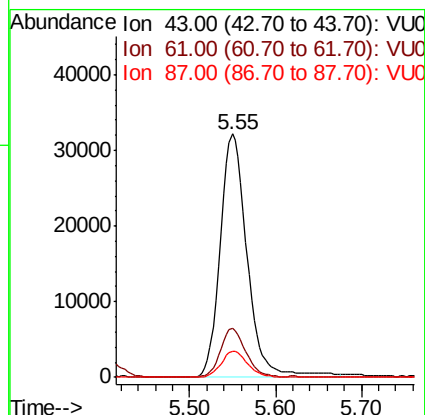
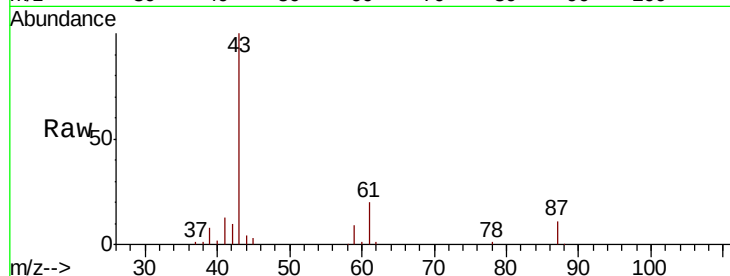
ClientSampleId :

VU1002WBS01

Tot Ion:	43	Resp:	70589
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	10.4	8.6	13.0

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10/3/2018 6:14:44 PM



#44

Trichloroethene

Concen: 18.759 ug/l

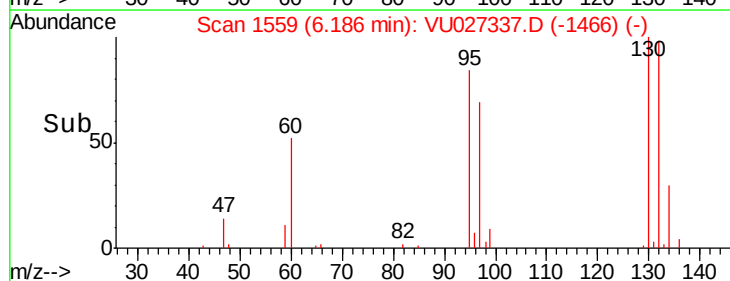
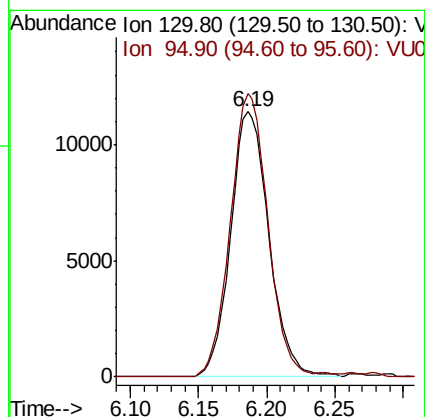
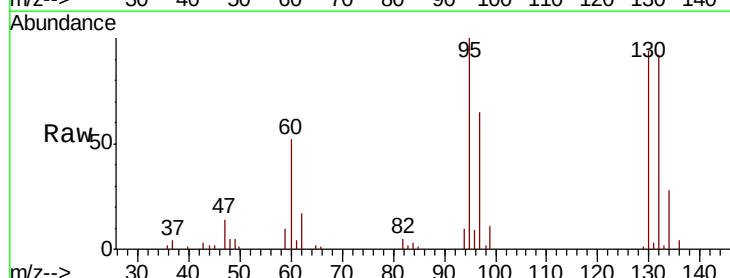
RT: 6.19 min Scan# 1559

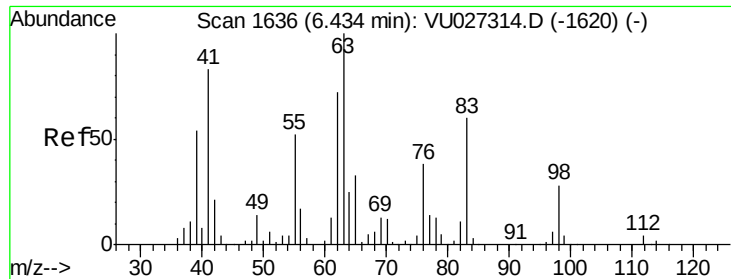
Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion:	130	Resp:	22281
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 19.915 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 63 Resp: 30597

Ion Ratio Lower Upper

63 100

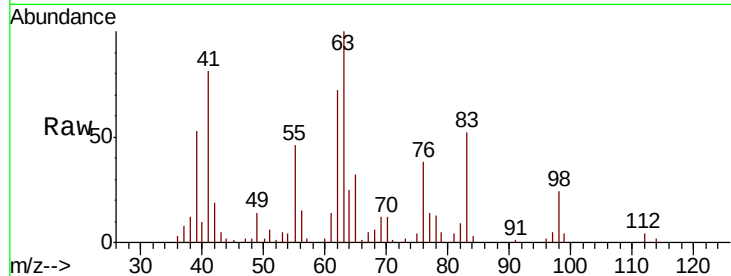
65 31.6 26.0 39.0

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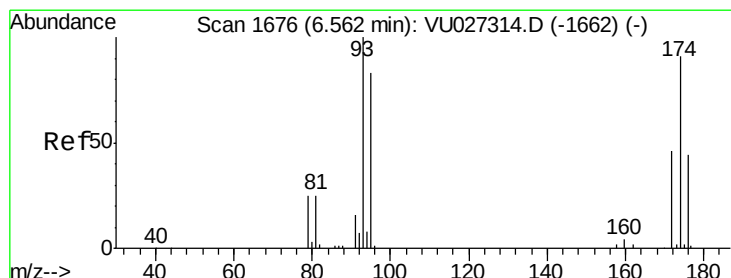
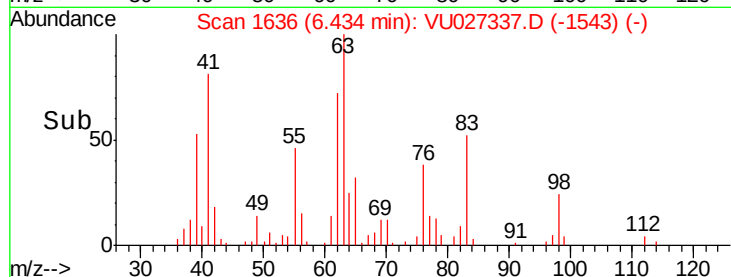
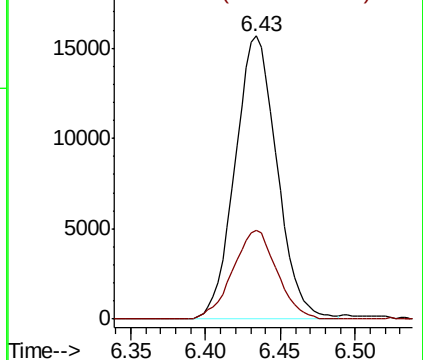
MMDadoda

10/3/2018 6:14:44 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 19.839 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

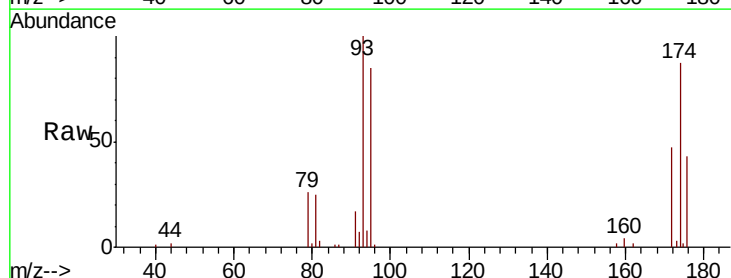
Tgt Ion: 93 Resp: 17215

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

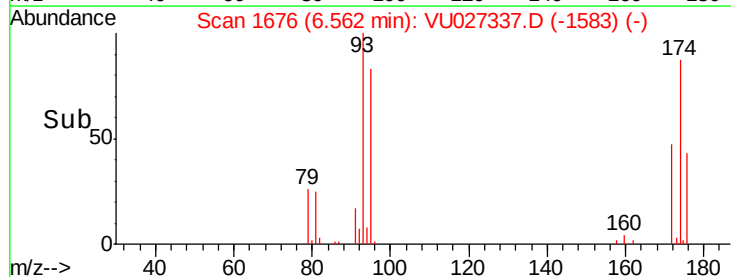
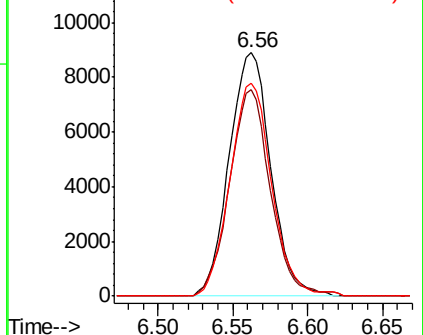
174 87.0 72.5 108.7

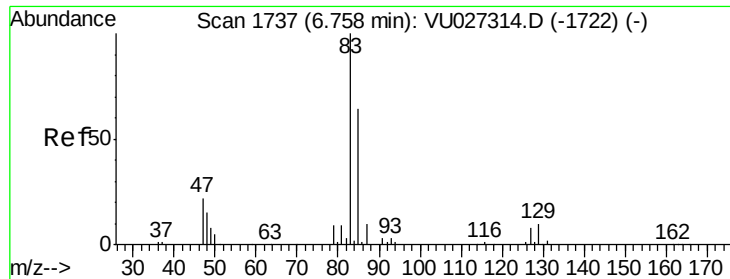


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





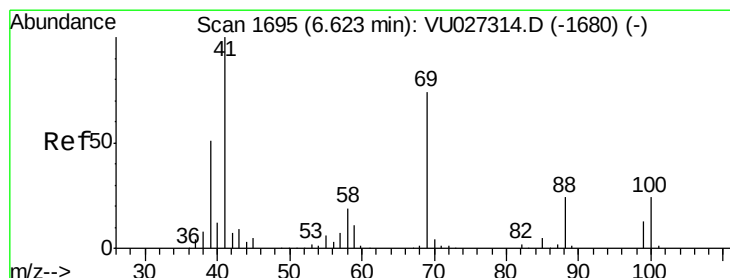
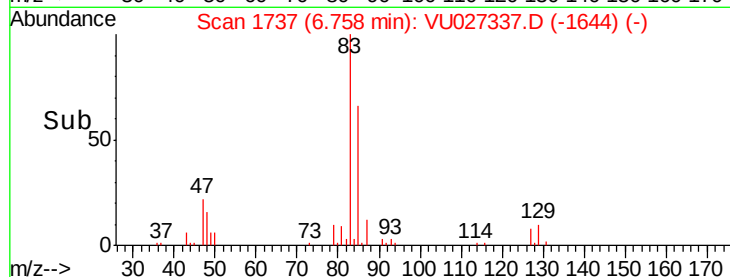
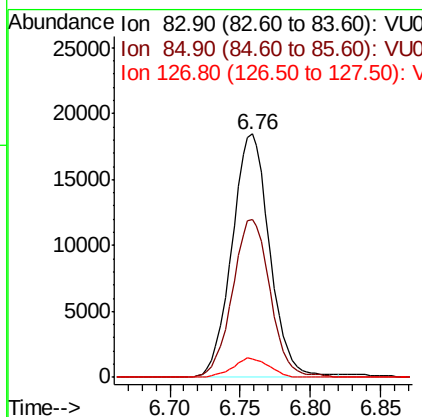
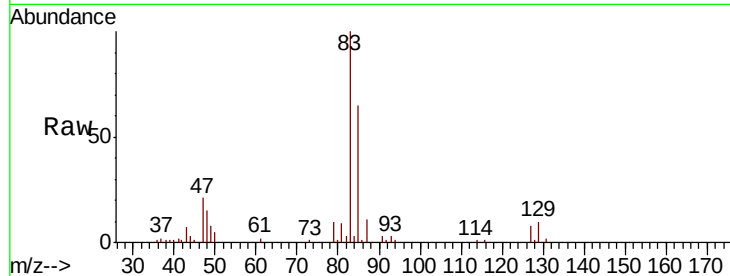
#47
Bromodichloromethane
Concen: 19.206 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	83	Resp	34581
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.4	77.0
127	7.8	6.3	9.5

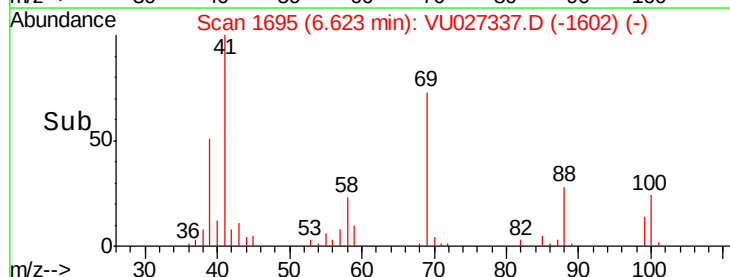
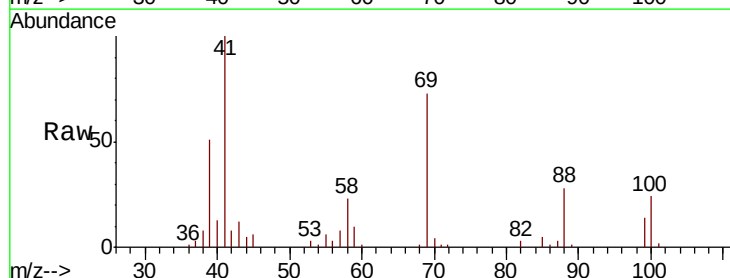
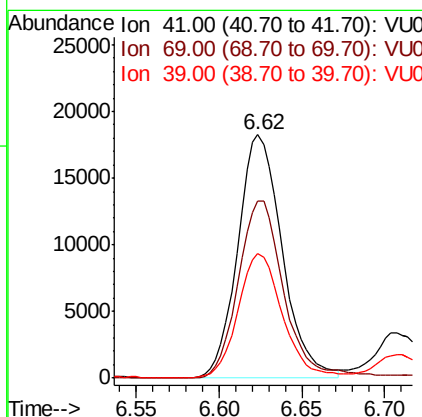
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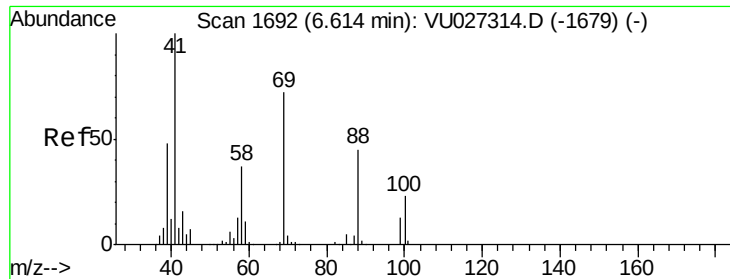
MMDadoda
10/3/2018 6:14:44 PM



#48
Methyl methacrylate
Concen: 18.624 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	41	Resp	33995
Ion Ratio	100	Lower	Upper
41	100		
69	75.0	61.0	91.4
39	51.5	39.9	59.9





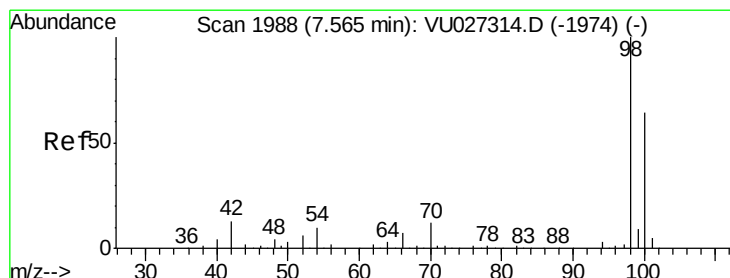
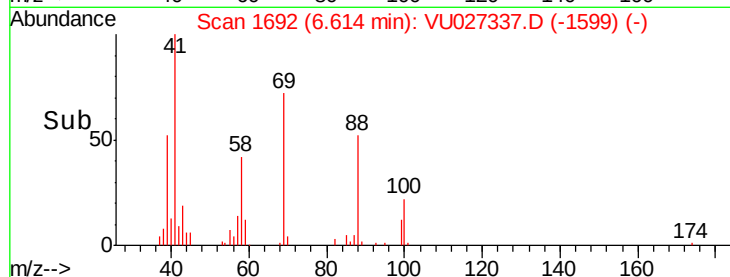
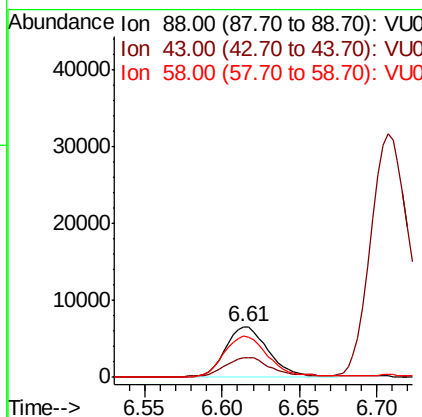
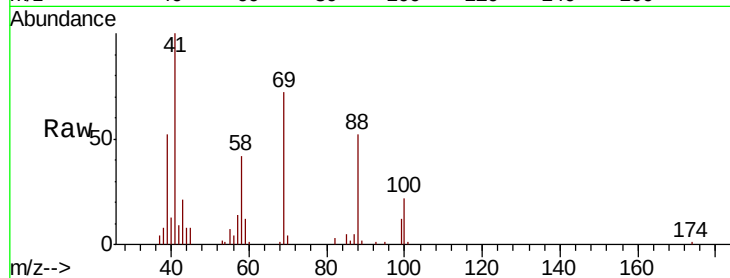
#49
1,4-Dioxane
Concen: 412.493 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	30.8	46.2
58	84.3	67.0	100.6

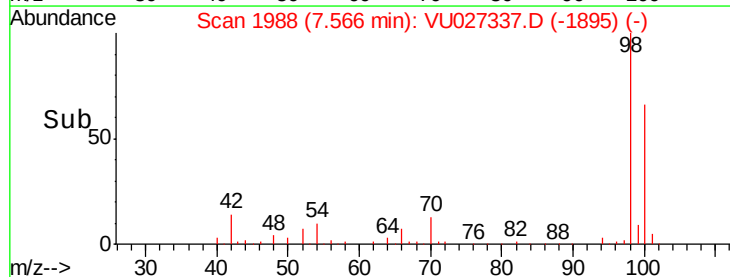
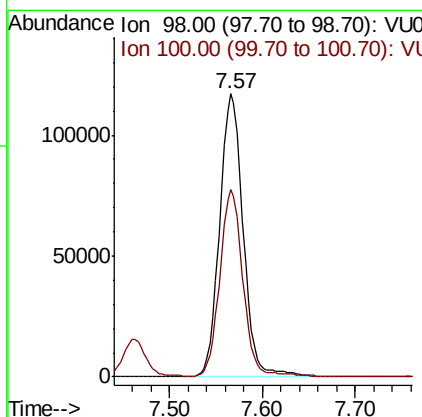
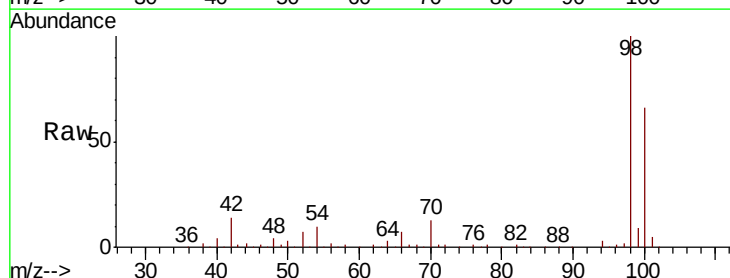
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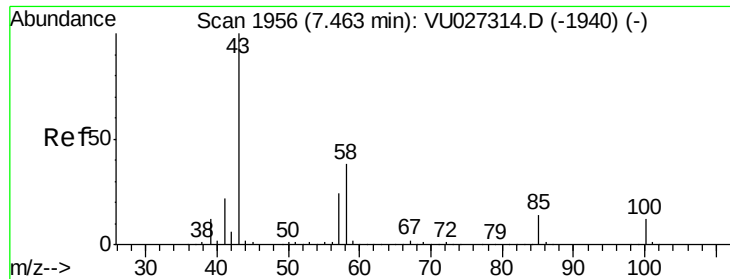
MMDadoda
10/3/2018 6:14:44 PM



#50
Toluene-d8
Concen: 47.834 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 98.223 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 43 Resp: 234282

Ion Ratio Lower Upper

43 100

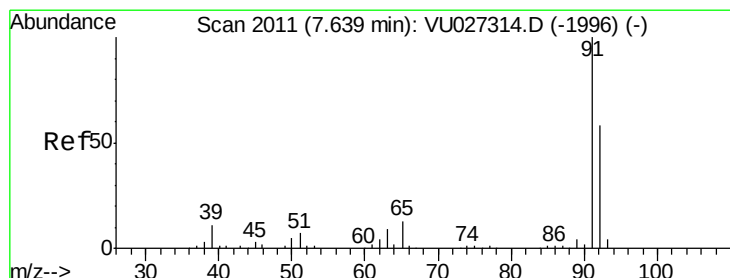
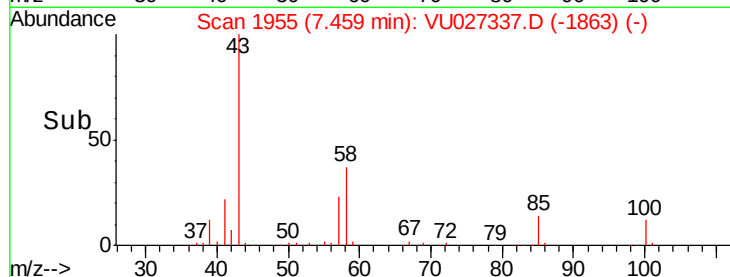
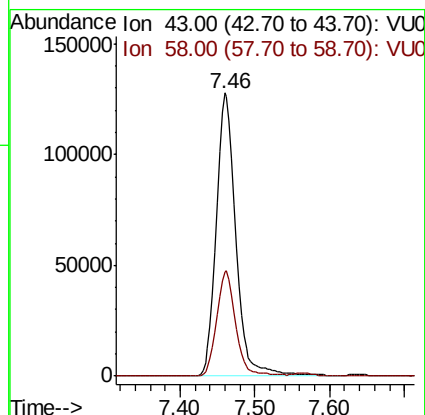
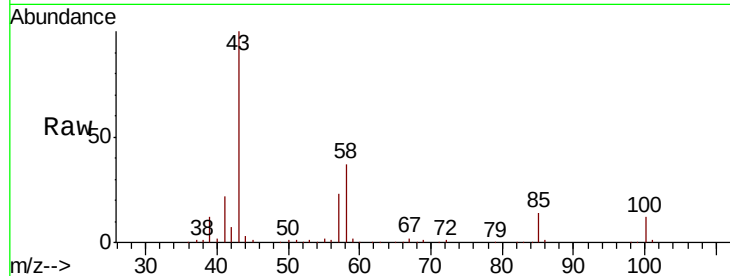
58 36.0 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 19.295 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027337.D

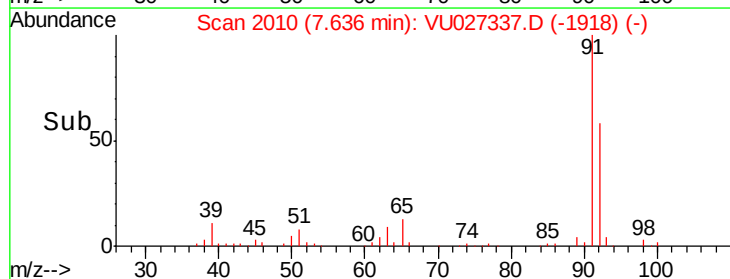
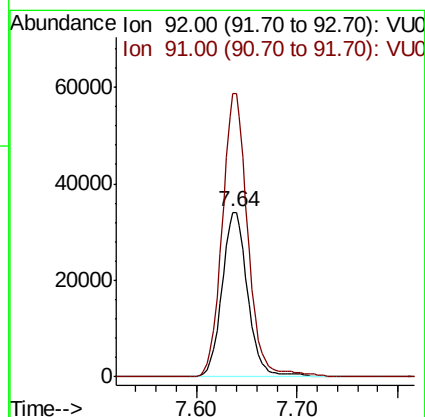
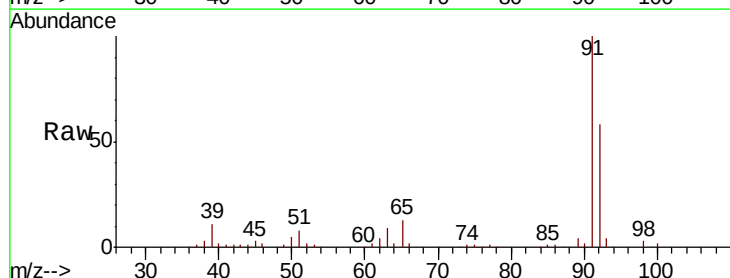
Acq: 02 Oct 2018 10:18

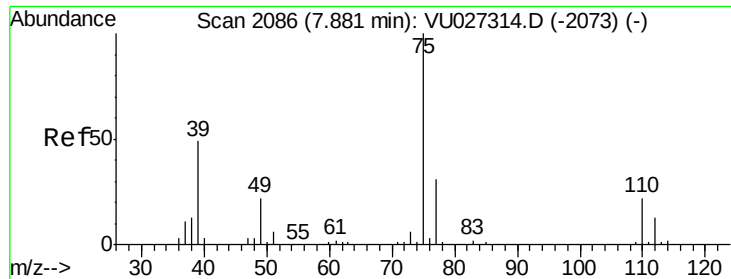
Tgt Ion: 92 Resp: 60835

Ion Ratio Lower Upper

92 100

91 167.3 138.6 208.0





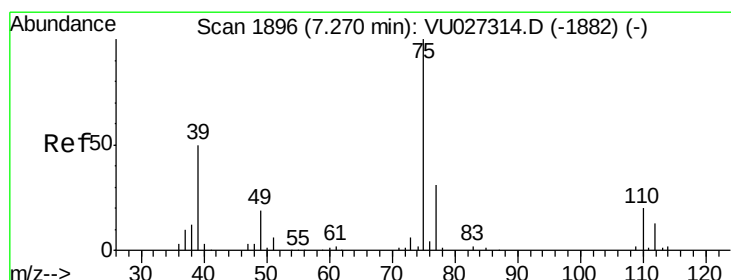
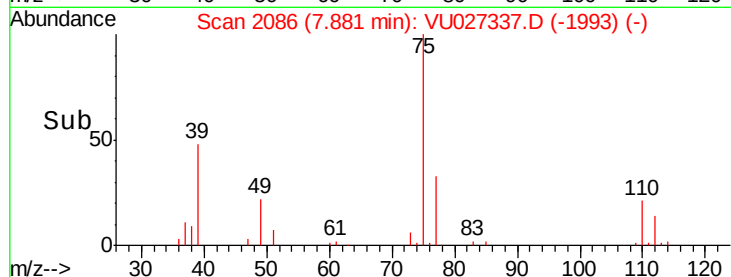
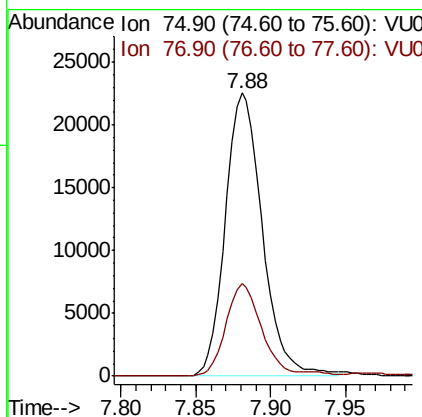
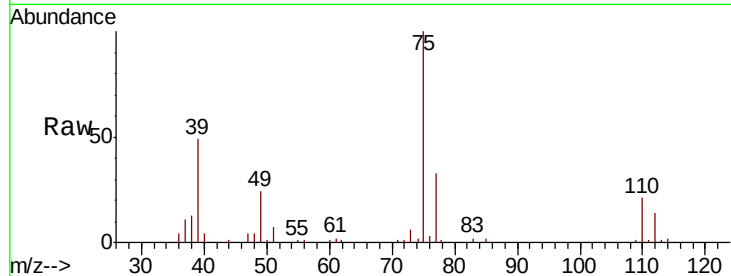
#53
t-1,3-Dichloropropene
Concen: 18.421 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion: 75 Resp: 38890
Ion Ratio Lower Upper
75 100
77 32.5 25.0 37.6

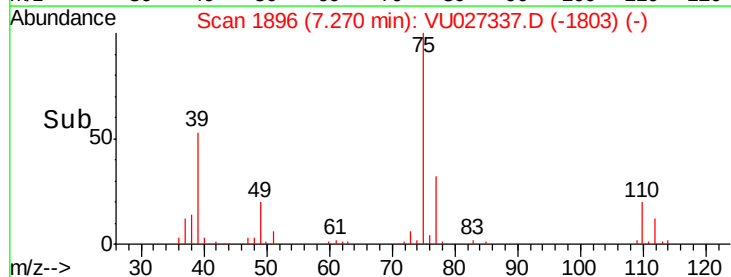
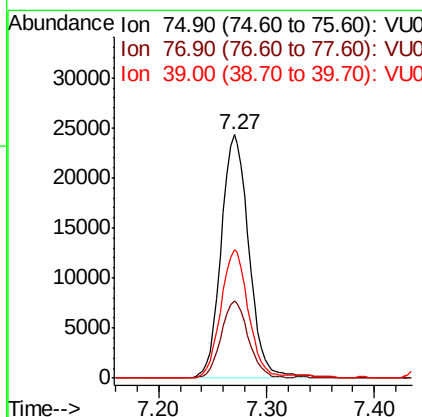
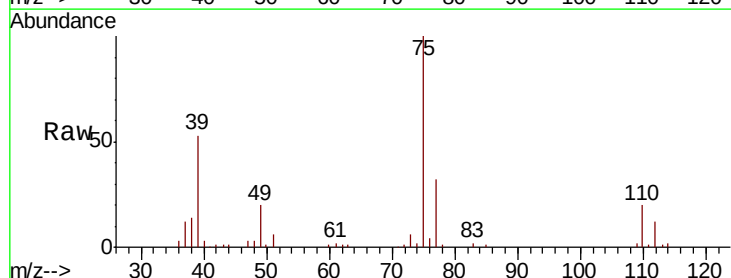
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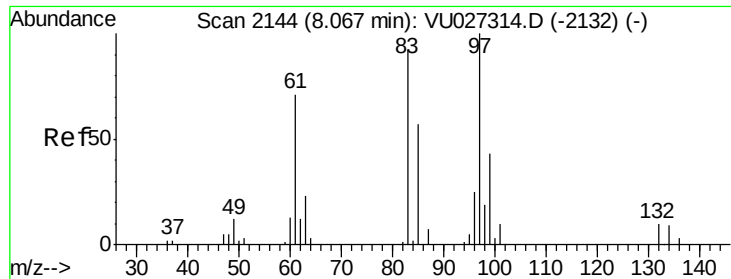
MMDadoda
10/3/2018 6:14:44 PM



#54
cis-1,3-Dichloropropene
Concen: 19.320 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion: 75 Resp: 43848
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 52.9 40.1 60.1





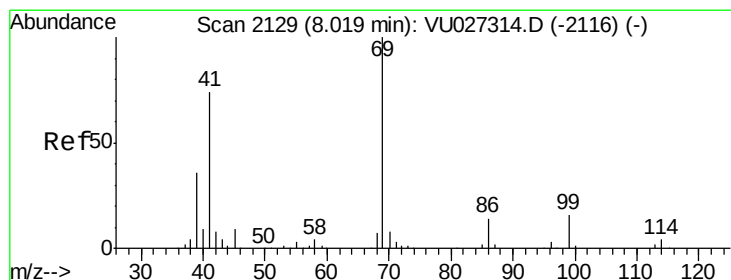
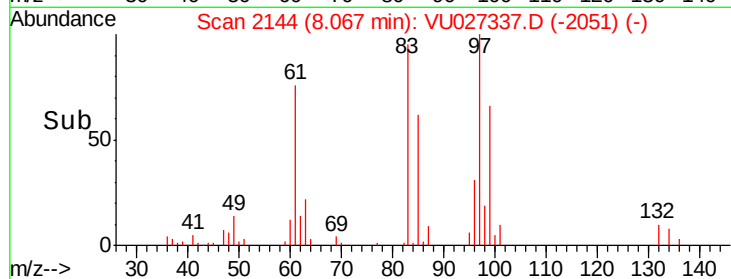
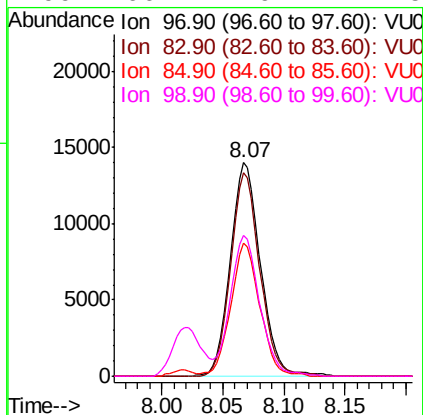
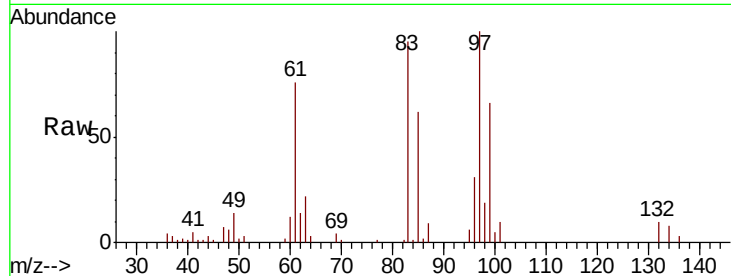
#55
 1,1,2-Trichloroethane
 Concen: 19.301 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion:	97	Resp:	24127
Ion	Ratio	Lower	Upper
97	100		
83	95.2	73.0	109.6
85	62.2	47.3	70.9
99	66.1	49.7	74.5

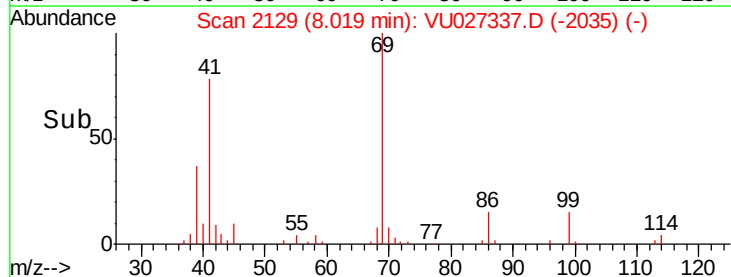
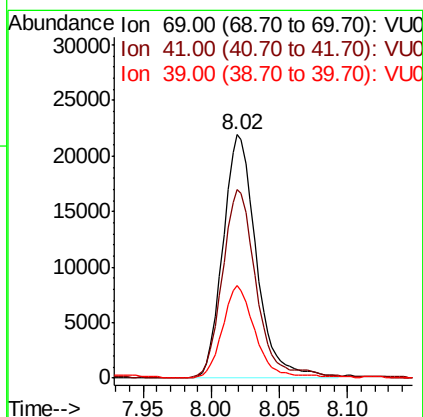
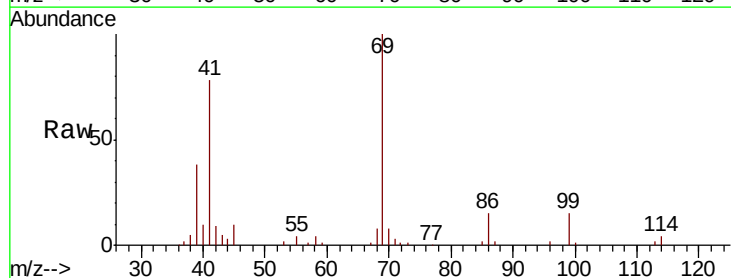
Manual Integrations
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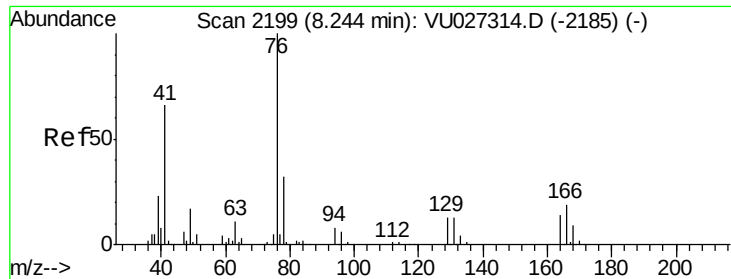
MMDadoda
 10/3/2018 6:14:44 PM



#56
 Ethyl methacrylate
 Concen: 17.177 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion:	69	Resp:	37379
Ion	Ratio	Lower	Upper
69	100		
41	79.3	60.0	90.0
39	37.3	29.5	44.3





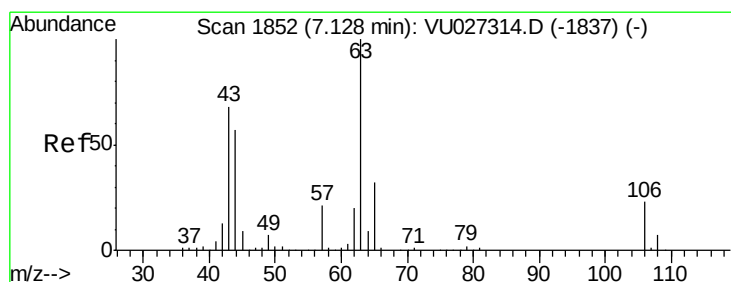
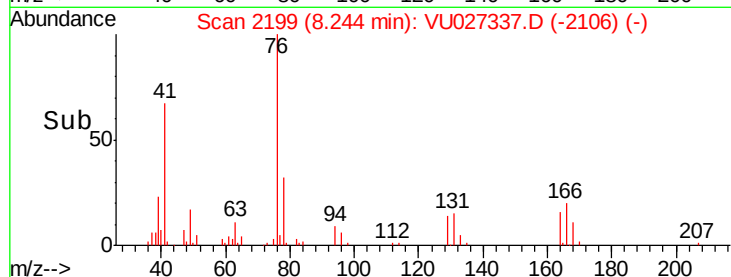
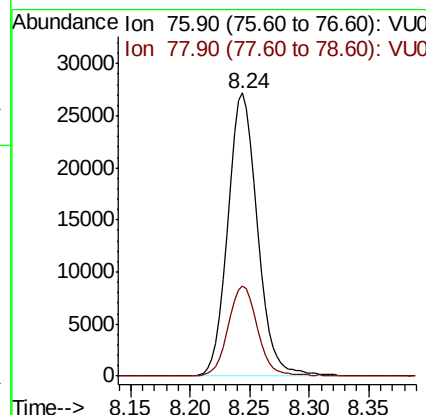
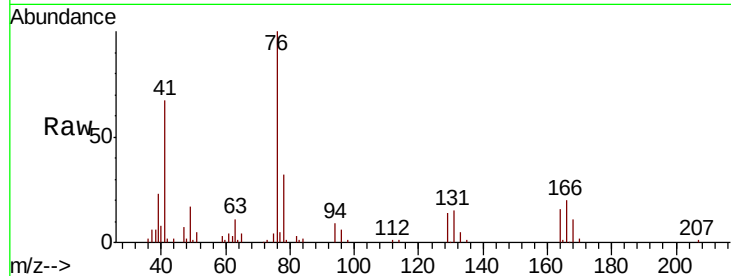
#57
 1,3-Dichloropropane
 Concen: 19.362 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.8	38.6

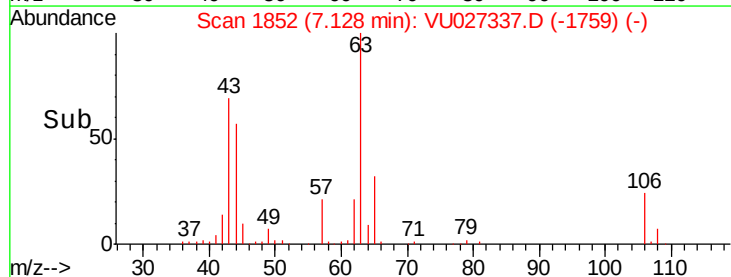
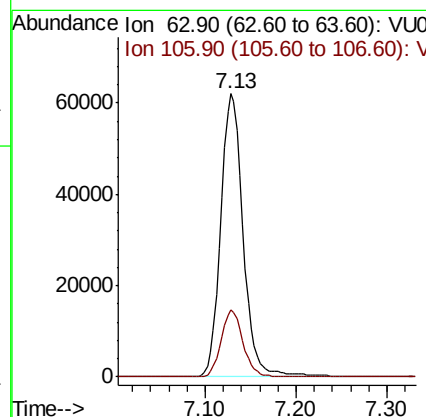
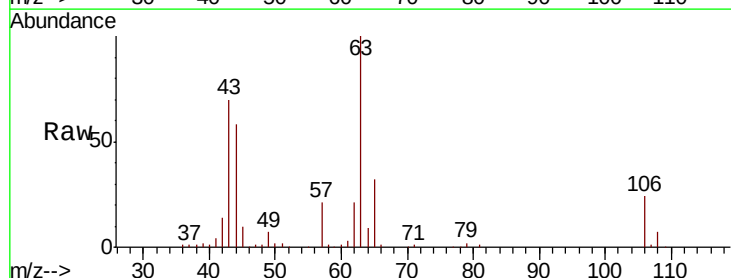
Manual Integrations
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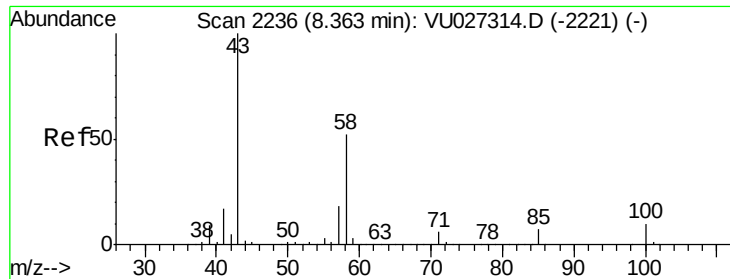
MMDadoda
 10/3/2018 6:14:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.599 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.7	18.5	27.7





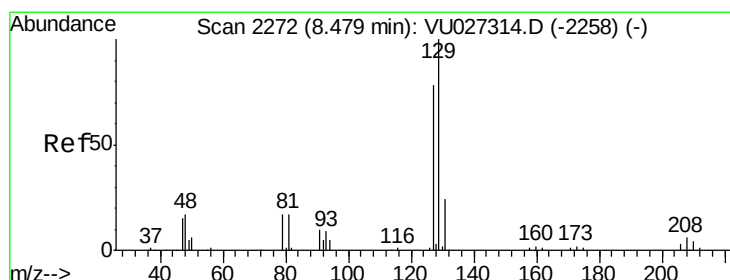
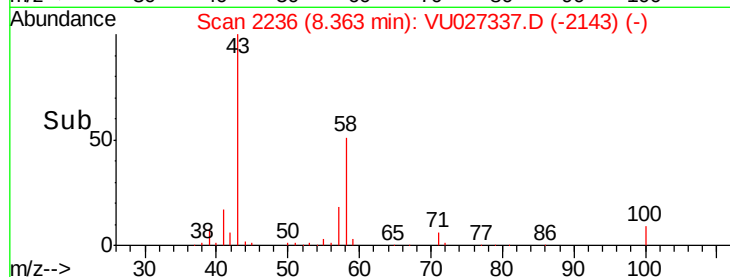
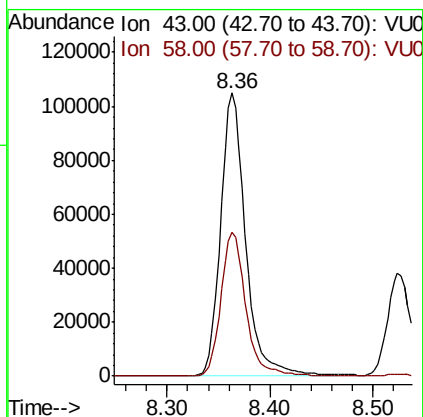
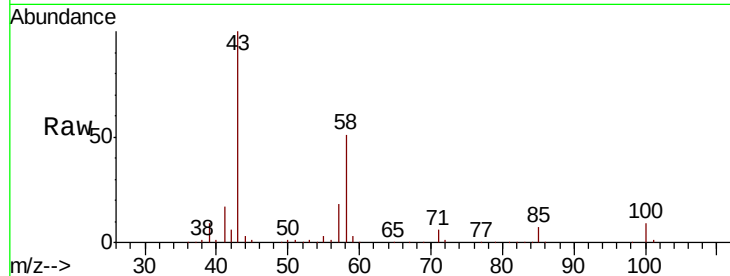
#59
2-Hexanone
Concen: 95.605 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion: 43 Resp: 176894
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3

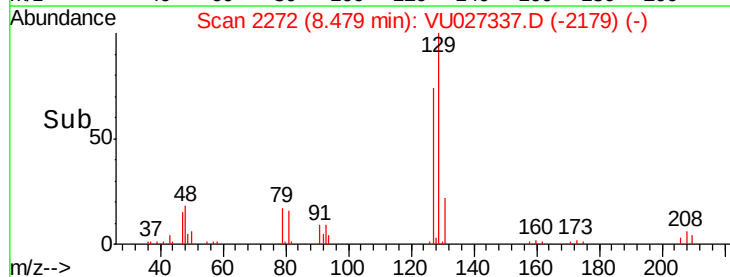
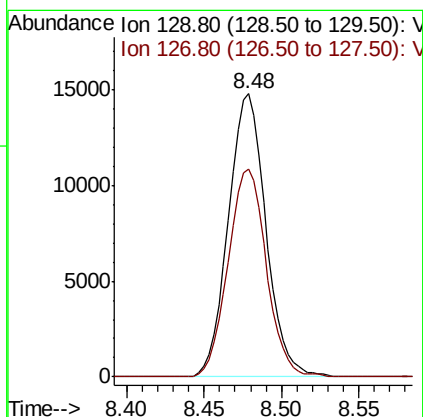
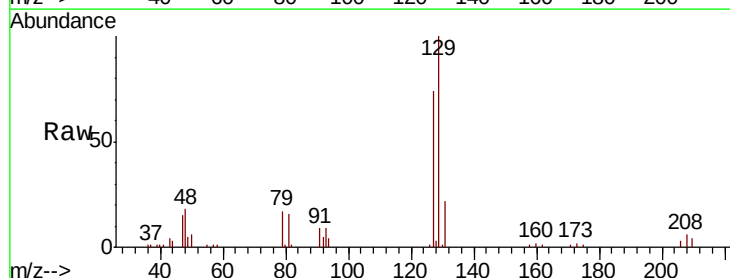
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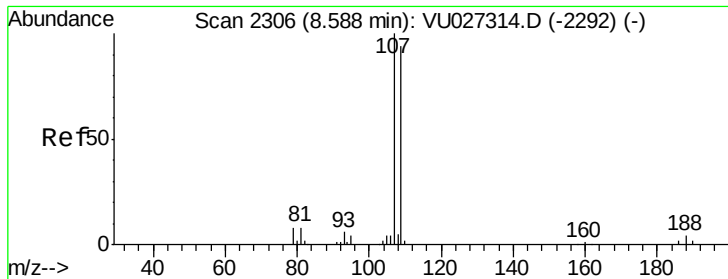
MMDadoda
10/3/2018 6:14:44 PM



#60
Dibromochloromethane
Concen: 19.848 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion: 129 Resp: 24884
Ion Ratio Lower Upper
129 100
127 74.8 39.1 117.2





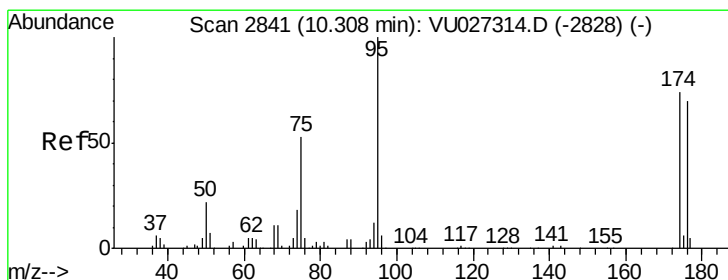
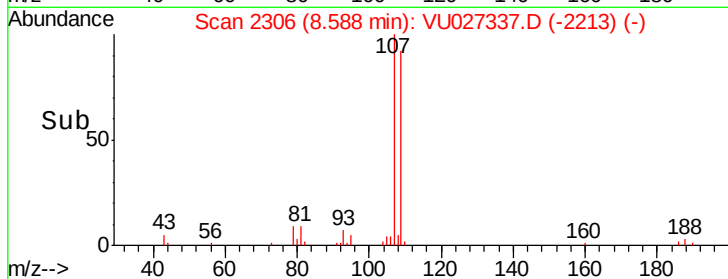
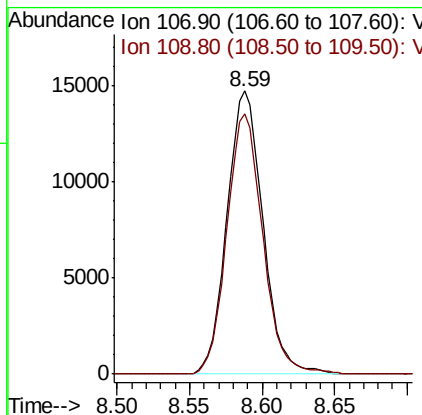
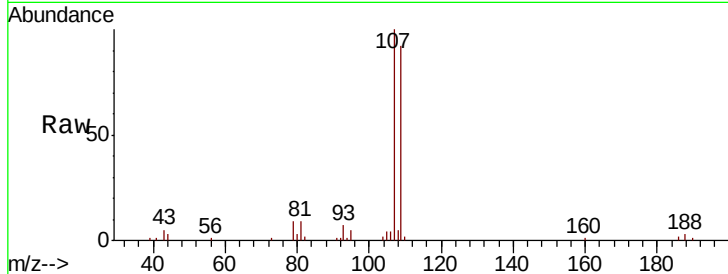
#61
 1,2-Dibromoethane
 Concen: 19.142 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion:107 Resp: 25442
 Ion Ratio Lower Upper
 107 100
 109 91.8 74.5 111.7

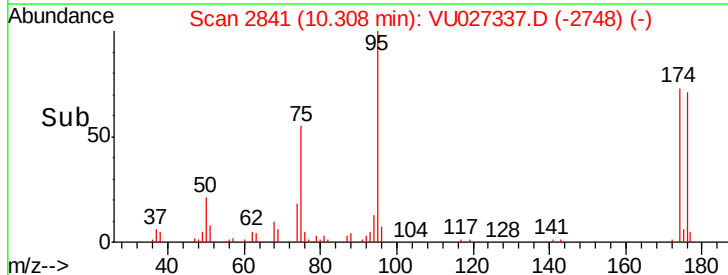
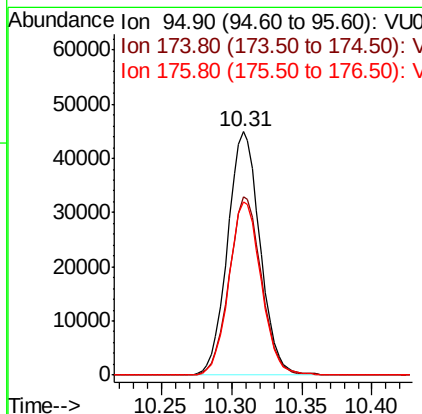
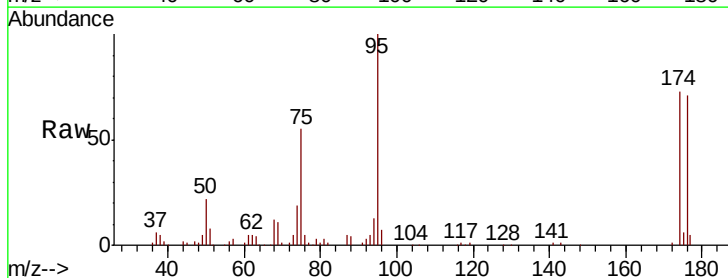
Manual Integrations
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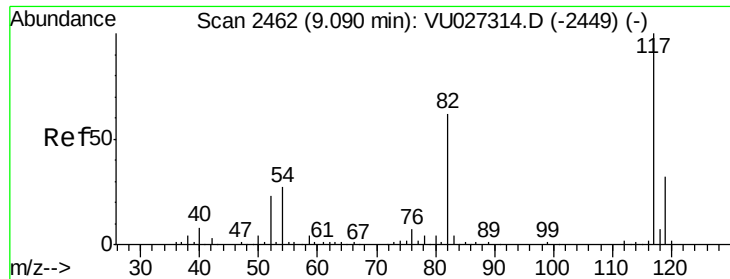
MMDadoda
 10/3/2018 6:14:44 PM



#62
 4-Bromofluorobenzene
 Concen: 45.042 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion: 95 Resp: 72315
 Ion Ratio Lower Upper
 95 100
 174 73.1 0.0 147.8
 176 70.7 0.0 140.8





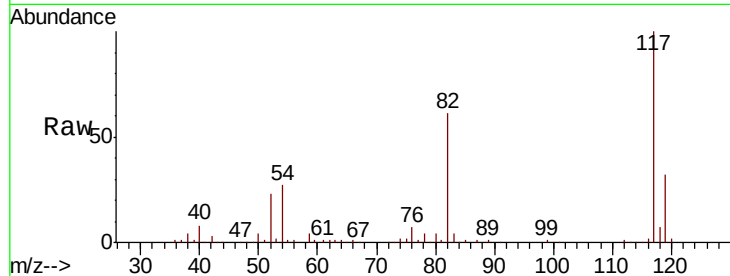
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	49.2	73.8
119	31.7	25.7	38.5

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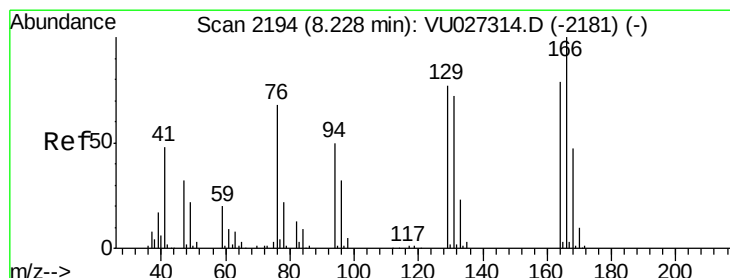
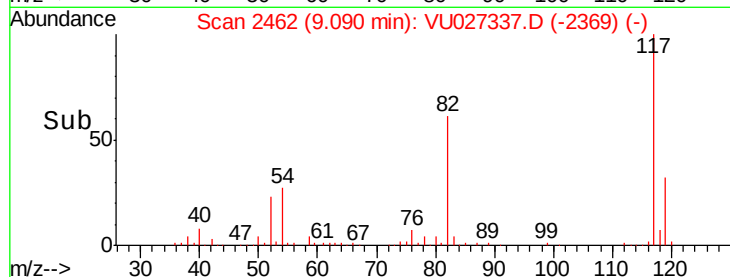
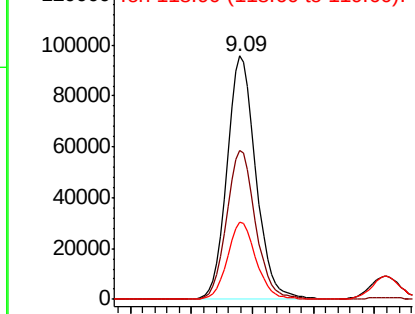


Abundance

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: 19.660 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.0	151.6
129	95.4	78.0	117.0
131	91.7	72.6	109.0

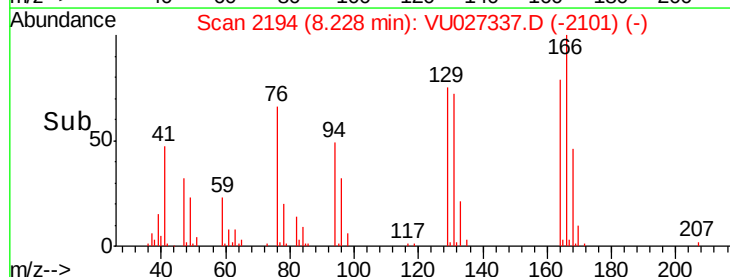
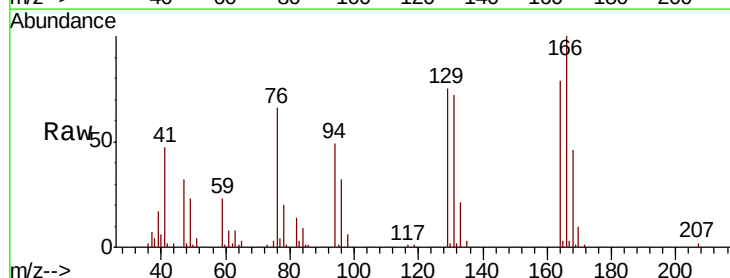
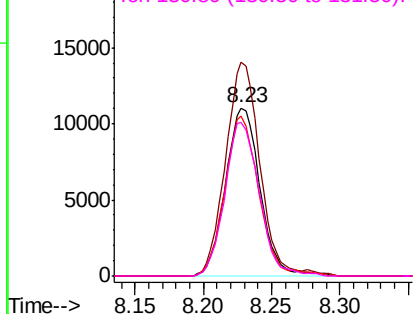
Abundance

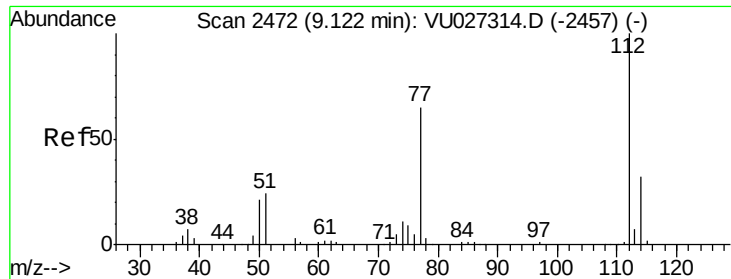
Ion 163.80 (163.50 to 164.50): V

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





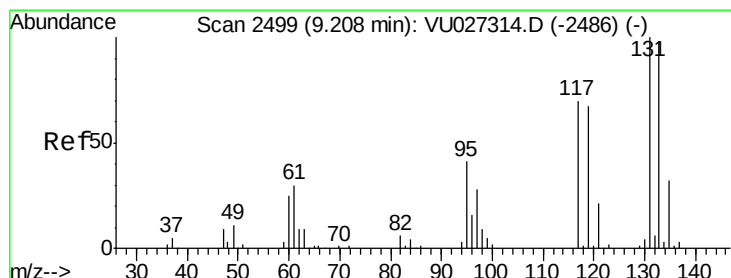
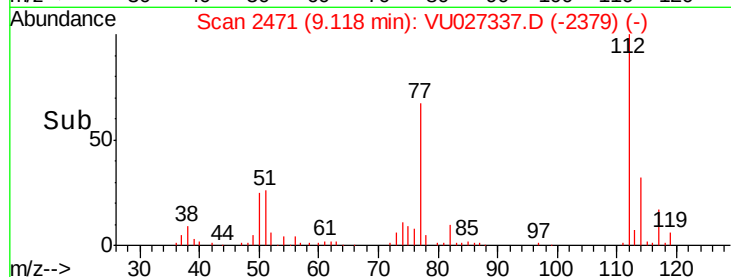
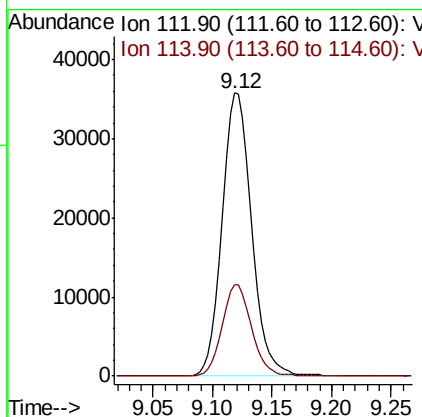
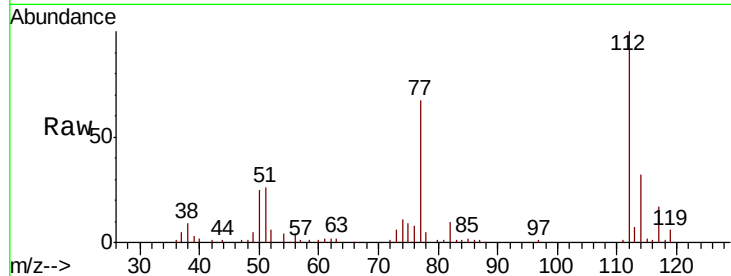
#65
Chlorobenzene
Concen: 18.458 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion:112 Resp: 61656
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6

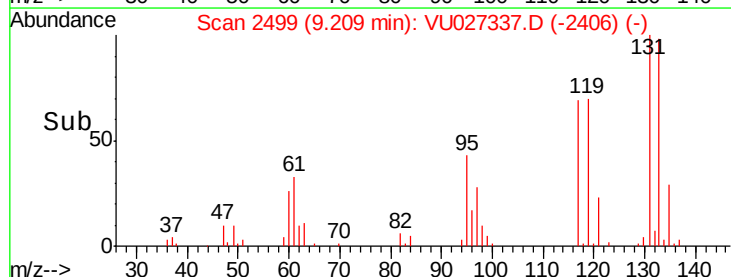
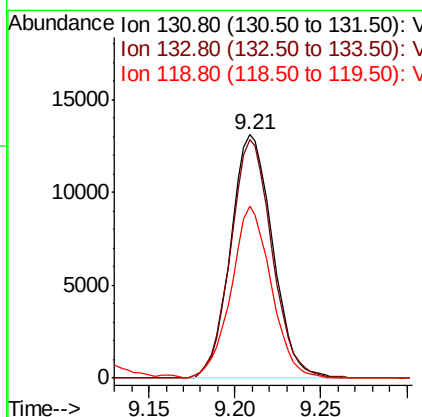
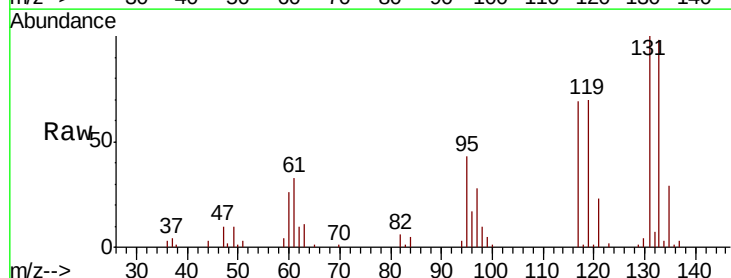
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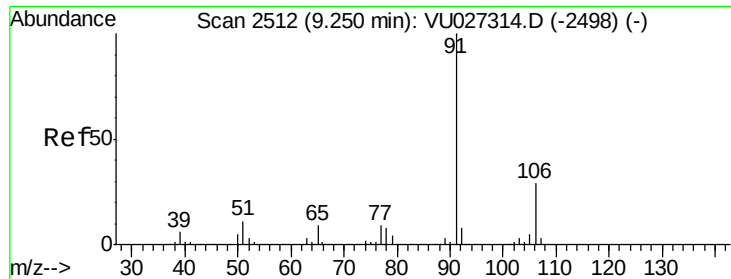
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.331 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion:131 Resp: 22292
Ion Ratio Lower Upper
131 100
133 97.0 48.5 145.6
119 67.5 33.5 100.4





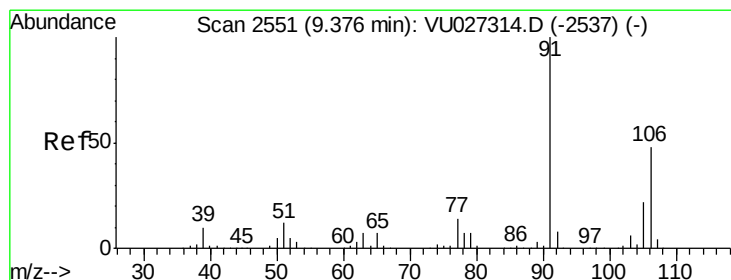
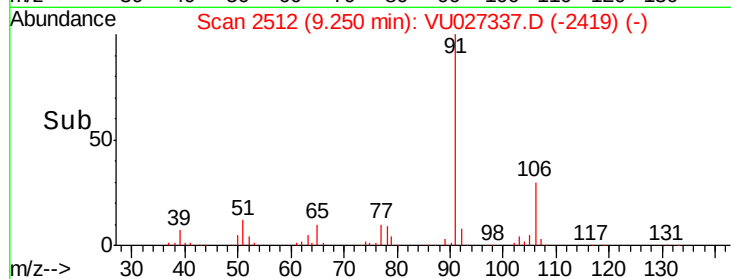
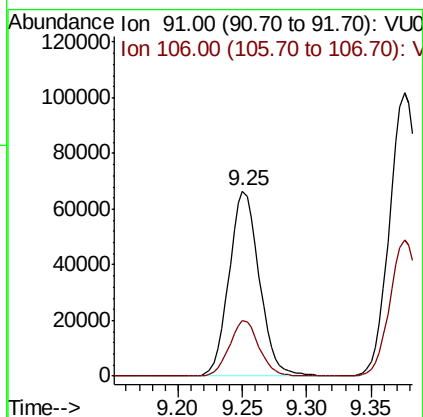
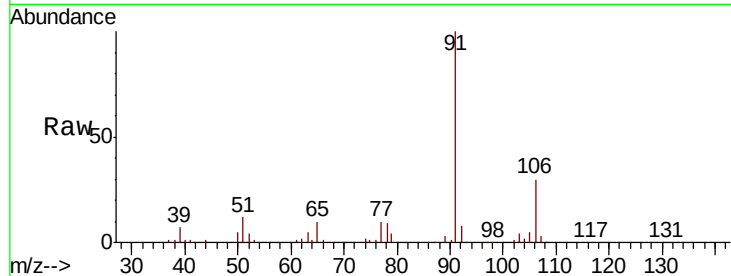
#67
Ethyl Benzene
Concen: 18.302 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion: 91 Resp: 108317
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4

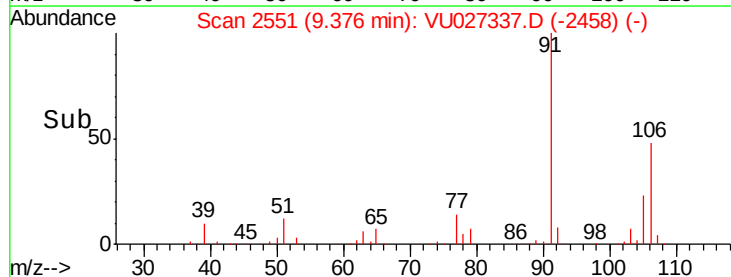
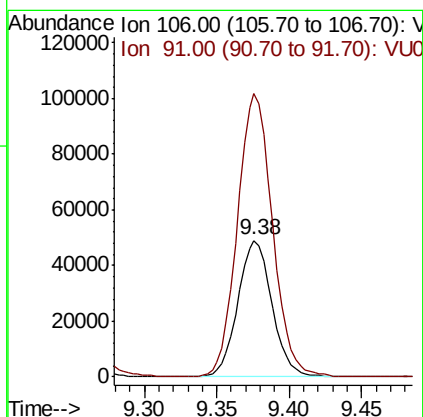
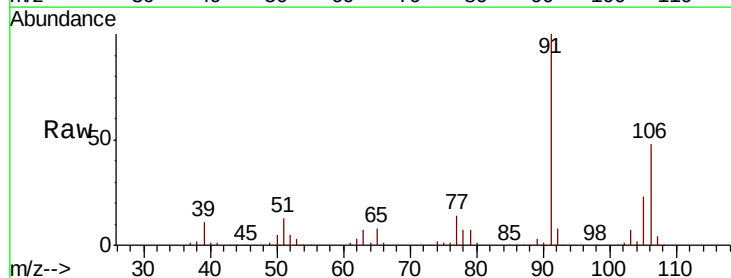
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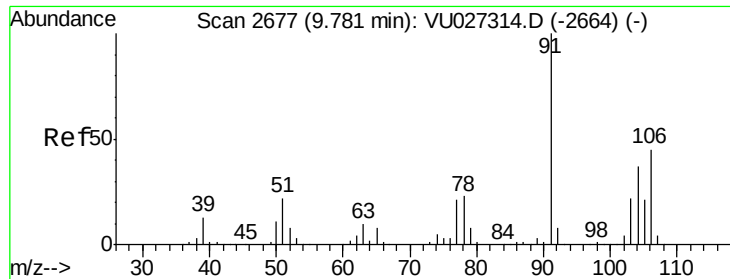
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#68
m/p-Xylenes
Concen: 37.139 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion: 106 Resp: 80397
Ion Ratio Lower Upper
106 100
91 212.1 168.1 252.1





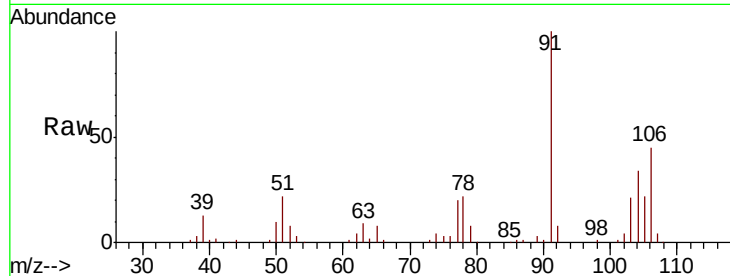
#69
o-Xylene
Concen: 18.864 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

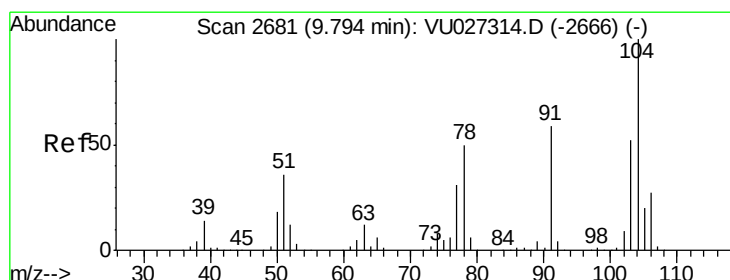
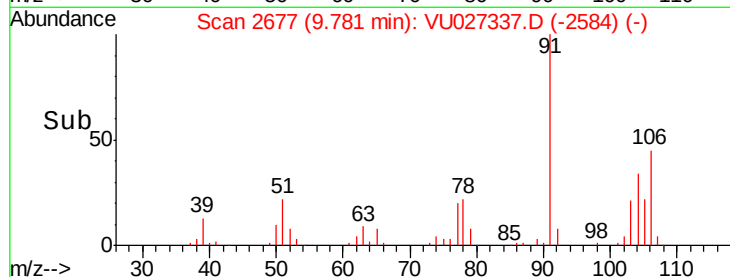
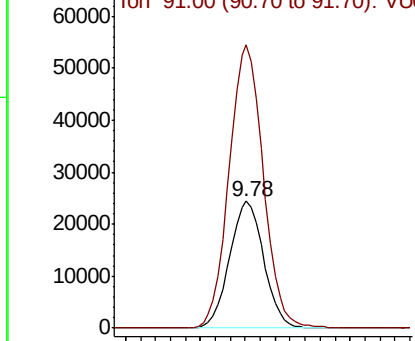
Tot Ion:106 Resp: 38806
Ion Ratio Lower Upper
106 100
91 223.3 111.7 334.9

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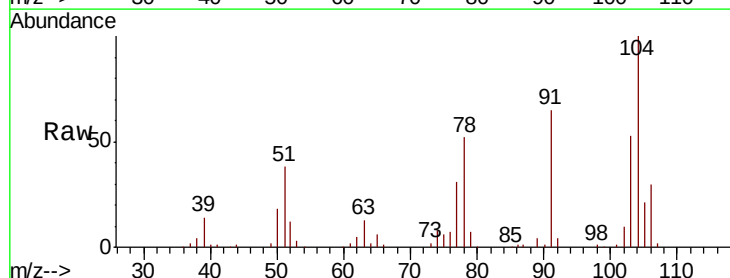


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

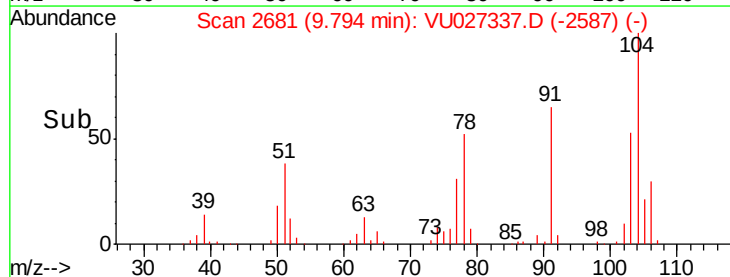
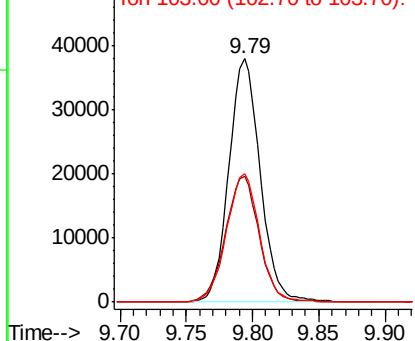


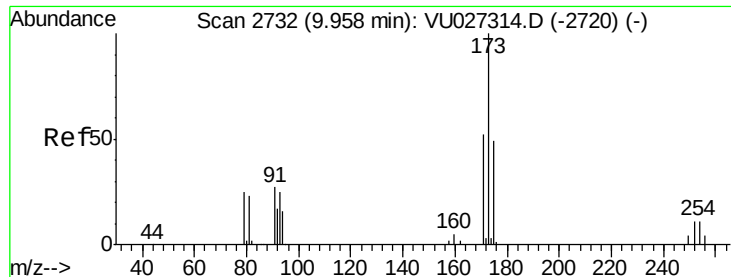
#70
Styrene
Concen: 17.858 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion:104 Resp: 62715
Ion Ratio Lower Upper
104 100
78 55.5 42.9 64.3
103 55.4 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: 18.375 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion:173 Resp: 17048

Ion Ratio Lower Upper

173 100

175 46.5 24.3 73.0

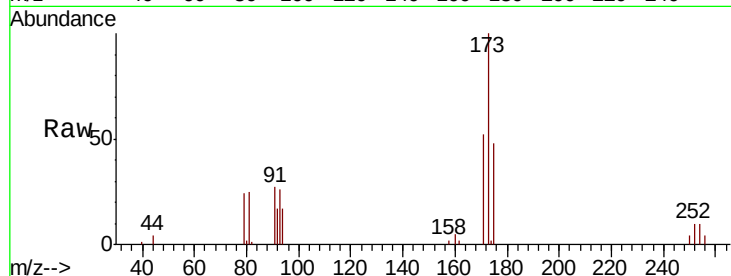
254 0.0 0.0 0.0

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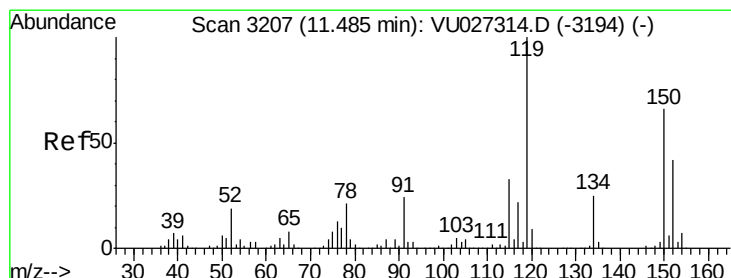
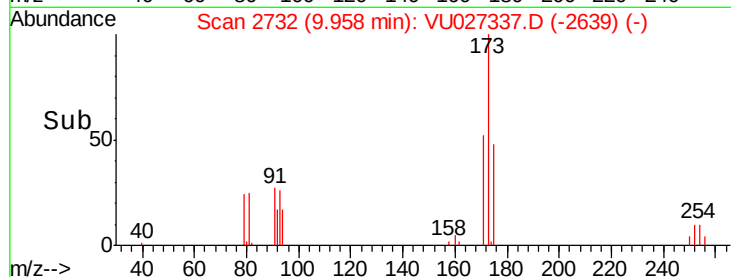
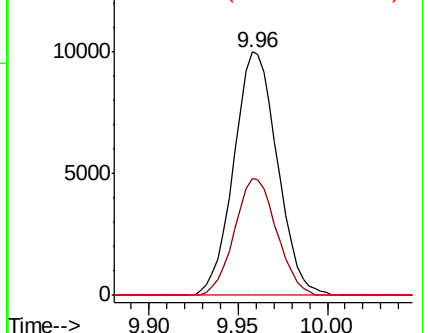
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

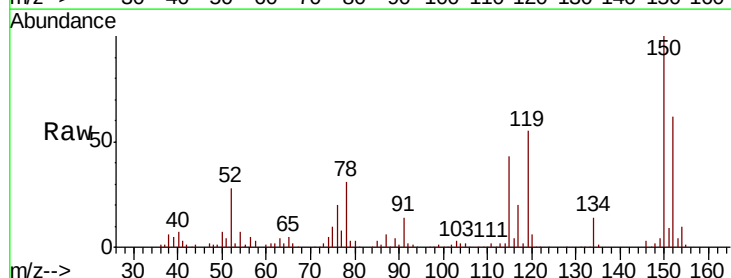
Tgt Ion:152 Resp: 74978

Ion Ratio Lower Upper

152 100

115 71.5 43.4 130.2

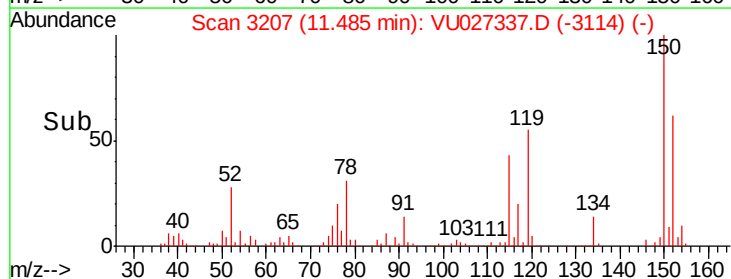
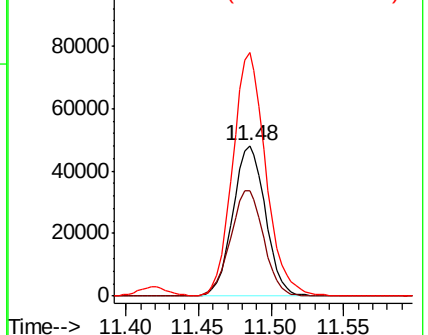
150 163.7 0.0 349.2

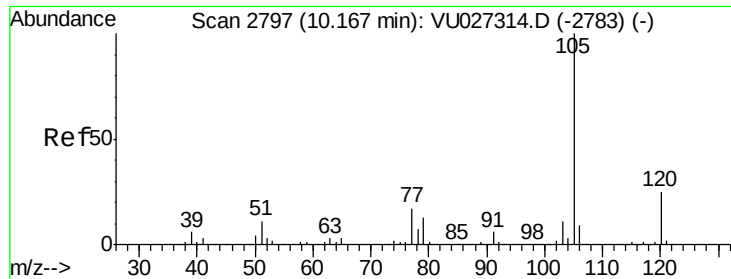


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.334 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 105 Resp: 105284

Ion Ratio Lower Upper

105 100

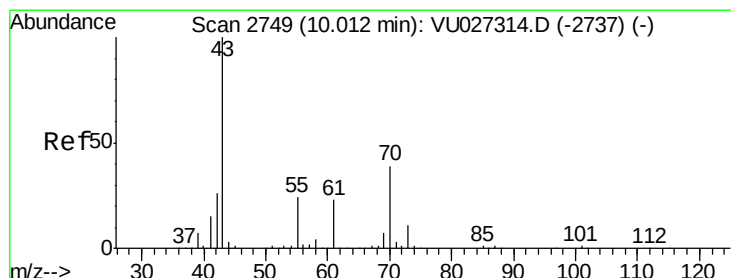
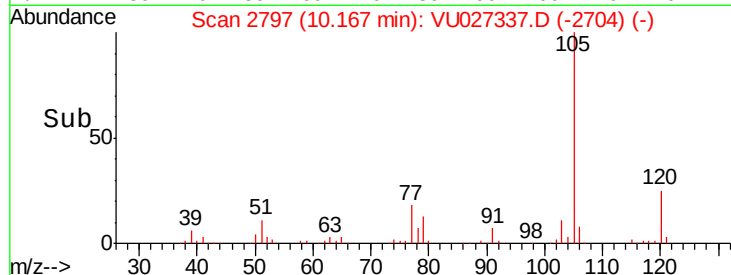
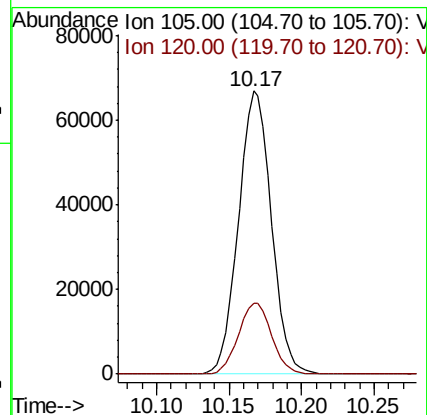
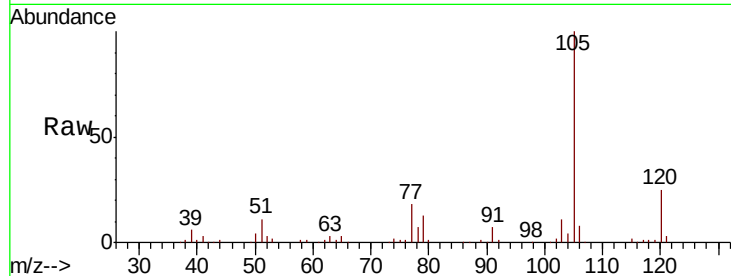
120 25.3 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.504 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion: 43 Resp: 57685

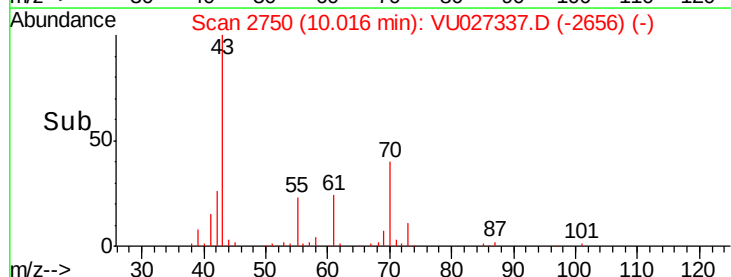
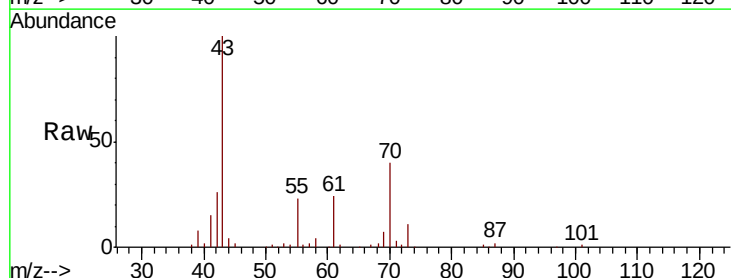
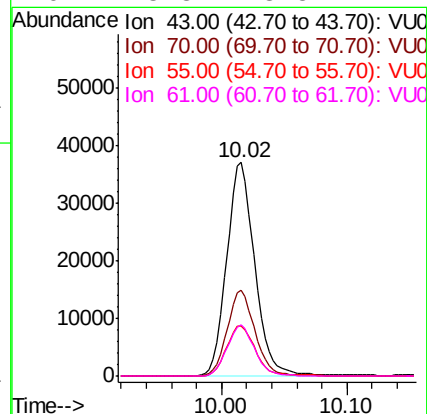
Ion Ratio Lower Upper

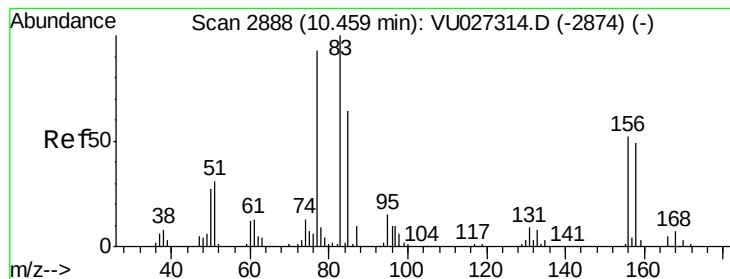
43 100

70 39.6 31.3 46.9

55 23.8 19.0 28.6

61 23.3 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.549 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

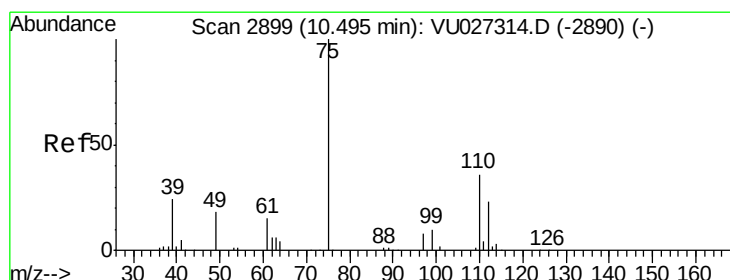
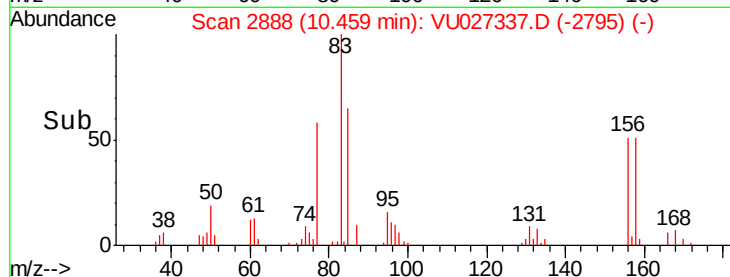
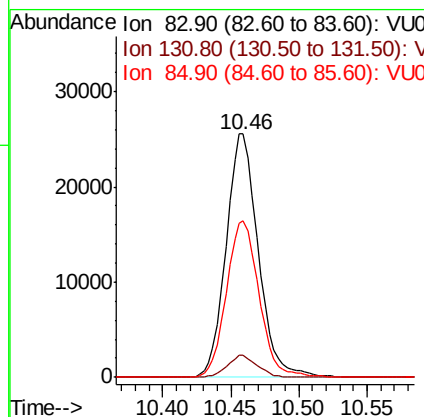
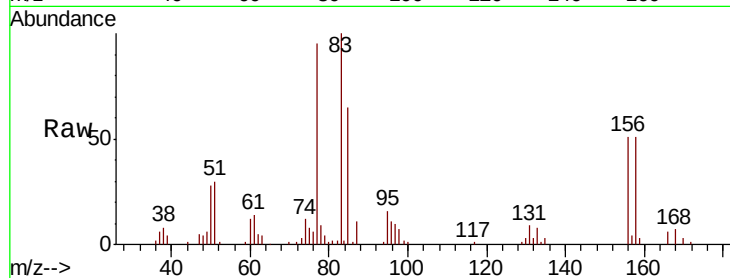
ClientSampleId :

VU1002WBS01

Tot Ion:	83	Resp:	41801
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.4	13.2
85	65.4	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.244 ug/l m

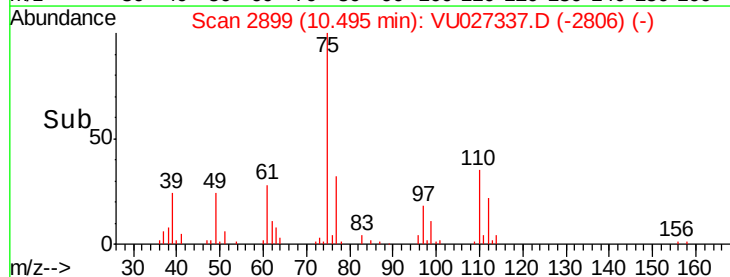
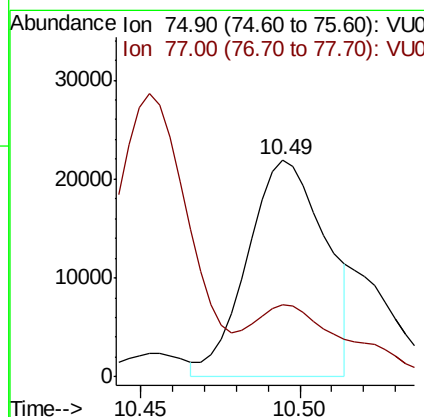
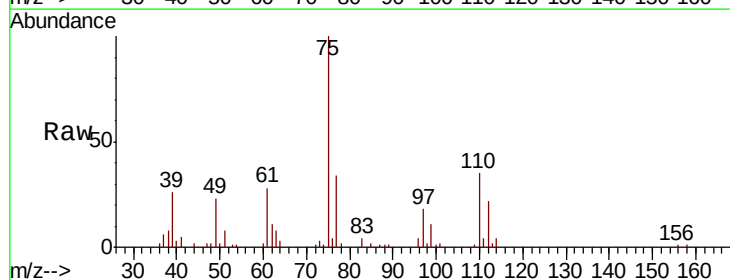
RT: 10.49 min Scan# 2899

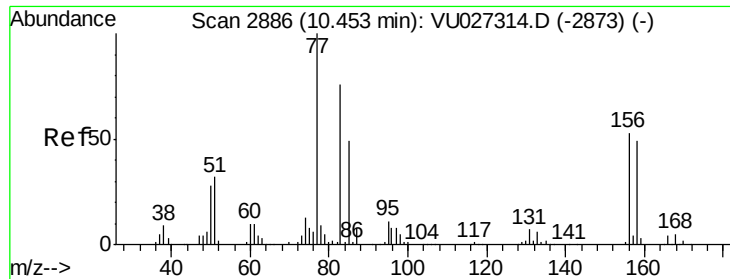
Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Tgt Ion:	75	Resp:	37403
Ion Ratio	Lower	Upper	
75	100		
77	39.8	20.3	60.9





#77

Bromobenzene

Concen: 19.188 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

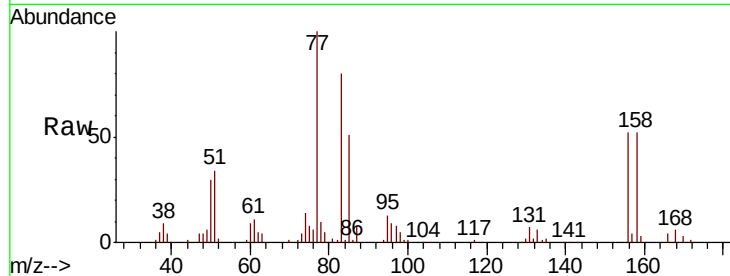
ClientSampleId :

VU1002WBS01

Tot Ion:	156	Resp:	24284
Ion Ratio	Lower	Upper	
156	100		
77	193.0	94.8	284.4
158	98.2	47.4	142.3

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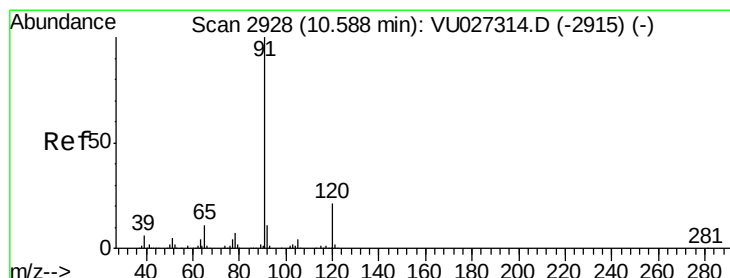
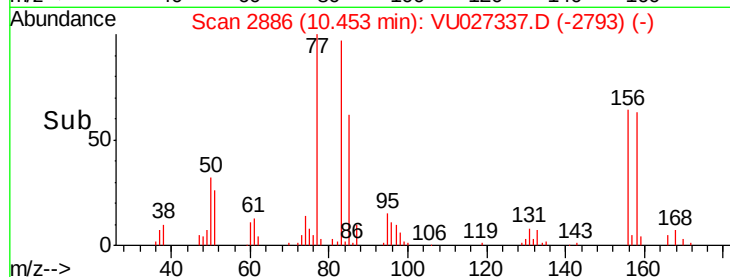
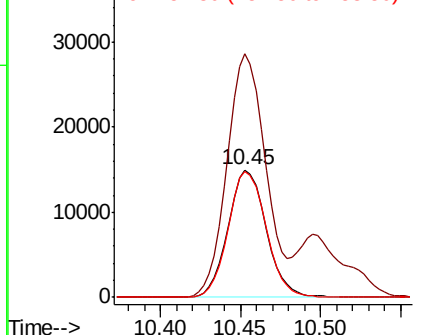
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.019 ug/l

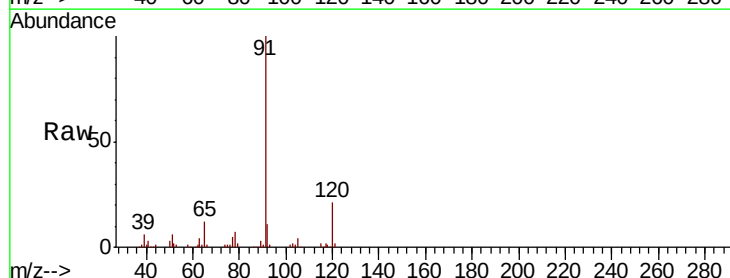
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027337.D

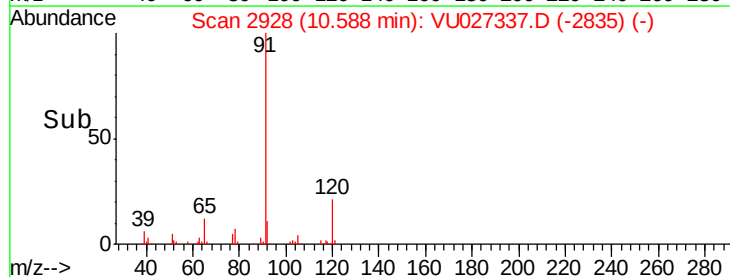
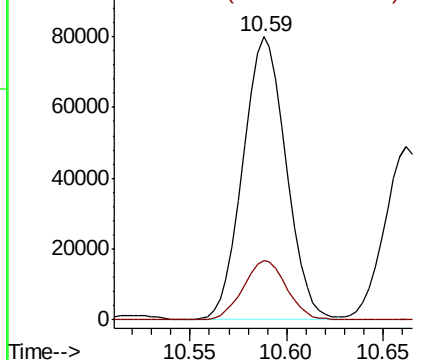
Acq: 02 Oct 2018 10:18

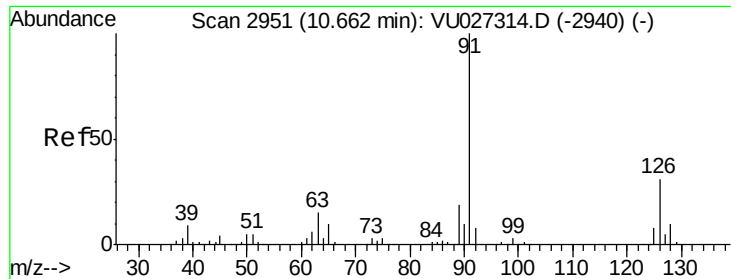
Tgt Ion:	91	Resp:	124451
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.130 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion: 91 Resp: 75582

Ion Ratio Lower Upper

91 100

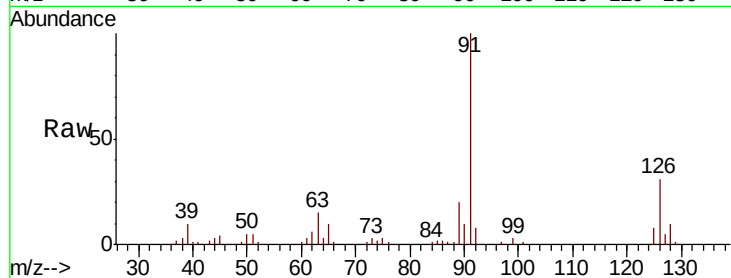
126 30.8 15.7 47.1

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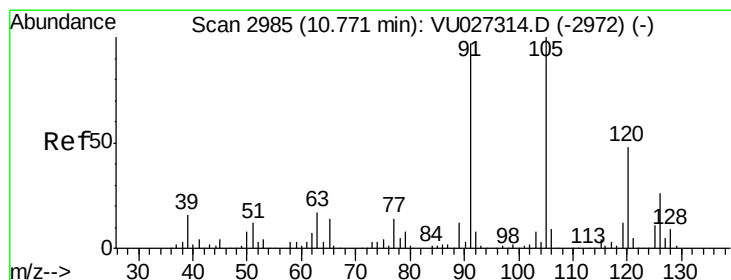
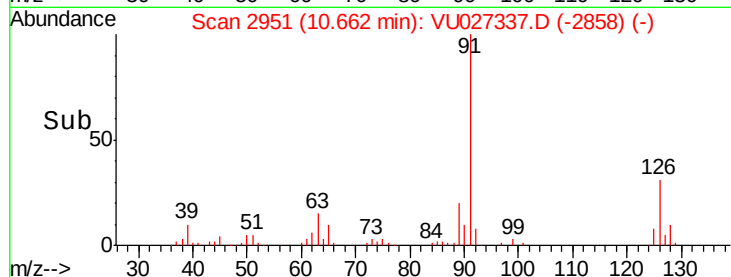
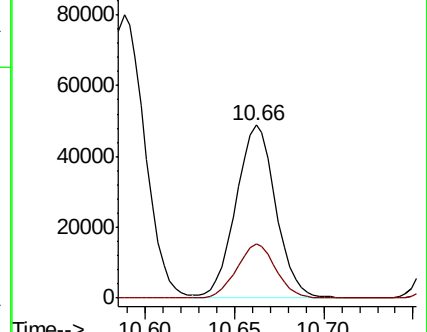
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Abundance Ion 91.00 (90.70 to 91.70): VU027337.D (-2858) (-)

Ion 125.90 (125.60 to 126.60): VU027337.D (-2858) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.681 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027337.D

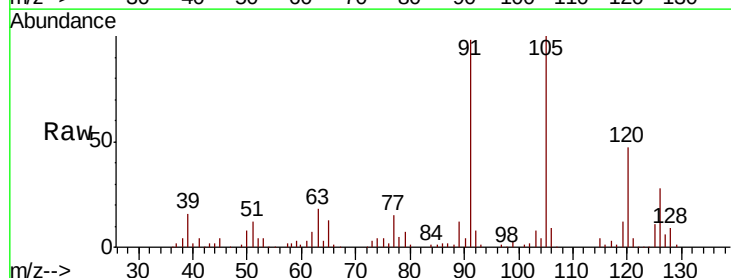
Acq: 02 Oct 2018 10:18

Tgt Ion: 105 Resp: 87256

Ion Ratio Lower Upper

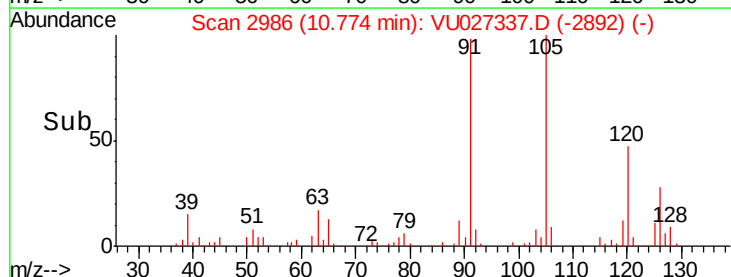
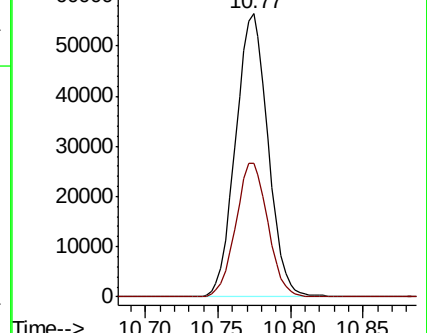
105 100

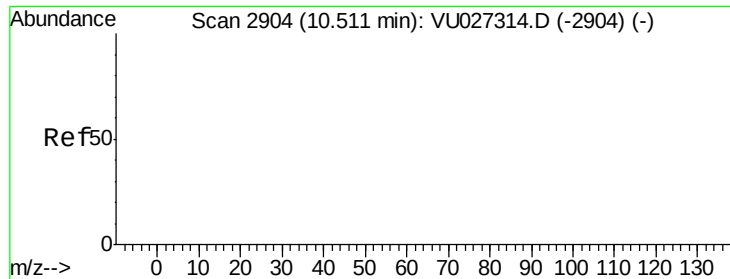
120 46.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027337.D (-2892) (-)

Ion 120.00 (119.70 to 120.70): VU027337.D (-2892) (-)





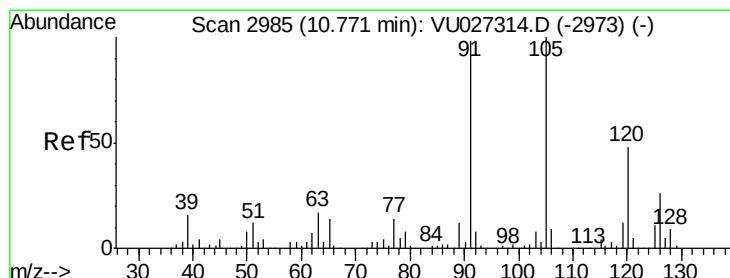
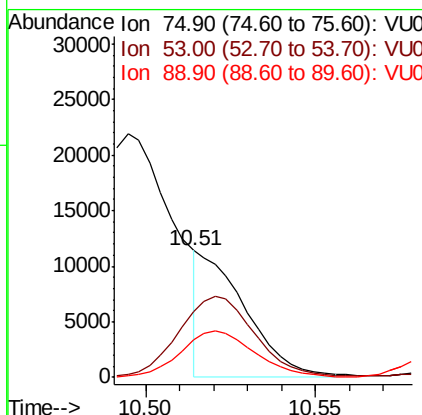
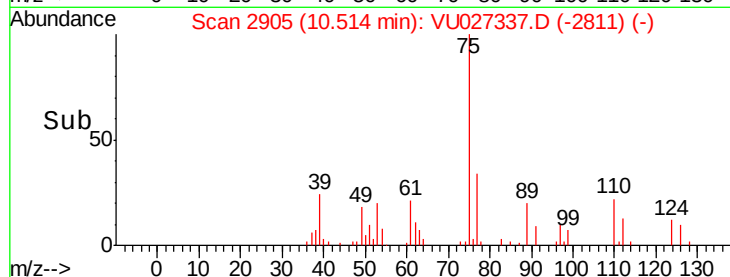
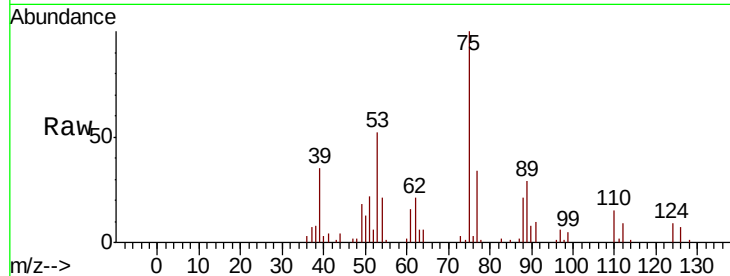
#81
trans-1,4-Dichloro-2-butene
Concen: 14.440 ug/l m
RT: 10.51 min Scan# 2905
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

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

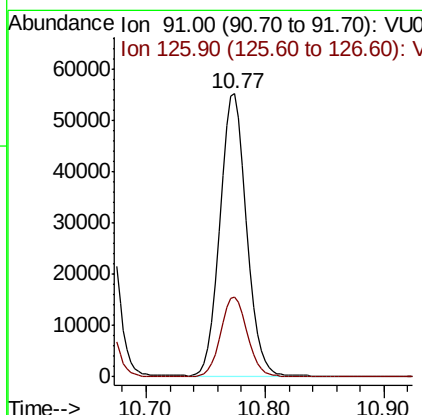
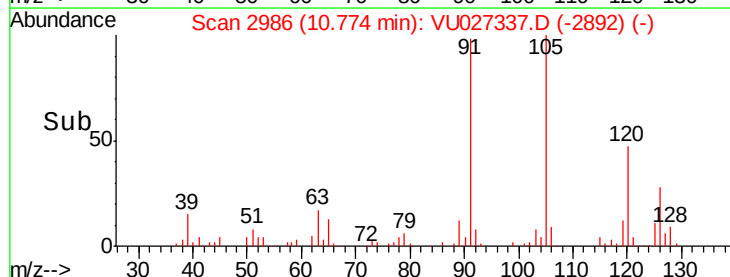
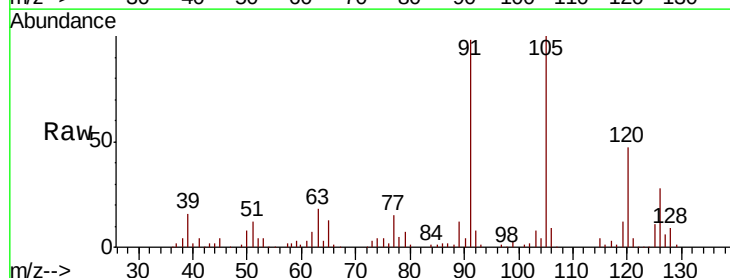
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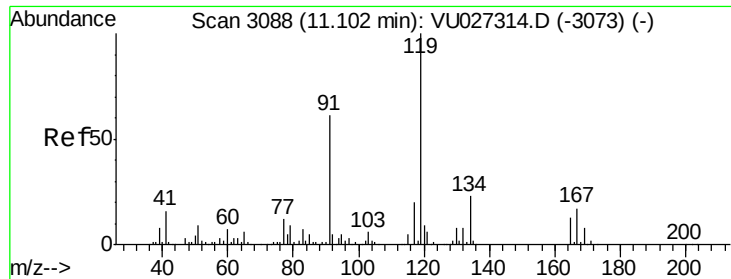
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#82
4-Chlorotoluene
Concen: 19.213 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.6	40.8





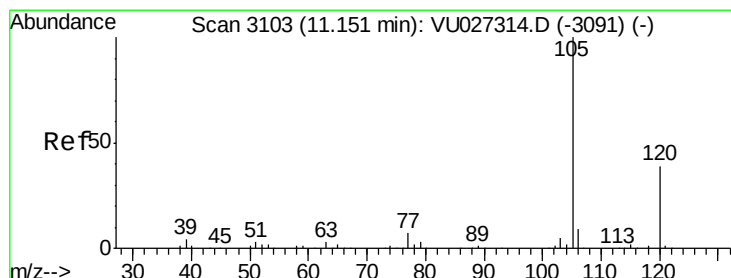
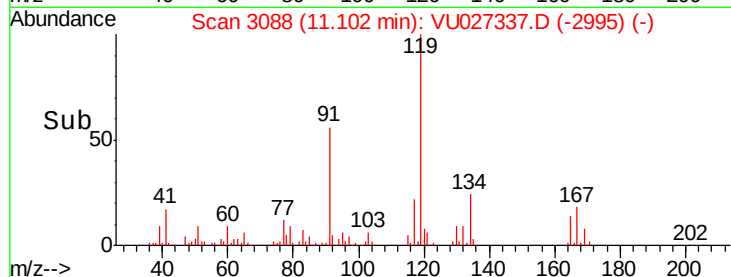
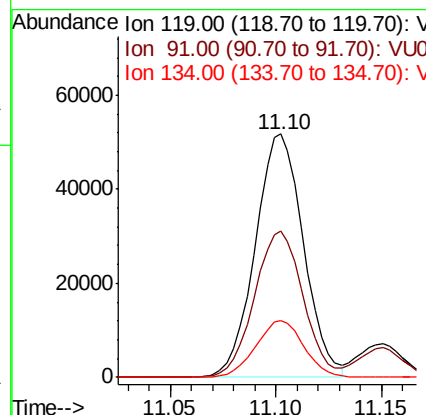
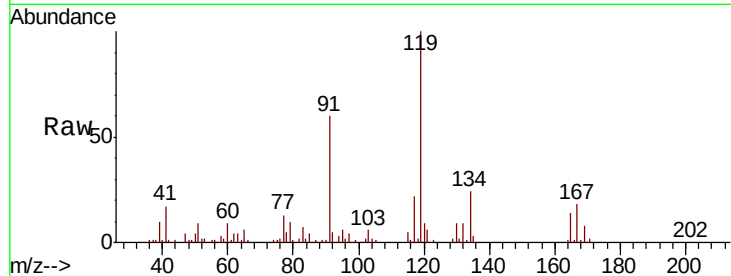
#83
tert-Butylbenzene
Concen: 19.178 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.3	91.0
134	23.1	11.5	34.4

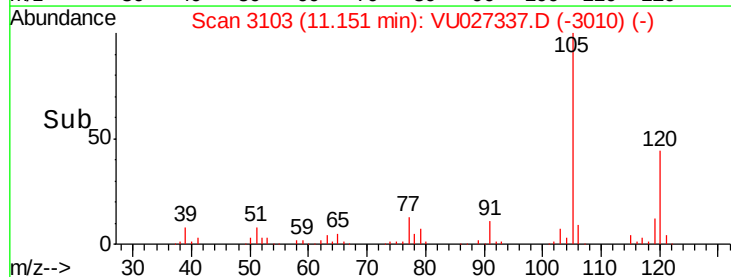
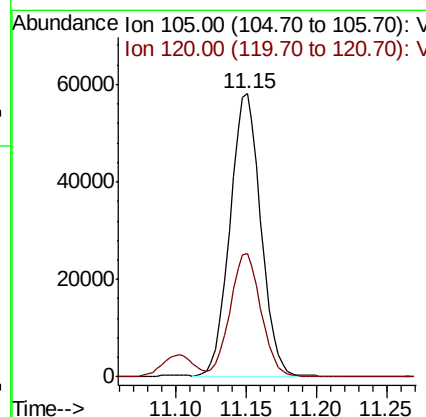
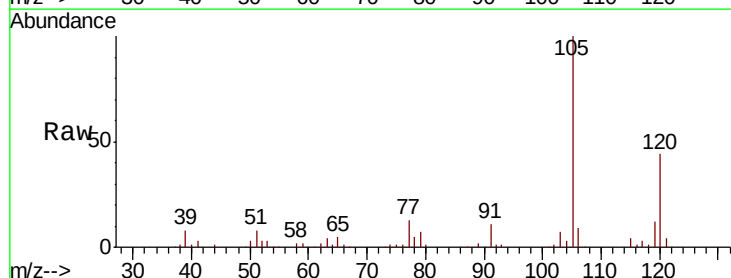
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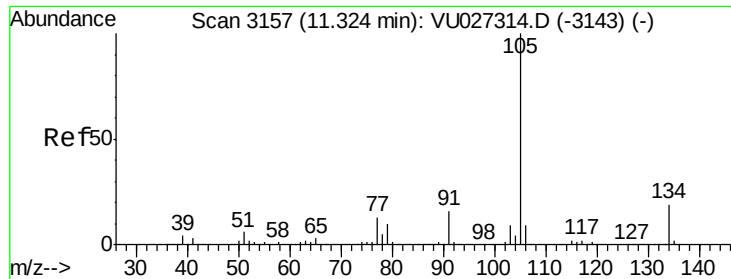
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#84
1,2,4-Trimethylbenzene
Concen: 19.526 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.1	66.5





#85

sec-Butylbenzene

Concen: 19.036 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

Instrument :

MSVOA_U

ClientSampleId :

VU1002WBS01

Tot Ion:105 Resp: 102797

Ion Ratio Lower Upper

105 100

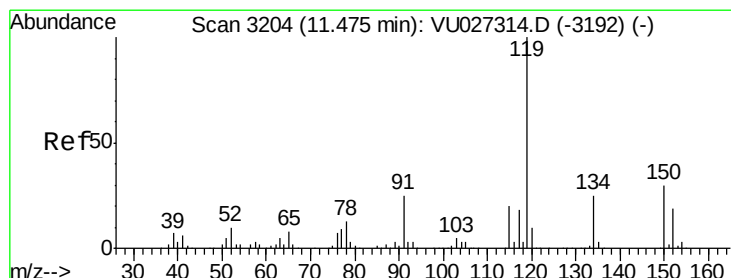
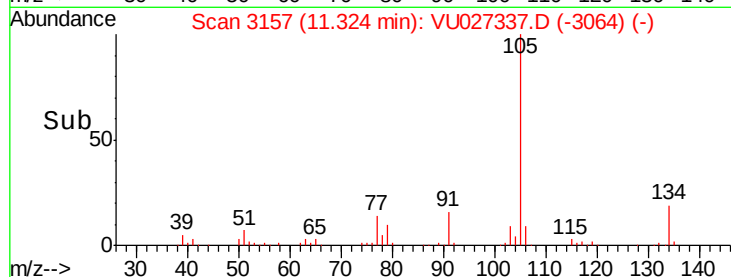
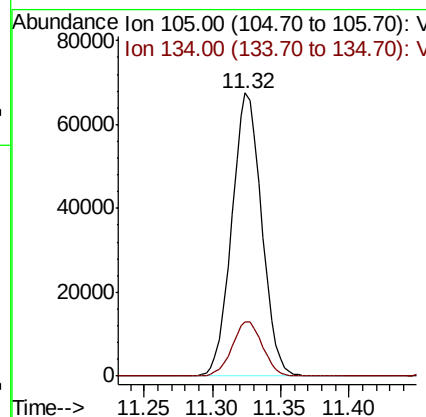
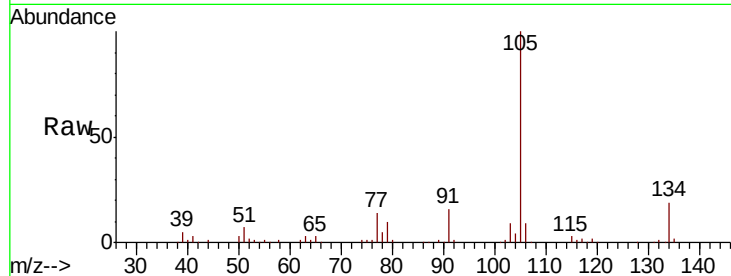
134 19.4 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 19.119 ug/l

RT: 11.48 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VU027337.D

Acq: 02 Oct 2018 10:18

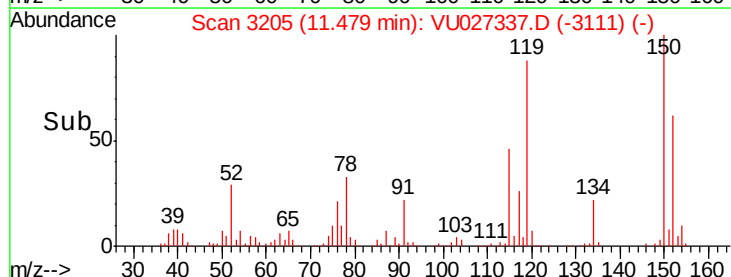
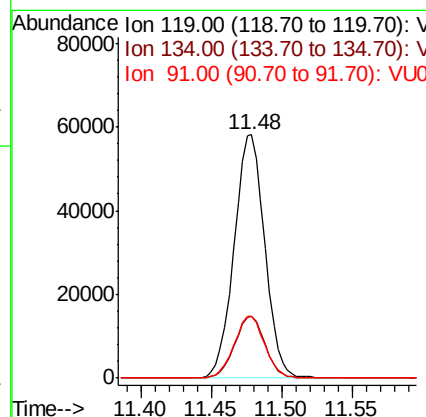
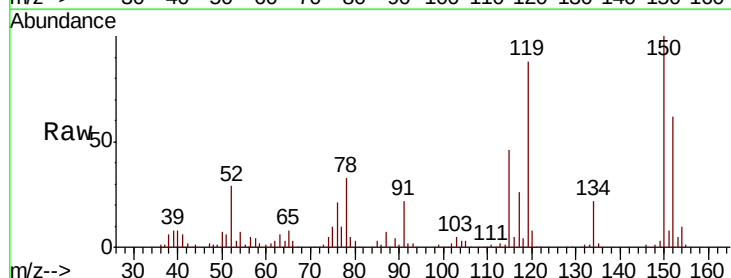
Tgt Ion:119 Resp: 88400

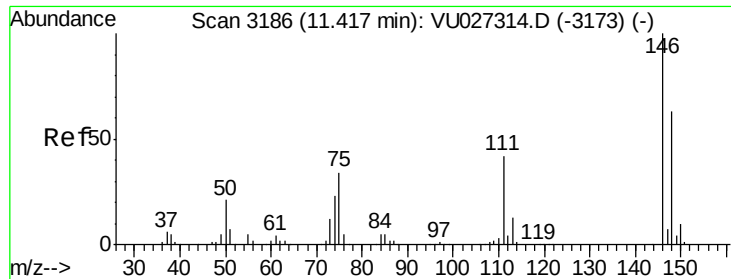
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 25.3 12.2 36.4





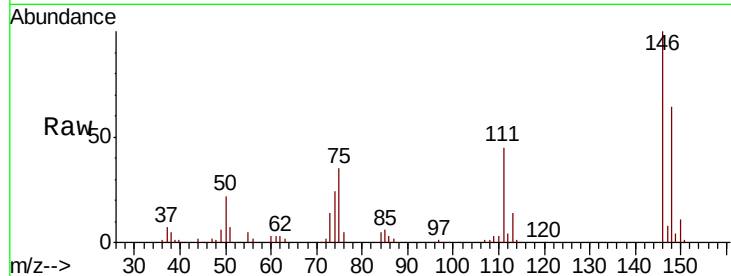
#87
 1,3-Dichlorobenzene
 Concen: 18.198 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

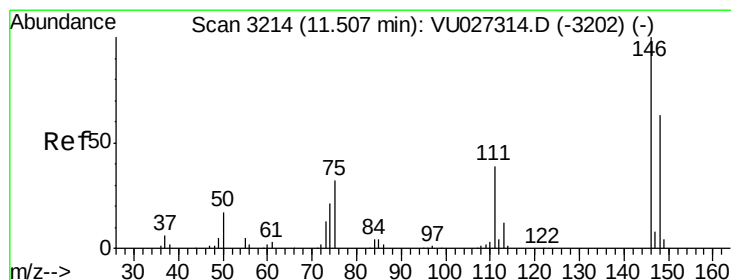
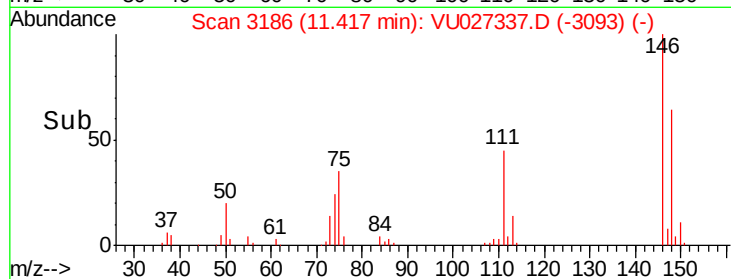
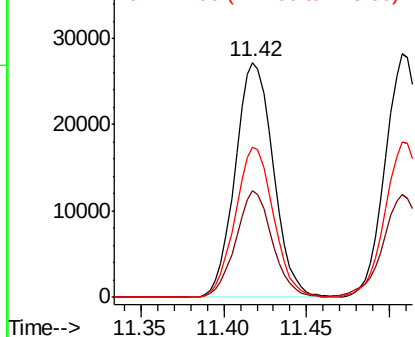
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.8	62.5
148	63.7	31.6	94.8

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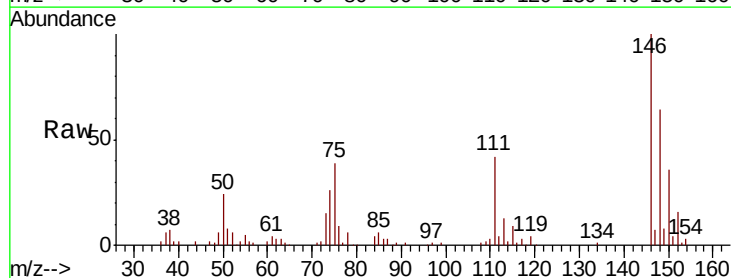


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

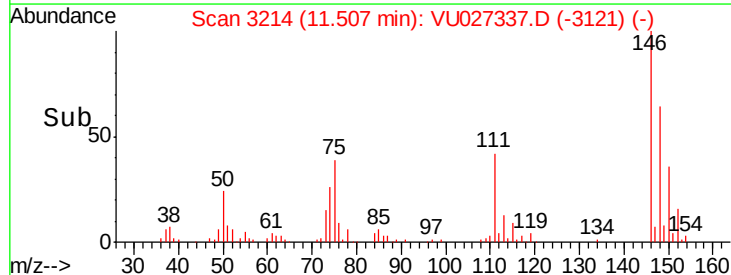
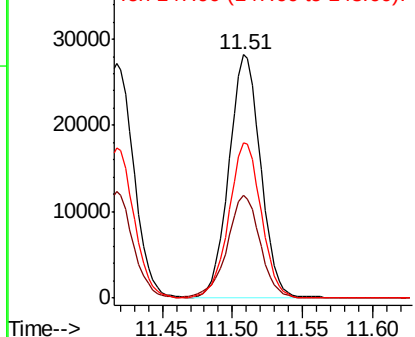


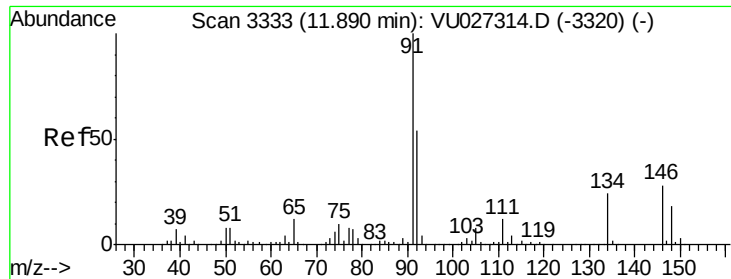
#88
 1,4-Dichlorobenzene
 Concen: 18.156 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.4	61.2
148	65.1	31.9	95.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





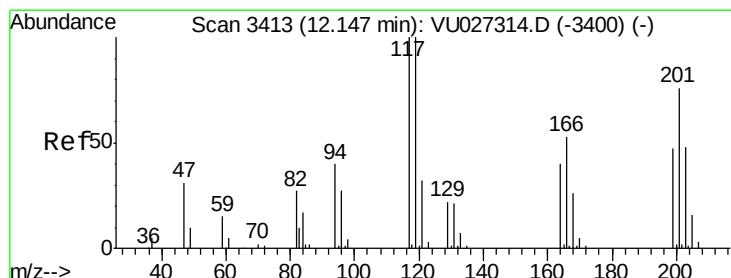
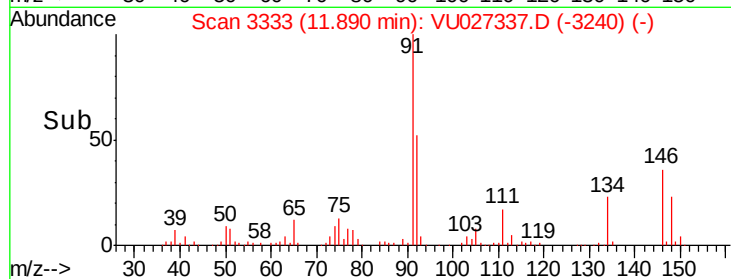
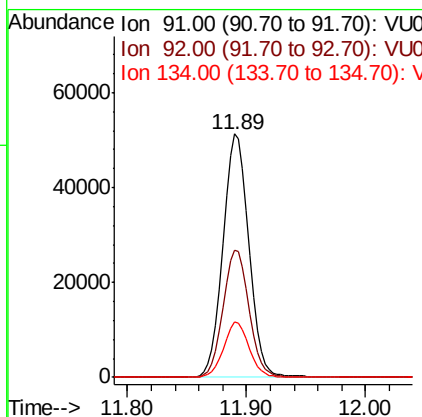
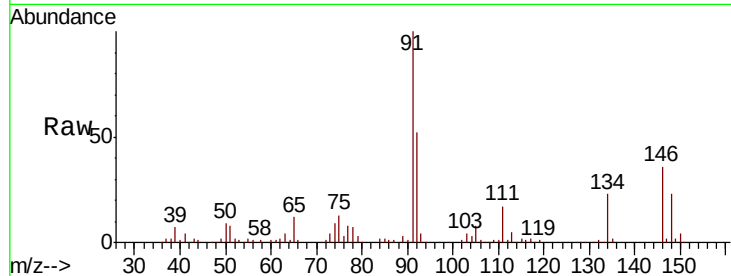
#89
n-Butylbenzene
Concen: 17.138 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		77547		
92	52.3	27.0	81.0		
134	22.1	11.7	35.1		

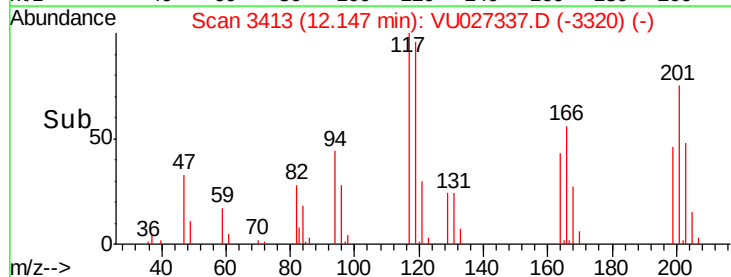
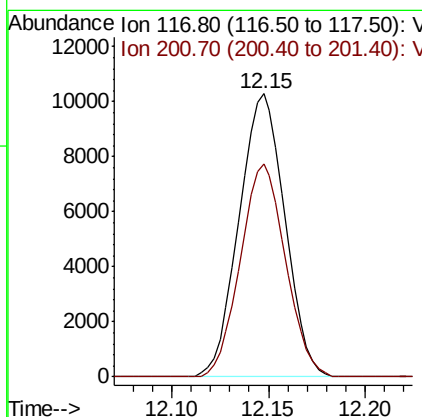
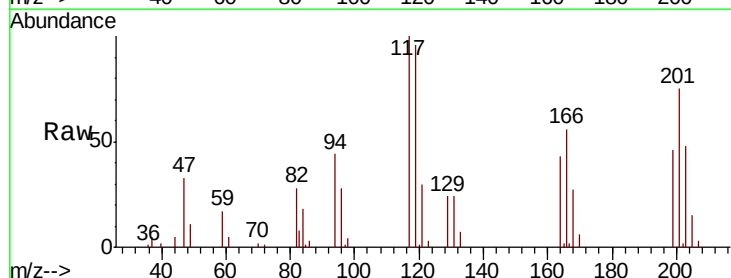
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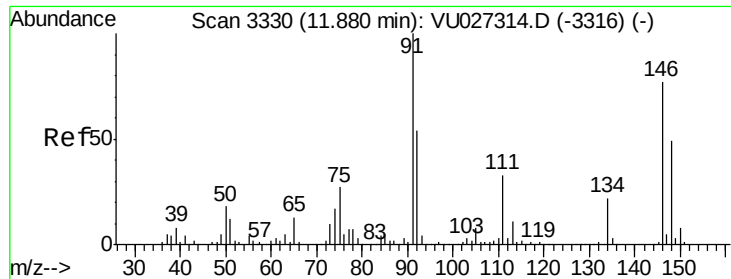
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#90
Hexachloroethane
Concen: 19.496 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		16992		
201	73.9	37.9	113.6		





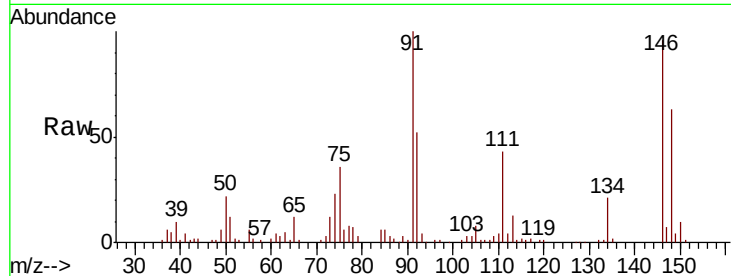
#91
 1,2-Dichlorobenzene
 Concen: 18.611 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

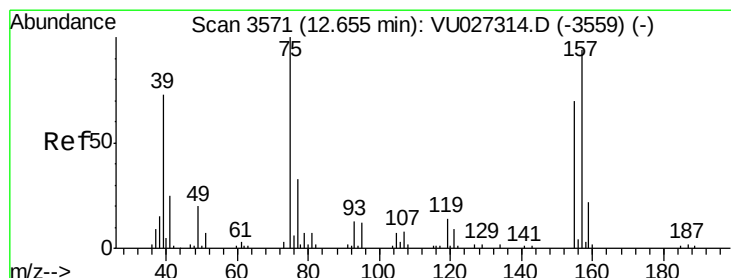
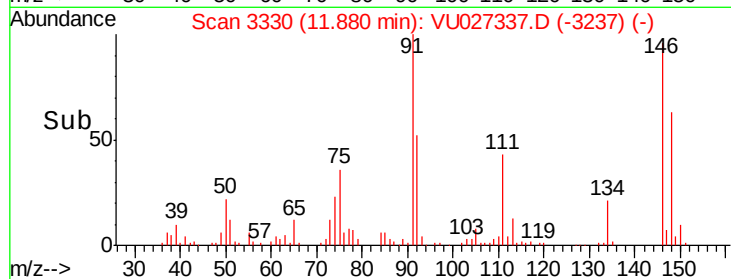
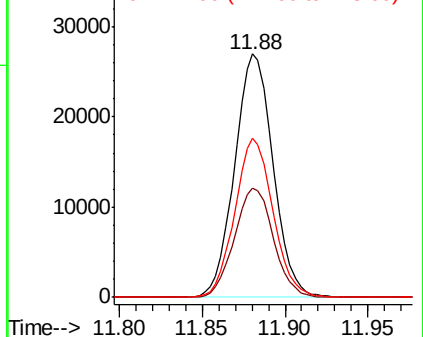
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.8	65.4
148	65.0	31.9	95.5

Manual Integrations
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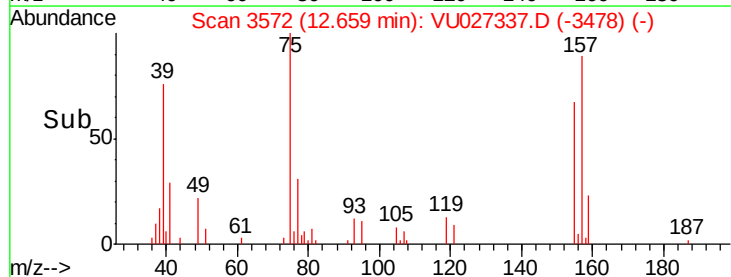
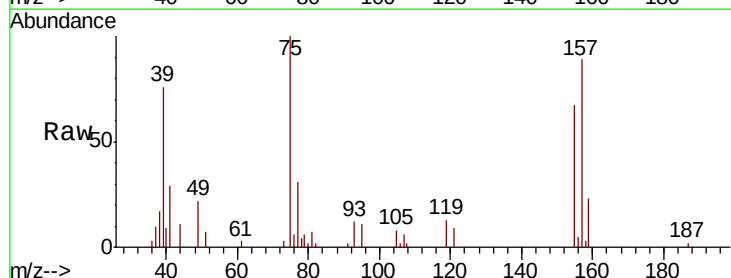
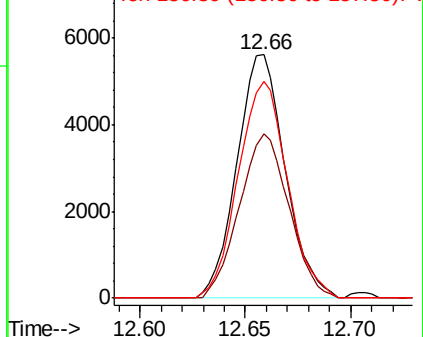
Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

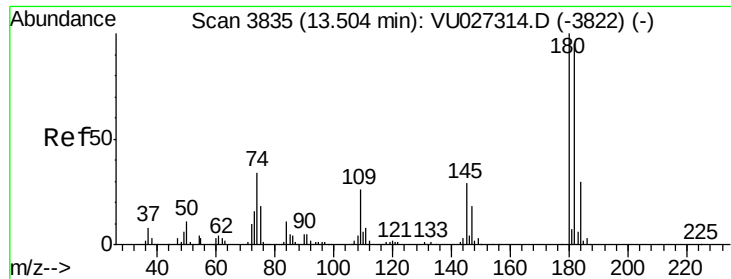


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.888 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	35.9	107.8
157	90.7	46.9	140.6

Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





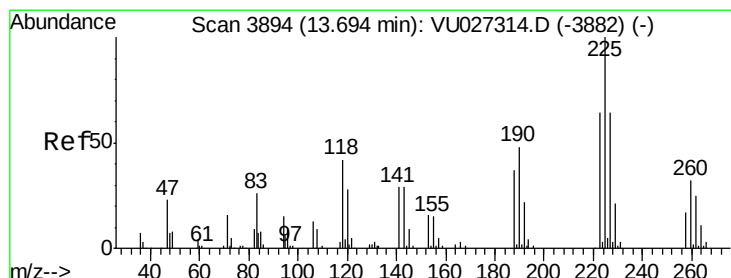
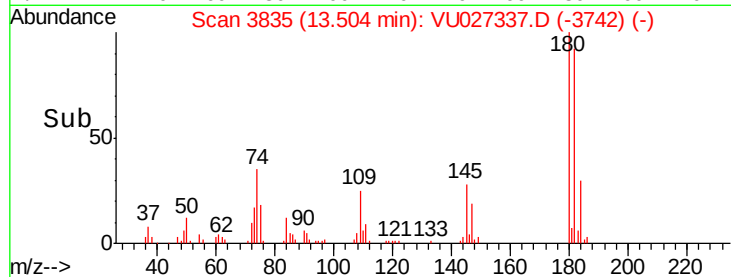
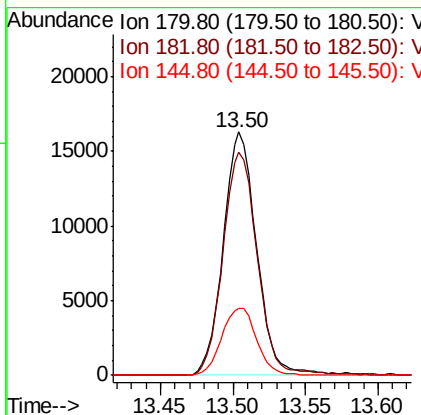
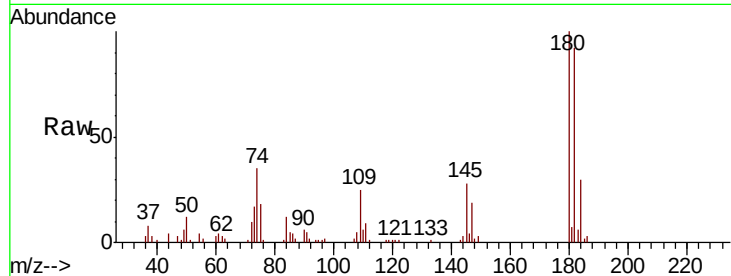
#93
 1,2,4-Trichlorobenzene
 Concen: 17.269 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1002WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	47.4	142.3
145	28.8	14.6	44.0

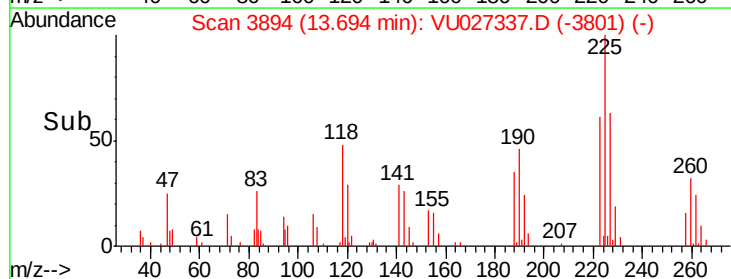
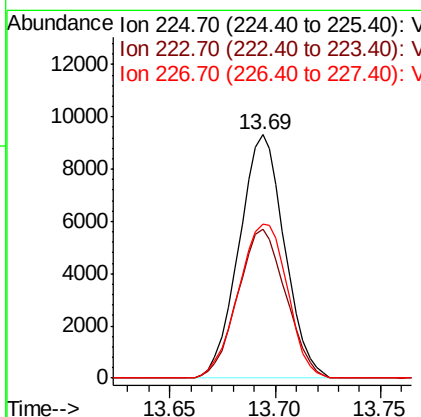
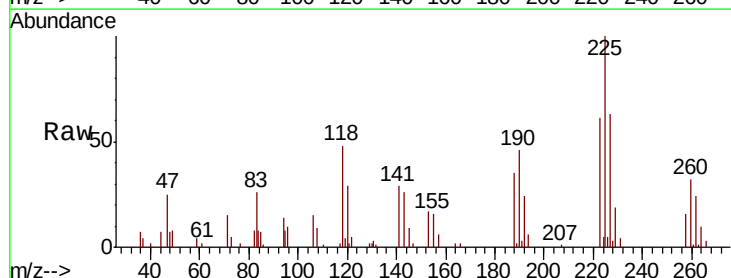
Manual Integrations
 APPROVED

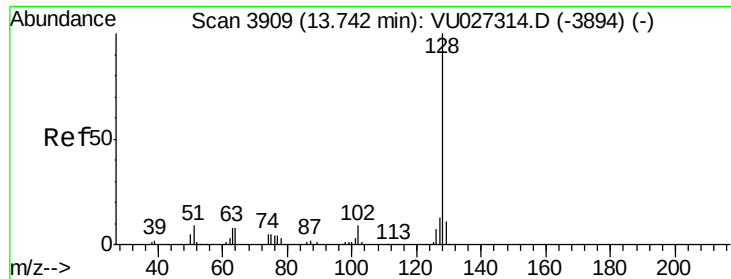
MMDadoda
 10/3/2018 6:14:44 PM



#94
 Hexachlorobutadiene
 Concen: 18.315 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027337.D
 Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.8	95.3
227	68.2	31.9	95.7





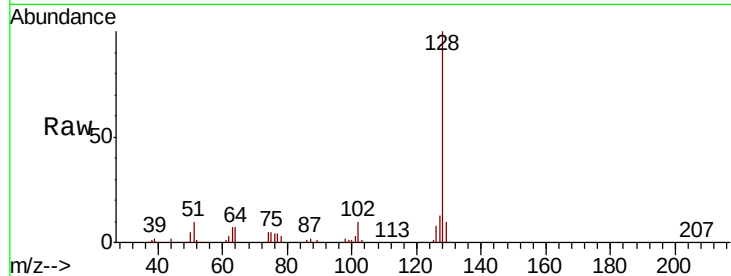
#95
Naphthalene
Concen: 16.335 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Instrument :
MSVOA_U
ClientSampleId :
VU1002WBS01

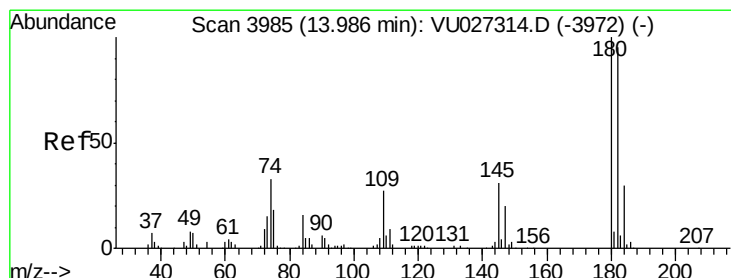
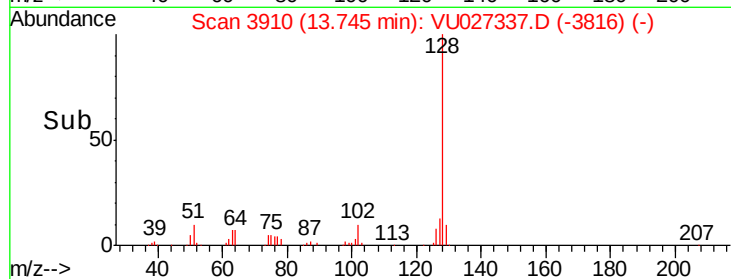
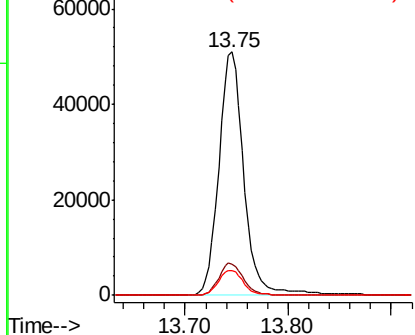
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
APPROVED

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

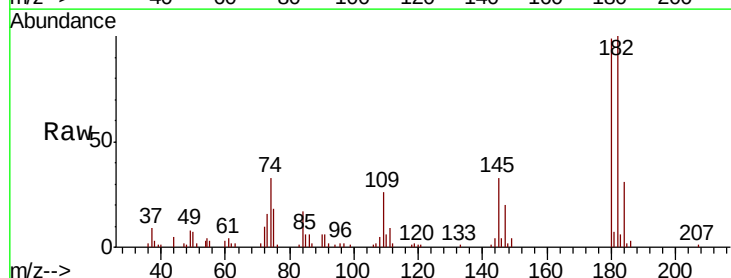


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.283 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027337.D
Acq: 02 Oct 2018 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.4	142.2
145	32.9	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

