

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027367.D
 Acq On : 03 Oct 2018 19:56
 Operator : MD/SY
 Sample : VU1004WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:27 PM

Quant Time: Oct 04 00:13:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	107488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	181676	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	86599	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	4.89	113	61927	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	7.57	98	231899	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	10.31	95	80509	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	30499	19.681	ug/l	96
3) Chloromethane	1.33	50	40580	19.342	ug/l	97
4) Vinyl Chloride	1.40	62	37355	18.941	ug/l	98
5) Bromomethane	1.62	94	18992	22.255	ug/l	98
6) Chloroethane	1.70	64	21416	18.071	ug/l	97
7) Trichlorofluoromethane	1.89	101	40006	19.992	ug/l	98
8) Diethyl Ether	2.11	74	17578	19.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22704	19.537	ug/l	99
10) Methyl Iodide	2.41	142	26290	29.875	ug/l	99
11) Tert butyl alcohol	2.83	59	34040	90.060	ug/l	100
12) 1,1-Dichloroethene	2.29	96	21336	18.792	ug/l	99
13) Acrolein	2.20	56	13408	42.276	ug/l	97
14) Allyl chloride	2.59	41	47772	17.718	ug/l	98
15) Acrylonitrile	2.94	53	96466	98.059	ug/l	99
16) Acetone	2.32	43	89028	83.962	ug/l	99
17) Carbon Disulfide	2.48	76	71055	17.352	ug/l	99
18) Methyl Acetate	2.62	43	50978	21.075	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	83469	18.347	ug/l	98
20) Methylene Chloride	2.70	84	30120	20.393	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	23820	18.687	ug/l	99
22) Diisopropyl ether	3.58	45	105960	19.336	ug/l	95
23) Vinyl Acetate	3.53	43	438118	91.547	ug/l	100
24) 1,1-Dichloroethane	3.45	63	55578	19.728	ug/l	98
25) 2-Butanone	4.27	43	133075	92.034	ug/l	100
26) 2,2-Dichloropropane	4.23	77	41337	17.857	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	27298	18.726	ug/l	98
28) Bromochloromethane	4.55	49	28666	21.091	ug/l	100
29) Tetrahydrofuran	4.64	42	84923	93.194	ug/l	99
30) Chloroform	4.68	83	50507	20.179	ug/l	99
31) Cyclohexane	5.00	56	48847	16.811	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	41028	19.463	ug/l	97
36) 1,1-Dichloropropene	5.14	75	35587	18.041	ug/l	99
37) Ethyl Acetate	4.39	43	49461	19.401	ug/l	99
38) Carbon Tetrachloride	5.14	117	34564	19.398	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	37078	16.080	ug/l	93
40) Benzene	5.39	78	110198	19.178	ug/l	100
41) Methacrylonitrile	4.55	41	27223	18.892	ug/l	97
42) 1,2-Dichloroethane	5.41	62	42069	19.724	ug/l	99
43) Isopropyl Acetate	5.55	43	72340	18.270	ug/l	99
44) Trichloroethene	6.19	130	23176	18.089	ug/l	97
45) 1,2-Dichloropropane	6.43	63	32067	19.349	ug/l	98
46) Dibromomethane	6.56	93	19136	20.444	ug/l	99
47) Bromodichloromethane	6.76	83	38408	19.775	ug/l	99
48) Methyl methacrylate	6.63	41	35589	18.075	ug/l	99
49) 1,4-Dioxane	6.62	88	12635	372.957	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	252094	97.980	ug/l	98
52) Toluene	7.64	92	63689	18.727	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	41089	18.043	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	46082	18.824	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27227	20.192	ug/l	98
56) Ethyl methacrylate	8.02	69	38444	16.483	ug/l	97
57) 1,3-Dichloropropane	8.24	76	49746	19.004	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	128672	95.981	ug/l	99
59) 2-Hexanone	8.36	43	190356	95.375	ug/l	98
60) Dibromochloromethane	8.48	129	26425	19.539	ug/l	99
61) 1,2-Dibromoethane	8.59	107	27988	19.522	ug/l	99
64) Tetrachloroethene	8.23	164	19841	19.050	ug/l	99
65) Chlorobenzene	9.12	112	66008	18.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	24797	20.396	ug/l	97
67) Ethyl Benzene	9.25	91	110229	17.666	ug/l	100
68) m/p-Xylenes	9.38	106	85322	37.383	ug/l	99
69) o-Xylene	9.78	106	40147	18.510	ug/l	97
70) Styrene	9.79	104	67582	18.202	ug/l	100
71) Bromoform	9.96	173	18632	19.048	ug/l #	99
73) Isopropylbenzene	10.17	105	107541	17.816	ug/l	99
74) N-amyl acetate	10.02	43	60286	17.446	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	47529	20.053	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	40245m	18.680	ug/l	
77) Bromobenzene	10.45	156	26774	19.085	ug/l	98
78) n-propylbenzene	10.59	91	130728	18.023	ug/l	99
79) 2-Chlorotoluene	10.66	91	81558	18.623	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	92566	18.835	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14406m	17.500	ug/l	
82) 4-Chlorotoluene	10.77	91	92177	18.547	ug/l	98
83) tert-Butylbenzene	11.10	119	85001	17.891	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	94485	18.821	ug/l	99
85) sec-Butylbenzene	11.32	105	106874	17.854	ug/l	100
86) p-Isopropyltoluene	11.48	119	92564	18.060	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	48667	18.321	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	50349	18.548	ug/l	98
89) n-Butylbenzene	11.89	91	80673	16.204	ug/l	98
90) Hexachloroethane	12.15	117	18508	19.158	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	48316	18.686	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10000	19.037	ug/l	98

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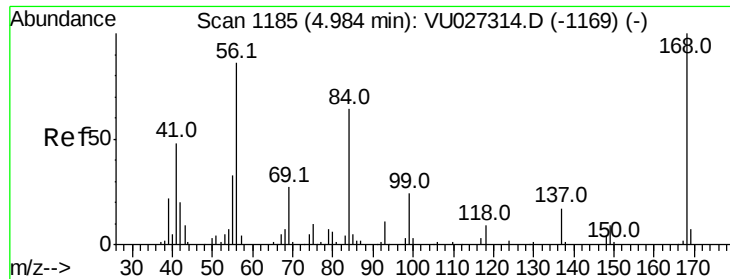
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	29396	17.570	ug/l	100
94) Hexachlorobutadiene	13.69	225	15384	18.199	ug/l	97
95) Naphthalene	13.74	128	95649	16.377	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	31563	18.108	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion:168 Resp: 107488

Ion Ratio Lower Upper

168 100

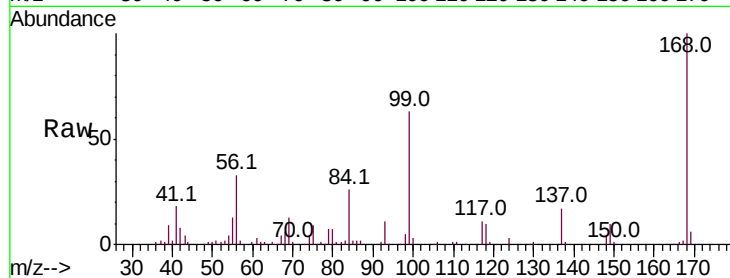
99 62.5 50.8 76.2

Manual Integrations

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10/8/2018 1:52:27 PM



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

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

4.99

50000

40000

30000

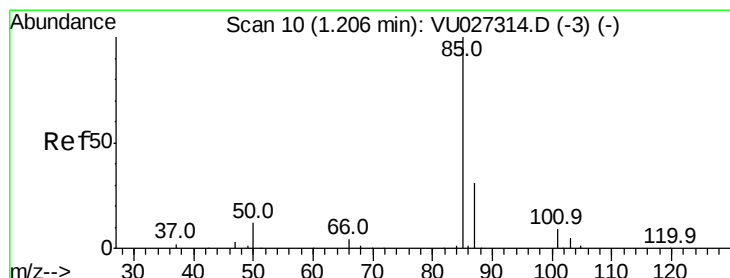
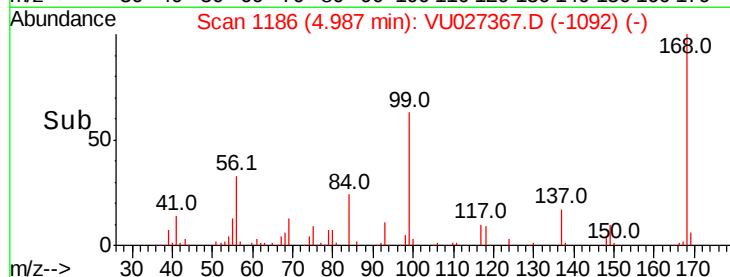
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.681 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027367.D

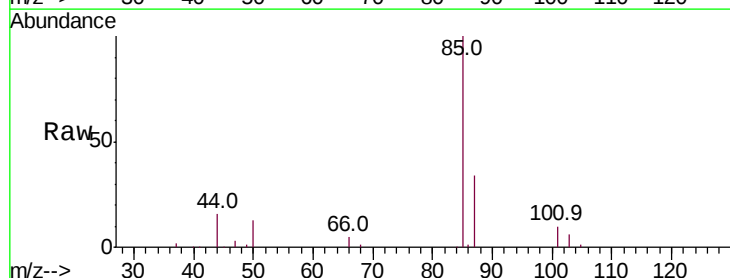
Acq: 03 Oct 2018 19:56

Tgt Ion: 85 Resp: 30499

Ion Ratio Lower Upper

85 100

87 33.8 15.7 47.1



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

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

1.21

30000

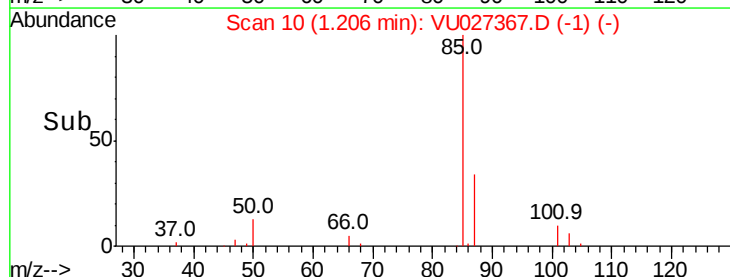
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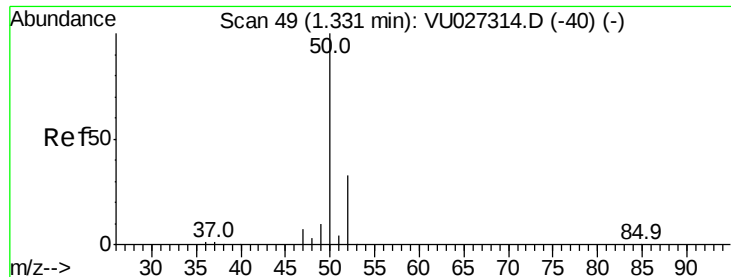
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 19.342 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 50 Resp: 40580

Ion Ratio Lower Upper

50 100

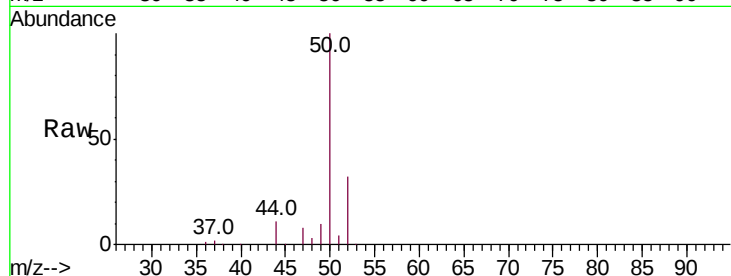
52 31.6 26.5 39.7

Manual Integrations

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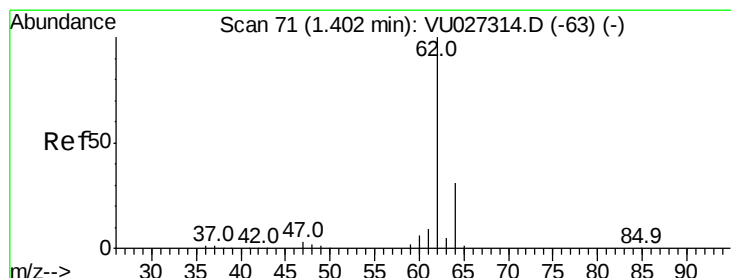
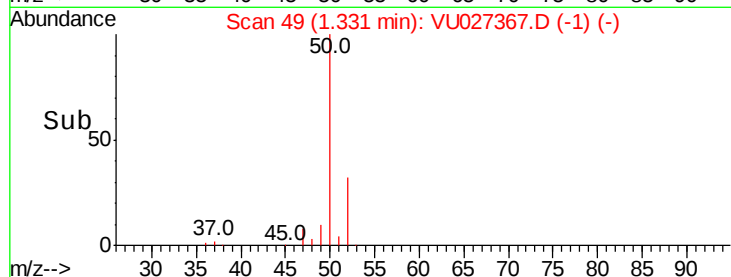
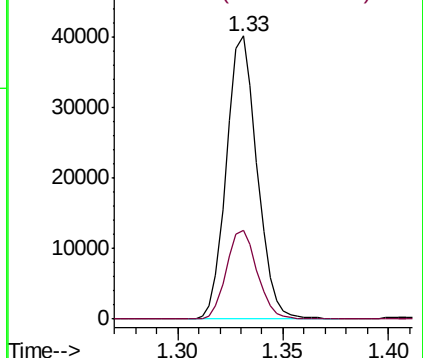
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 18.941 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027367.D

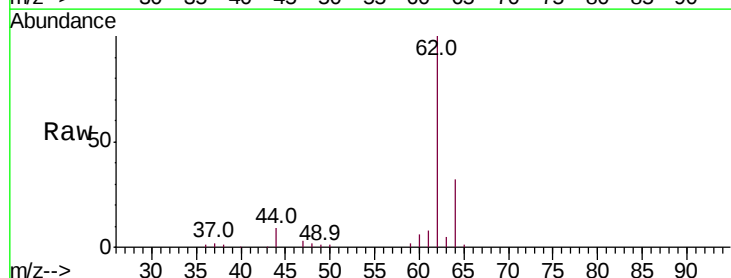
Acq: 03 Oct 2018 19:56

Tgt Ion: 62 Resp: 37355

Ion Ratio Lower Upper

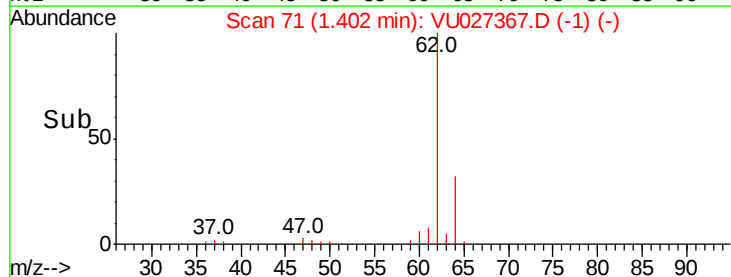
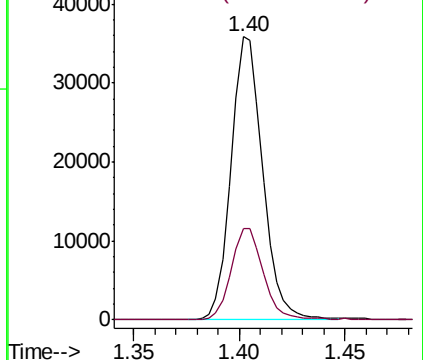
62 100

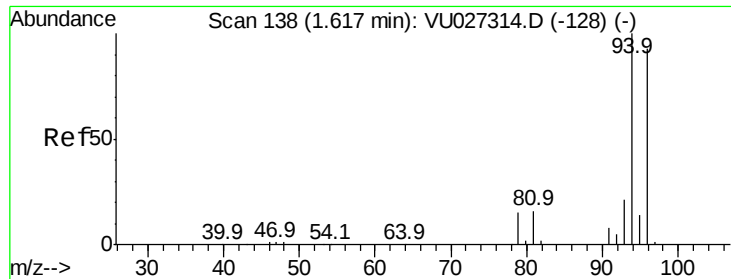
64 32.4 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 22.255 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 94 Resp: 18992

Ion Ratio Lower Upper

94 100

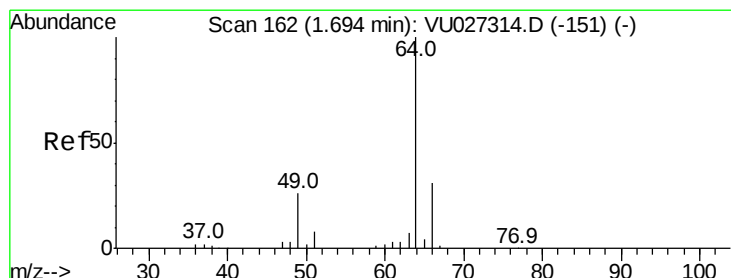
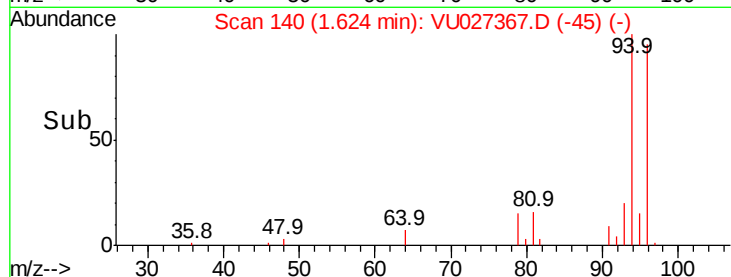
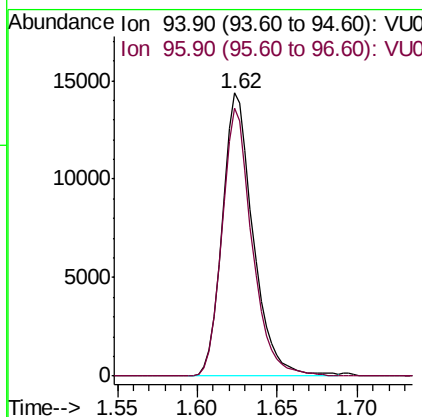
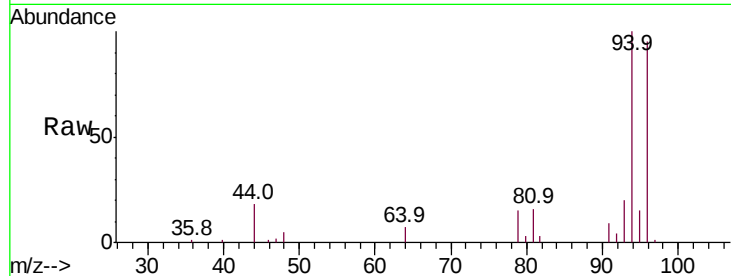
96 94.8 74.6 111.8

Manual Integrations

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#6

Chloroethane

Concen: 18.071 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027367.D

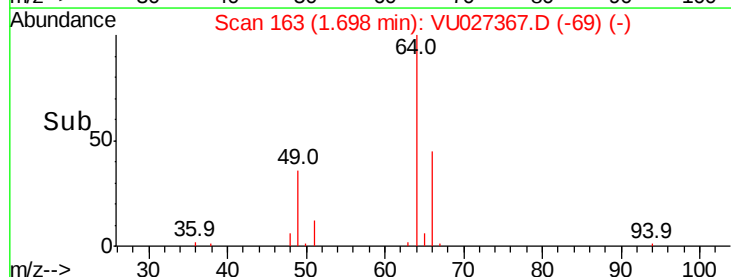
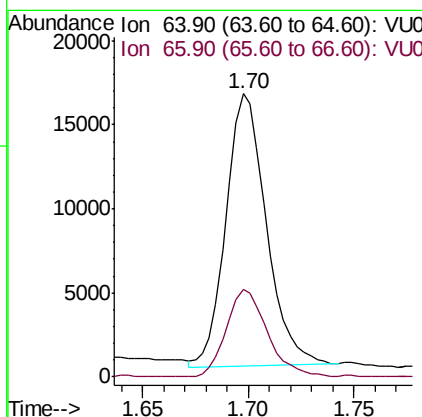
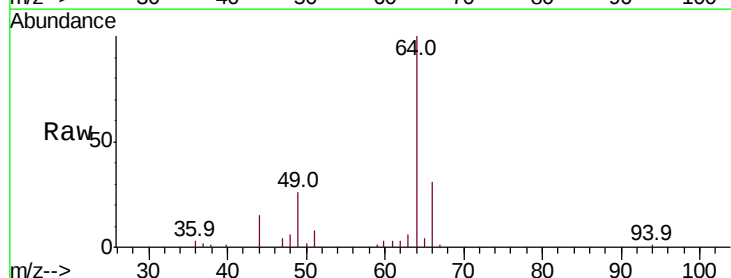
Acq: 03 Oct 2018 19:56

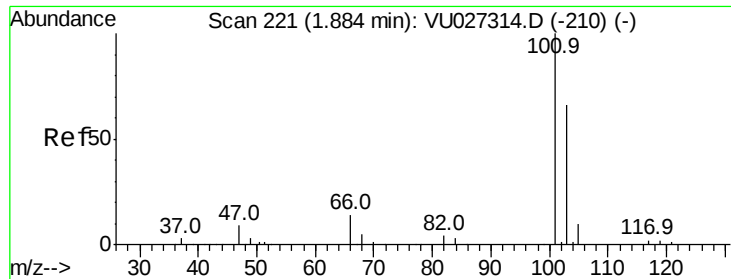
Tgt Ion: 64 Resp: 21416

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8





#7

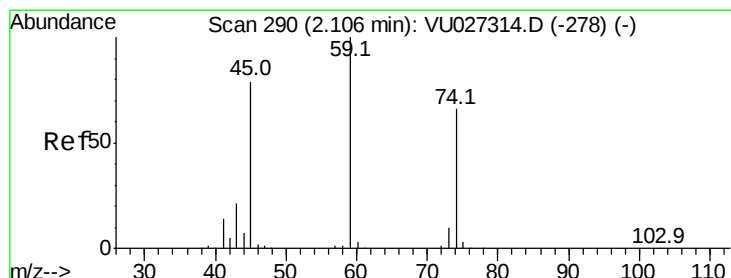
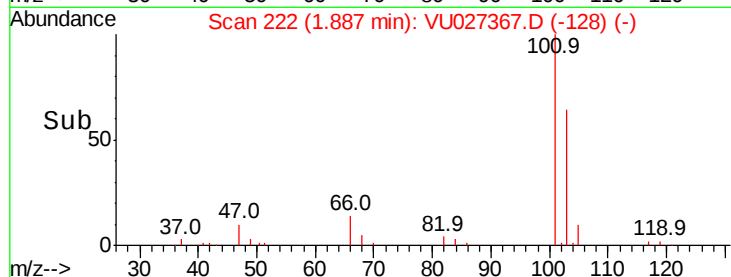
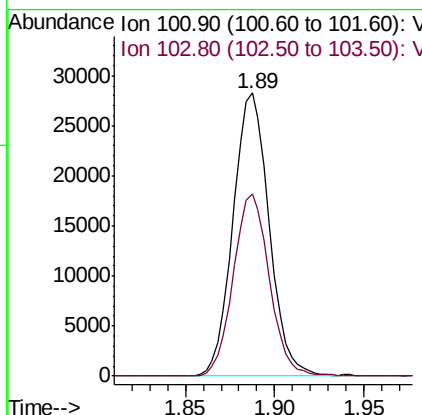
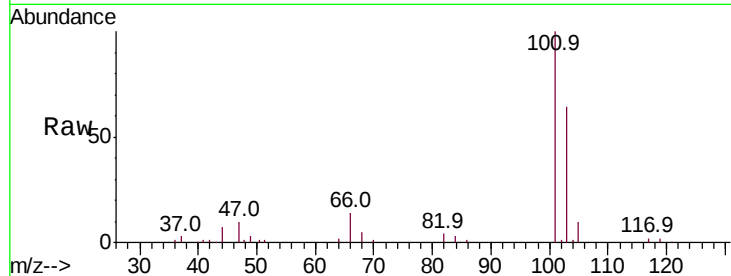
Trichlorofluoromethane
Concen: 19.992 ug/l
RT: 1.89 min Scan# 222
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion:101 Resp: 40006
Ion Ratio Lower Upper
101 100
103 64.3 52.6 78.8

Manual Integrations
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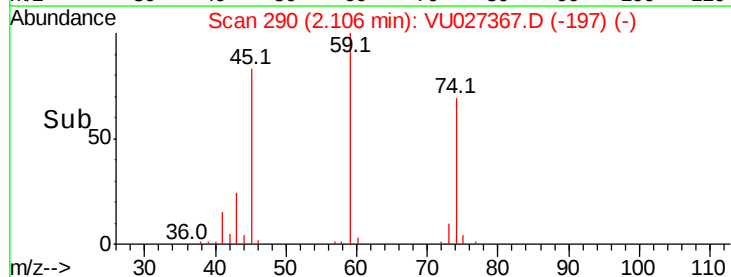
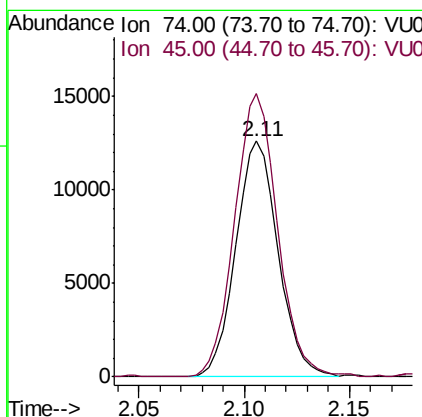
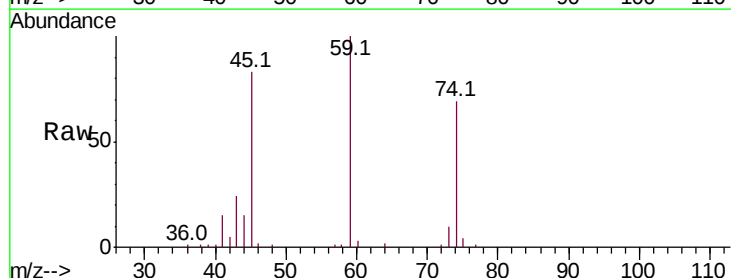
MMDadoda
10/8/2018 1:52:27 PM

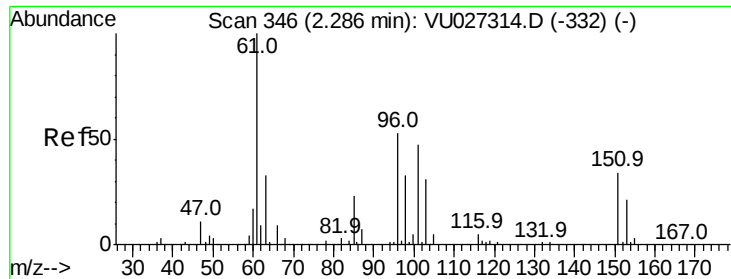


#8

Diethyl Ether
Concen: 19.069 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion: 74 Resp: 17578
Ion Ratio Lower Upper
74 100
45 122.1 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.537 ug/l

RT: 2.29 min Scan# 347

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

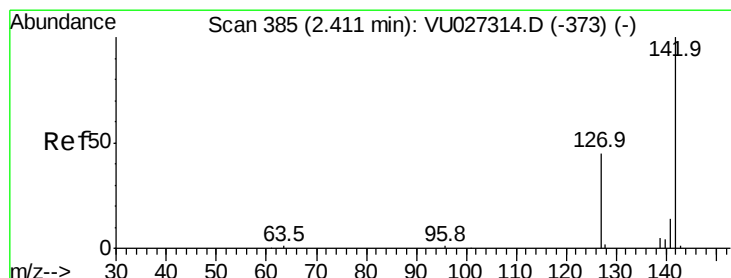
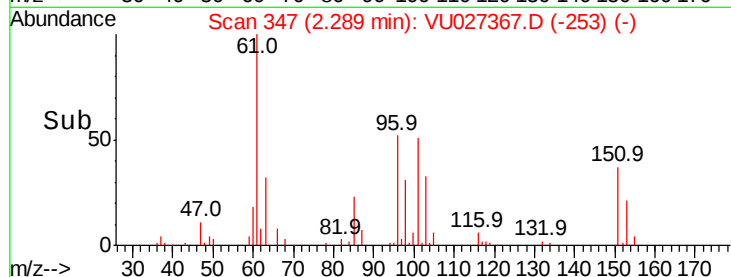
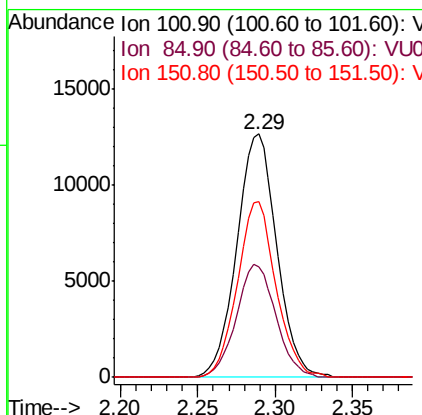
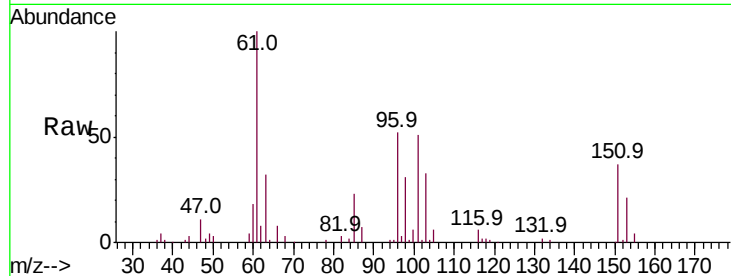
ClientSampleId :

VU1004WBS01

Tot Ion:	101	Resp:	22704
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.5	56.3
151	69.6	55.6	83.4

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#10

Methyl Iodide

Concen: 29.875 ug/l

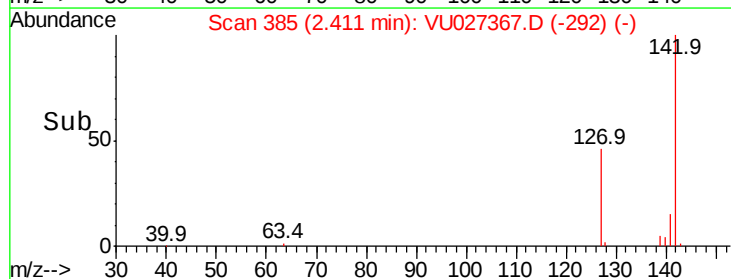
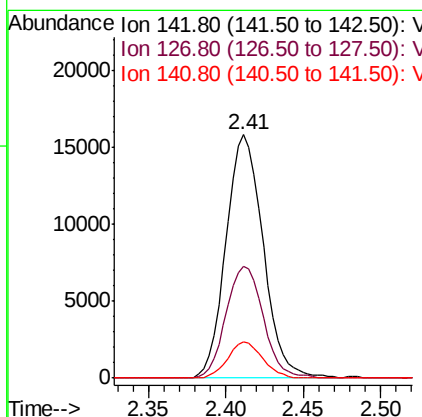
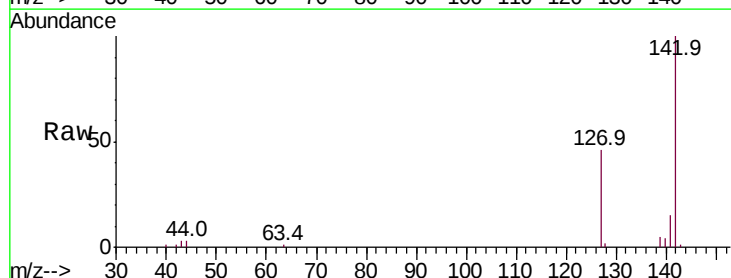
RT: 2.41 min Scan# 385

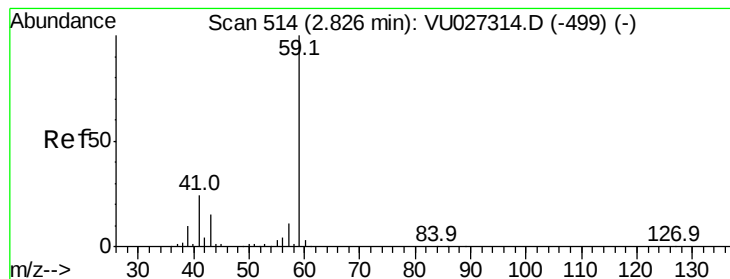
Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Tgt Ion:	142	Resp:	26290
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.3	54.5
141	14.0	11.6	17.4





#11

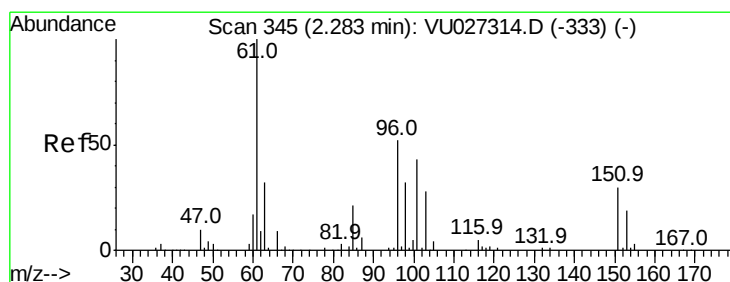
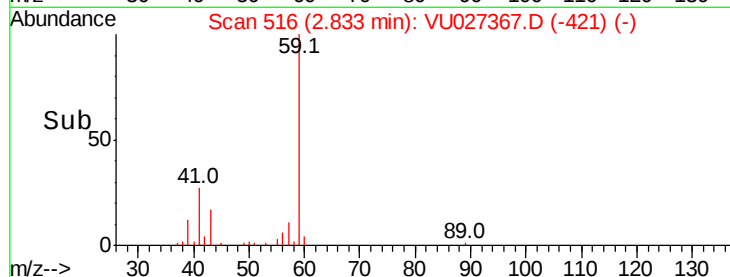
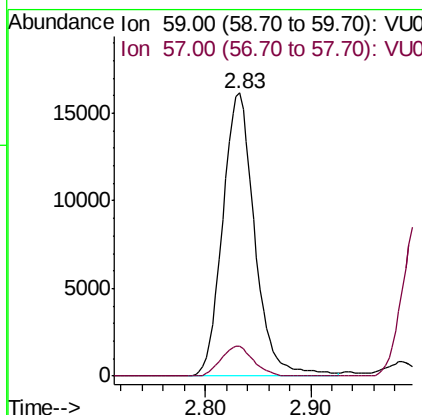
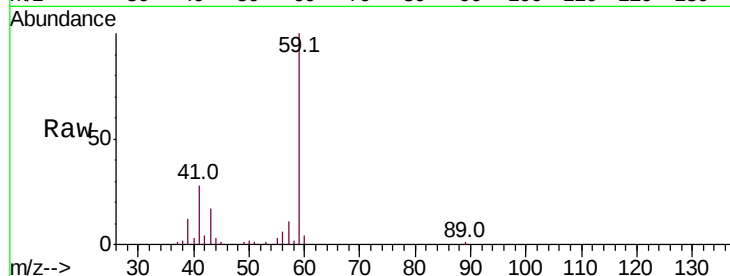
Tert butyl alcohol
 Concen: 90.060 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

Manual Integrations
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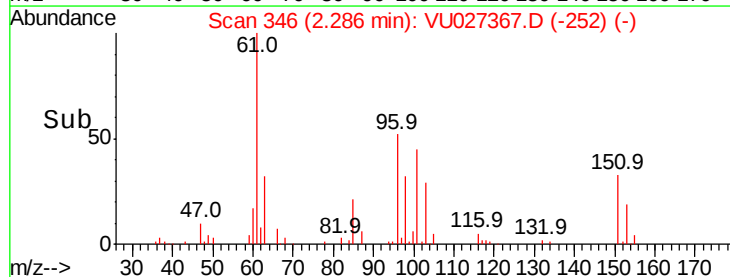
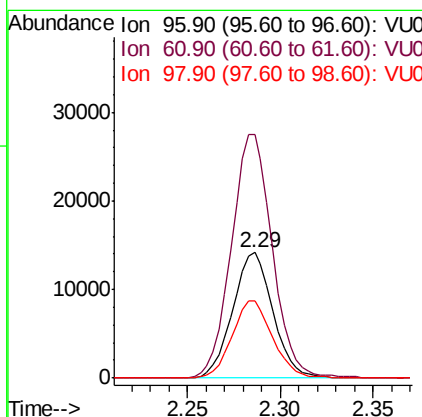
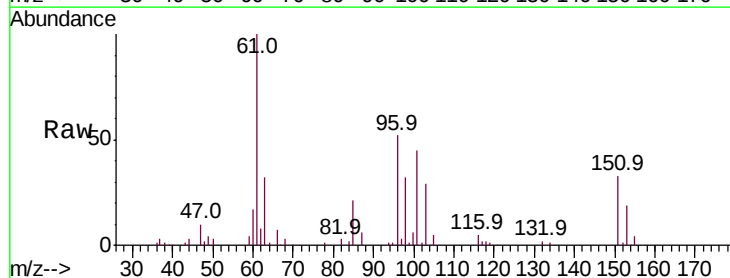
MMDadoda
 10/8/2018 1:52:27 PM

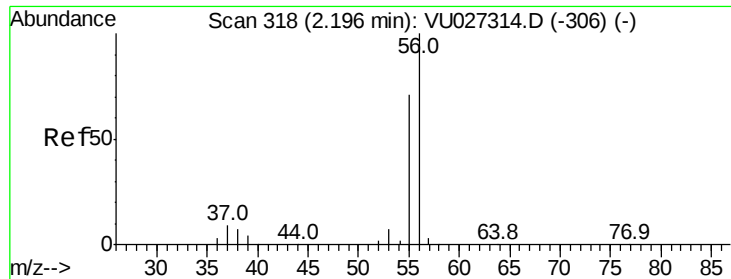


#12

1,1-Dichloroethene
 Concen: 18.792 ug/l
 RT: 2.29 min Scan# 346
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	193.9	153.0	229.6
98	61.4	49.3	73.9





#13

Acrolein

Concen: 42.276 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 56 Resp: 13408

Ion Ratio Lower Upper

56 100

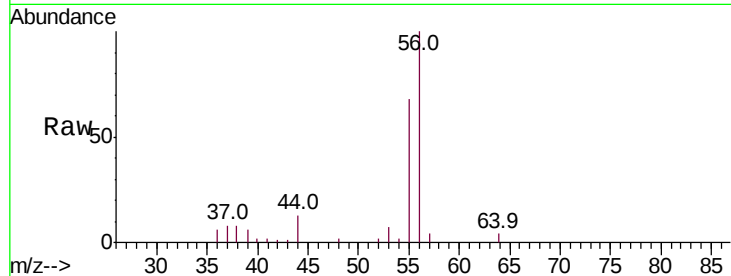
55 74.7 57.7 86.5

Manual Integrations

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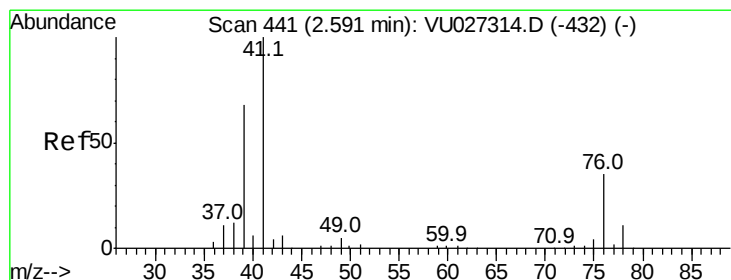
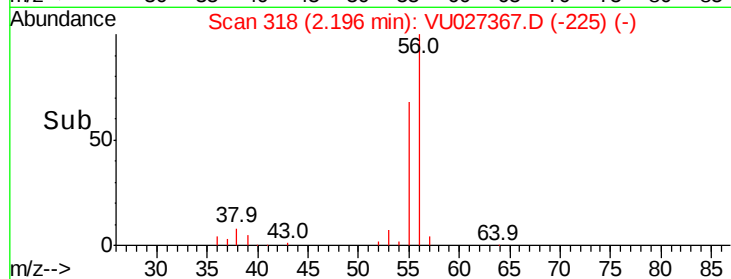
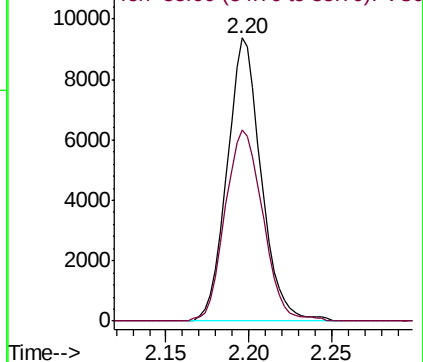
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 17.718 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

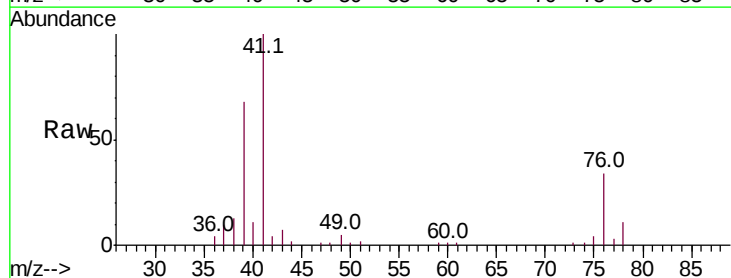
Tgt Ion: 41 Resp: 47772

Ion Ratio Lower Upper

41 100

39 67.2 51.8 77.8

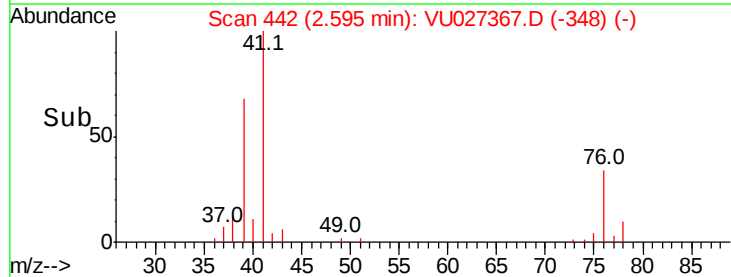
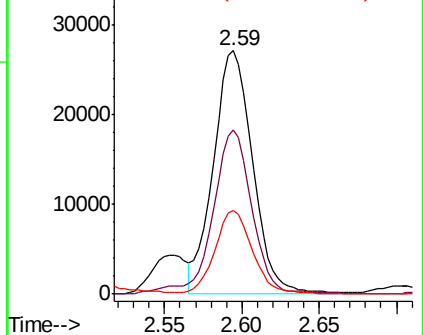
76 32.8 25.9 38.9

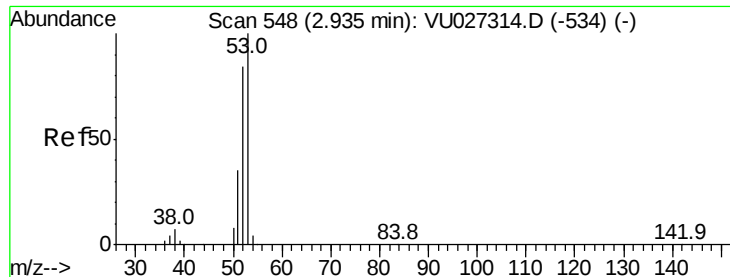


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 98.059 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

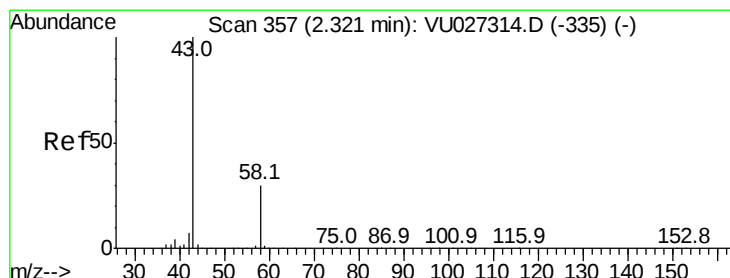
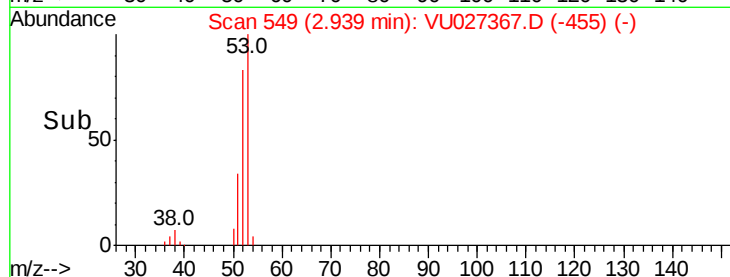
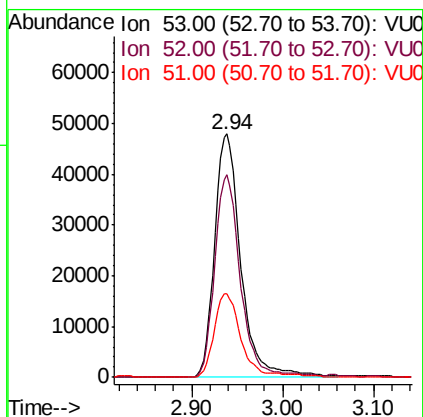
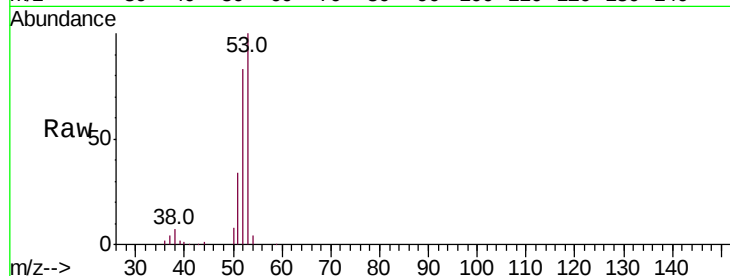
ClientSampleId :

VU1004WBS01

Tot Ion:	53	Resp:	96466
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.5	99.7
51	33.7	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 83.962 ug/l

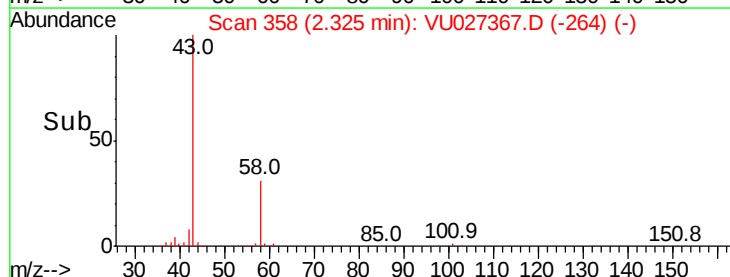
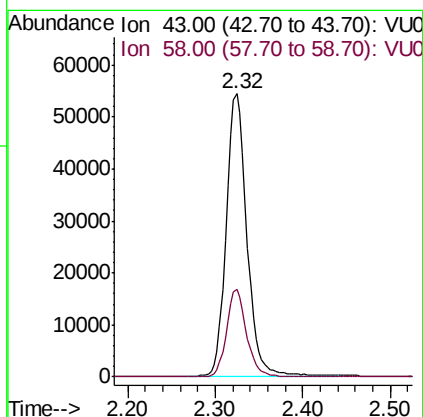
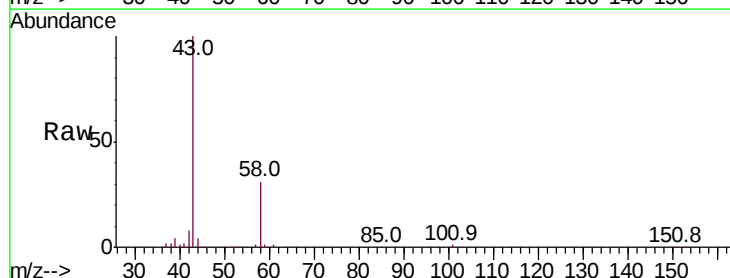
RT: 2.32 min Scan# 358

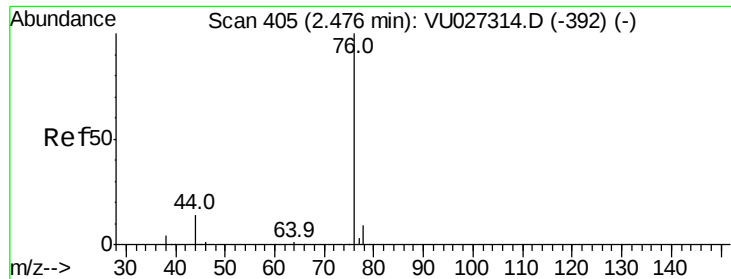
Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Tgt Ion:	43	Resp:	89028
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4





#17

Carbon Disulfide

Concen: 17.352 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 76 Resp: 71055

Ion Ratio Lower Upper

76 100

78 9.5

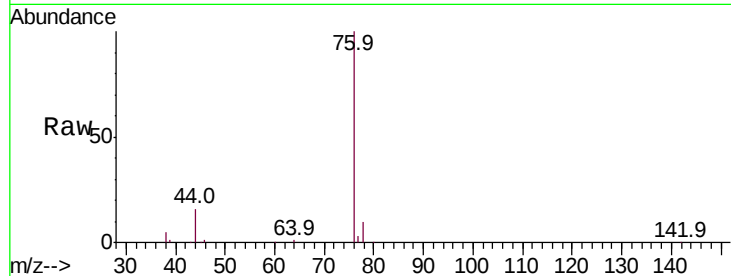
7.3 10.9

Manual Integrations

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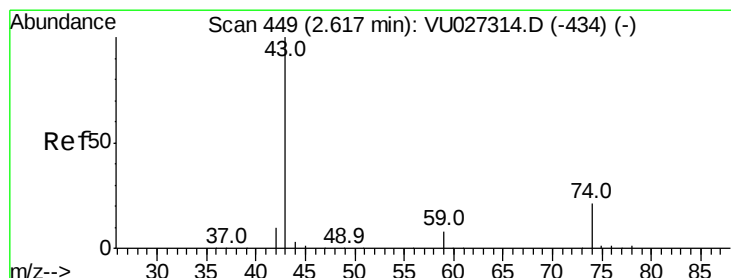
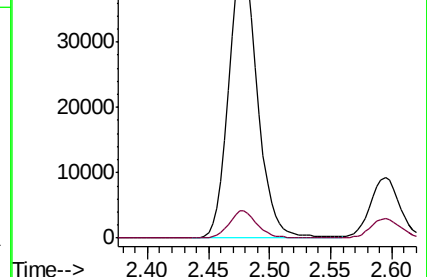
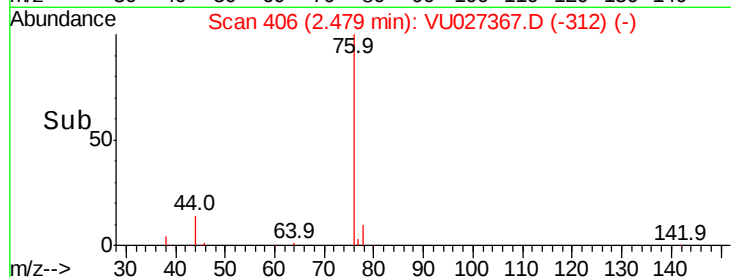


Abundance Ion 75.90 (75.60 to 76.60): VU027314.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VU027314.D (-392) (-)

2.48

Time-->



#18

Methyl Acetate

Concen: 21.075 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

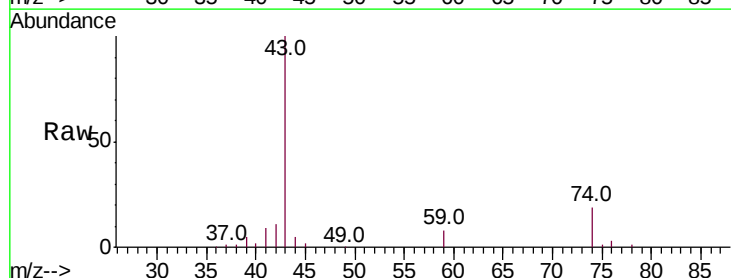
Tgt Ion: 43 Resp: 50978

Ion Ratio Lower Upper

43 100

74 19.2

16.5 24.7

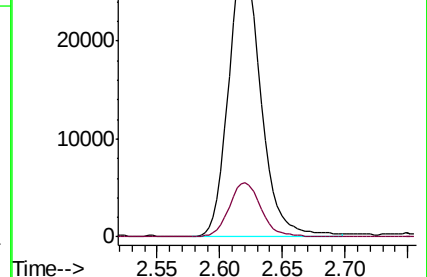
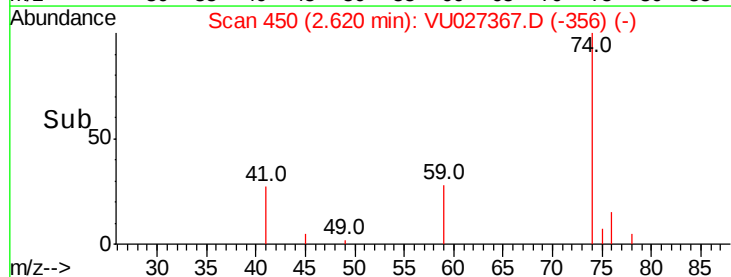


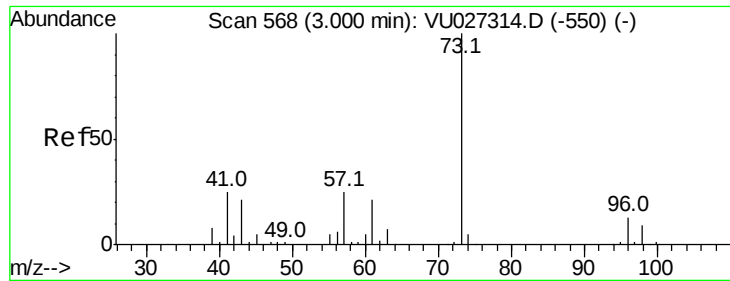
Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-434) (-)

Ion 74.00 (73.70 to 74.70): VU027314.D (-434) (-)

2.62

Time-->





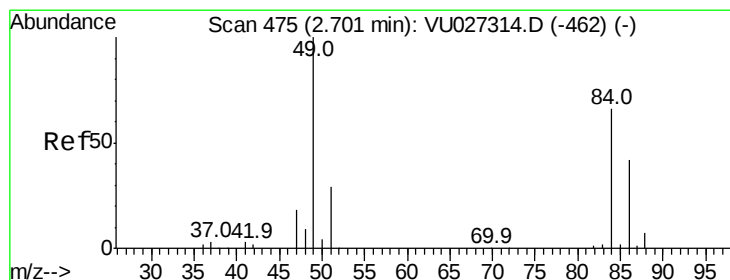
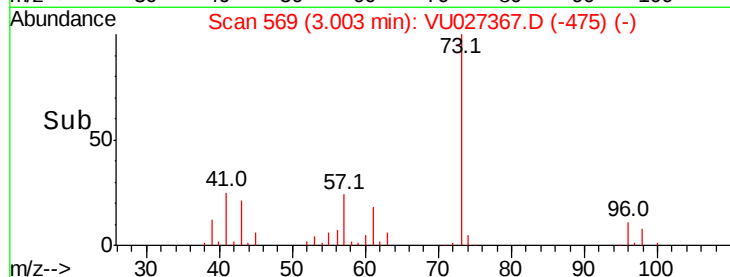
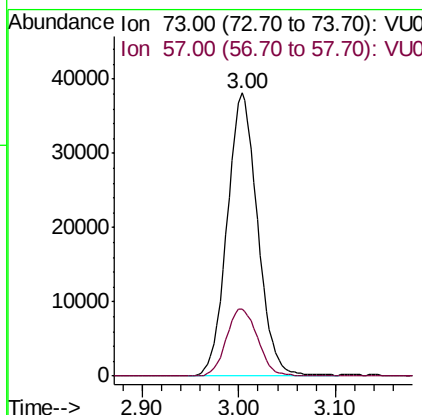
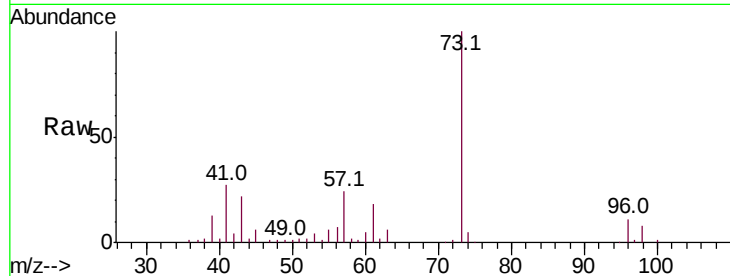
#19
Methyl tert-butyl Ether
Concen: 18.347 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion: 73 Resp: 83469
Ion Ratio Lower Upper
73 100
57 23.7 20.0 30.0

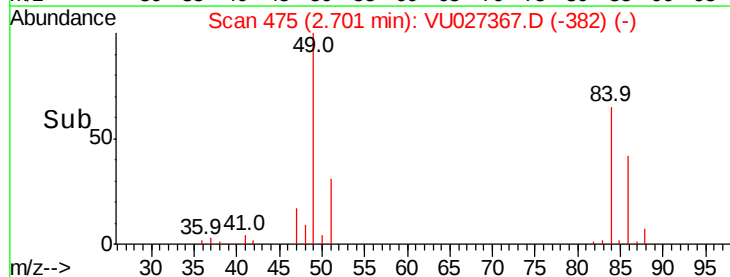
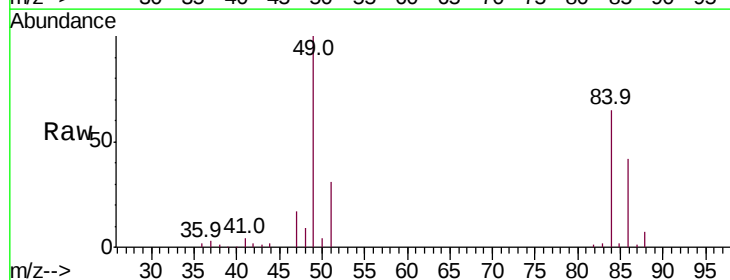
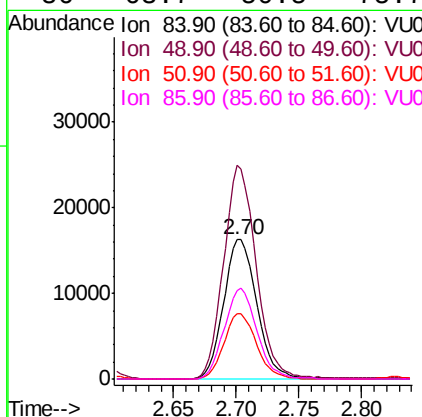
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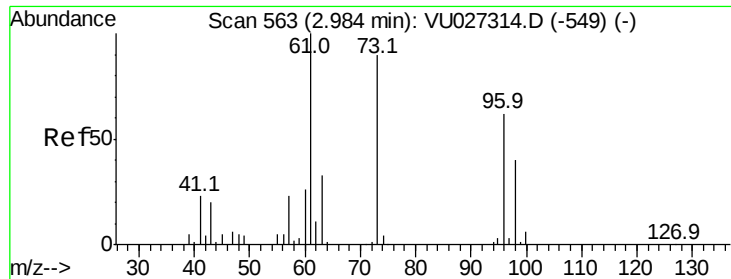
MMDadoda
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#20
Methylene Chloride
Concen: 20.393 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion: 84 Resp: 30120
Ion Ratio Lower Upper
84 100
49 153.2 120.5 180.7
51 47.3 35.1 52.7
86 63.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.687 ug/l

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 96 Resp: 23820

Ion Ratio Lower Upper

96 100

61 160.9 129.4 194.2

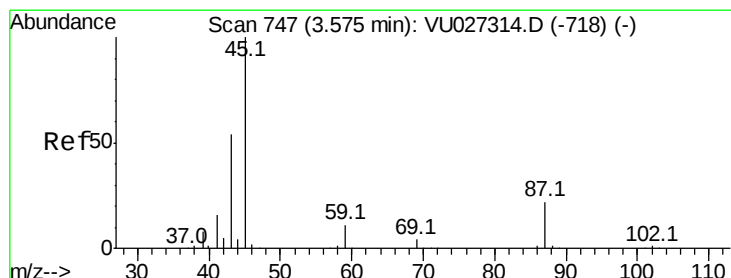
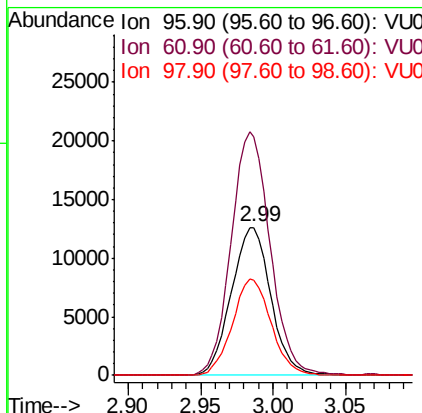
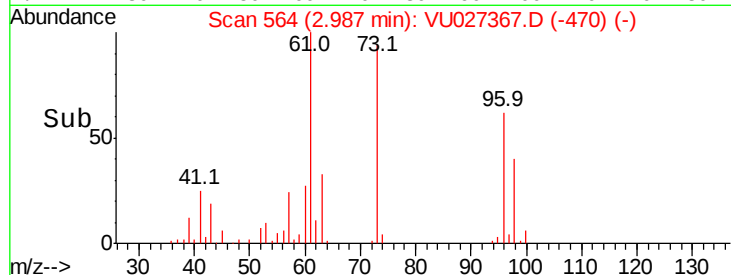
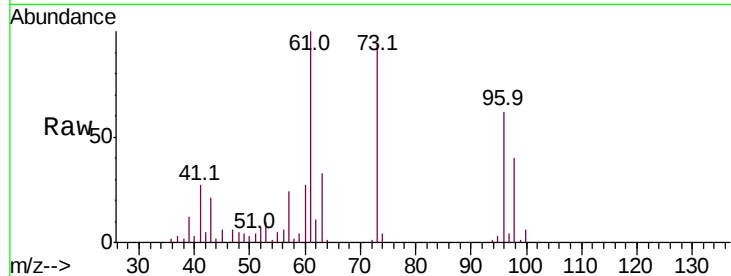
98 64.5 51.2 76.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.336 ug/l

RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Tgt Ion: 45 Resp: 105960

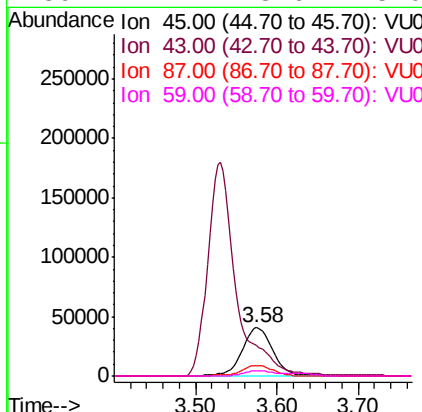
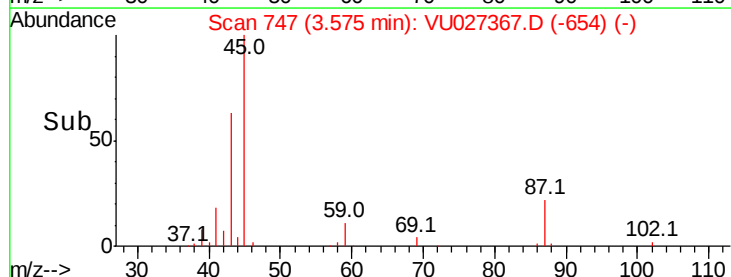
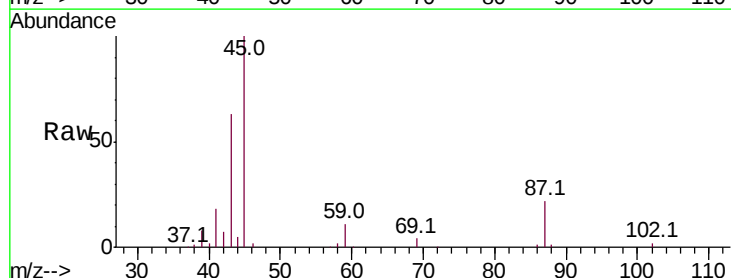
Ion Ratio Lower Upper

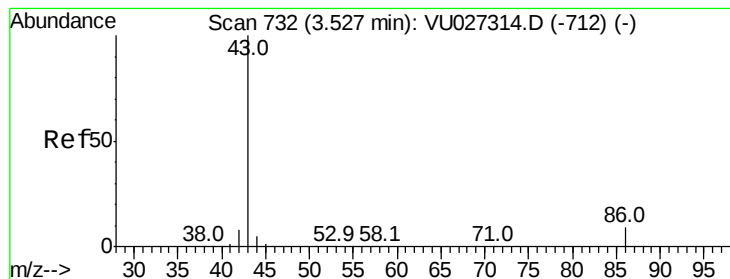
45 100

43 60.2 43.4 65.2

87 21.7 17.5 26.3

59 11.4 8.6 13.0





#23

Vinyl Acetate

Concen: 91.547 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 43 Resp: 438118

Ion Ratio Lower Upper

43 100

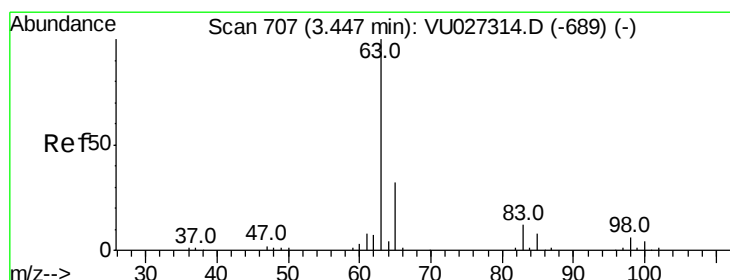
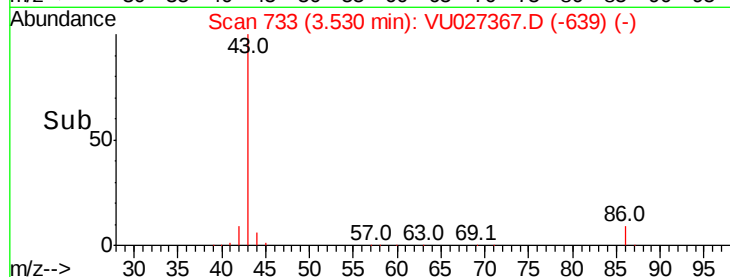
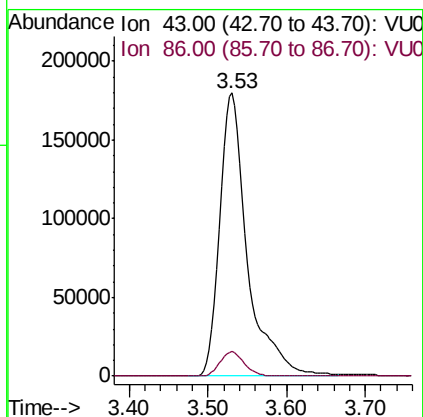
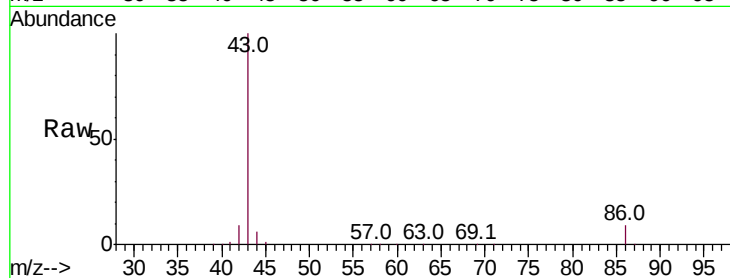
86 8.6 7.0 10.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.728 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

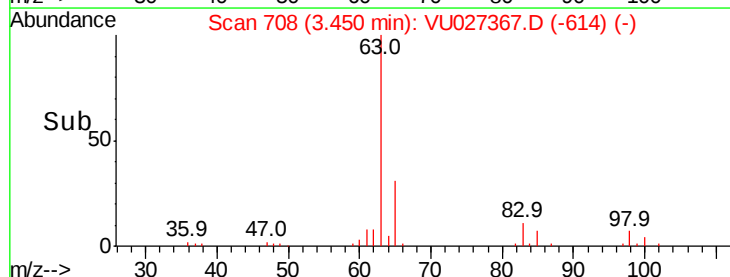
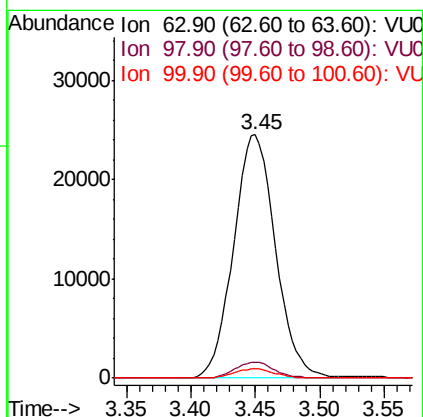
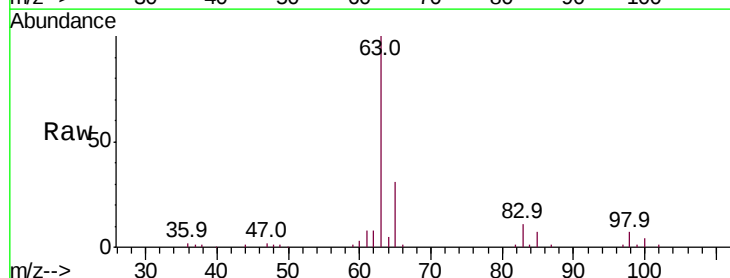
Tgt Ion: 63 Resp: 55578

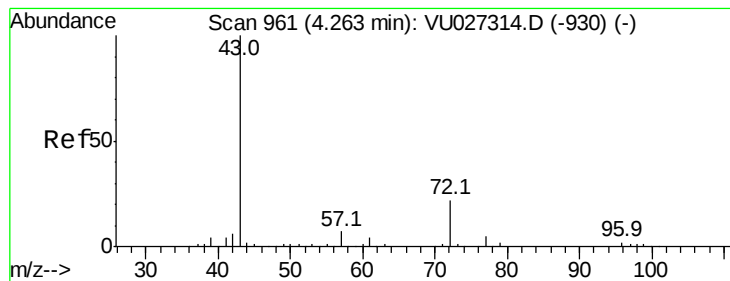
Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.0 1.8 5.5





#25

2-Butanone

Concen: 92.034 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 43 Resp: 133075

Ion Ratio Lower Upper

43 100

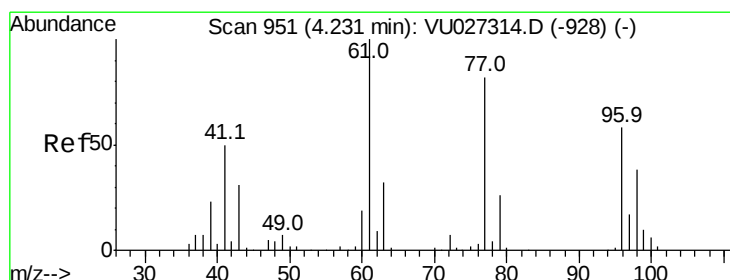
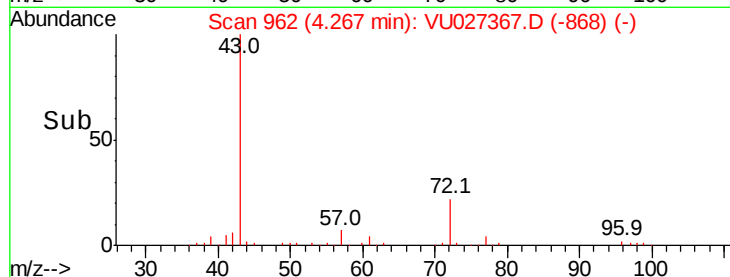
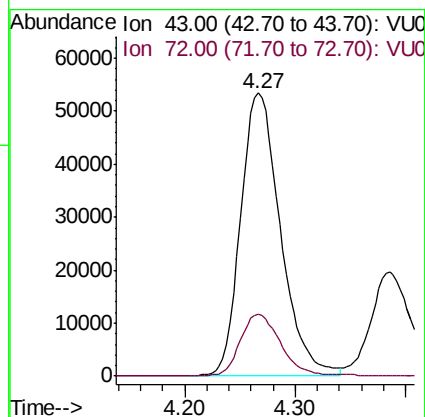
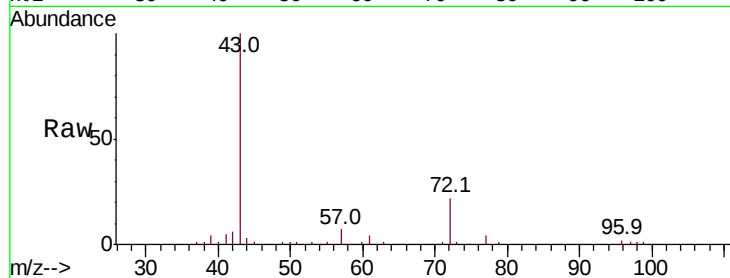
72 22.2 17.8 26.6

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:52:27 PM



#26

2,2-Dichloropropane

Concen: 17.857 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027367.D

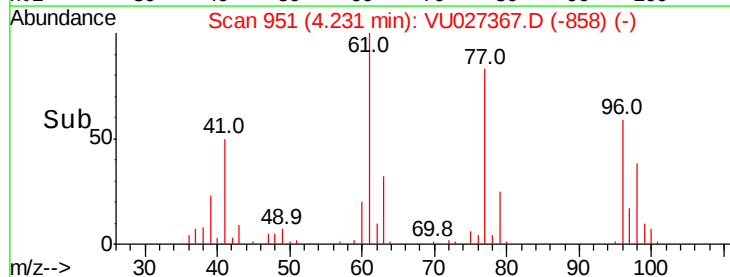
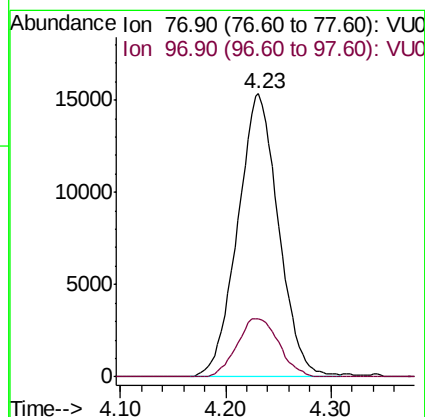
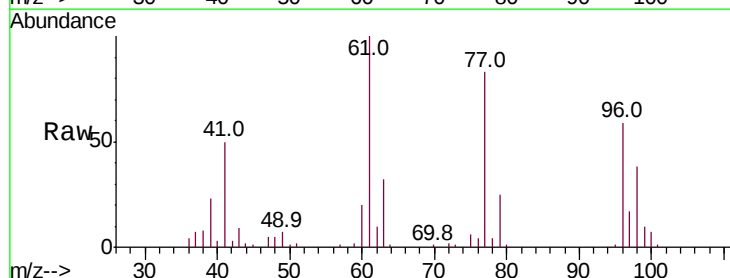
Acq: 03 Oct 2018 19:56

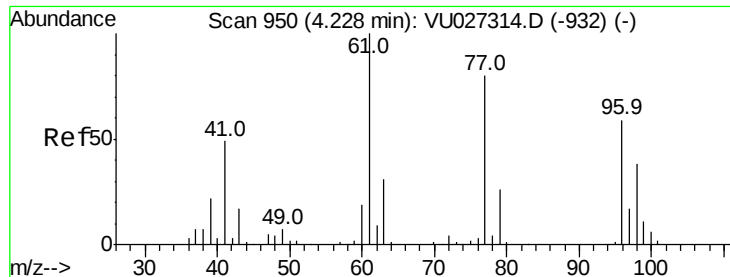
Tgt Ion: 77 Resp: 41337

Ion Ratio Lower Upper

77 100

97 21.2 10.4 31.1





#27

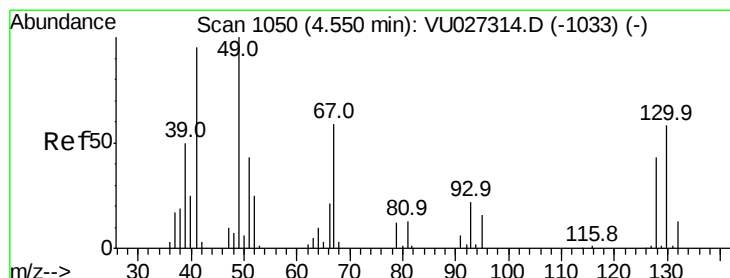
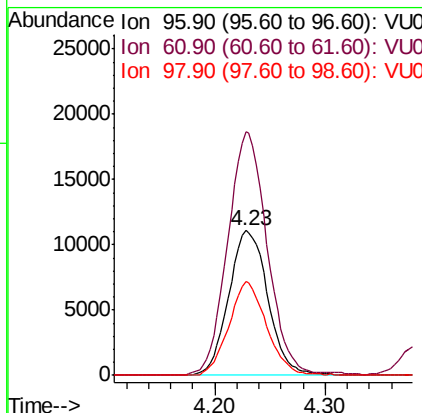
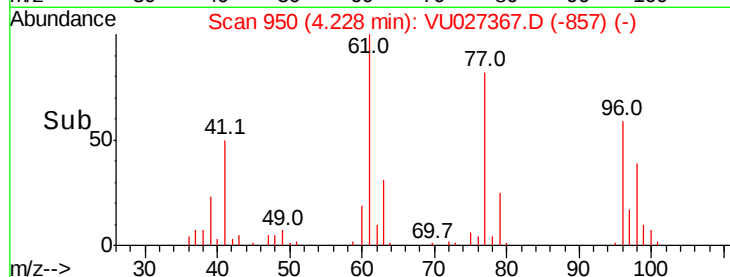
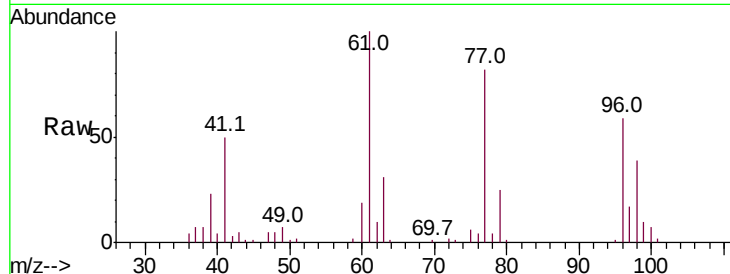
cis-1,2-Dichloroethene
Concen: 18.726 ug/l
RT: 4.23 min Scan# 950
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	169.5	0.0	343.8
98	62.0	0.0	129.0

Manual Integrations
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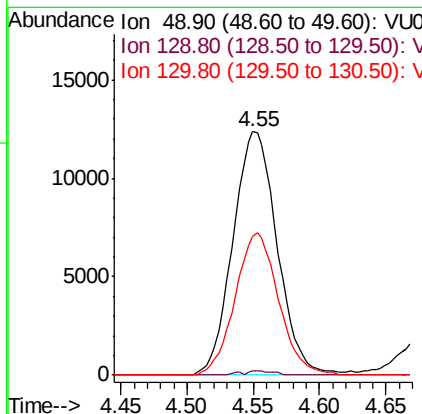
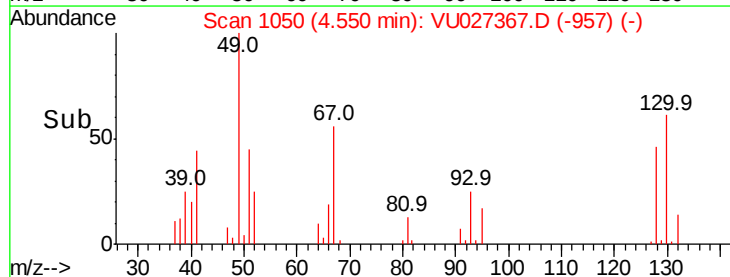
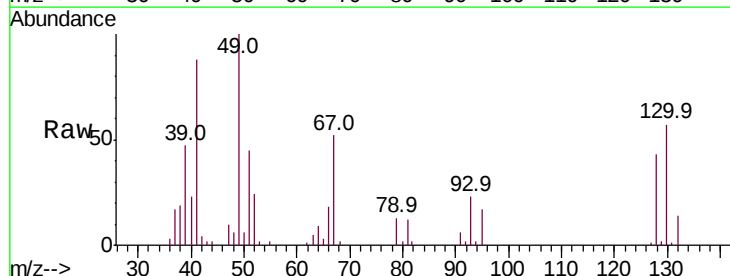
MMDadoda
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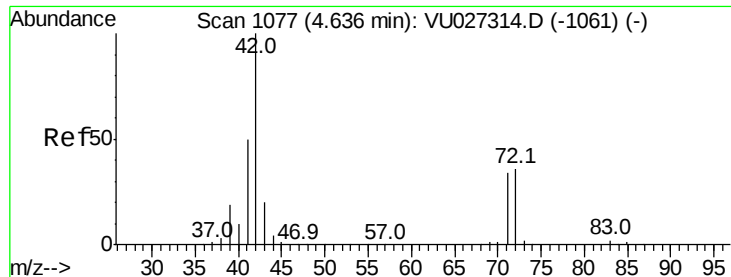


#28

Bromochloromethane
Concen: 21.091 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.0
130	57.3	46.1	69.1





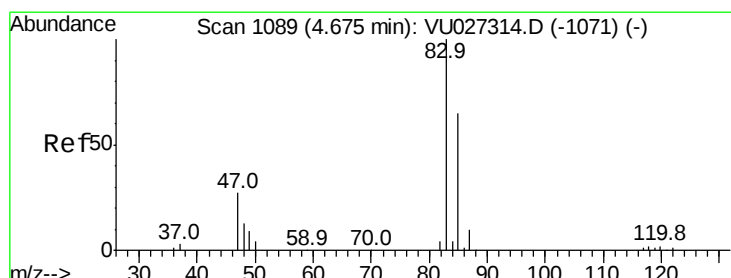
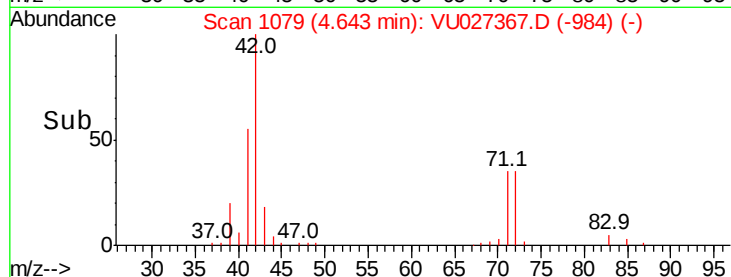
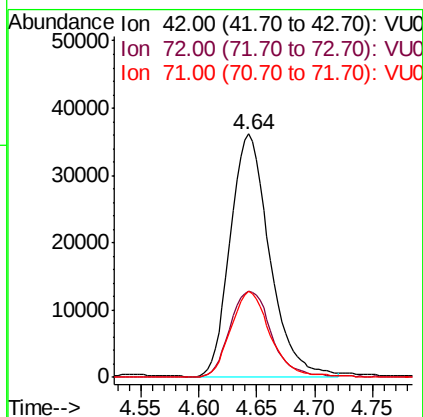
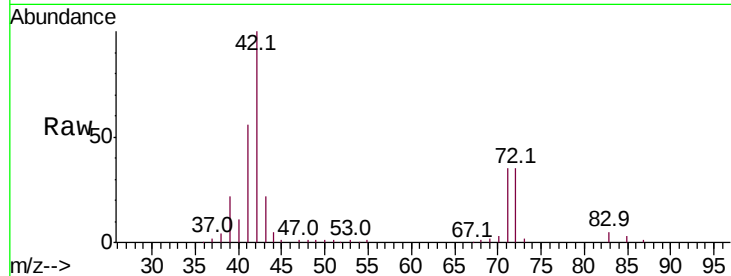
#29
Tetrahydrofuran
Concen: 93.194 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.1	45.1
71	35.8	27.7	41.5

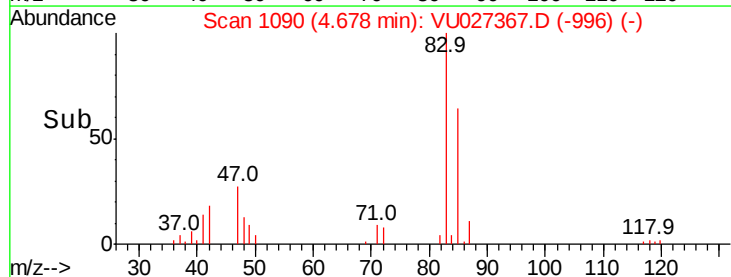
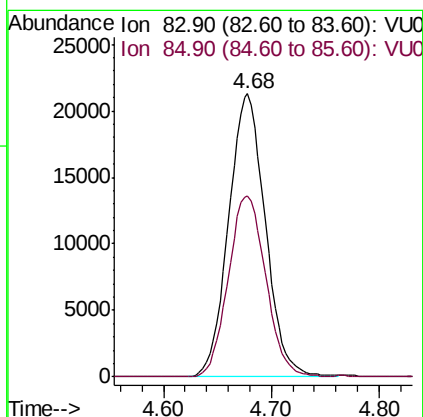
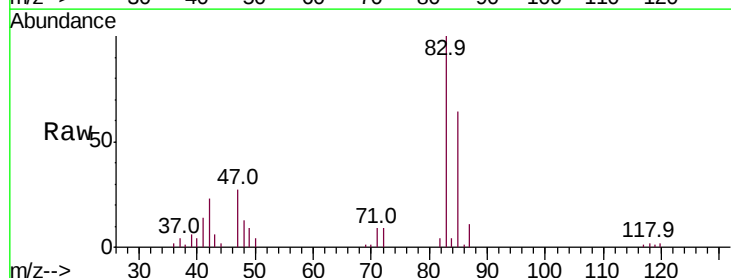
Manual Integrations
APPROVED

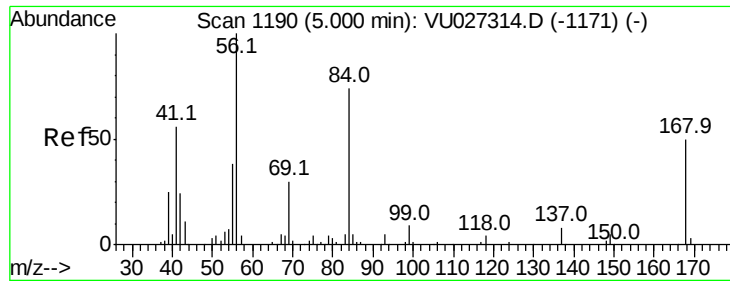
MMDadoda
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#30
Chloroform
Concen: 20.179 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.8	77.6





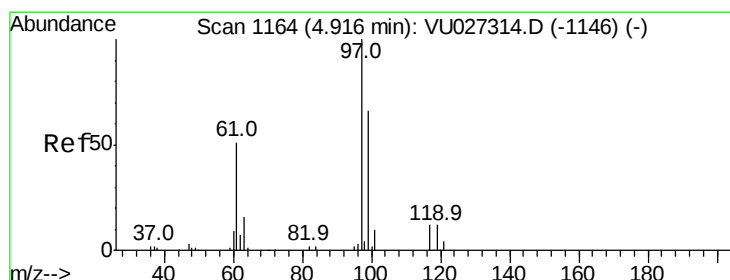
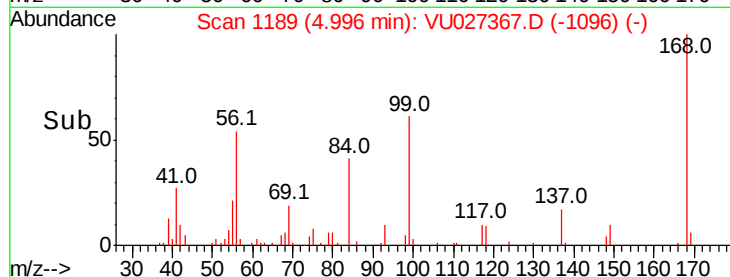
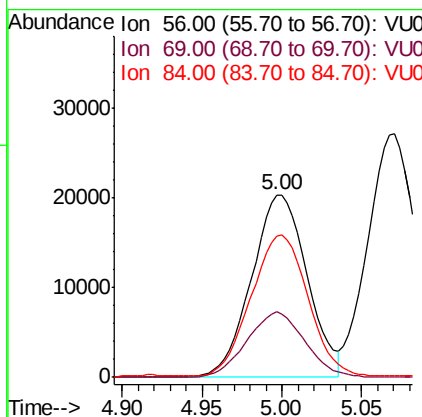
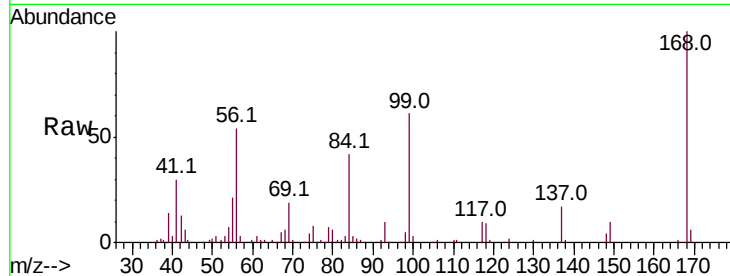
#31
Cyclohexane
Concen: 16.811 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	24.1	36.1
84	76.3	59.1	88.7

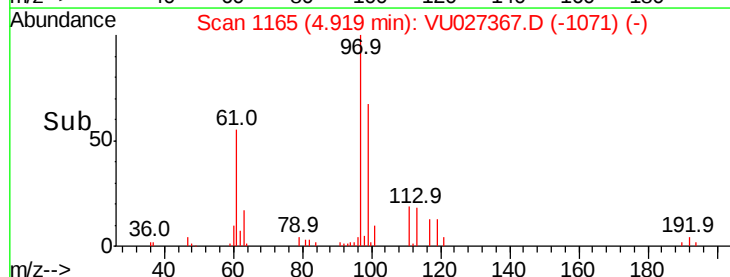
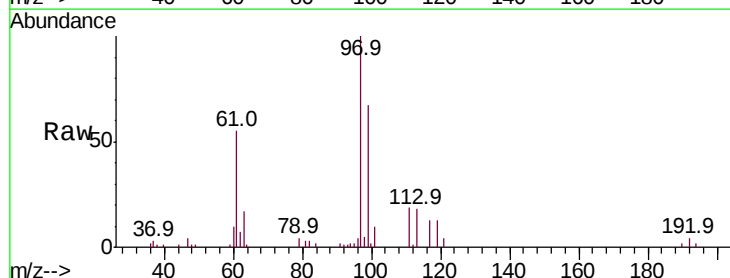
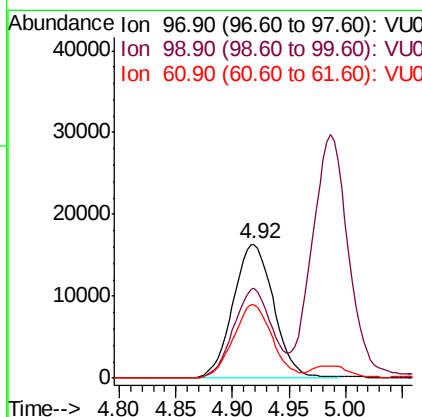
Manual Integrations
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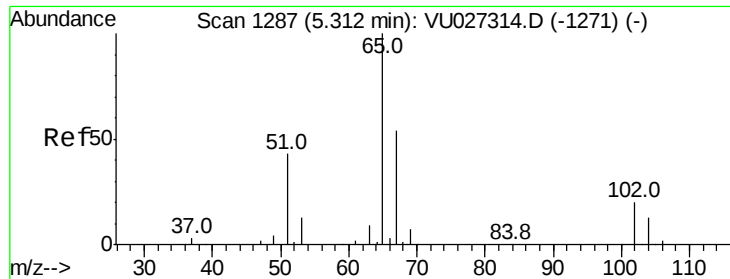
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#32
1,1,1-Trichloroethane
Concen: 19.463 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.1	76.7
61	52.5	39.6	59.4





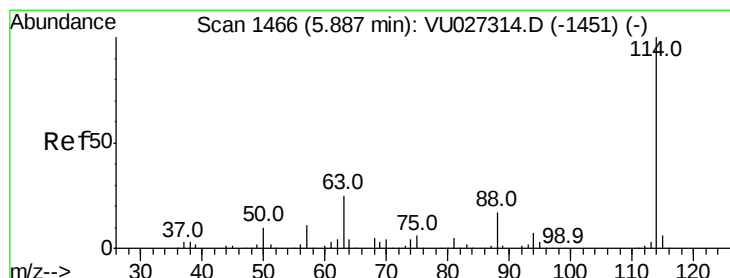
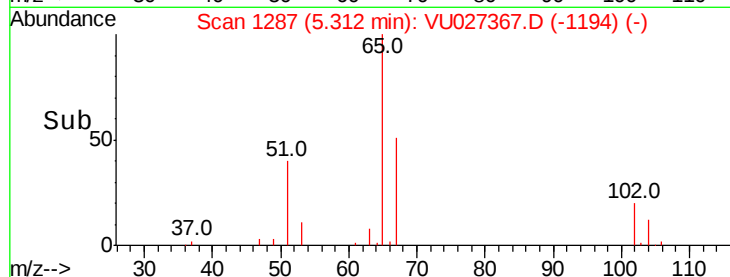
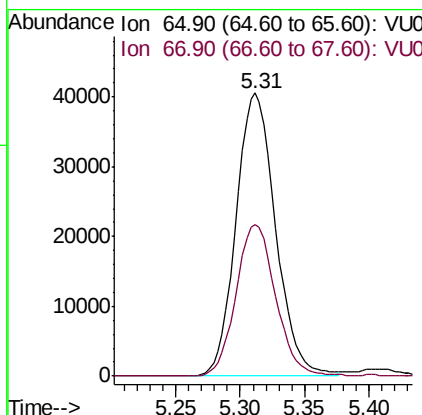
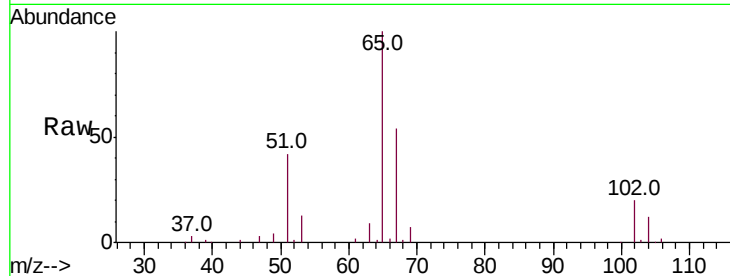
#33
 1,2-Dichloroethane-d4
 Concen: 48.248 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.8

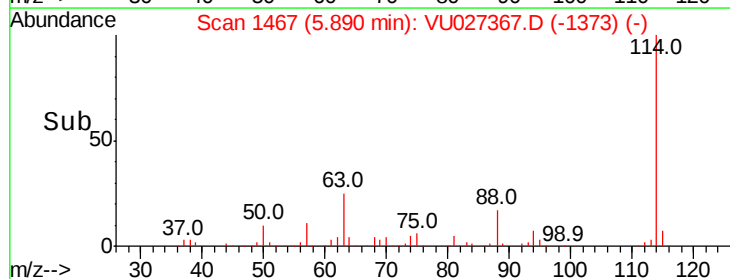
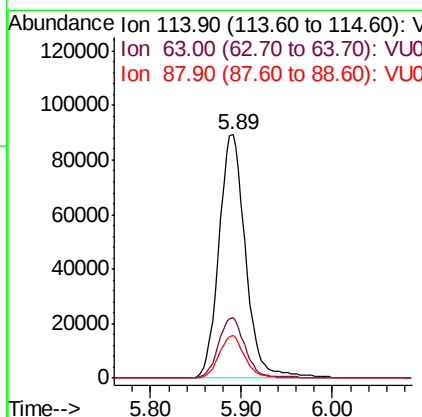
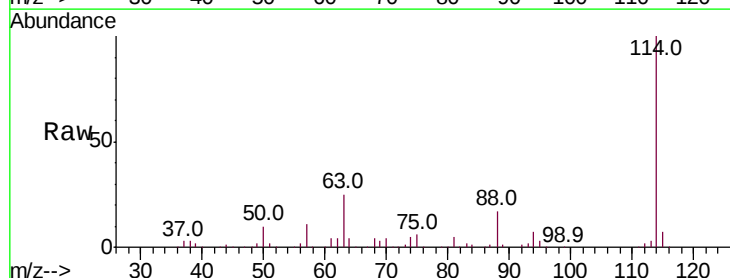
Manual Integrations
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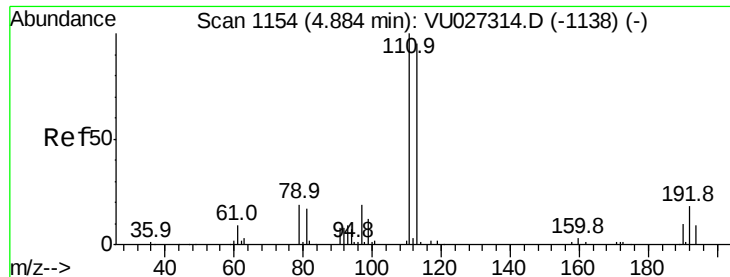
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	50.2
88	17.4	0.0	33.8





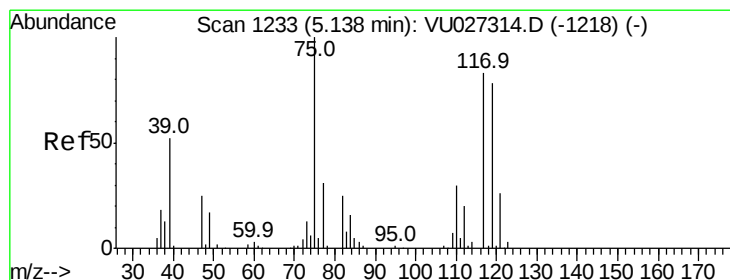
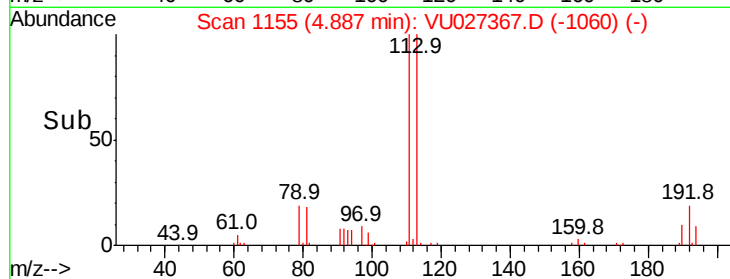
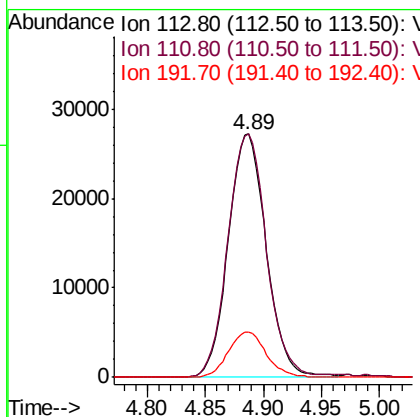
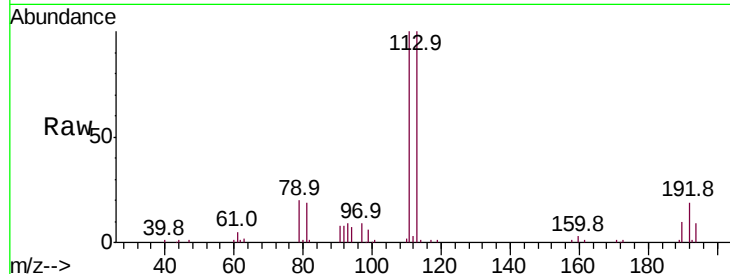
#35
 Dibromofluoromethane
 Concen: 49.737 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.1	124.7
192	18.6	15.4	23.0

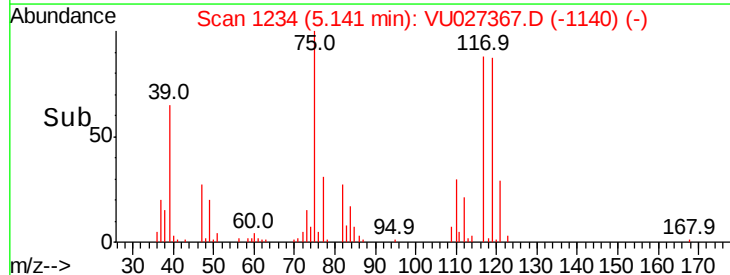
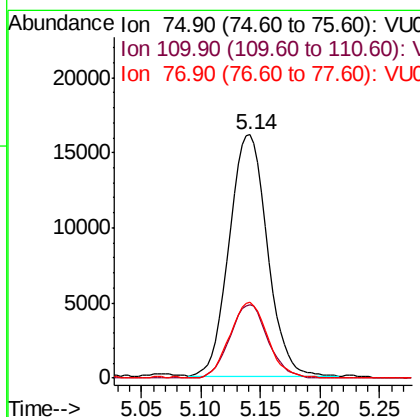
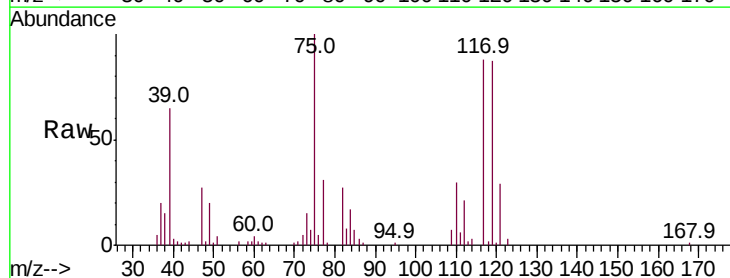
Manual Integrations
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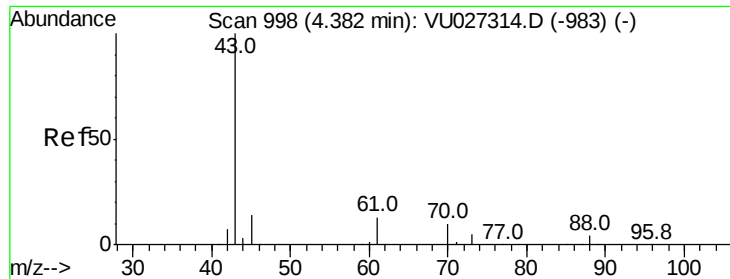
MMDadoda
 10/8/2018 1:52:27 PM



#36
 1,1-Dichloropropene
 Concen: 18.041 ug/l
 RT: 5.14 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	15.5	46.5
77	31.3	25.4	38.0





#37

Ethyl Acetate

Concen: 19.401 ug/l

RT: 4.39 min Scan# 999

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

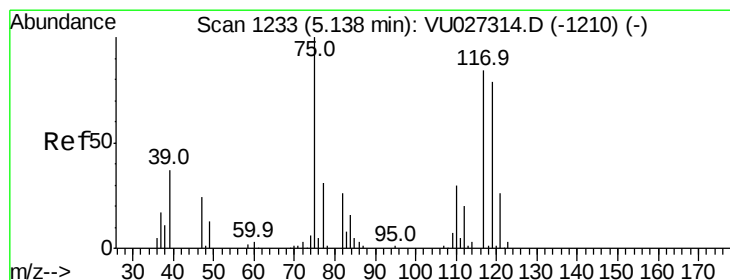
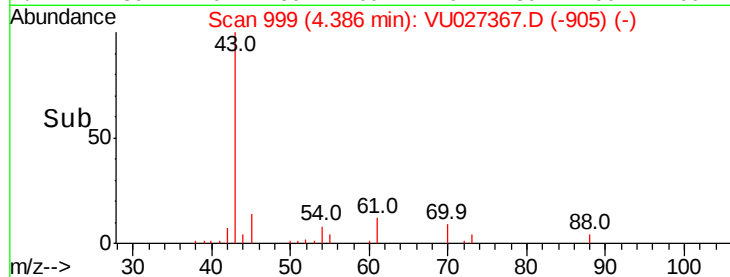
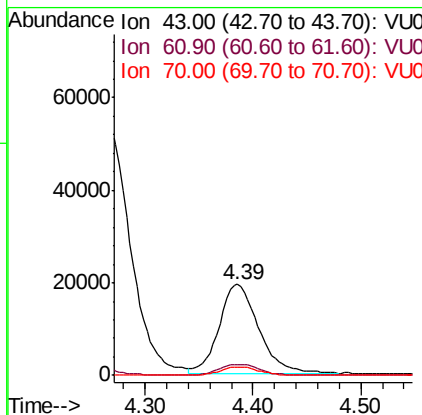
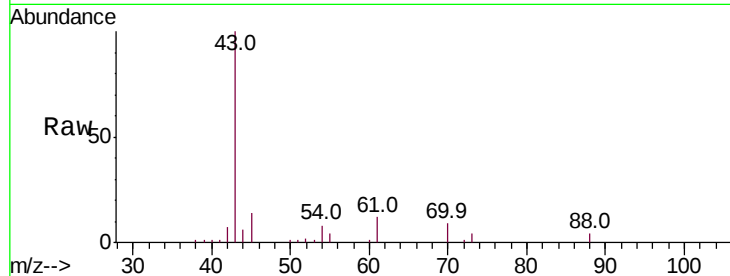
ClientSampleId :

VU1004WBS01

Tot Ion:	43	Resp:	49461
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.7	16.1
70	8.8	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.398 ug/l

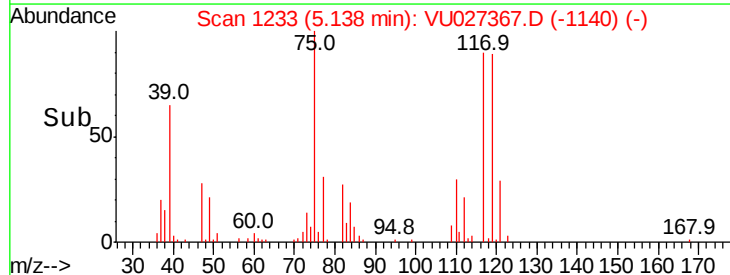
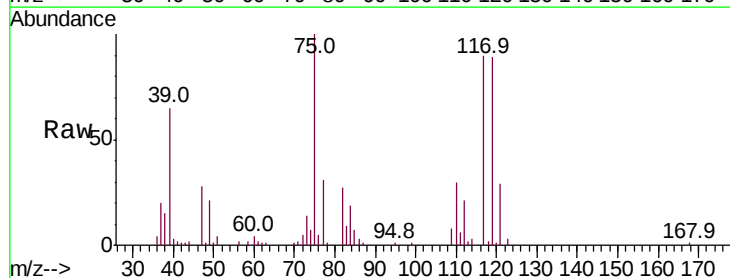
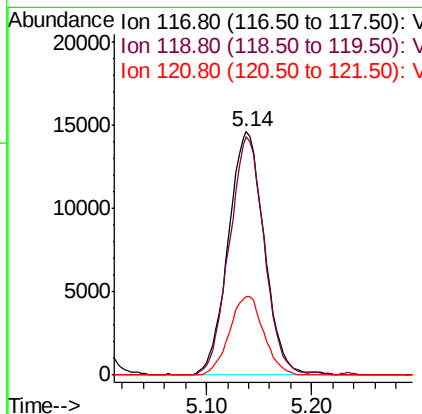
RT: 5.14 min Scan# 1233

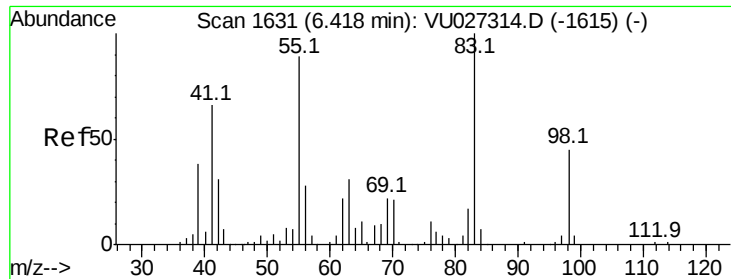
Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Tgt Ion:	117	Resp:	34564
Ion Ratio	Lower	Upper	
117	100		
119	98.0	74.5	111.7
121	32.2	24.6	37.0





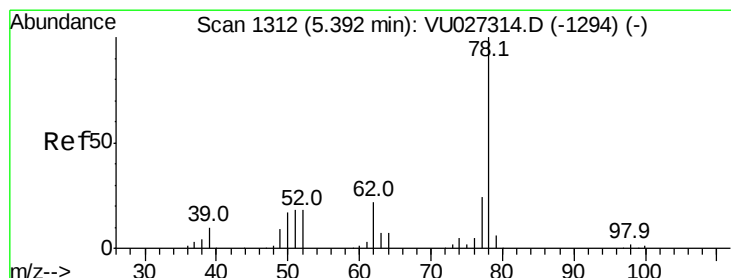
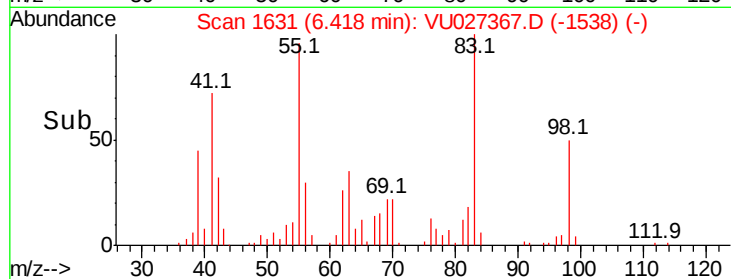
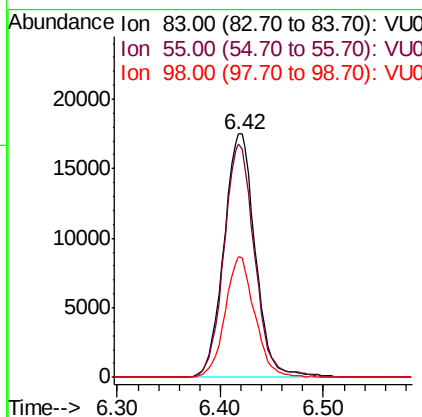
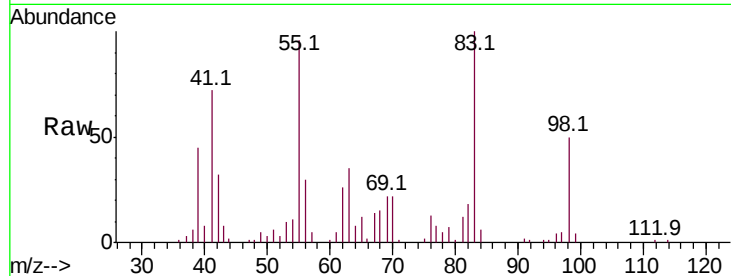
#39
Methvlcvclohexane
Concen: 16.080 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	83	Resp	37078
Ion	Ratio	Lower	Upper
83	100		
55	95.8	71.1	106.7
98	49.6	36.3	54.5

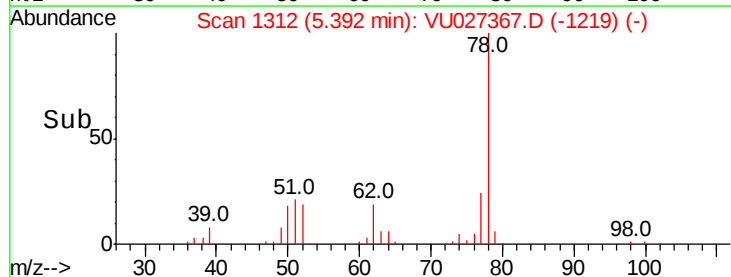
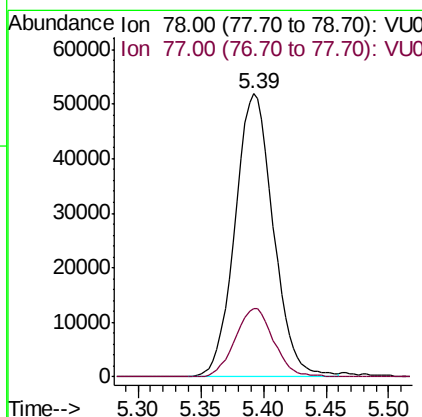
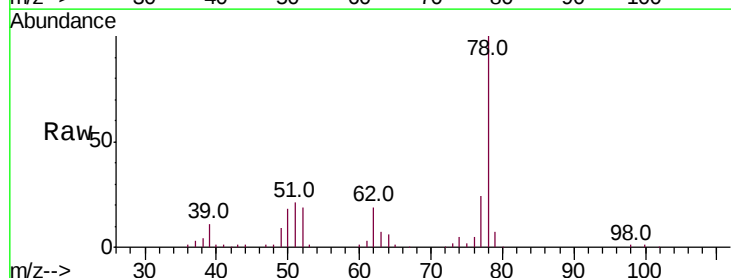
Manual Integrations
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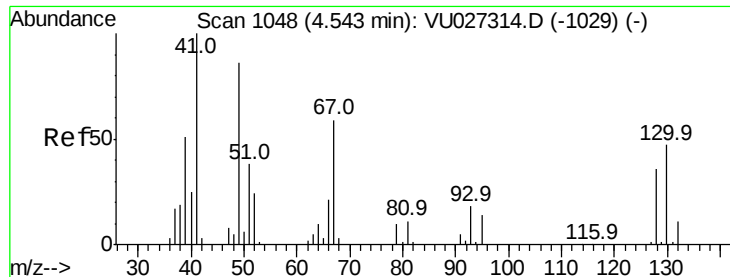
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#40
Benzene
Concen: 19.178 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	78	Resp	110198
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





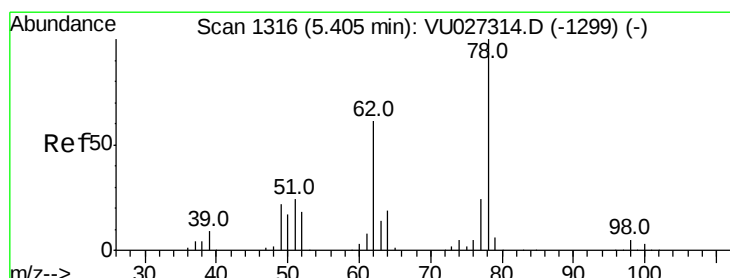
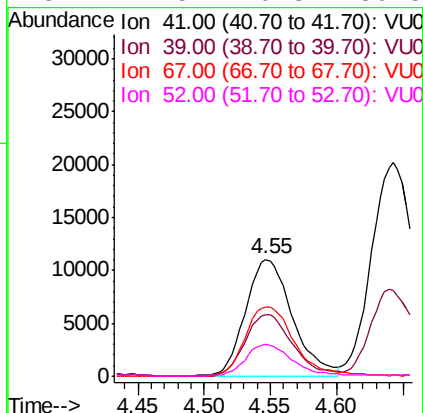
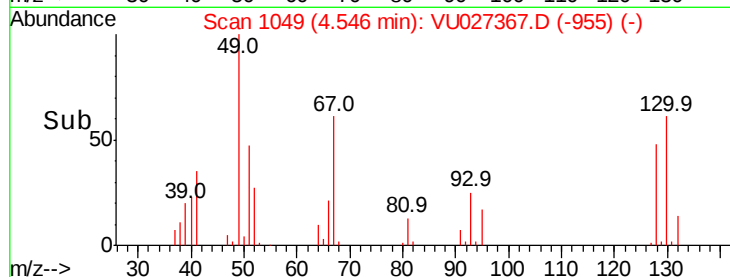
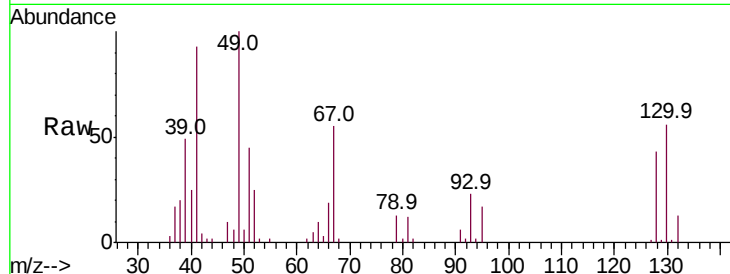
#41
Methacrylonitrile
Concen: 18.892 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.8	41.1	61.7	
67	62.1	50.4	75.6	
52	27.5	20.3	30.5	

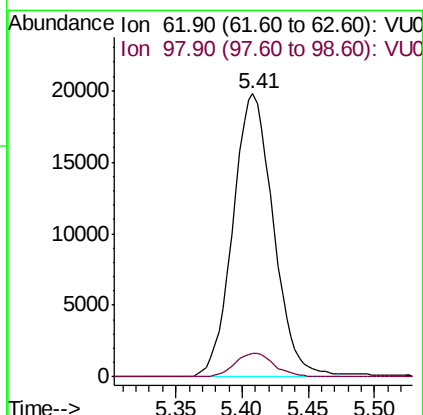
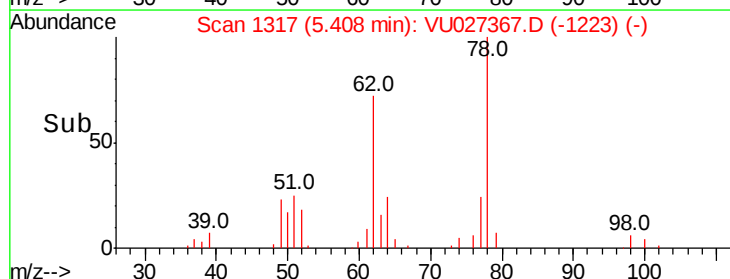
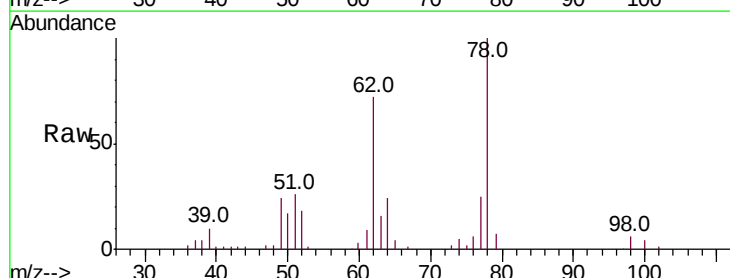
Manual Integrations
APPROVED

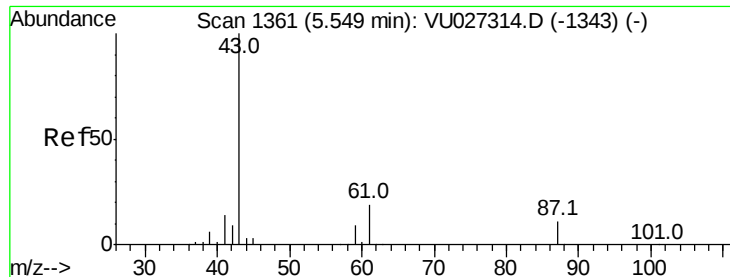
MMDadoda
10/8/2018 1:52:27 PM



#42
1,2-Dichloroethane
Concen: 19.724 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.8	





#43

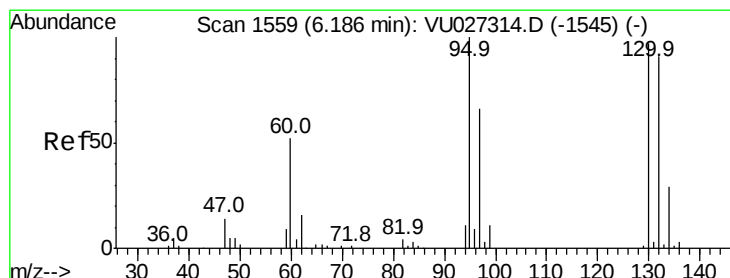
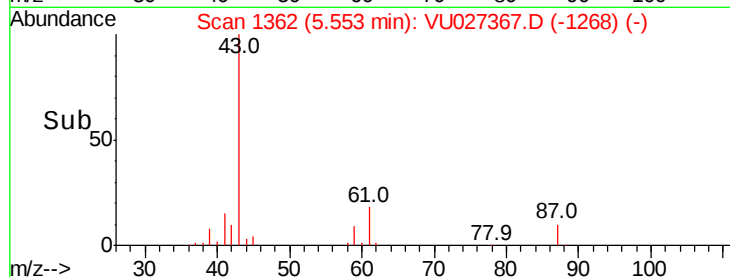
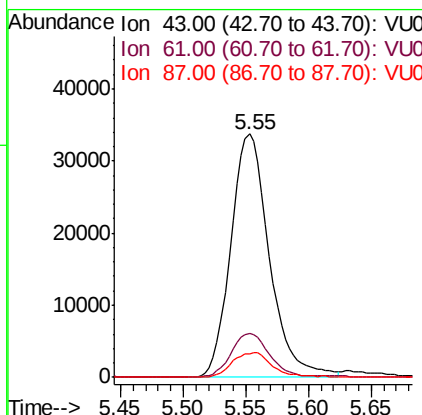
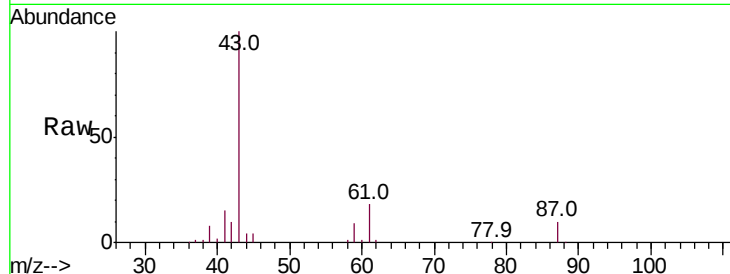
Isopropyl Acetate
 Concen: 18.270 ug/l
 RT: 5.55 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	43	61	87
Resp	72340		
Ratio	100	18.5	10.5
Lower		15.3	8.6
Upper		22.9	13.0

Manual Integrations
 APPROVED

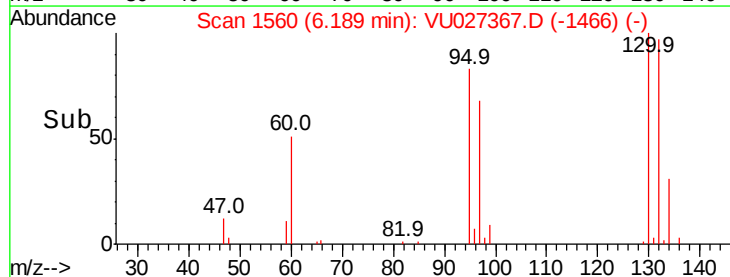
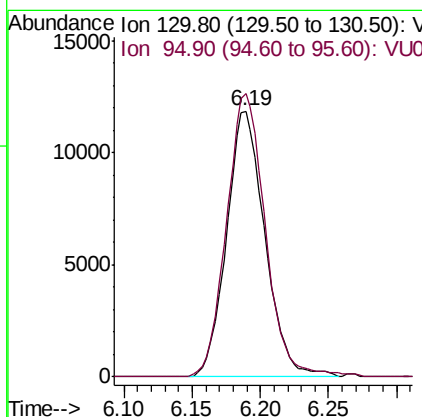
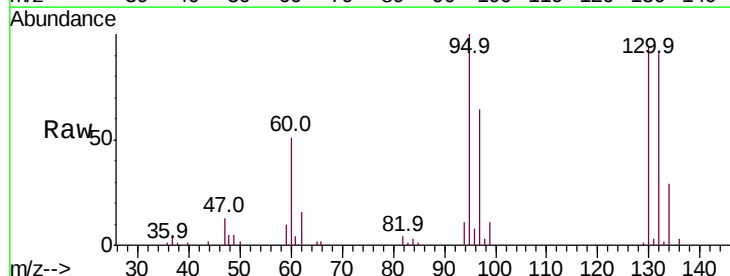
MMDadoda
 10/8/2018 1:52:27 PM

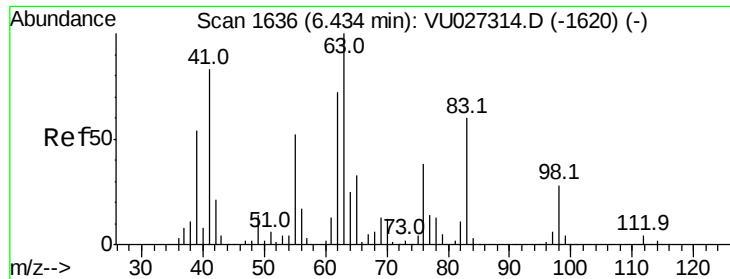


#44

Trichloroethene
 Concen: 18.089 ug/l
 RT: 6.19 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	130	95
Resp	23176	
Ratio	100	106.6
Lower		0.0
Upper		207.0





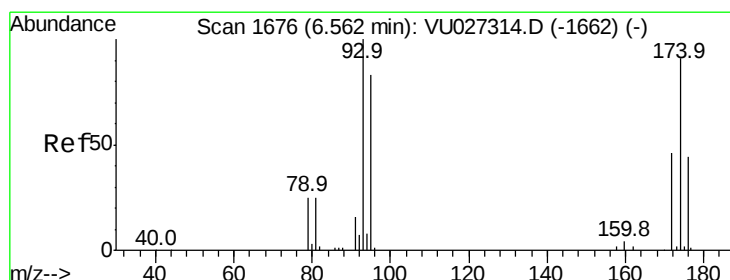
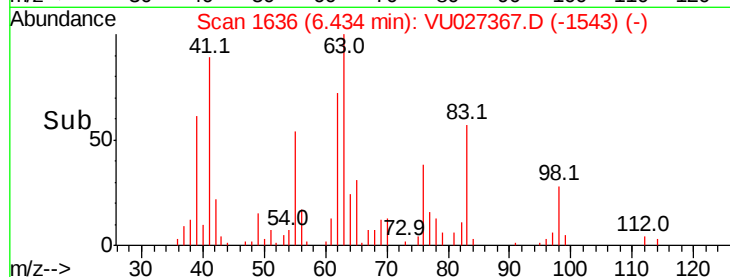
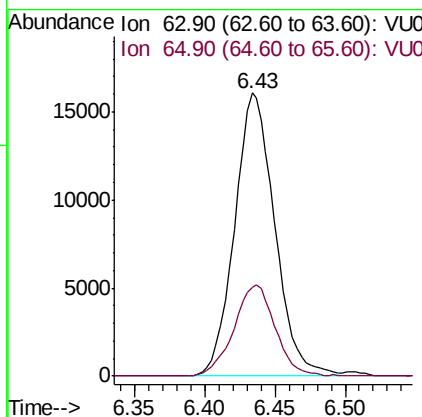
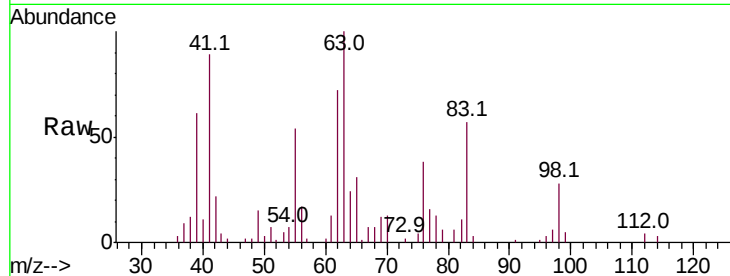
#45
 1,2-Dichloropropane
 Concen: 19.349 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion: 63 Resp: 32067
 Ion Ratio Lower Upper
 63 100
 65 31.3 26.0 39.0

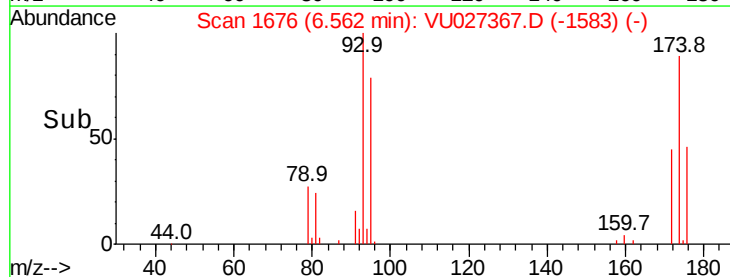
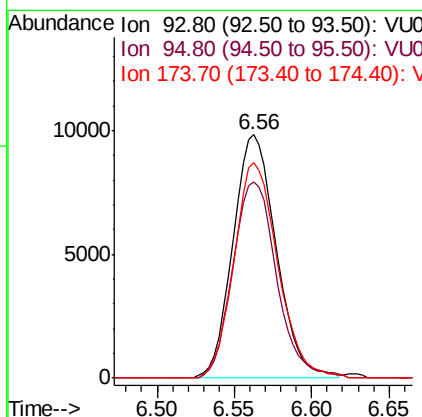
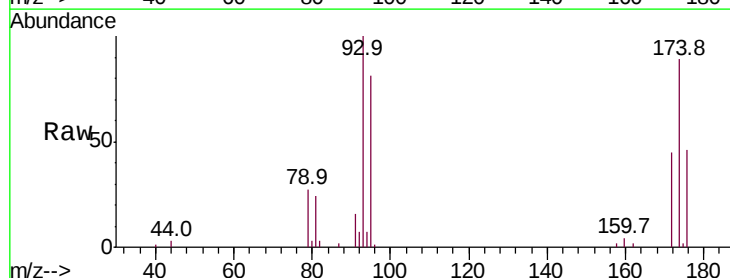
Manual Integrations
 APPROVED

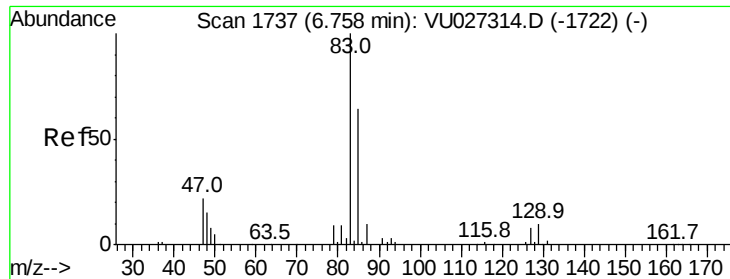
MMDadoda
 10/8/2018 1:52:27 PM



#46
 Dibromomethane
 Concen: 20.444 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion: 93 Resp: 19136
 Ion Ratio Lower Upper
 93 100
 95 81.7 66.5 99.7
 174 89.6 72.5 108.7





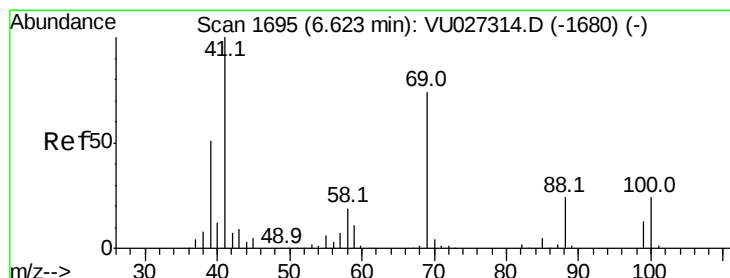
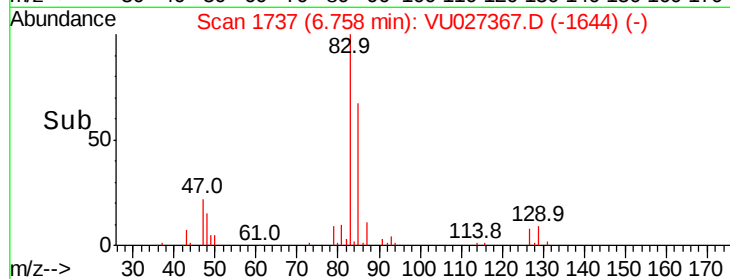
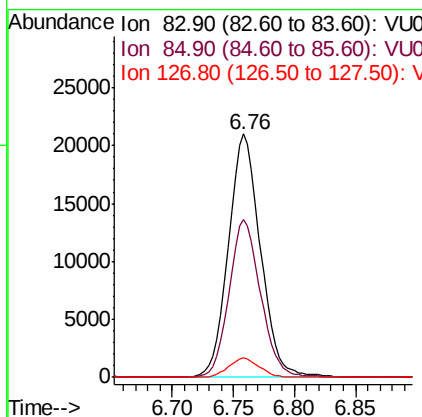
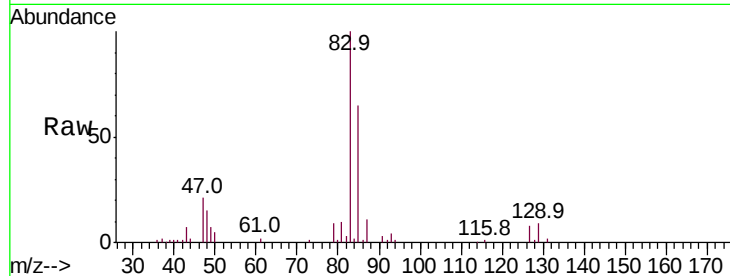
#47
Bromodichloromethane
Concen: 19.775 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.0	51.4	77.0	
127	8.0	6.3	9.5	

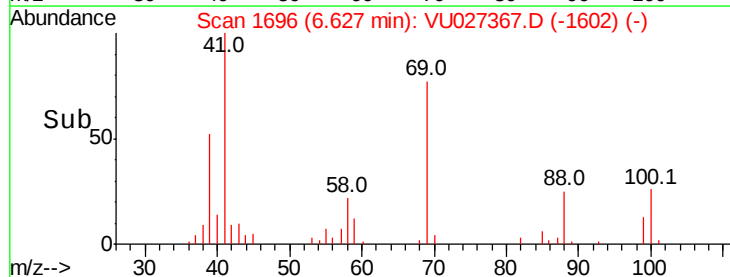
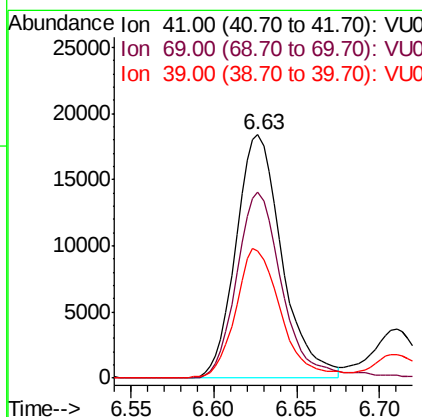
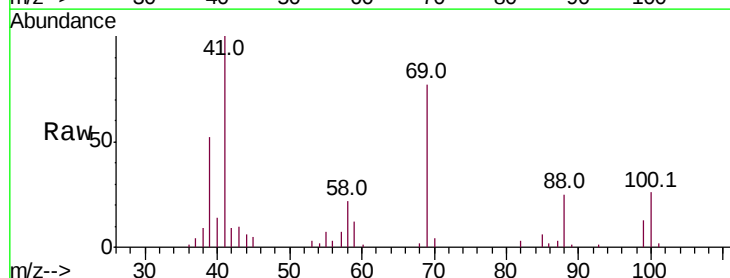
Manual Integrations
APPROVED

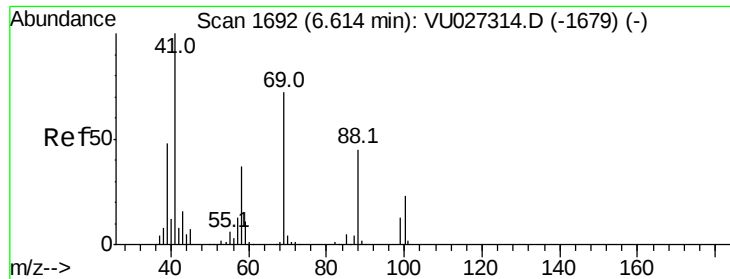
MMDadoda
10/8/2018 1:52:27 PM



#48
Methyl methacrylate
Concen: 18.075 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	76.2	61.0	91.4	
39	52.3	39.9	59.9	





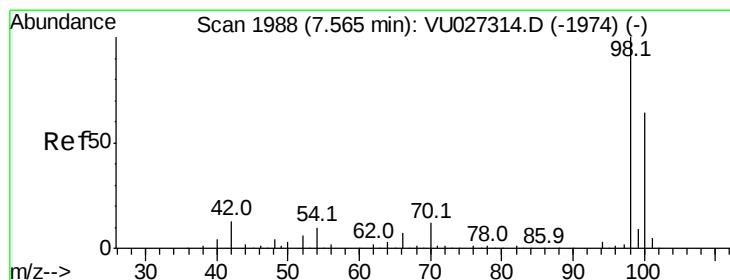
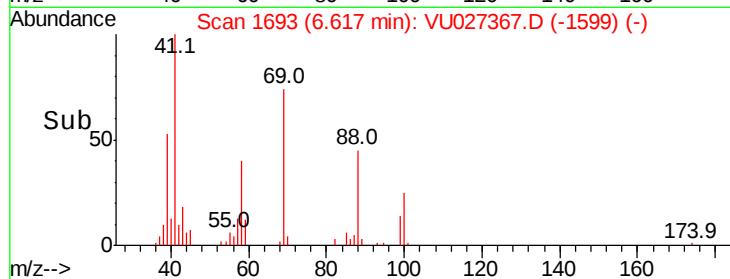
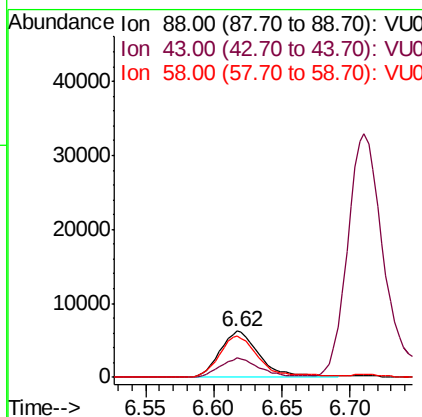
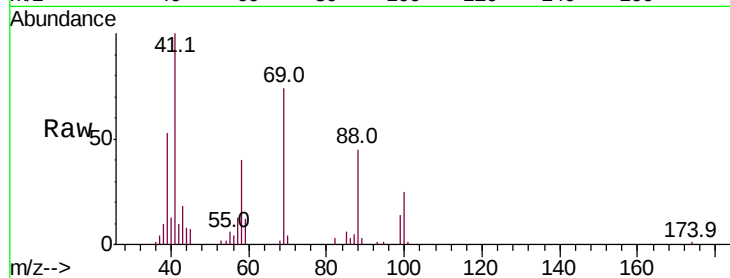
#49
1,4-Dioxane
Concen: 372.957 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	30.8	46.2
58	84.9	67.0	100.6

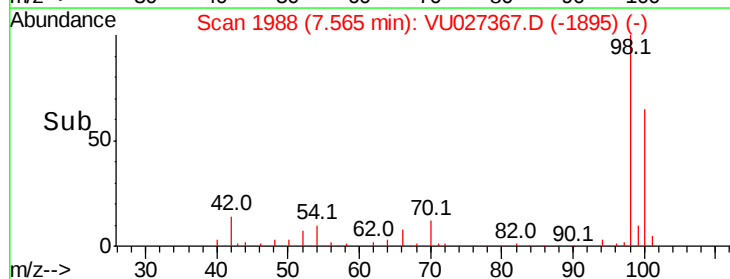
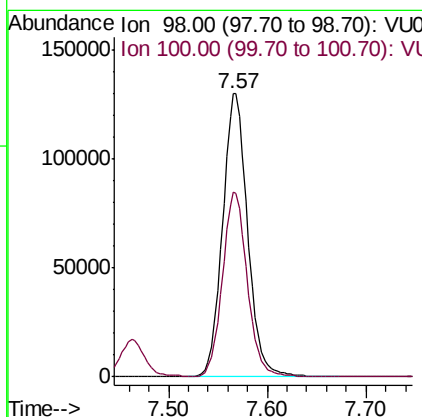
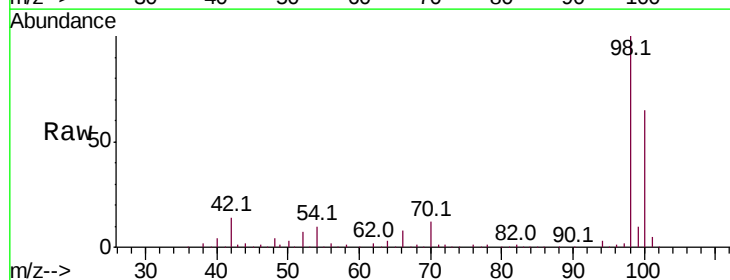
Manual Integrations
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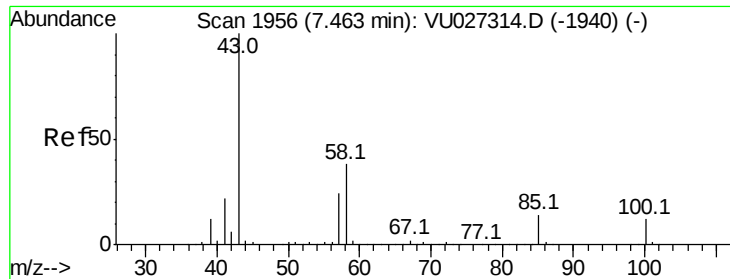
MMDadoda
10/8/2018 1:52:27 PM



#50
Toluene-d8
Concen: 49.764 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 97.980 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 43 Resp: 252094

Ion Ratio Lower Upper

43 100

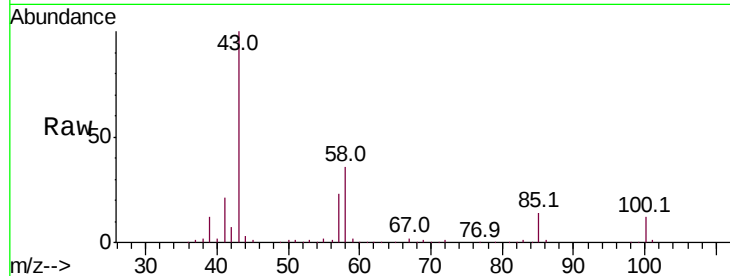
58 36.3 29.8 44.8

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:52:27 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

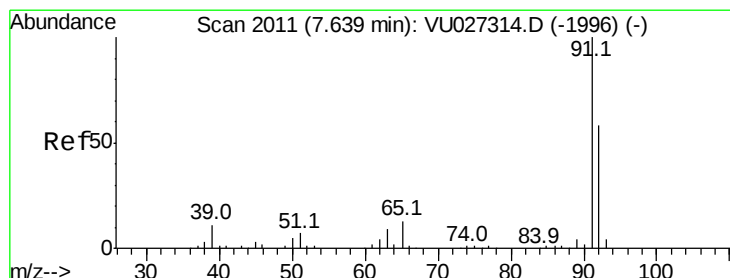
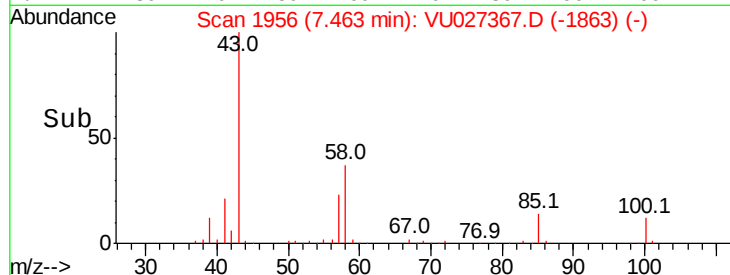
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.727 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027367.D

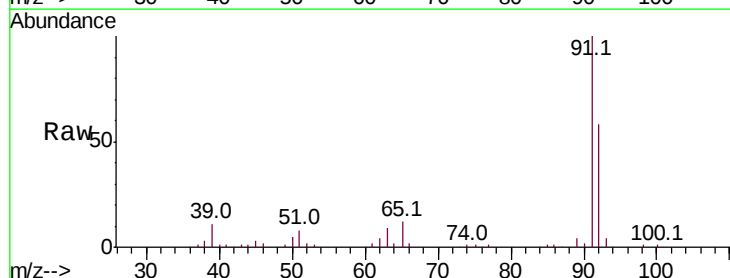
Acq: 03 Oct 2018 19:56

Tgt Ion: 92 Resp: 63689

Ion Ratio Lower Upper

92 100

91 174.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

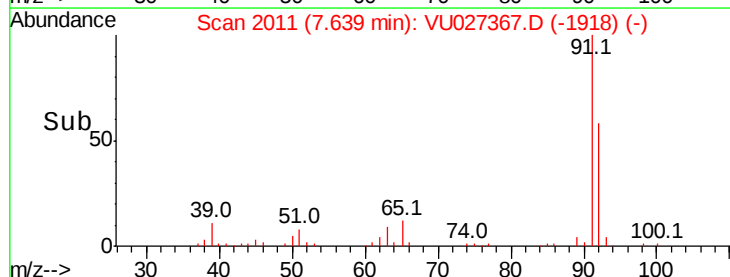
60000

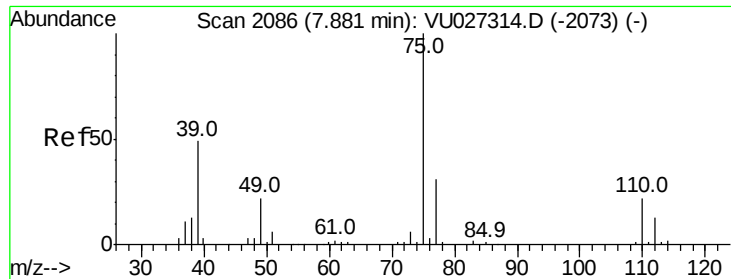
40000

20000

0

Time-->





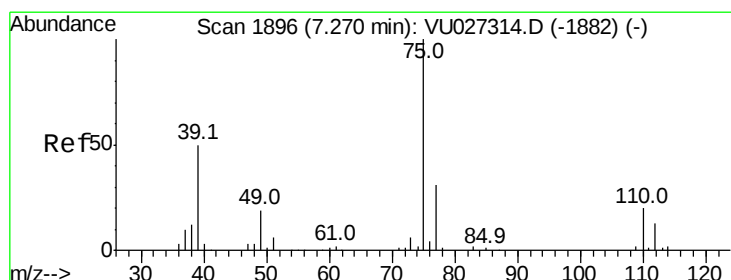
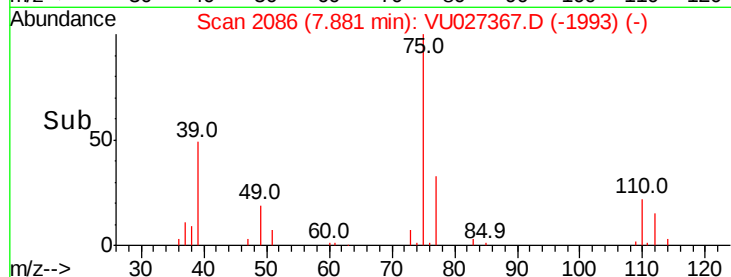
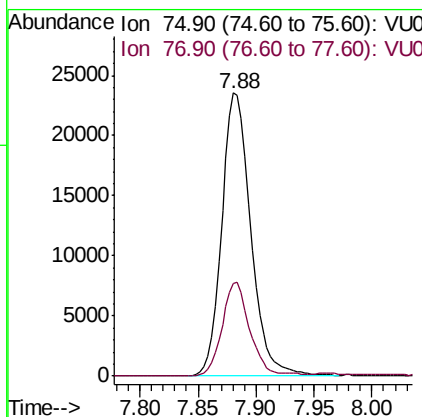
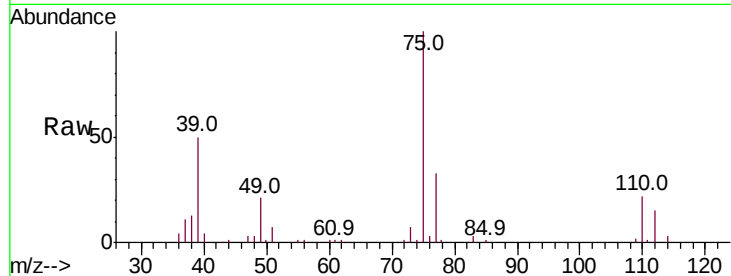
#53
t-1,3-Dichloropropene
Concen: 18.043 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion: 75 Resp: 41089
Ion Ratio Lower Upper
75 100
77 32.8 25.0 37.6

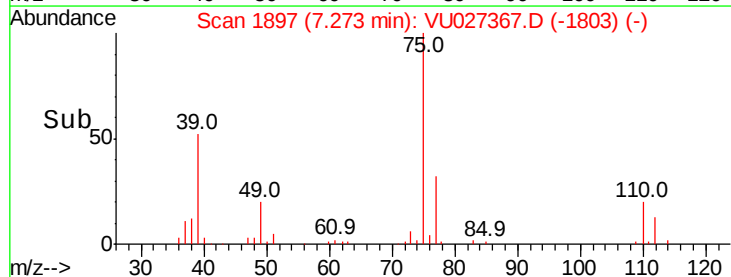
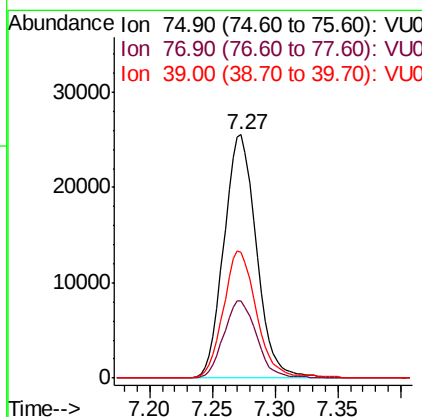
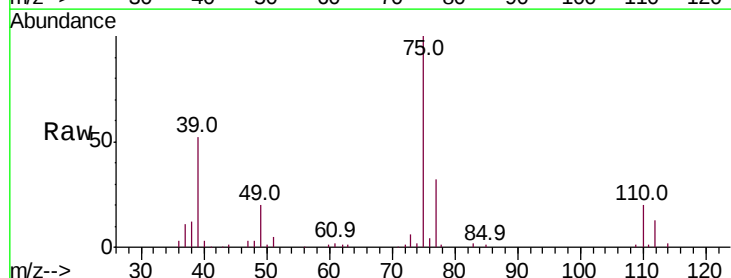
Manual Integrations
APPROVED

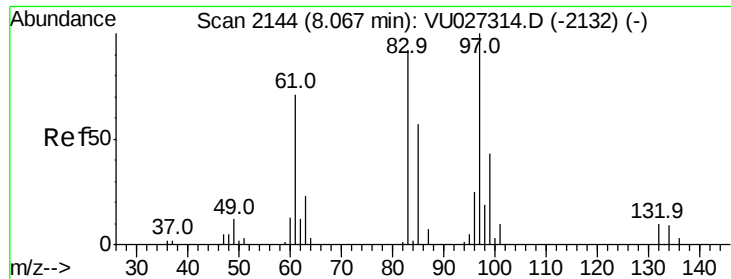
MMDadoda
10/8/2018 1:52:27 PM



#54
cis-1,3-Dichloropropene
Concen: 18.824 ug/l
RT: 7.27 min Scan# 1897
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion: 75 Resp: 46082
Ion Ratio Lower Upper
75 100
77 31.6 24.5 36.7
39 51.5 40.1 60.1





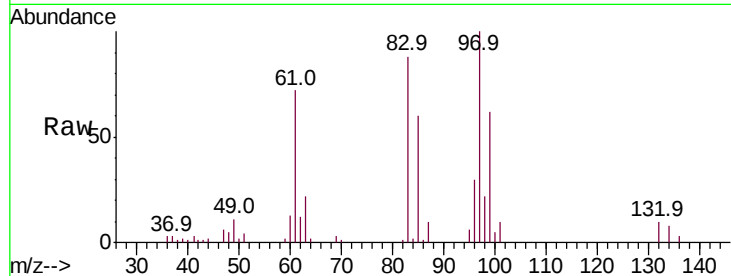
#55
1,1,2-Trichloroethane
Concen: 20.192 ug/l
RT: 8.07 min Scan# 2145
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	73.0	109.6
85	59.7	47.3	70.9
99	62.4	49.7	74.5

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:52:27 PM



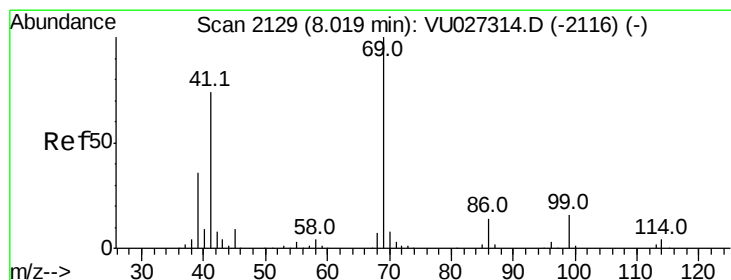
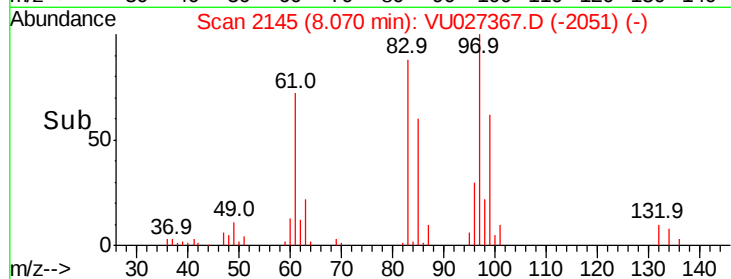
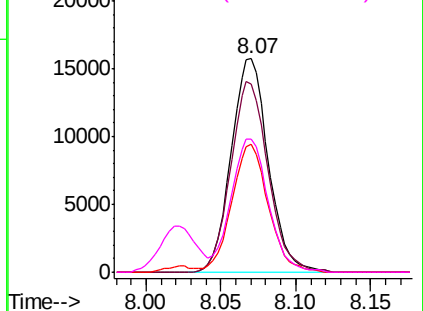
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

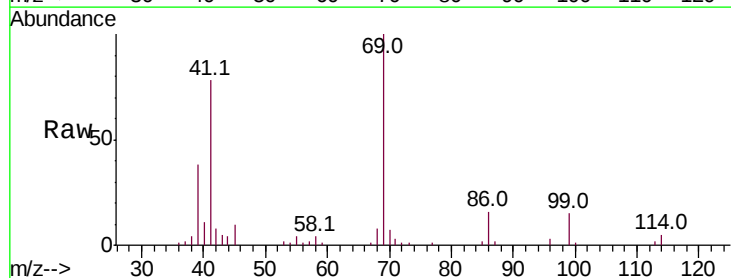
Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56
Ethyl methacrylate
Concen: 16.483 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
69	100		
41	77.2	60.0	90.0
39	38.7	29.5	44.3

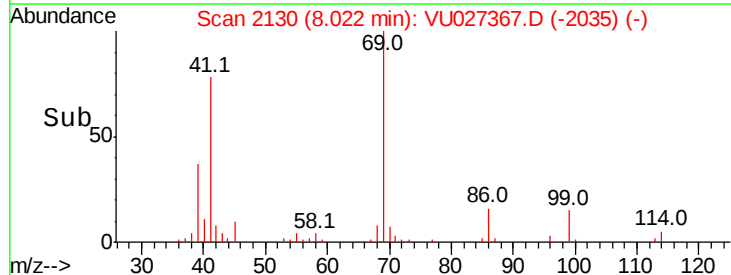
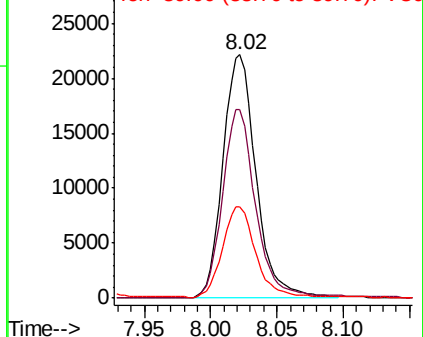


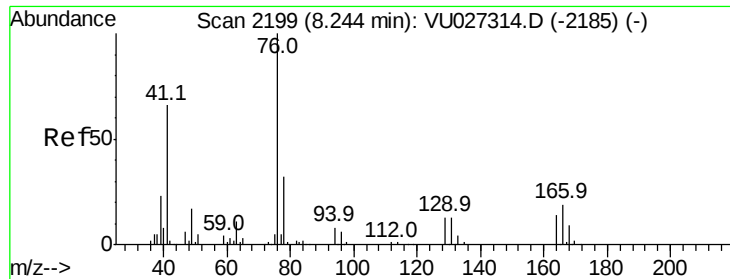
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 19.004 ug/l

RT: 8.24 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 76 Resp: 49746

Ion Ratio Lower Upper

76 100

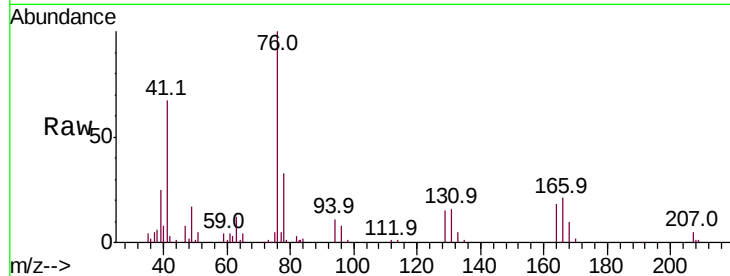
78 32.7 25.8 38.6

Manual Integrations

APPROVED

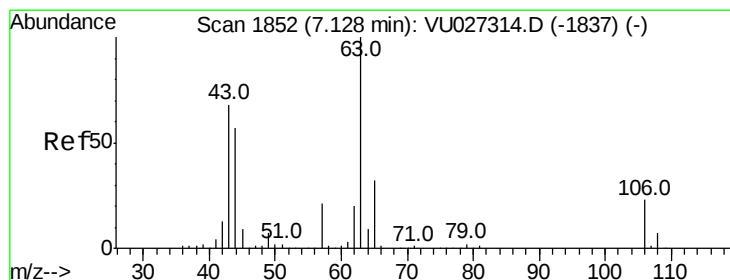
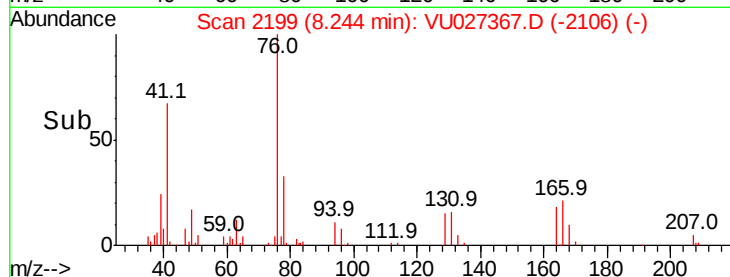
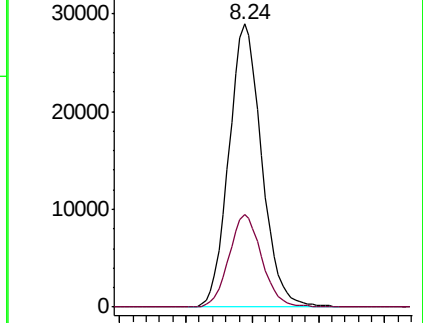
MMDadoda

10/8/2018 1:52:27 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 95.981 ug/l

RT: 7.13 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VU027367.D

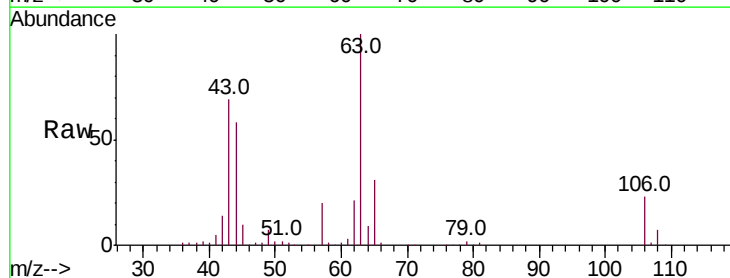
Acq: 03 Oct 2018 19:56

Tgt Ion: 63 Resp: 128672

Ion Ratio Lower Upper

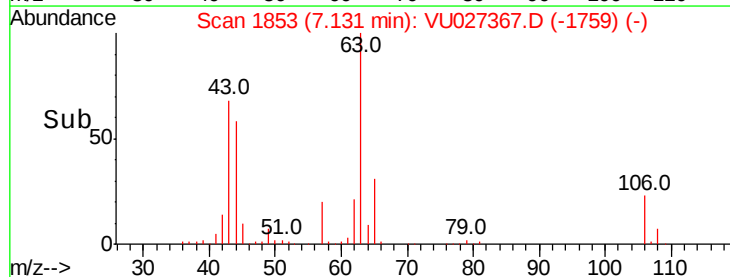
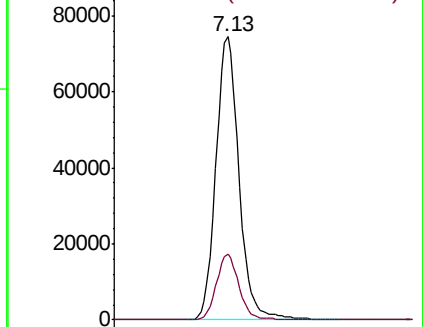
63 100

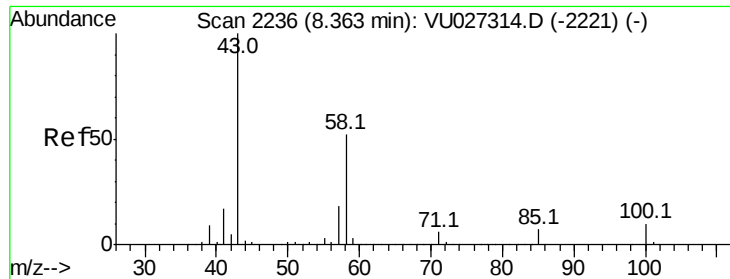
106 22.7 18.5 27.7



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





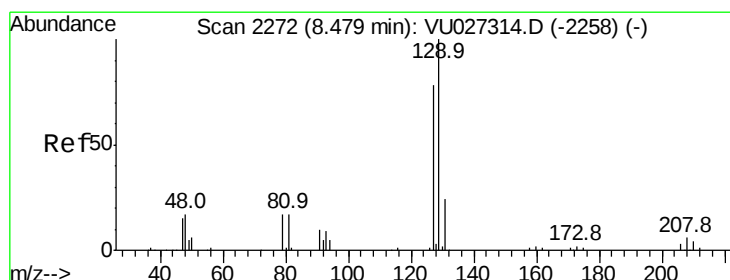
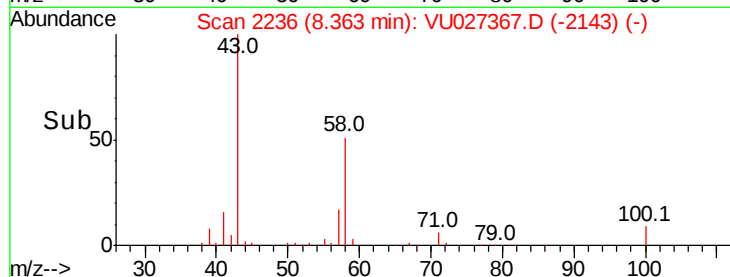
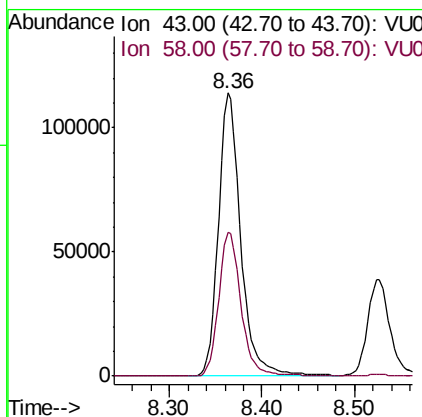
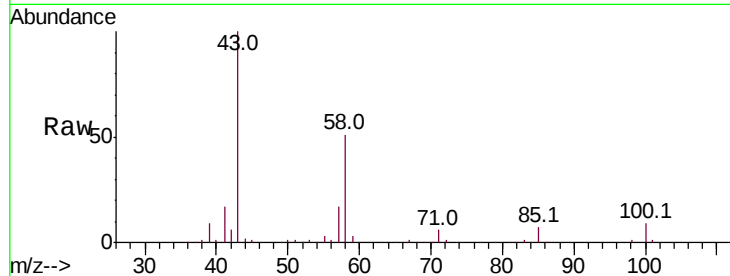
#59
2-Hexanone
Concen: 95.375 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	26.1	78.3

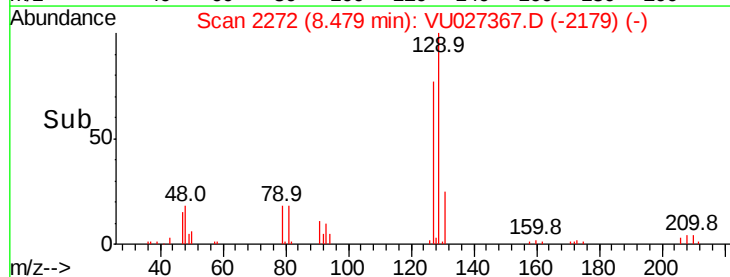
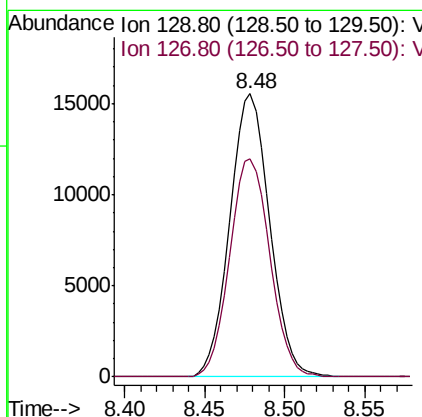
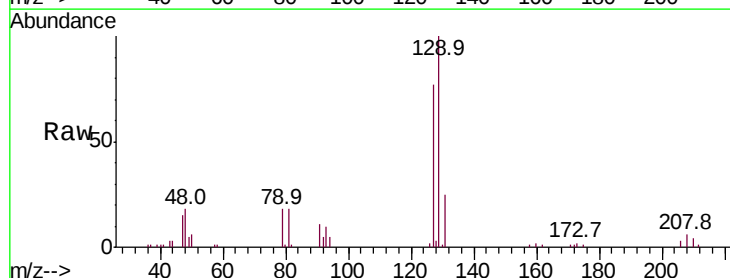
Manual Integrations
APPROVED

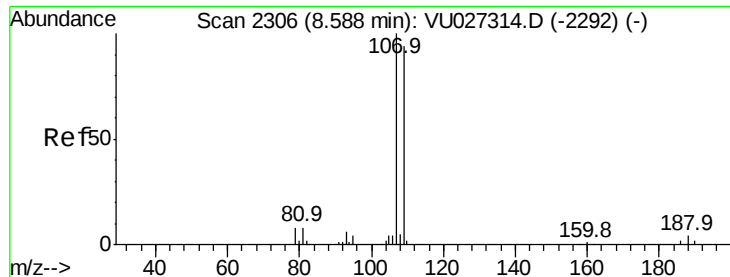
MMDadoda
10/8/2018 1:52:27 PM



#60
Dibromochloromethane
Concen: 19.539 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2





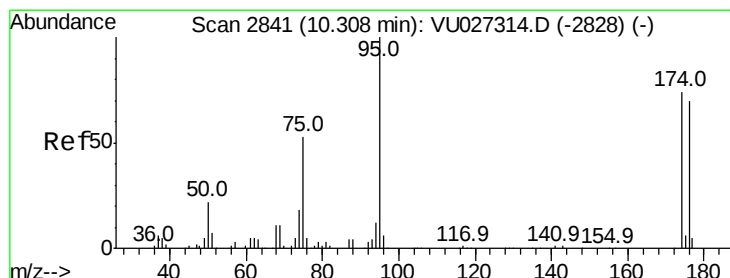
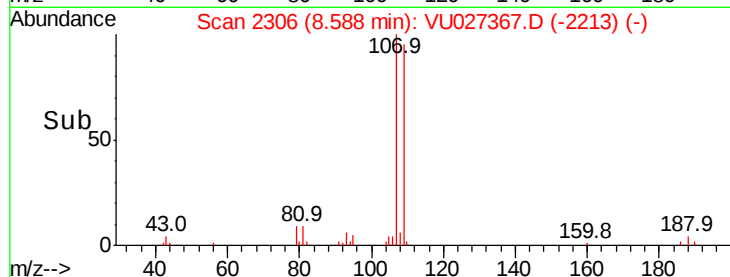
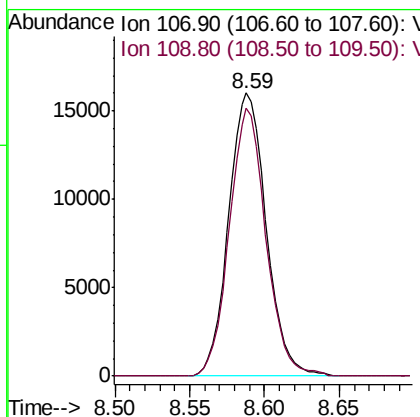
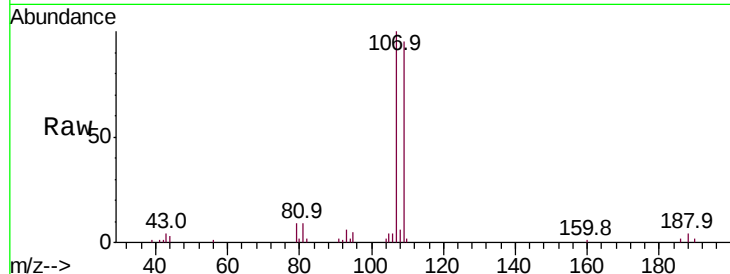
#61
 1,2-Dibromoethane
 Concen: 19.522 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.5	111.7

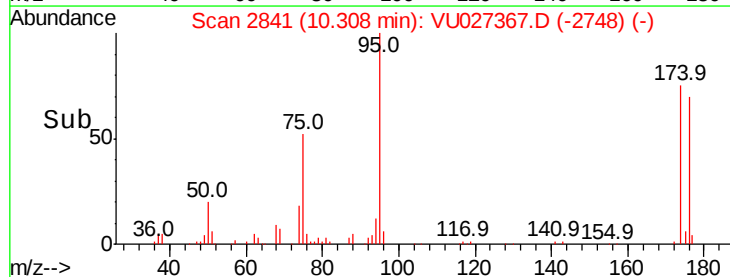
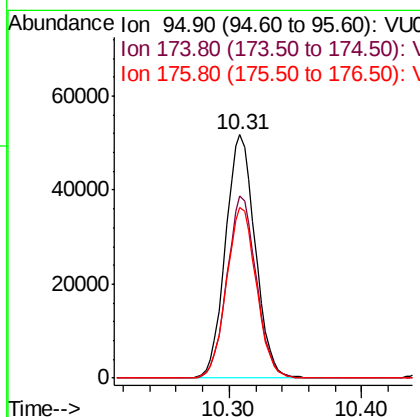
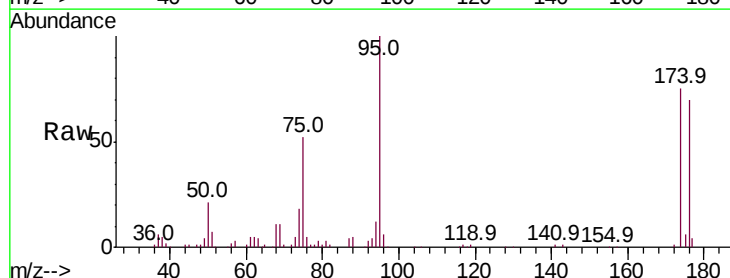
Manual Integrations
 APPROVED

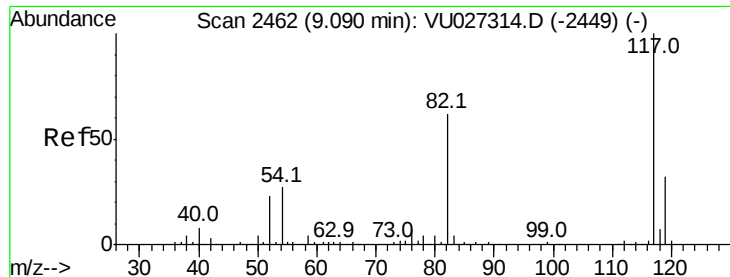
MMDadoda
 10/8/2018 1:52:27 PM



#62
 4-Bromofluorobenzene
 Concen: 46.488 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	147.8
176	70.6	0.0	140.8





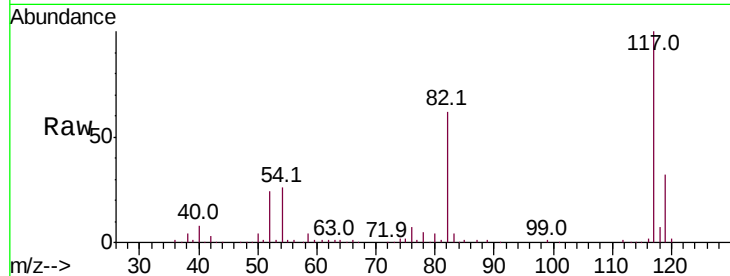
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	167311		
82	62.3	49.2	73.8	
119	32.2	25.7	38.5	

Manual Integrations
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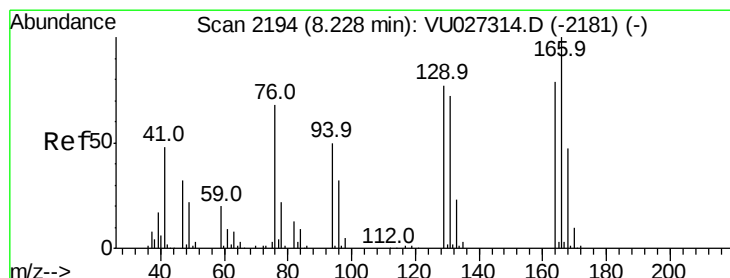
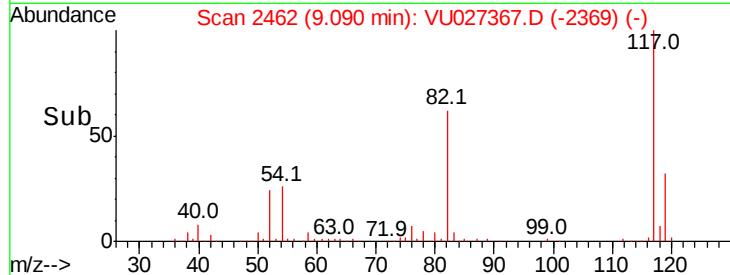
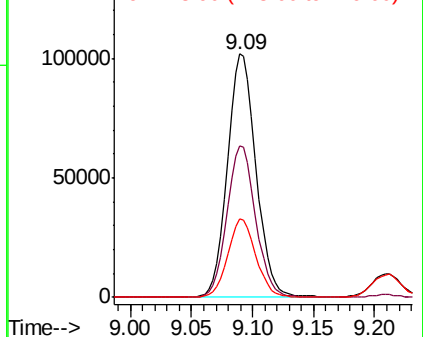


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.050 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	19841		
166	126.4	101.0	151.6	
129	97.1	78.0	117.0	
131	89.6	72.6	109.0	

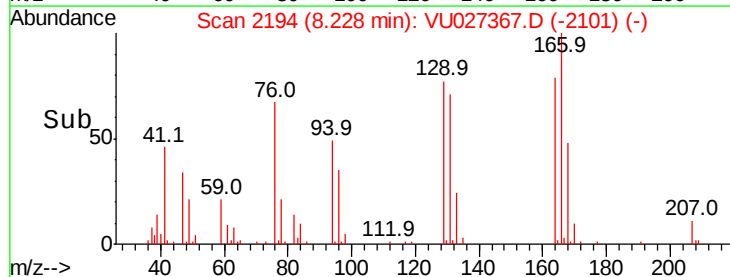
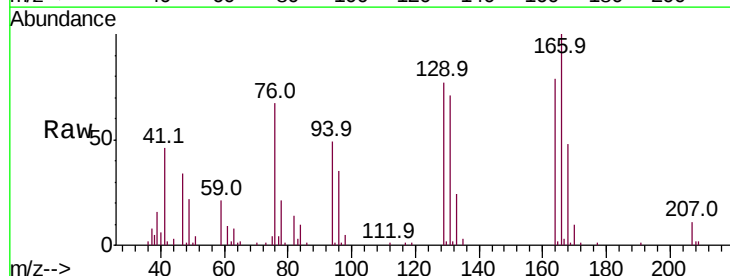
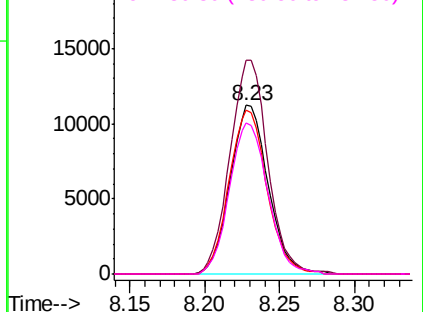
Abundance

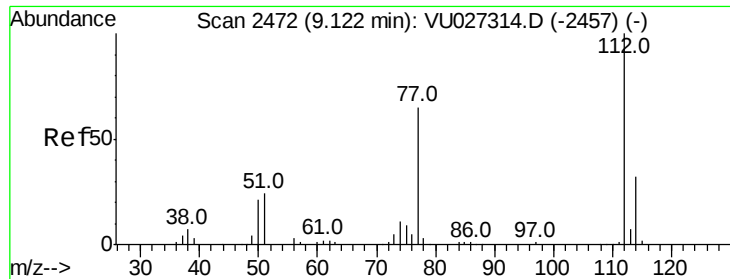
Ion 163.80 (163.50 to 164.50): V

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





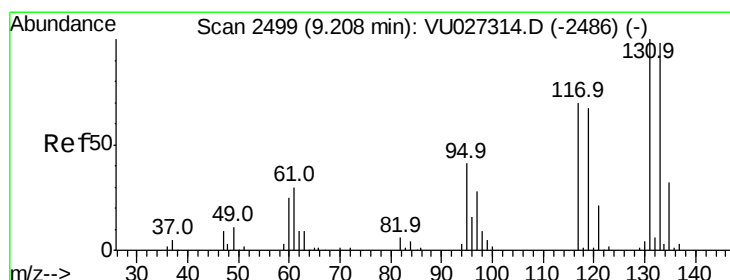
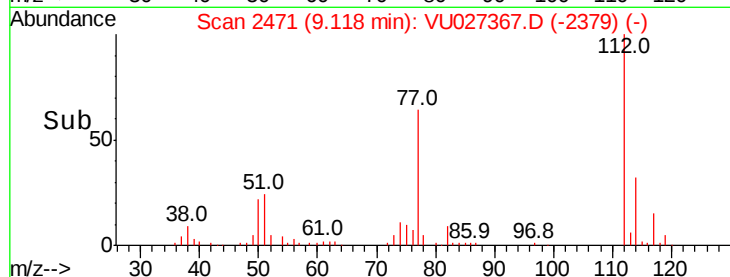
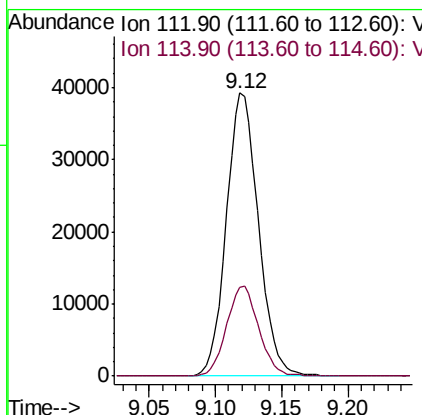
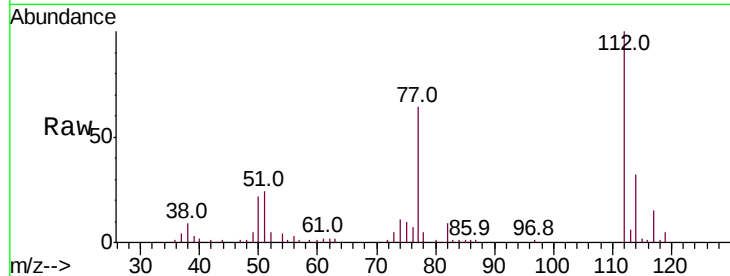
#65
Chlorobenzene
Concen: 18.743 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion:112 Resp: 66008
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6

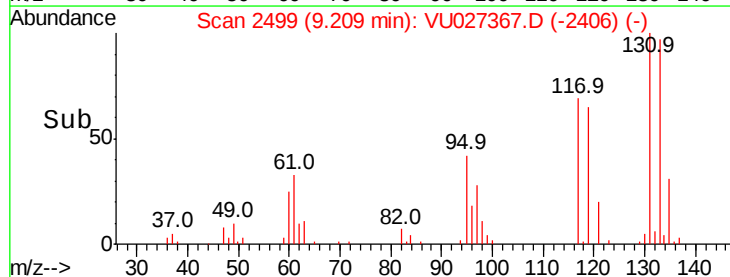
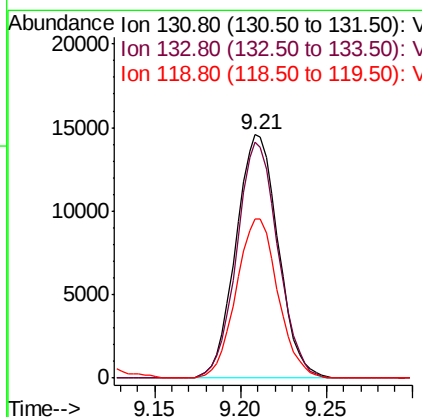
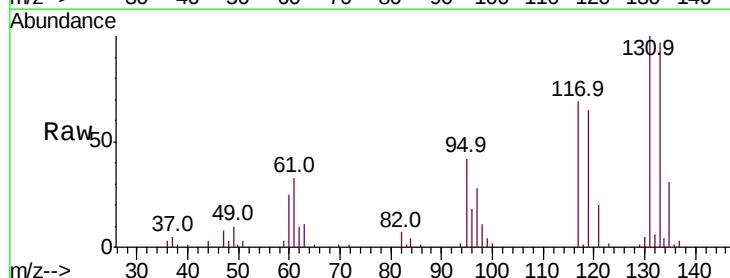
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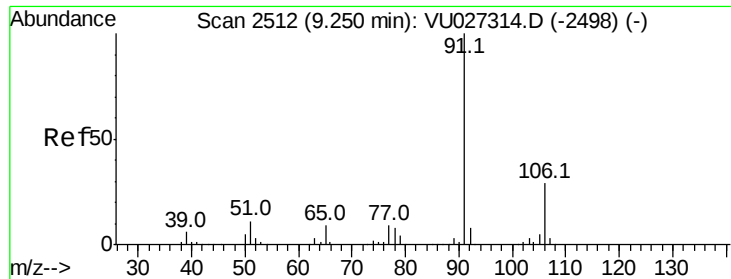
MMDadoda
10/8/2018 1:52:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.396 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion:131 Resp: 24797
Ion Ratio Lower Upper
131 100
133 94.6 48.5 145.6
119 64.7 33.5 100.4





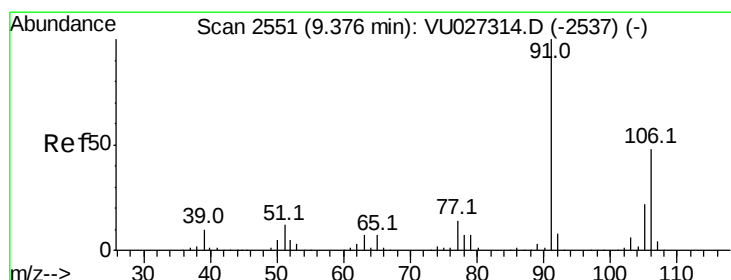
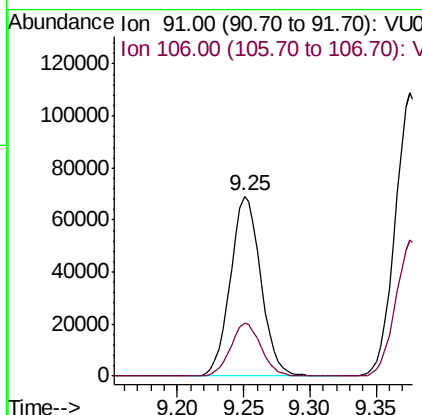
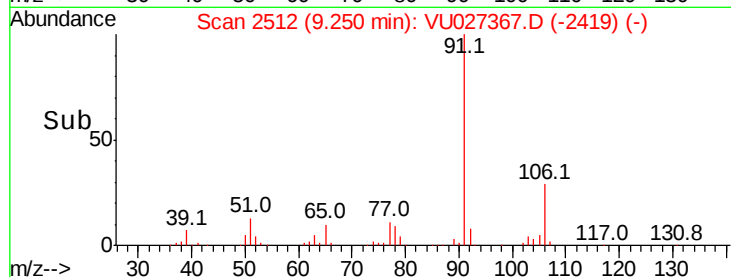
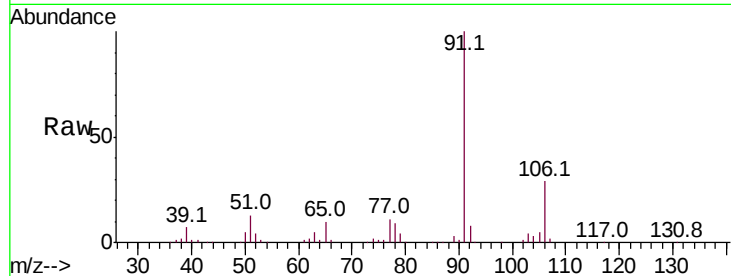
#67
Ethyl Benzene
Concen: 17.666 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion: 91 Resp: 110229
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

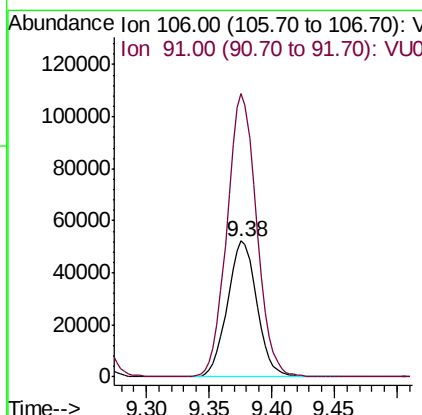
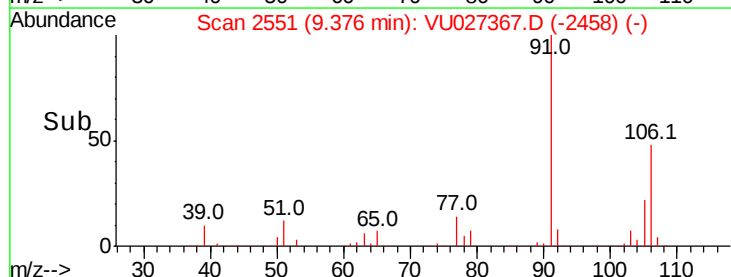
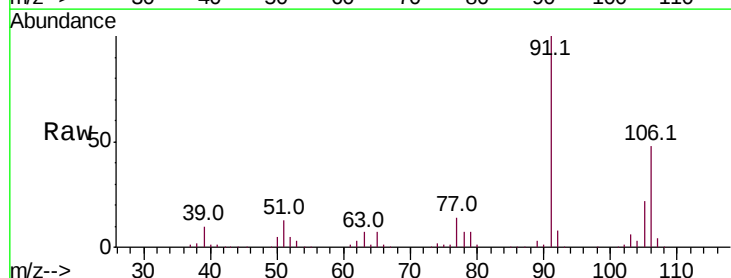
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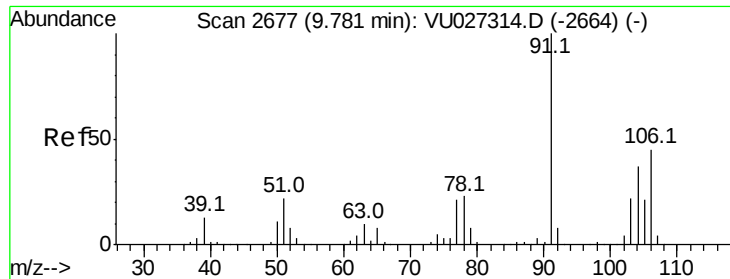
MMDadoda
10/8/2018 1:52:27 PM



#68
m/p-Xylenes
Concen: 37.383 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion: 106 Resp: 85322
Ion Ratio Lower Upper
106 100
91 208.4 168.1 252.1





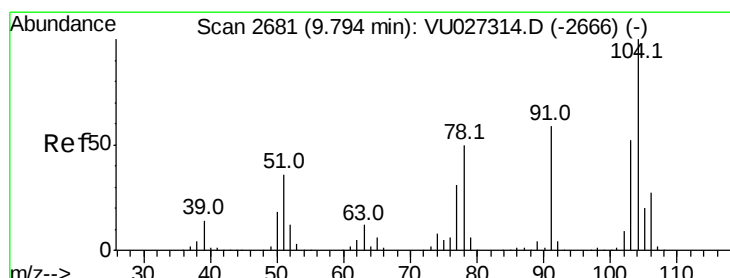
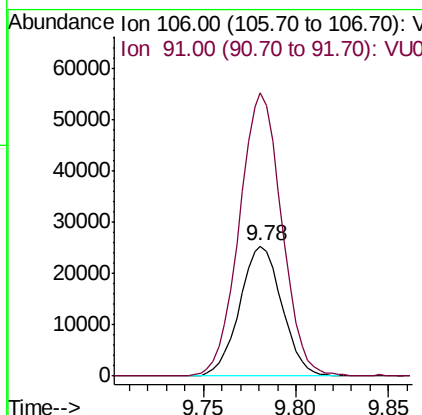
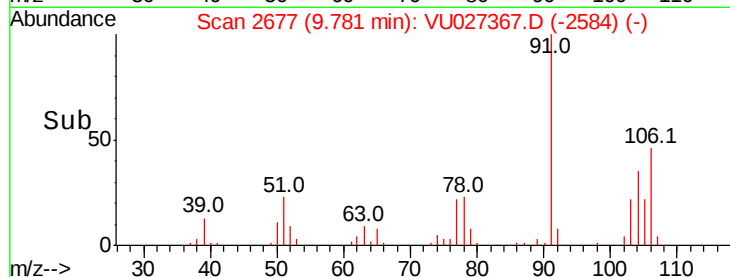
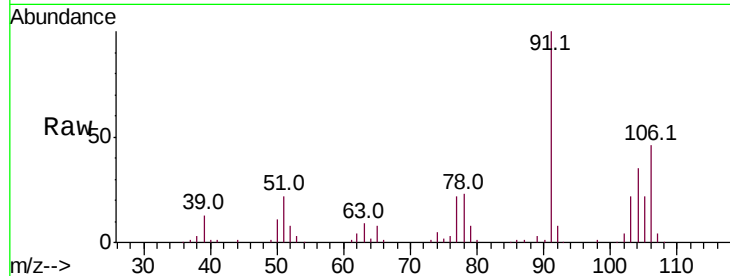
#69
o-Xylene
Concen: 18.510 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion:106 Resp: 40147
Ion Ratio Lower Upper
106 100
91 218.5 111.7 334.9

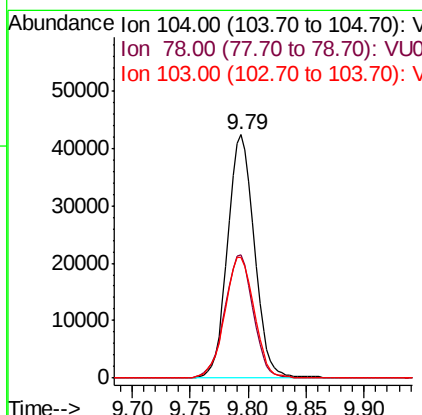
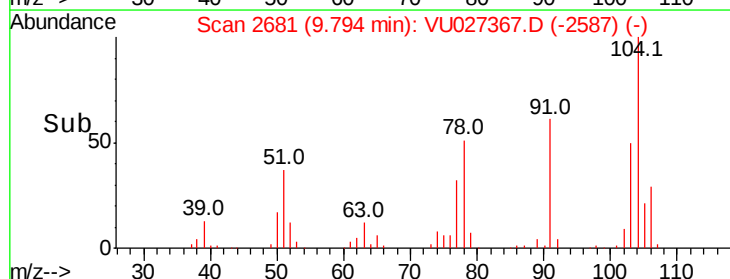
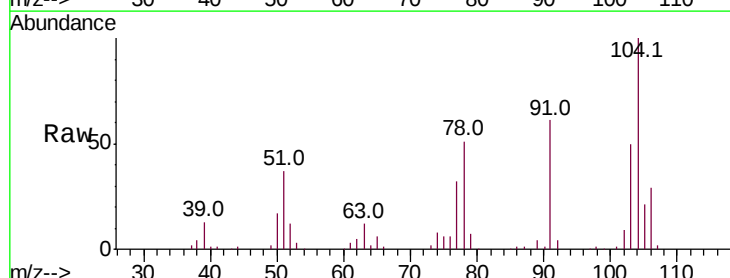
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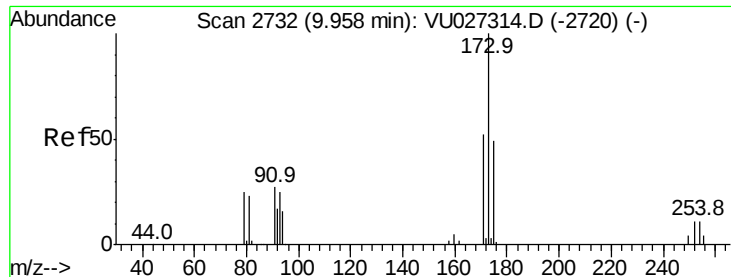
MMDadoda
10/8/2018 1:52:27 PM



#70
Styrene
Concen: 18.202 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion:104 Resp: 67582
Ion Ratio Lower Upper
104 100
78 53.7 42.9 64.3
103 54.5 43.9 65.9





#71

Bromoform

Concen: 19.048 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

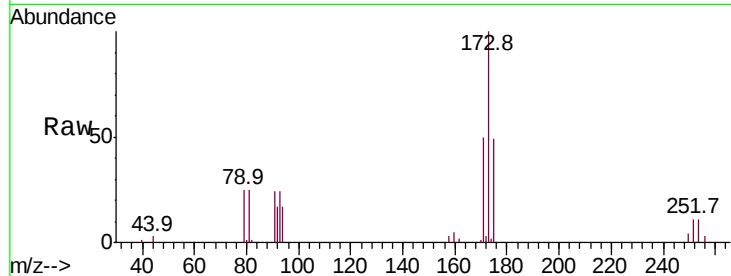
ClientSampleId :

VU1004WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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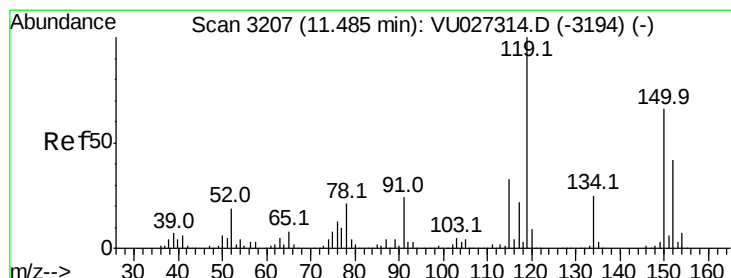
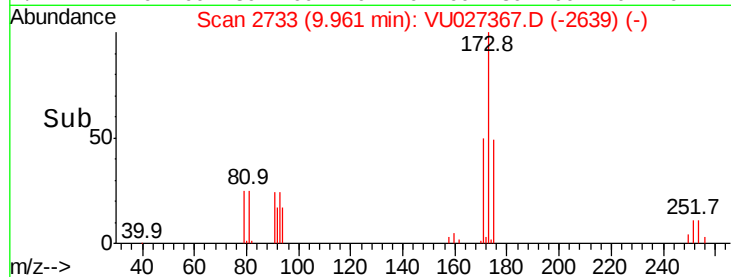
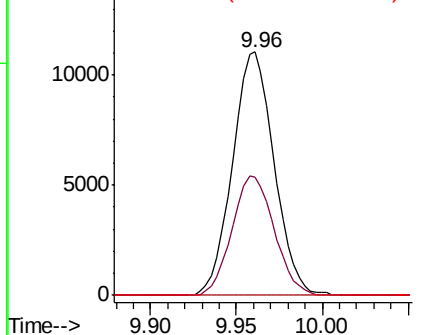


Abundance

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: VU027367.D

Acq: 03 Oct 2018 19:56

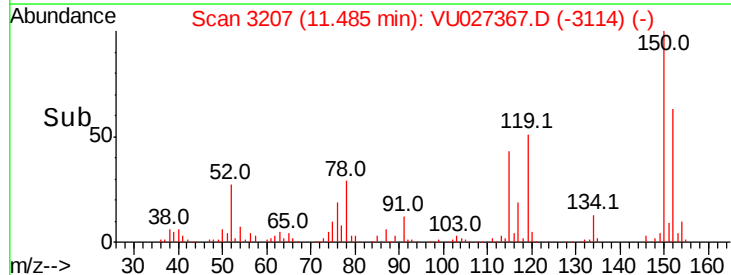
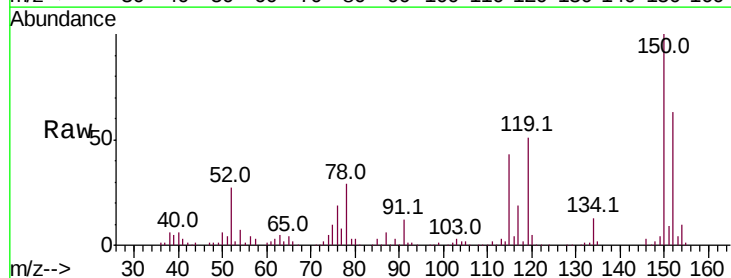
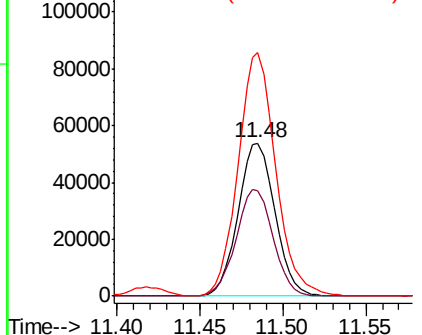
Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.5	43.4	130.2
150	163.1	0.0	349.2

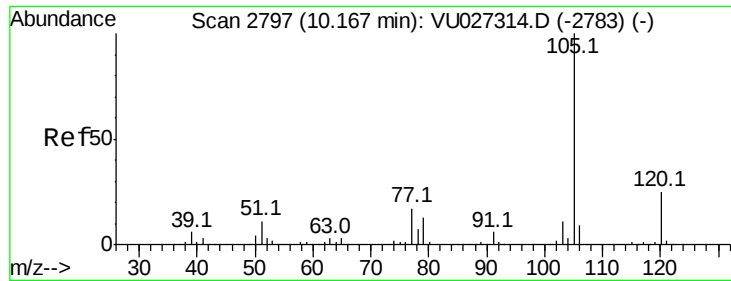
Abundance

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





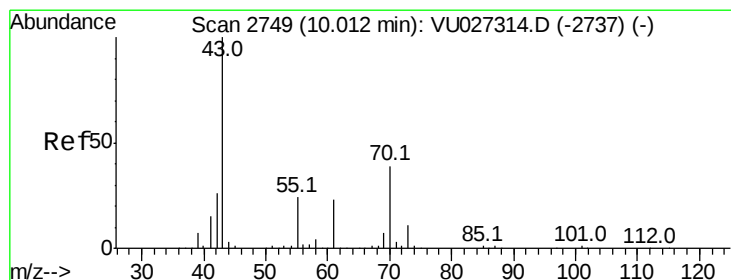
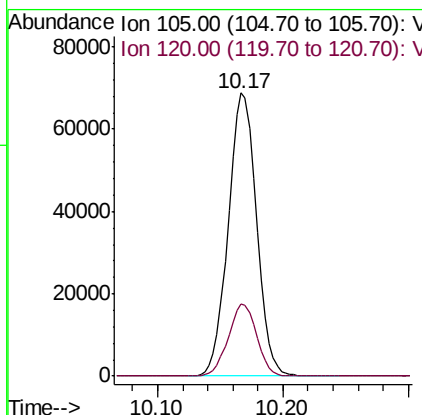
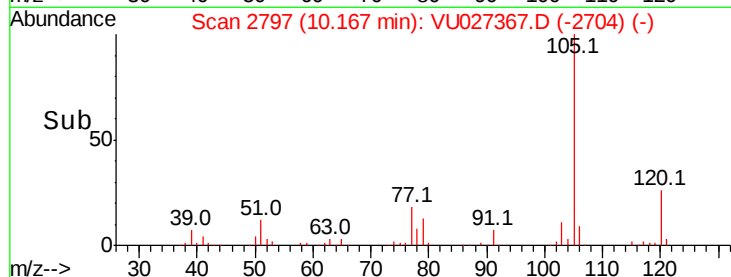
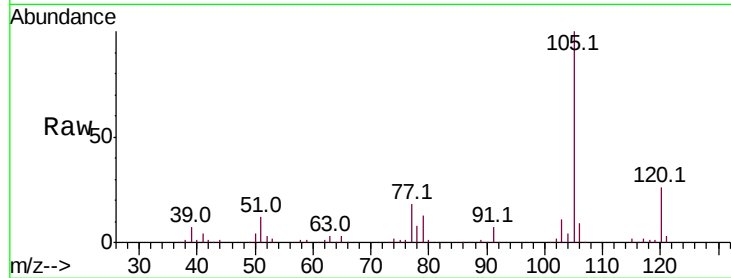
#73
Isopropylbenzene
Concen: 17.816 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion: 105 Resp: 107541
Ion Ratio Lower Upper
105 100
120 25.5 12.6 37.8

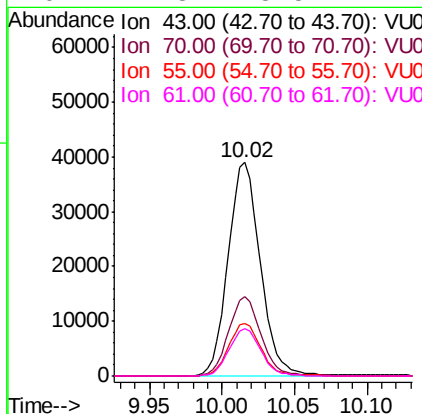
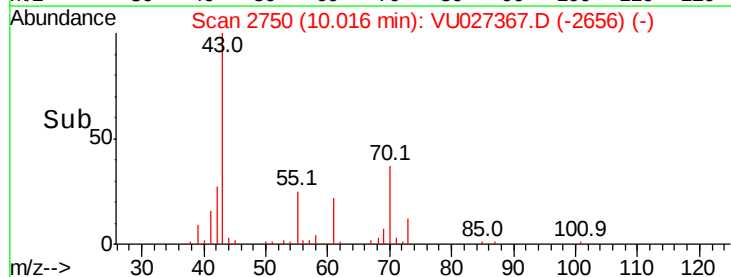
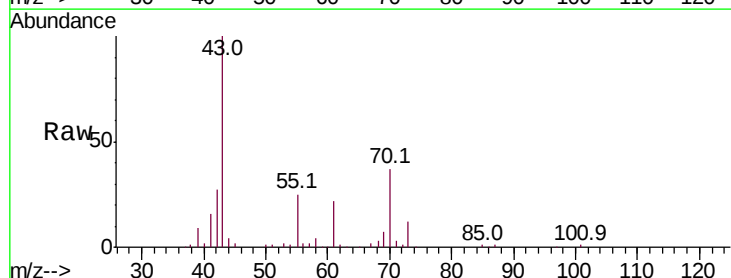
Manual Integrations
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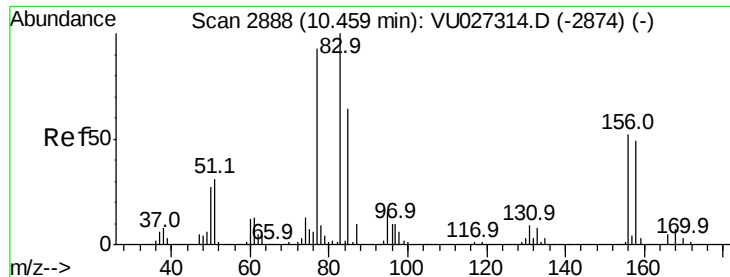
MMDadoda
10/8/2018 1:52:27 PM



#74
N-ethyl acetate
Concen: 17.446 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion: 43 Resp: 60286
Ion Ratio Lower Upper
43 100
70 37.3 31.3 46.9
55 24.9 19.0 28.6
61 21.8 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.053 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampleId :

VU1004WBS01

Tot Ion: 83 Resp: 47529

Ion Ratio Lower Upper

83 100

131 8.5 4.4 13.2

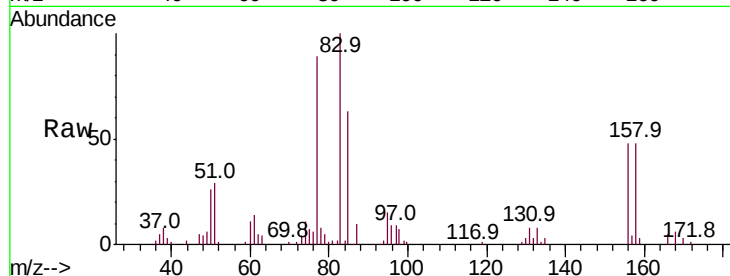
85 63.7 32.0 96.0

Manual Integrations

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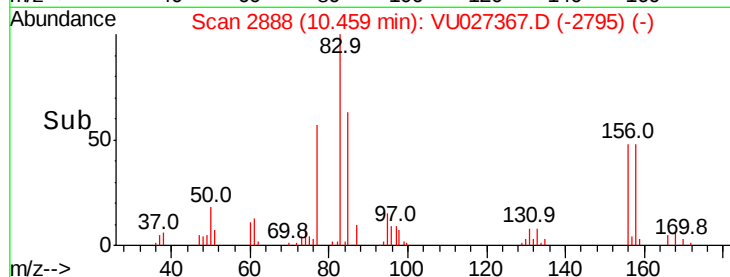


Abundance Ion 82.90 (82.60 to 83.60): VU027367.D (-2874) (-)

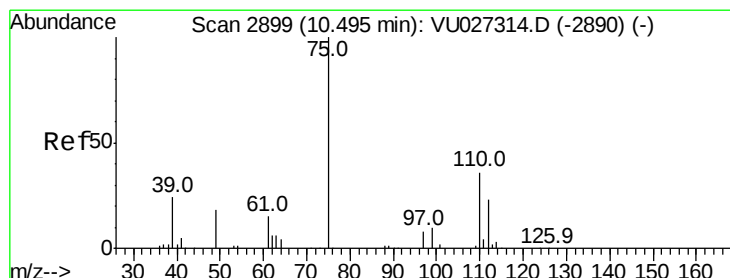
Ion 130.80 (130.50 to 131.50): VU027367.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027367.D (-2874) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 18.680 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027367.D

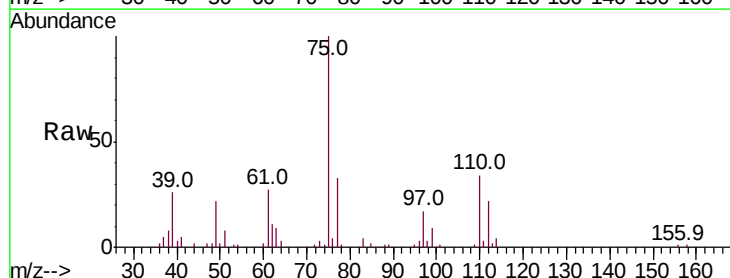
Acq: 03 Oct 2018 19:56

Tgt Ion: 75 Resp: 40245

Ion Ratio Lower Upper

75 100

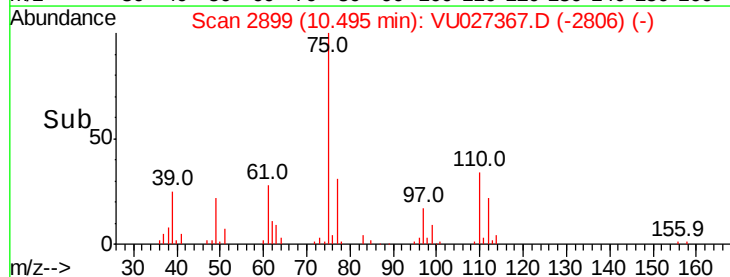
77 40.1 20.3 60.9



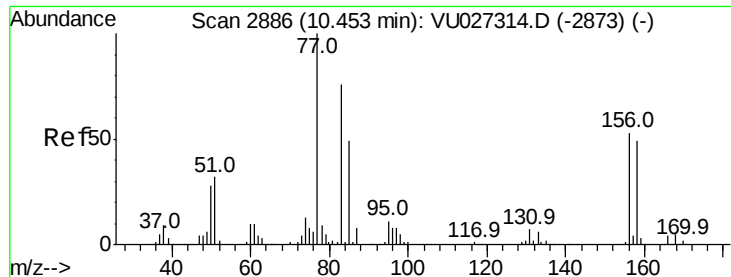
Abundance Ion 74.90 (74.60 to 75.60): VU027367.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027367.D (-2890) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 19.085 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

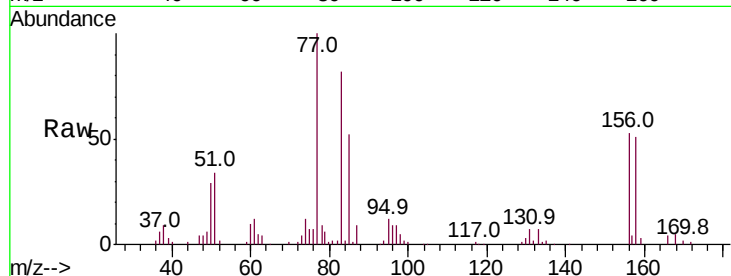
ClientSampleId :

VU1004WBS01

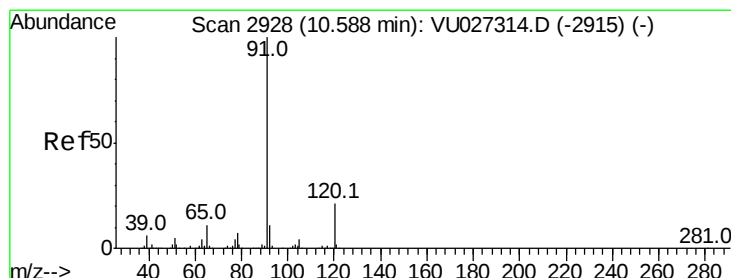
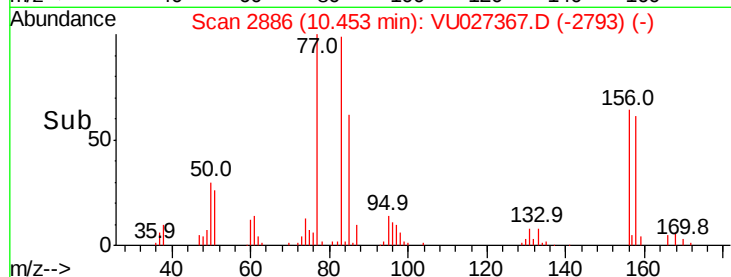
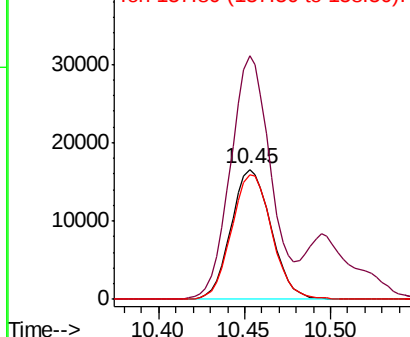
Tot Ion:	156	Resp:	26774
Ion	Ratio	Lower	Upper
156	100		
77	187.6	94.8	284.4
158	96.6	47.4	142.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VU0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.023 ug/l

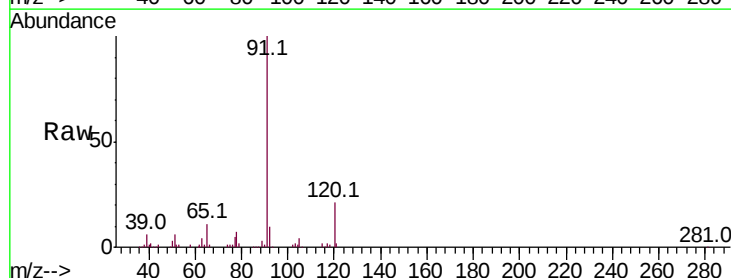
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

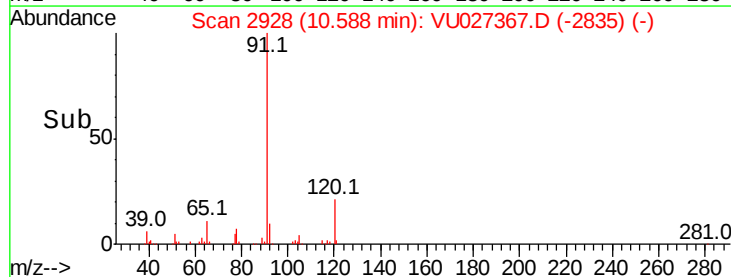
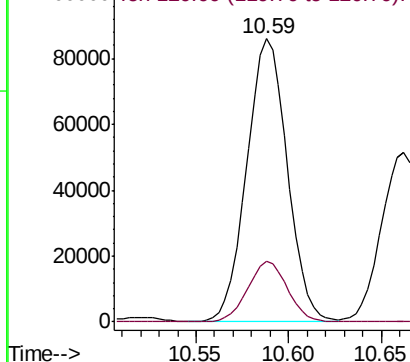
Lab File: VU027367.D

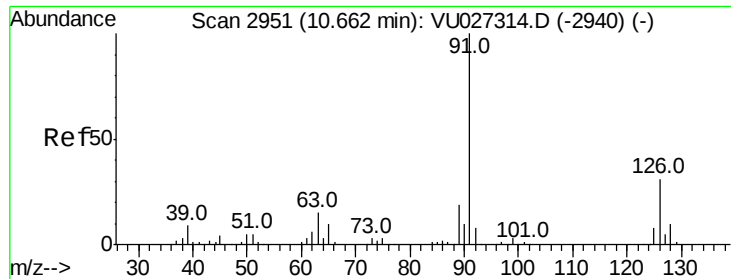
Acq: 03 Oct 2018 19:56

Tgt Ion:	91	Resp:	130728
Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.623 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Instrument :

MSVOA_U

ClientSampled :

VU1004WBS01

Tot Ion: 91 Resp: 81558

Ion Ratio Lower Upper

91 100

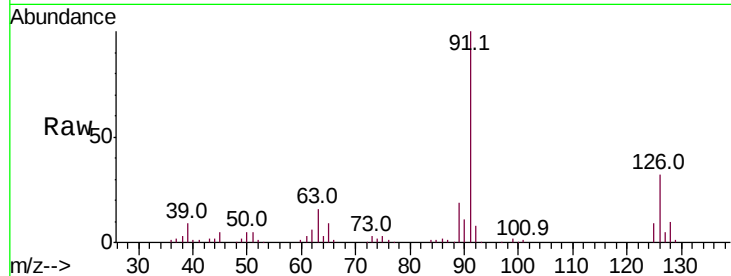
126 31.2 15.7 47.1

Manual Integrations

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

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

100000

80000

60000

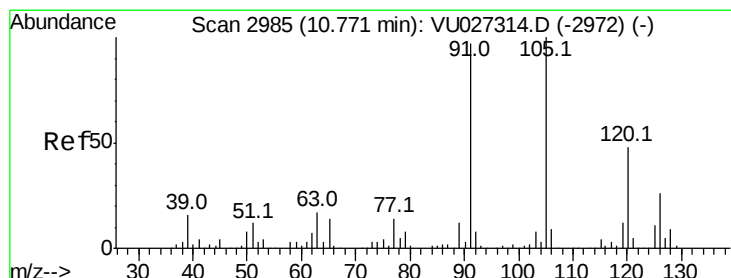
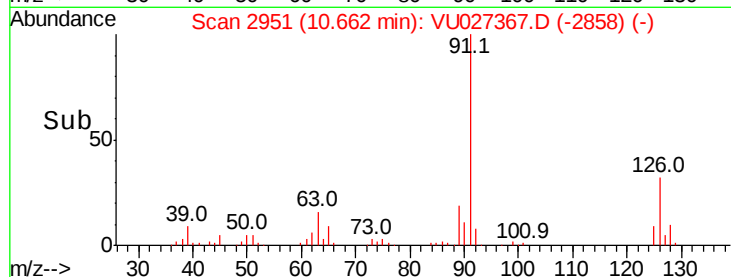
40000

20000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.835 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027367.D

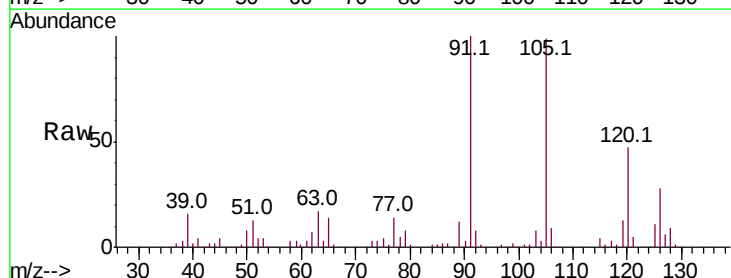
Acq: 03 Oct 2018 19:56

Tgt Ion:105 Resp: 92566

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.4



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

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

60000

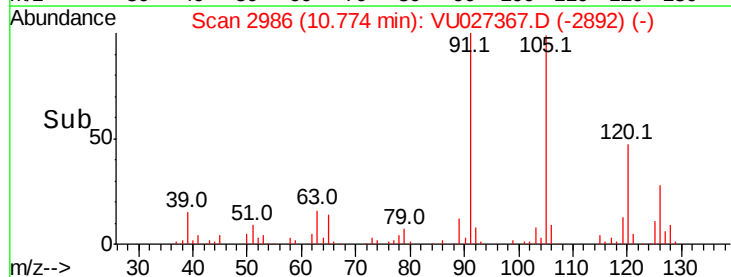
40000

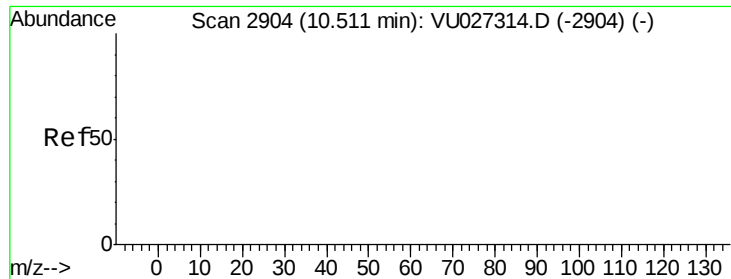
20000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.500 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VU027367.D

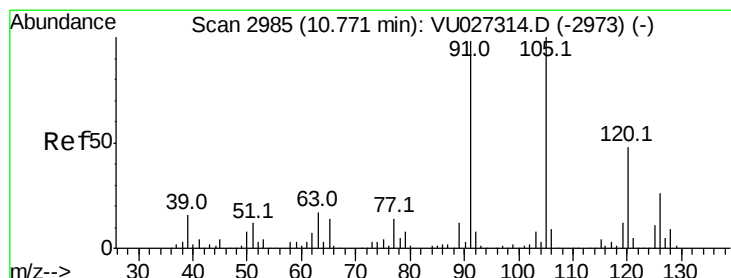
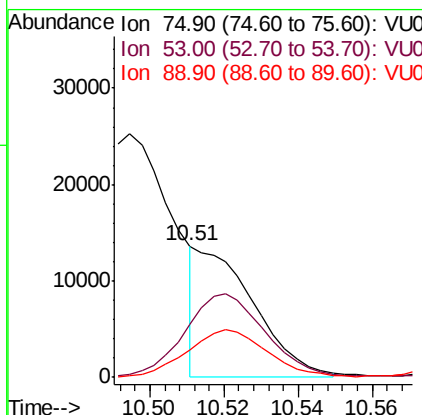
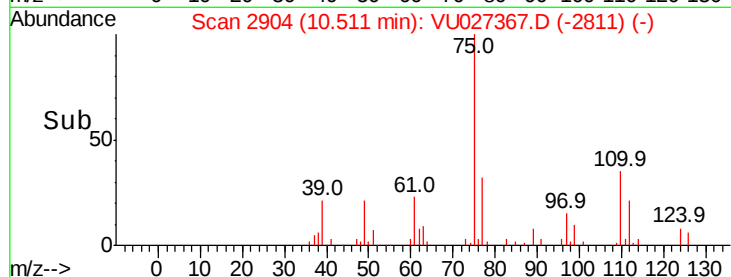
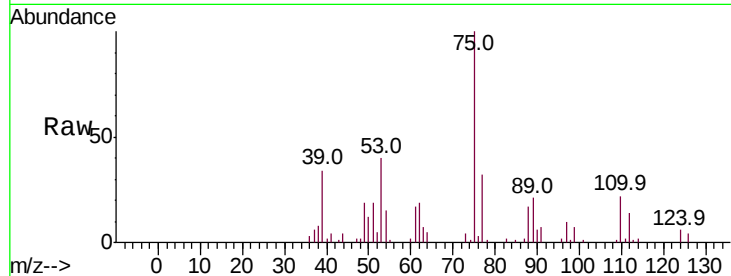
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.547 ug/l

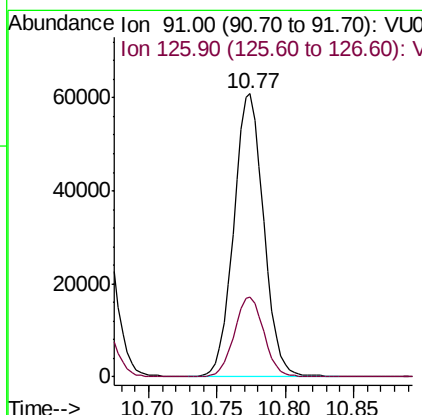
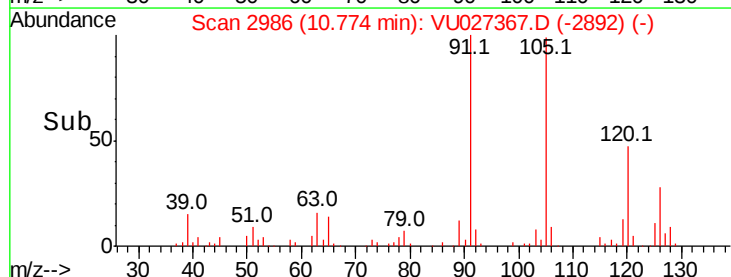
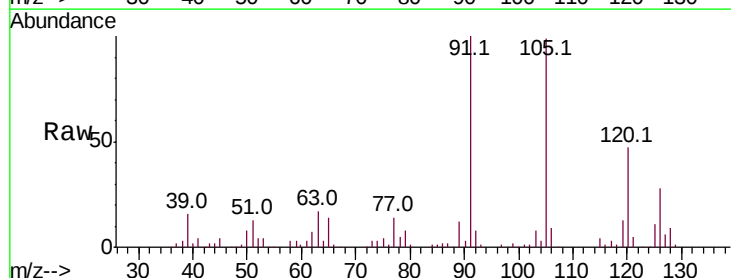
RT: 10.77 min Scan# 2986

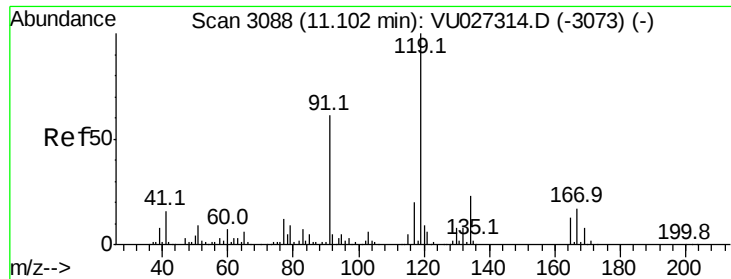
Delta R.T. 0.00 min

Lab File: VU027367.D

Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	13.6	40.8





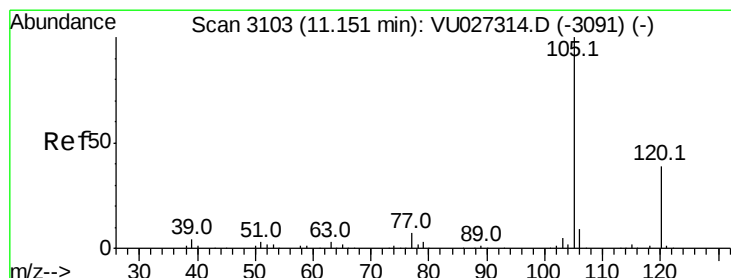
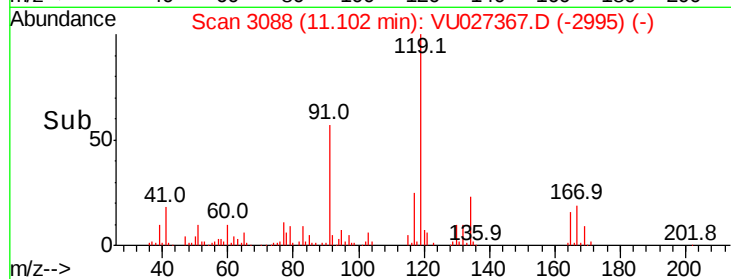
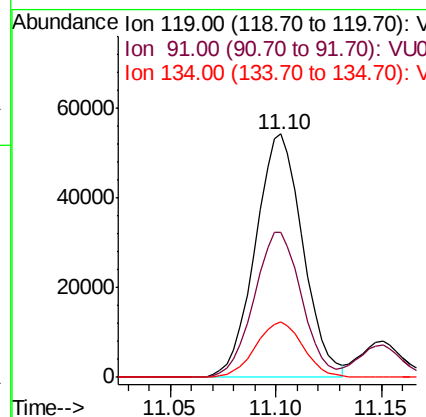
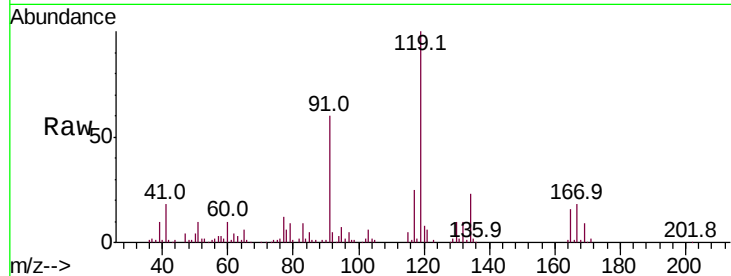
#83
tert-Butylbenzene
Concen: 17.891 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.3	91.0
134	22.8	11.5	34.4

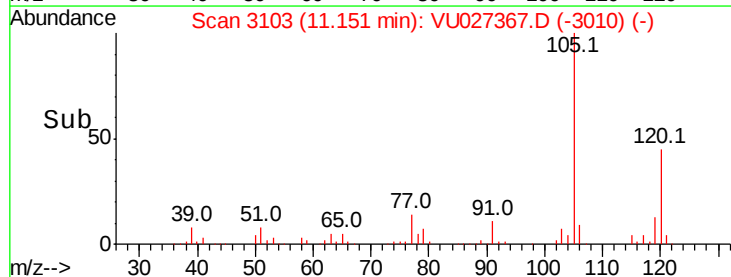
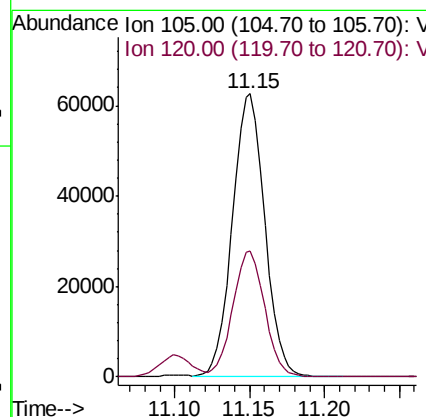
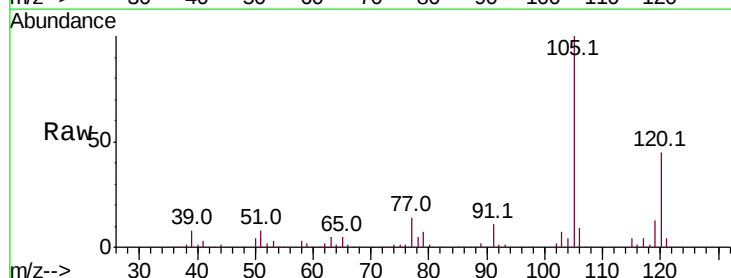
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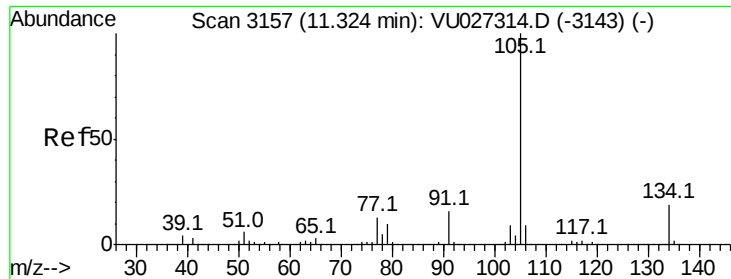
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 18.821 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





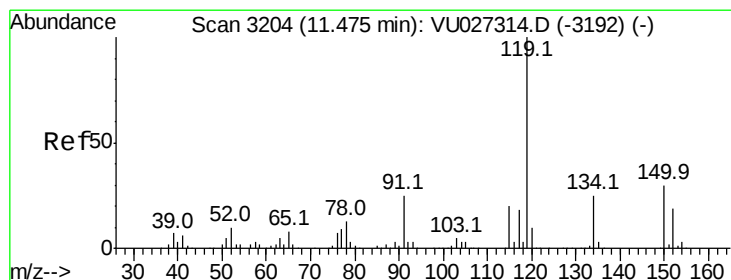
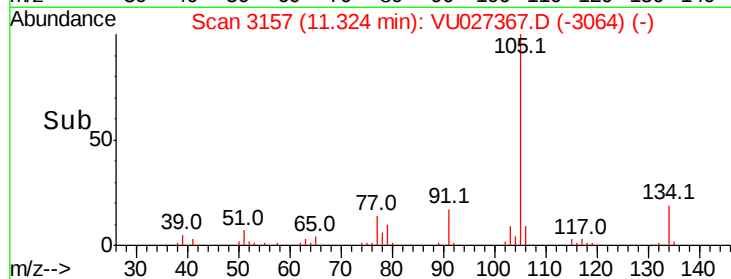
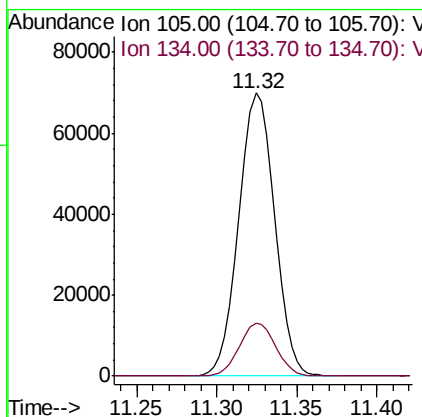
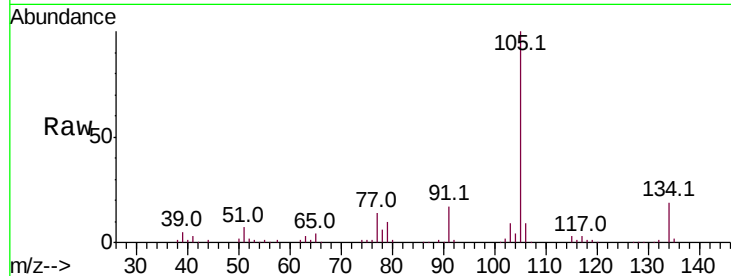
#85
 sec-Butylbenzene
 Concen: 17.854 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

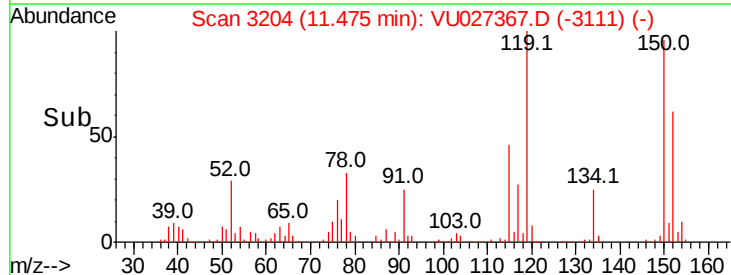
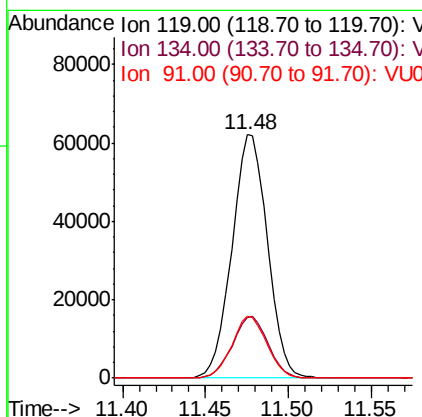
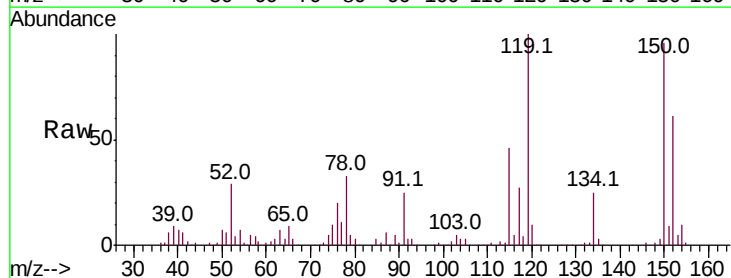
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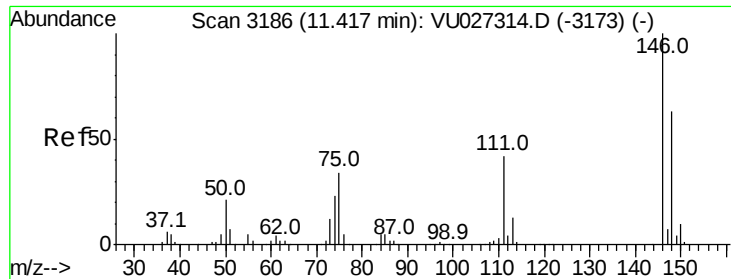
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 18.060 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.4	12.7	38.1
91	25.2	12.2	36.4





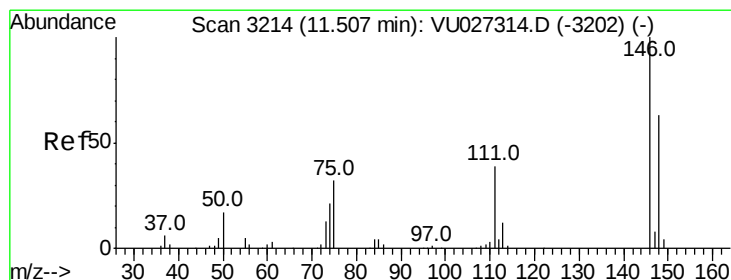
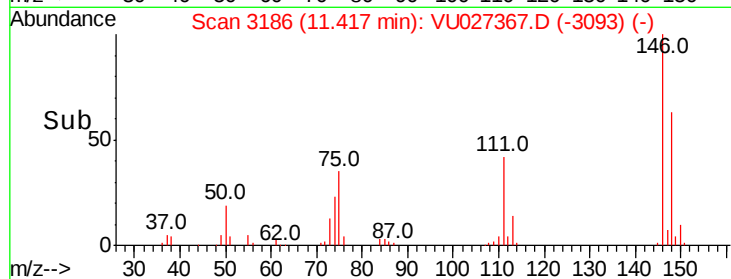
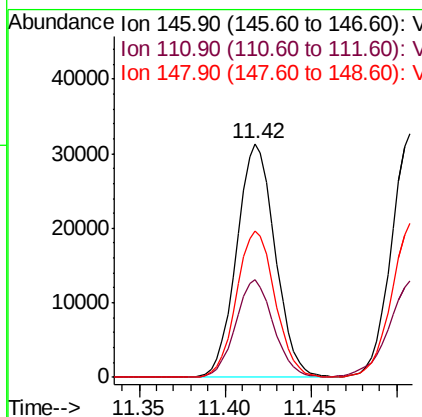
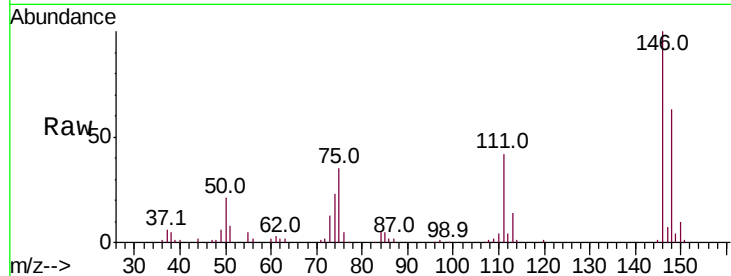
#87
 1,3-Dichlorobenzene
 Concen: 18.321 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	62.9	31.6	94.8

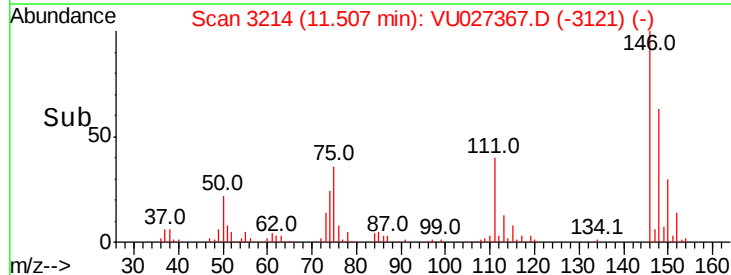
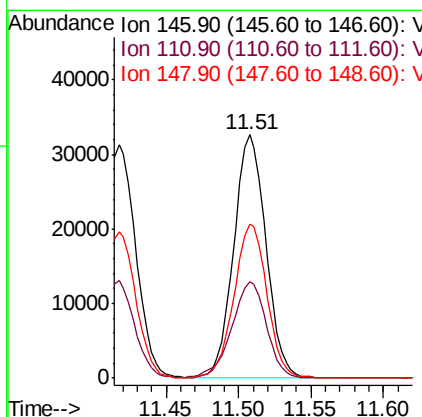
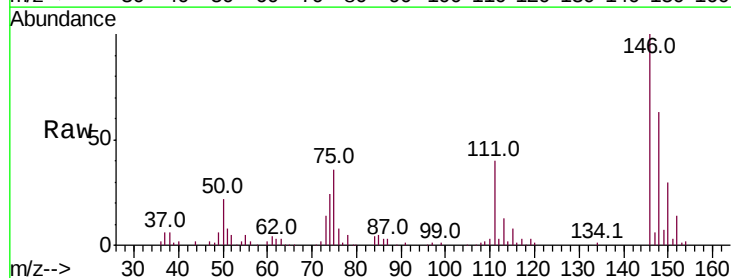
Manual Integrations
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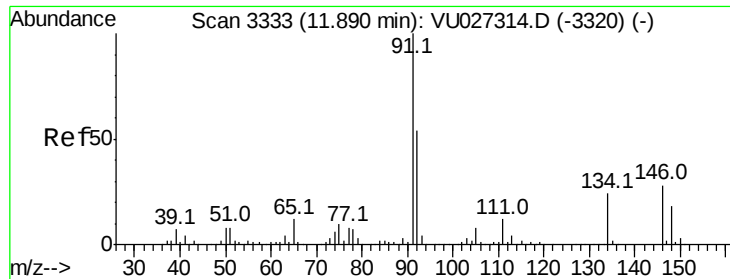
MMDadoda
 10/8/2018 1:52:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.548 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.4	61.2
148	64.7	31.9	95.5





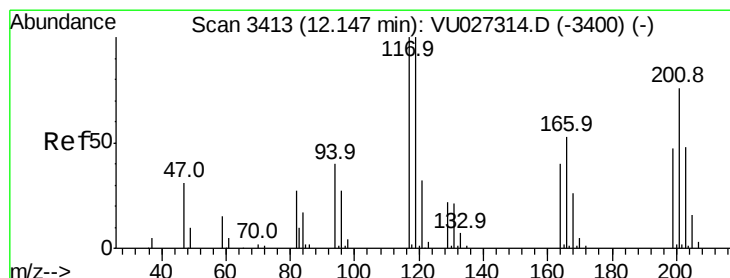
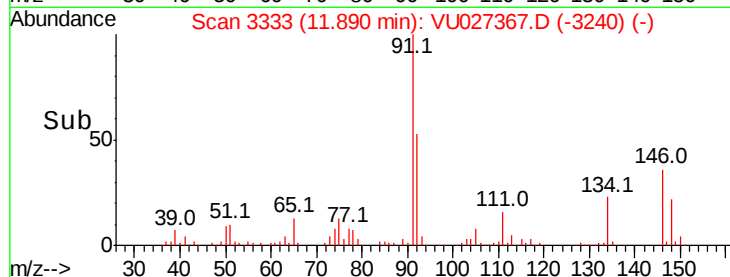
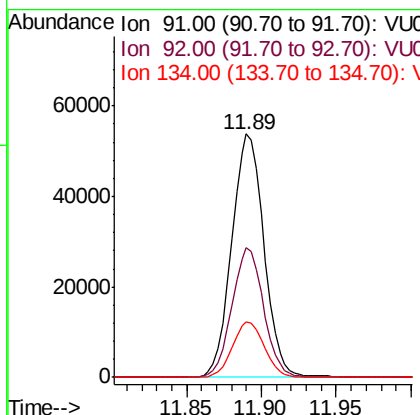
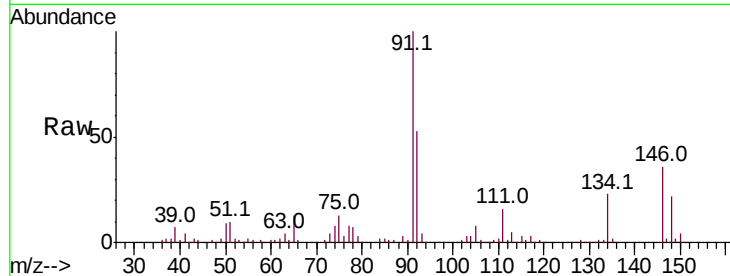
#89
n-Butylbenzene
Concen: 16.204 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.3	27.0	81.0	
134	22.6	11.7	35.1	

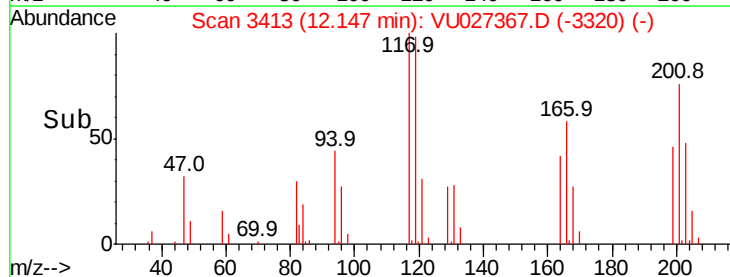
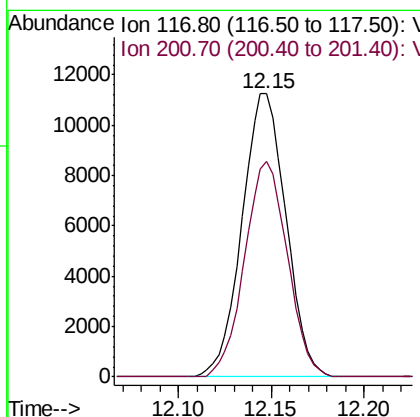
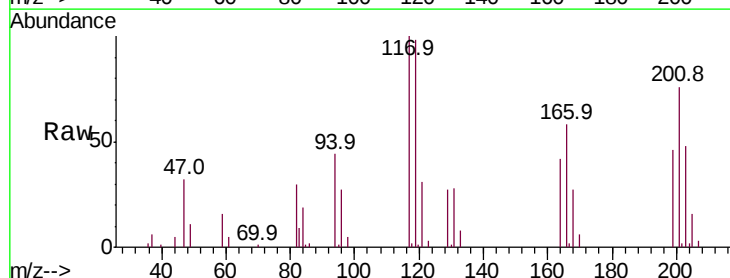
Manual Integrations
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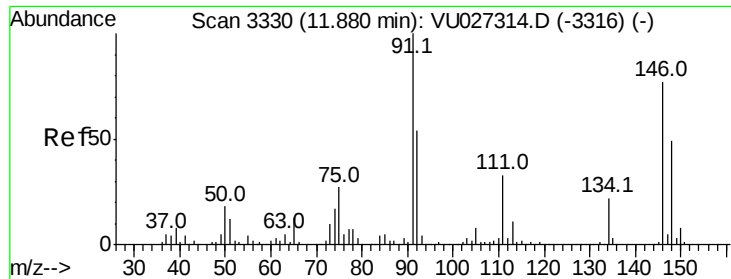
MMDadoda
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#90
Hexachloroethane
Concen: 19.158 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.0	37.9	113.6	





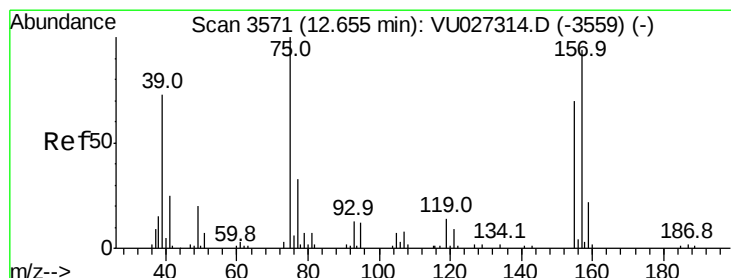
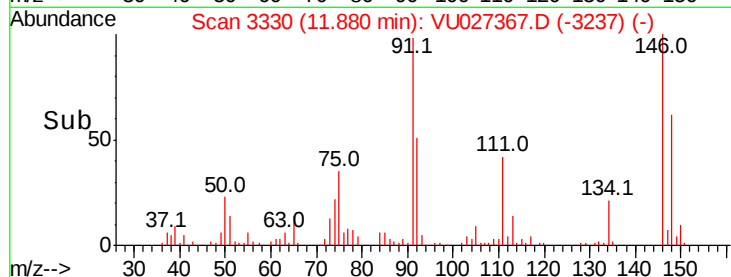
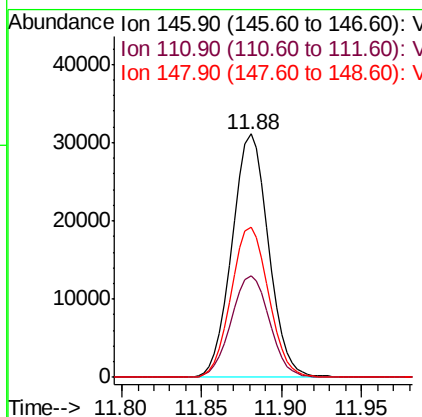
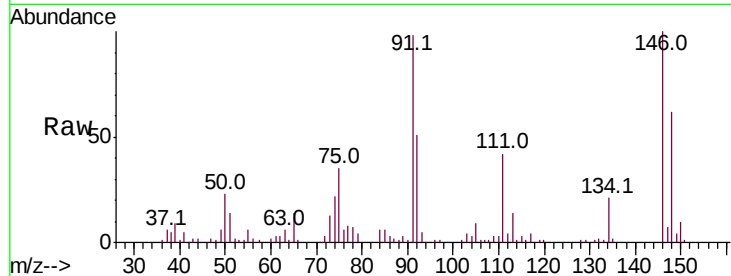
#91
 1,2-Dichlorobenzene
 Concen: 18.686 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.4	31.9	95.5

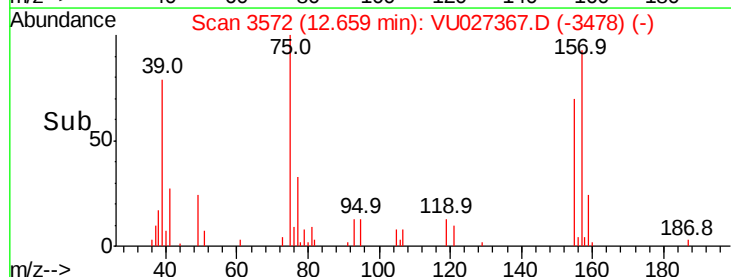
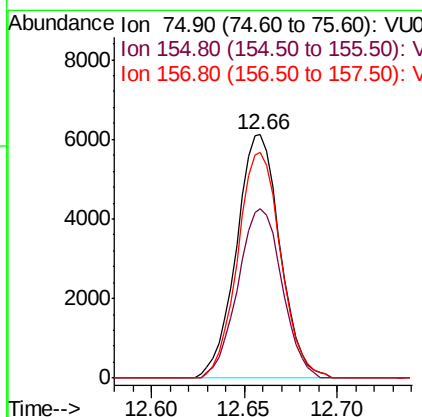
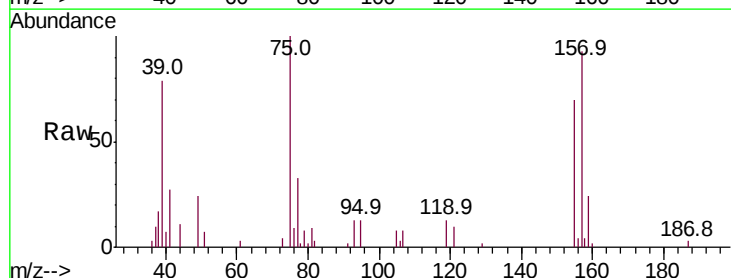
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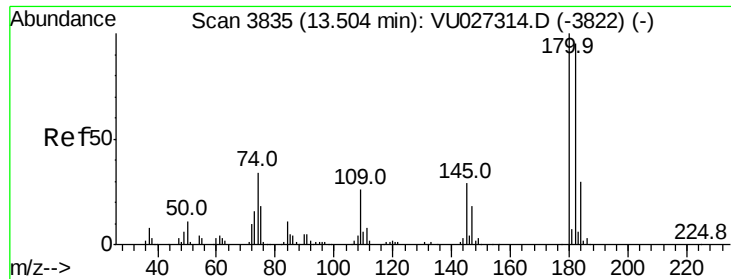
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.037 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	35.9	107.8
157	91.5	46.9	140.6





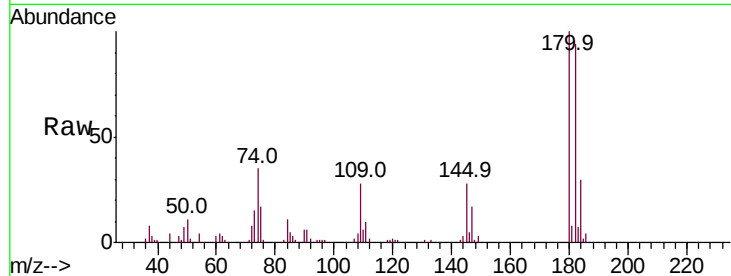
#93
 1,2,4-Trichlorobenzene
 Concen: 17.570 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.9	47.4	142.3	
145	28.4	14.6	44.0	

Manual Integrations
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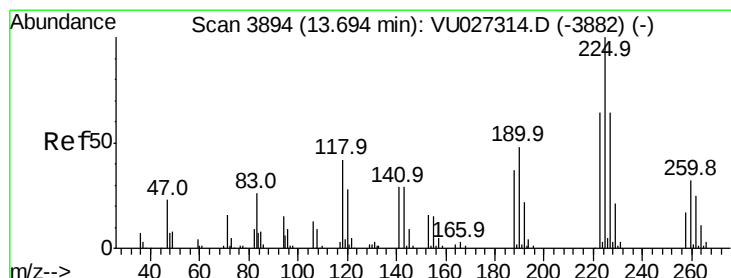
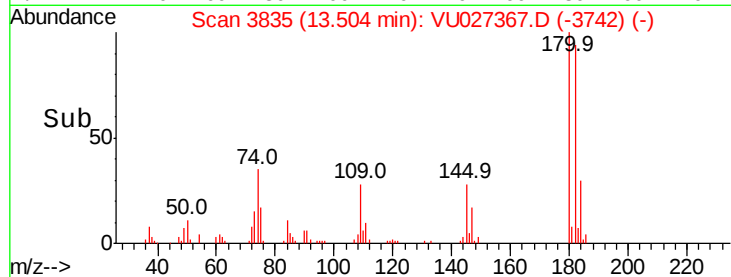
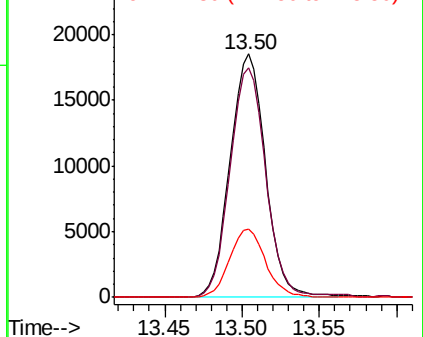


Abundance

Ion 179.80 (179.50 to 180.50): V

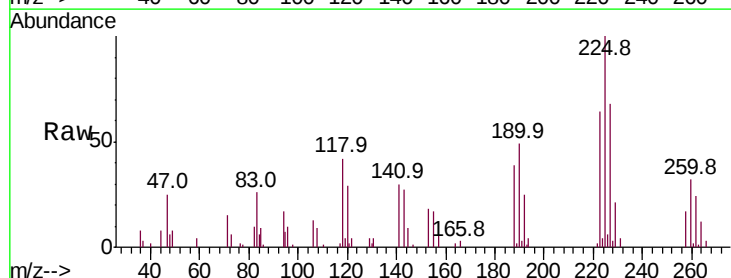
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.199 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027367.D
 Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	31.8	95.3	
227	67.2	31.9	95.7	

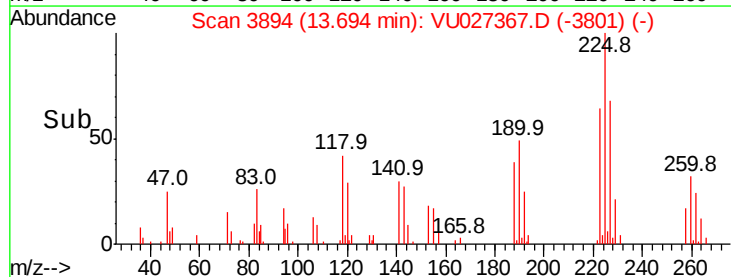
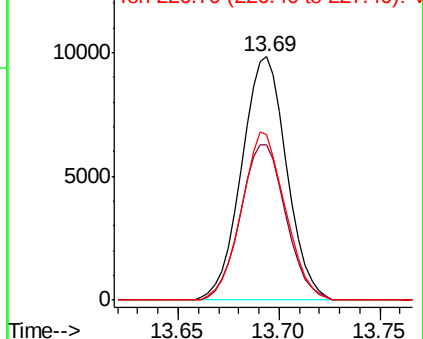


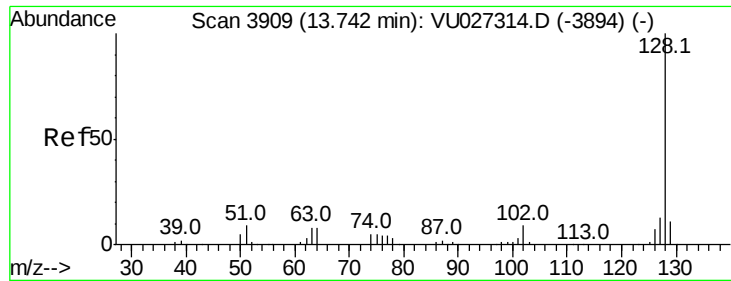
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





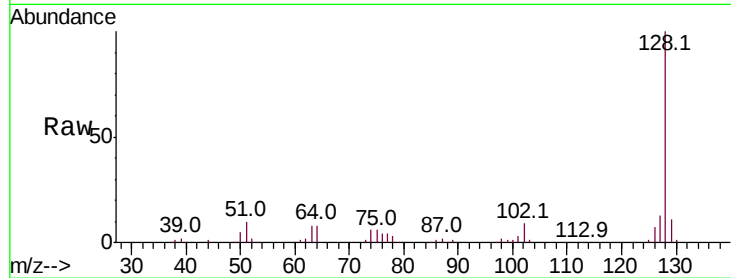
#95
Naphthalene
Concen: 16.377 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Instrument :
MSVOA_U
ClientSampleId :
VU1004WBS01

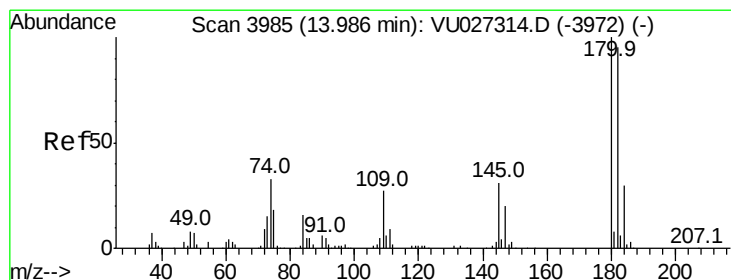
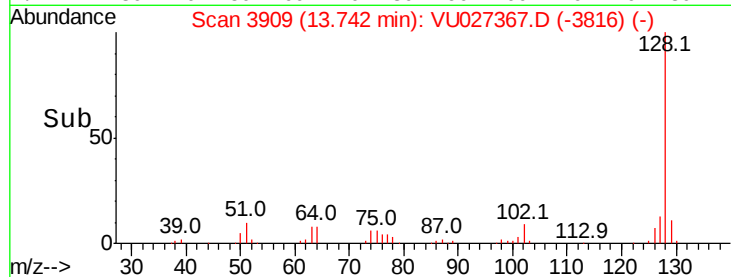
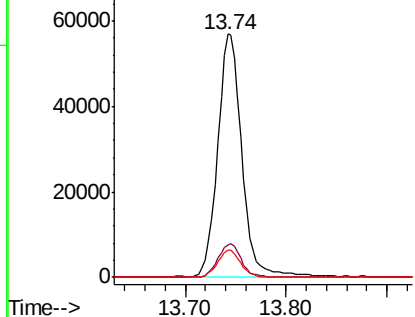
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.6	8.6	12.8

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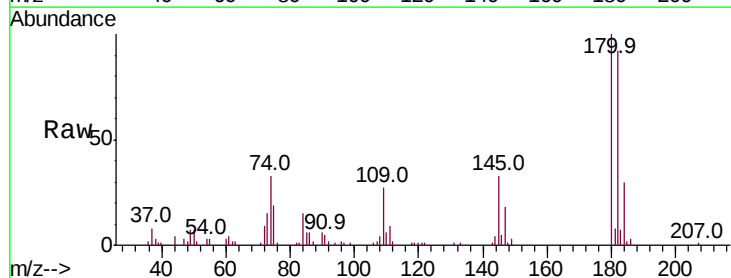


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.108 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027367.D
Acq: 03 Oct 2018 19:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	32.8	15.9	47.7



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

