

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071218\
 Data File : VU025332.D
 Acq On : 12 Jul 2018 11:36
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 11:44:08 AM

Quant Time: Jul 13 01:20:34 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	174498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	256435	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	241135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147650	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	121989	45.00	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.00%	
35) Dibromofluoromethane	4.89	113	100897	46.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.28%	
50) Toluene-d8	7.57	98	331705	44.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.56%	
62) 4-Bromofluorobenzene	10.31	95	137038	45.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	78096	43.245	ug/l	100
3) Chloromethane	1.33	50	77634	43.224	ug/l	99
4) Vinyl Chloride	1.40	62	88151	44.420	ug/l	100
5) Bromomethane	1.62	94	52720	52.284	ug/l	99
6) Chloroethane	1.70	64	58059	46.028	ug/l	99
7) Trichlorofluoromethane	1.89	101	146068	46.834	ug/l	98
8) Diethyl Ether	2.10	74	56100	47.933	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	87783	45.419	ug/l	99
10) Methyl Iodide	2.41	142	84936	40.918	ug/l	99
11) Tert butyl alcohol	2.83	59	133945	226.481	ug/l	100
12) 1,1-Dichloroethene	2.28	96	78892	44.601	ug/l	97
13) Acrolein	2.19	56	47882	122.380	ug/l	98
14) Allyl chloride	2.59	41	161127	50.229	ug/l	92
15) Acrylonitrile	2.94	53	286739	235.820	ug/l	99
16) Acetone	2.32	43	318828	230.847	ug/l	100
17) Carbon Disulfide	2.48	76	206878	40.408	ug/l	100
18) Methyl Acetate	2.62	43	146075	52.626	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	338856	50.364	ug/l	98
20) Methylene Chloride	2.70	84	100738	48.059	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	91646	45.339	ug/l	98
22) Diisopropyl ether	3.57	45	329593	50.311	ug/l	96
23) Vinyl Acetate	3.53	43	1408554	245.097	ug/l	100
24) 1,1-Dichloroethane	3.45	63	184387	49.906	ug/l	100
25) 2-Butanone	4.26	43	439352	233.812	ug/l	100
26) 2,2-Dichloropropane	4.23	77	174371	49.085	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	110448	47.225	ug/l	98
28) Bromochloromethane	4.55	49	84032	47.101	ug/l	99
29) Tetrahydrofuran	4.64	42	258781	229.599	ug/l	99
30) Chloroform	4.68	83	195548	49.978	ug/l	98
31) Cyclohexane	5.00	56	157166	45.961	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	177187	49.969	ug/l	100
36) 1,1-Dichloropropene	5.14	75	133856	46.953	ug/l	98
37) Ethyl Acetate	4.38	43	153218	48.191	ug/l	100
38) Carbon Tetrachloride	5.14	117	157127	51.207	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	167777	47.181	ug/l	100
40) Benzene	5.39	78	400129	48.703	ug/l	100
41) Methacrylonitrile	4.55	41	86839	49.263	ug/l	98
42) 1,2-Dichloroethane	5.41	62	165292	50.614	ug/l	99
43) Isopropyl Acetate	5.55	43	251664	49.429	ug/l	100
44) Trichloroethene	6.19	130	111539	47.282	ug/l	99
45) 1,2-Dichloropropane	6.44	63	107696	50.048	ug/l	99
46) Dibromomethane	6.56	93	77644	49.582	ug/l	99
47) Bromodichloromethane	6.76	83	150734	51.815	ug/l	98
48) Methyl methacrylate	6.62	41	128079	50.461	ug/l	99
49) 1,4-Dioxane	6.62	88	61281	1003.377	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	804214	243.023	ug/l	99
52) Toluene	7.64	92	258673	49.489	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	163655	51.203	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	170334	50.073	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	109821	50.449	ug/l	97
56) Ethyl methacrylate	8.02	69	169558	49.870	ug/l	99
57) 1,3-Dichloropropane	8.25	76	182944	50.624	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	279062	181.655	ug/l	100
59) 2-Hexanone	8.36	43	636230	237.027	ug/l	99
60) Dibromochloromethane	8.48	129	124804	53.087	ug/l	99
61) 1,2-Dibromoethane	8.59	107	117634	50.503	ug/l	100
64) Tetrachloroethene	8.23	164	107168	48.755	ug/l	97
65) Chlorobenzene	9.12	112	299129	49.658	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	114511	53.143	ug/l	99
67) Ethyl Benzene	9.25	91	516243	50.269	ug/l	100
68) m/p-Xylenes	9.38	106	402270	101.318	ug/l	100
69) o-Xylene	9.78	106	197598	49.711	ug/l	96
70) Styrene	9.80	104	325288	51.519	ug/l	99
71) Bromoform	9.96	173	94209	45.662	ug/l #	98
73) Isopropylbenzene	10.17	105	542422	48.082	ug/l	100
74) N-amyl acetate	10.01	43	224234	48.598	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	176244	47.752	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	152436m	49.994	ug/l	
77) Bromobenzene	10.45	156	137533	47.653	ug/l	99
78) n-propylbenzene	10.59	91	616090	49.215	ug/l	100
79) 2-Chlorotoluene	10.66	91	369108	51.348	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	468002	49.301	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	56743m	48.239	ug/l	
82) 4-Chlorotoluene	10.78	91	423042	47.725	ug/l	100
83) tert-Butylbenzene	11.10	119	468317	48.821	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	476989	49.029	ug/l	100
85) sec-Butylbenzene	11.33	105	565780	50.093	ug/l	100
86) p-Isopropyltoluene	11.48	119	502922	50.288	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	255102	48.365	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	254982	49.507	ug/l	99
89) n-Butylbenzene	11.89	91	416352	50.644	ug/l	99
90) Hexachloroethane	12.15	117	83240	49.156	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	262951	49.363	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	45129	50.414	ug/l	97

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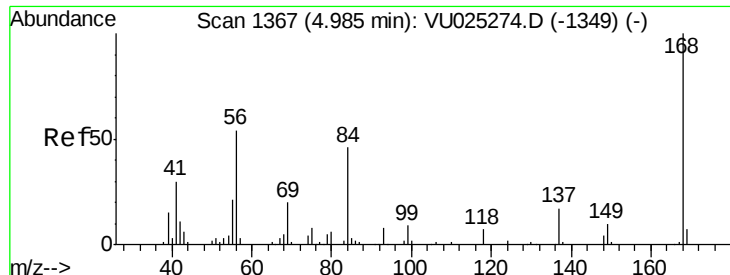
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	171896	48.309	ug/l	99
94) Hexachlorobutadiene	13.70	225	93696	49.180	ug/l	99
95) Naphthalene	13.74	128	535451	49.421	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180166	49.760	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 174498

Ion Ratio Lower Upper

168 100

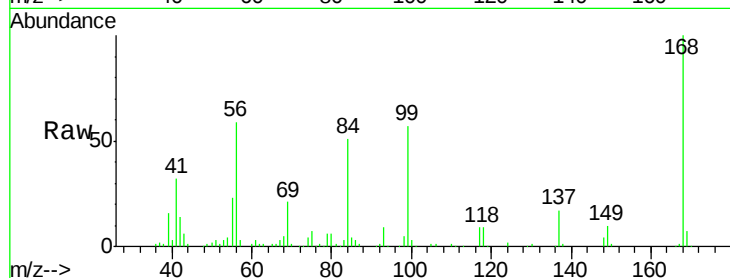
99 56.8 42.8 64.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU025274.D (-1349) (-)

Ion 98.90 (98.60 to 99.60): VU025274.D (-1349) (-)

4.99

80000

60000

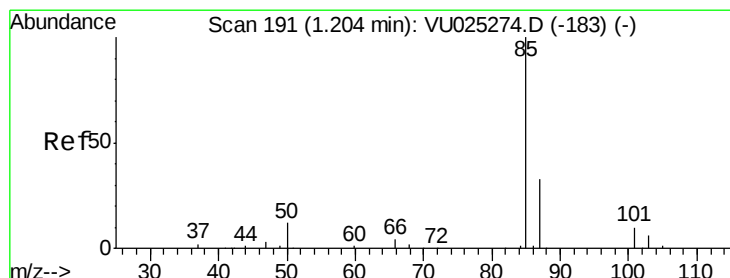
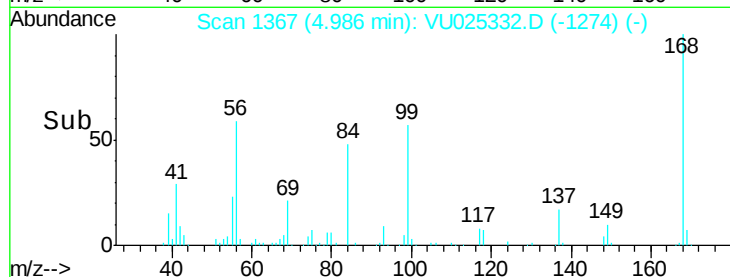
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.245 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU025332.D

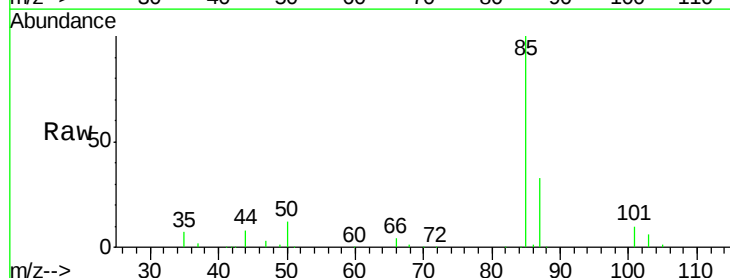
Acq: 12 Jul 2018 11:36

Tgt Ion: 85 Resp: 78096

Ion Ratio Lower Upper

85 100

87 32.8 16.5 49.5



Abundance Ion 84.90 (84.60 to 85.60): VU025274.D (-183) (-)

Ion 86.90 (86.60 to 87.60): VU025274.D (-183) (-)

1.21

80000

60000

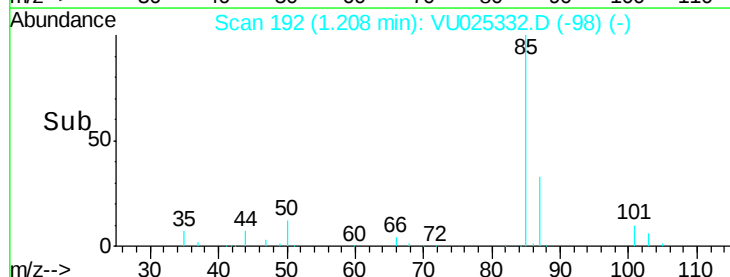
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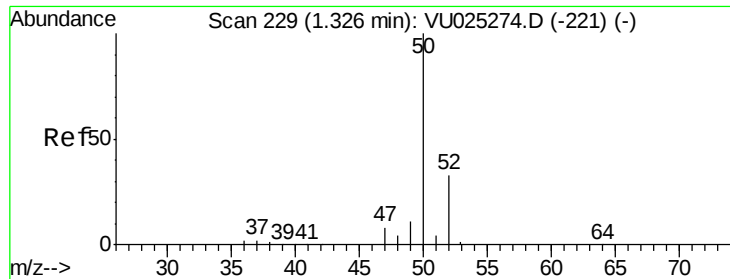
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 43.224 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 77634

Ion Ratio Lower Upper

50 100

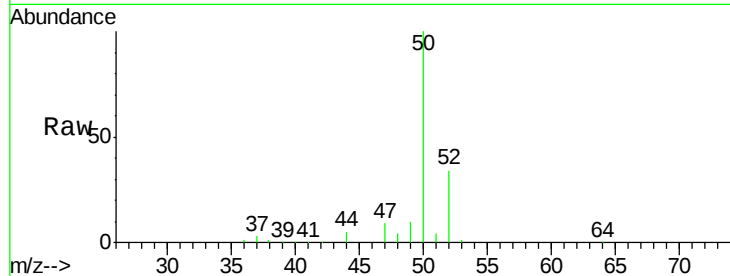
52 33.8 26.5 39.7

Manual Integrations

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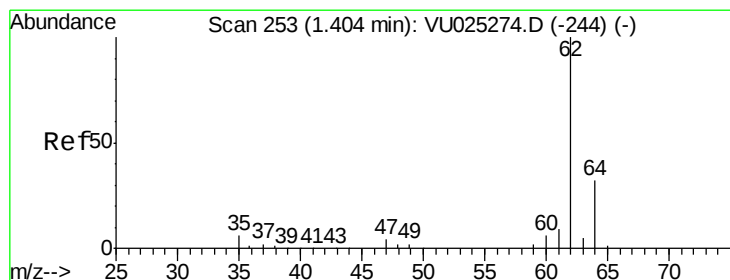
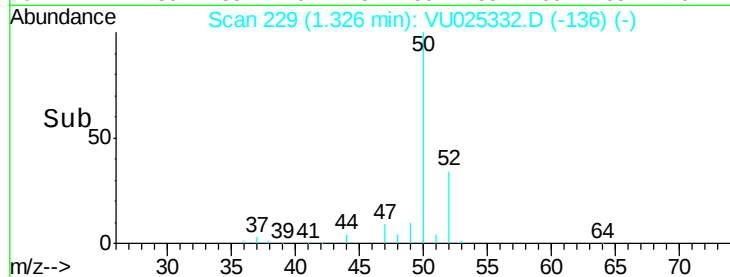
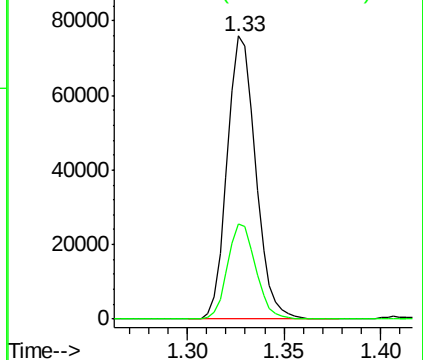
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 44.420 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025332.D

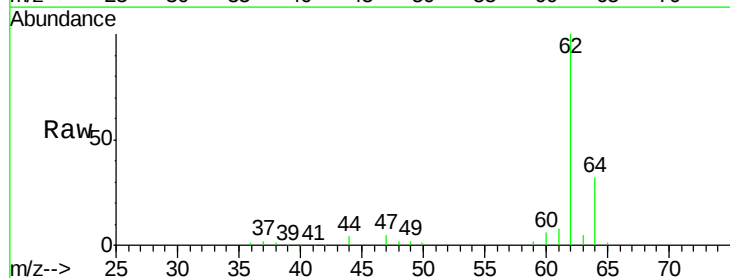
Acq: 12 Jul 2018 11:36

Tgt Ion: 62 Resp: 88151

Ion Ratio Lower Upper

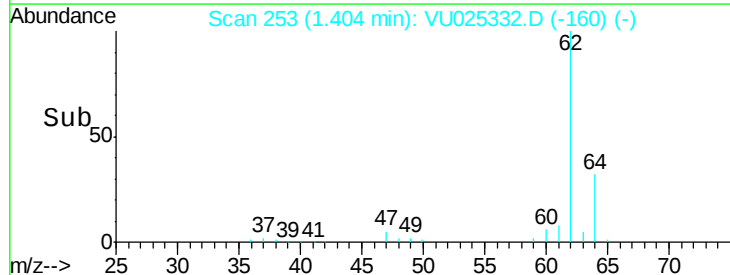
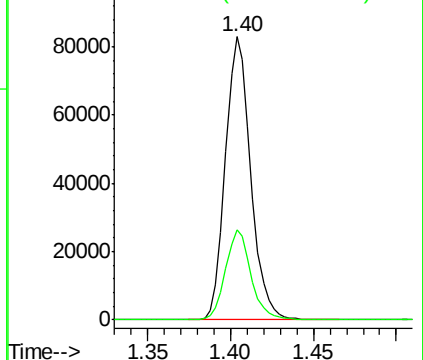
62 100

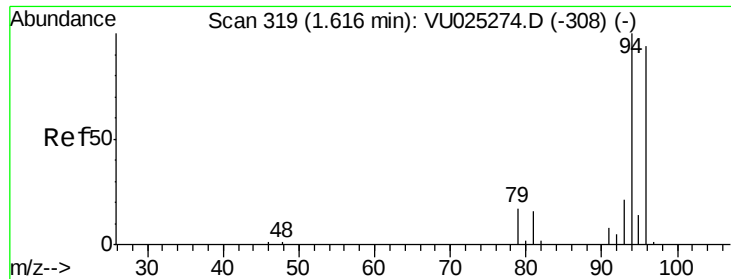
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.284 ug/l

RT: 1.62 min Scan# 320

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 52720

Ion Ratio Lower Upper

94 100

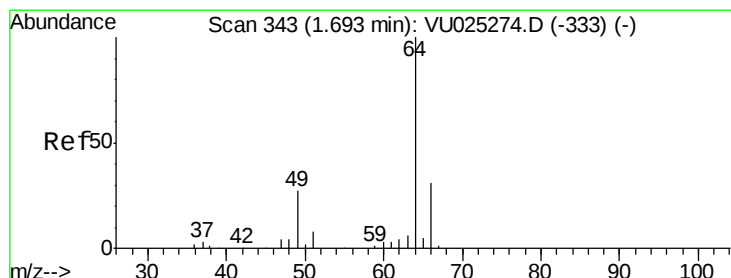
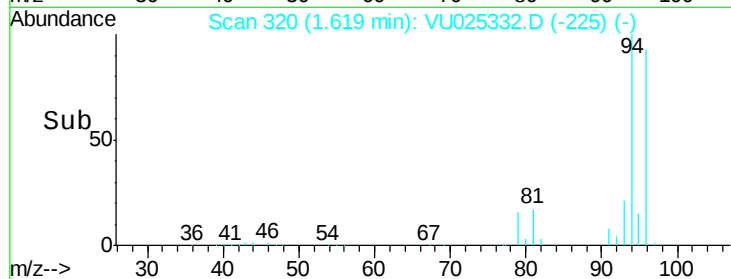
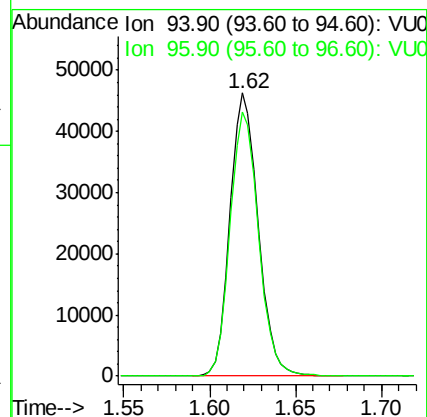
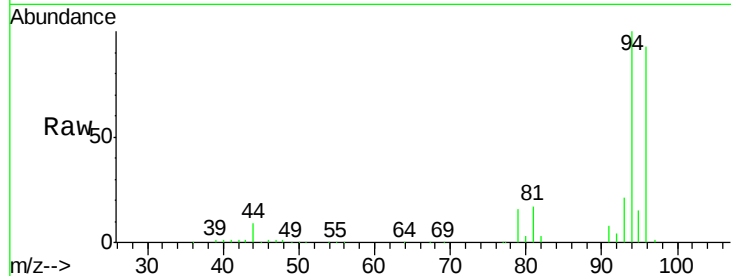
96 93.2 75.0 112.4

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#6

Chloroethane

Concen: 46.028 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU025332.D

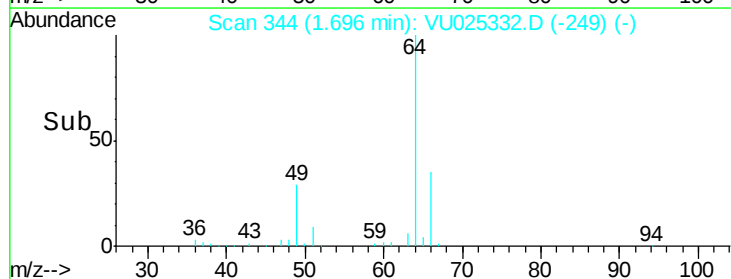
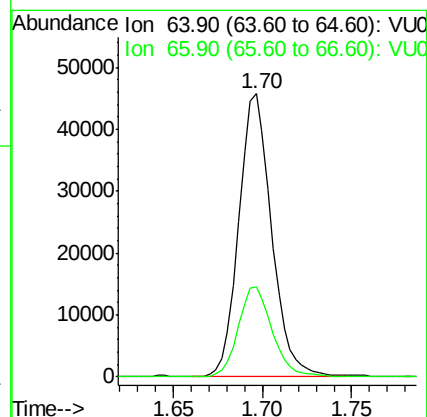
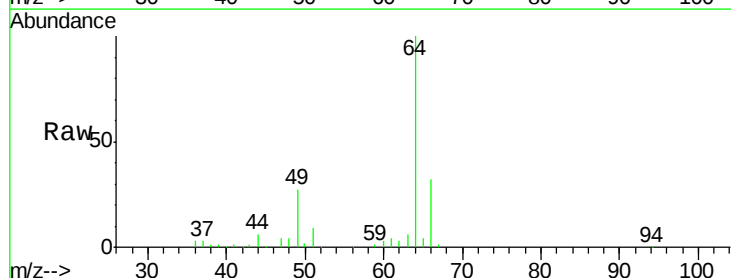
Acq: 12 Jul 2018 11:36

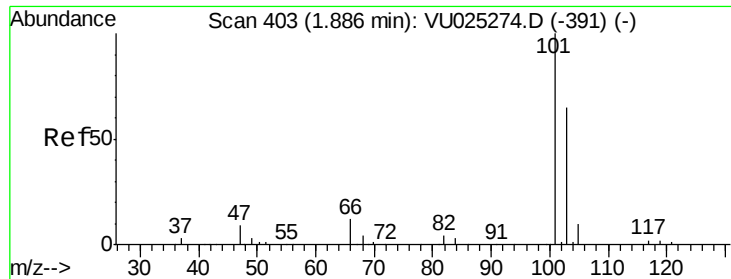
Tgt Ion: 64 Resp: 58059

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4





#7

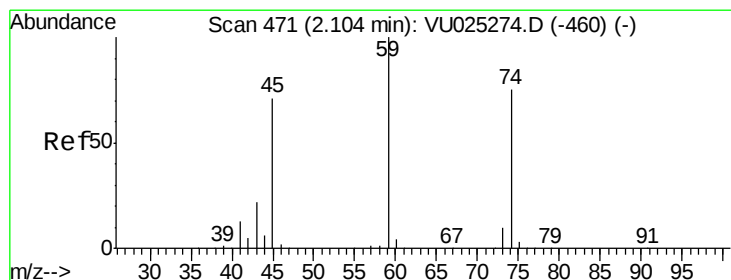
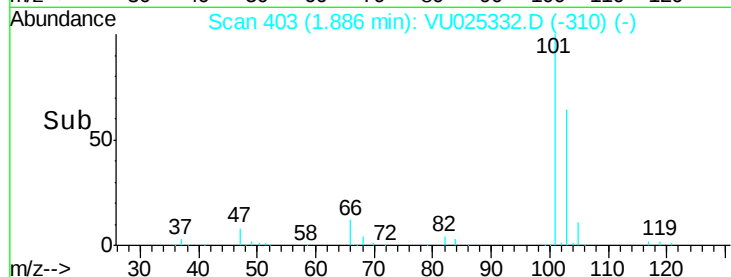
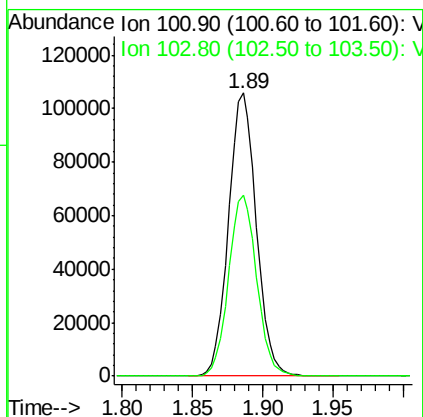
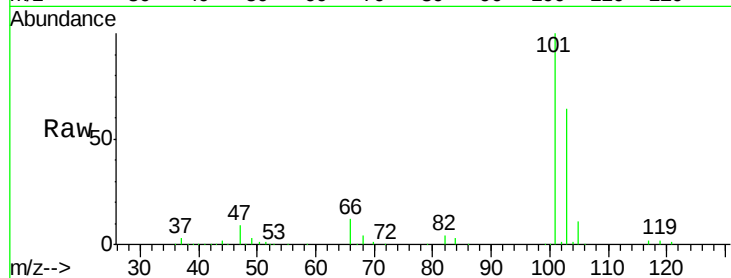
Trichlorofluoromethane
Concen: 46.834 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.2	78.2

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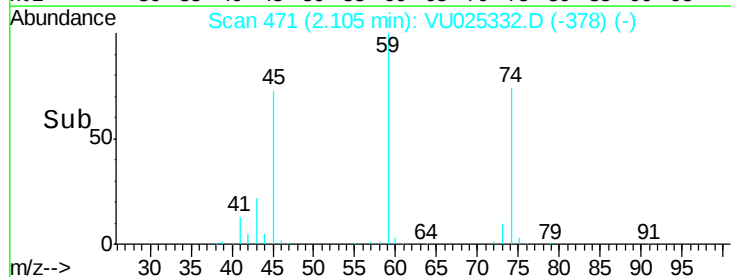
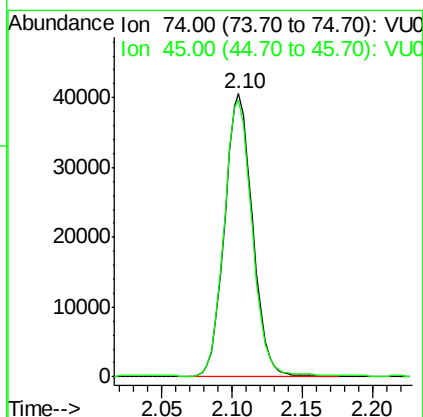
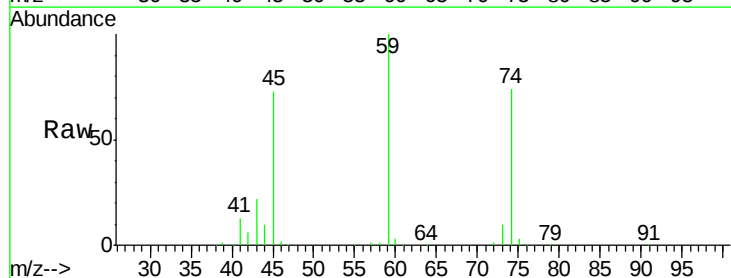
MMDadoda
7/13/2018 11:44:08 AM

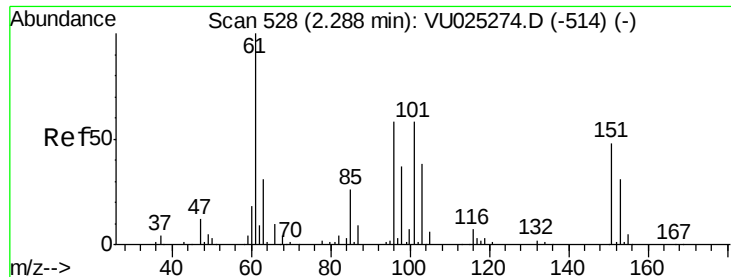


#8

Diethyl Ether
Concen: 47.933 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025332.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	48.3	144.9





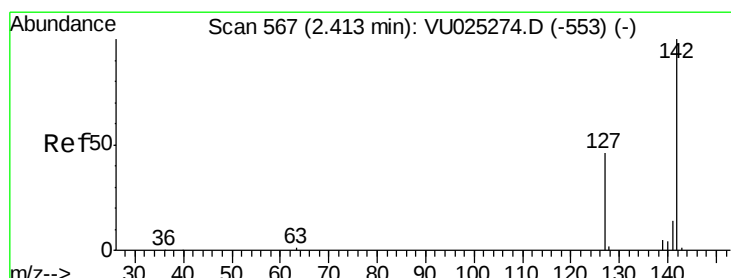
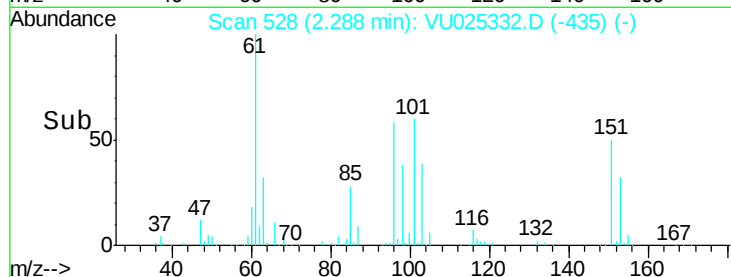
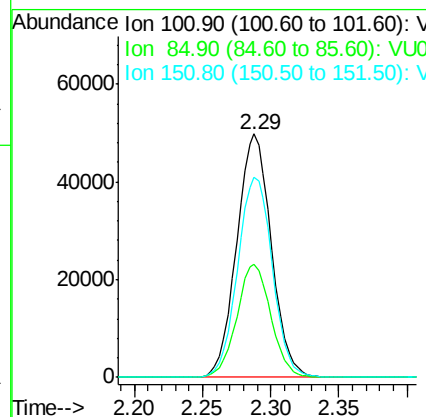
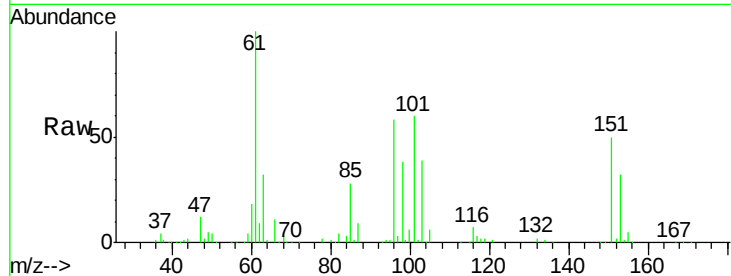
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.419 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	87783		
85	45.4	36.0	54.0	
151	82.7	65.6	98.4	

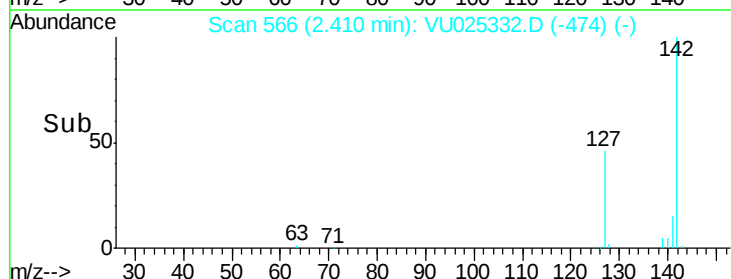
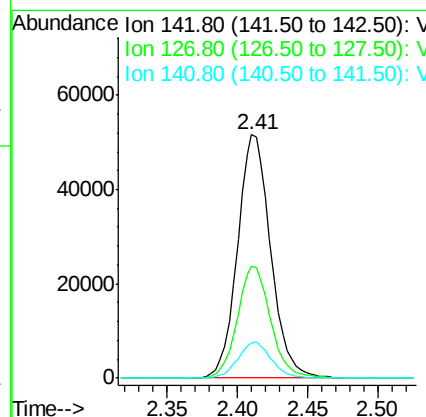
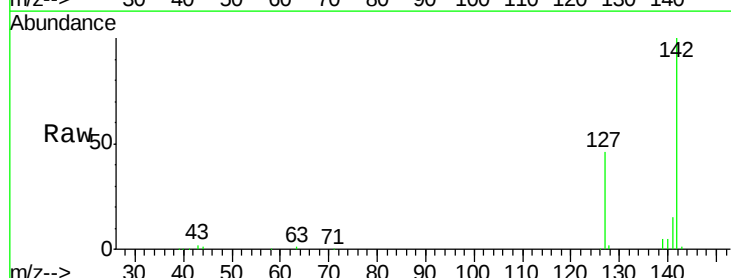
Manual Integrations
APPROVED

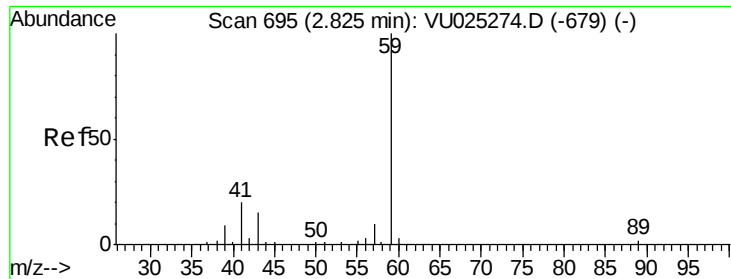
MMDadoda
7/13/2018 11:44:08 AM



#10
Methyl Iodide
Concen: 40.918 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	84936		
127	46.1	36.5	54.7	
141	14.9	11.4	17.2	





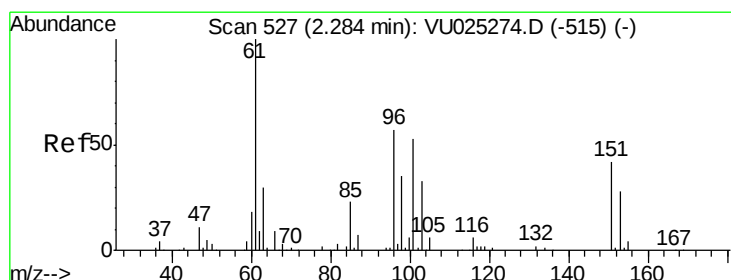
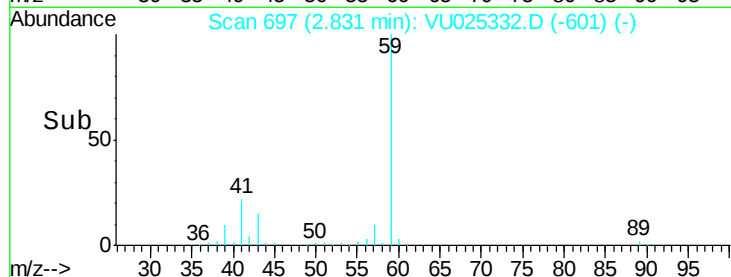
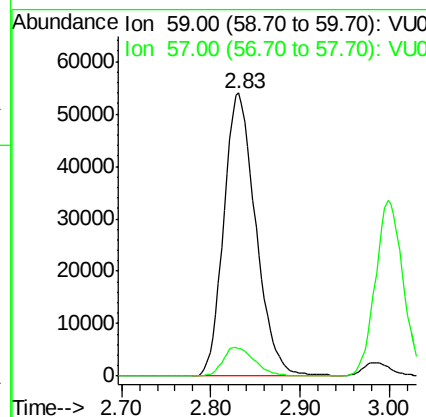
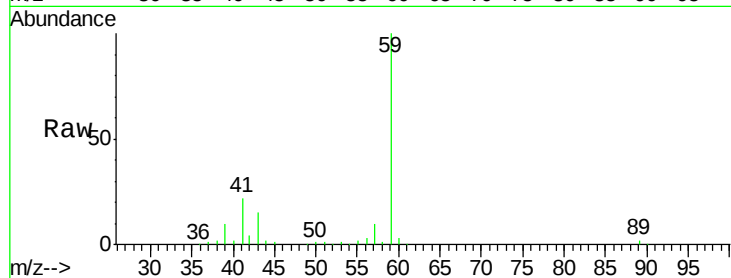
#11
Tert butyl alcohol
Concen: 226.481 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	133945
Ion Ratio	100	Lower	Upper
57	10.1	8.2	12.2

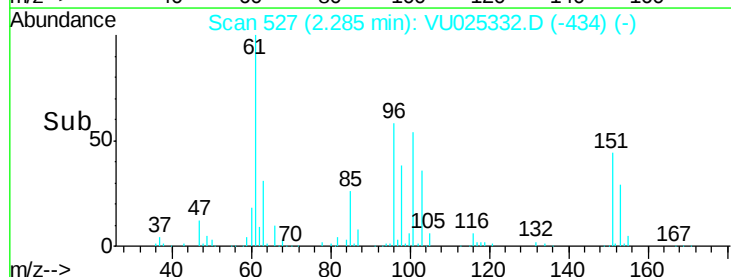
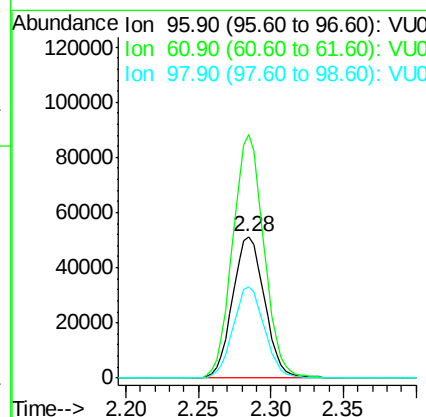
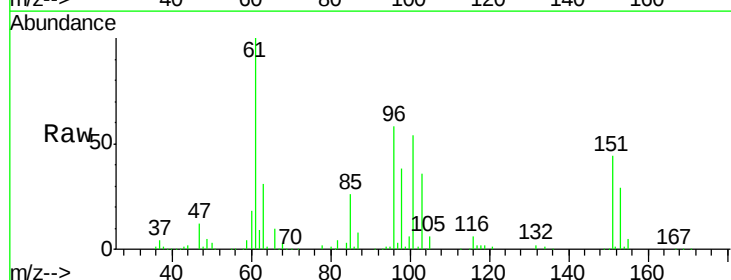
Manual Integrations
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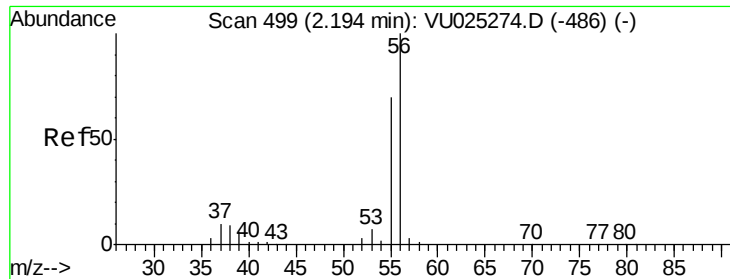
MMDadoda
7/13/2018 11:44:08 AM



#12
1,1-Dichloroethene
Concen: 44.601 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	96	Resp	78892
Ion Ratio	100	Lower	Upper
61	171.8	140.2	210.4
98	64.8	49.3	73.9





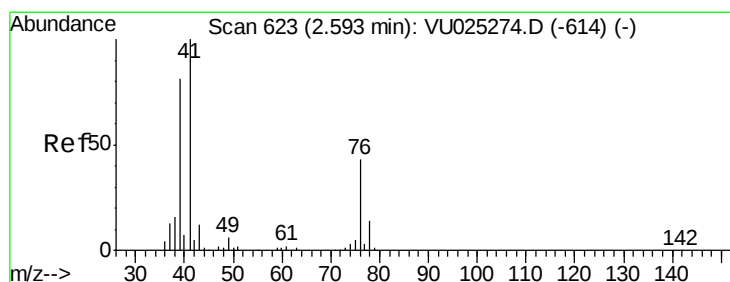
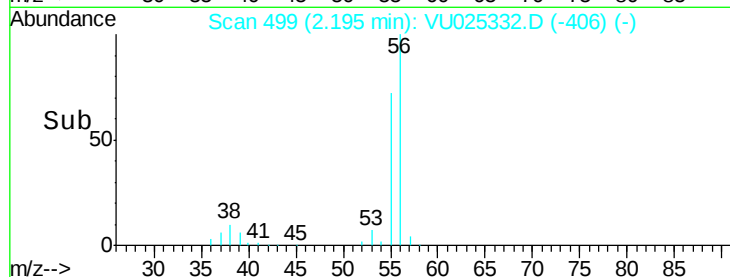
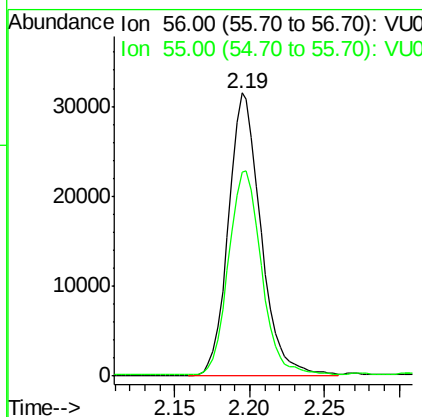
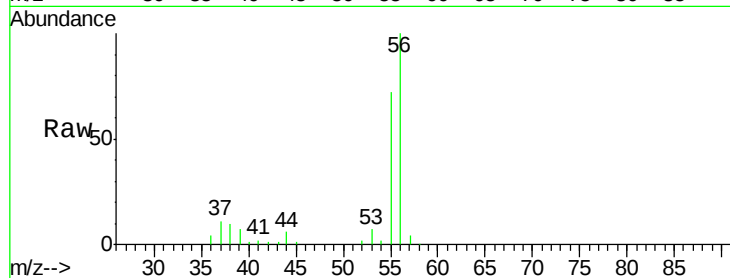
#13
Acrolein
Concen: 122.380 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
56	100				
55	72.8		57.2	85.8	

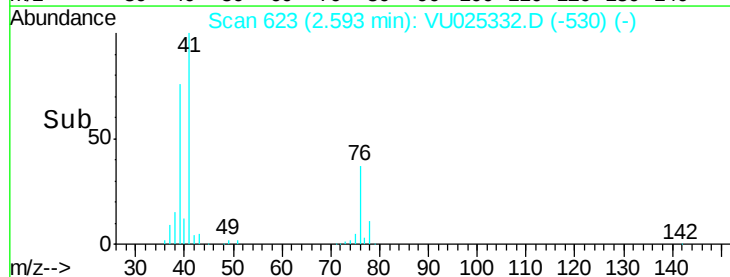
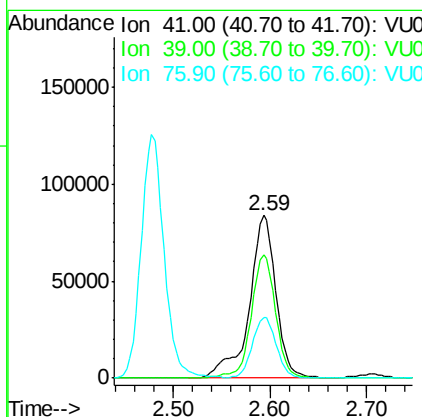
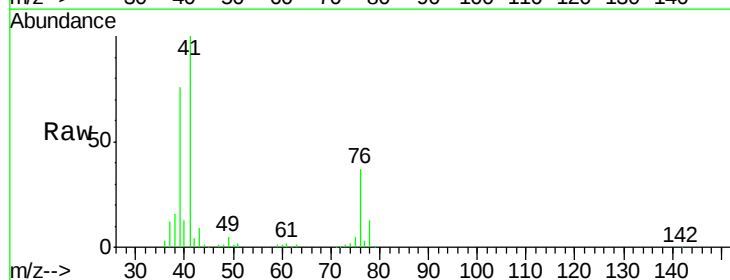
Manual Integrations
APPROVED

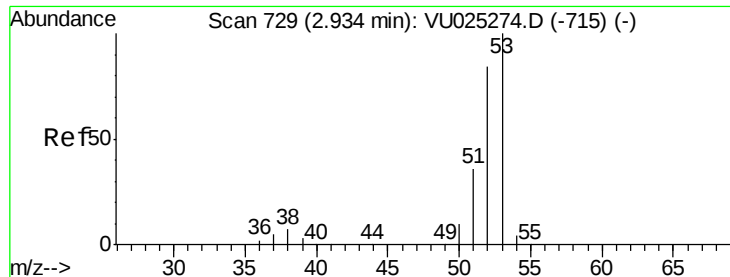
MMDadoda
7/13/2018 11:44:08 AM



#14
Allyl chloride
Concen: 50.229 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	41	39	76	Resp	Lower	Upper
41	100					
39	69.3			60.6	91.0	
76	33.0			30.5	45.7	





#15

Acrylonitrile

Concen: 235.820 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

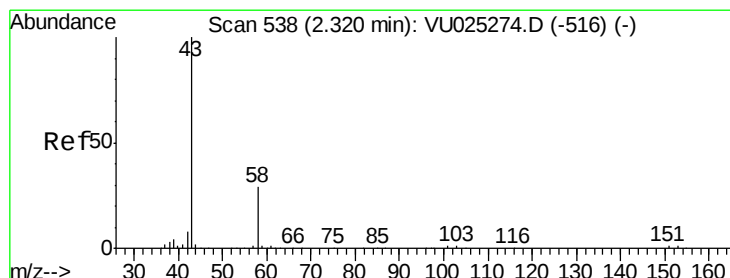
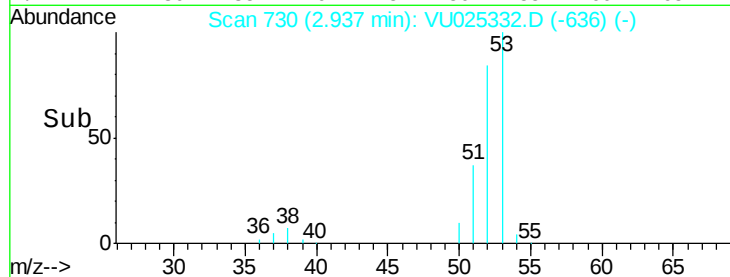
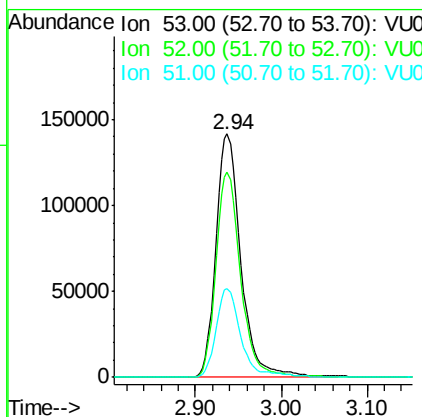
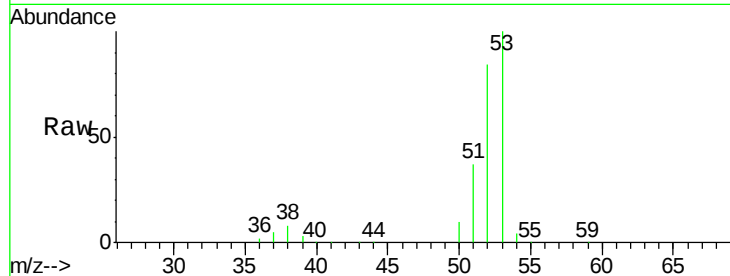
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	286739
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.6	99.8
51	36.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 230.847 ug/l

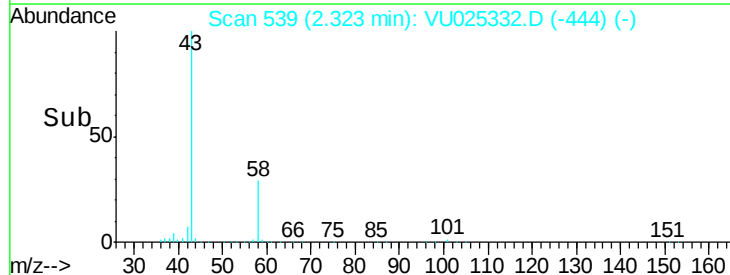
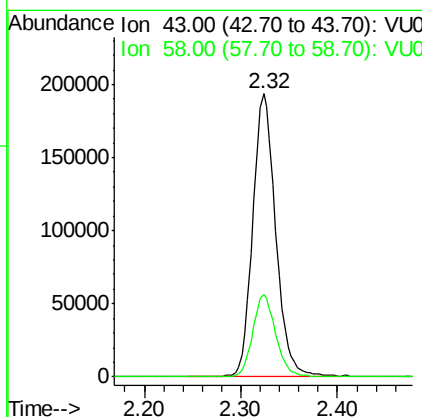
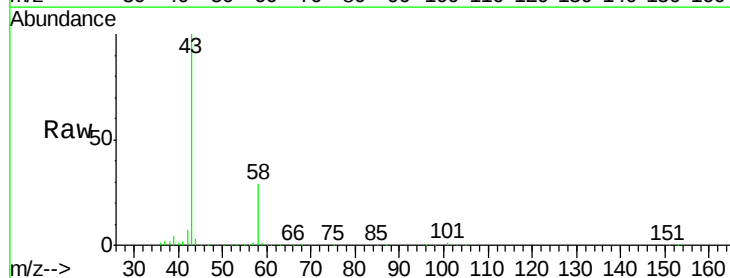
RT: 2.32 min Scan# 539

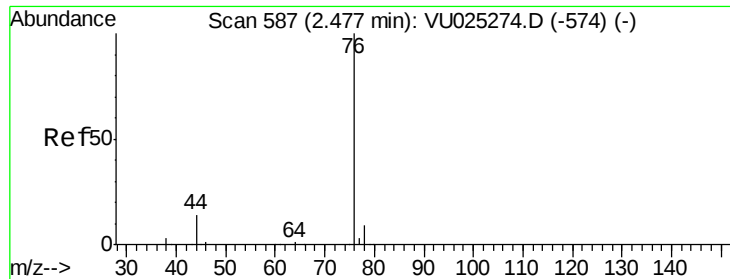
Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	43	Resp:	318828
Ion Ratio	Lower	Upper	
43	100		
58	29.1	23.1	34.7





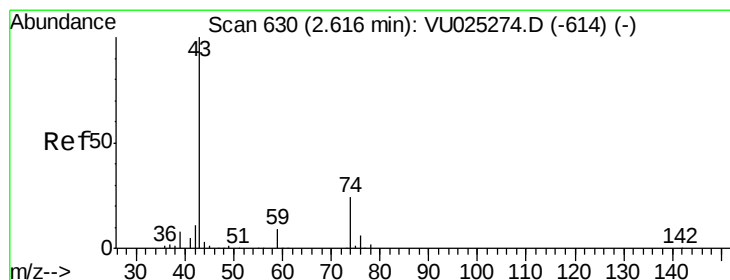
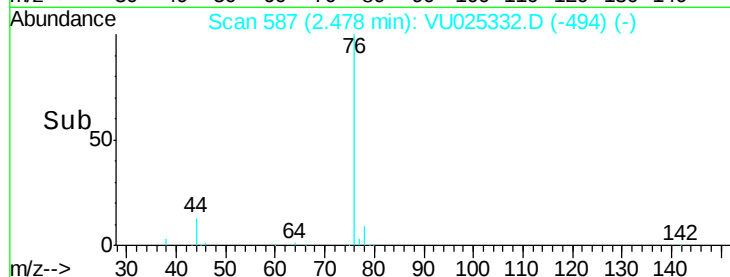
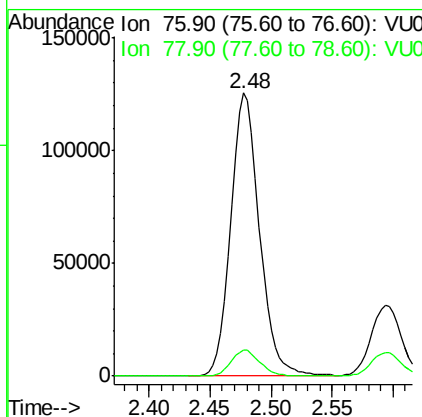
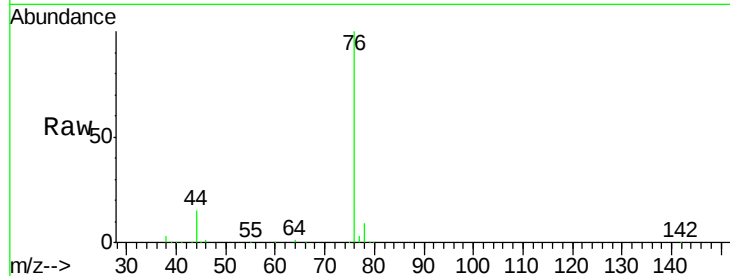
#17
Carbon Disulfide
Concen: 40.408 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 206878
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

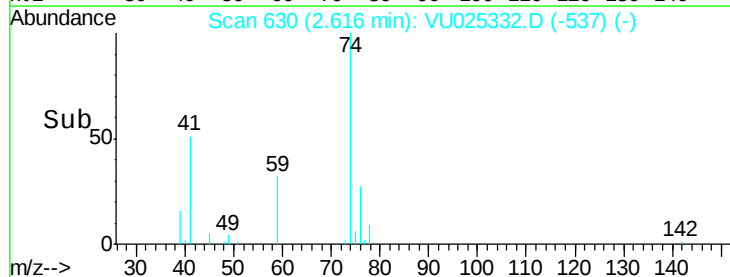
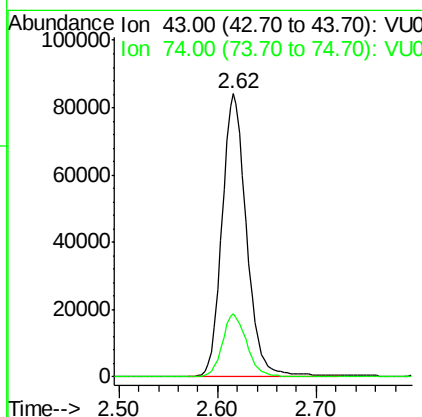
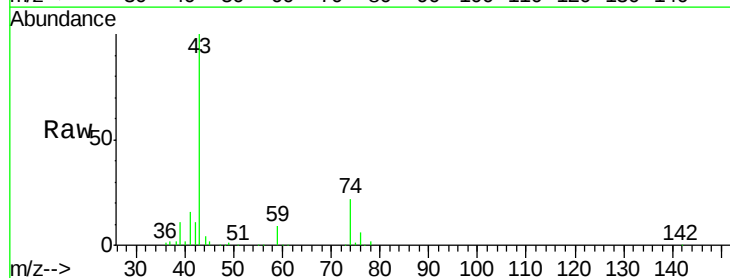
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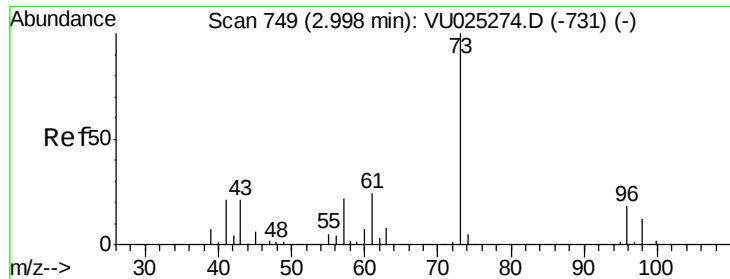
MMDadoda
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#18
Methyl Acetate
Concen: 52.626 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion: 43 Resp: 146075
Ion Ratio Lower Upper
43 100
74 22.6 18.5 27.7





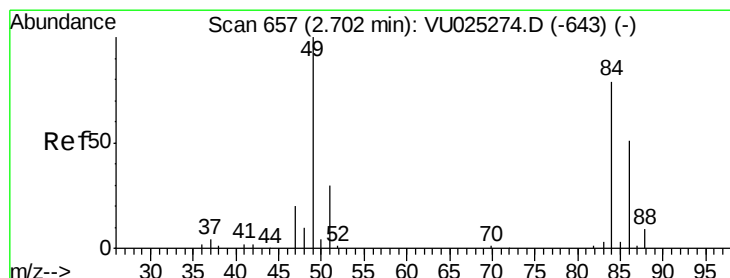
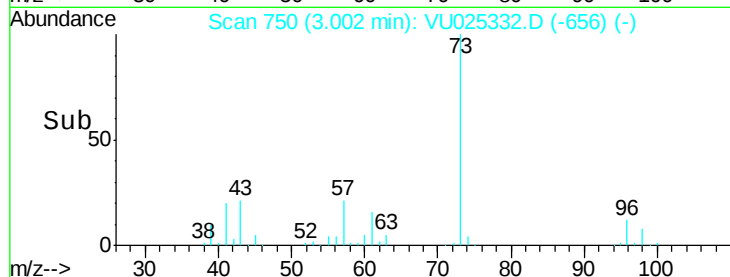
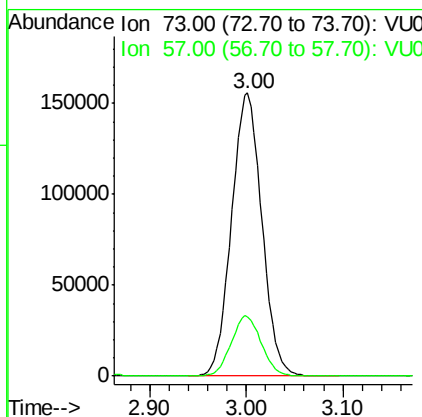
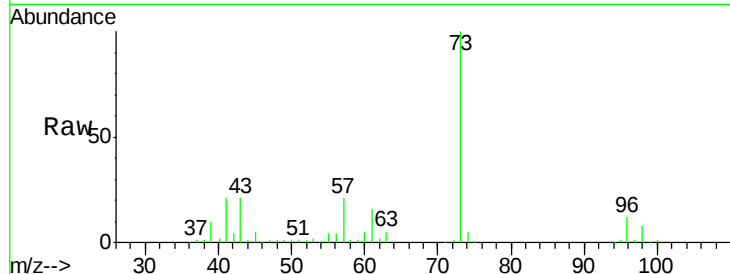
#19
Methyl tert-butyl Ether
Concen: 50.364 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 338856
Ion Ratio Lower Upper
73 100
57 21.1 17.4 26.2

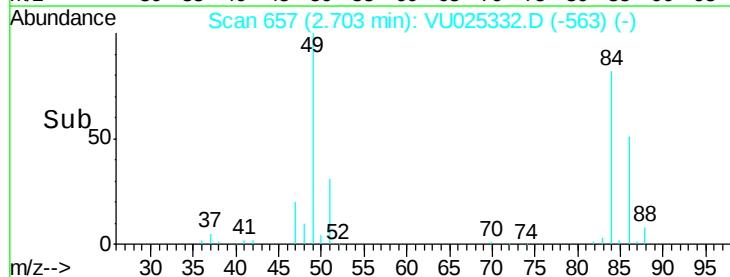
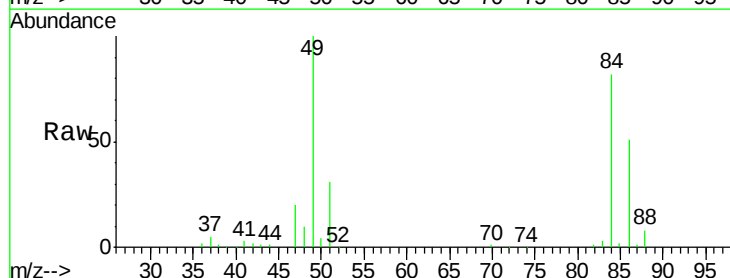
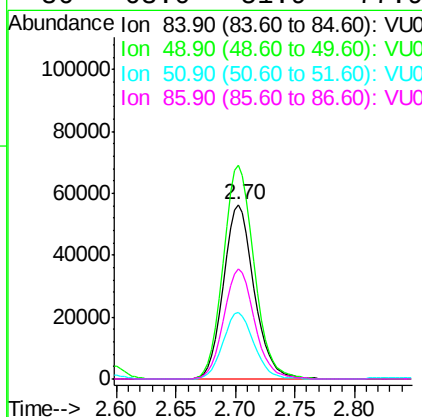
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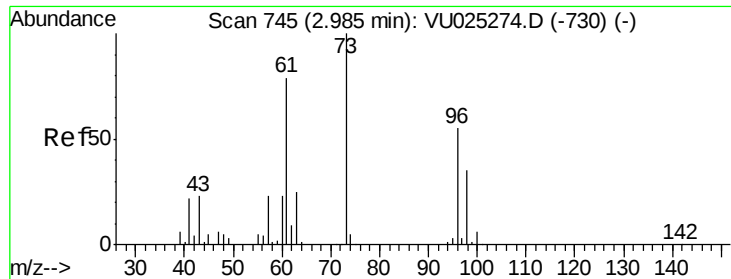
MMDadoda
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#20
Methylene Chloride
Concen: 48.059 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion: 84 Resp: 100738
Ion Ratio Lower Upper
84 100
49 122.4 101.8 152.6
51 38.5 30.8 46.2
86 63.0 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 45.339 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 91646

Ion Ratio Lower Upper

96 100

61 145.9 114.5 171.7

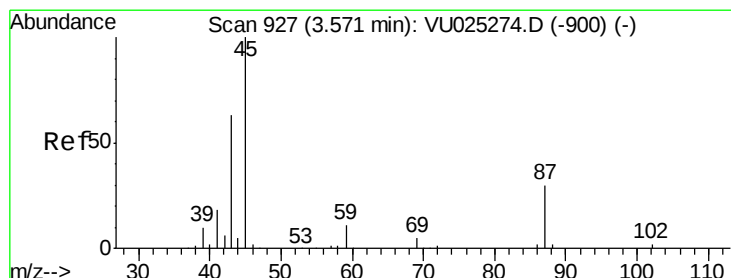
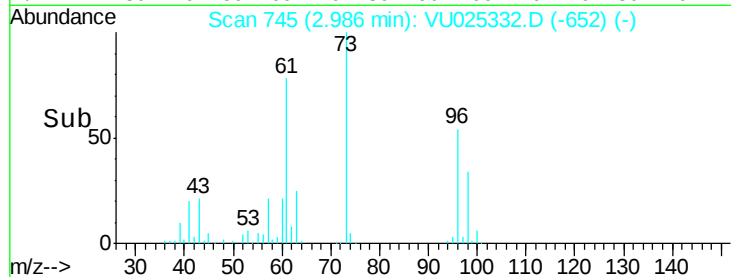
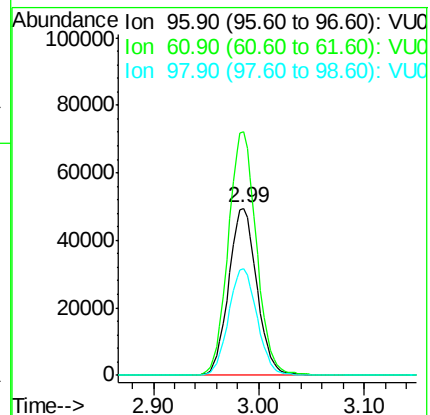
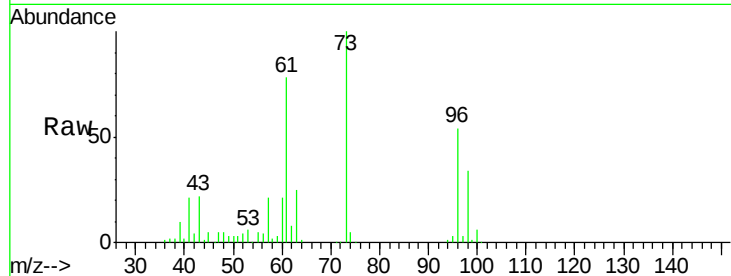
98 63.9 50.5 75.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.311 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion: 45 Resp: 329593

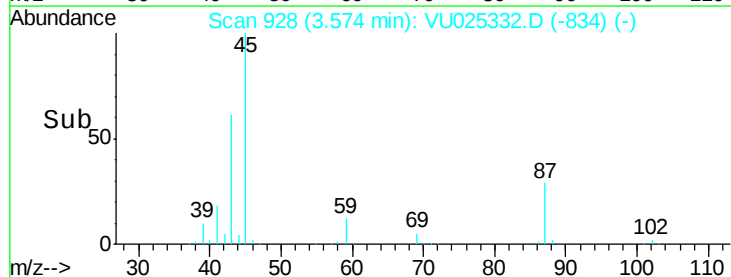
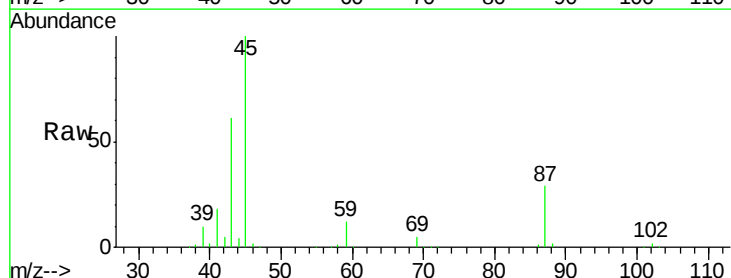
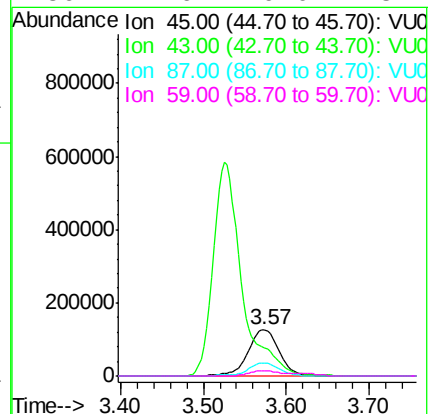
Ion Ratio Lower Upper

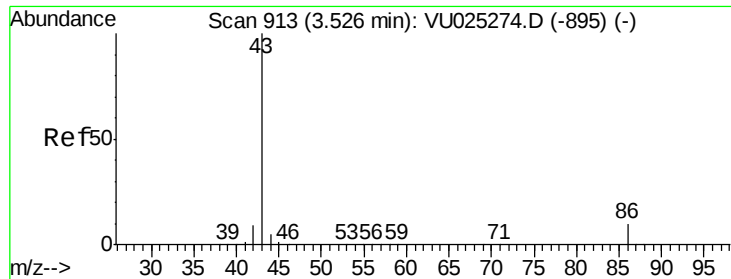
45 100

43 59.7 50.9 76.3

87 29.0 23.8 35.8

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 245.097 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1408554

Ion Ratio Lower Upper

43 100

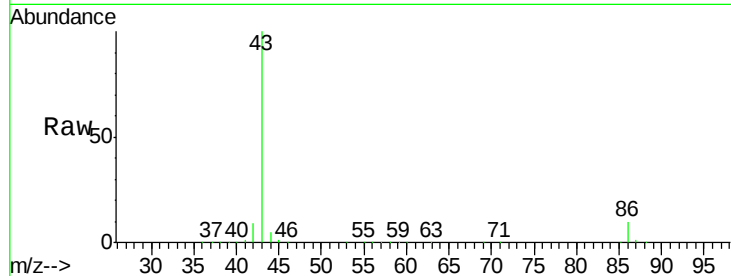
86 10.2 8.2 12.2

Manual Integrations

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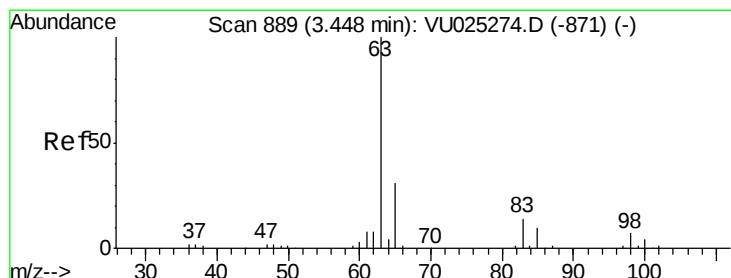
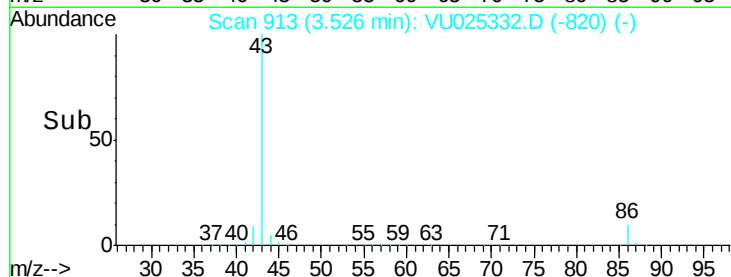
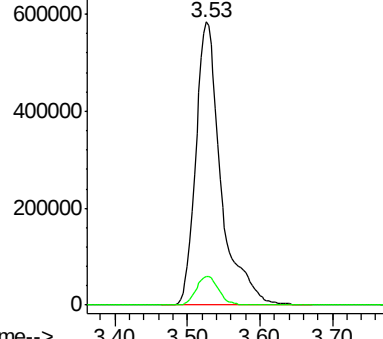
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 49.906 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

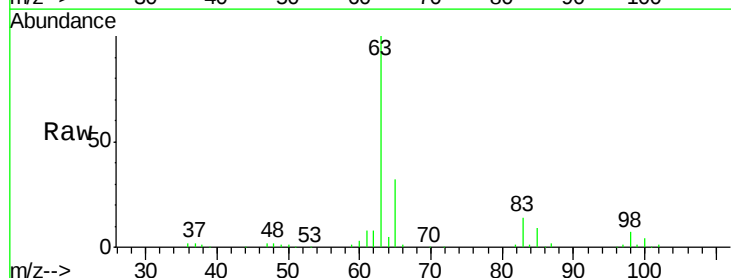
Tgt Ion: 63 Resp: 184387

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

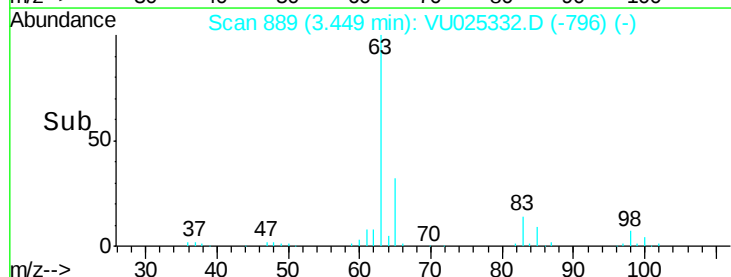
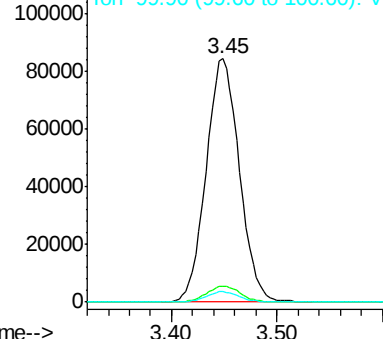
100 4.3 2.0 6.0

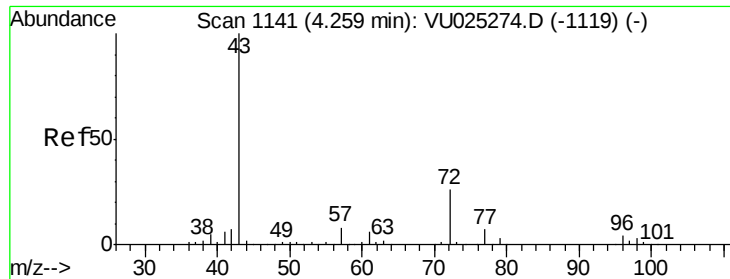


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





#25

2-Butanone

Concen: 233.812 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 439352

Ion Ratio Lower Upper

43 100

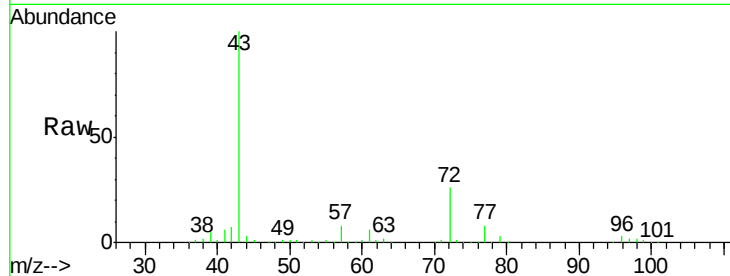
72 26.4 21.0 31.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

100000

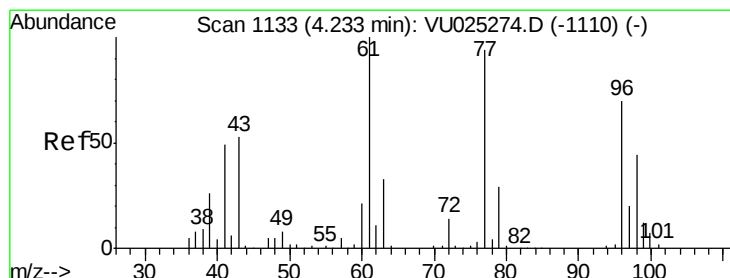
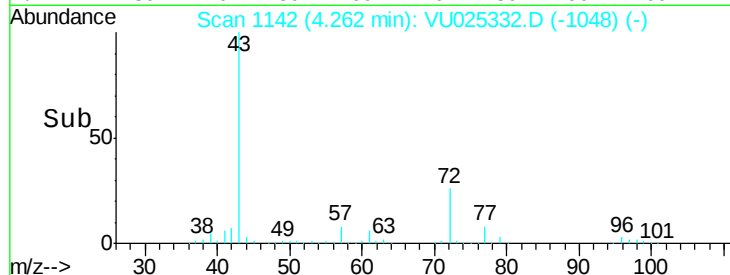
50000

0

4.20 4.30

4.26

Time-->



#26

2,2-Dichloropropane

Concen: 49.085 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025332.D

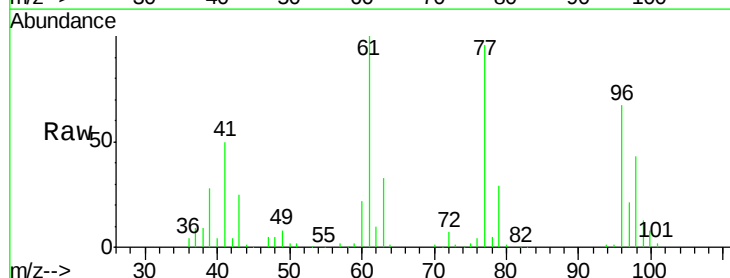
Acq: 12 Jul 2018 11:36

Tgt Ion: 77 Resp: 174371

Ion Ratio Lower Upper

77 100

97 21.6 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

40000

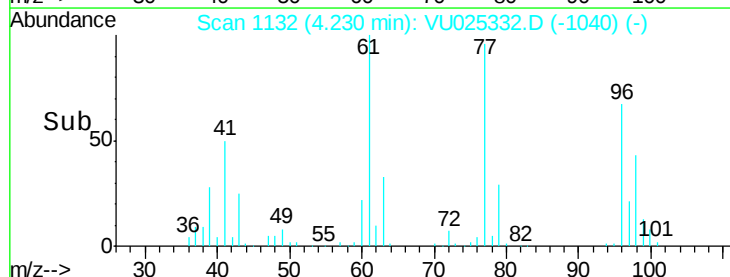
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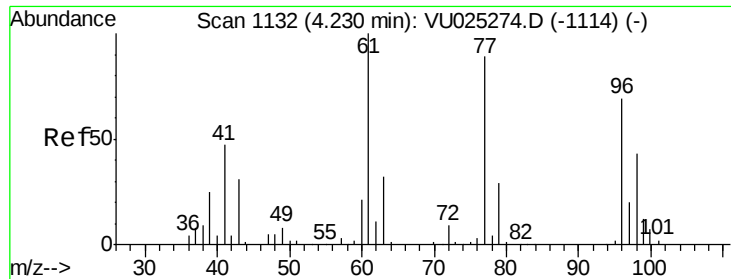
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4.10 4.20 4.30

4.23

Time-->





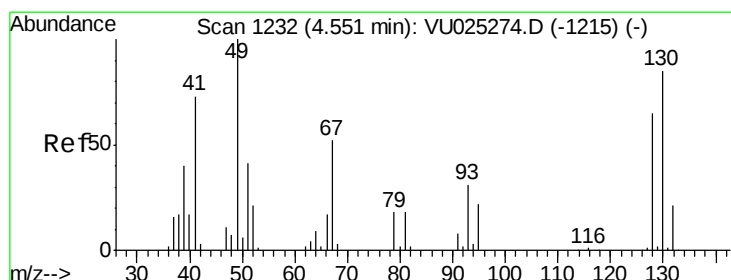
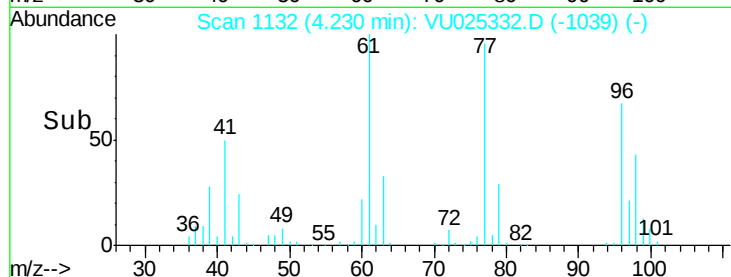
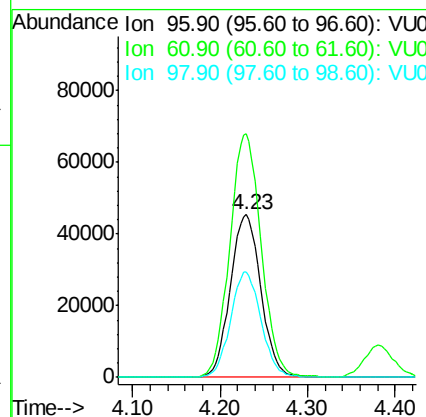
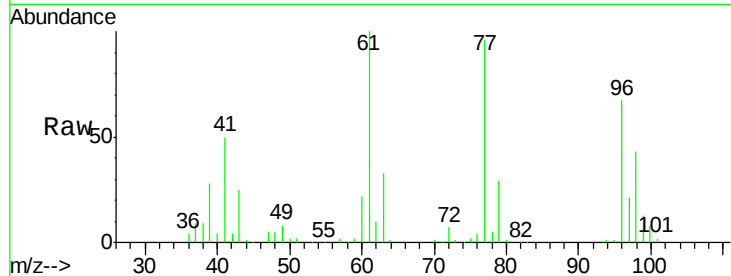
#27
 cis-1,2-Dichloroethene
 Concen: 47.225 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110448		
61	153.1	0.0	299.8	
98	64.5	0.0	128.6	

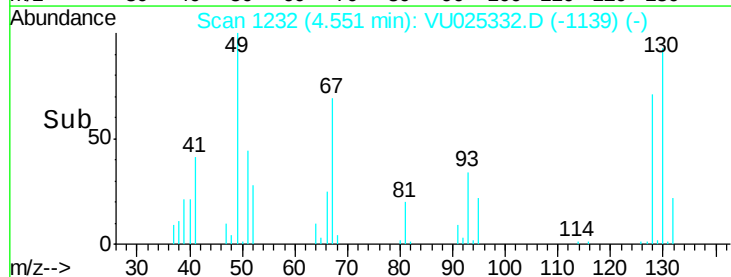
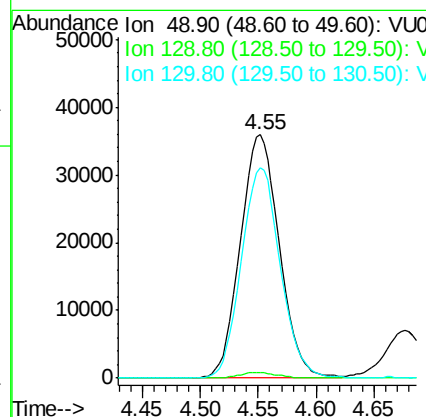
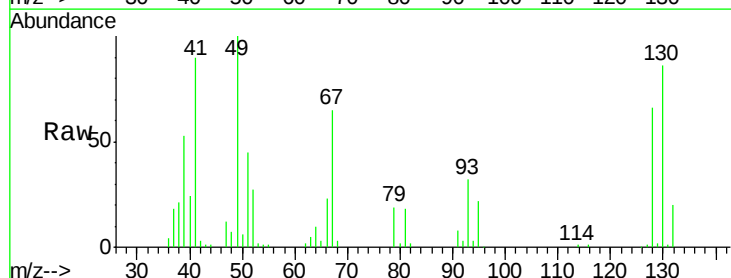
Manual Integrations
 APPROVED

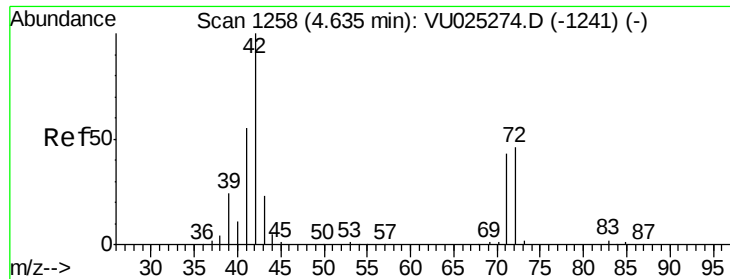
MMDadoda
 7/13/2018 11:44:08 AM



#28
 Bromochloromethane
 Concen: 47.101 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84032		
129	2.1	0.0	4.6	
130	86.6	68.6	102.8	





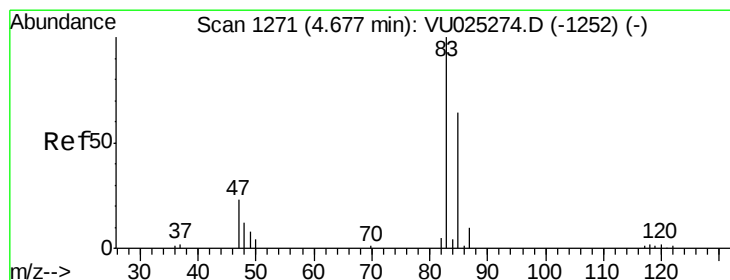
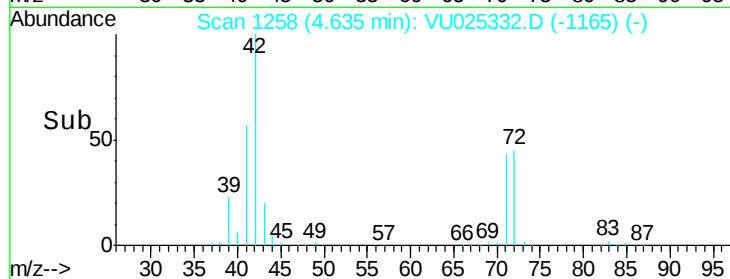
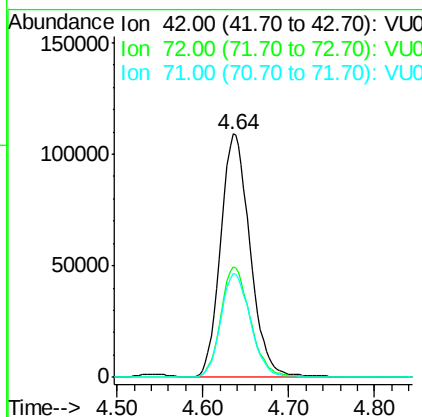
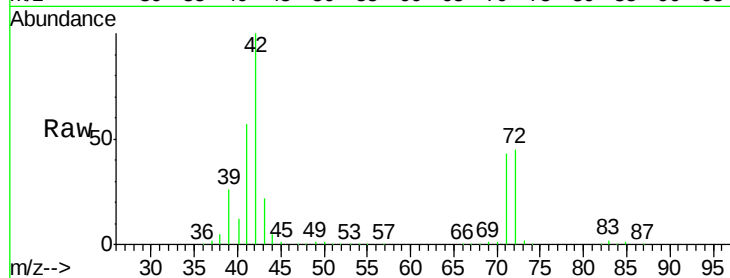
#29
Tetrahydrofuran
Concen: 229.599 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.7	55.1
71	43.2	33.9	50.9

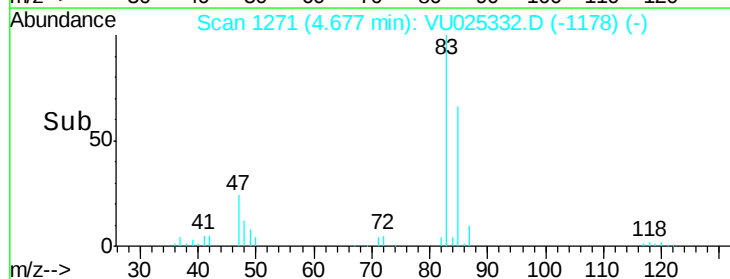
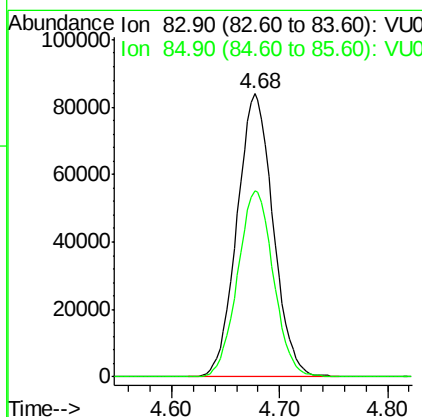
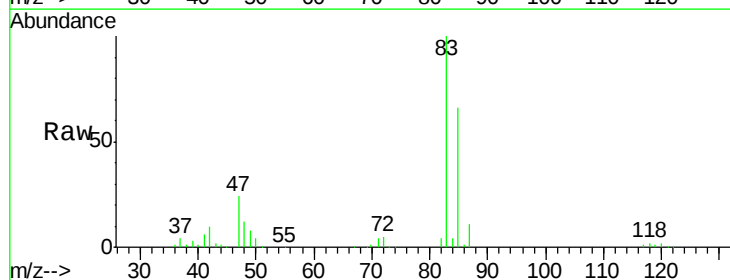
Manual Integrations
APPROVED

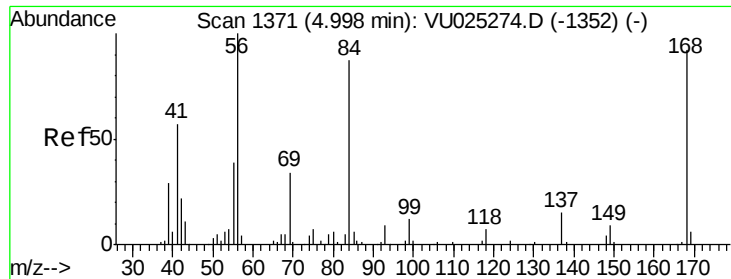
MMDadoda
7/13/2018 11:44:08 AM



#30
Chloroform
Concen: 49.978 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.5	77.3





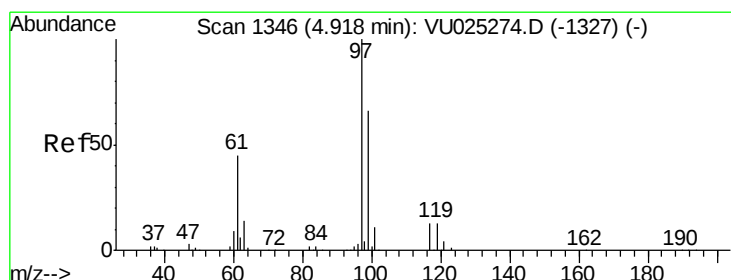
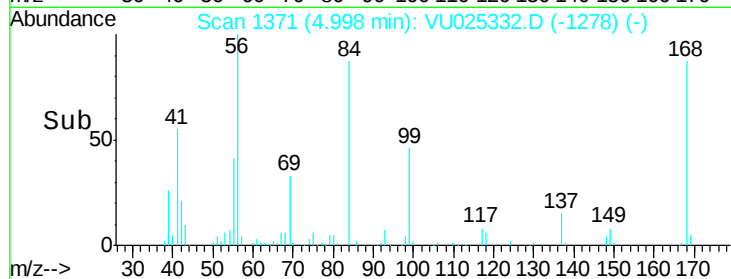
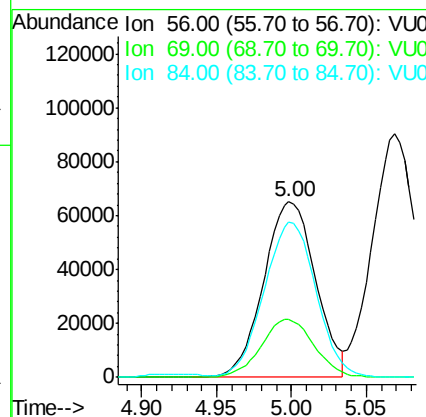
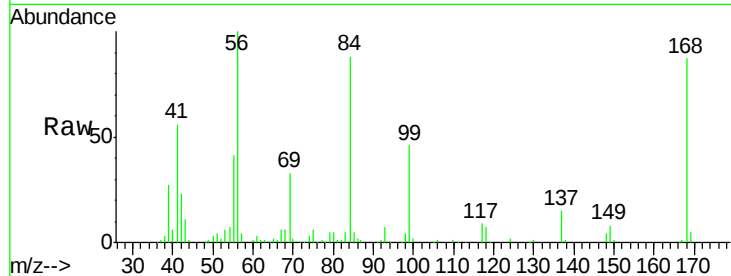
#31
Cyclohexane
Concen: 45.961 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.8	40.2
84	87.0	69.7	104.5

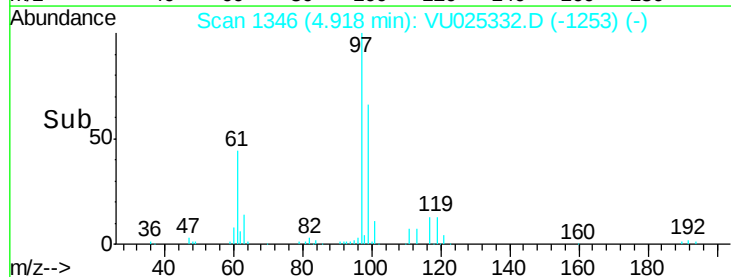
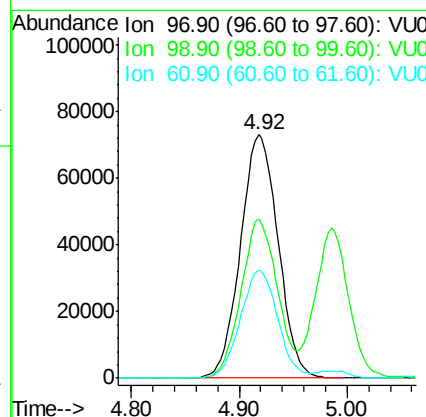
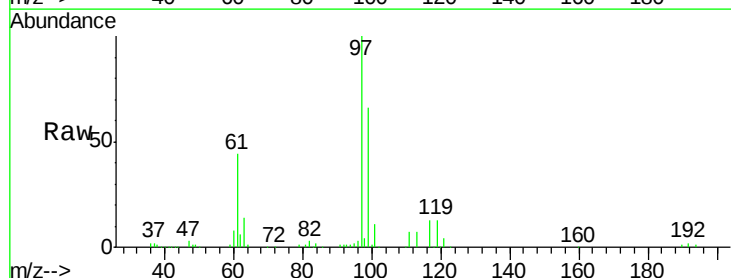
Manual Integrations
APPROVED

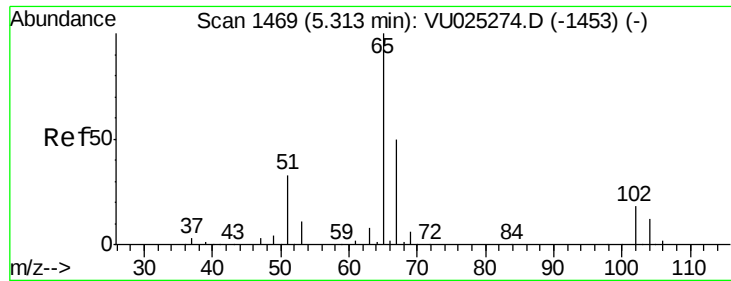
MMDadoda
7/13/2018 11:44:08 AM



#32
1,1,1-Trichloroethane
Concen: 49.969 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	44.0	35.2	52.8





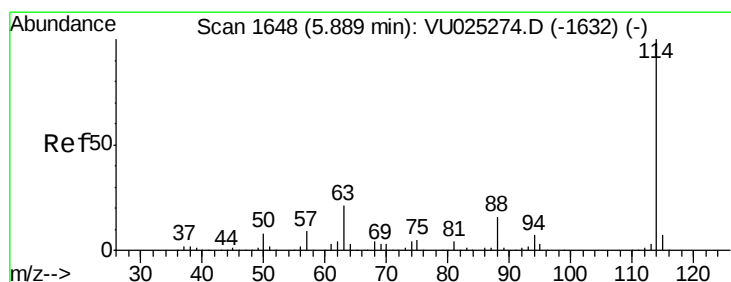
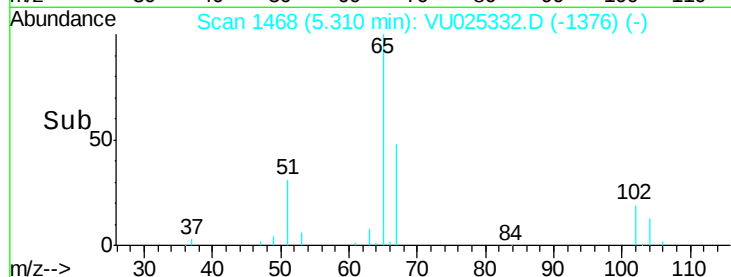
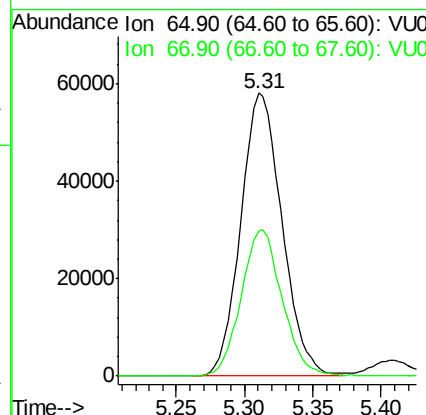
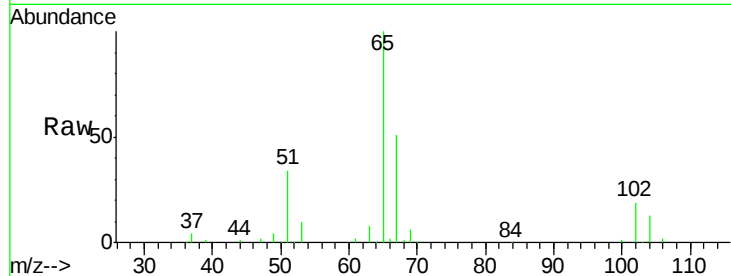
#33
 1,2-Dichloroethane-d4
 Concen: 44.997 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.6

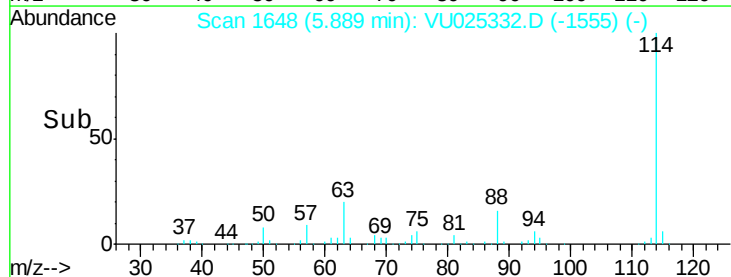
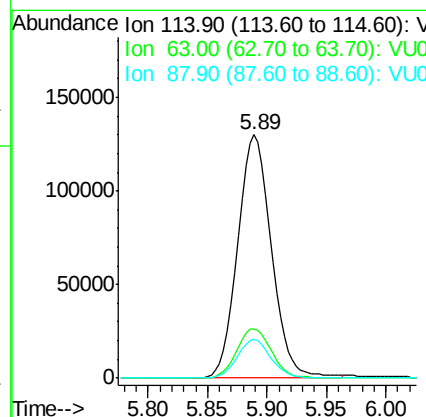
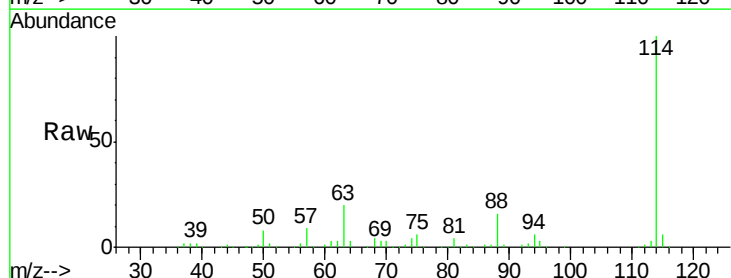
Manual Integrations
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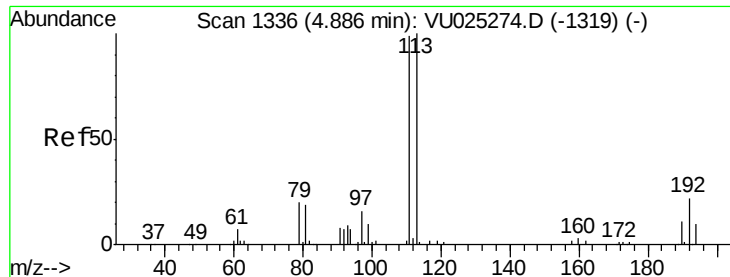
MMDadoda
 7/13/2018 11:44:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	41.6
88	15.8	0.0	32.4





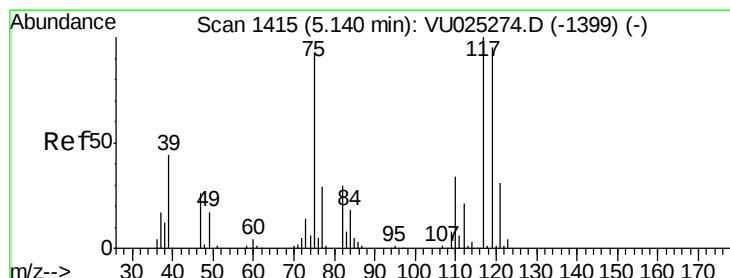
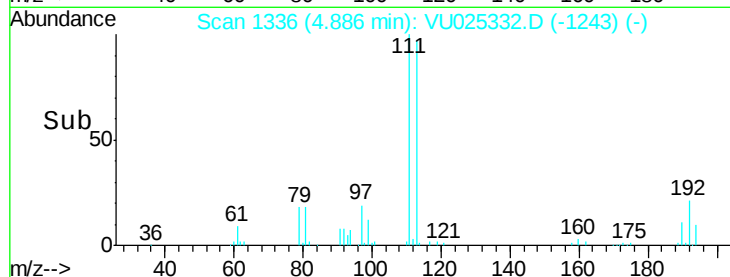
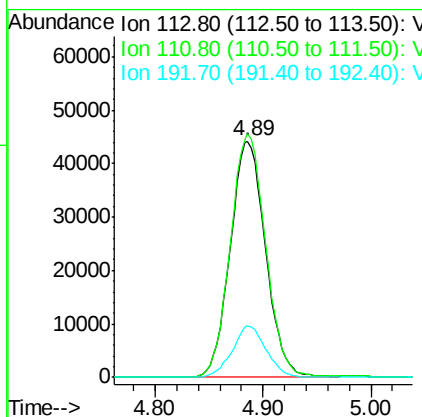
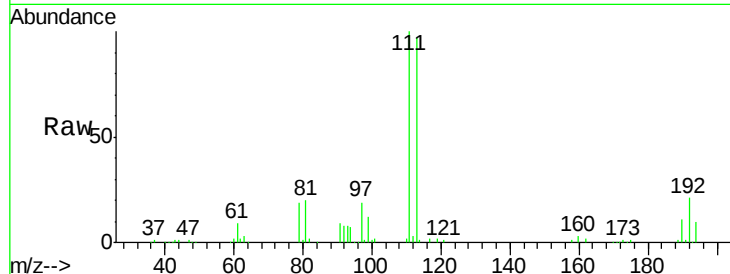
#35
 Dibromofluoromethane
 Concen: 46.641 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	81.7	122.5	
192	21.0	17.1	25.7	

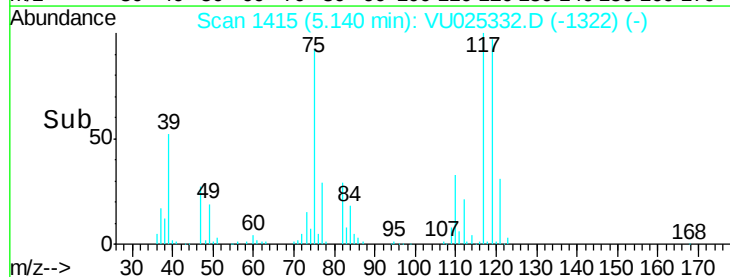
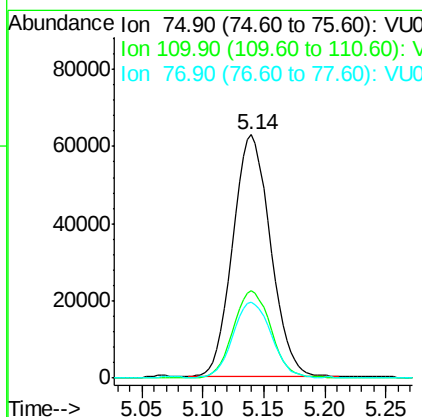
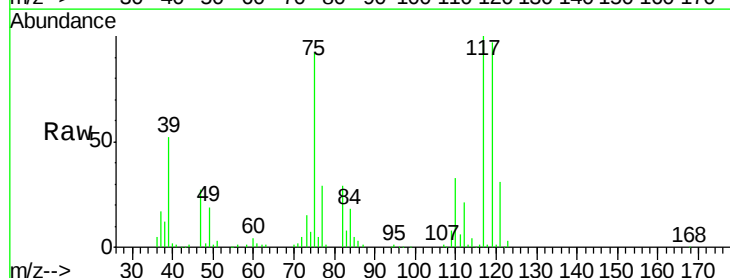
Manual Integrations
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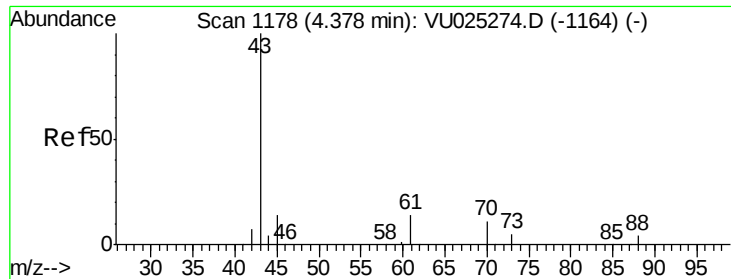
MMDadoda
 7/13/2018 11:44:08 AM



#36
 1,1-Dichloropropene
 Concen: 46.953 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.5	17.6	52.9	
77	31.7	24.4	36.6	





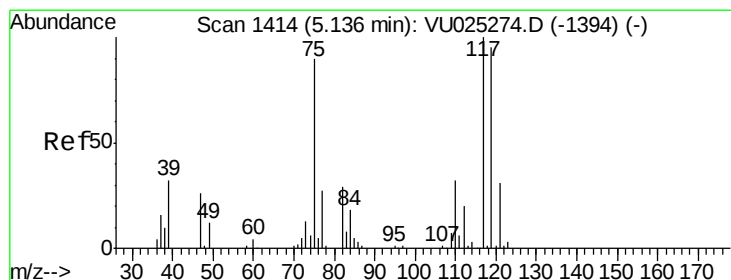
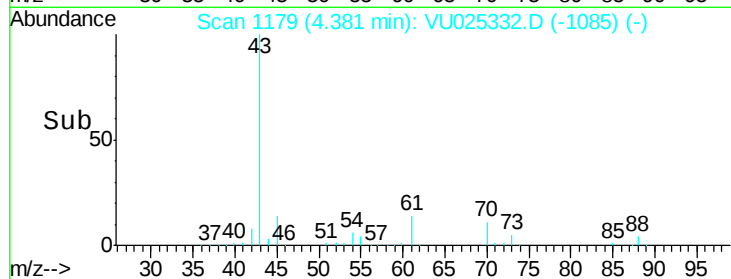
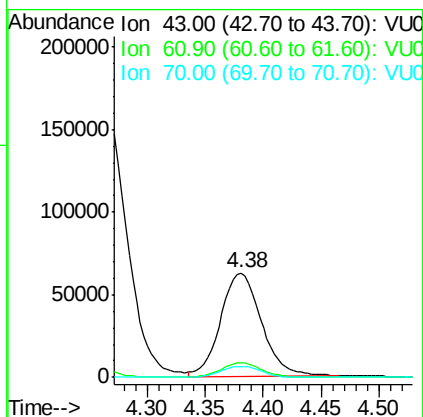
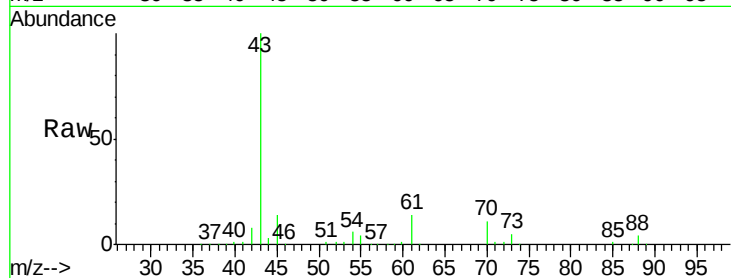
#37
Ethyl Acetate
Concen: 48.191 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.7	8.4	12.6

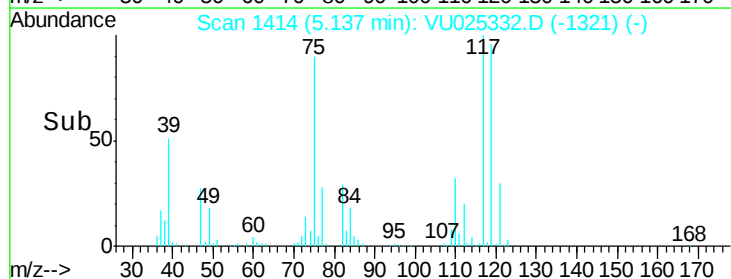
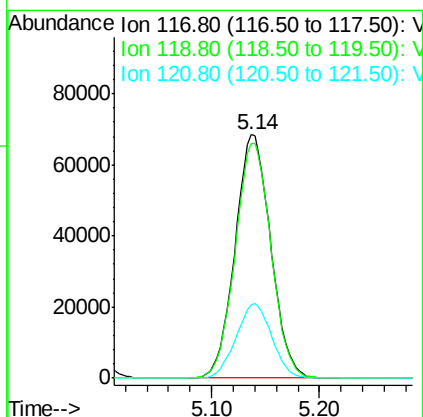
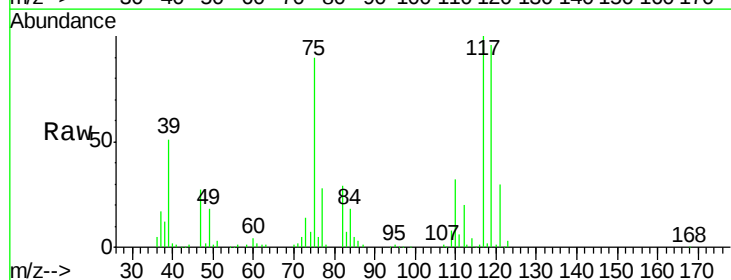
Manual Integrations
APPROVED

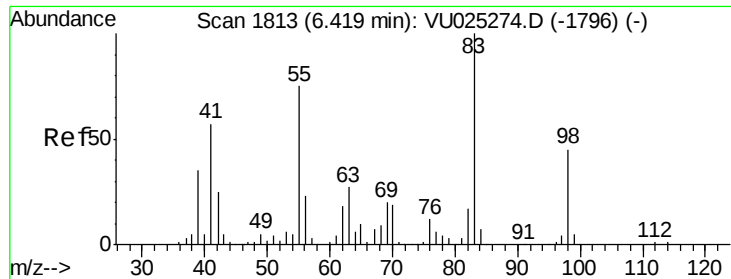
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.207 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.7	113.5
121	30.0	24.6	36.8





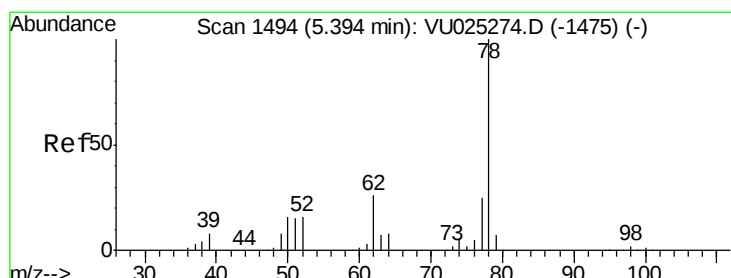
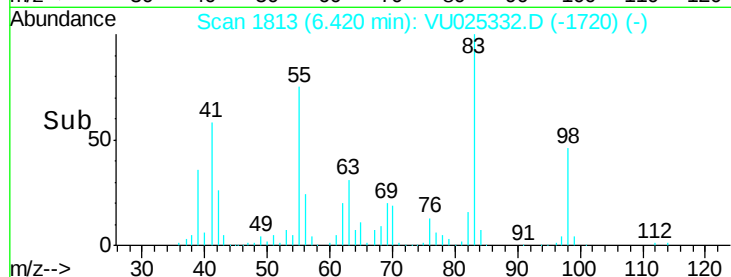
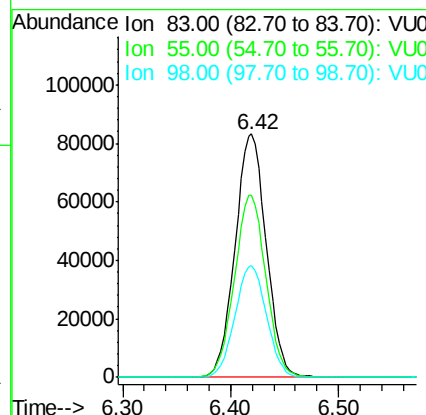
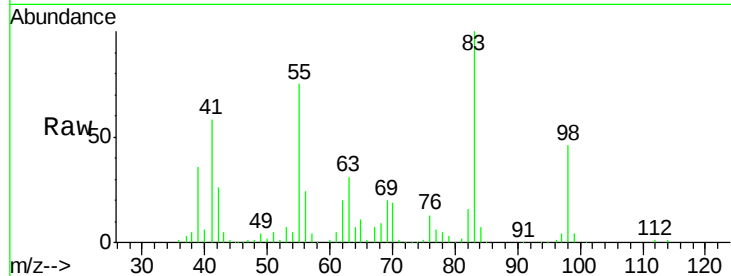
#39
Methvlcvclohexane
Concen: 47.181 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	60.0	90.0
98	45.7	36.1	54.1

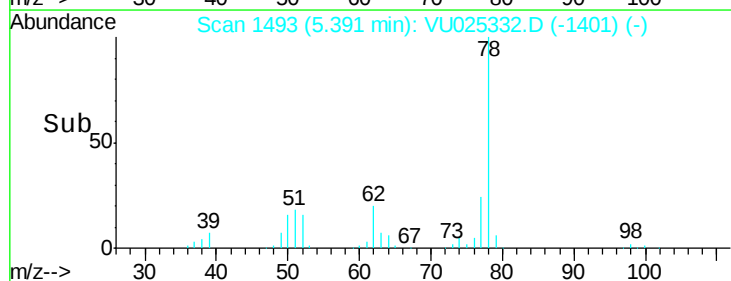
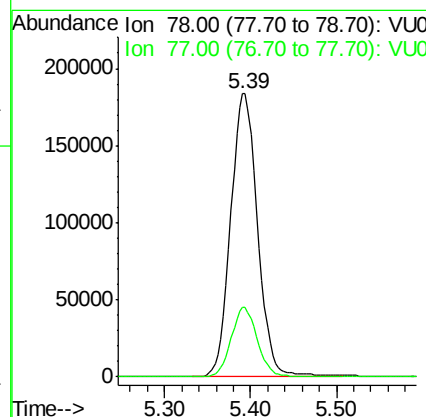
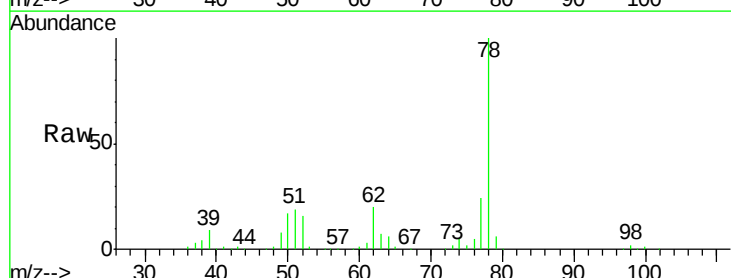
Manual Integrations
APPROVED

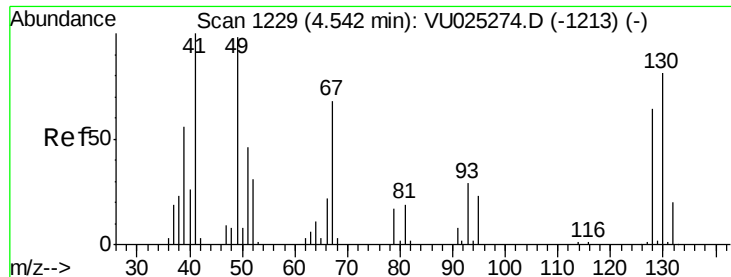
MMDadoda
7/13/2018 11:44:08 AM



#40
Benzene
Concen: 48.703 ug/l
RT: 5.39 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.8	29.6





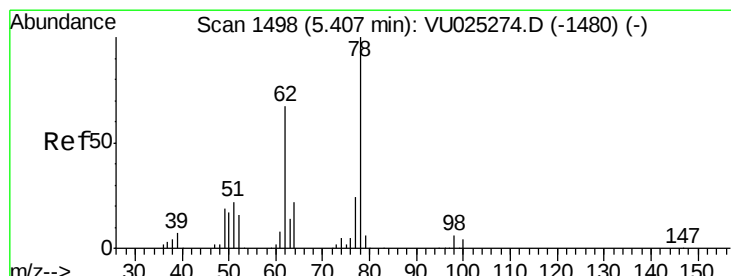
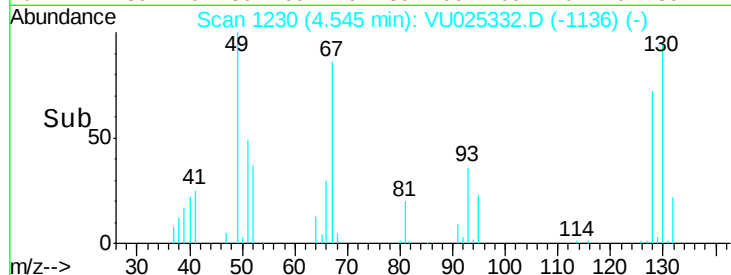
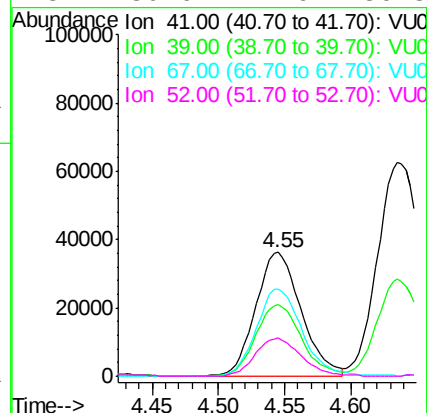
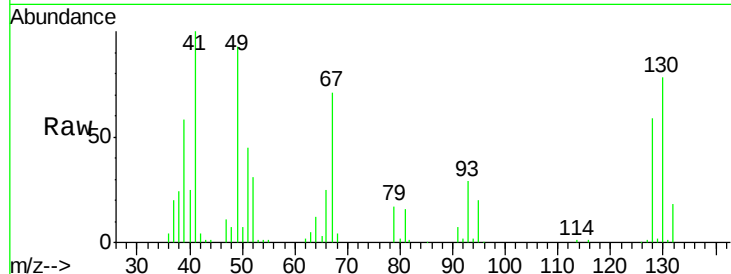
#41
Methacrylonitrile
Concen: 49.263 ug/l
RT: 4.55 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.3	44.4	66.6
67	71.0	56.0	84.0
52	30.6	24.6	36.8

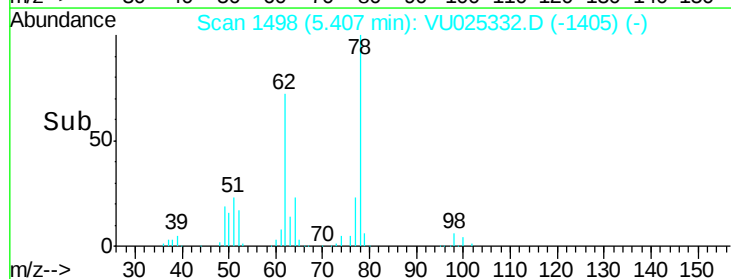
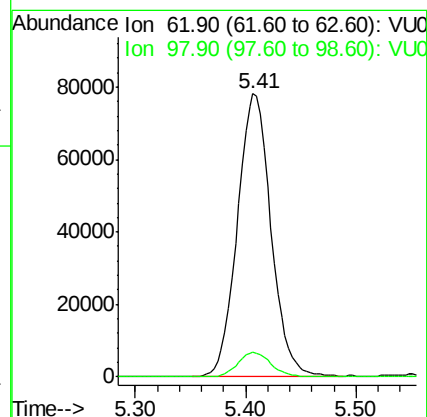
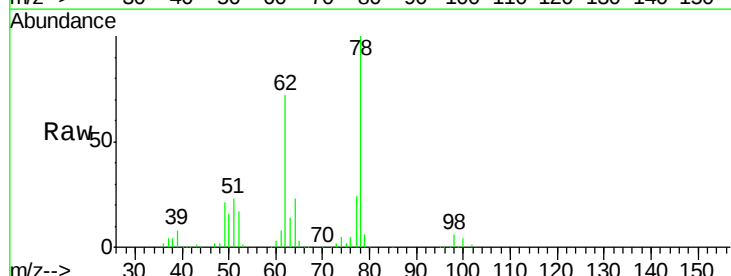
Manual Integrations
APPROVED

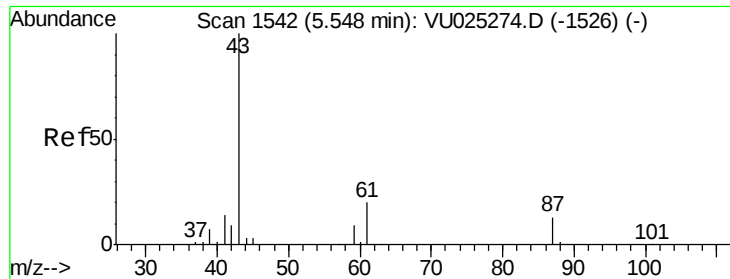
MMDadoda
7/13/2018 11:44:08 AM



#42
1,2-Dichloroethane
Concen: 50.614 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.4





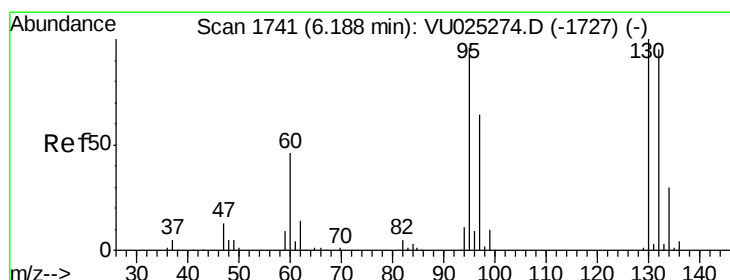
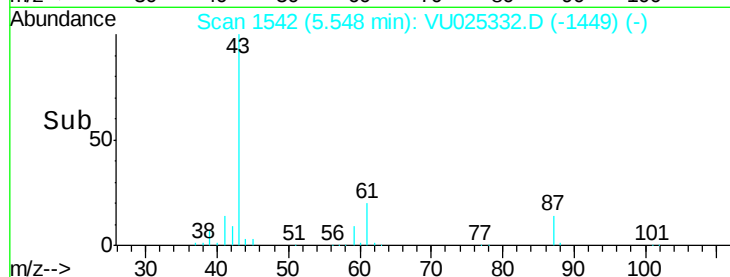
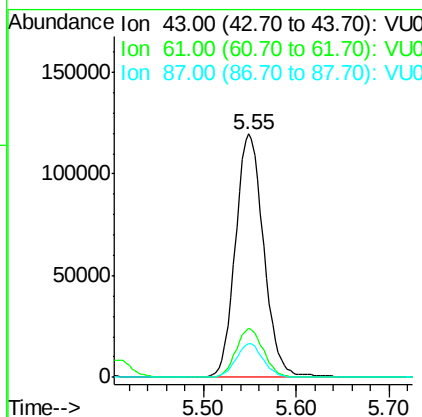
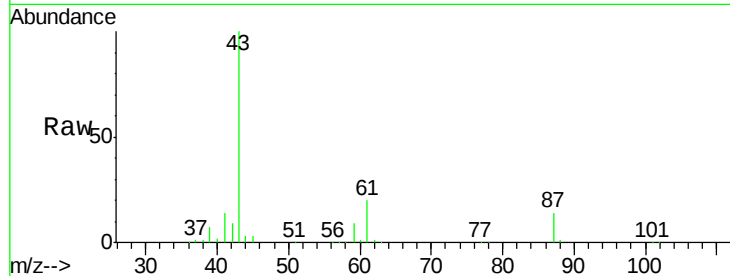
#43
Isopropyl Acetate
Concen: 49.429 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.5	23.3
87	13.4	10.6	16.0

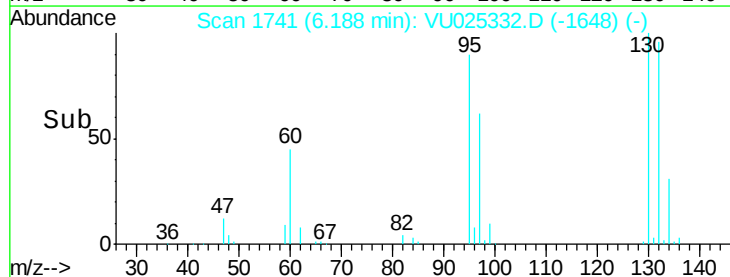
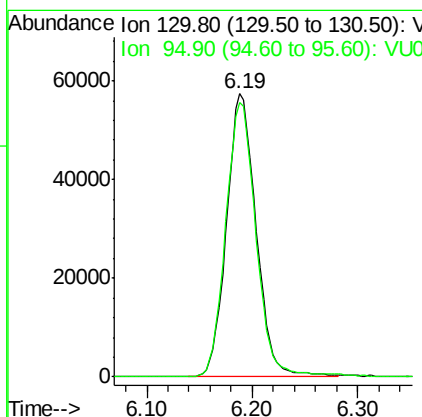
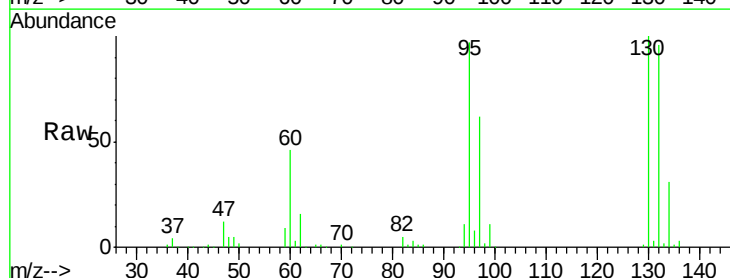
Manual Integrations
APPROVED

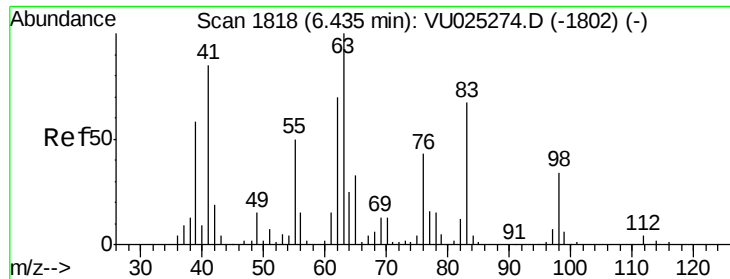
MMDadoda
7/13/2018 11:44:08 AM



#44
Trichloroethene
Concen: 47.282 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	192.2





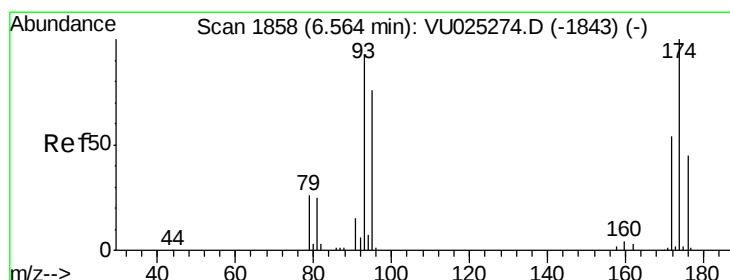
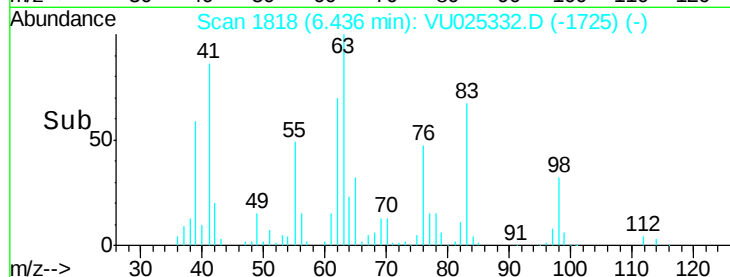
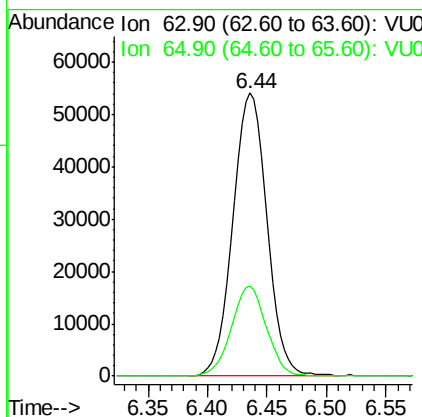
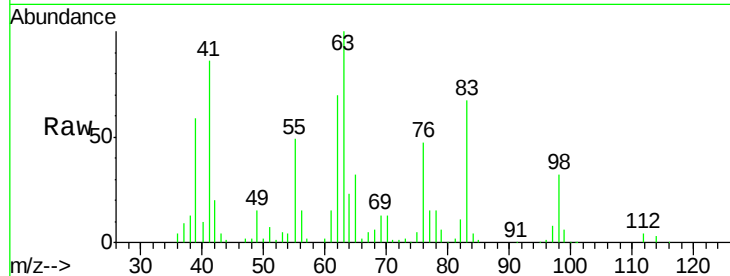
#45
 1,2-Dichloropropane
 Concen: 50.048 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 107696
 Ion Ratio Lower Upper
 63 100
 65 31.8 26.1 39.1

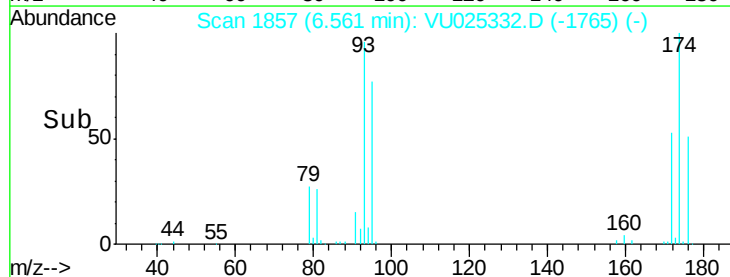
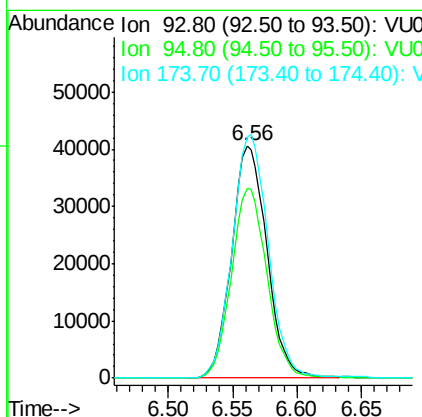
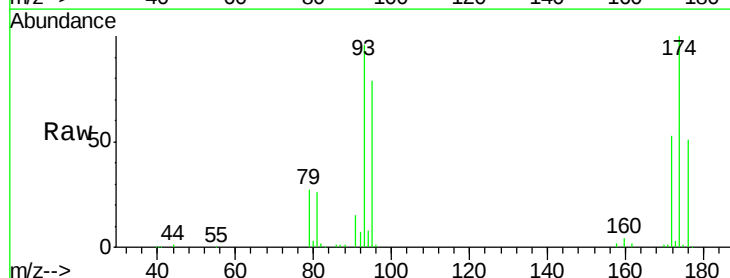
Manual Integrations
 APPROVED

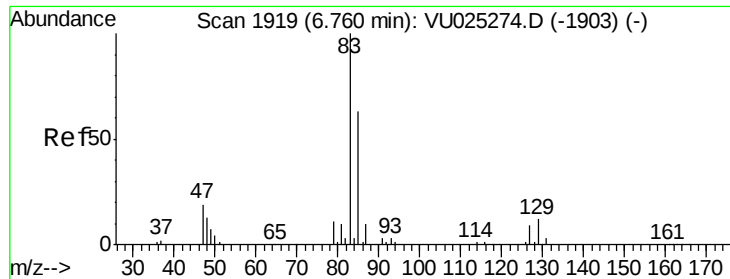
MMDadoda
 7/13/2018 11:44:08 AM



#46
 Dibromomethane
 Concen: 49.582 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion: 93 Resp: 77644
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 106.5 85.8 128.8





#47

Bromodichloromethane

Concen: 51.815 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

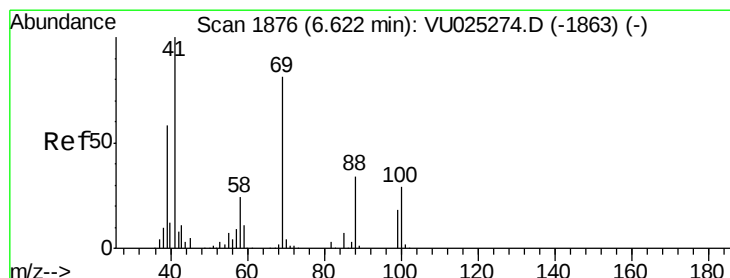
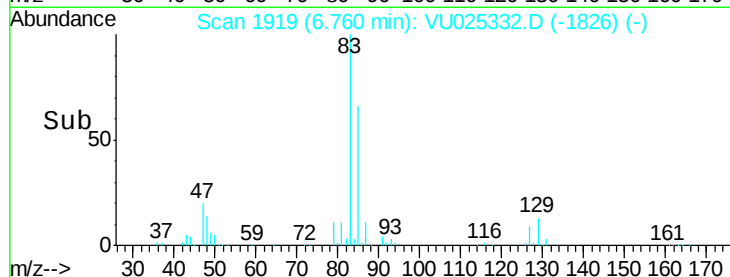
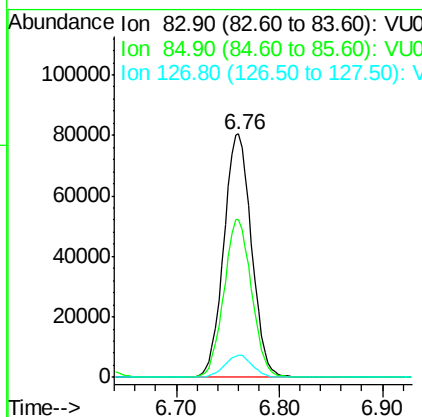
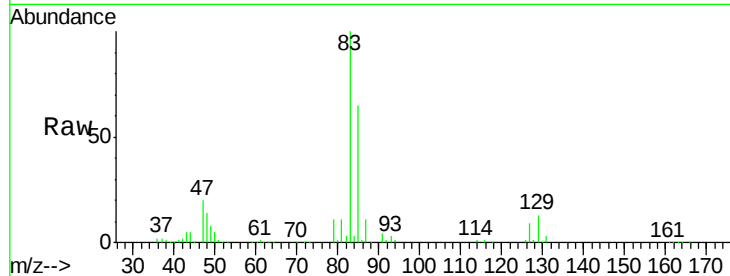
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	150734
Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.4
127	9.3	7.2	10.8

Manual Integrations
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MMDadoda
7/13/2018 11:44:08 AM



#48

Methyl methacrylate

Concen: 50.461 ug/l

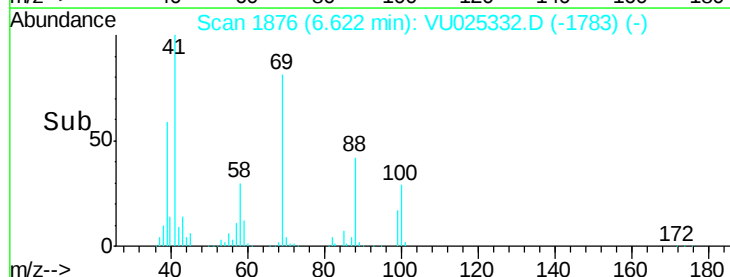
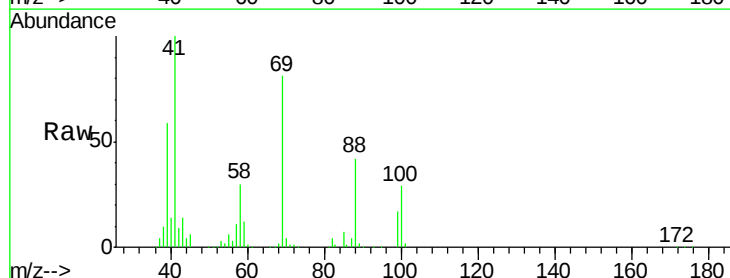
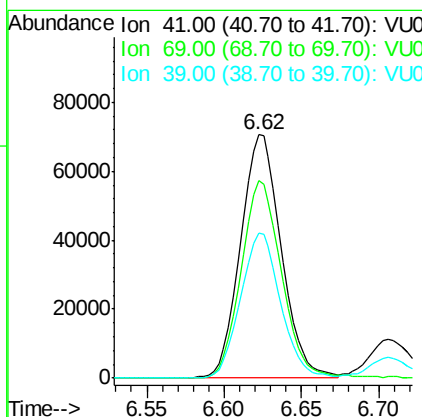
RT: 6.62 min Scan# 1876

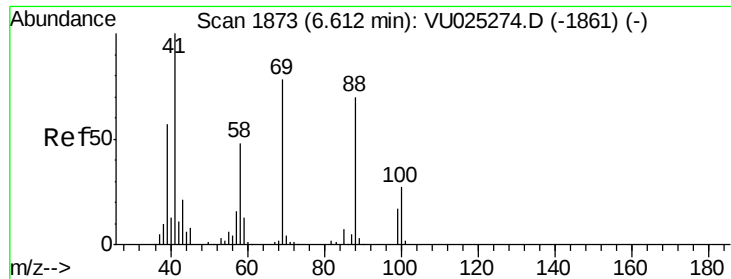
Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	41	Resp:	128079
Ion	Ratio	Lower	Upper
41	100		
69	81.7	65.0	97.4
39	58.5	46.4	69.6





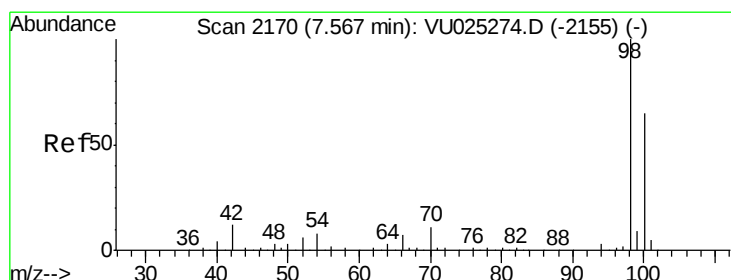
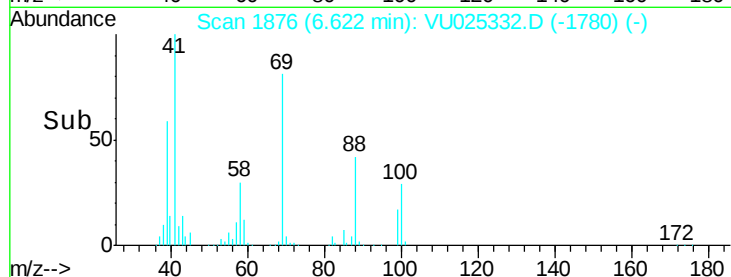
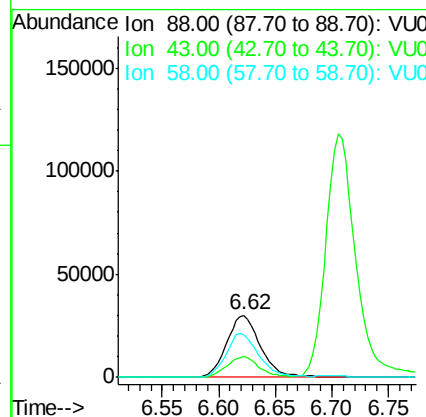
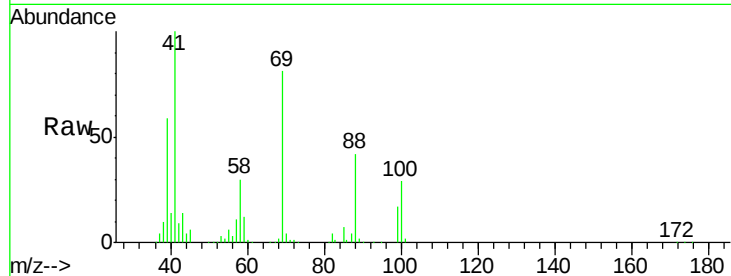
#49
1,4-Dioxane
Concen: 1003.377 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	27.3	40.9
58	70.1	57.6	86.4

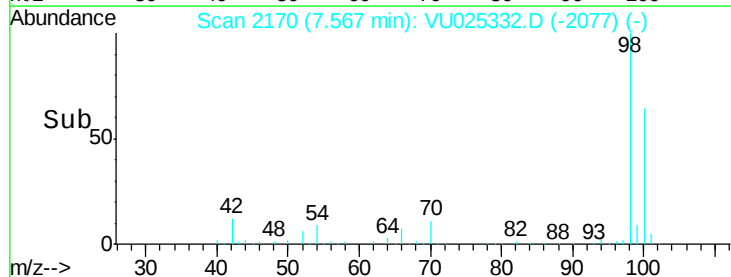
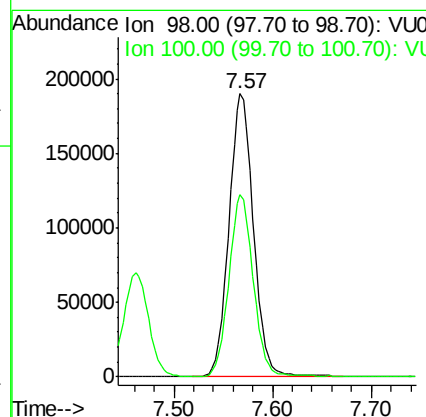
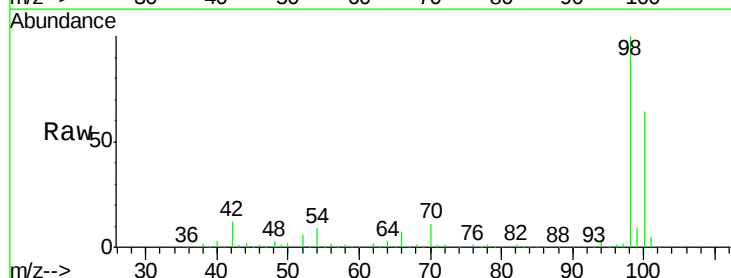
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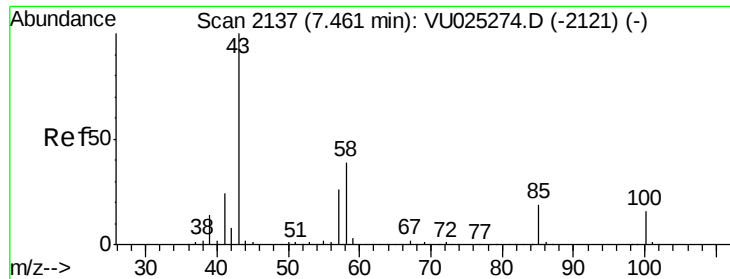
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#50
Toluene-d8
Concen: 44.778 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 243.023 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 804214

Ion Ratio Lower Upper

43 100

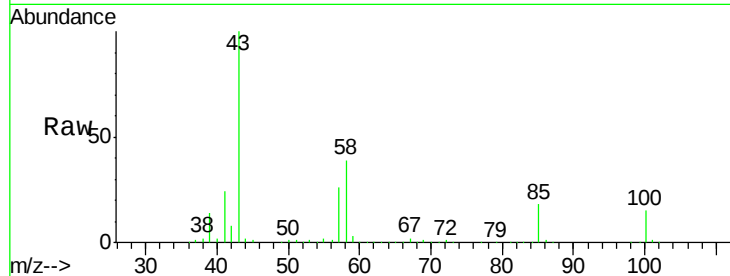
58 39.1 31.0 46.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

500000

400000

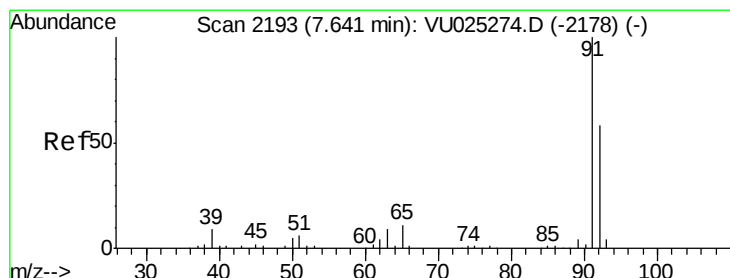
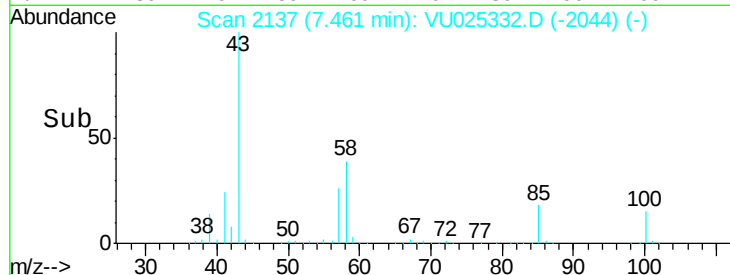
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.489 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025332.D

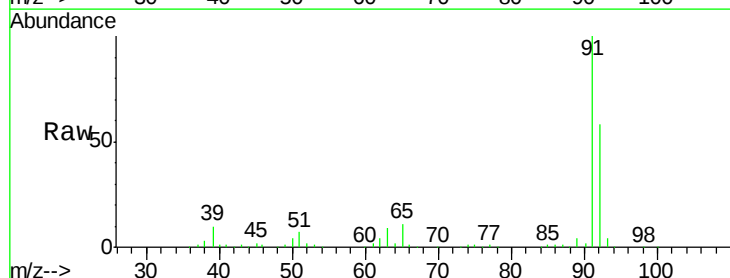
Acq: 12 Jul 2018 11:36

Tgt Ion: 92 Resp: 258673

Ion Ratio Lower Upper

92 100

91 173.5 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

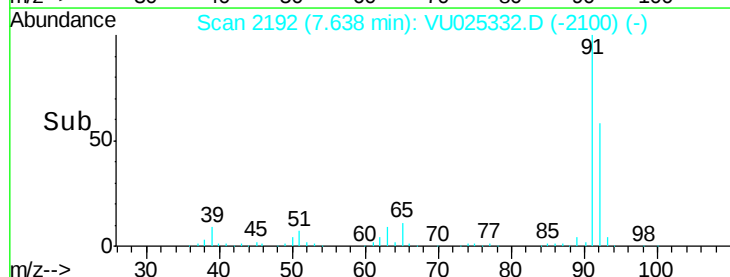
150000

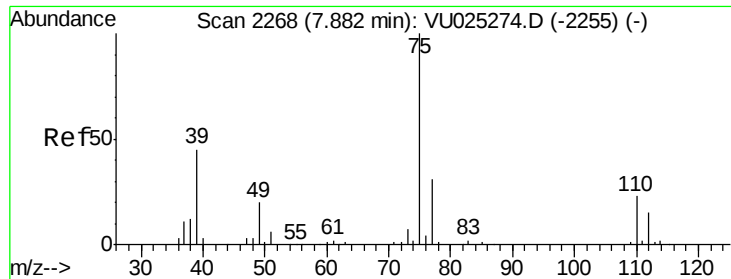
100000

50000

0

Time-->





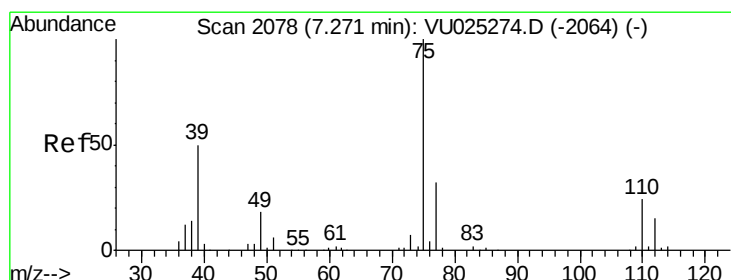
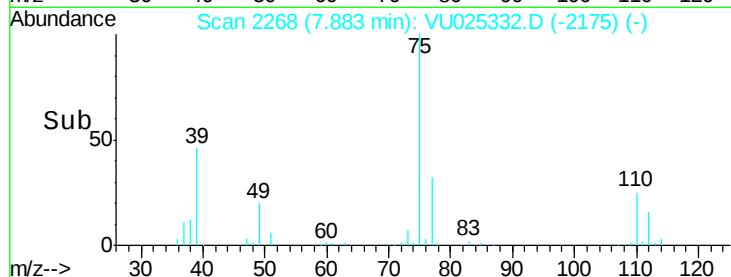
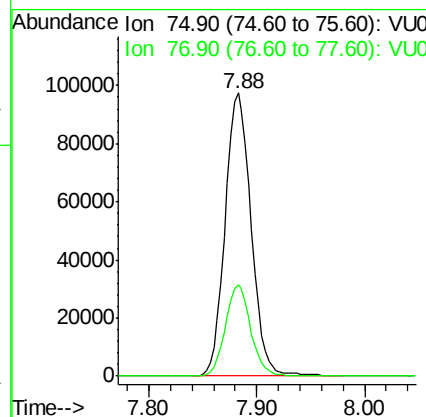
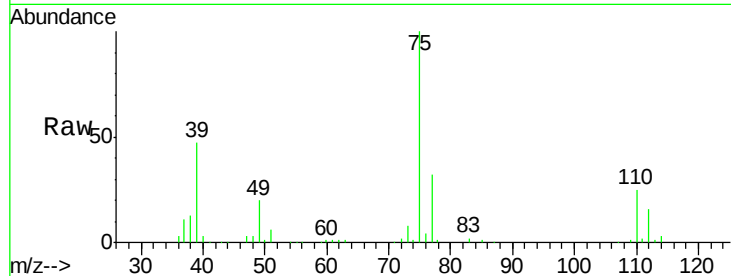
#53
t-1,3-Dichloropropene
Concen: 51.203 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100	163655		
77	32.3	24.5	36.7	

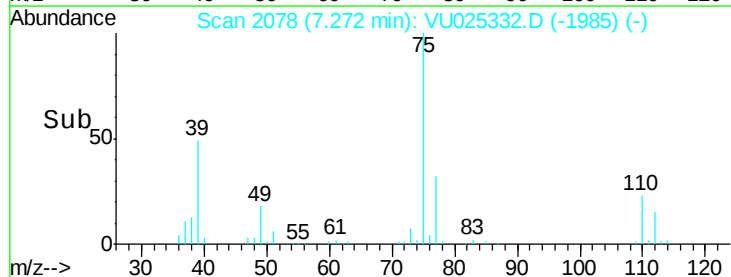
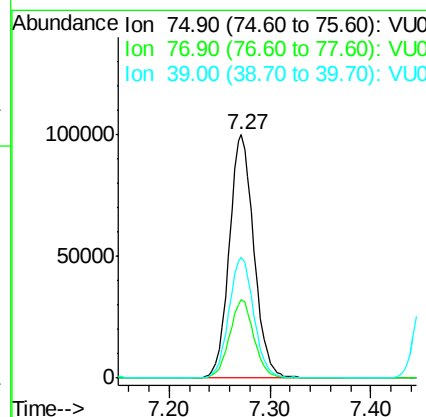
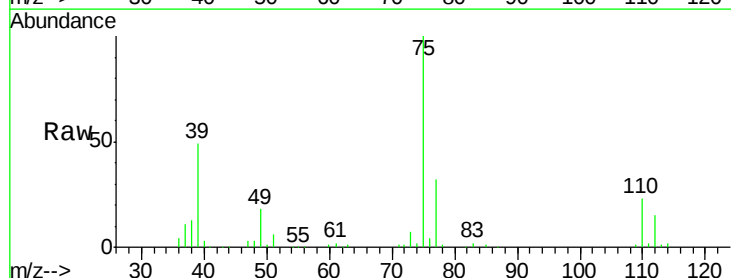
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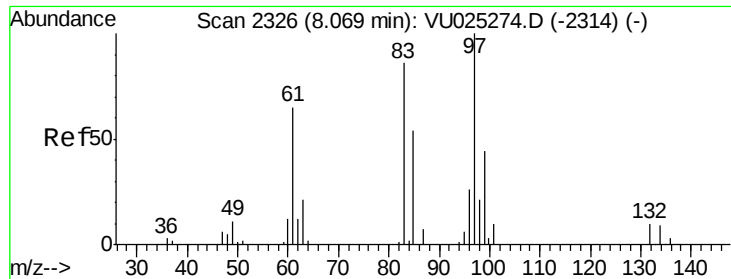
MMDadoda
7/13/2018 11:44:08 AM



#54
cis-1,3-Dichloropropene
Concen: 50.073 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170334		
77	32.2	25.6	38.4	
39	49.3	40.0	60.0	





#55

1,1,2-Trichloroethane

Concen: 50.449 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

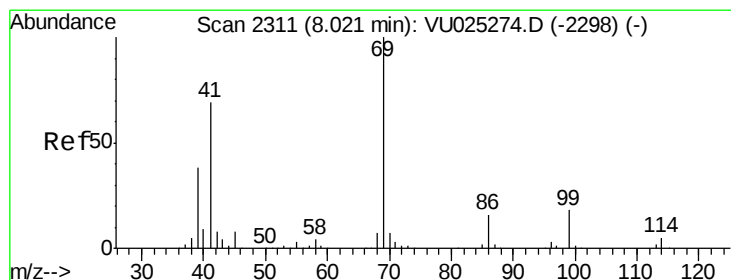
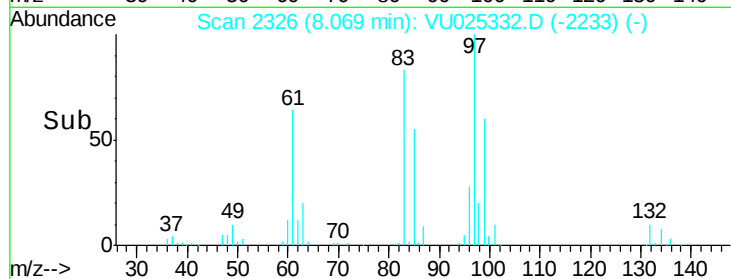
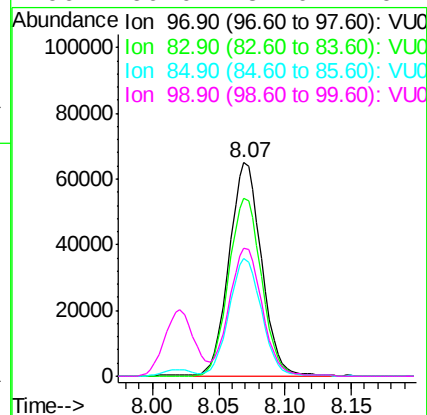
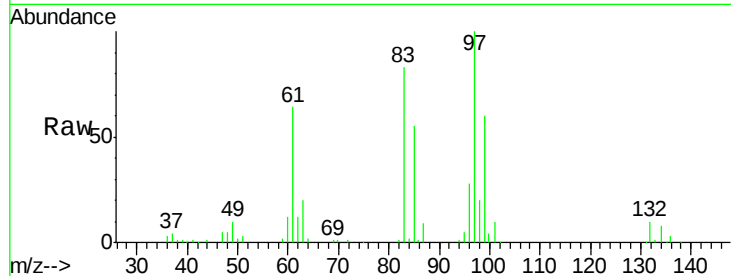
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	109821
Ion Ratio	Lower	Upper	
97	100		
83	83.3	68.9	103.3
85	55.1	44.4	66.6
99	60.0	51.0	76.4

Manual Integrations
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7/13/2018 11:44:08 AM



#56

Ethyl methacrylate

Concen: 49.870 ug/l

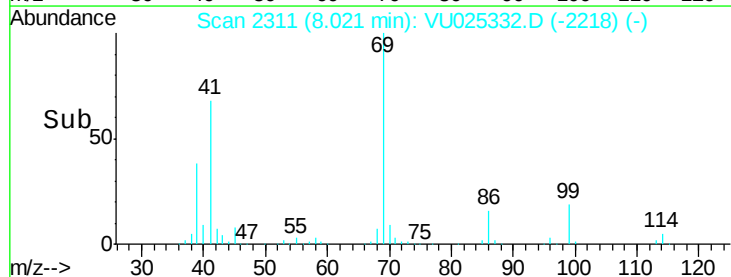
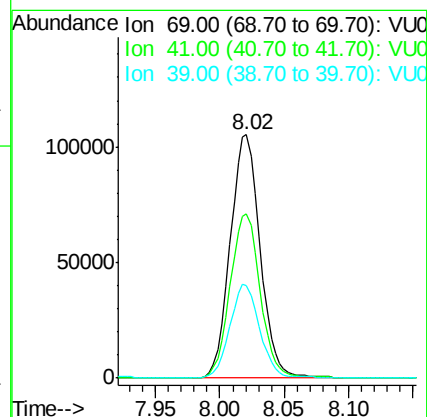
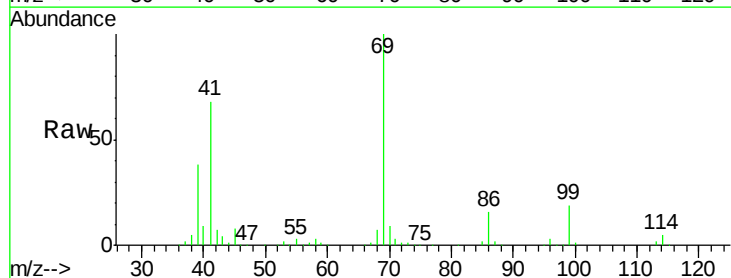
RT: 8.02 min Scan# 2311

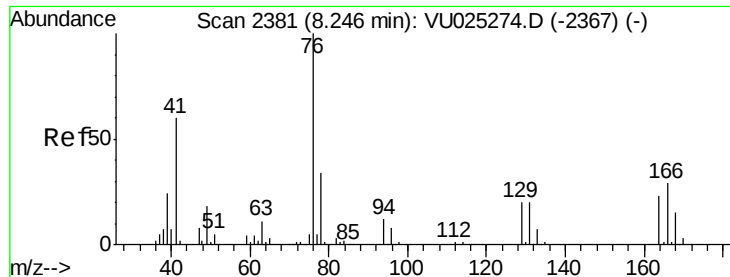
Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	69	Resp:	169558
Ion Ratio	Lower	Upper	
69	100		
41	67.7	54.8	82.2
39	37.6	31.1	46.7





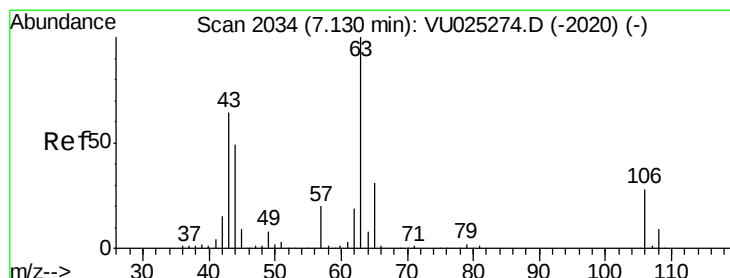
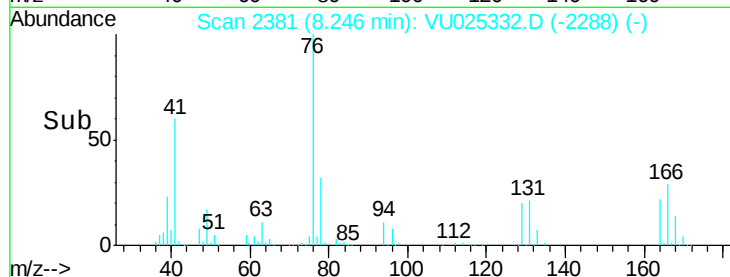
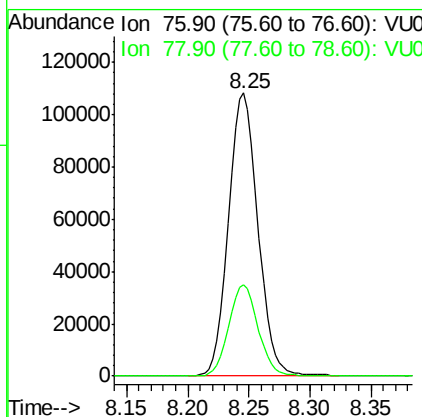
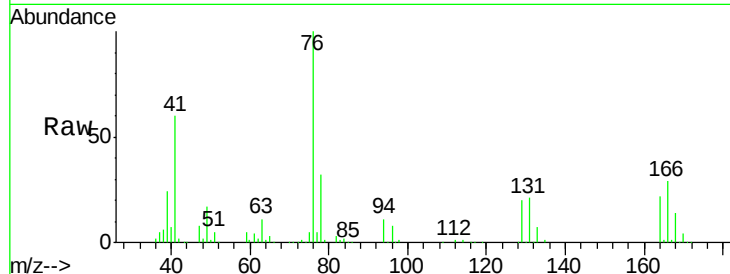
#57
 1,3-Dichloropropane
 Concen: 50.624 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 182944
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

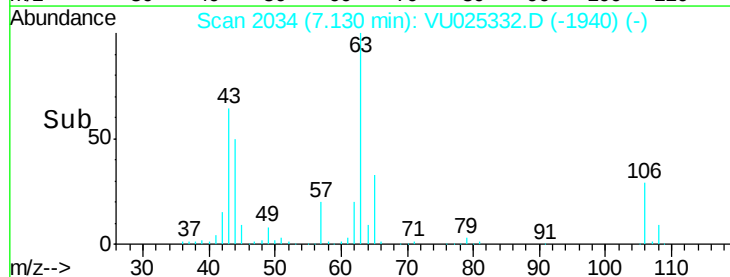
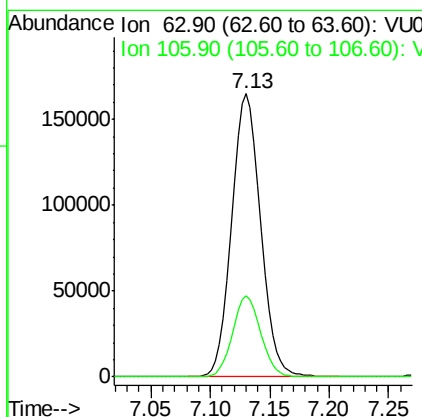
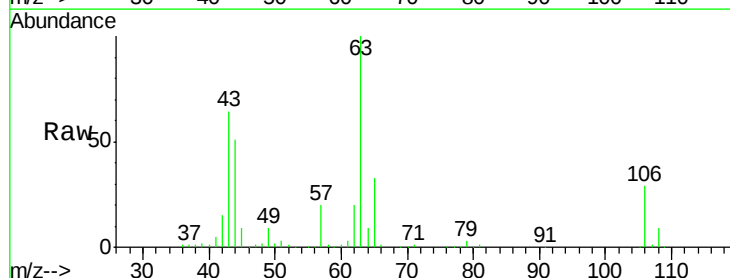
Manual Integrations
 APPROVED

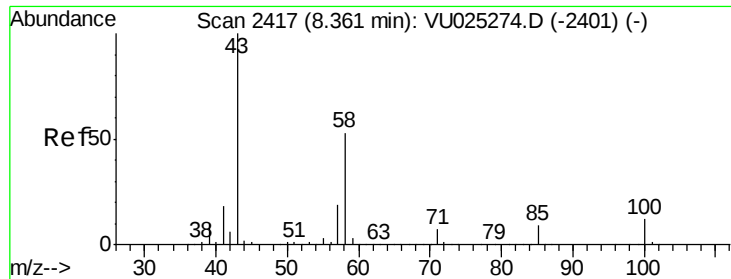
MMDadoda
 7/13/2018 11:44:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 181.655 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion: 63 Resp: 279062
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.3 33.5





#59

2-Hexanone

Concen: 237.027 ug/l

RT: 8.36 min Scan# 2417

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 636230

Ion Ratio Lower Upper

43 100

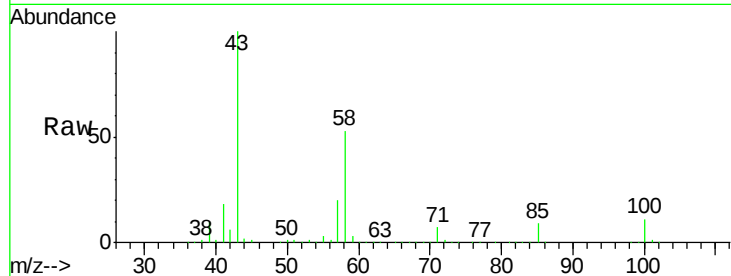
58 53.1 26.2 78.5

Manual Integrations

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MMDadoda

7/13/2018 11:44:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VU025274.D (-2401) (-)

Ion 58.00 (57.70 to 58.70): VU025274.D (-2401) (-)

8.36

400000

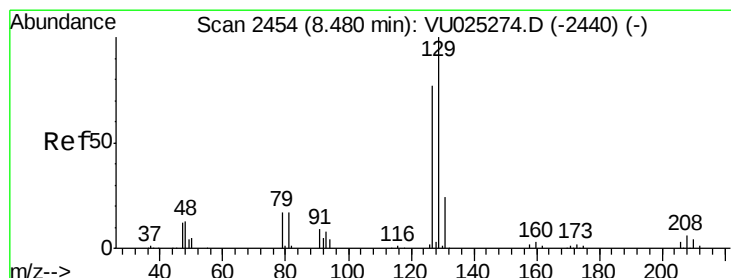
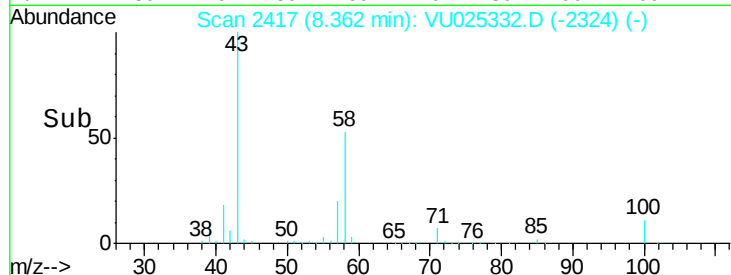
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 53.087 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025332.D

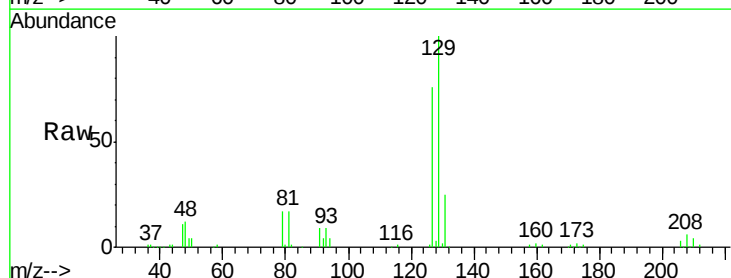
Acq: 12 Jul 2018 11:36

Tgt Ion: 129 Resp: 124804

Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.8



Abundance Ion 128.80 (128.50 to 129.50): VU025274.D (-2440) (-)

Ion 126.80 (126.50 to 127.50): VU025274.D (-2440) (-)

8.48

80000

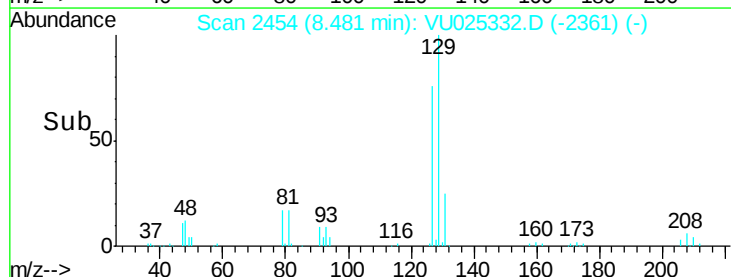
60000

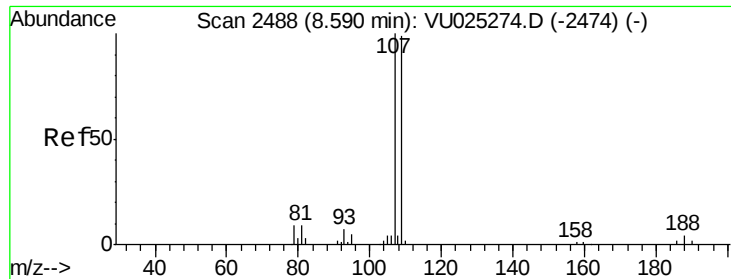
40000

20000

0

Time-->





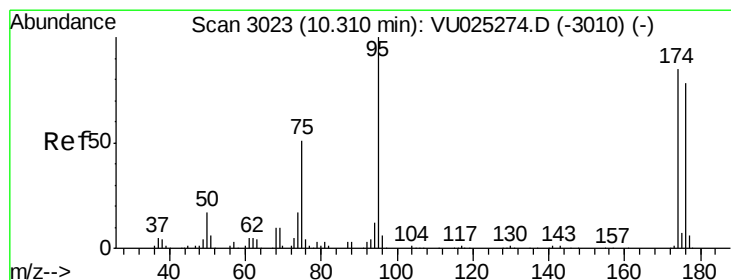
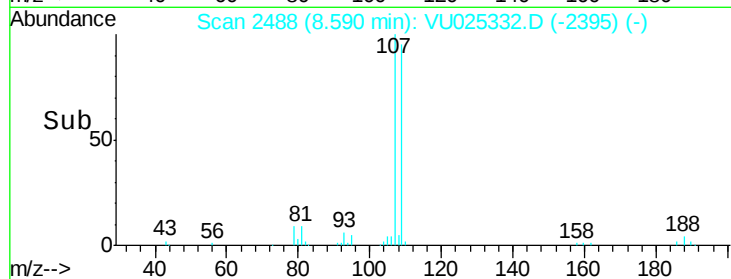
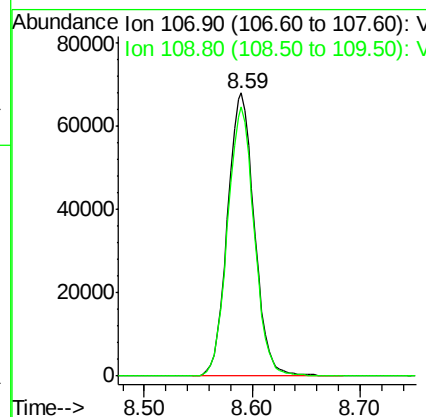
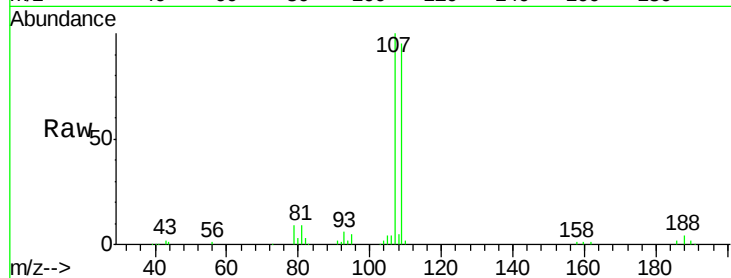
#61
 1,2-Dibromoethane
 Concen: 50.503 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.8	113.8

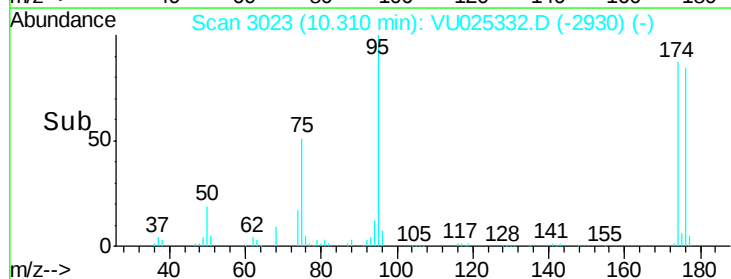
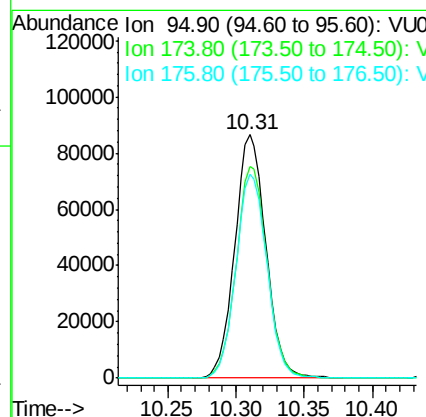
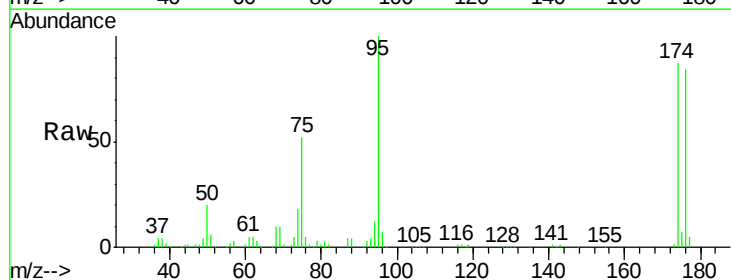
Manual Integrations
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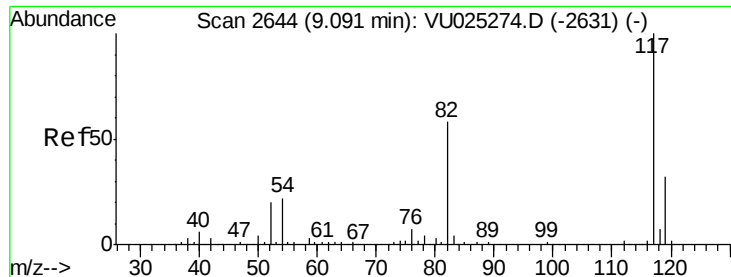
MMDadoda
 7/13/2018 11:44:08 AM



#62
 4-Bromofluorobenzene
 Concen: 45.949 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	172.2
176	83.7	0.0	162.6





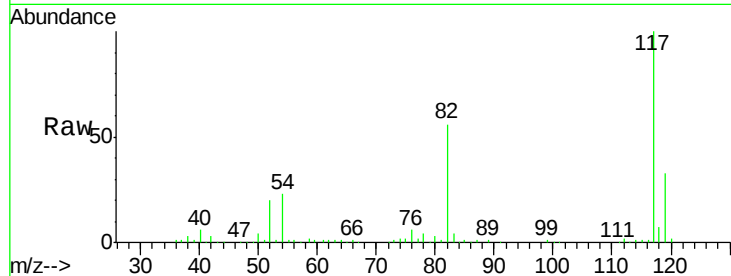
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	46.0	69.0
119	32.7	26.0	39.0

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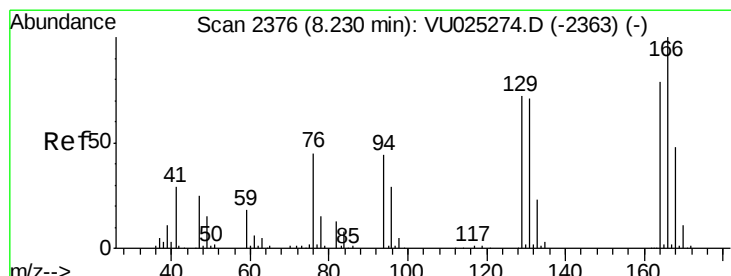
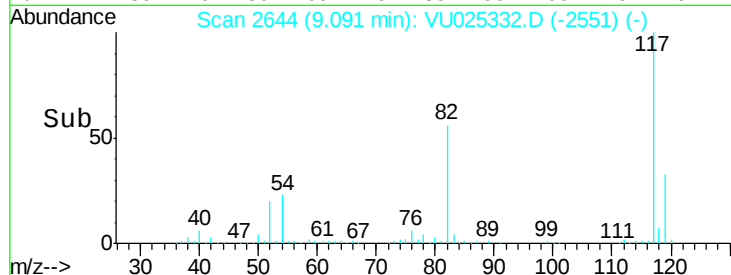
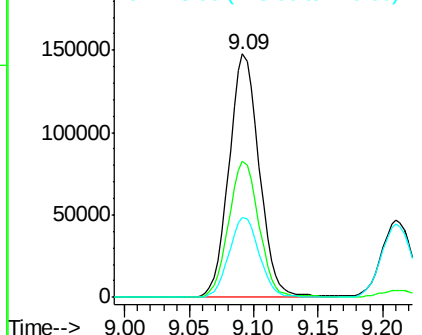


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.755 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	101.1	151.7
129	97.3	73.0	109.6
131	90.0	72.1	108.1

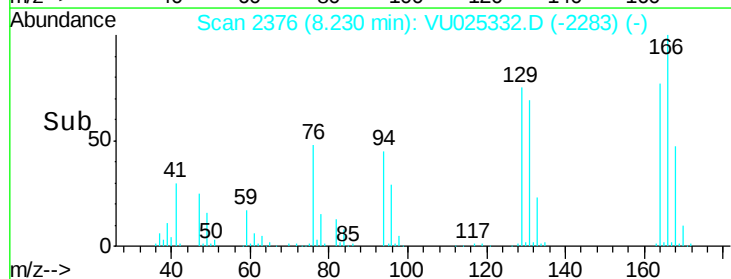
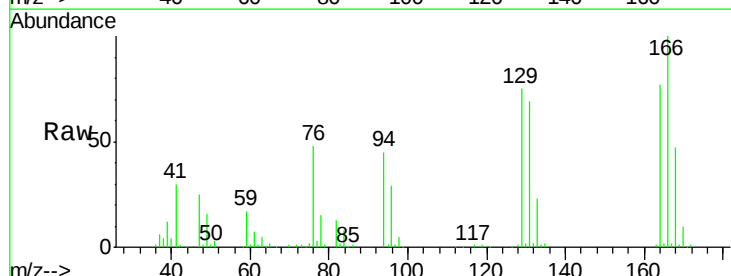
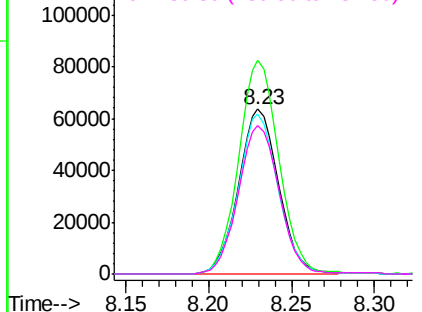
Abundance

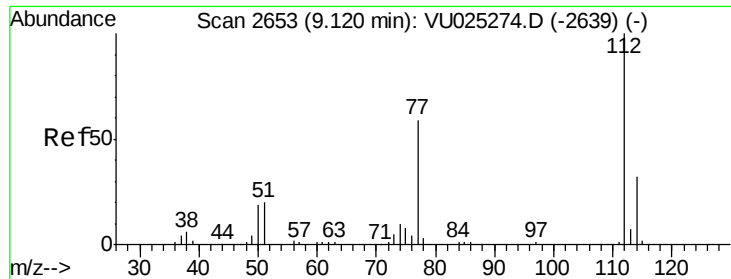
Ion 163.80 (163.50 to 164.50): V

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





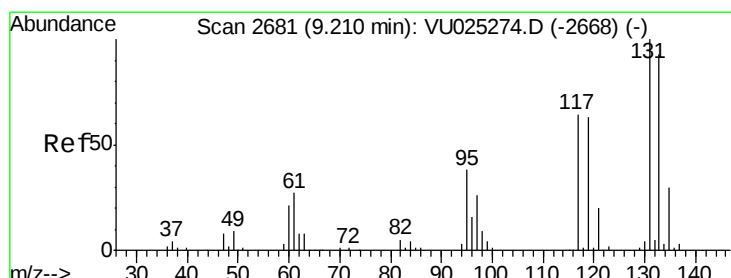
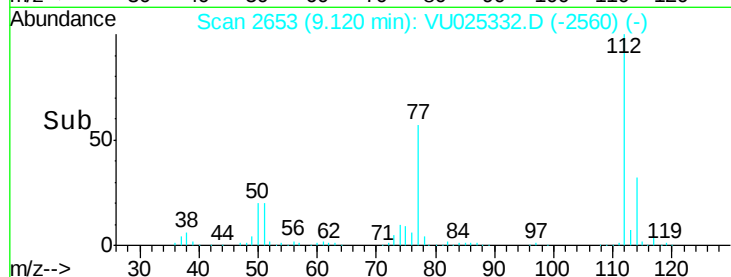
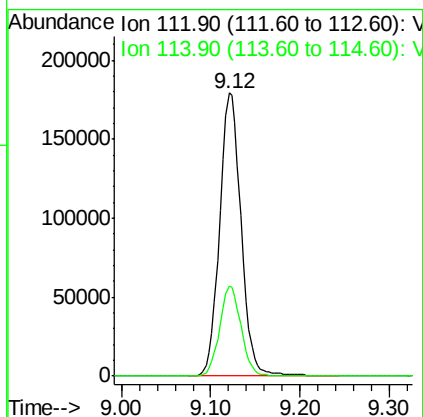
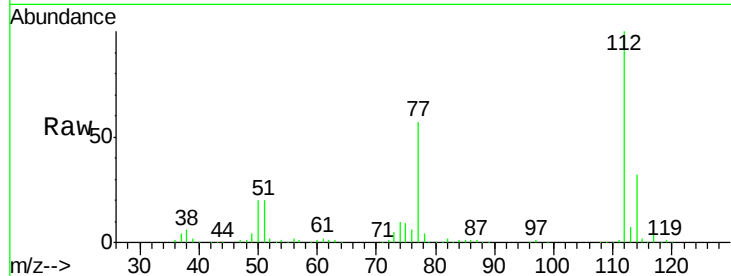
#65
Chlorobenzene
Concen: 49.658 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 299129
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

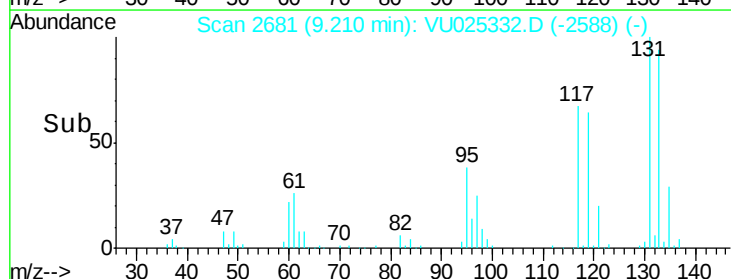
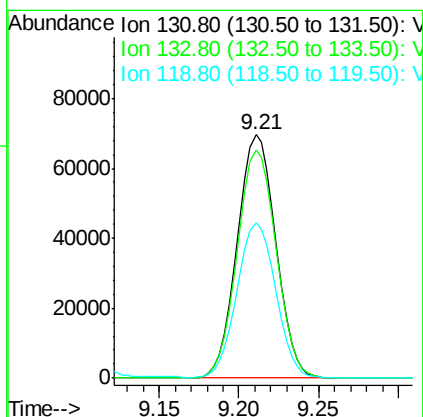
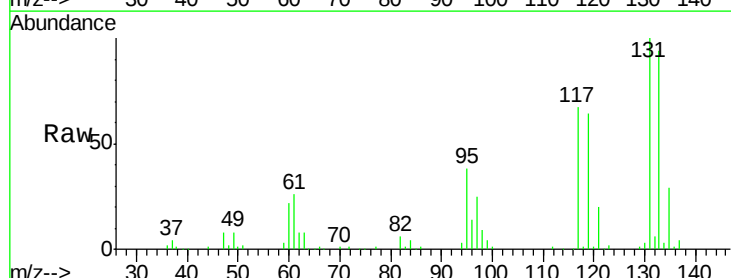
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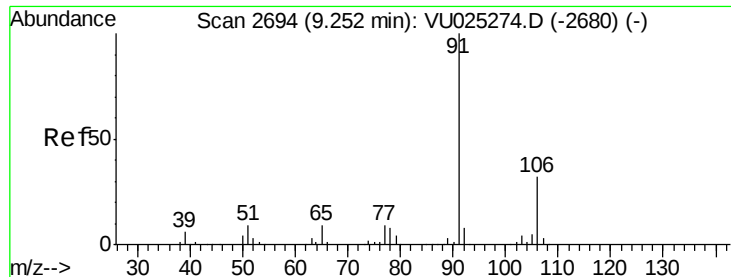
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.143 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion:131 Resp: 114511
Ion Ratio Lower Upper
131 100
133 94.7 47.8 143.3
119 64.3 31.6 95.0





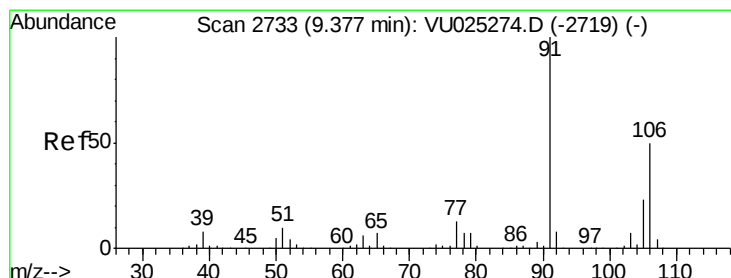
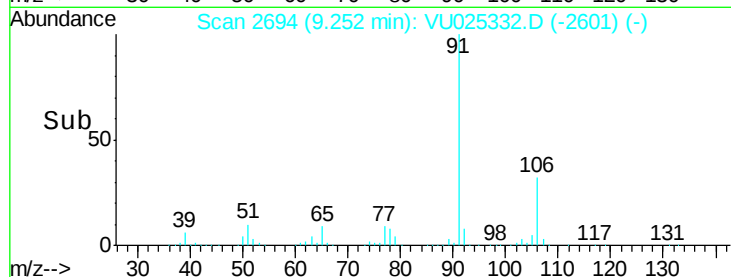
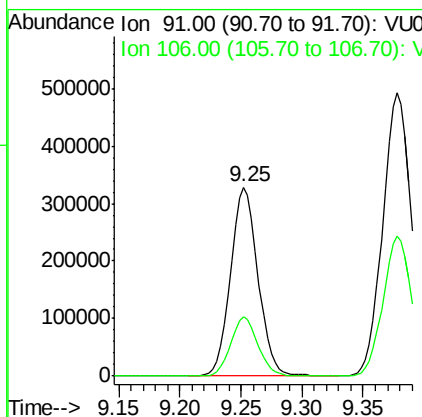
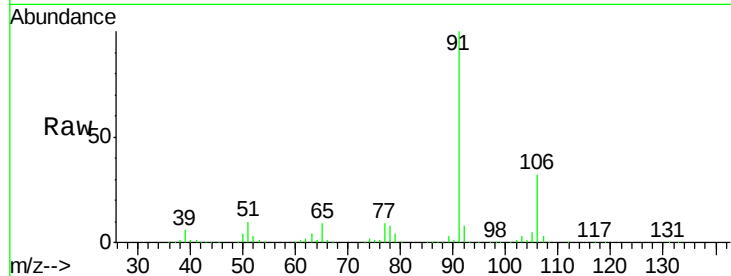
#67
Ethyl Benzene
Concen: 50.269 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 516243
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

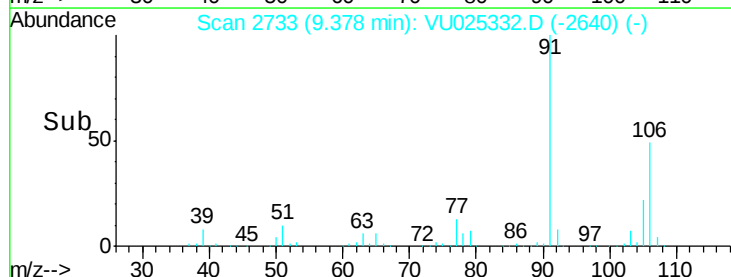
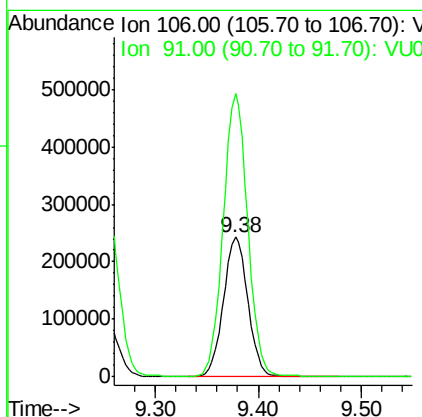
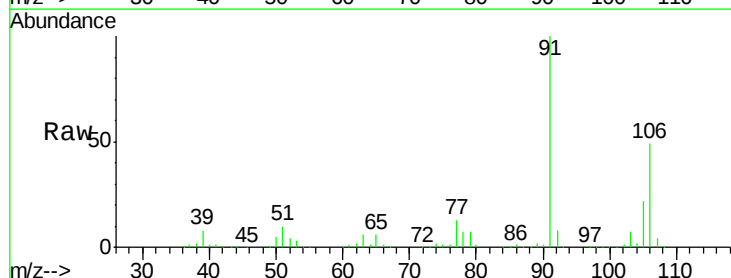
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#68
m/p-Xylenes
Concen: 101.318 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion: 106 Resp: 402270
Ion Ratio Lower Upper
106 100
91 203.0 162.3 243.5





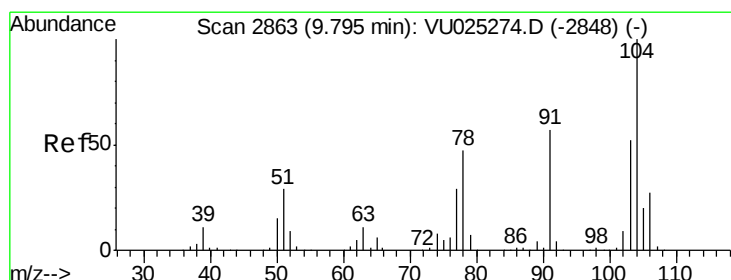
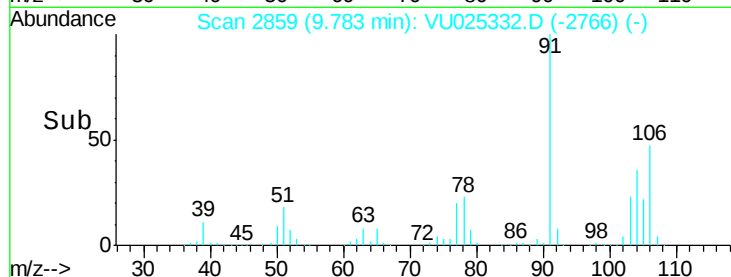
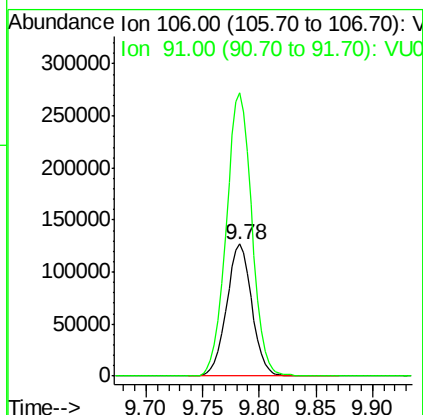
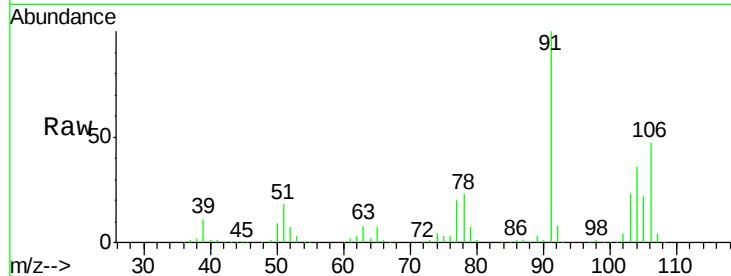
#69
o-Xylene
Concen: 49.711 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.4	105.3	315.8

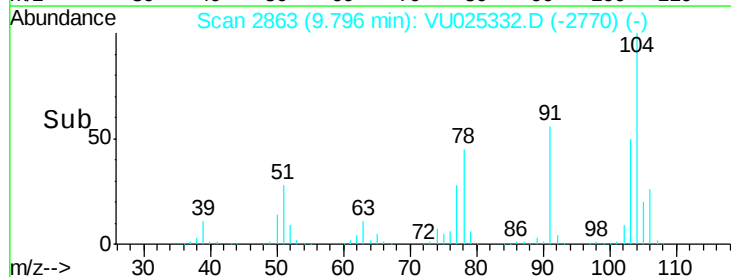
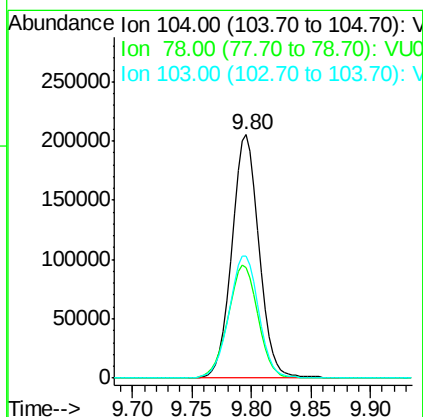
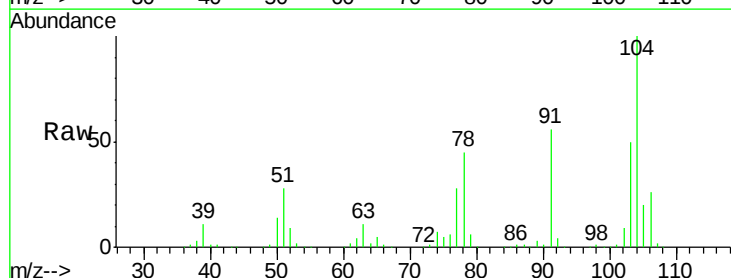
Manual Integrations
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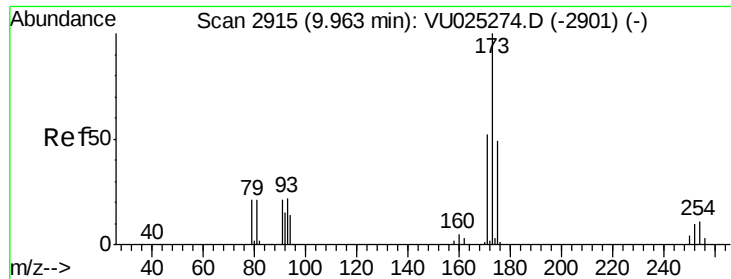
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#70
Styrene
Concen: 51.519 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.6	62.4
103	55.1	44.6	66.8





#71

Bromoform

Concen: 45.662 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 94209

Ion Ratio Lower Upper

173 100

175 49.6 24.0 72.0

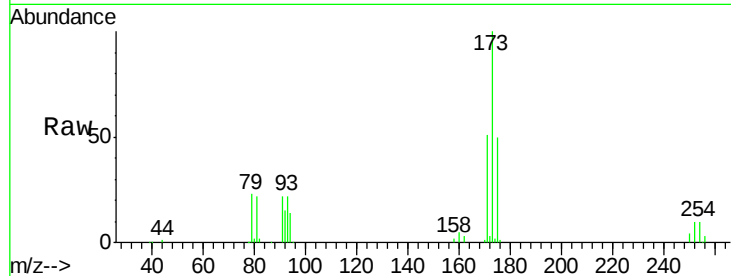
254 0.0 0.0 0.0#

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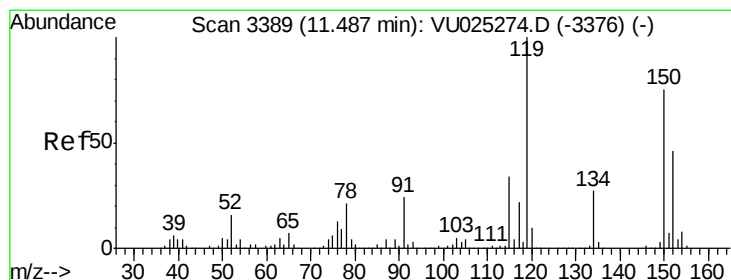
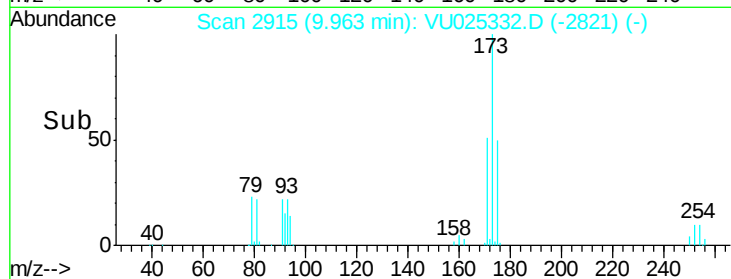
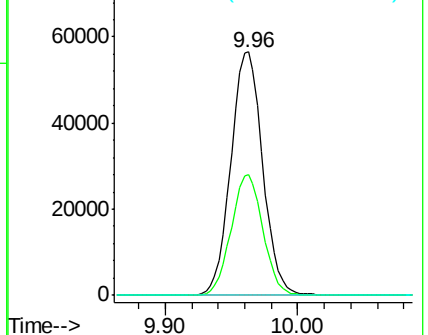
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

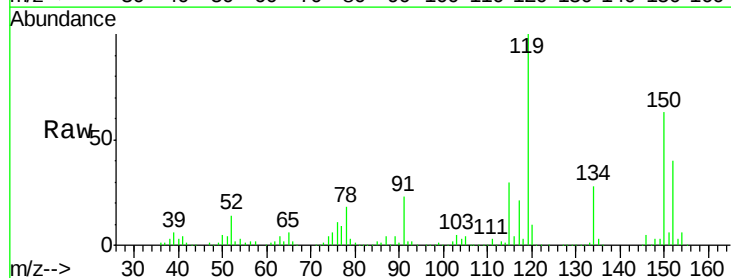
Tgt Ion:152 Resp: 147650

Ion Ratio Lower Upper

152 100

115 82.3 40.1 120.3

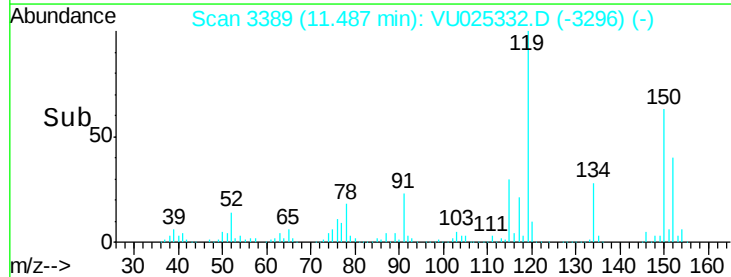
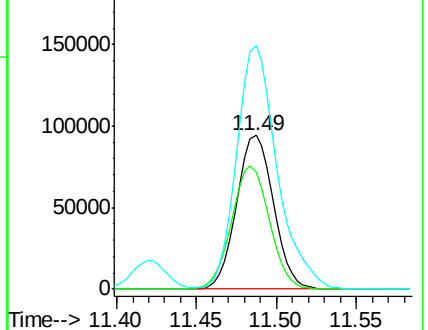
150 174.6 0.0 351.4



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: 48.082 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 542422

Ion Ratio Lower Upper

105 100

120 26.8

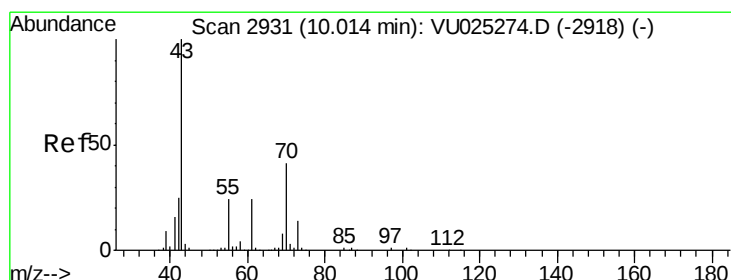
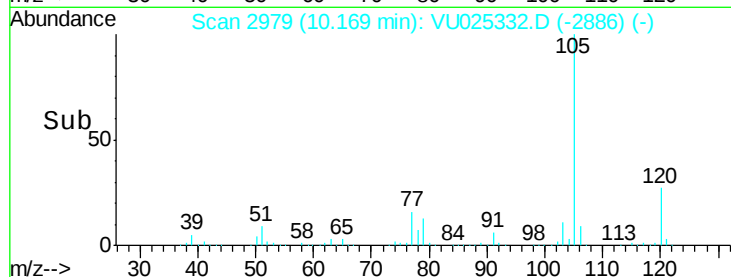
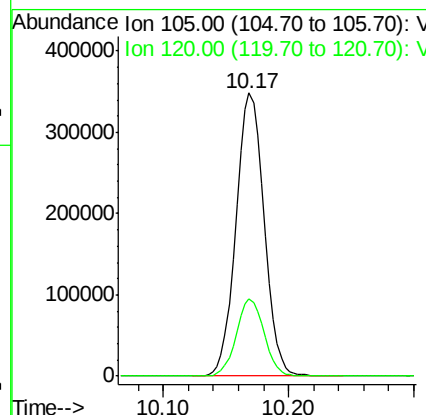
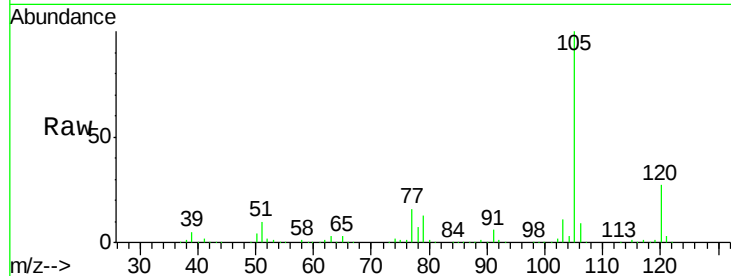
13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.598 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion: 43 Resp: 224234

Ion Ratio Lower Upper

43 100

70 41.0

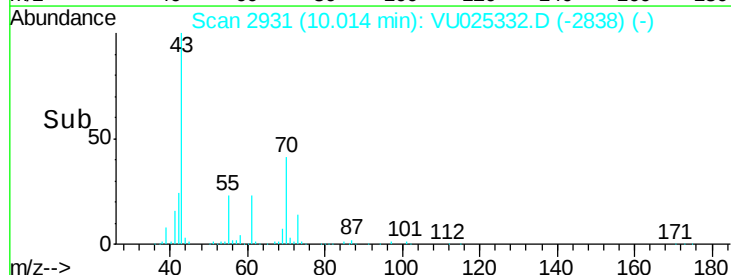
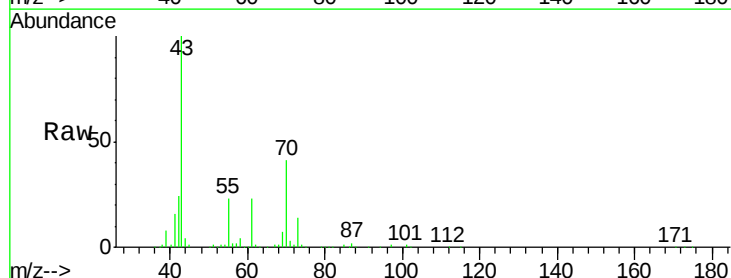
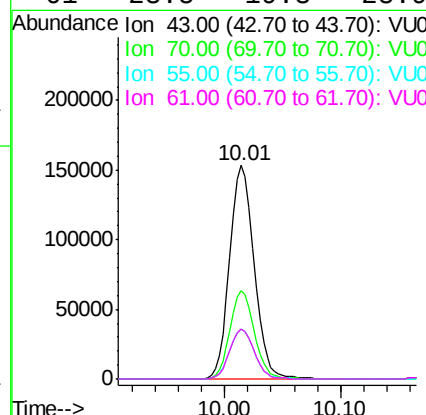
55 23.8

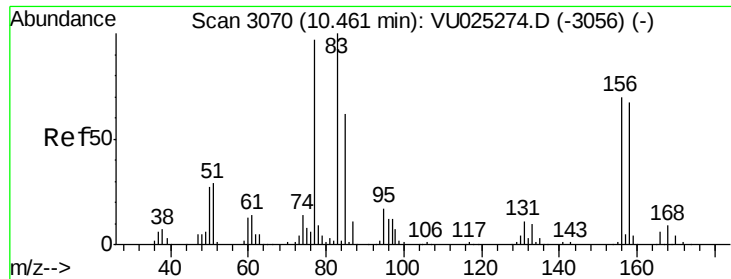
61 23.5

33.4 50.2

19.0 28.6

19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.752 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

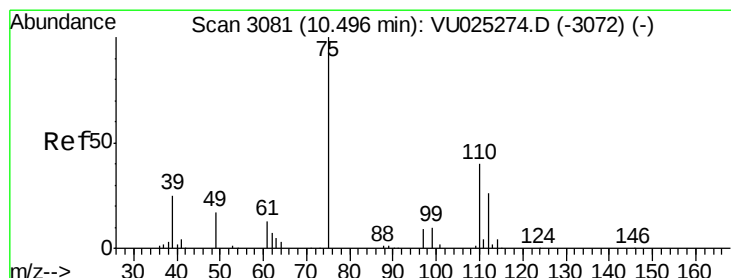
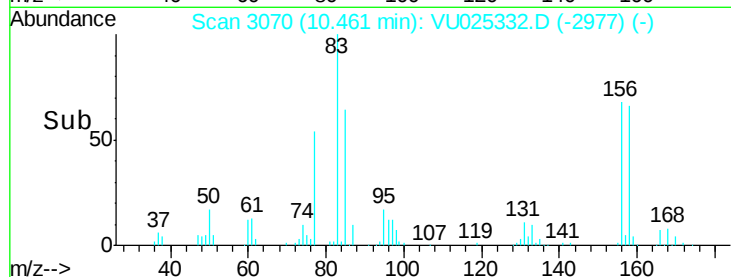
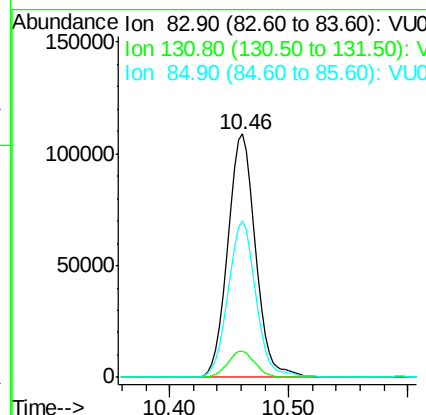
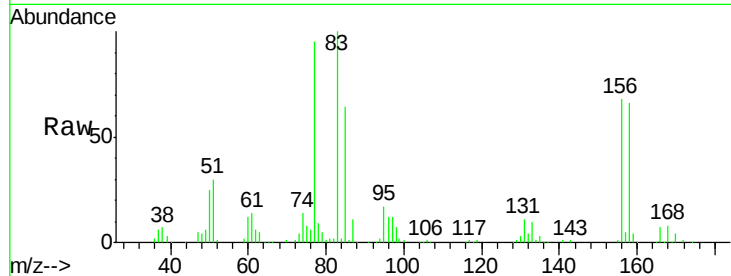
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176244
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.3	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 49.994 ug/l m

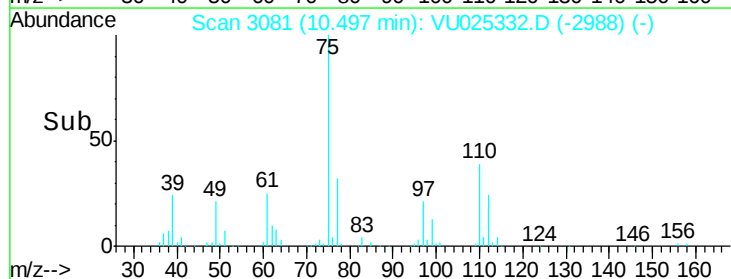
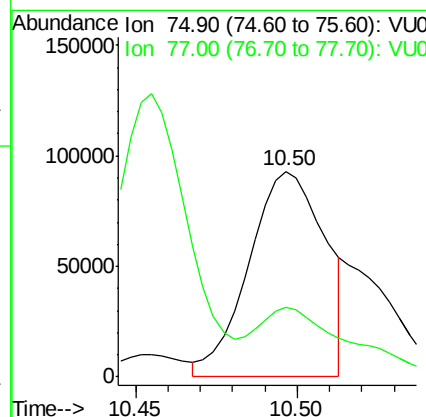
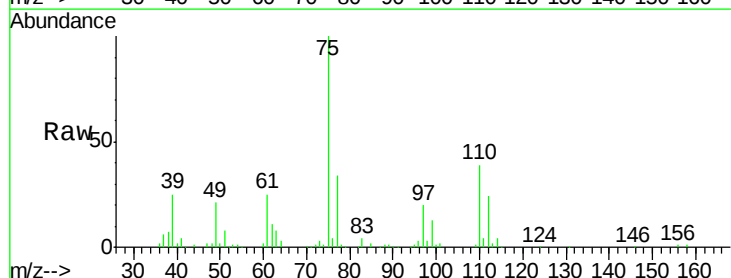
RT: 10.50 min Scan# 3081

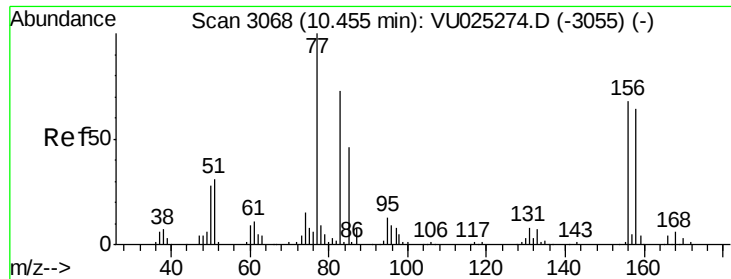
Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	75	Resp:	152436
Ion Ratio	Lower	Upper	
75	100		
77	42.9	20.4	61.3





#77

Bromobenzene

Concen: 47.653 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

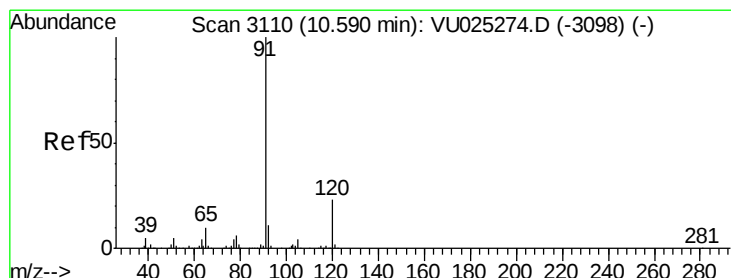
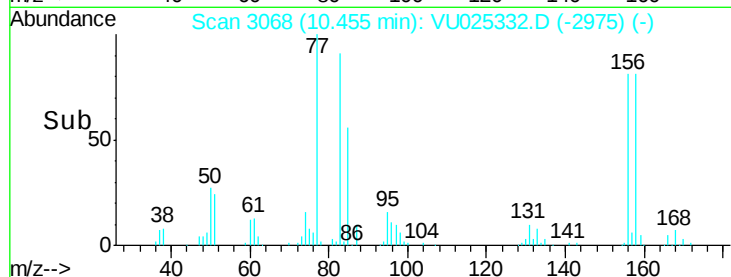
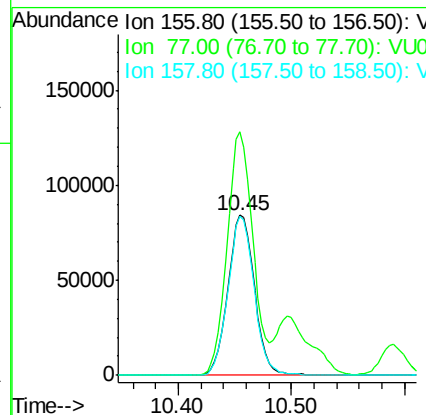
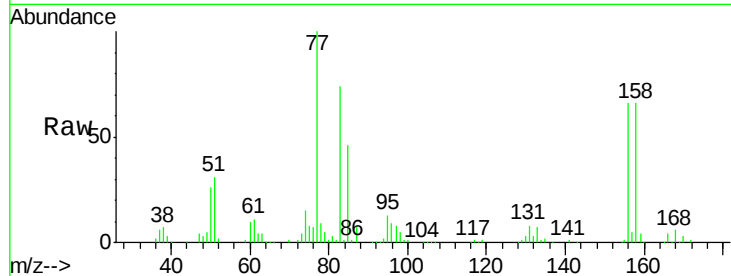
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	148.2	73.8	221.4
158	97.7	48.0	144.0

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#78

n-propylbenzene

Concen: 49.215 ug/l

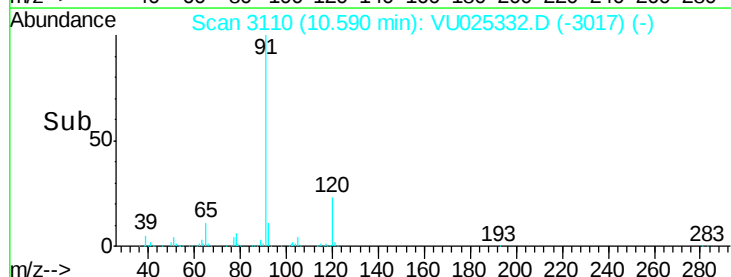
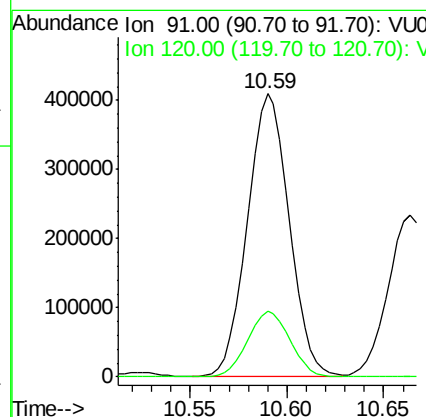
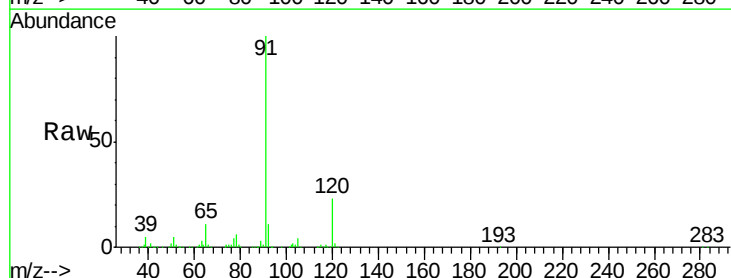
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.8	35.3





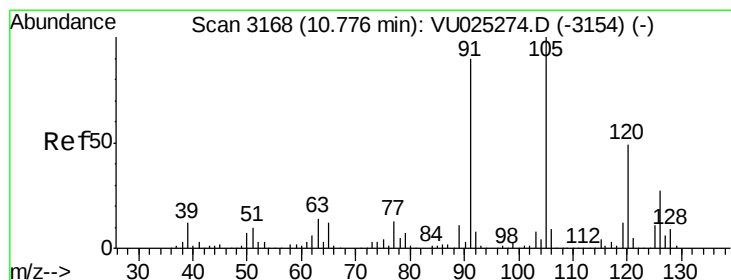
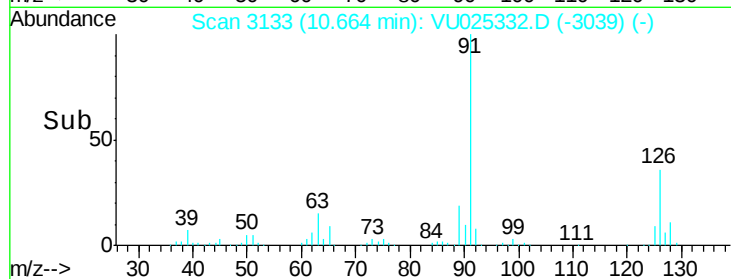
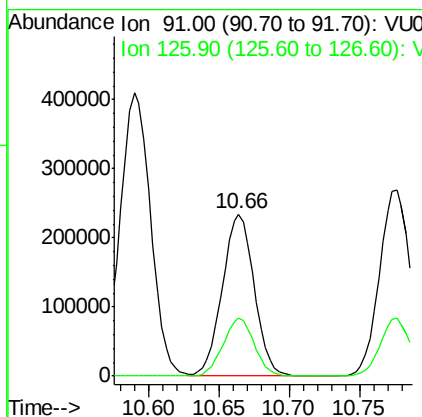
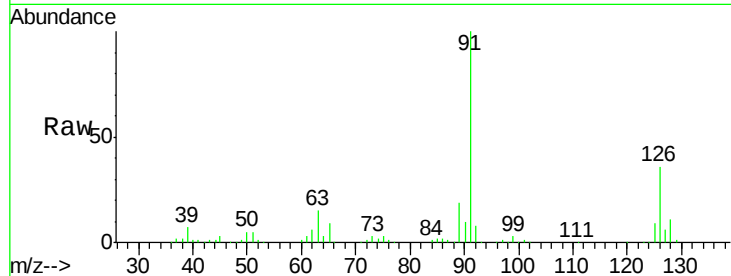
#79
 2-Chlorotoluene
 Concen: 51.348 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 369108
 Ion Ratio Lower Upper
 91 100
 126 35.1 17.5 52.6

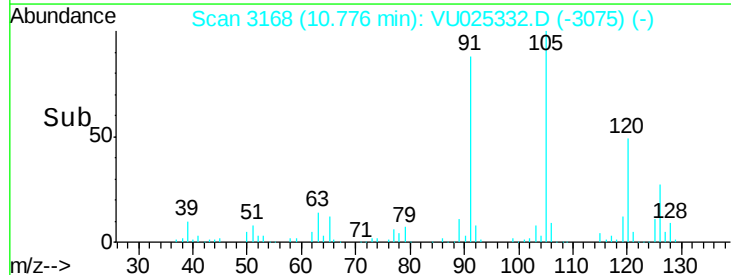
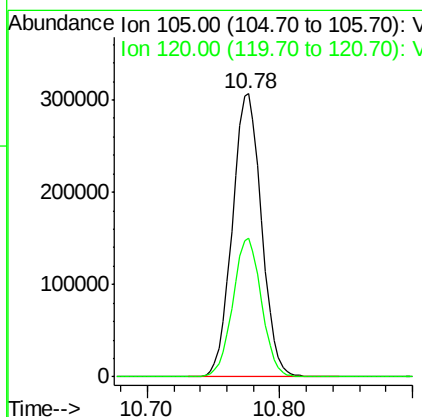
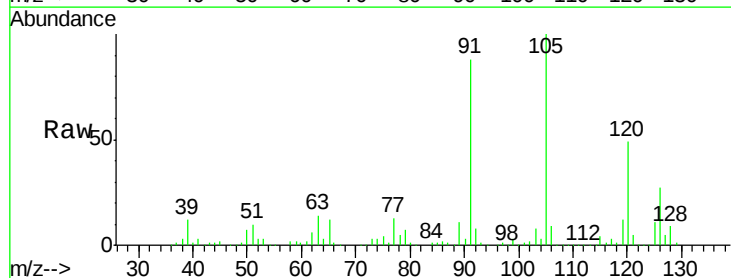
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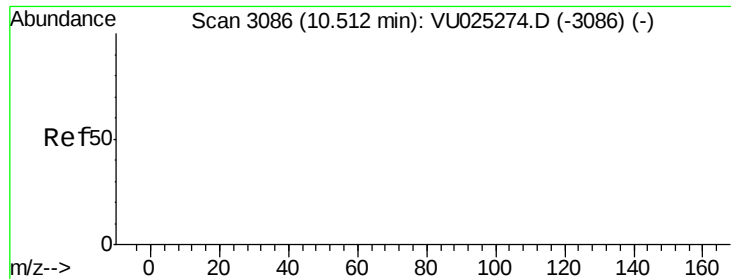
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.301 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion: 105 Resp: 468002
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.2





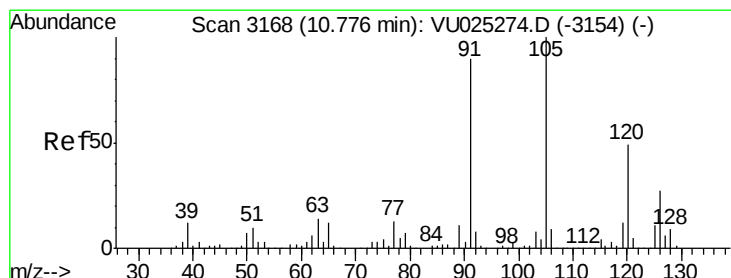
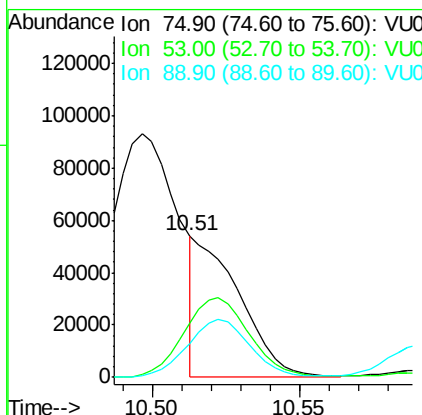
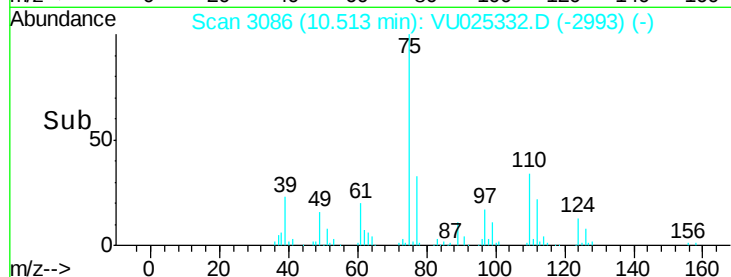
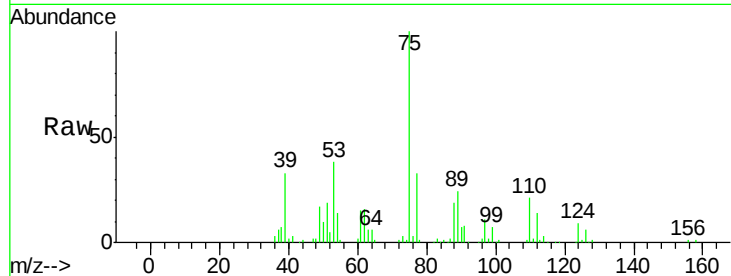
#81
trans-1,4-Dichloro-2-butene
Concen: 48.239 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

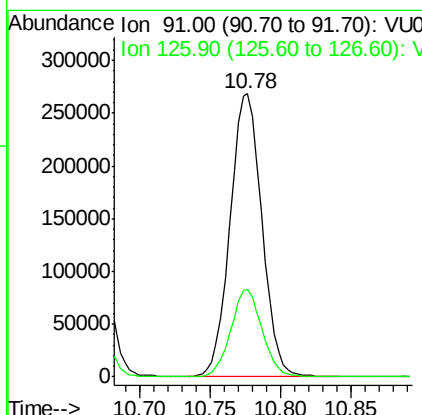
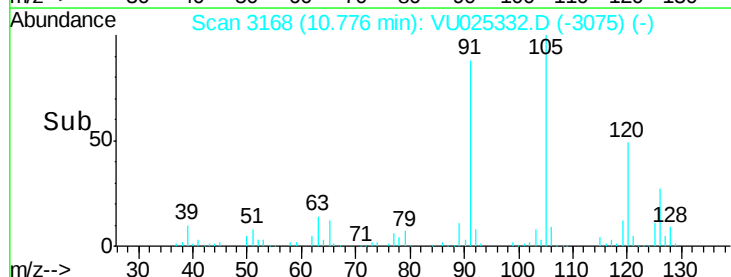
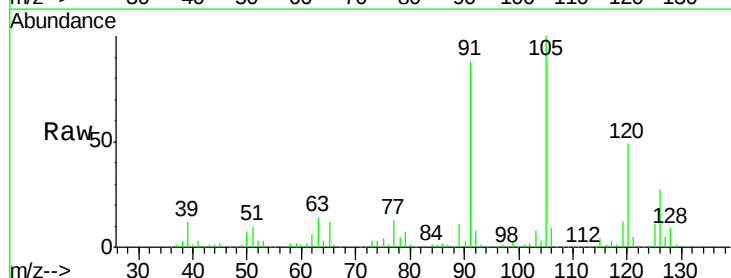
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#82
4-Chlorotoluene
Concen: 47.725 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





#83

tert-Butylbenzene

Concen: 48.821 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

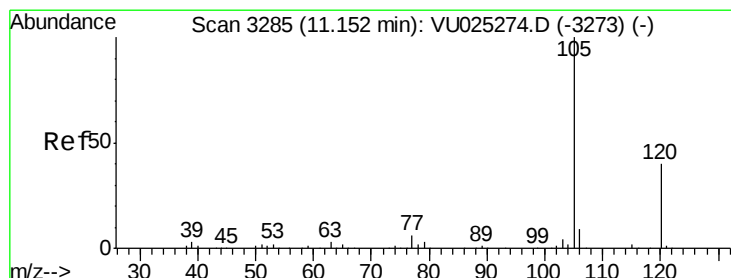
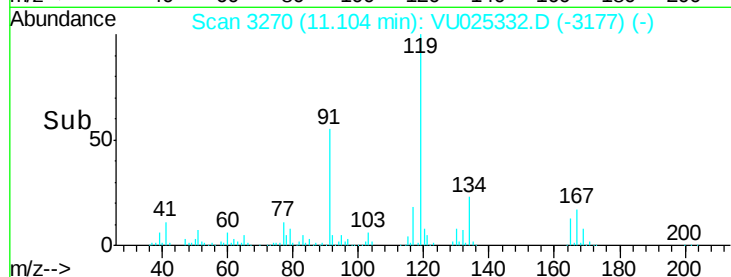
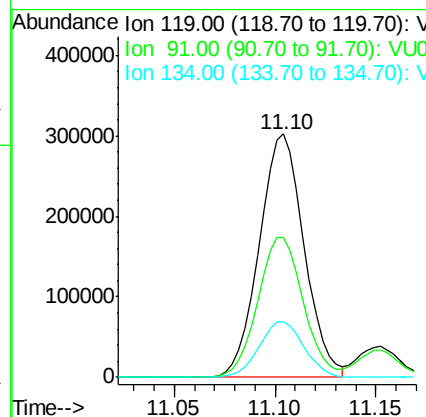
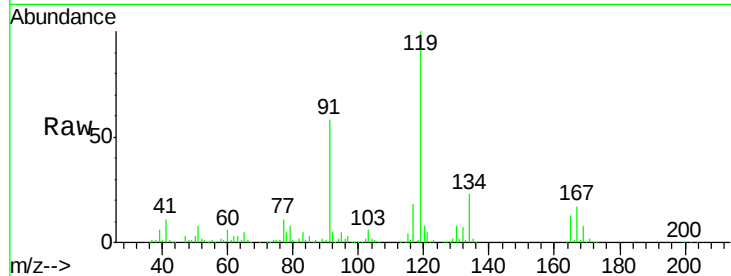
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	468317
Ion Ratio	Lower	Upper	
119	100		
91	58.5	29.7	89.1
134	23.0	11.5	34.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 49.029 ug/l

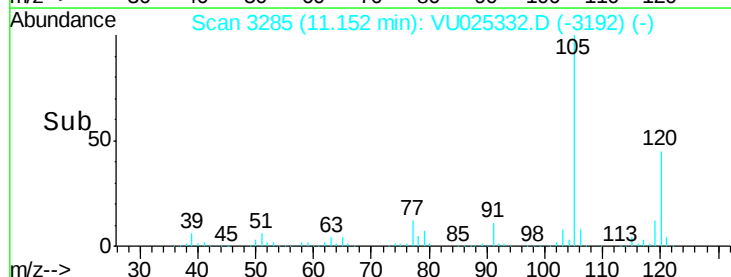
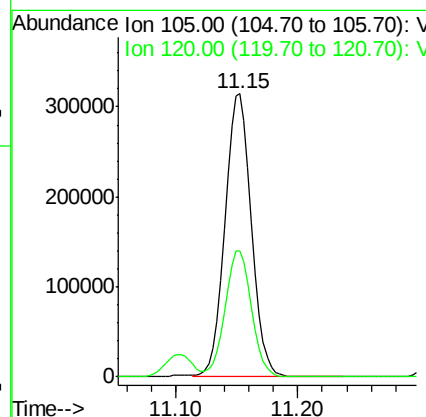
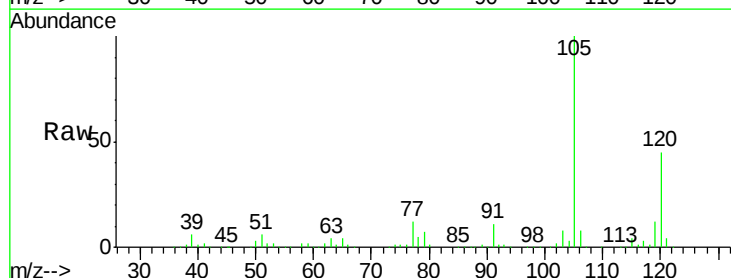
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	105	Resp:	476989
Ion Ratio	Lower	Upper	
105	100		
120	44.6	22.3	66.8





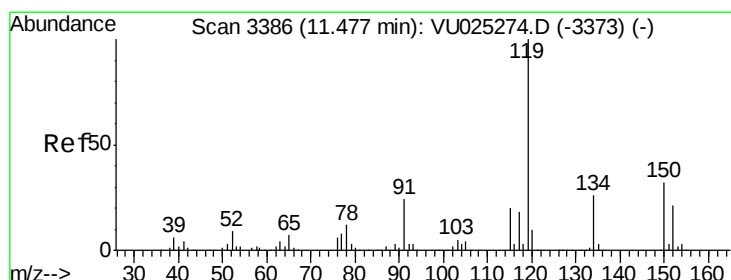
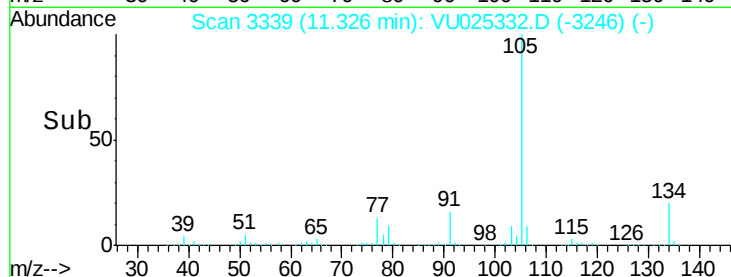
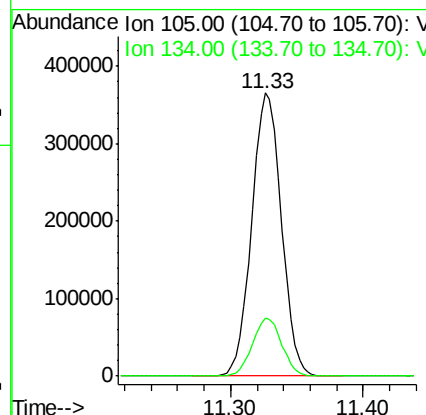
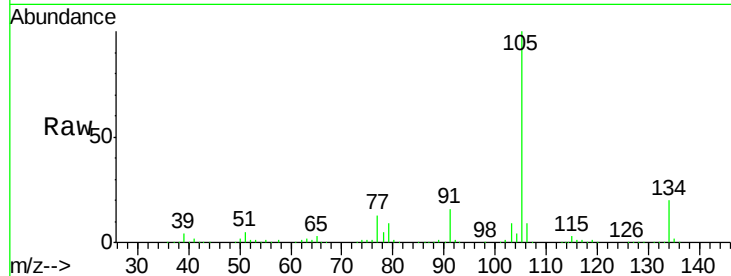
#85
 sec-Butylbenzene
 Concen: 50.093 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.3	30.8

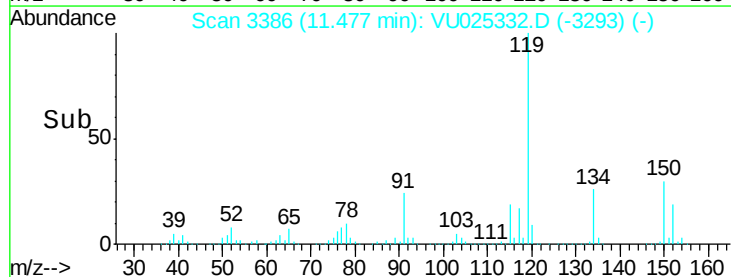
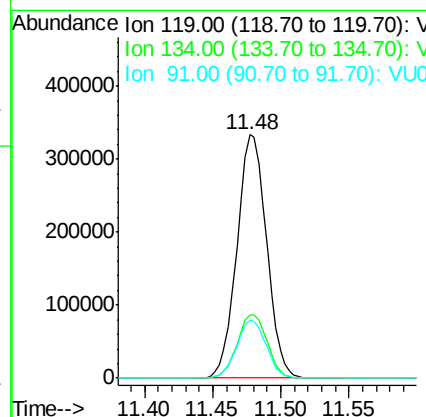
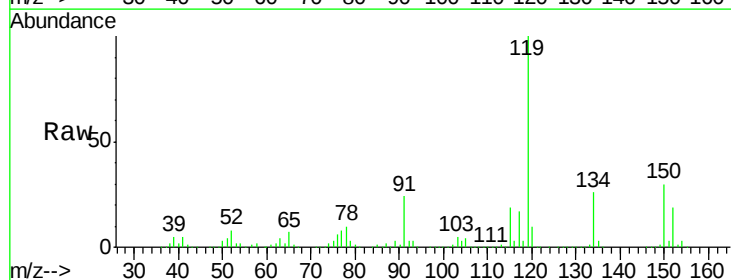
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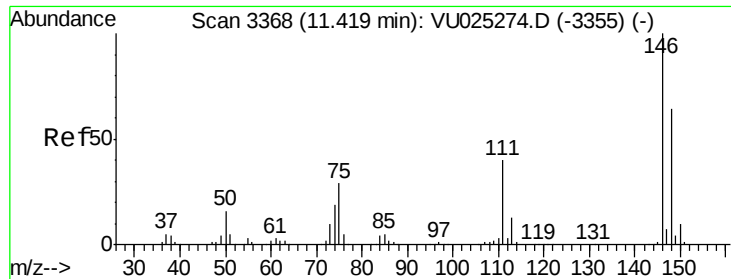
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#86
 p-Isopropyltoluene
 Concen: 50.288 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.5
91	23.8	12.0	36.1





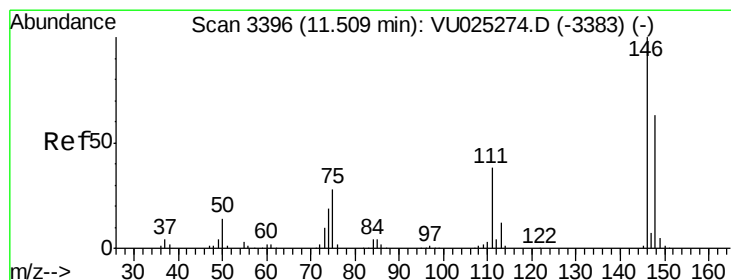
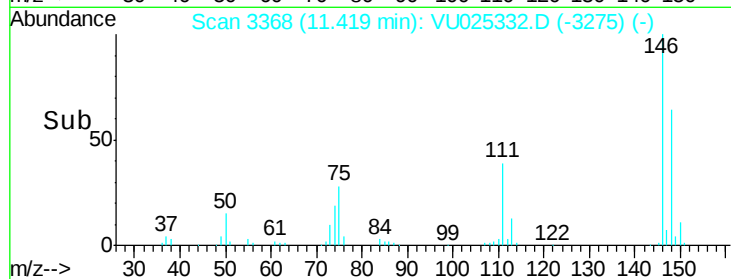
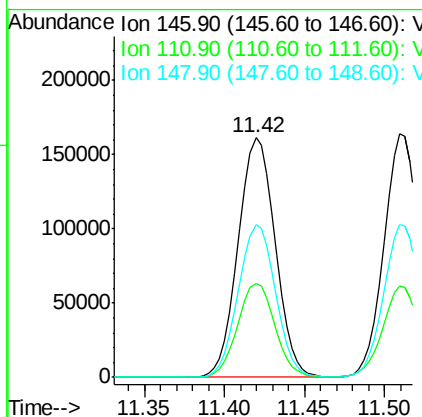
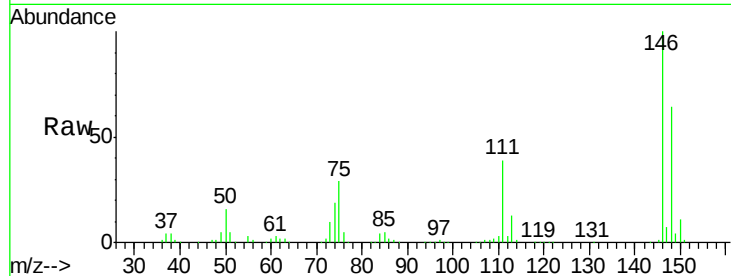
#87
 1,3-Dichlorobenzene
 Concen: 48.365 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.1
148	64.1	32.1	96.3

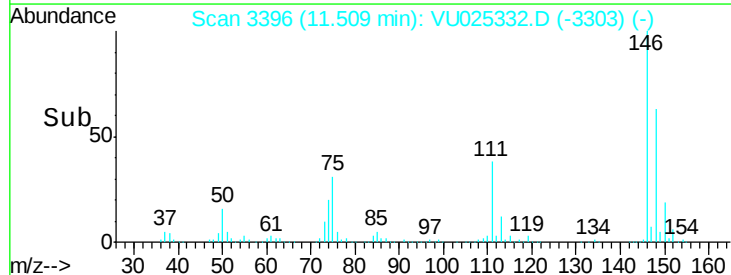
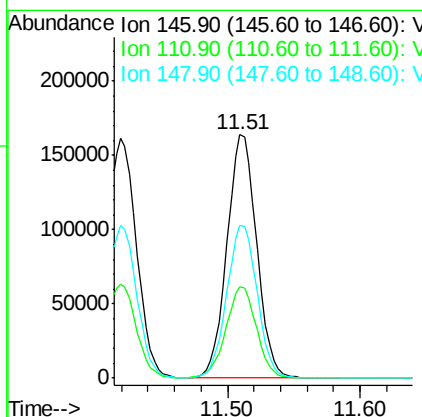
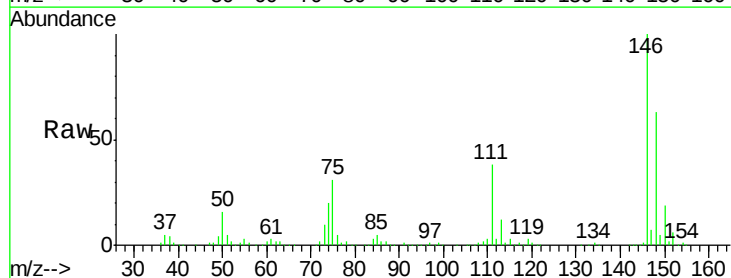
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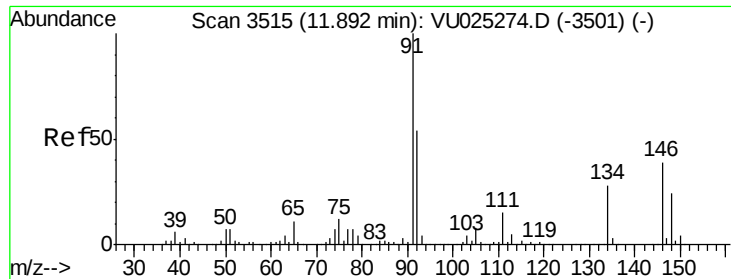
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#88
 1,4-Dichlorobenzene
 Concen: 49.507 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.2	31.7	95.1





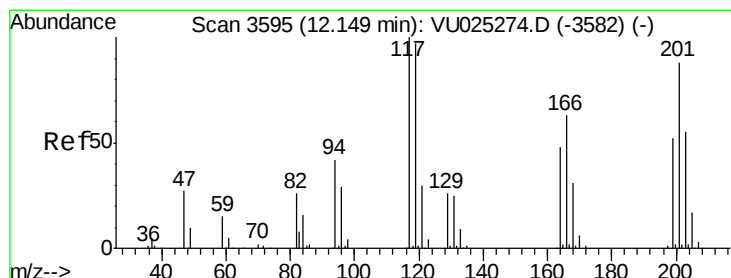
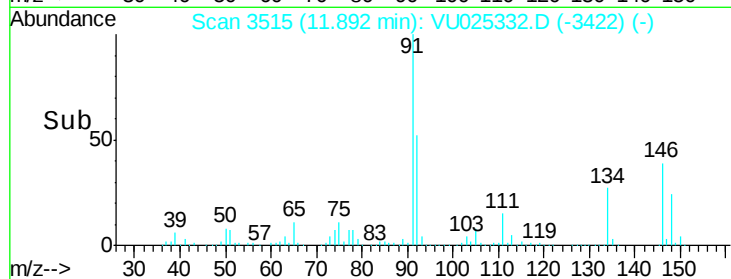
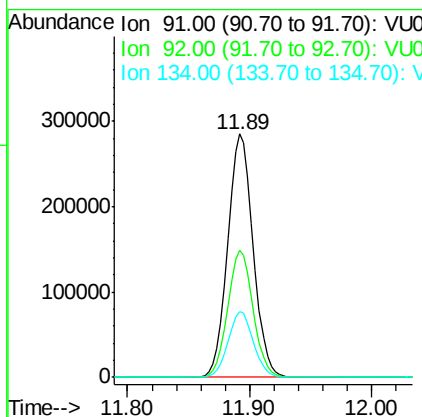
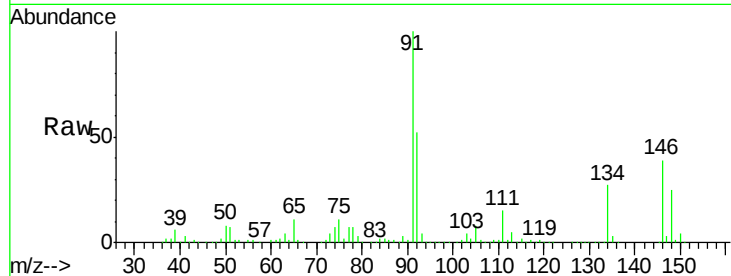
#89
n-Butylbenzene
Concen: 50.644 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.5	79.5
134	26.8	13.6	40.7

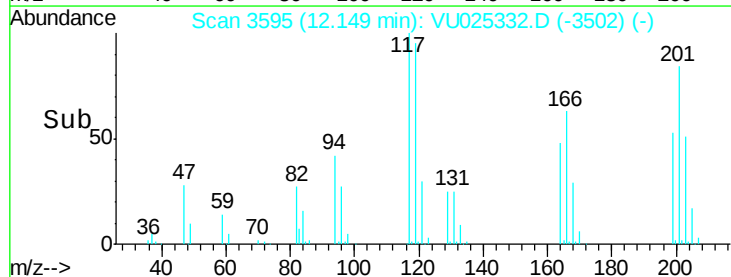
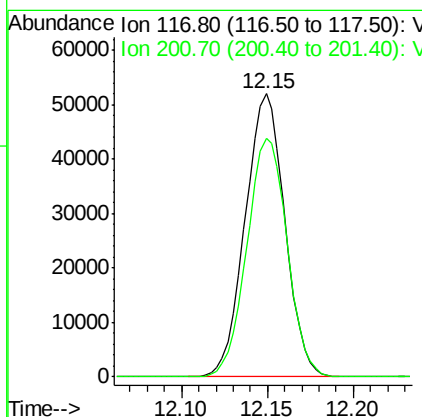
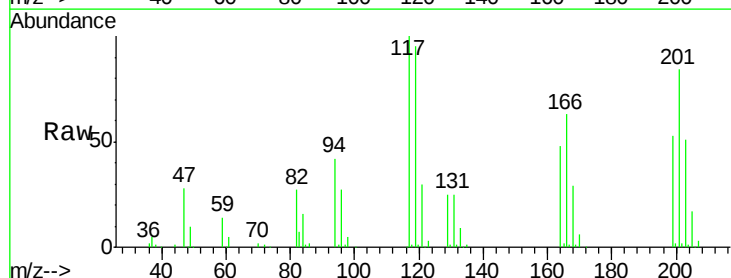
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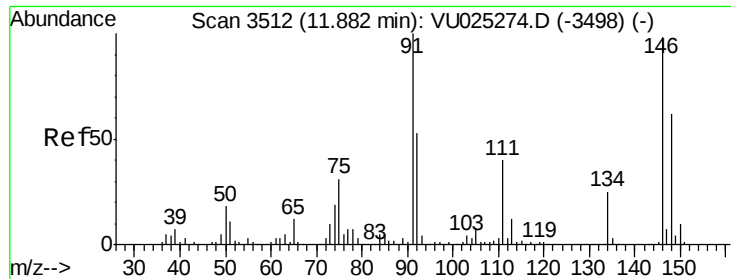
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#90
Hexachloroethane
Concen: 49.156 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025332.D
Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 49.363 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

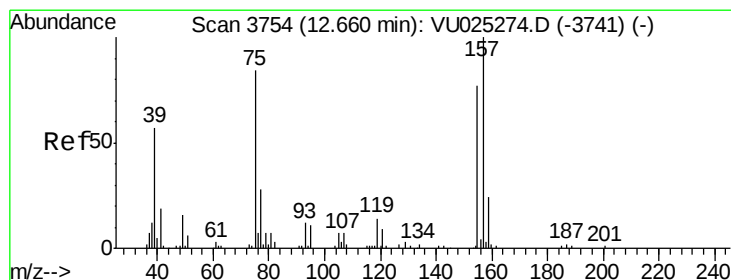
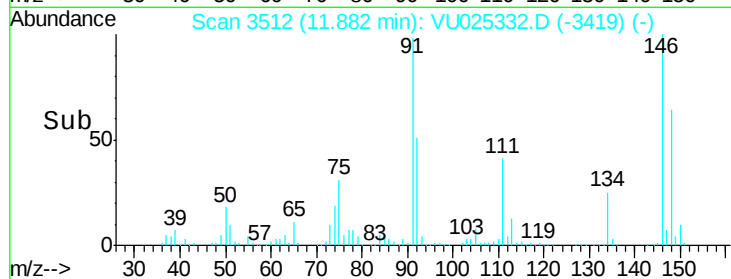
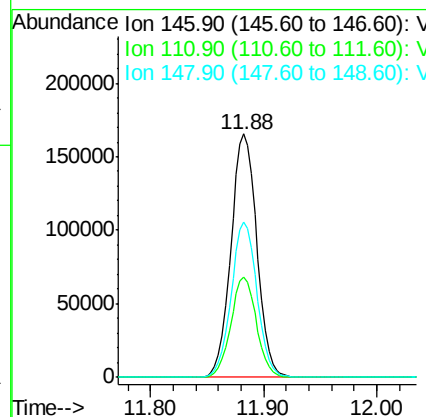
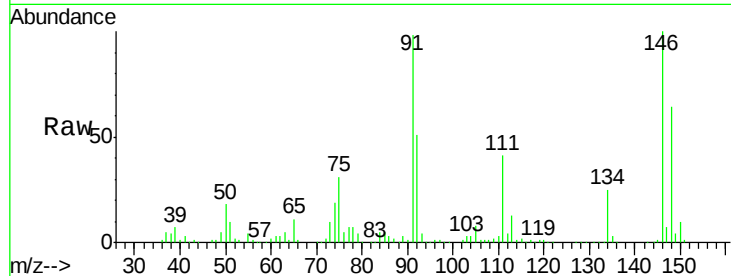
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	262951
Ion Ratio	Lower	Upper	
146	100		
111	40.7	20.6	61.8
148	63.7	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.414 ug/l

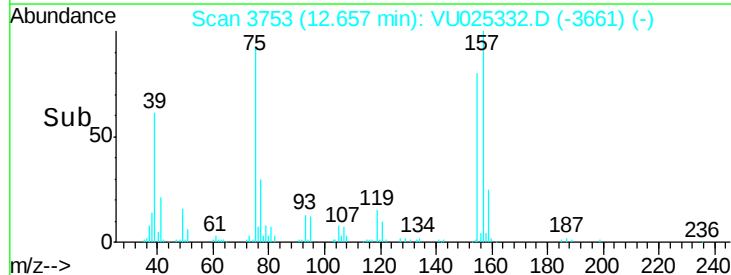
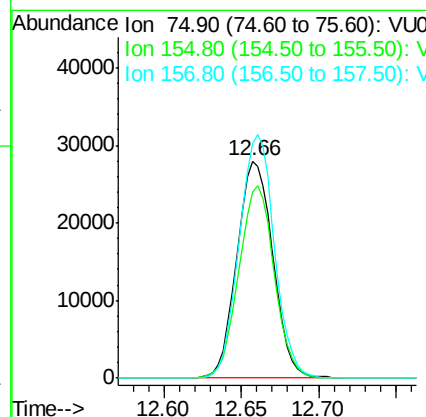
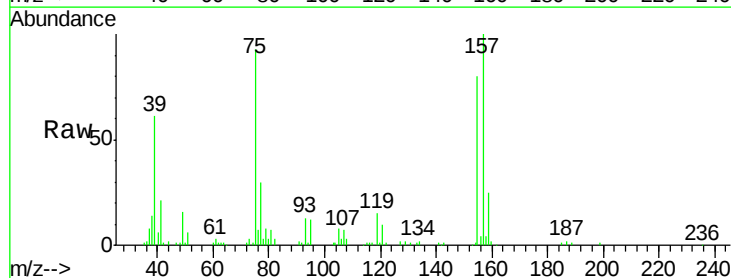
RT: 12.66 min Scan# 3753

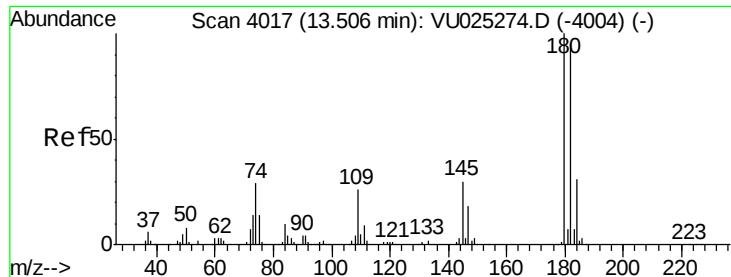
Delta R.T. -0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	75	Resp:	45129
Ion Ratio	Lower	Upper	
75	100		
155	87.2	44.5	133.3
157	109.8	57.0	170.8





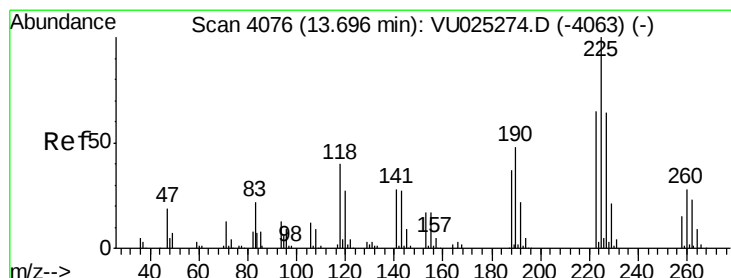
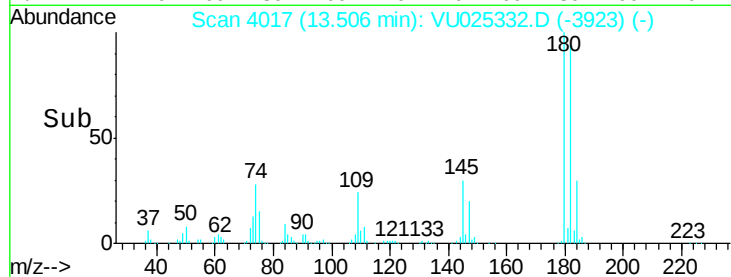
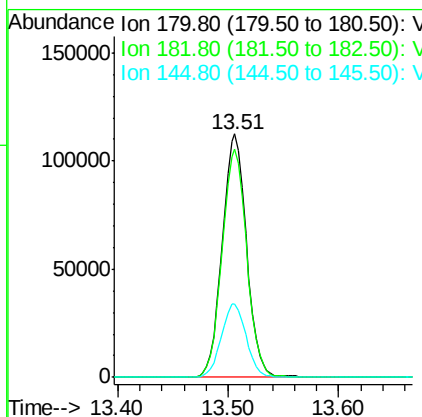
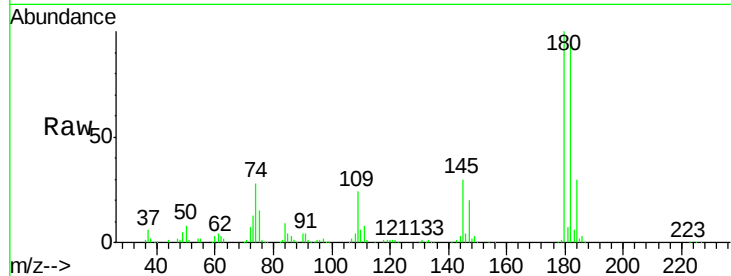
#93
 1,2,4-Trichlorobenzene
 Concen: 48.309 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	171896		
182	95.1	47.3	141.9	
145	30.9	14.9	44.7	

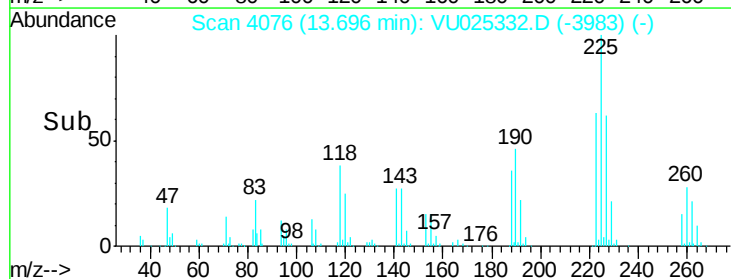
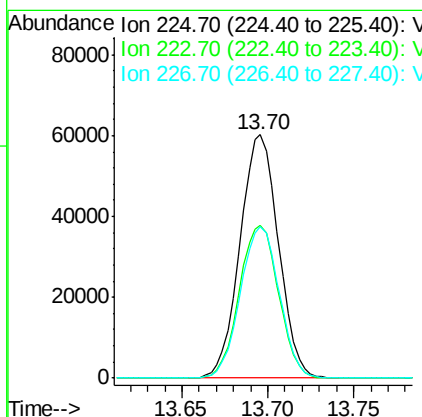
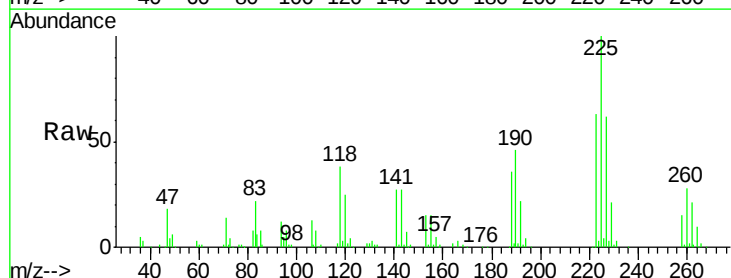
Manual Integrations
 APPROVED

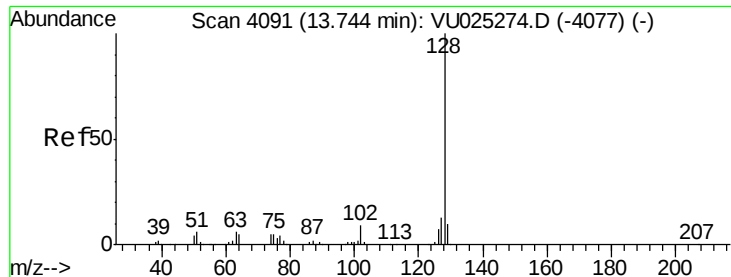
MMDadoda
 7/13/2018 11:44:08 AM



#94
 Hexachlorobutadiene
 Concen: 49.180 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025332.D
 Acq: 12 Jul 2018 11:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93696		
223	64.2	31.9	95.7	
227	63.0	32.3	96.9	





#95

Naphthalene

Concen: 49.421 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Instrument :

MSVOA_U

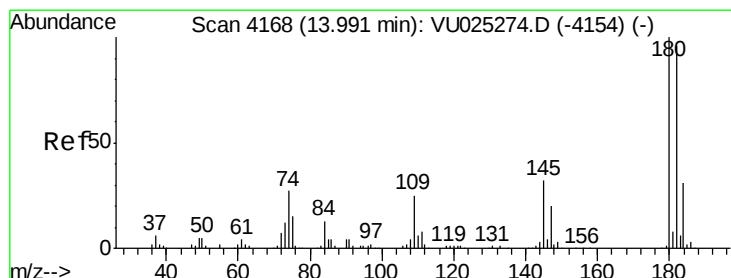
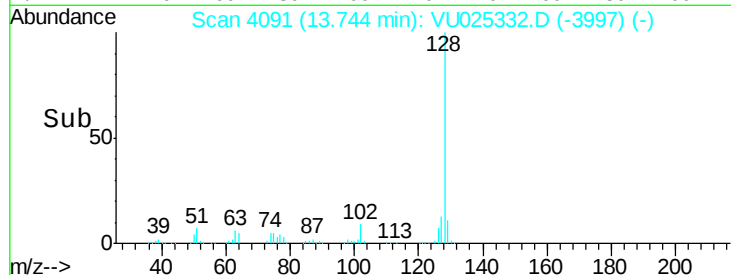
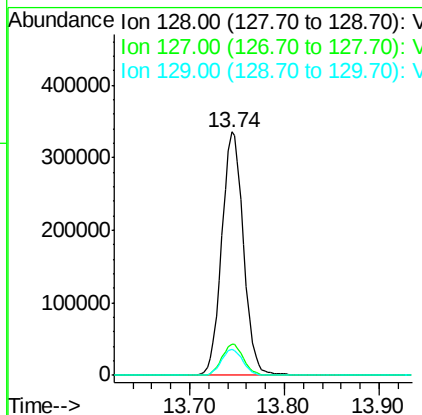
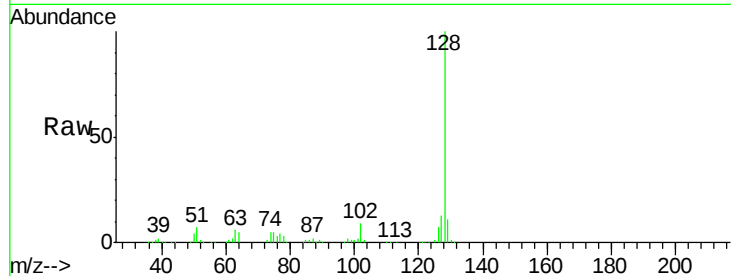
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	535451
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/13/2018 11:44:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.760 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU025332.D

Acq: 12 Jul 2018 11:36

Tgt Ion:	180	Resp:	180166
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.3
145	31.4	15.6	46.8

