

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070918\
 Data File : VU025274.D
 Acq On : 09 Jul 2018 15:22
 Operator : MD/SY
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/10/2018 2:33:17 PM

Quant Time: Jul 10 01:43:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 01:16:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	263621	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	250450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149713	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	133360	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	4.89	113	108114	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	7.57	98	369796	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	
62) 4-Bromofluorobenzene	10.31	95	152276	49.67	ug/l	0.00
Spiked Amount			Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	79159	43.08	ug/l	100
3) Chloromethane	1.33	50	81182	39.04	ug/l	100
4) Vinyl Chloride	1.40	62	86663	42.92	ug/l	100
5) Bromomethane	1.62	94	53330	36.15	ug/l	100
6) Chloroethane	1.69	64	57057	40.55	ug/l	100
7) Trichlorofluoromethane	1.89	101	137422	43.31	ug/l	100
8) Diethyl Ether	2.10	74	51440	43.20	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	84141	42.79	ug/l	100
10) Methyl Iodide	2.41	142	89775	47.24	ug/l	100
11) Tert butyl alcohol	2.82	59	128854	190.58	ug/l	100
12) 1,1-Dichloroethene	2.28	96	75382	41.88	ug/l	100
13) Acrolein	2.19	56	109858	261.65	ug/l	100
14) Allyl chloride	2.59	41	131416	40.26	ug/l	100
15) Acrylonitrile	2.93	53	262603	212.26	ug/l	100
16) Acetone	2.32	43	286179	192.13	ug/l	100
17) Carbon Disulfide	2.48	76	222610	39.93	ug/l	100
18) Methyl Acetate	2.62	43	120455	42.65	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	294766	43.06	ug/l	100
20) Methylene Chloride	2.70	84	91836	37.52	ug/l	100
21) trans-1,2-Dichloroethene	2.99	96	86190	41.91	ug/l	100
22) Diisopropyl ether	3.57	45	287507	43.13	ug/l	100
23) Vinyl Acetate	3.53	43	1280762	219.03	ug/l	100
24) 1,1-Dichloroethane	3.45	63	166266	44.23	ug/l	100
25) 2-Butanone	4.26	43	401026	209.75	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148044	40.96	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	100530	42.25	ug/l	100
28) Bromochloromethane	4.55	49	91170	50.22	ug/l	100
29) Tetrahydrofuran	4.63	42	244262	212.99	ug/l	100
30) Chloroform	4.68	83	176227	44.27	ug/l	100
31) Cyclohexane	5.00	56	149760	35.86	ug/l	100
32) 1,1,1-Trichloroethane	4.92	97	159871	44.31	ug/l	100
36) 1,1-Dichloropropene	5.14	75	126678	43.22	ug/l	100
37) Ethyl Acetate	4.38	43	143335	43.85	ug/l	100
38) Carbon Tetrachloride	5.14	117	141903	44.98	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	158986	43.49	ug/l	100
40) Benzene	5.39	78	360116	42.64	ug/l	100
41) Methacrylonitrile	4.54	41	78729	43.44	ug/l	100
42) 1,2-Dichloroethane	5.41	62	146955	43.77	ug/l	100
43) Isopropyl Acetate	5.55	43	226087	43.19	ug/l	100
44) Trichloroethene	6.19	130	101947	42.04	ug/l	100
45) 1,2-Dichloropropane	6.44	63	96617	43.68	ug/l	100
46) Dibromomethane	6.56	93	69922	43.43	ug/l	100
47) Bromodichloromethane	6.76	83	134697	45.04	ug/l	100
48) Methyl methacrylate	6.62	41	114982	44.07	ug/l	100
49) 1,4-Dioxane	6.61	88	54370	865.95	ug/l	100
51) 4-Methyl-2-Pentanone	7.46	43	724282	212.90	ug/l	100
52) Toluene	7.64	92	234119	43.57	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	145560	44.30	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	151572	43.34	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	95957	42.88	ug/l	100
56) Ethyl methacrylate	8.02	69	151898	43.46	ug/l	100
57) 1,3-Dichloropropane	8.25	76	162142	43.64	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	349216	283.13	ug/l	100
59) 2-Hexanone	8.36	43	577790	209.39	ug/l	100
60) Dibromochloromethane	8.48	129	109368	45.25	ug/l	100
61) 1,2-Dibromoethane	8.59	107	105476	44.05	ug/l	100
64) Tetrachloroethene	8.23	164	100892	44.19	ug/l	100
65) Chlorobenzene	9.12	112	266630	42.62	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	100571	44.94	ug/l	100
67) Ethyl Benzene	9.25	91	461230	43.24	ug/l	100
68) m/p-Xylenes	9.38	106	366416	88.86	ug/l	100
69) o-Xylene	9.78	106	181977	44.08	ug/l	100
70) Styrene	9.80	104	290811	44.35	ug/l	100
71) Bromoform	9.96	173	85627	44.24	ug/l #	100
73) Isopropylbenzene	10.17	105	484798	42.38	ug/l	100
74) N-amyl acetate	10.01	43	201879	40.65	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	157753	42.15	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	135197m	40.03	ug/l	
77) Bromobenzene	10.45	156	124722	42.62	ug/l	100
78) n-propylbenzene	10.59	91	552889	43.56	ug/l	100
79) 2-Chlorotoluene	10.66	91	330555	41.61	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	417608	43.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	51225m	41.64	ug/l	
82) 4-Chlorotoluene	10.78	91	380197	42.30	ug/l	100
83) tert-Butylbenzene	11.10	119	411954	42.35	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	427427	43.33	ug/l	100
85) sec-Butylbenzene	11.33	105	497243	43.42	ug/l	100
86) p-Isopropyltoluene	11.48	119	446300	44.01	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	224355	41.95	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	227080	41.34	ug/l	100
89) n-Butylbenzene	11.89	91	360973	43.30	ug/l	100
90) Hexachloroethane	12.15	117	76352	44.47	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	230314	42.64	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	39311	43.31	ug/l	100

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VSTDICCC050

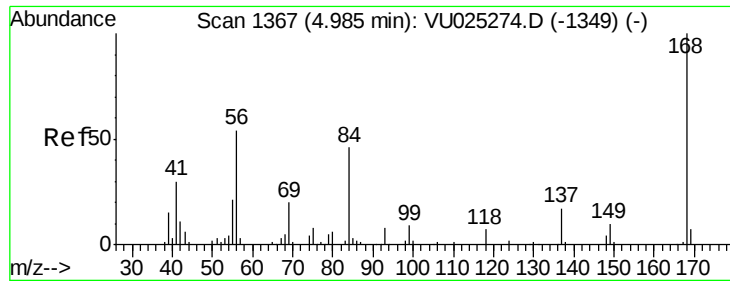
Manual Integrations
APPROVED

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7/10/2018 2:33:17 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	143814	40.64	ug/l	100
94) Hexachlorobutadiene	13.70	225	77234	39.98	ug/l	100
95) Naphthalene	13.74	128	453815	37.27	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	148925	39.02	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 177548

Ion Ratio Lower Upper

168 100

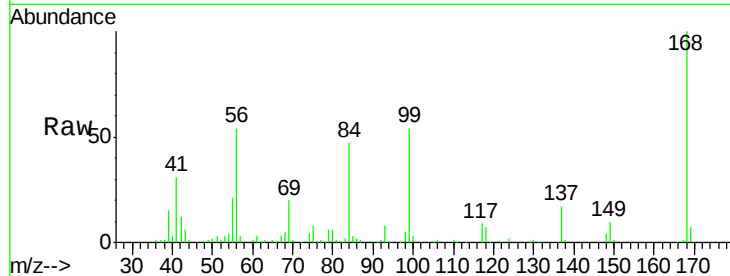
99 53.5 42.8 64.2

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) (-)

80000

60000

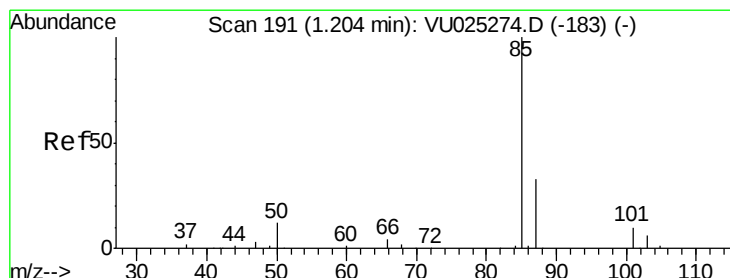
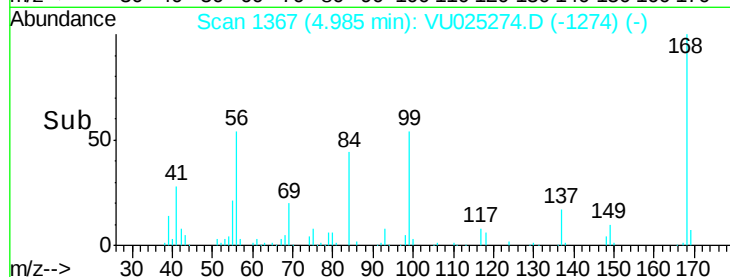
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.08 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025274.D

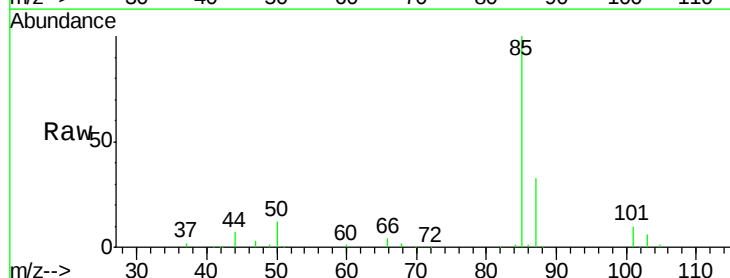
Acq: 09 Jul 2018 15:22

Tgt Ion: 85 Resp: 79159

Ion Ratio Lower Upper

85 100

87 33.0 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) (-)

80000

60000

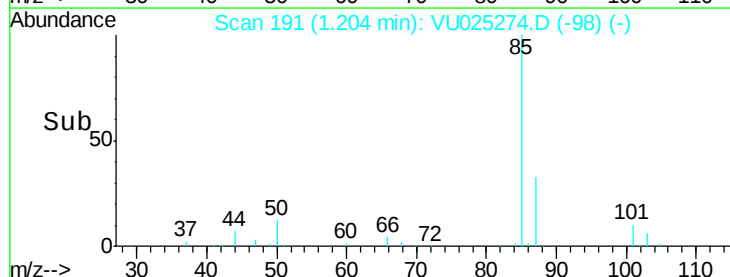
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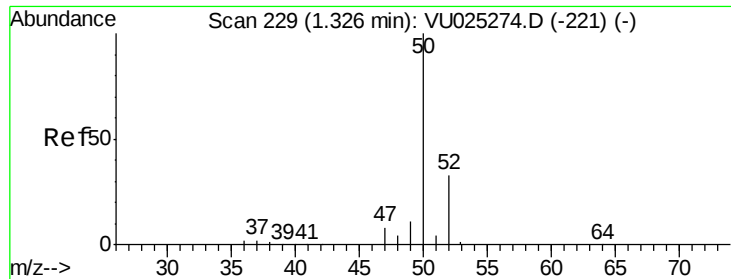
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1.15 1.20 1.25 1.30

Time-->





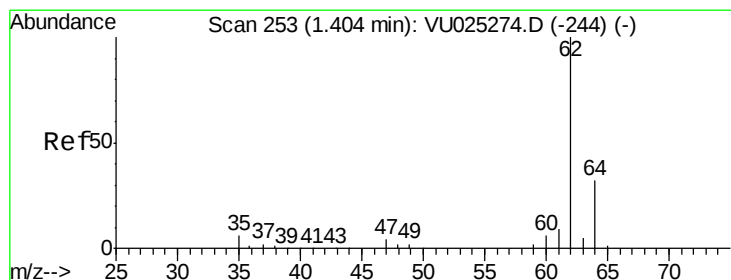
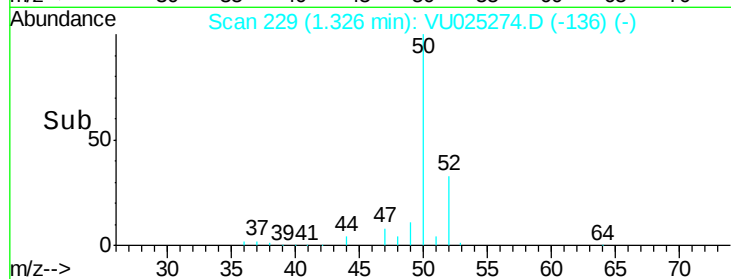
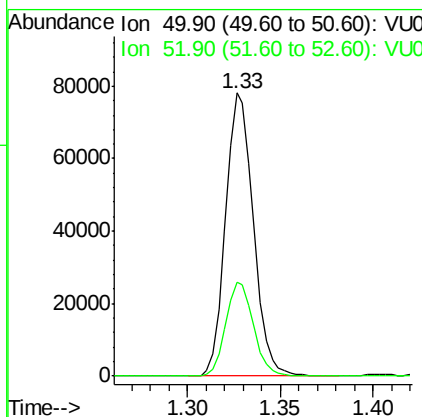
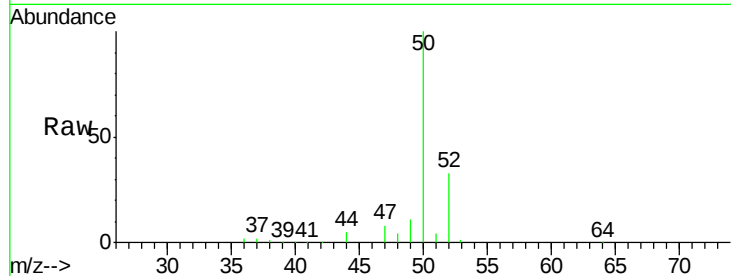
#3
Chloromethane
Concen: 39.04 ug/l
RT: 1.33 min Scan# 229
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.5	39.7

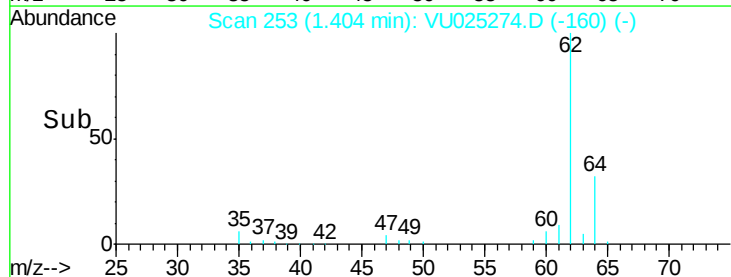
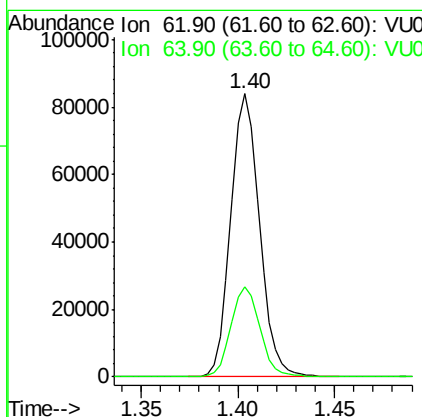
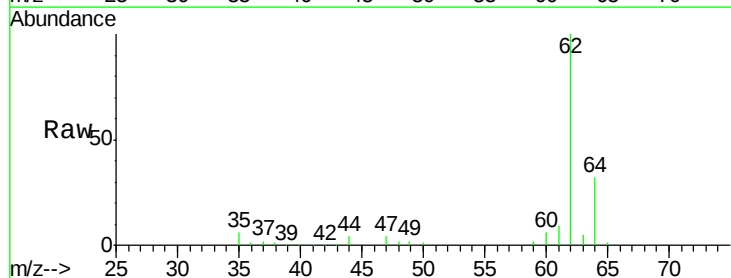
Manual Integrations
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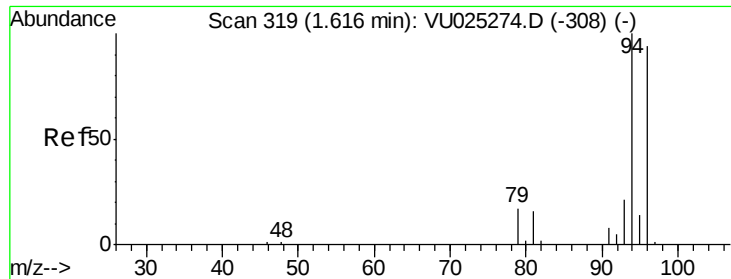
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#4
Vinyl Chloride
Concen: 42.92 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.4	38.0





#5

Bromomethane

Concen: 36.15 ug/l

RT: 1.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 53330

Ion Ratio Lower Upper

94 100

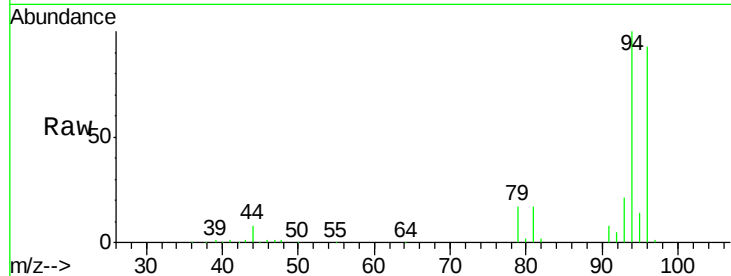
96 93.7 75.0 112.4

Manual Integrations

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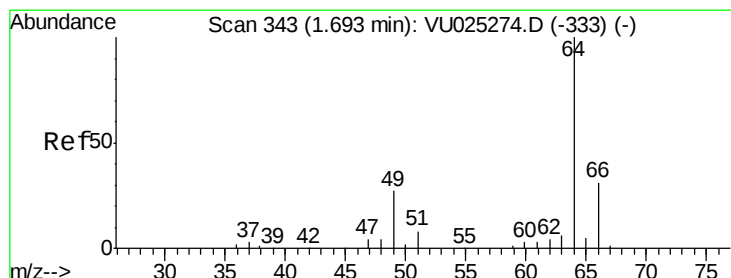
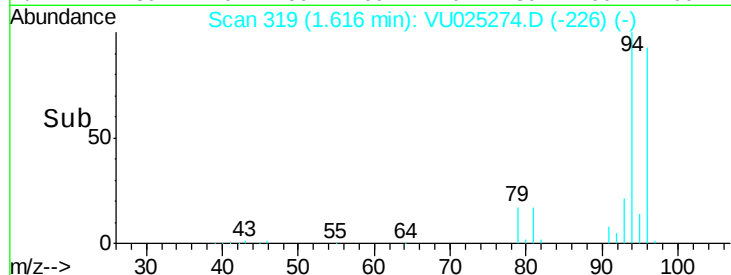
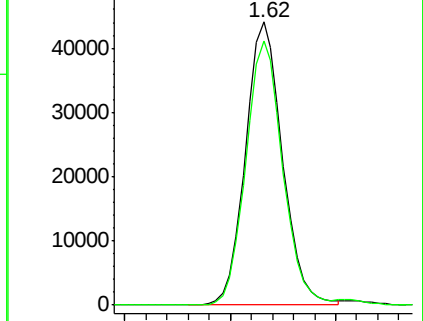
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 40.55 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025274.D

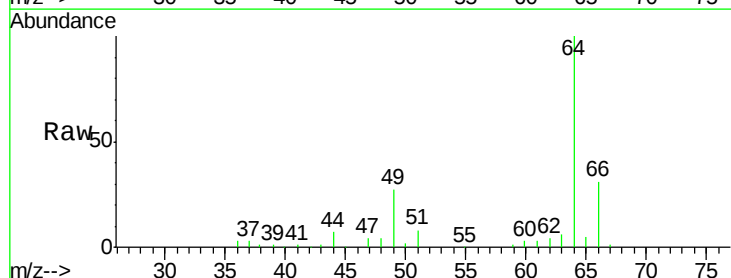
Acq: 09 Jul 2018 15:22

Tgt Ion: 64 Resp: 57057

Ion Ratio Lower Upper

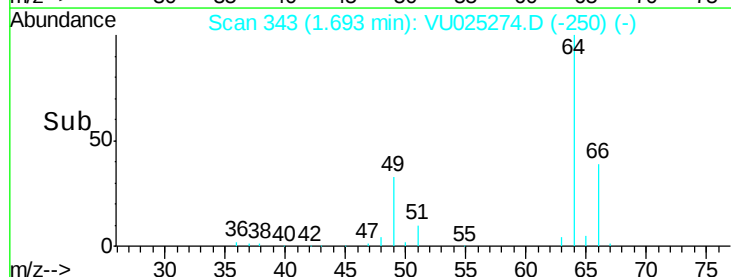
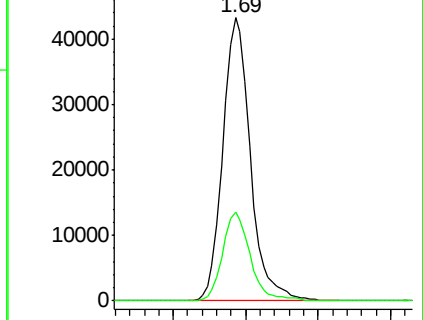
64 100

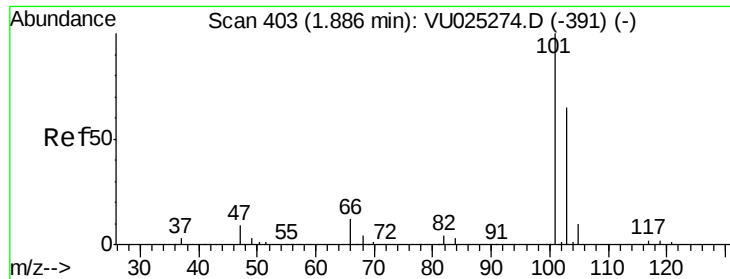
66 31.2 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

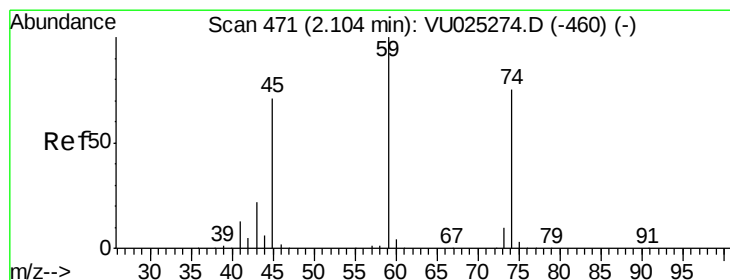
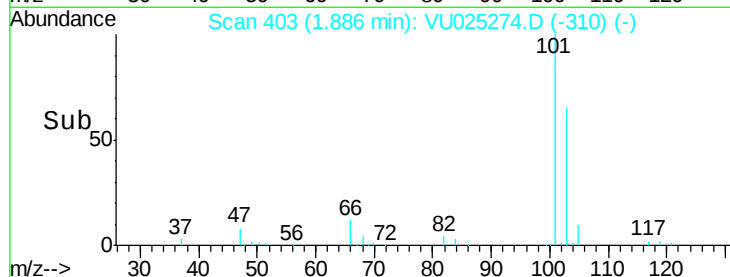
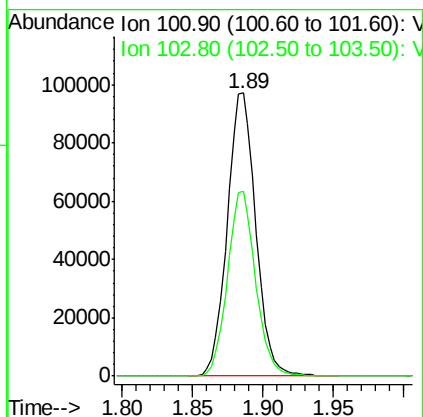
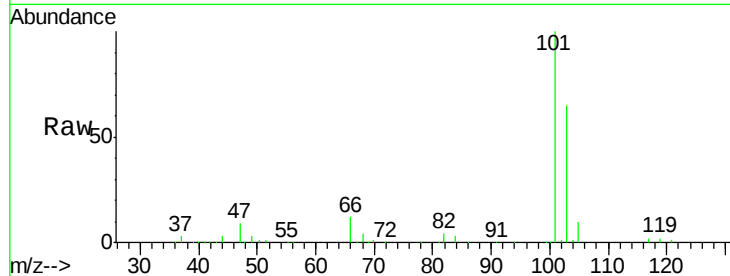
Trichlorofluoromethane
Concen: 43.31 ug/l
RT: 1.89 min Scan# 403
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
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ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.2

Manual Integrations
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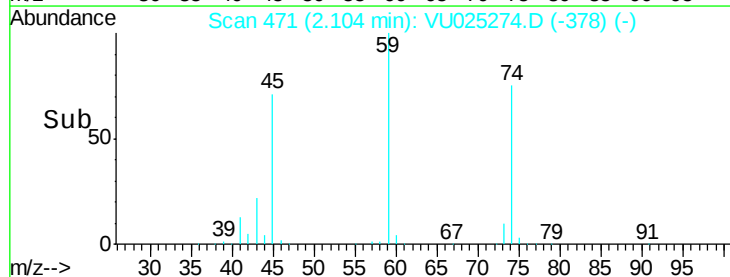
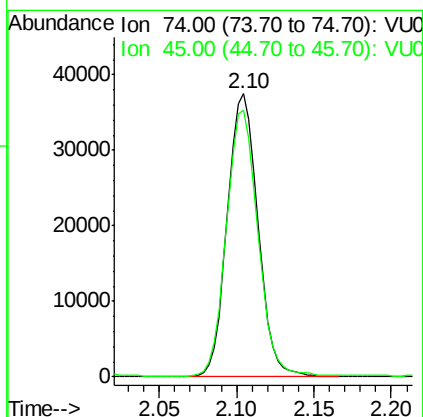
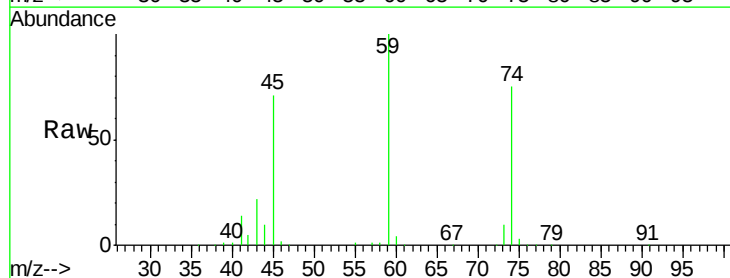
MMDadoda
7/10/2018 2:33:17 PM

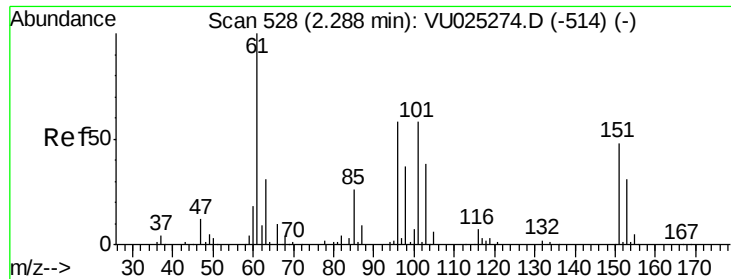


#8

Diethyl Ether
Concen: 43.20 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.79 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

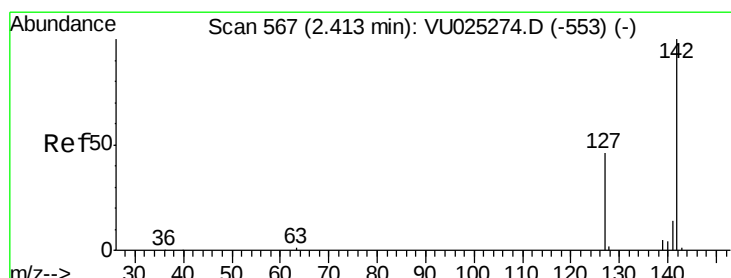
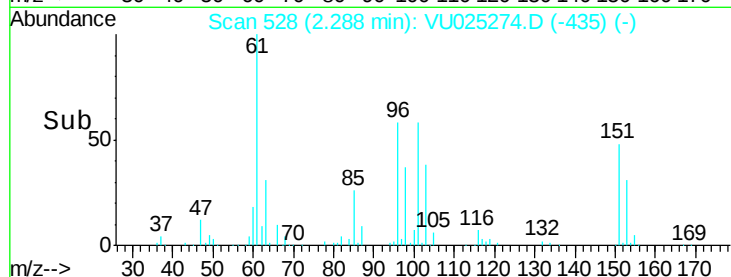
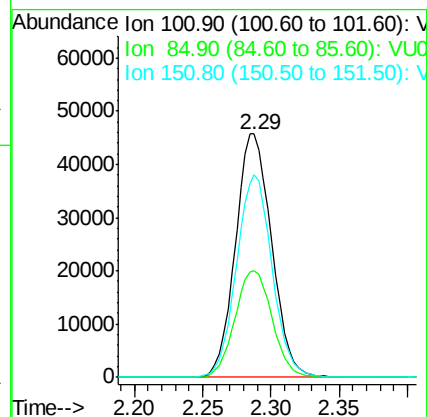
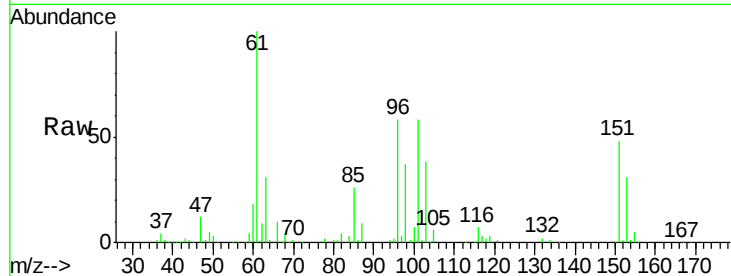
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	84141
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	82.0	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.24 ug/l

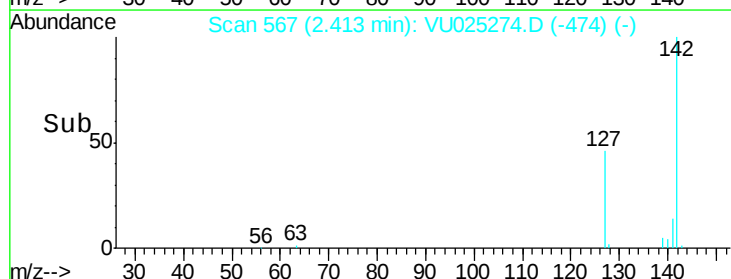
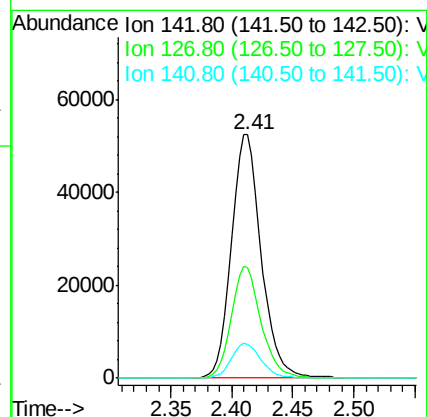
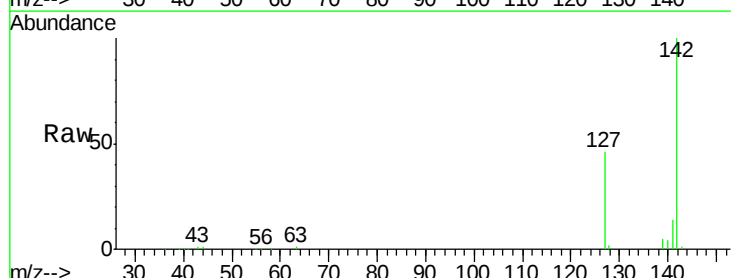
RT: 2.41 min Scan# 567

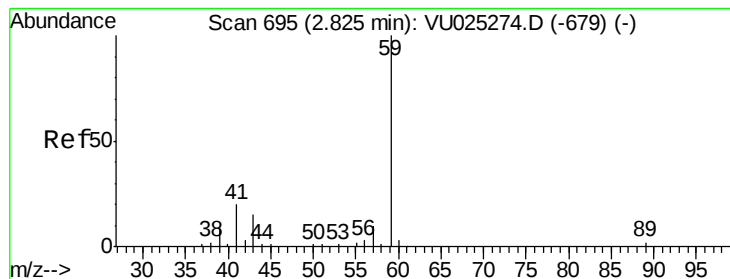
Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion:	142	Resp:	89775
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.5	54.7
141	14.3	11.4	17.2





#11

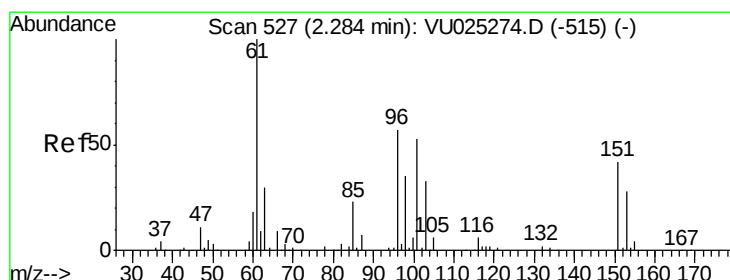
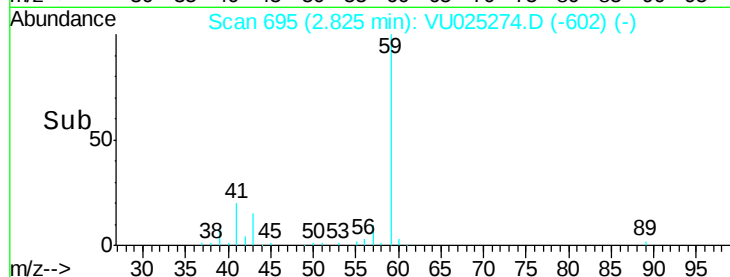
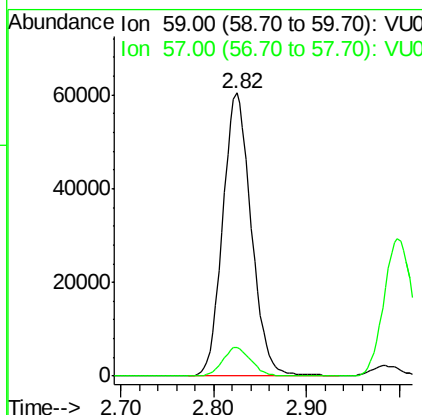
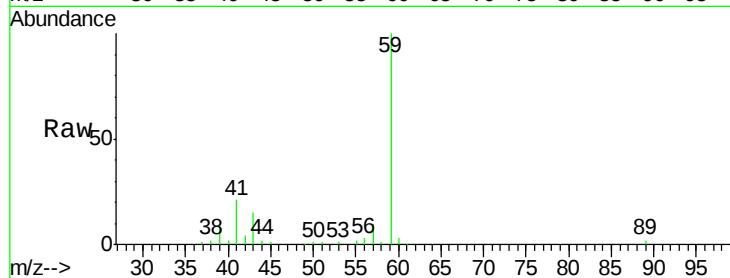
Tert butyl alcohol
Concen: 190.58 ug/l
RT: 2.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
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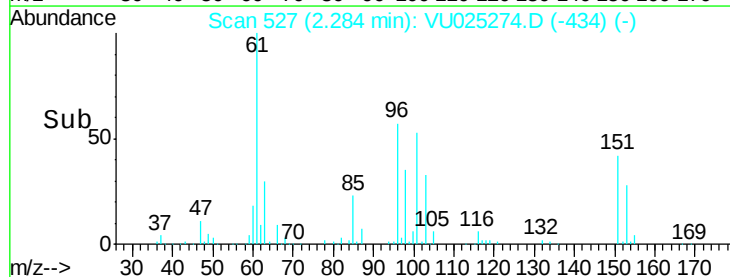
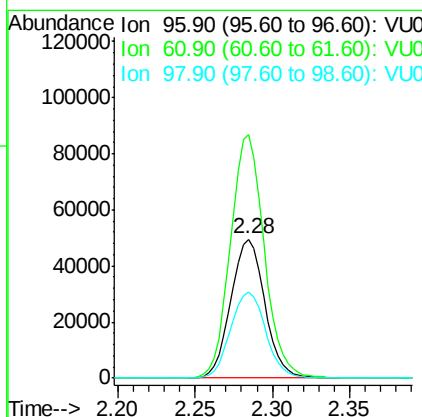
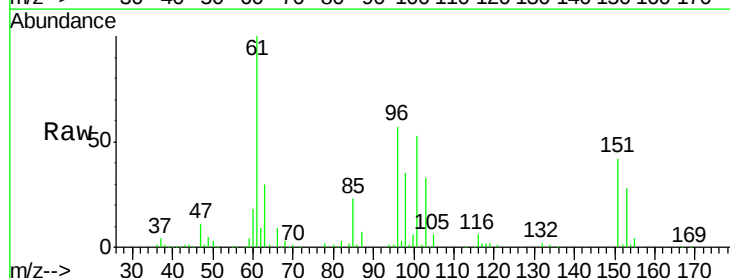
MMDadoda
7/10/2018 2:33:17 PM

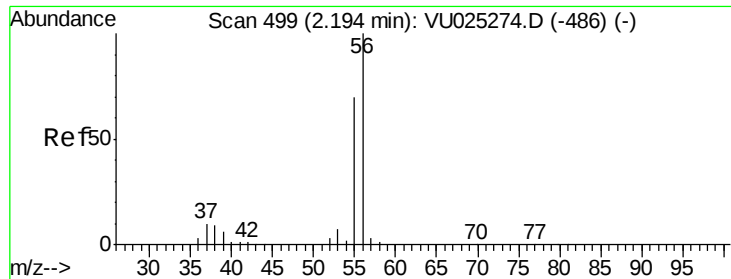


#12

1,1-Dichloroethene
Concen: 41.88 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.3	140.2	210.4
98	61.6	49.3	73.9





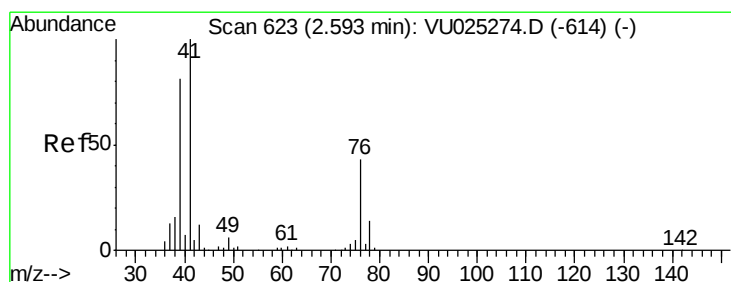
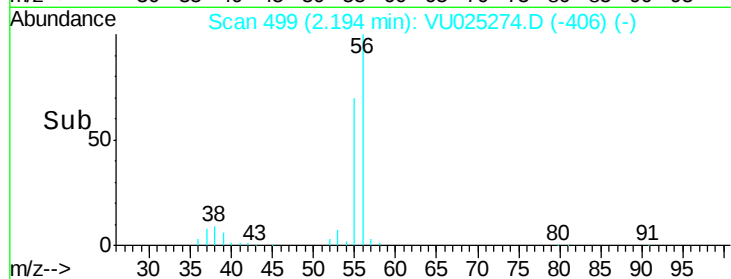
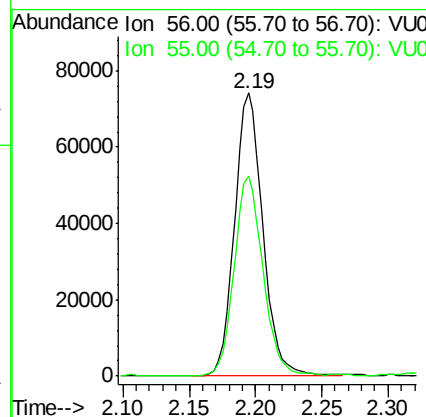
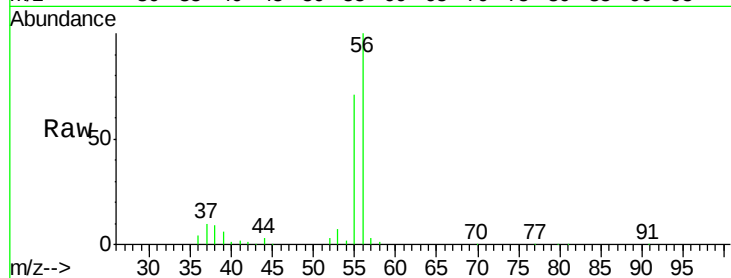
#13
 Acrolein
 Concen: 261.65 ug/l
 RT: 2.19 min Scan# 499
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	56	55	Ratio	100	71.5	Resp	109858	Lower	57.2	Upper	85.8
Ion											

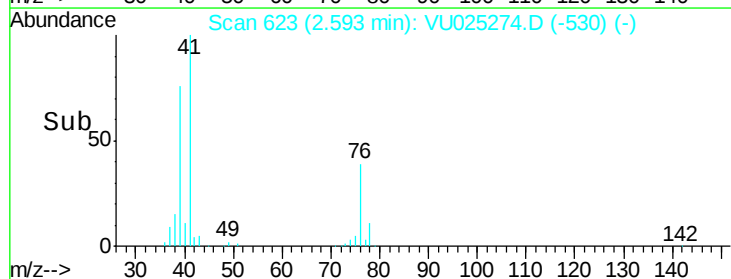
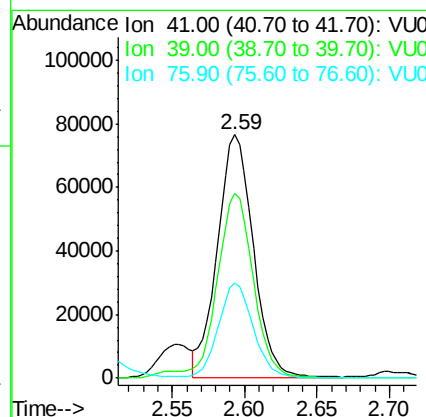
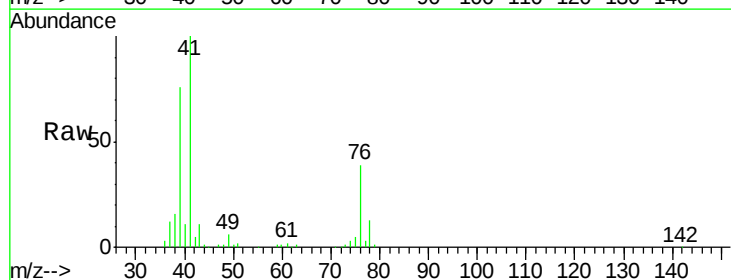
Manual Integrations
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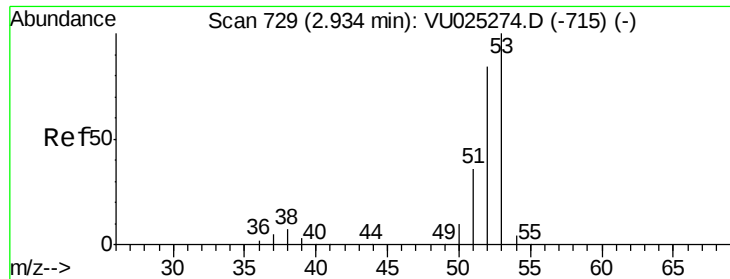
MMDadoda
 7/10/2018 2:33:17 PM



#14
 Allyl chloride
 Concen: 40.26 ug/l
 RT: 2.59 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	41	39	76	Ratio	100	75.8	38.1	Resp	131416	Lower	60.6	30.5	Upper	91.0	45.7
Ion															





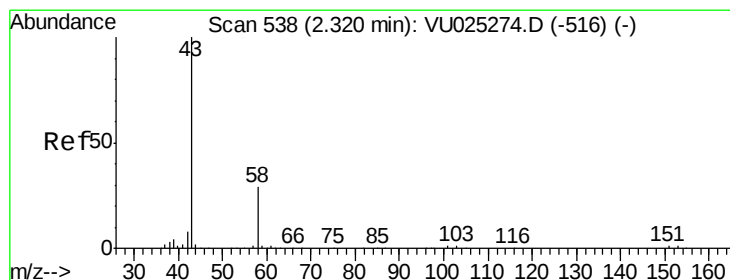
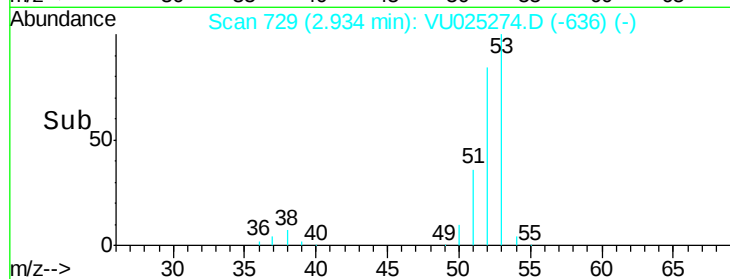
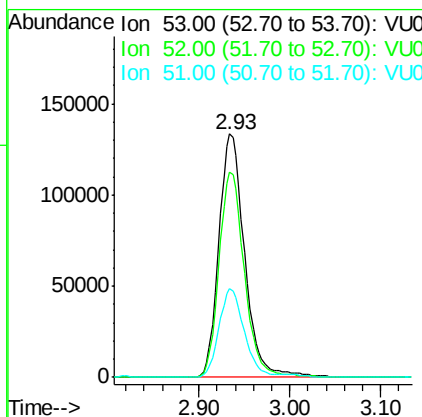
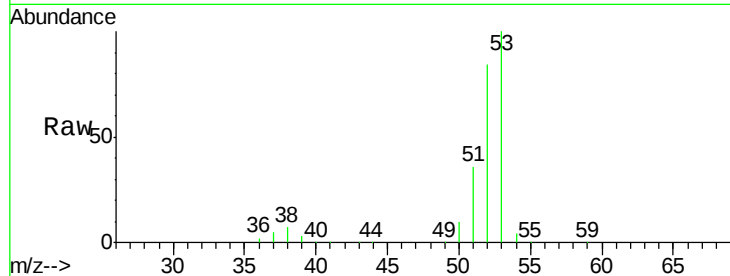
#15
 Acrylonitrile
 Concen: 212.26 ug/l
 RT: 2.93 min Scan# 729
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.6	99.8
51	36.8	29.4	44.2

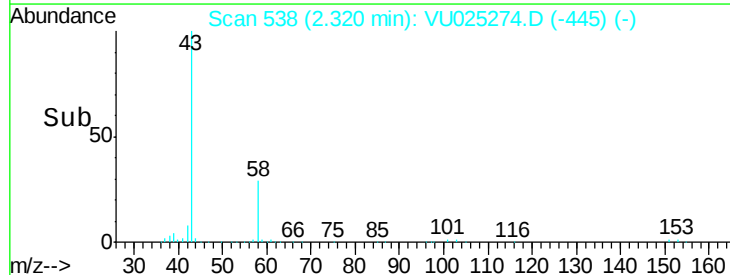
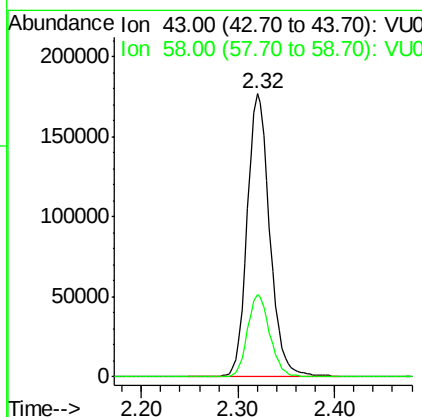
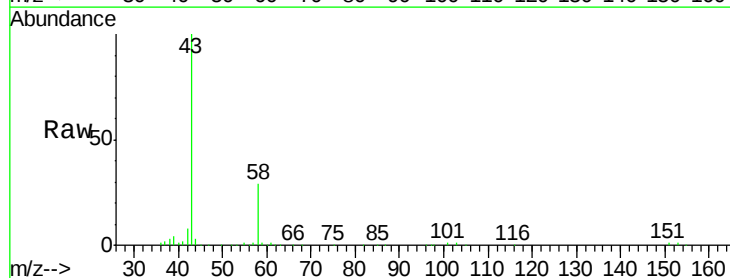
Manual Integrations
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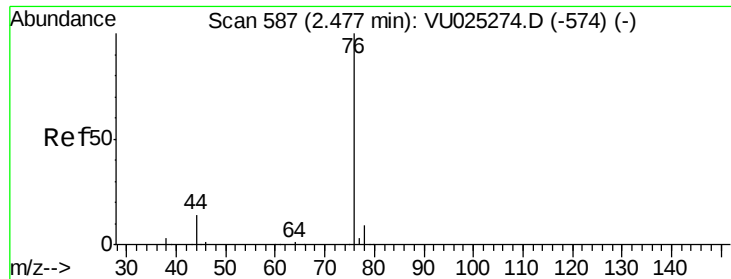
MMDadoda
 7/10/2018 2:33:17 PM



#16
 Acetone
 Concen: 192.13 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





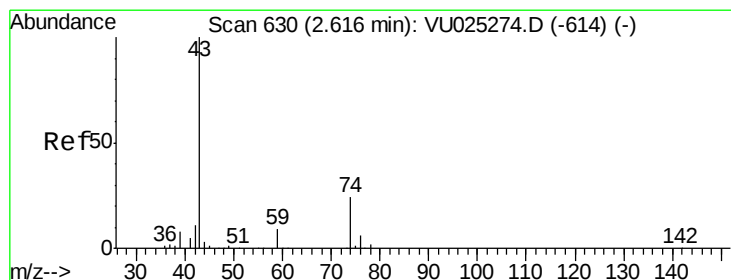
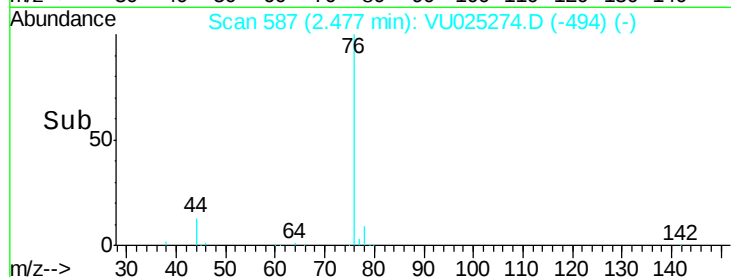
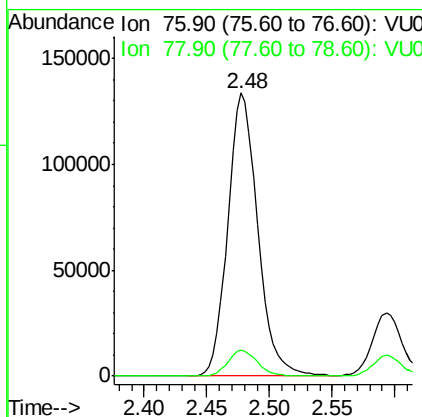
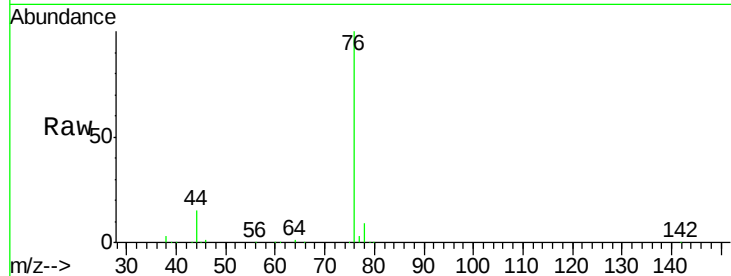
#17
Carbon Disulfide
Concen: 39.93 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

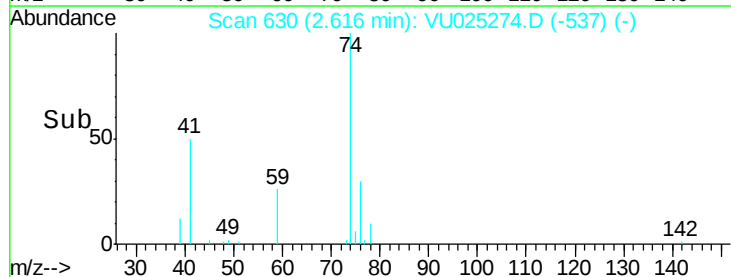
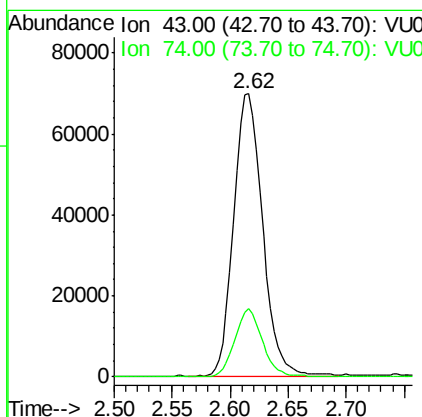
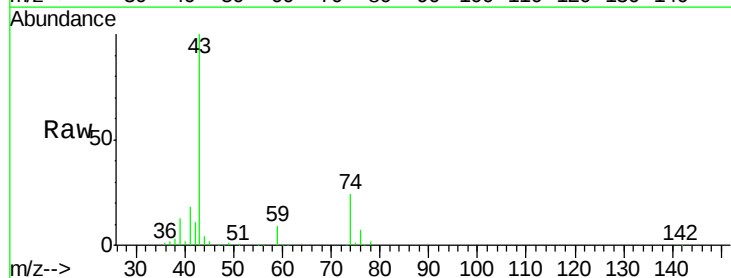
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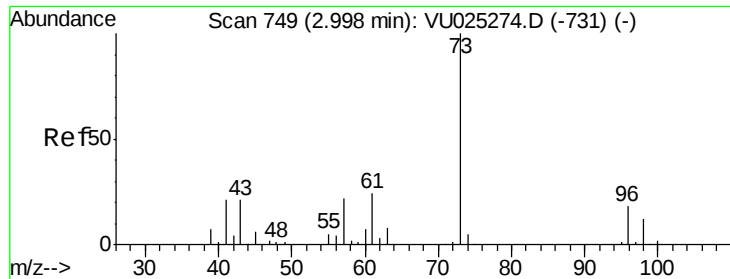
MMDadoda
7/10/2018 2:33:17 PM



#18
Methyl Acetate
Concen: 42.65 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.5	27.7





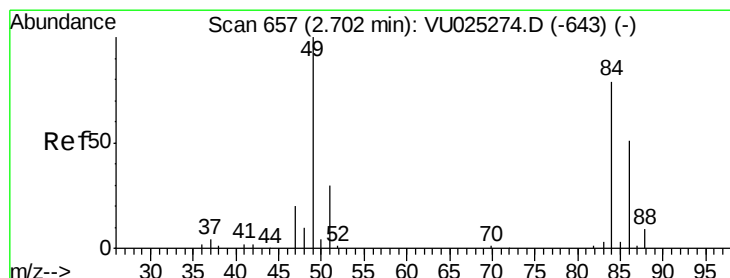
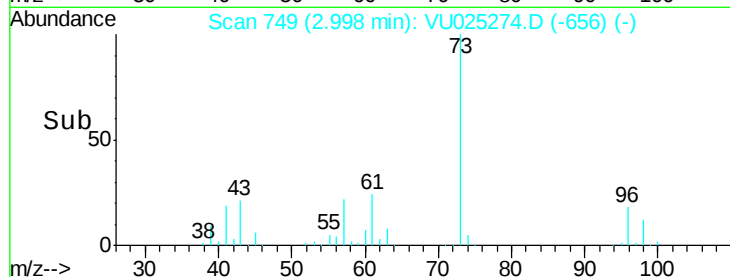
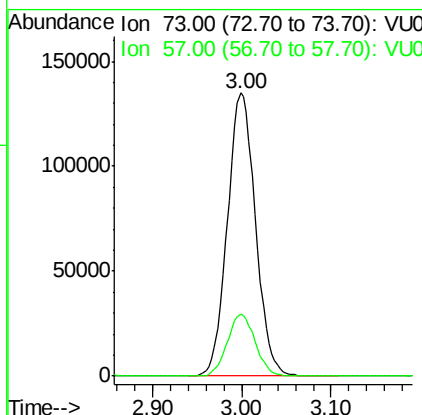
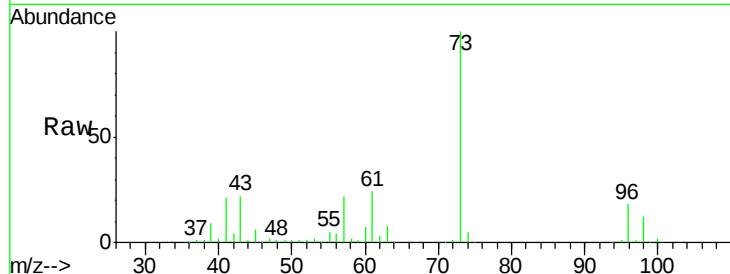
#19
Methvl tert-butvl Ether
Concen: 43.06 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 294766
Ion Ratio Lower Upper
73 100
57 21.8 17.4 26.2

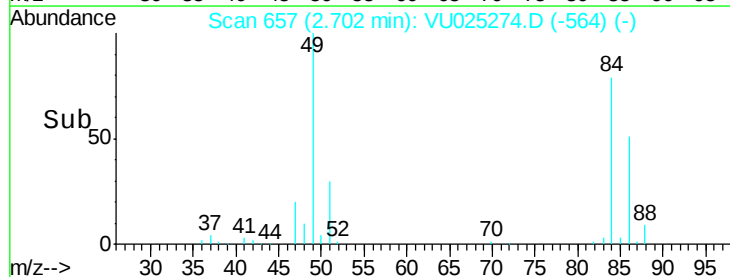
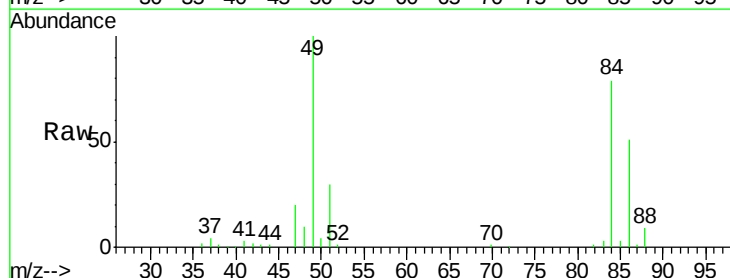
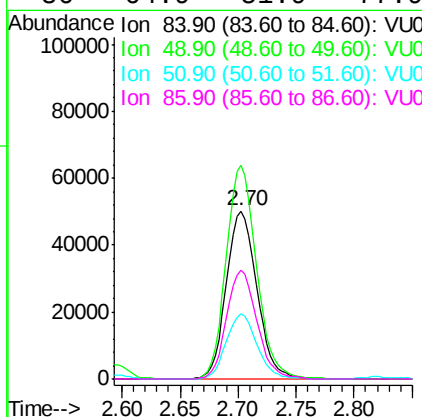
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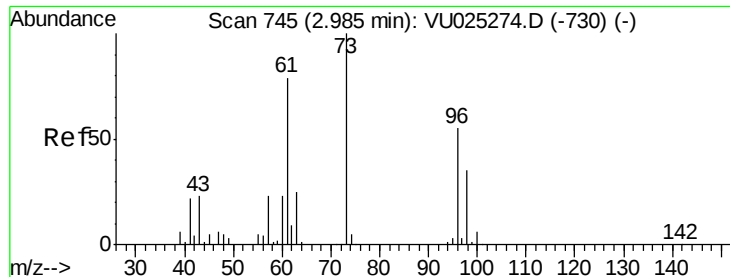
MMDadoda
7/10/2018 2:33:17 PM



#20
Methylene Chloride
Concen: 37.52 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion: 84 Resp: 91836
Ion Ratio Lower Upper
84 100
49 127.2 101.8 152.6
51 38.5 30.8 46.2
86 64.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 41.91 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 86190

Ion Ratio Lower Upper

96 100

61 143.1 114.5 171.7

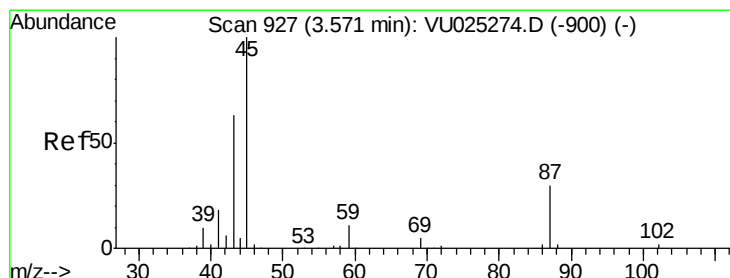
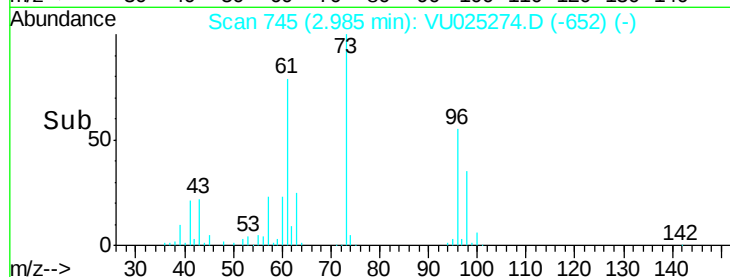
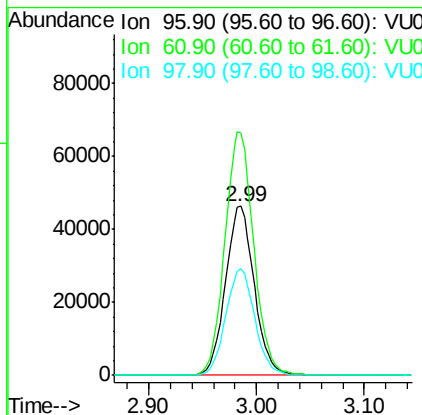
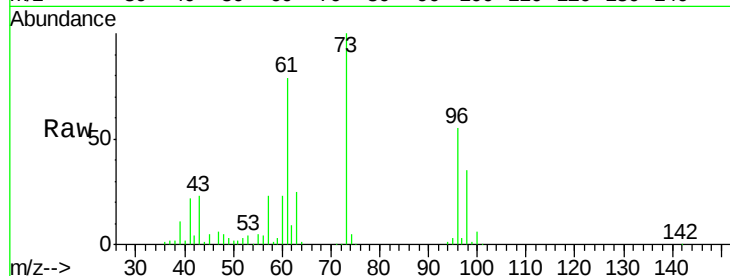
98 63.1 50.5 75.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 43.13 ug/l

RT: 3.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion: 45 Resp: 287507

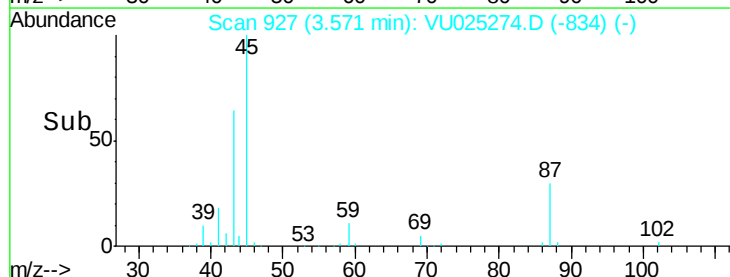
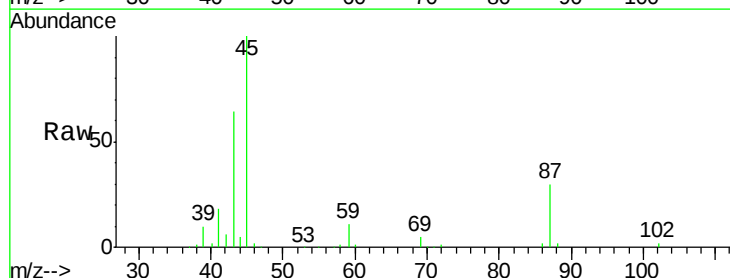
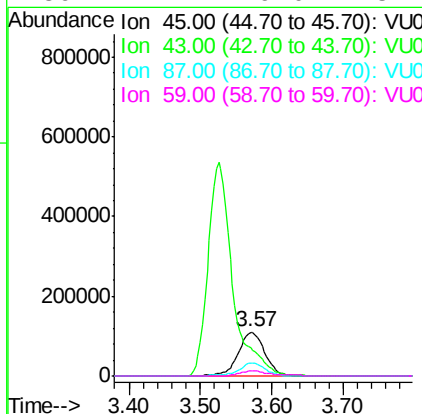
Ion Ratio Lower Upper

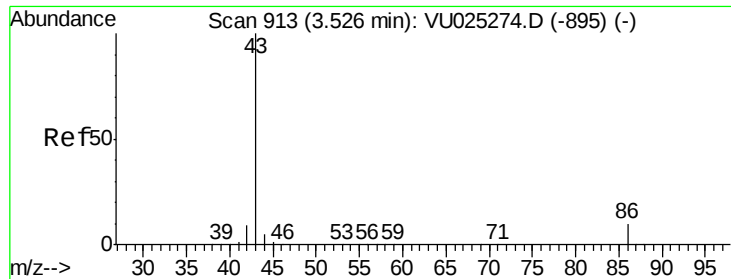
45 100

43 63.6 50.9 76.3

87 29.8 23.8 35.8

59 11.2 9.0 13.4





#23

Vinyl Acetate

Concen: 219.03 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1280762

Ion Ratio Lower Upper

43 100

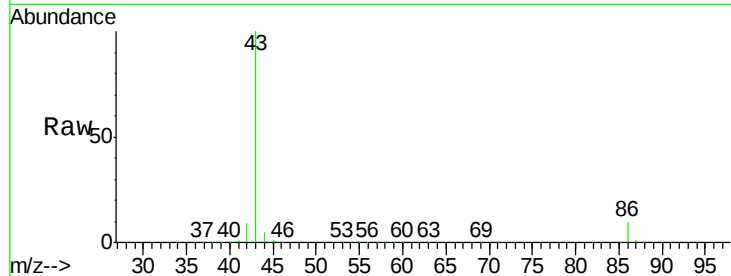
86 10.2 8.2 12.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

3.53

600000

500000

400000

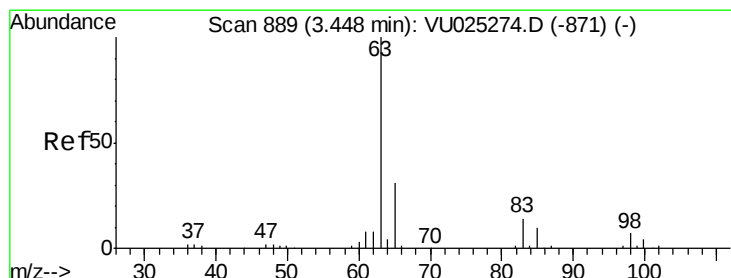
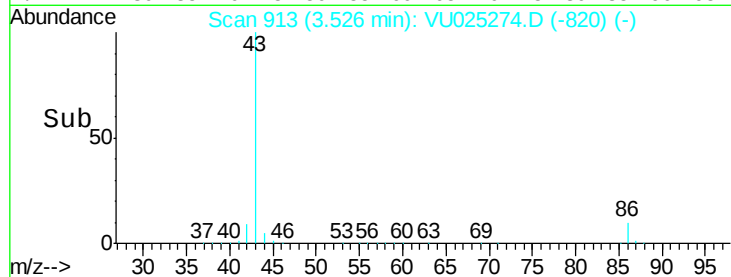
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.23 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

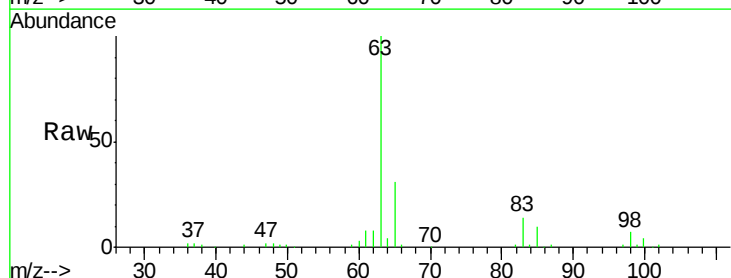
Tgt Ion: 63 Resp: 166266

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.0 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

3.45

100000

80000

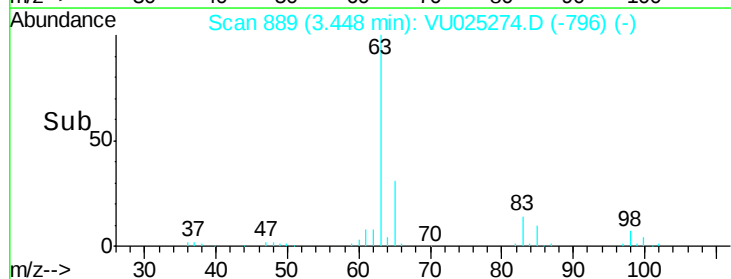
60000

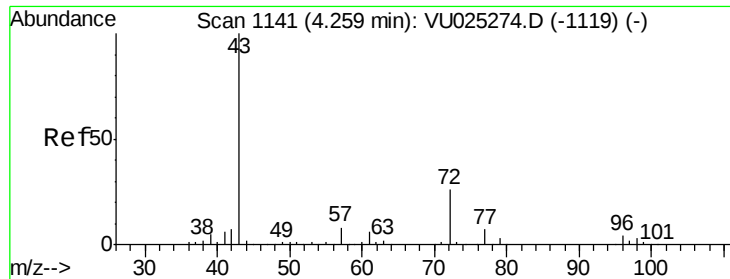
40000

20000

0

Time-->





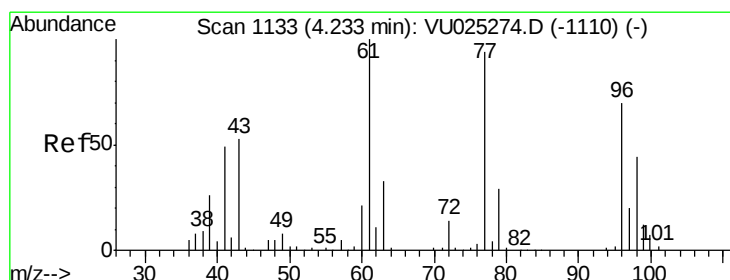
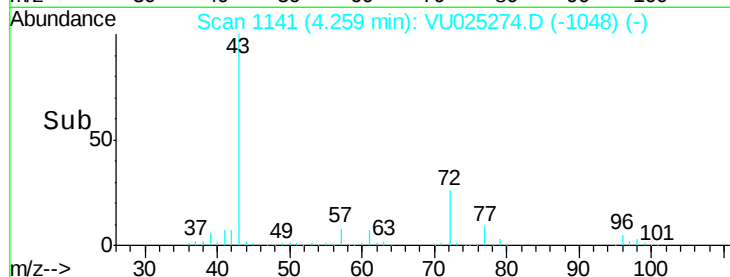
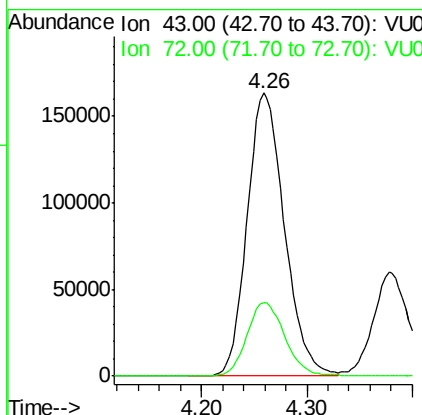
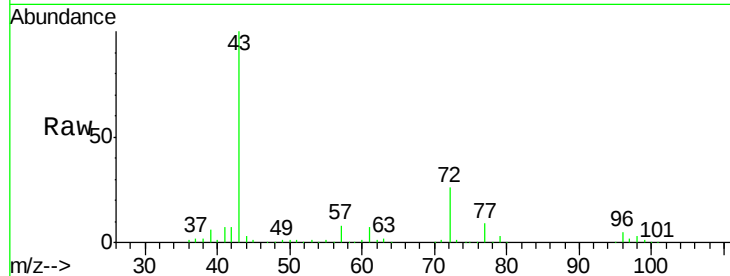
#25
2-Butanone
Concen: 209.75 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 401026
Ion Ratio Lower Upper
43 100
72 26.2 21.0 31.4

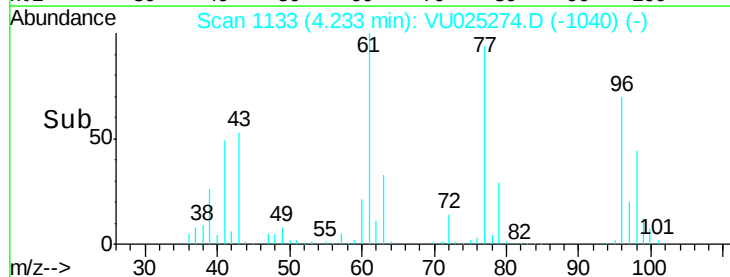
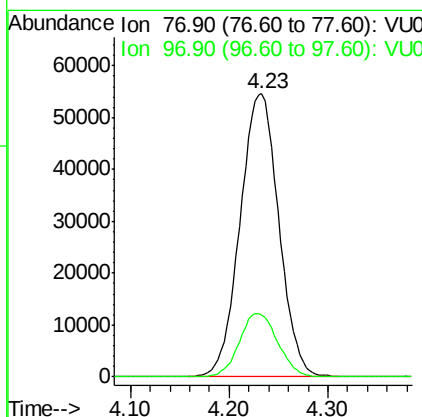
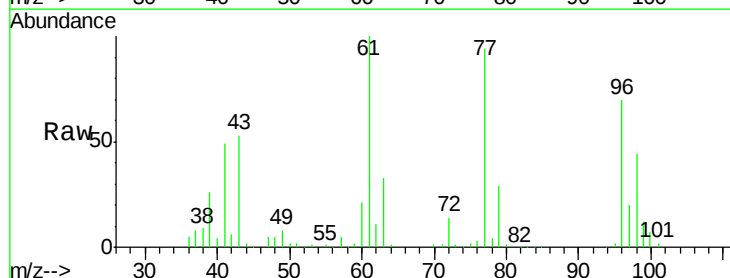
Manual Integrations
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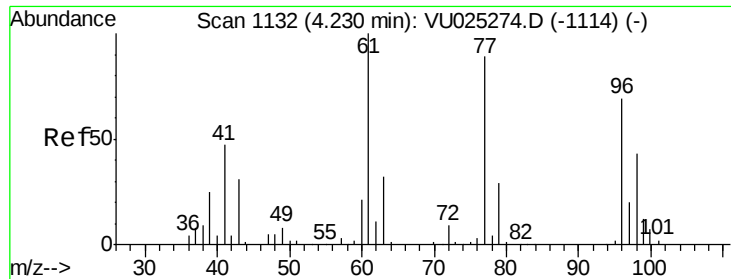
MMDadoda
7/10/2018 2:33:17 PM



#26
2,2-Dichloropropane
Concen: 40.96 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion: 77 Resp: 148044
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.5





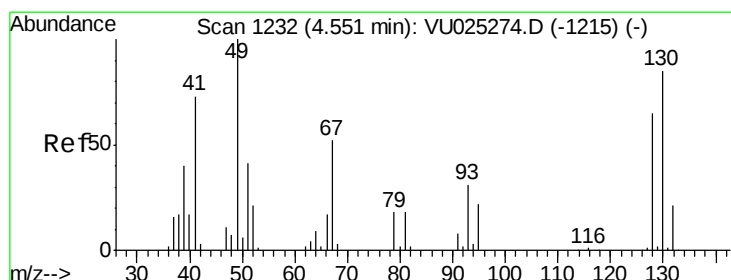
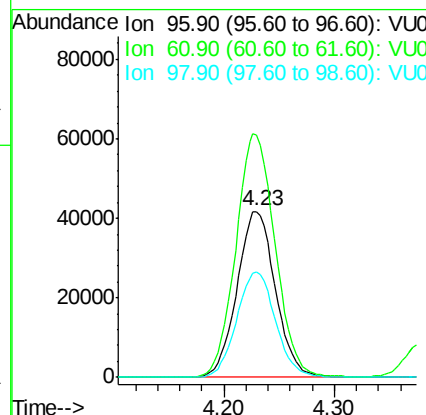
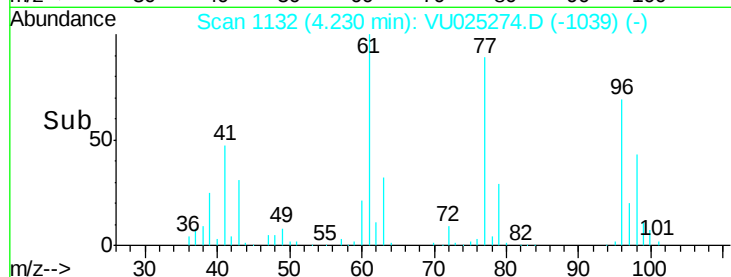
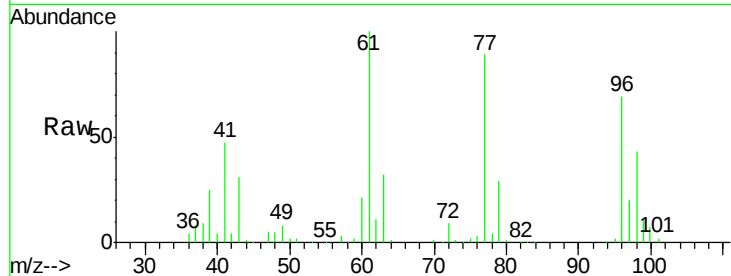
#27
 cis-1,2-Dichloroethene
 Concen: 42.25 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.9	0.0	299.8	
98	64.3	0.0	128.6	

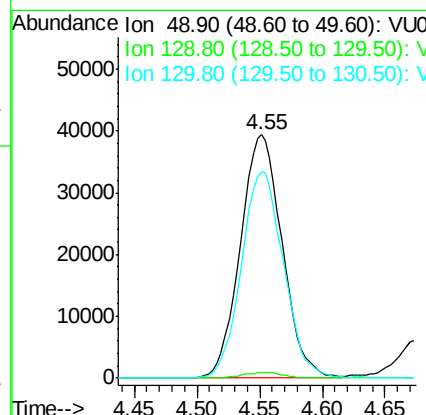
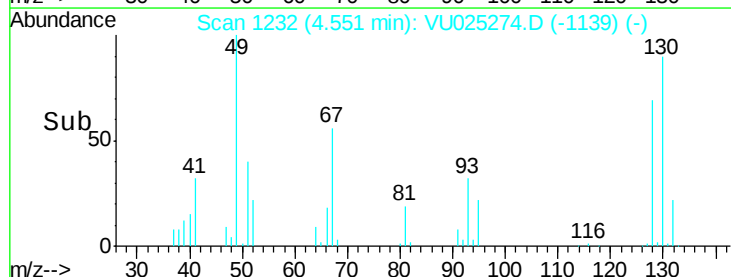
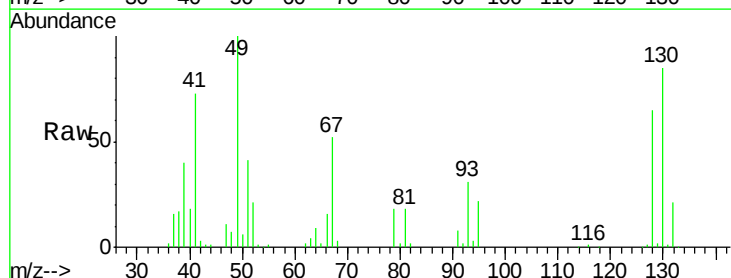
Manual Integrations
 APPROVED

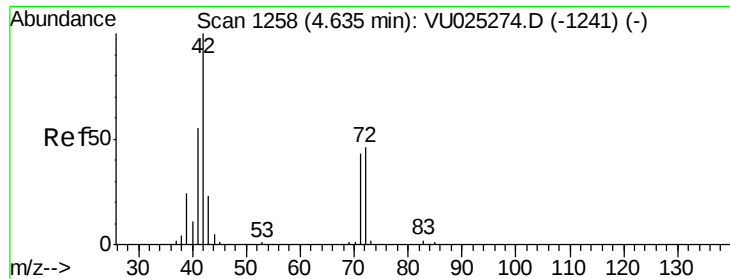
MMDadoda
 7/10/2018 2:33:17 PM



#28
 Bromochloromethane
 Concen: 50.22 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.6	
130	85.7	68.6	102.8	





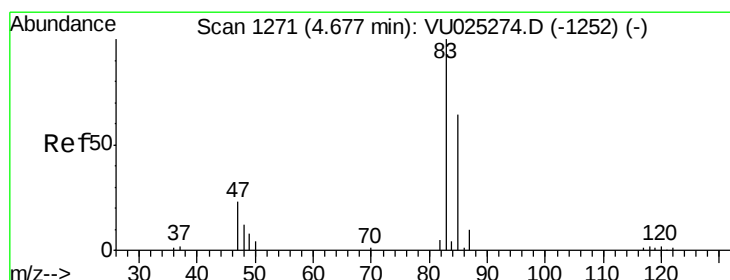
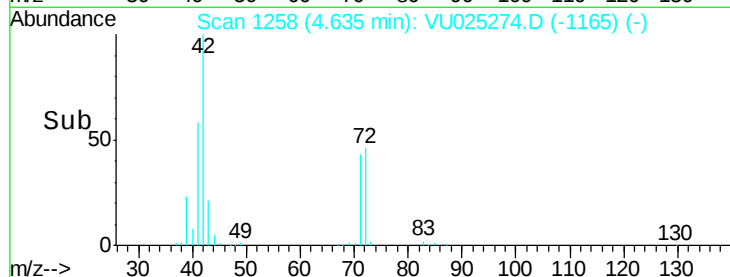
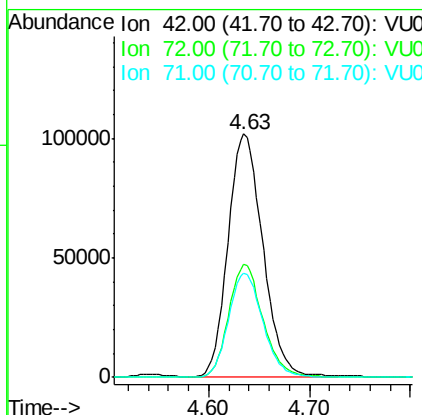
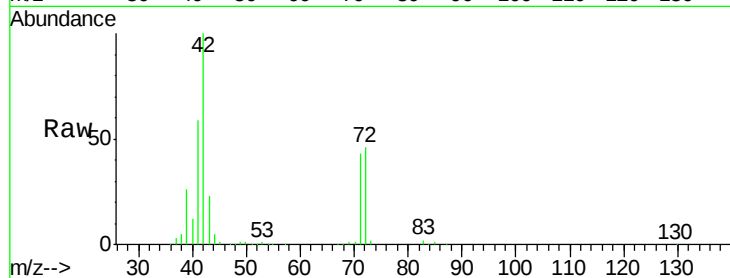
#29
Tetrahydrofuran
Concen: 212.99 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.7	55.1
71	42.4	33.9	50.9

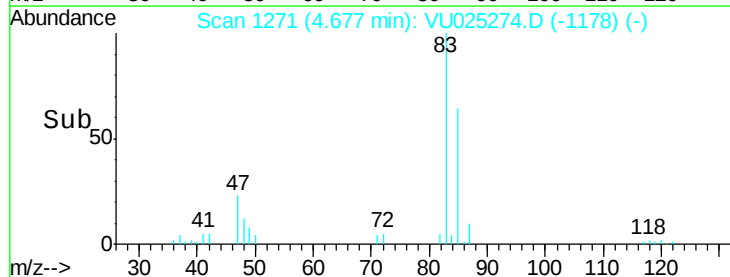
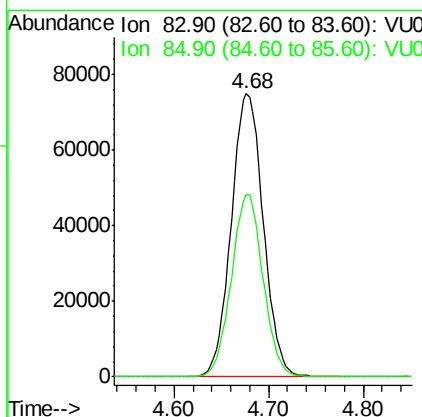
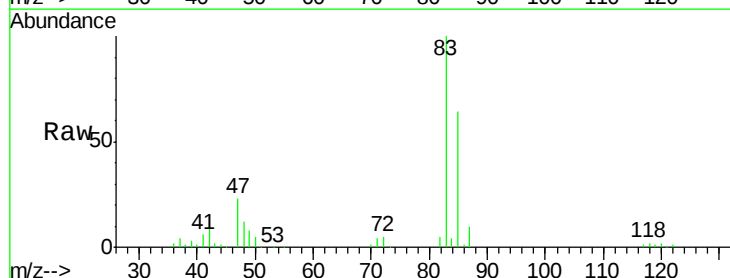
Manual Integrations
APPROVED

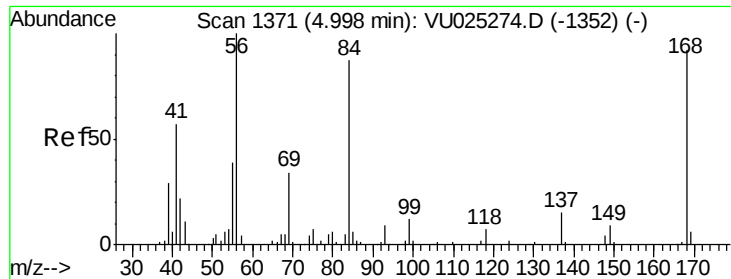
MMDadoda
7/10/2018 2:33:17 PM



#30
Chloroform
Concen: 44.27 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





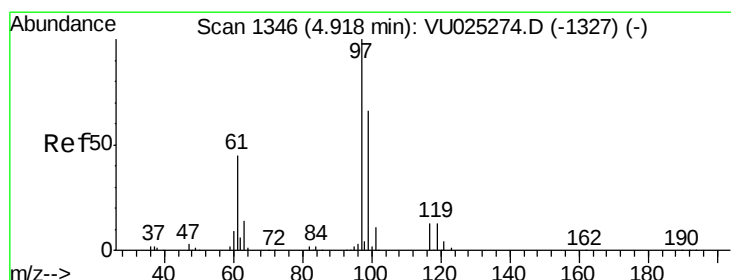
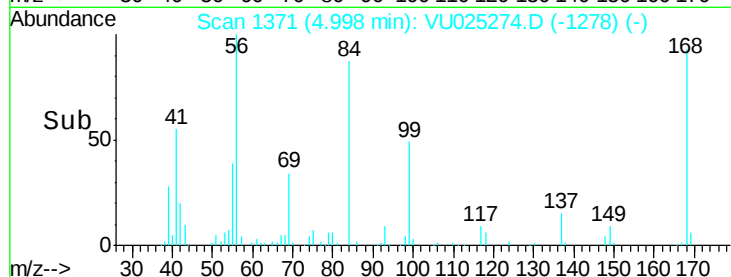
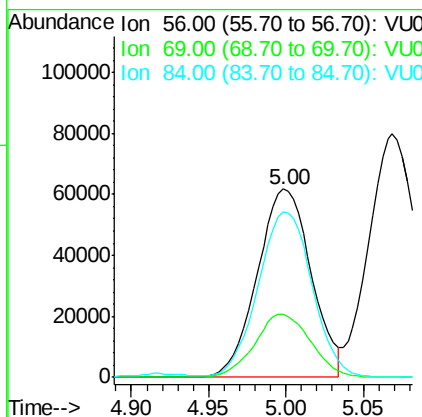
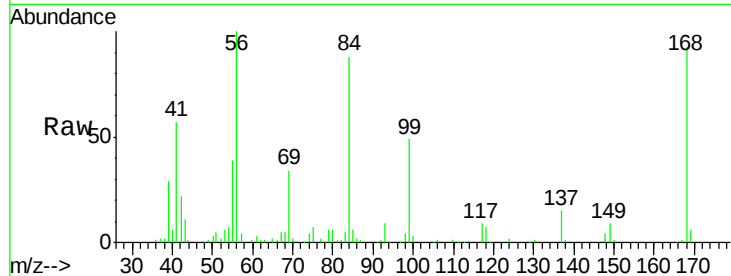
#31
Cyclohexane
Concen: 35.86 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.8	40.2
84	87.1	69.7	104.5

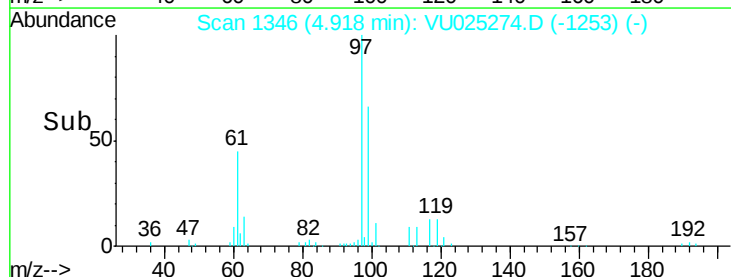
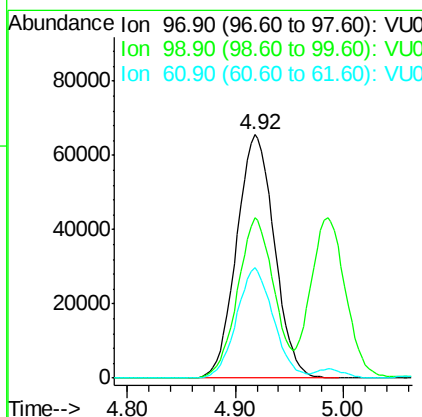
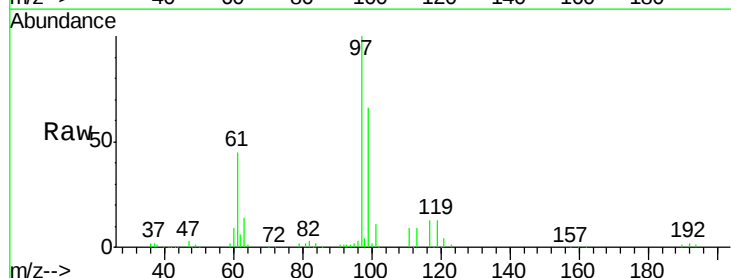
Manual Integrations
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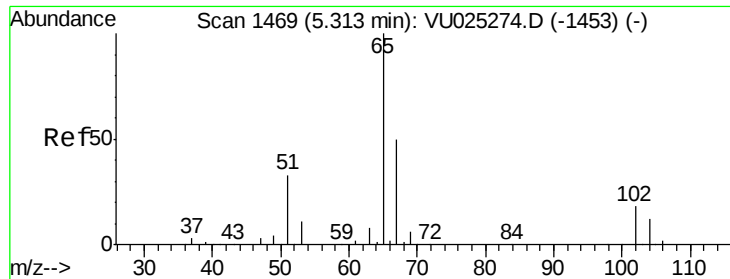
MMDadoda
7/10/2018 2:33:17 PM



#32
1,1,1-Trichloroethane
Concen: 44.31 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

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





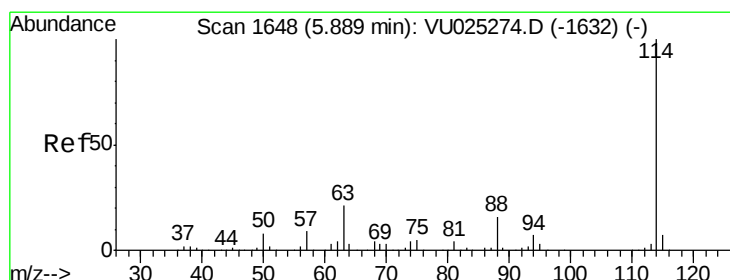
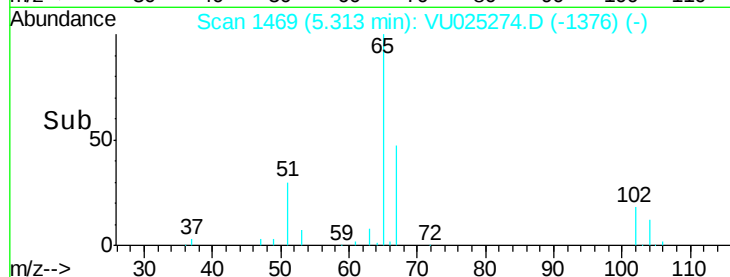
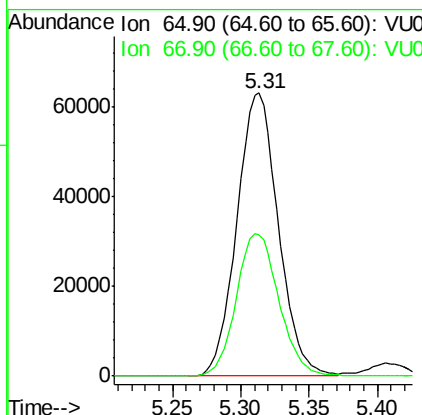
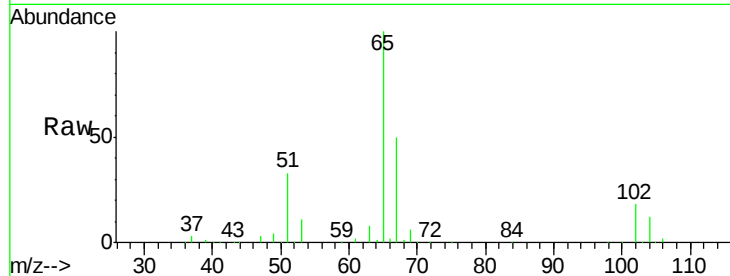
#33
 1,2-Dichloroethane-d4
 Concen: 48.35 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.6

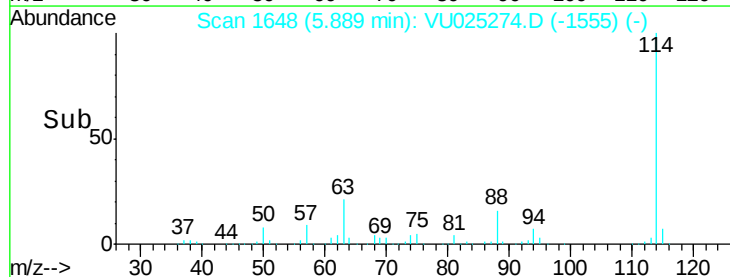
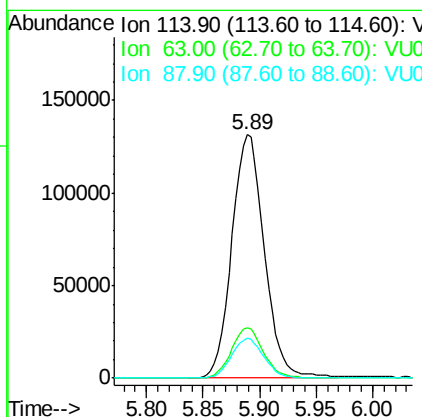
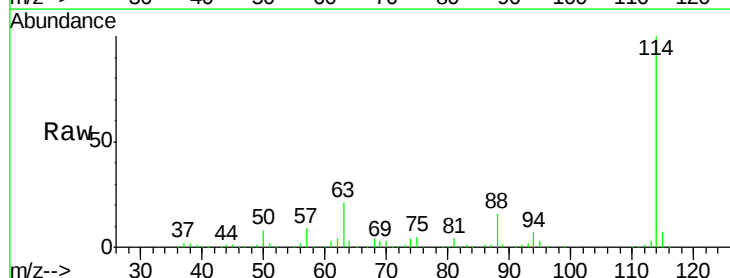
Manual Integrations
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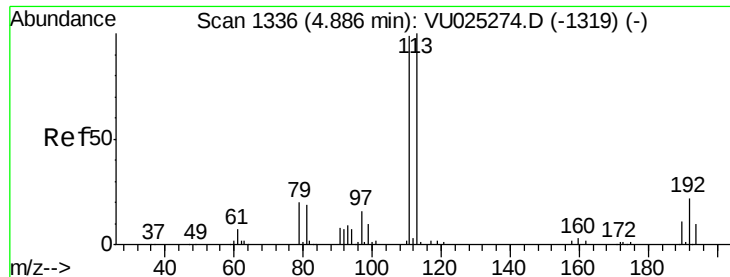
MMDadoda
 7/10/2018 2:33:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.6
88	16.2	0.0	32.4





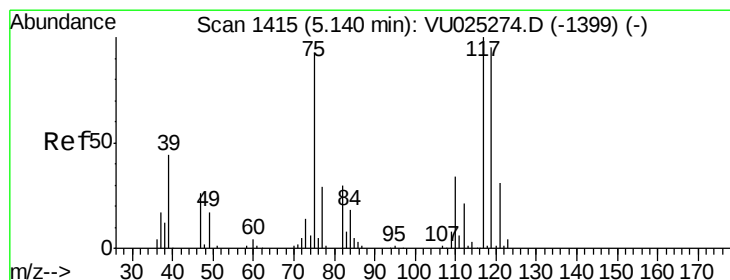
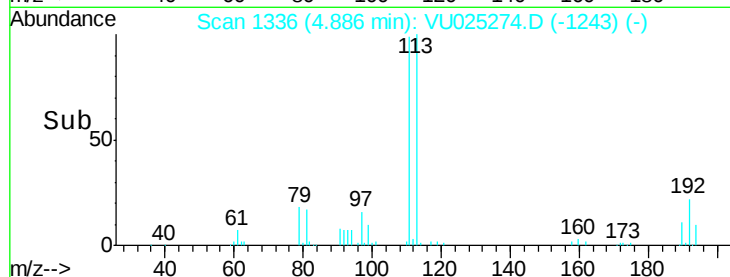
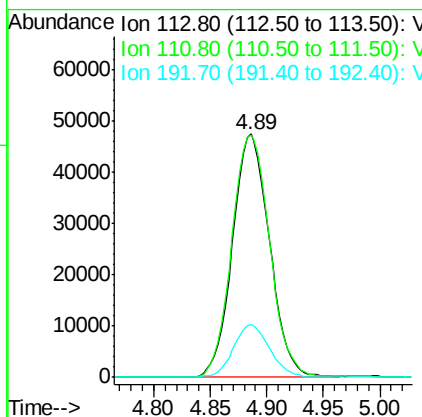
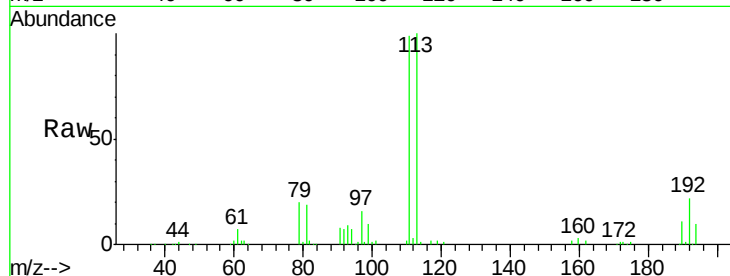
#35
 Dibromofluoromethane
 Concen: 48.62 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.7	122.5
192	21.4	17.1	25.7

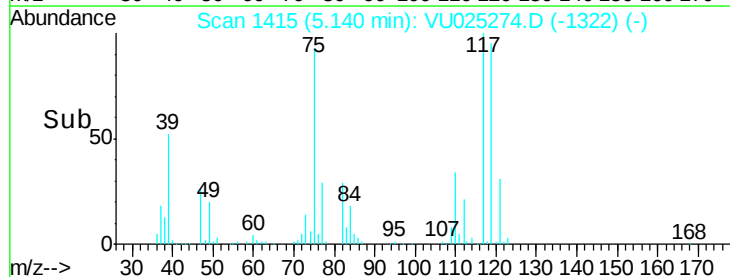
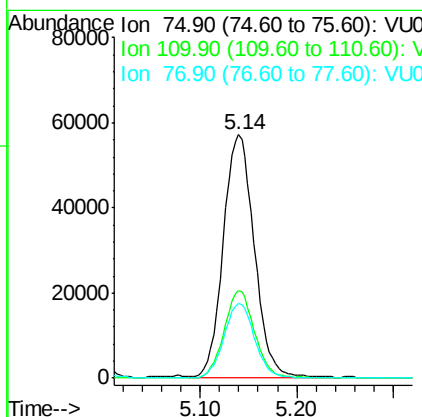
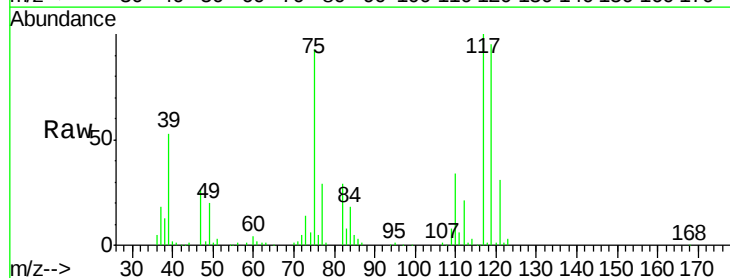
Manual Integrations
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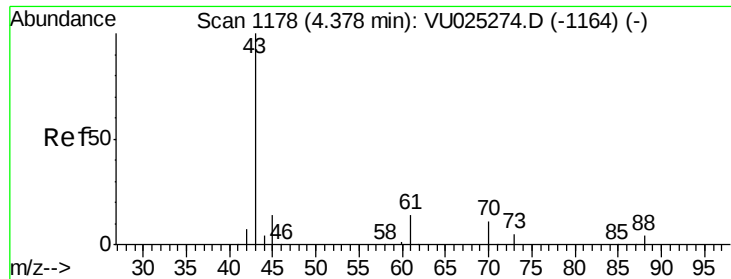
MMDadoda
 7/10/2018 2:33:17 PM



#36
 1,1-Dichloropropene
 Concen: 43.22 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	17.6	52.9
77	30.5	24.4	36.6





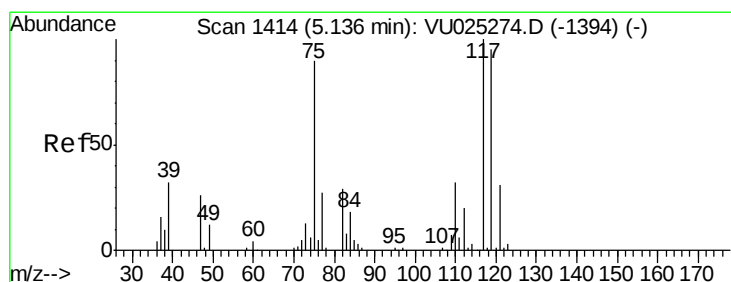
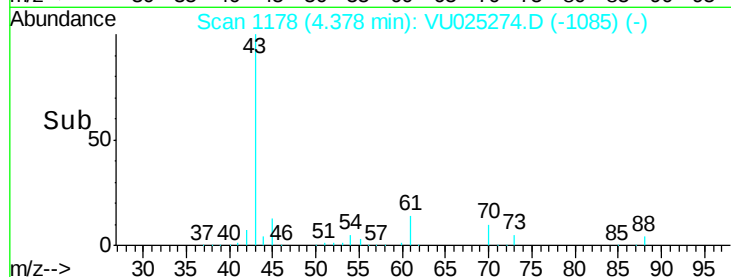
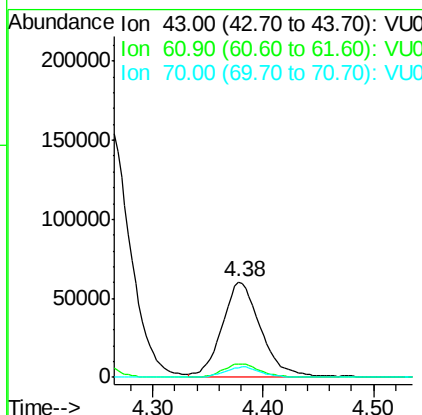
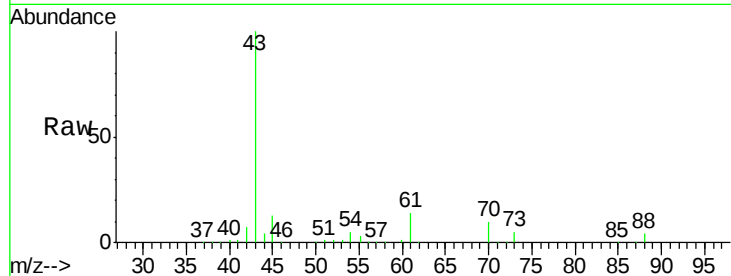
#37
Ethyl Acetate
Concen: 43.85 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	10.5	8.4	12.6

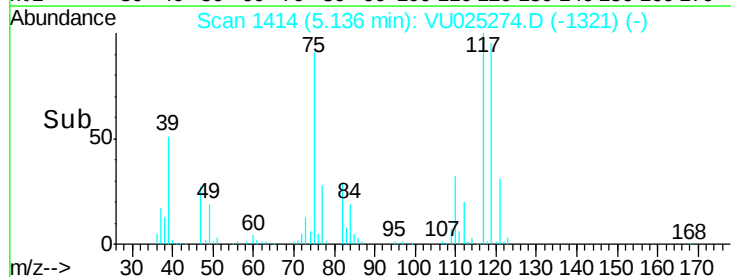
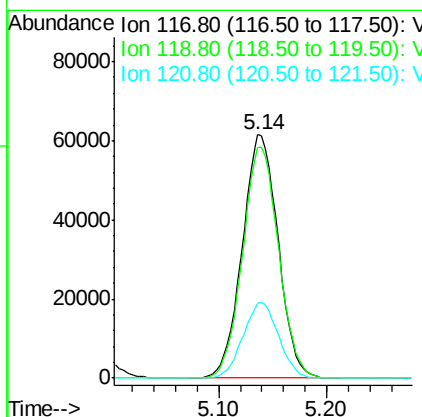
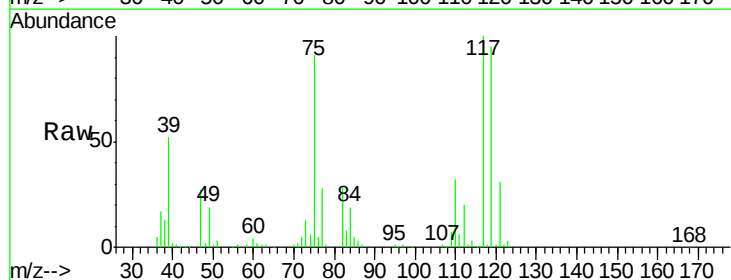
Manual Integrations
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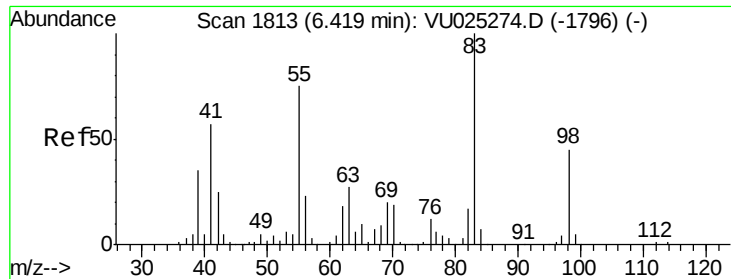
MMDadoda
7/10/2018 2:33:17 PM



#38
Carbon Tetrachloride
Concen: 44.98 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.7	113.5
121	30.7	24.6	36.8





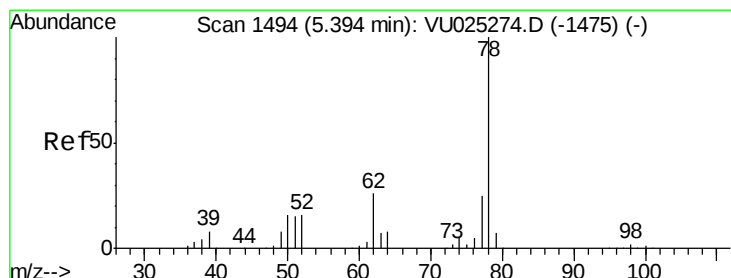
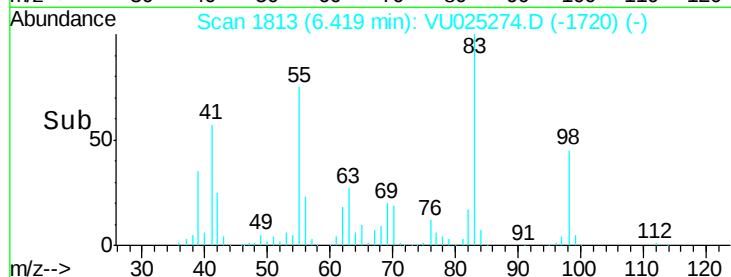
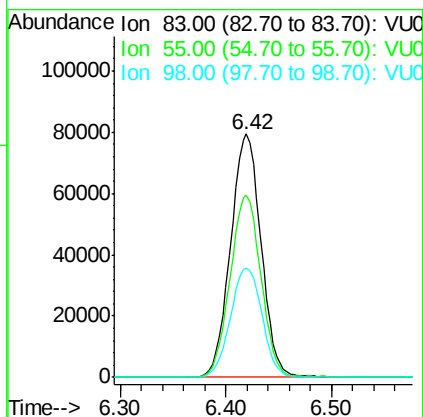
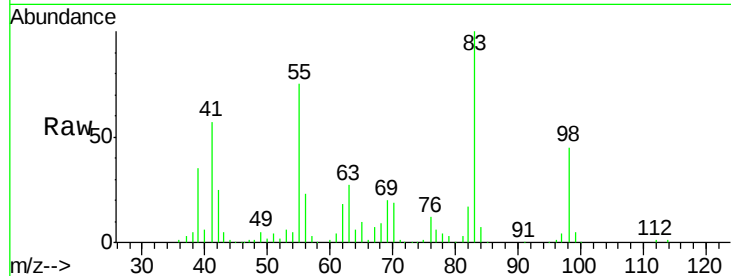
#39
Methvlcvclohexane
Concen: 43.49 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.0	60.0	90.0	
98	45.1	36.1	54.1	

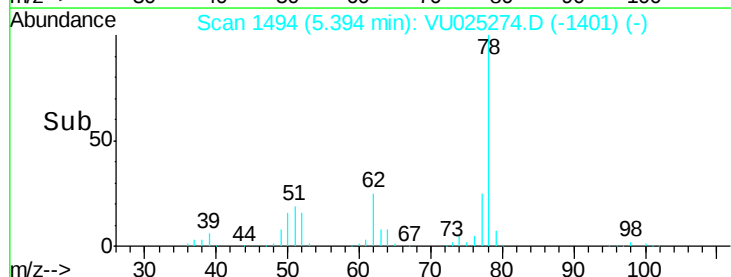
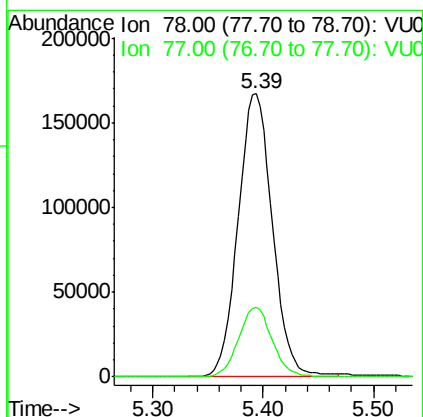
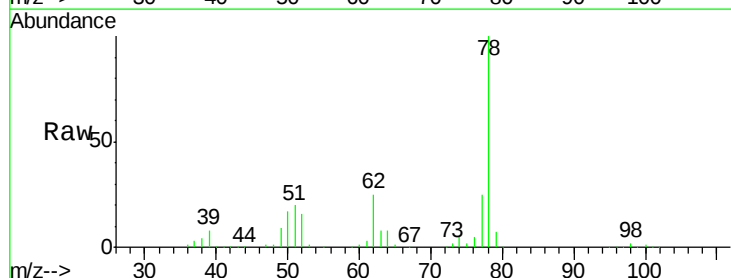
Manual Integrations
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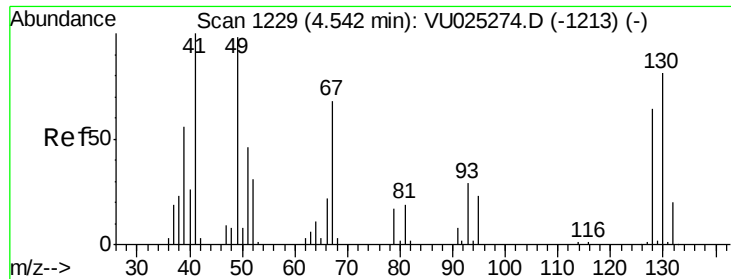
MMDadoda
7/10/2018 2:33:17 PM



#40
Benzene
Concen: 42.64 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.8	29.6	





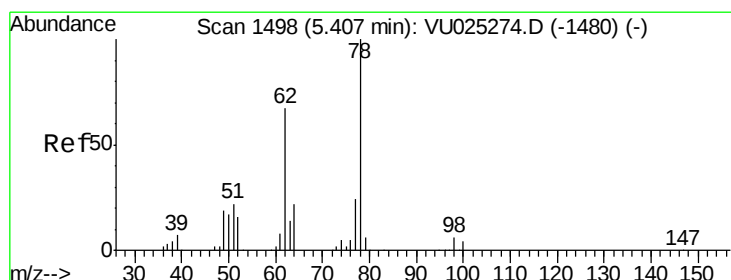
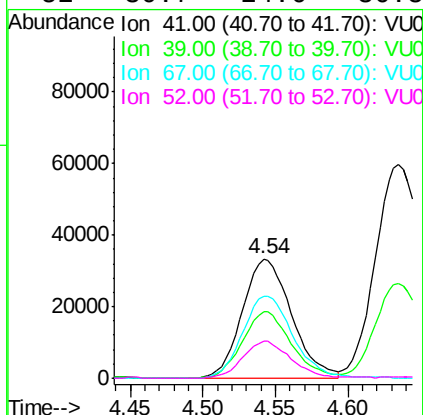
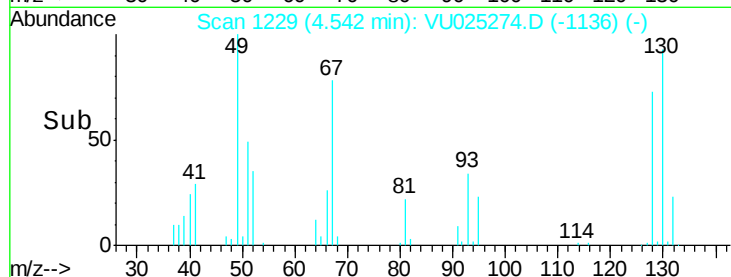
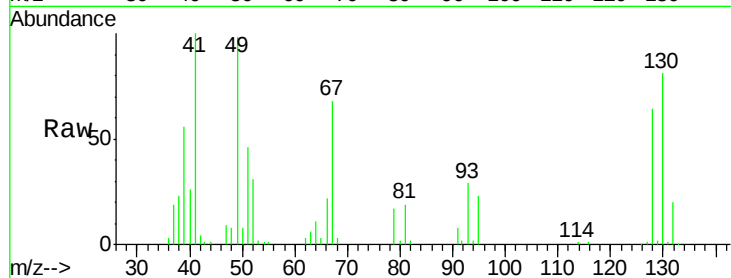
#41
Methacrylonitrile
Concen: 43.44 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	78729
Ion Ratio	Lower	Upper	
41	100		
39	55.5	44.4	66.6
67	70.0	56.0	84.0
52	30.7	24.6	36.8

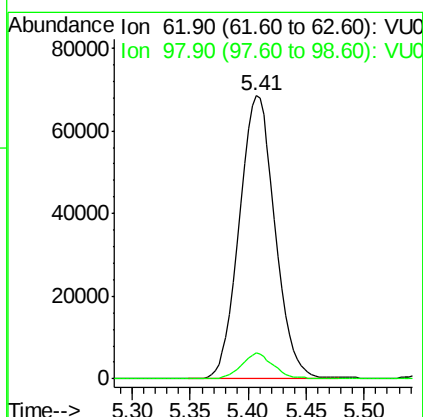
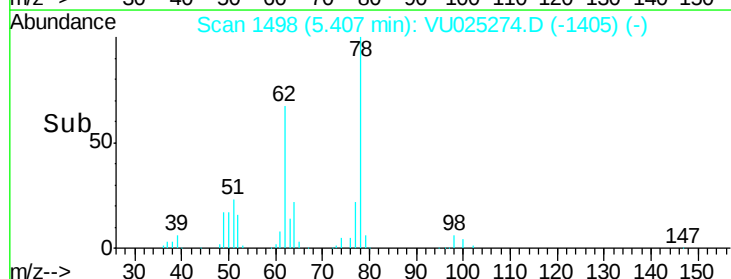
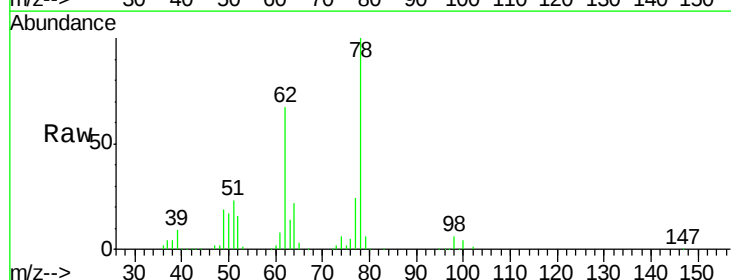
Manual Integrations
APPROVED

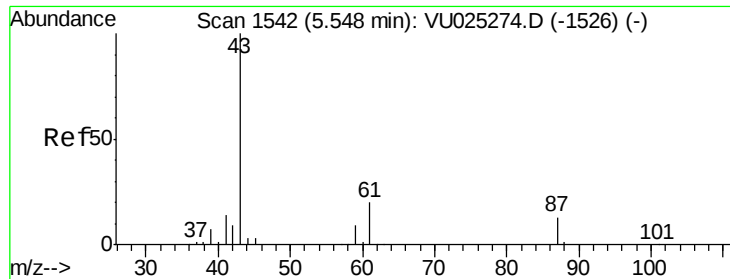
MMDadoda
7/10/2018 2:33:17 PM



#42
1,2-Dichloroethane
Concen: 43.77 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	62	Resp	146955
Ion Ratio	Lower	Upper	
62	100		
98	8.2	0.0	16.4





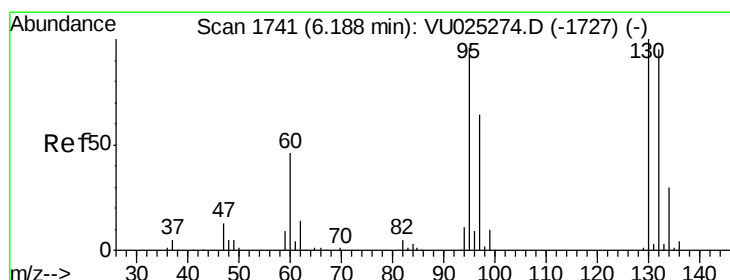
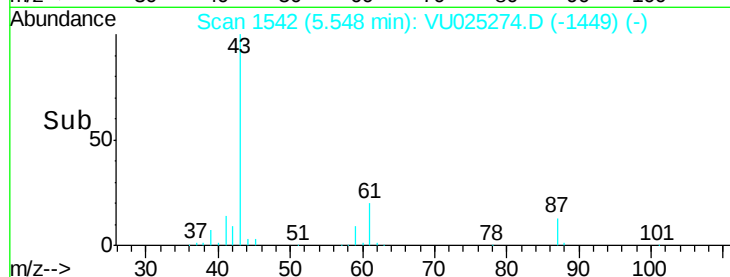
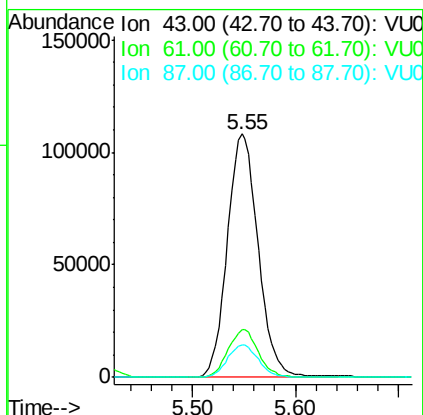
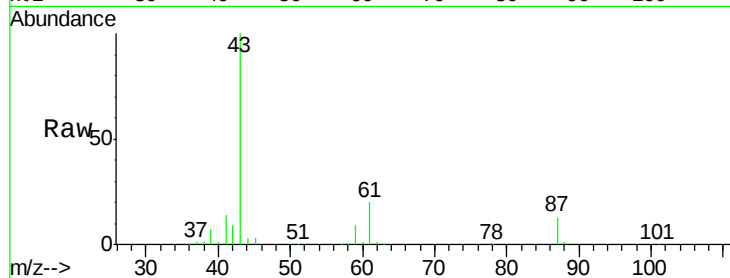
#43
Isopropyl Acetate
Concen: 43.19 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.5	23.3
87	13.3	10.6	16.0

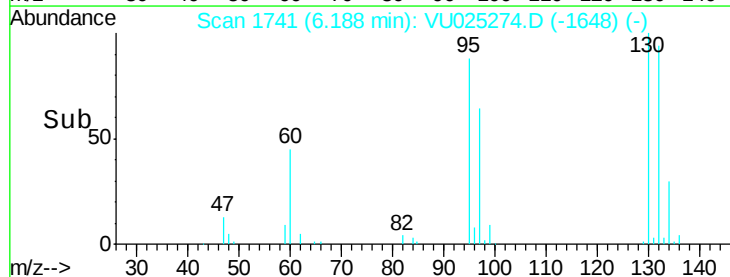
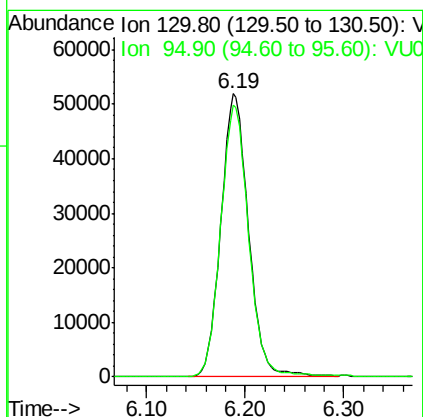
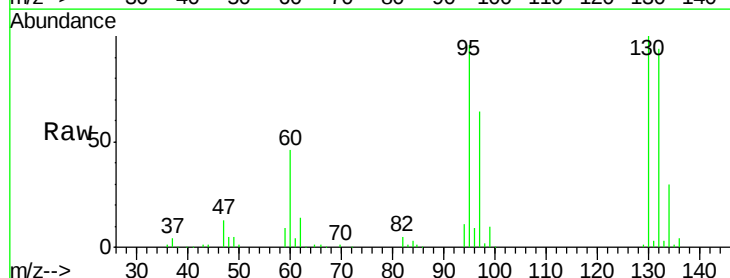
Manual Integrations
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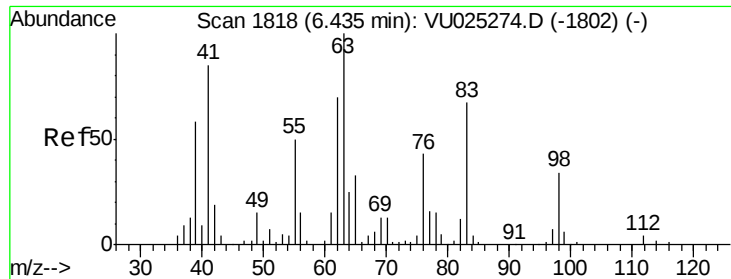
MMDadoda
7/10/2018 2:33:17 PM



#44
Trichloroethene
Concen: 42.04 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	192.2





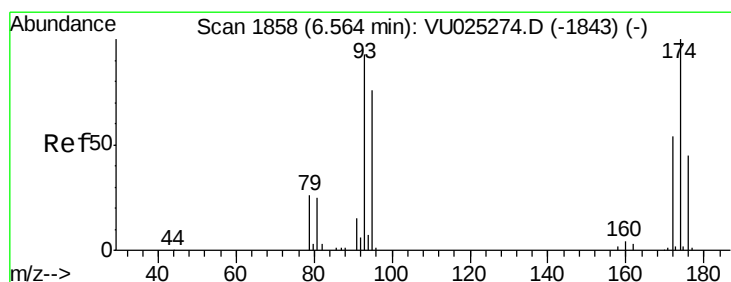
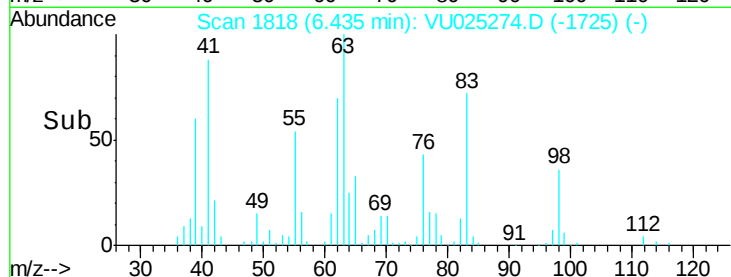
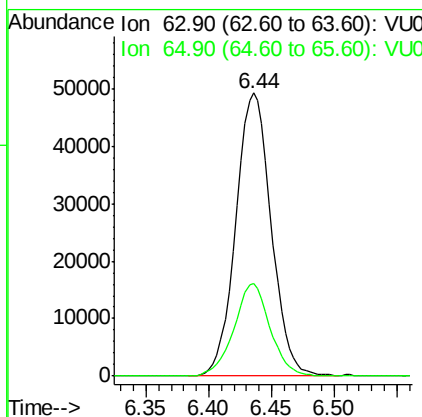
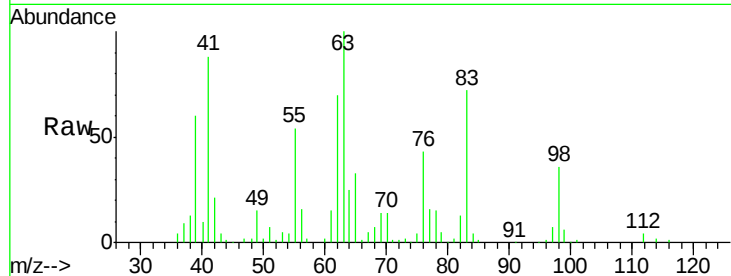
#45
 1,2-Dichloropropane
 Concen: 43.68 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 96617
 Ion Ratio Lower Upper
 63 100
 65 32.6 26.1 39.1

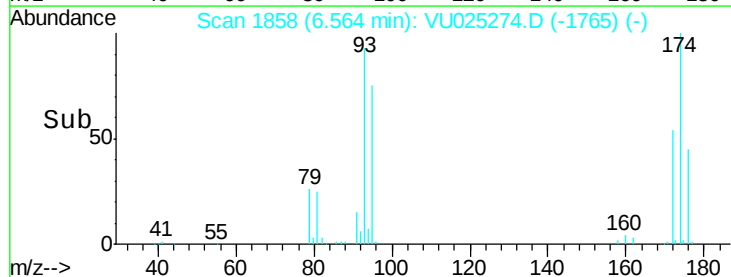
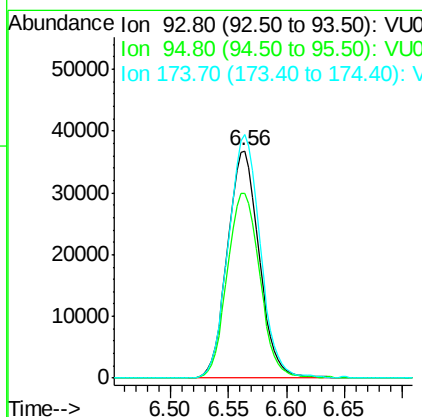
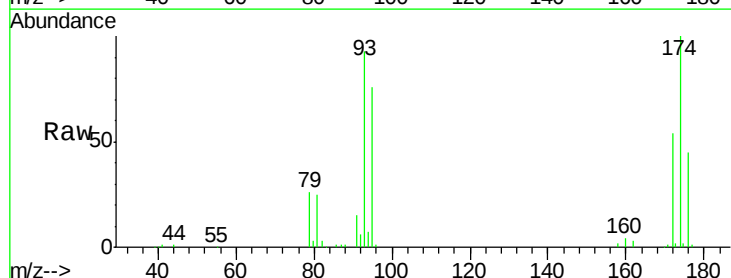
Manual Integrations
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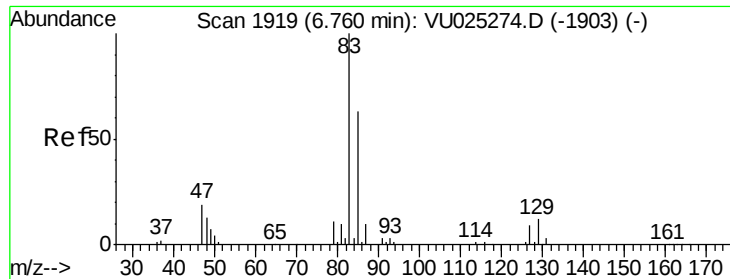
MMDadoda
 7/10/2018 2:33:17 PM



#46
 Dibromomethane
 Concen: 43.43 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion: 93 Resp: 69922
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.6 100.0
 174 107.3 85.8 128.8





#47

Bromodichloromethane

Concen: 45.04 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

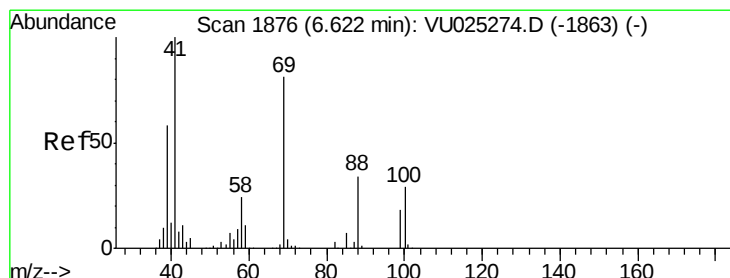
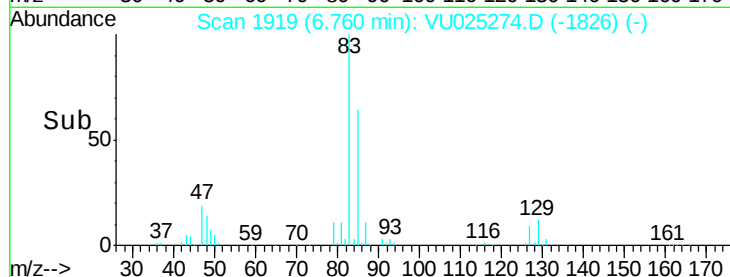
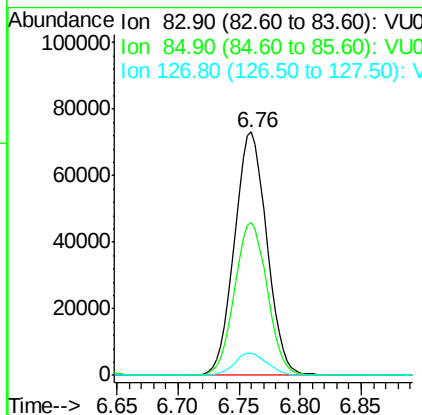
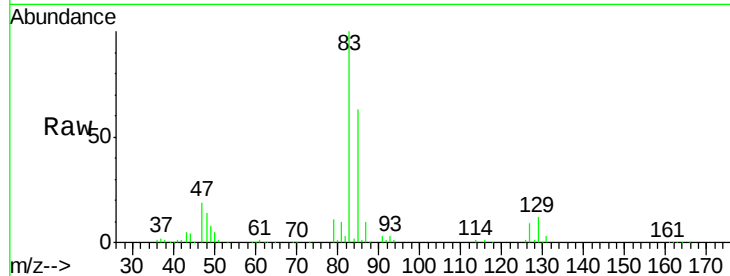
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	134697
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.2	75.4
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.07 ug/l

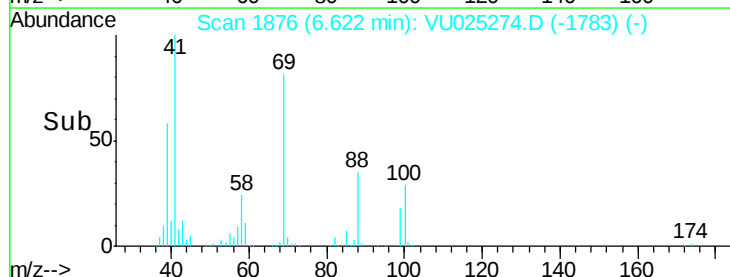
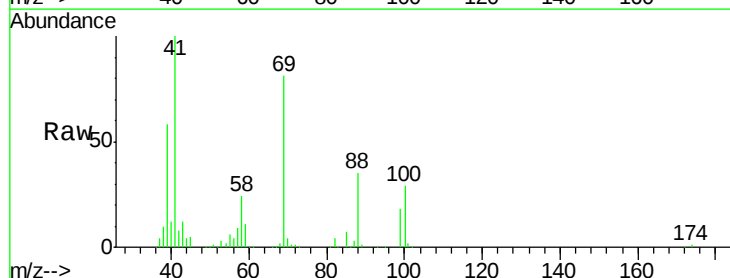
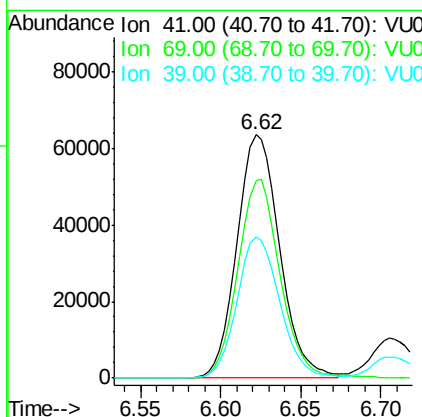
RT: 6.62 min Scan# 1876

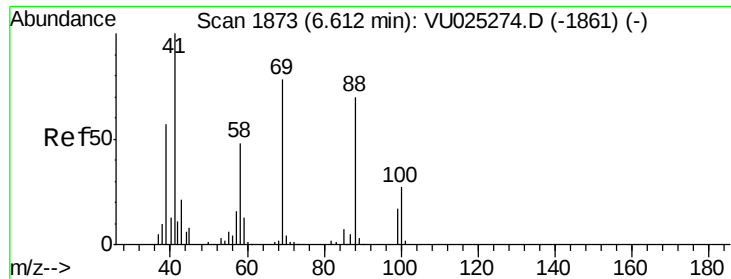
Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion:	41	Resp:	114982
Ion Ratio	Lower	Upper	
41	100		
69	81.2	65.0	97.4
39	58.0	46.4	69.6





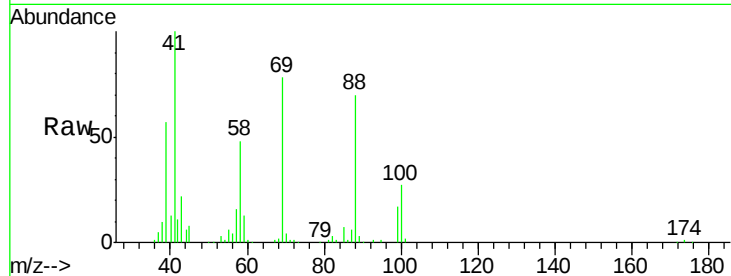
#49
1,4-Dioxane
Concen: 865.95 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

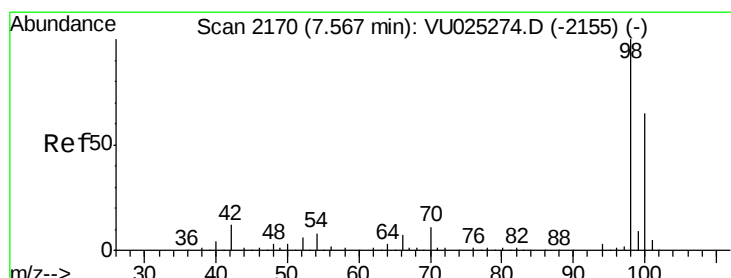
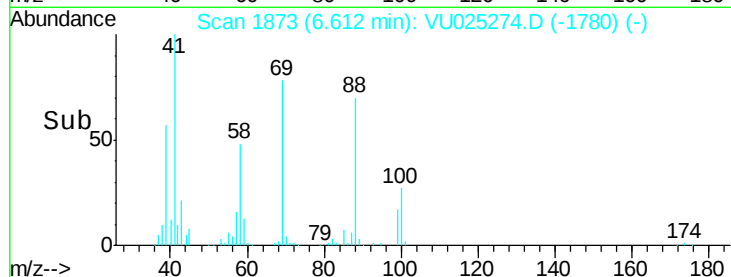
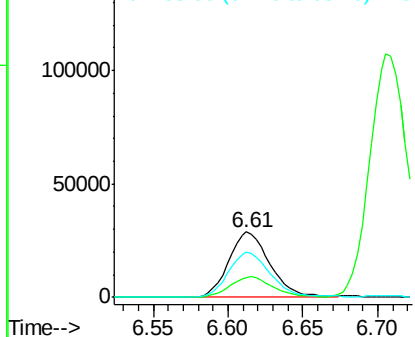
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	27.3	40.9
58	72.0	57.6	86.4

Manual Integrations
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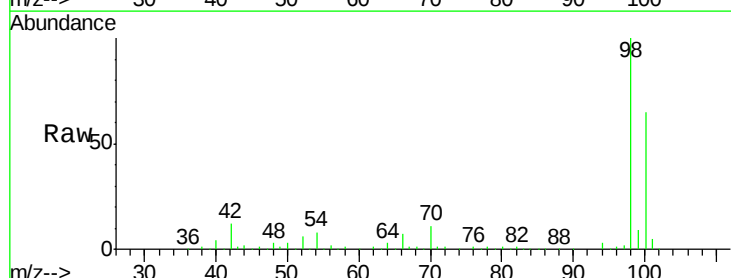


Abundance Ion 88.00 (87.70 to 88.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0

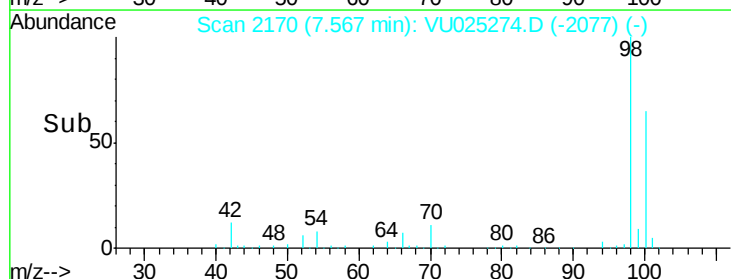
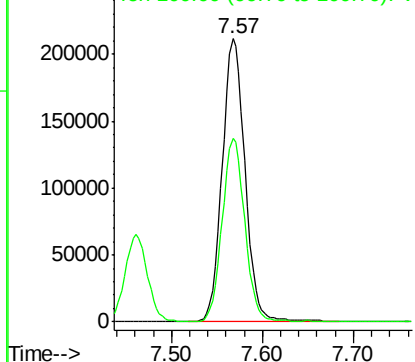


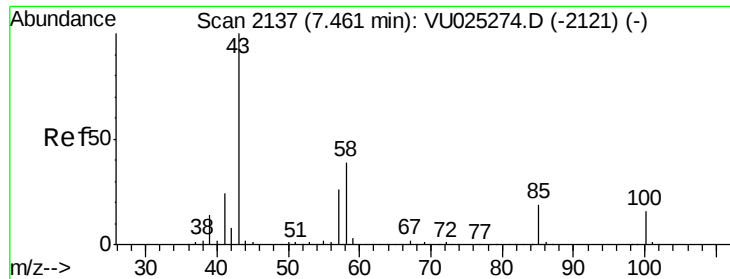
#50
Toluene-d8
Concen: 48.56 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.1	76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 212.90 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 724282

Ion Ratio Lower Upper

43 100

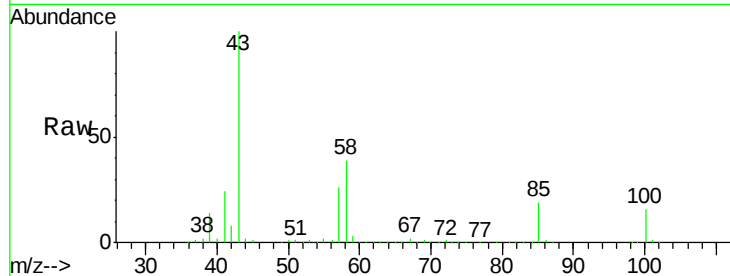
58 38.7 31.0 46.4

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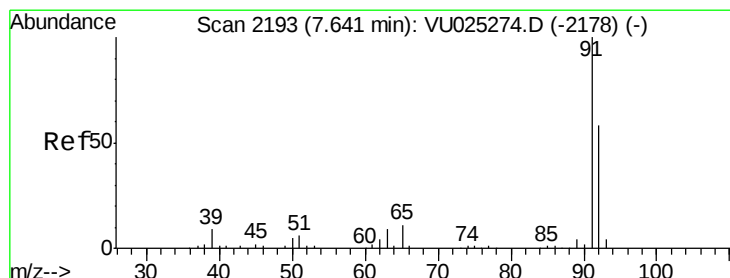
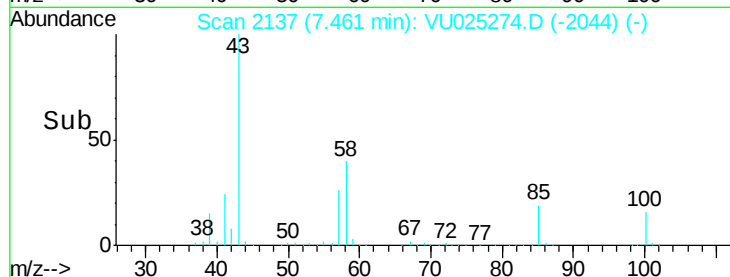
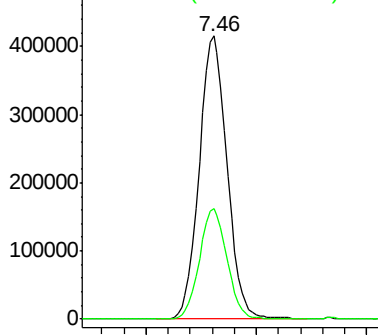
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 43.57 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025274.D

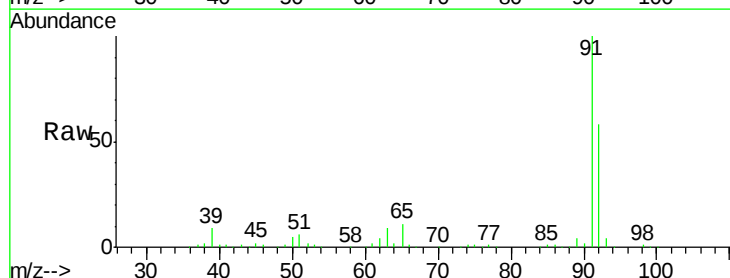
Acq: 09 Jul 2018 15:22

Tgt Ion: 92 Resp: 234119

Ion Ratio Lower Upper

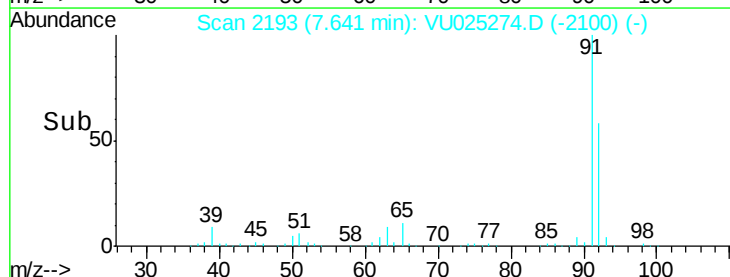
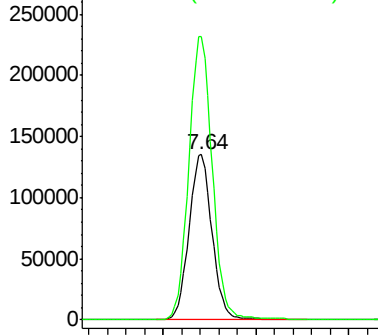
92 100

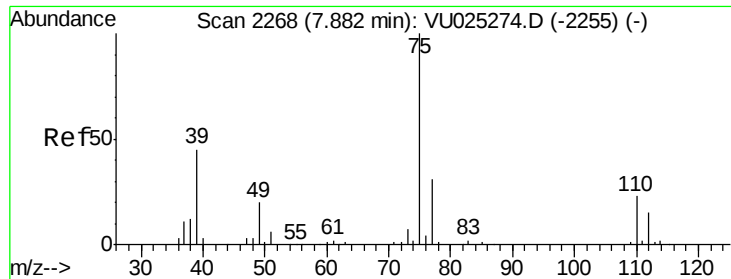
91 174.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





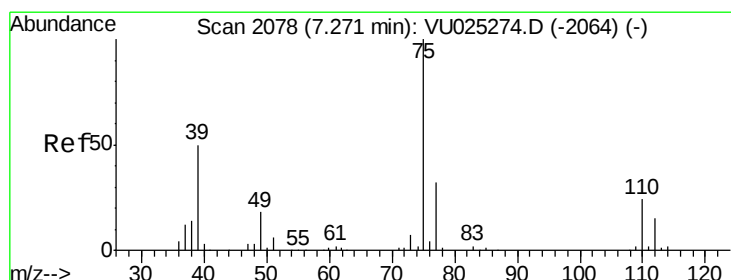
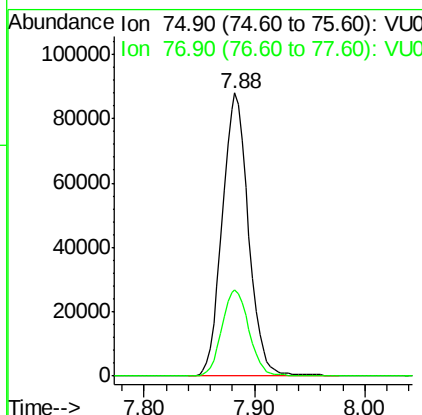
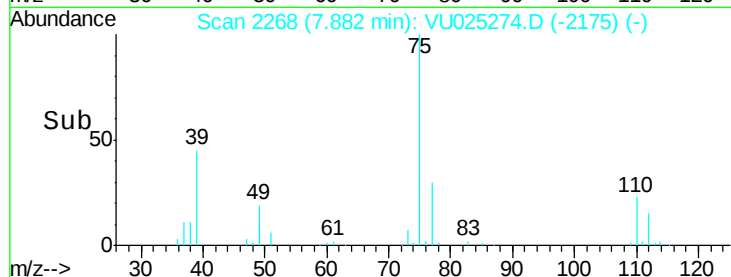
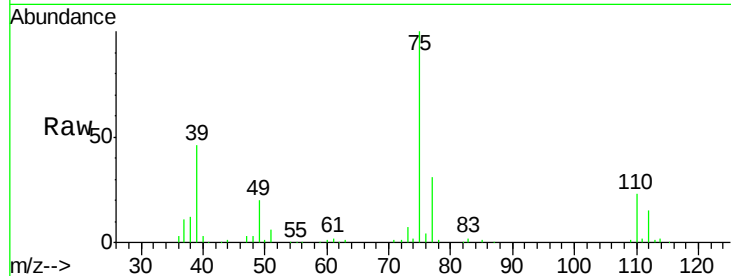
#53
 t-1,3-Dichloropropene
 Concen: 44.30 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 145560
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7

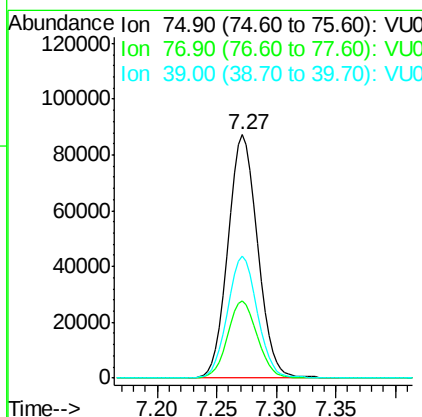
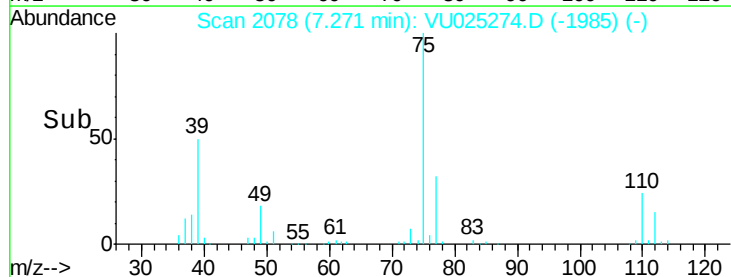
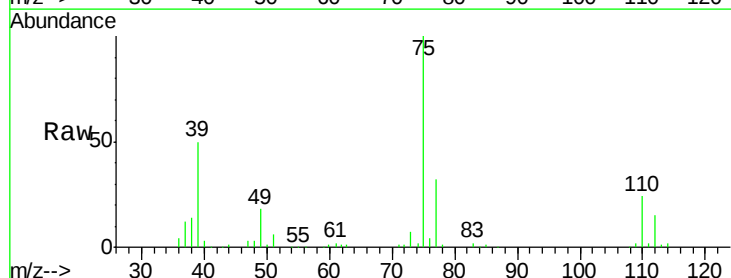
Manual Integrations
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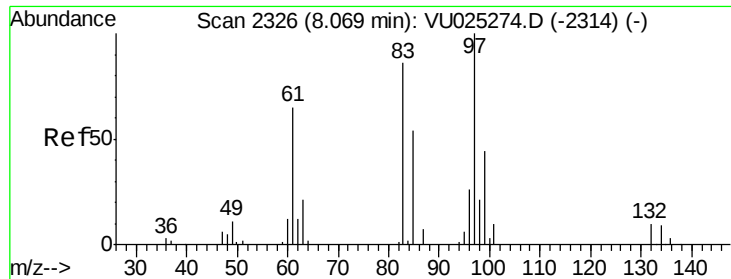
MMDadoda
 7/10/2018 2:33:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 43.34 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion: 75 Resp: 151572
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4
 39 50.0 40.0 60.0





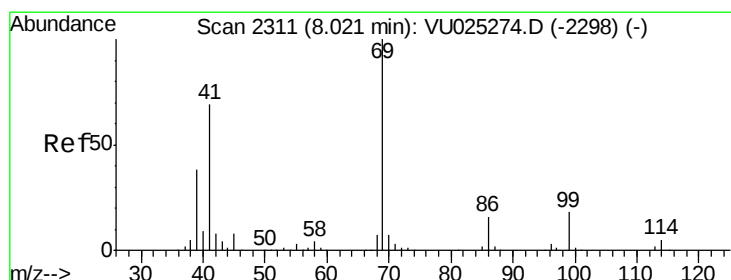
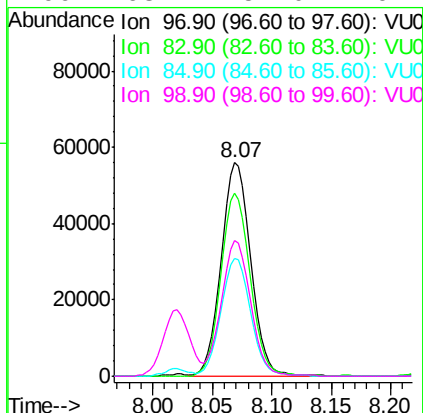
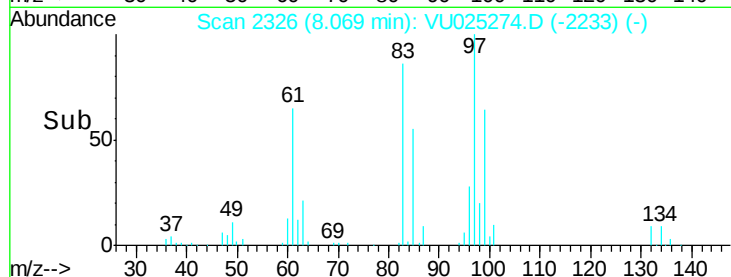
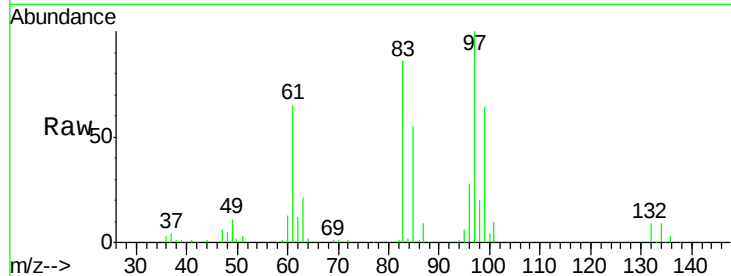
#55
 1,1,2-Trichloroethane
 Concen: 42.88 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		95957		
83	86.1	68.9	103.3		
85	55.5	44.4	66.6		
99	63.7	51.0	76.4		

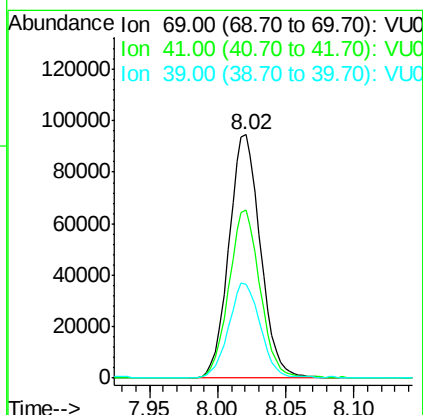
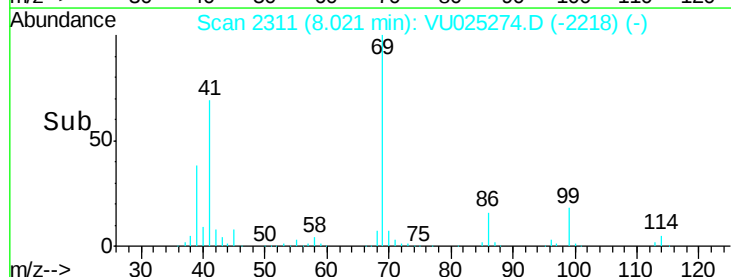
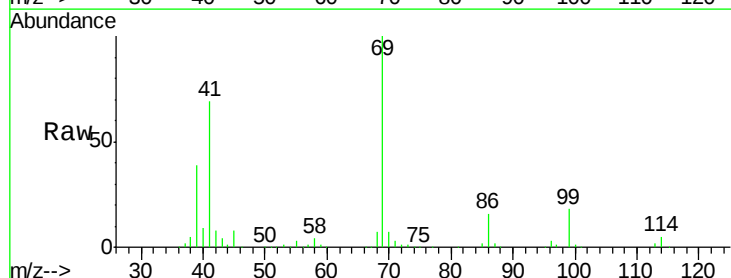
Manual Integrations
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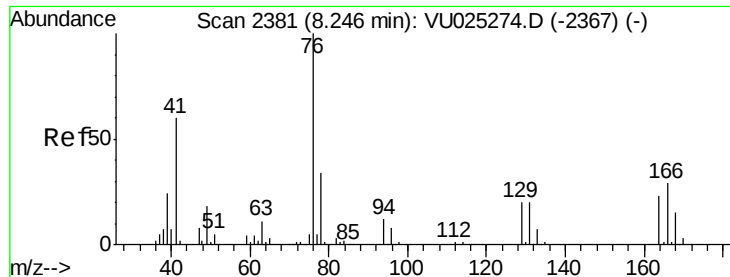
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 43.46 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		151898		
41	68.5	54.8	82.2		
39	38.9	31.1	46.7		





#57

1,3-Dichloropropane

Concen: 43.64 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tot Ion: 76 Resp: 162142

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1

Instrument :

MSVOA_U

ClientSampleId :

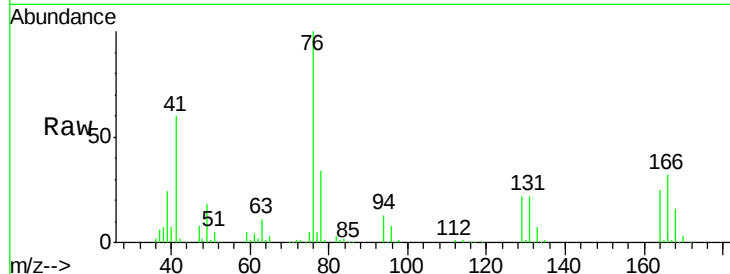
VSTDICCC050

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

100000

80000

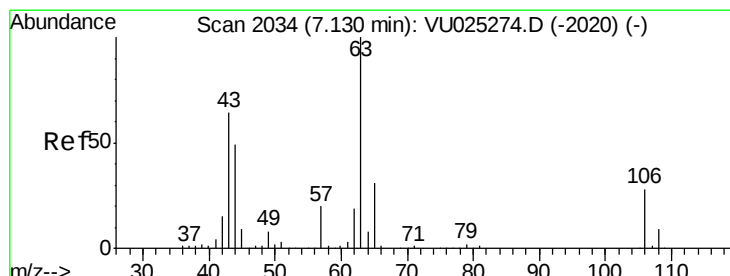
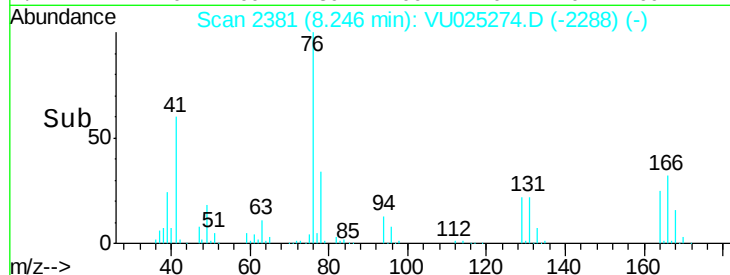
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 283.13 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU025274.D

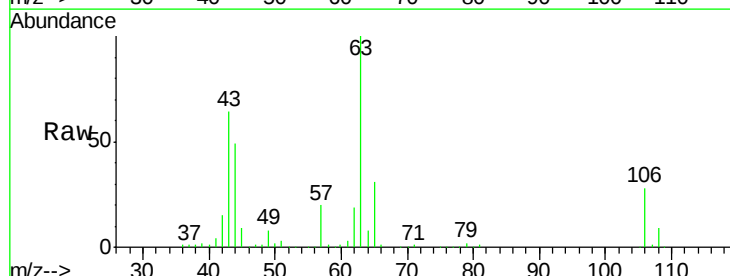
Acq: 09 Jul 2018 15:22

Tgt Ion: 63 Resp: 349216

Ion Ratio Lower Upper

63 100

106 27.9 22.3 33.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

250000

200000

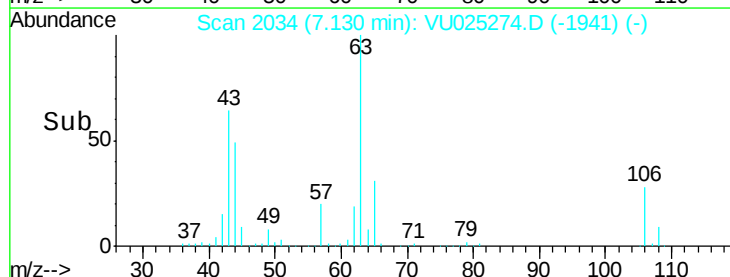
150000

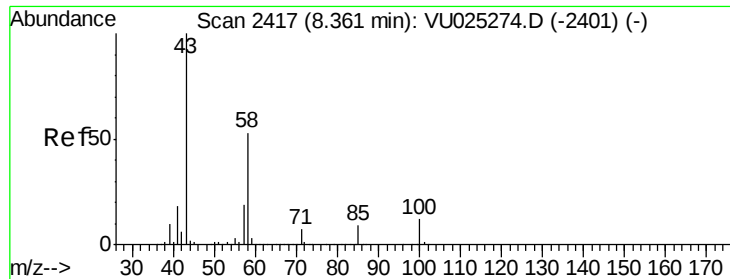
100000

50000

0

Time-->





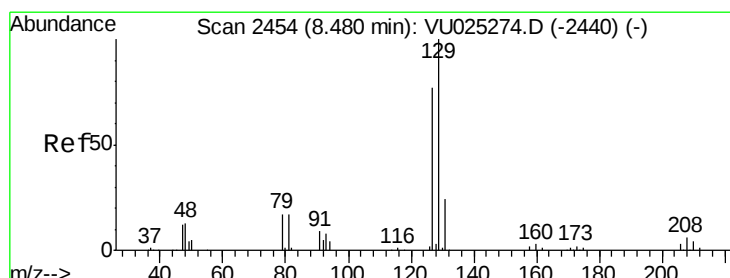
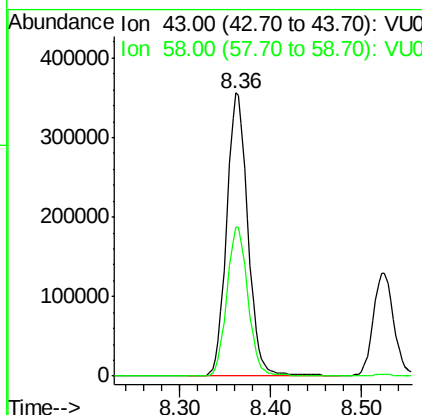
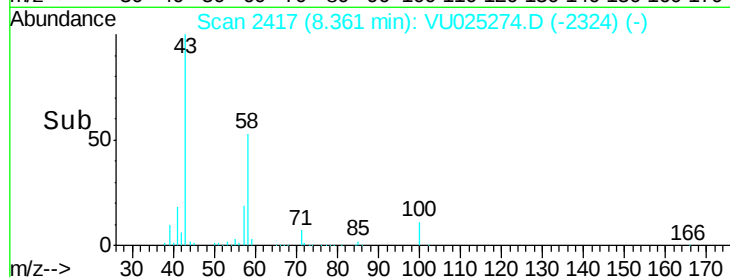
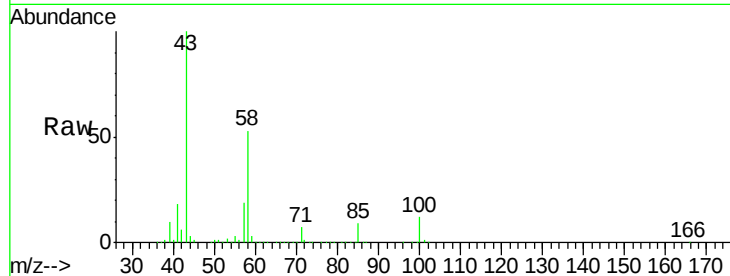
#59
2-Hexanone
Concen: 209.39 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 577790
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.5

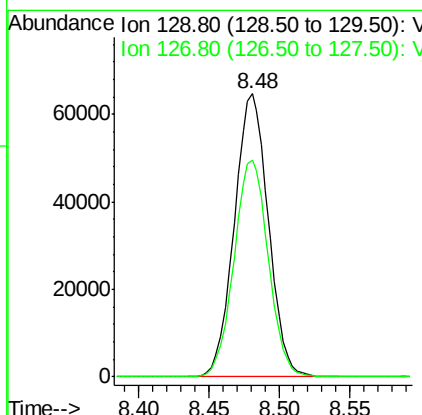
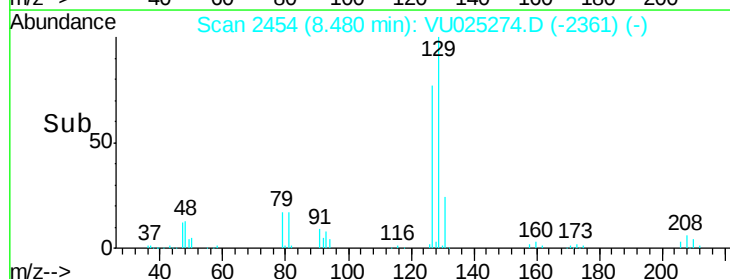
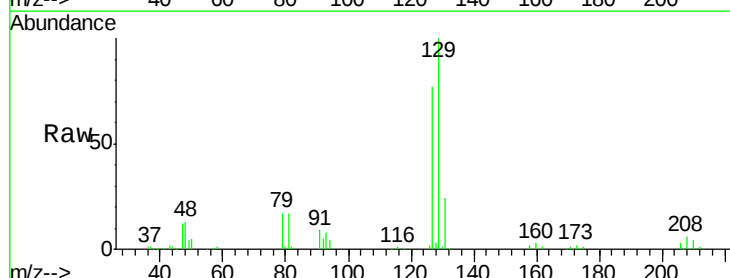
Manual Integrations
APPROVED

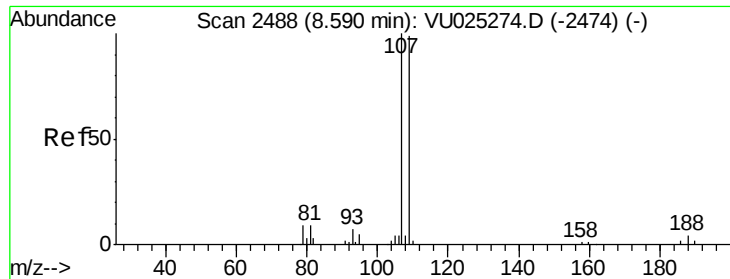
MMDadoda
7/10/2018 2:33:17 PM



#60
Dibromochloromethane
Concen: 45.25 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion: 129 Resp: 109368
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 44.05 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 105476

Ion Ratio Lower Upper

107 100

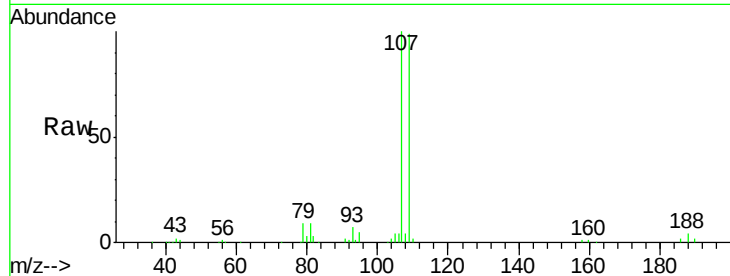
109 94.8 75.8 113.8

Manual Integrations

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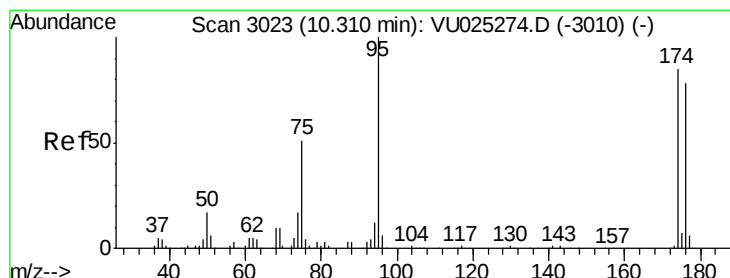
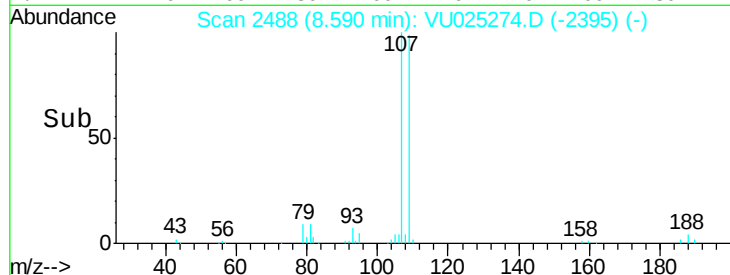
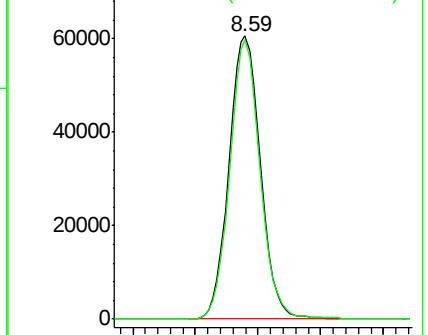
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.67 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

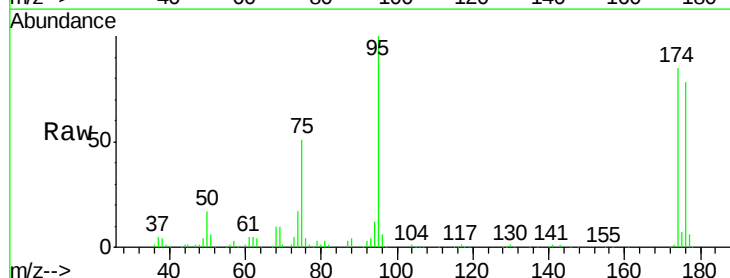
Tgt Ion: 95 Resp: 152276

Ion Ratio Lower Upper

95 100

174 86.1 0.0 172.2

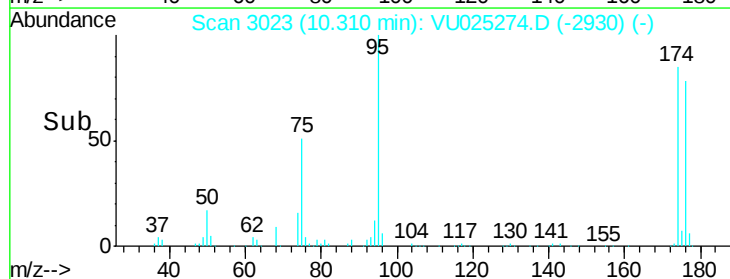
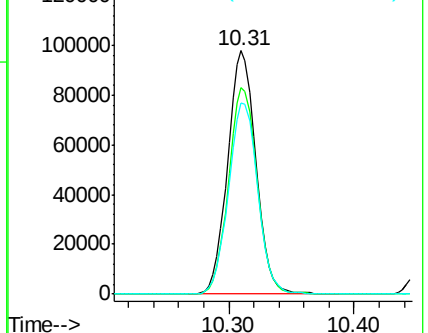
176 81.3 0.0 162.6

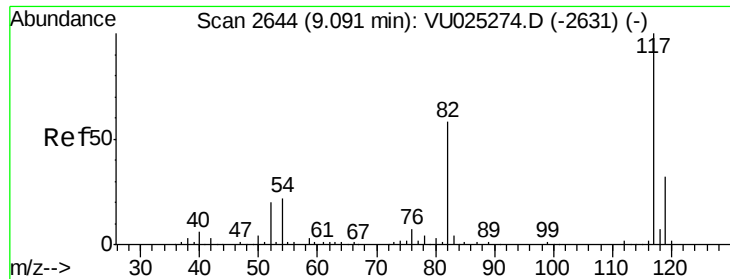


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





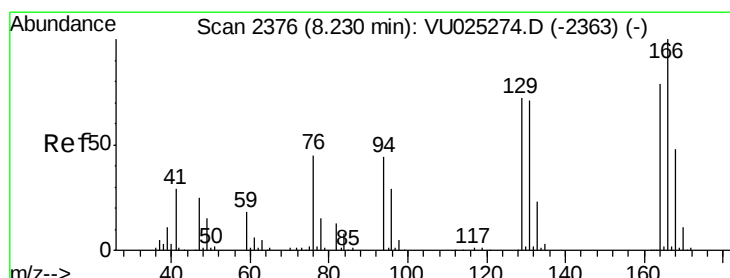
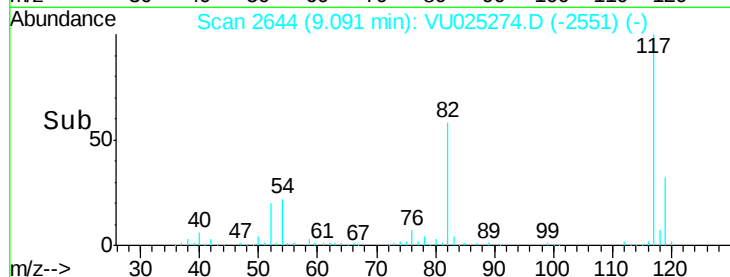
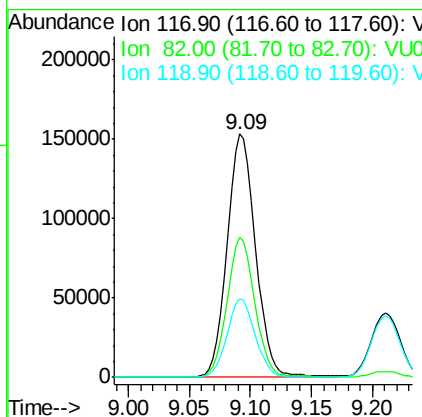
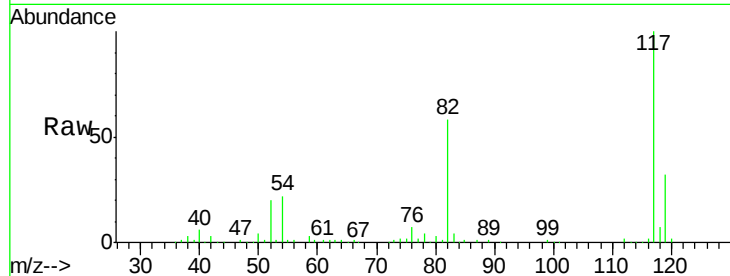
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	250450		
82	57.5	46.0	69.0	
119	32.5	26.0	39.0	

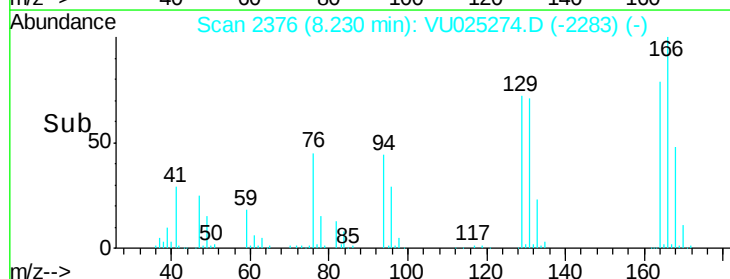
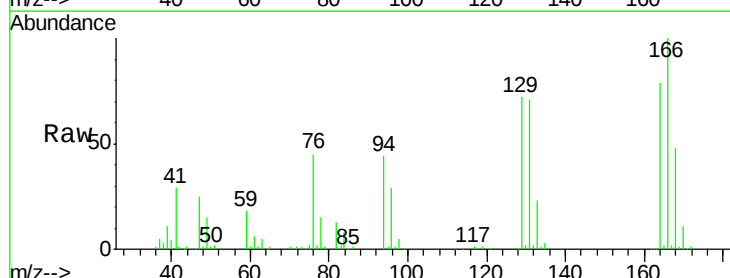
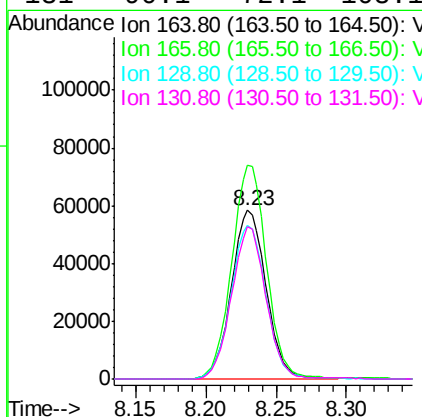
Manual Integrations
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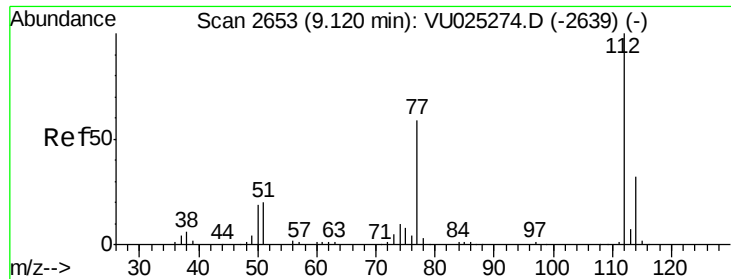
MMDadoda
7/10/2018 2:33:17 PM



#64
Tetrachloroethene
Concen: 44.19 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100892		
166	126.4	101.1	151.7	
129	91.3	73.0	109.6	
131	90.1	72.1	108.1	





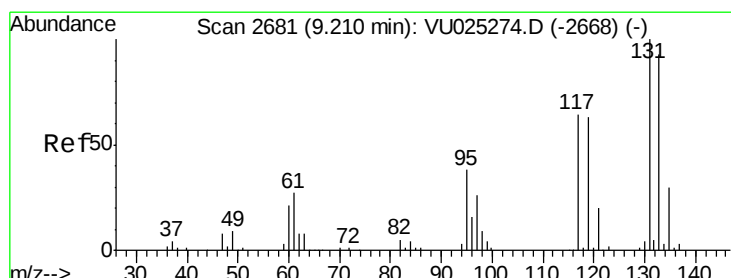
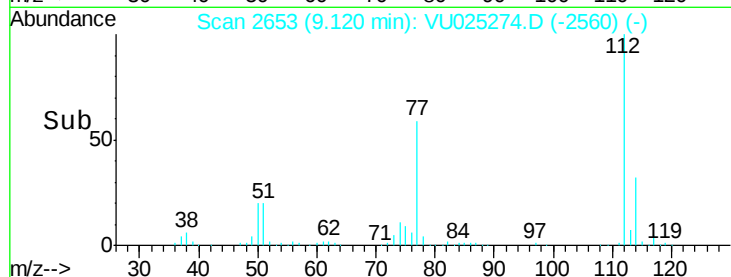
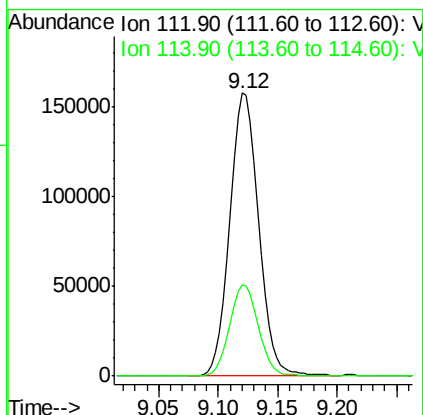
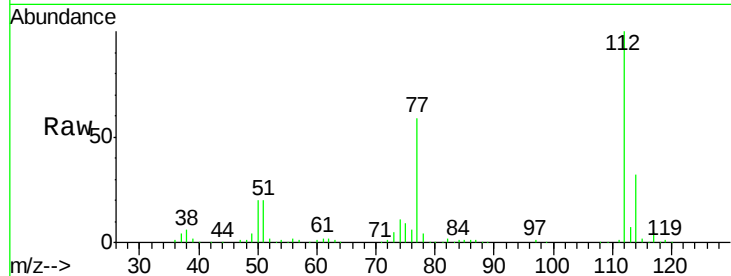
#65
Chlorobenzene
Concen: 42.62 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 266630
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

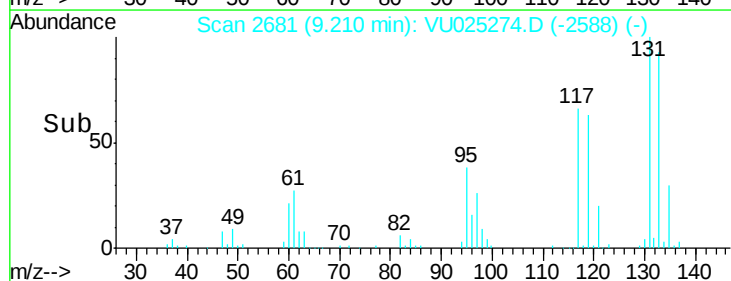
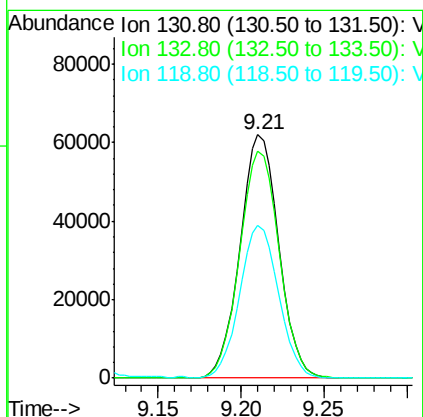
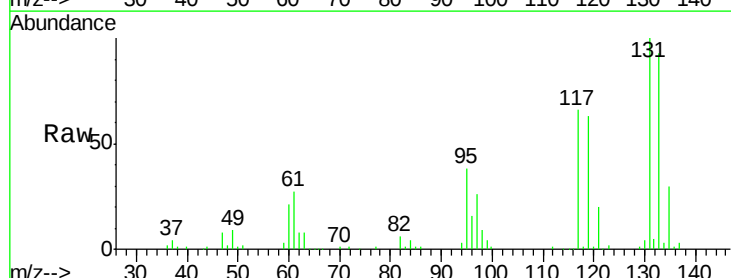
Manual Integrations
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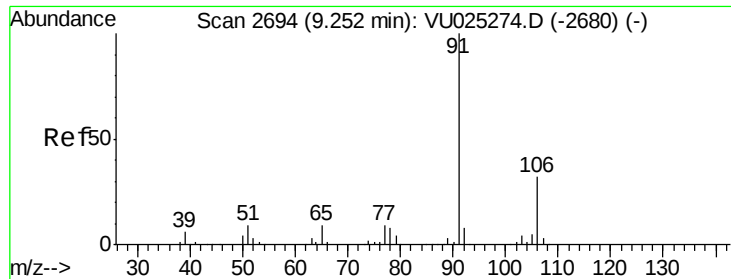
MMDadoda
7/10/2018 2:33:17 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 44.94 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion:131 Resp: 100571
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 63.3 31.6 95.0





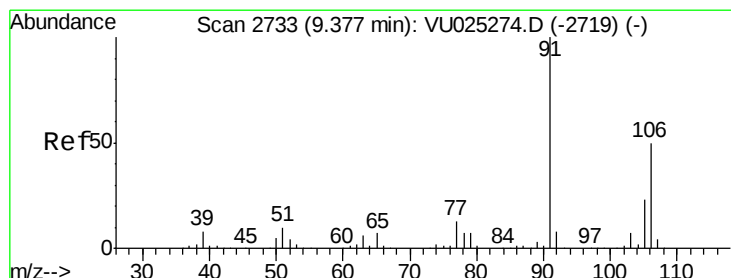
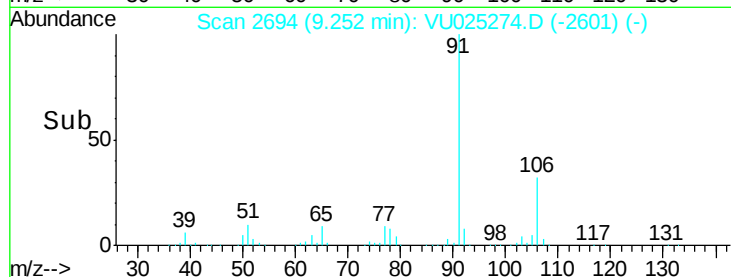
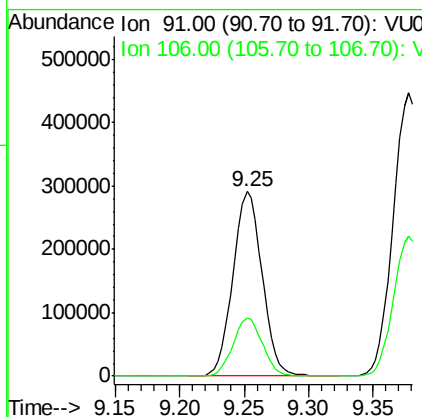
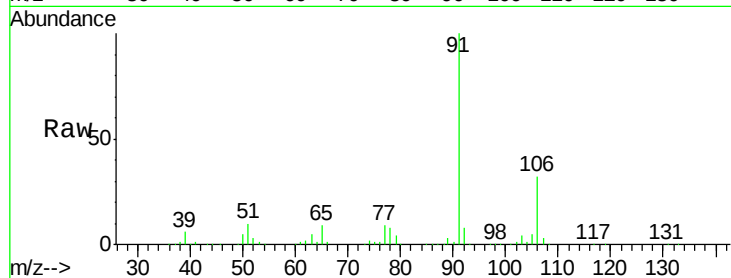
#67
Ethyl Benzene
Concen: 43.24 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 461230
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

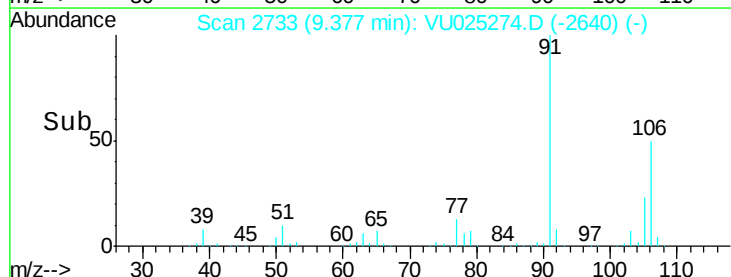
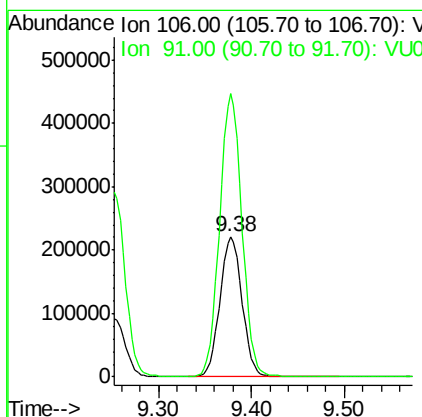
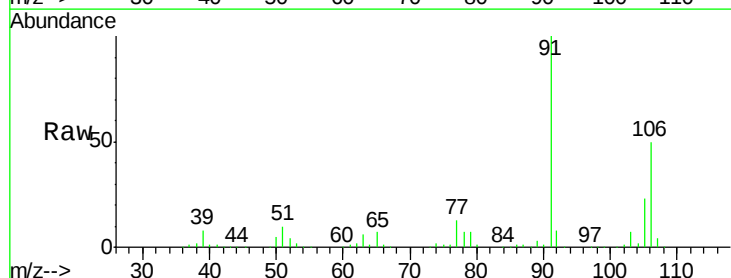
Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#68
m/p-Xylenes
Concen: 88.86 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion: 106 Resp: 366416
Ion Ratio Lower Upper
106 100
91 202.9 162.3 243.5





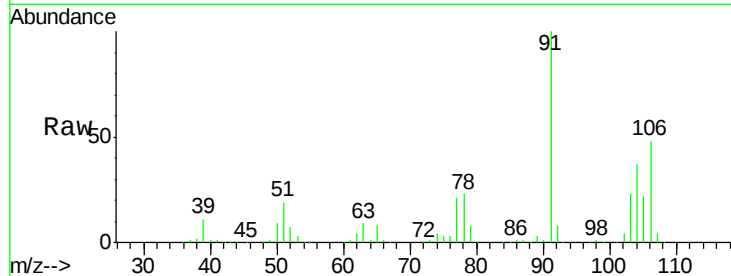
#69
o-Xylene
Concen: 44.08 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampled :
VSTDICCC050

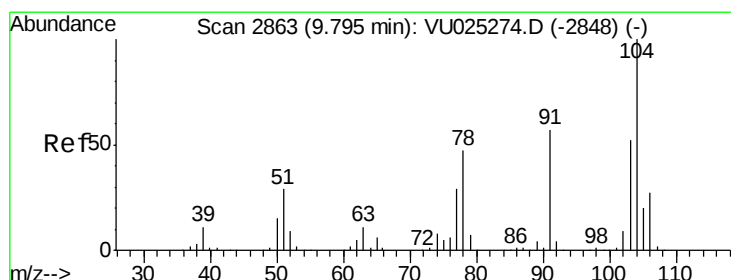
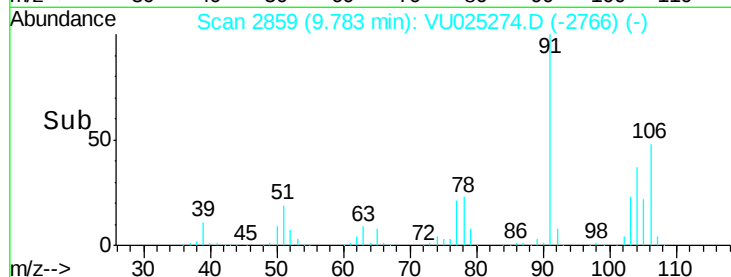
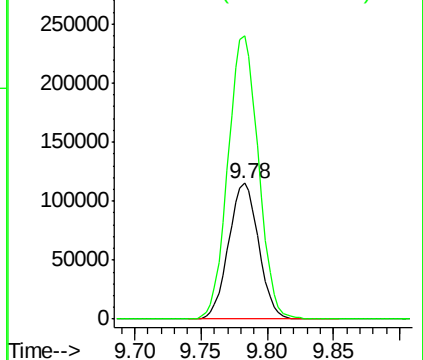
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.5	105.3	315.8	

Manual Integrations
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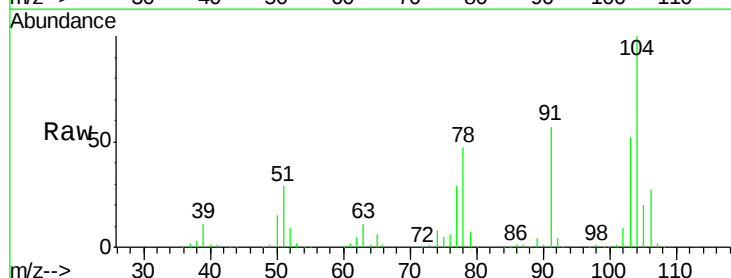


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

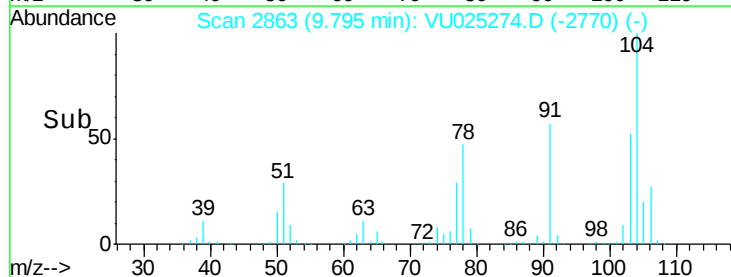
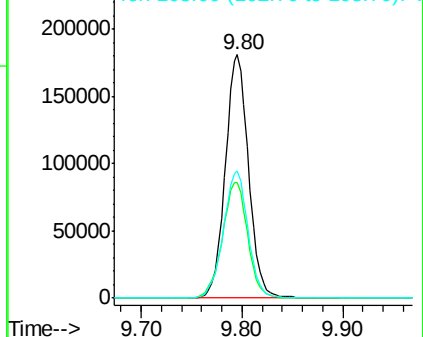


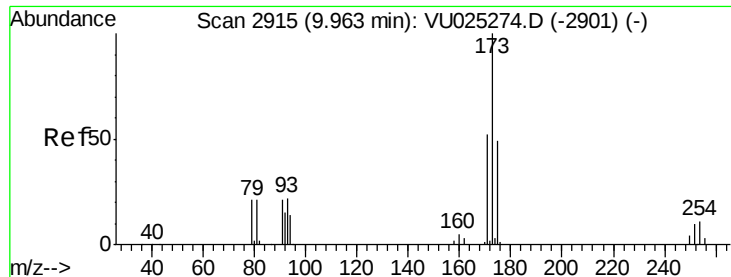
#70
Styrene
Concen: 44.35 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.0	41.6	62.4	
103	55.7	44.6	66.8	



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





#71

Bromoform

Concen: 44.24 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 85627

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

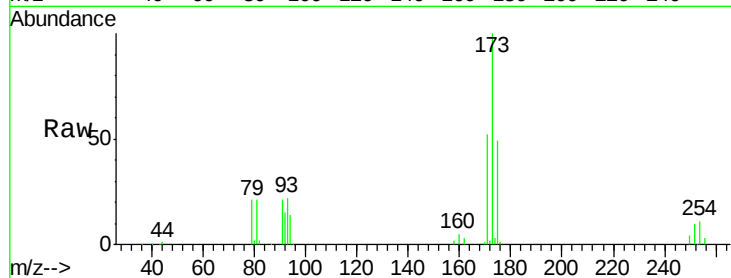
254 0.0 0.0 0.0

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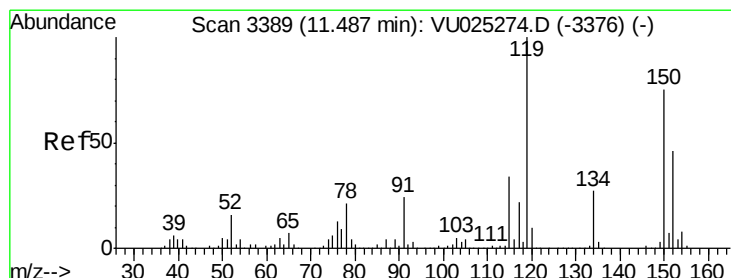
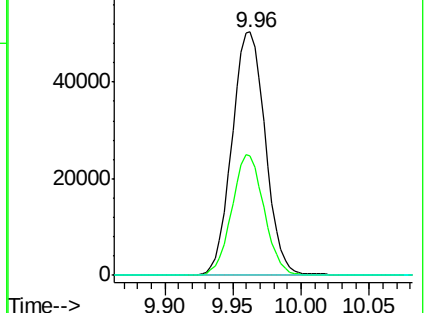
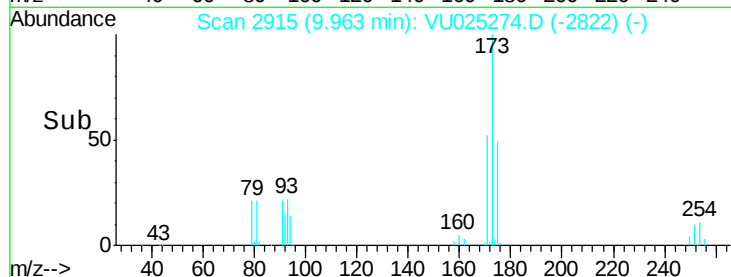
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

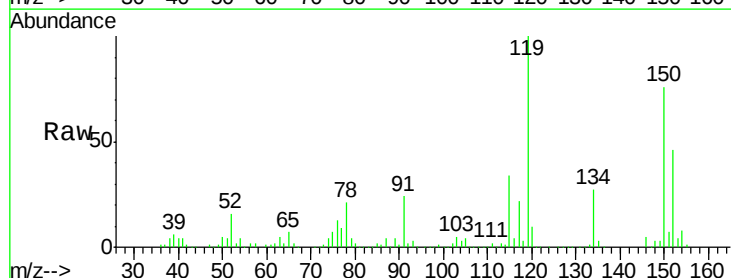
Tgt Ion:152 Resp: 149713

Ion Ratio Lower Upper

152 100

115 80.2 40.1 120.3

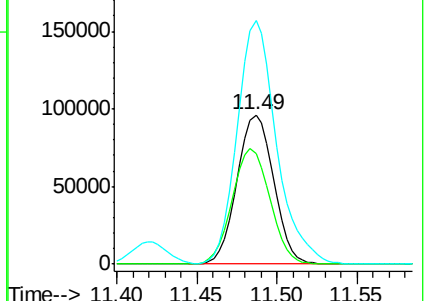
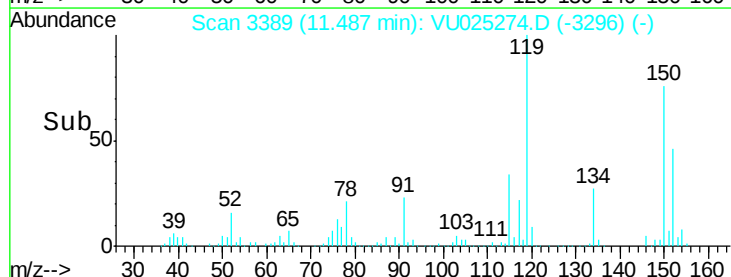
150 175.7 0.0 351.4



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: 42.38 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 484798

Ion Ratio Lower Upper

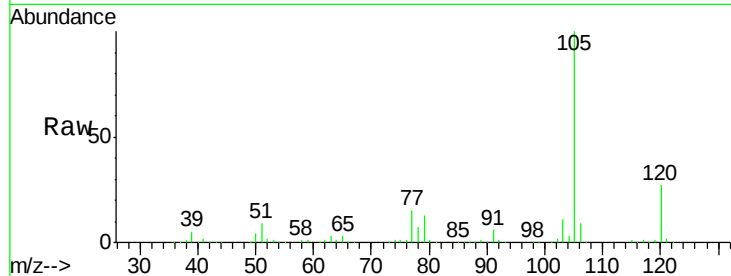
105 100

120 27.0 13.5 40.5

Manual Integrations
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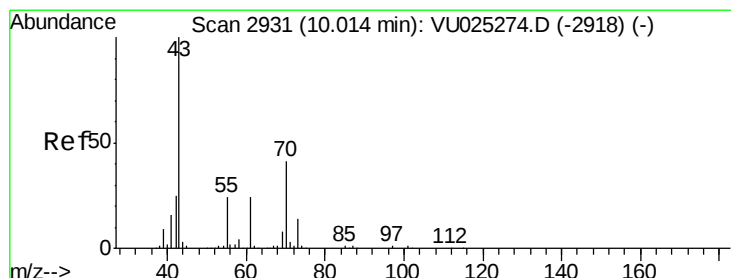
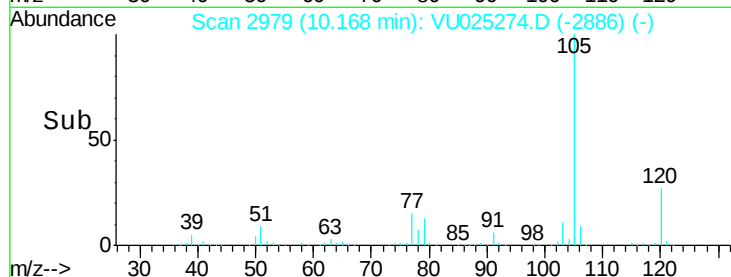
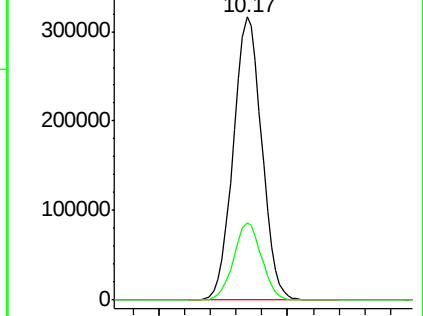
MMDadoda

7/10/2018 2:33:17 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 40.65 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion: 43 Resp: 201879

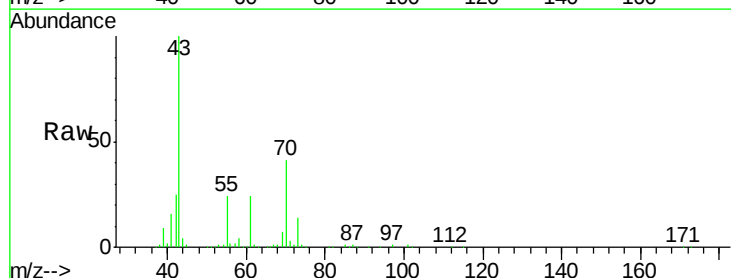
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.2

55 23.8 19.0 28.6

61 24.1 19.3 28.9

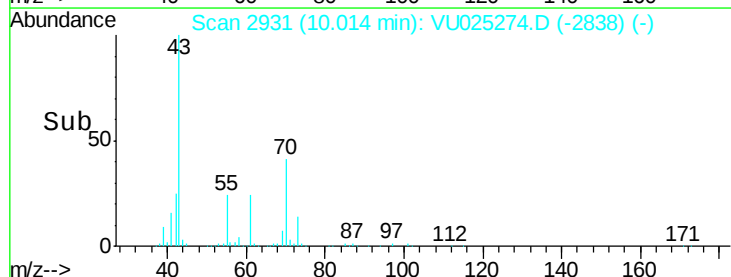
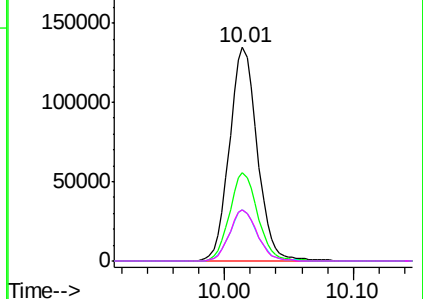


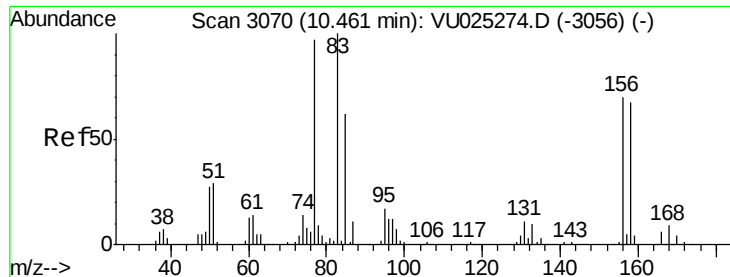
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#75

1,1,2,2-Tetrachloroethane

Concen: 42.15 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 157753

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

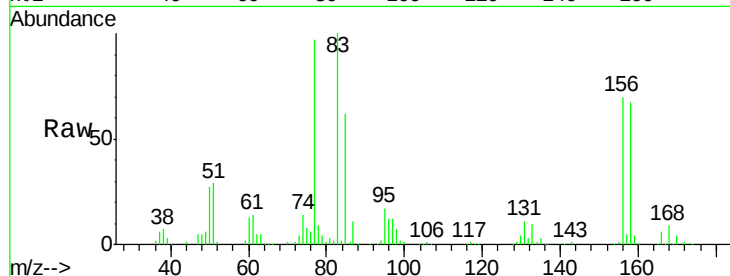
85 63.2 31.6 94.8

Manual Integrations

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MMDadoda

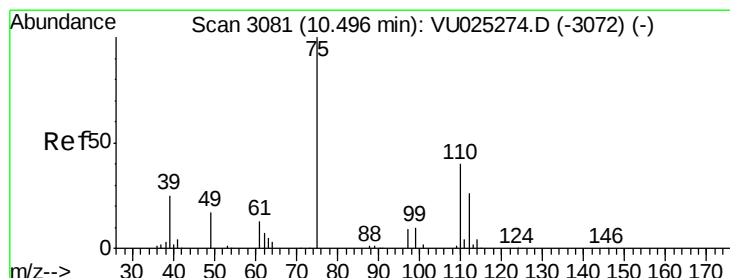
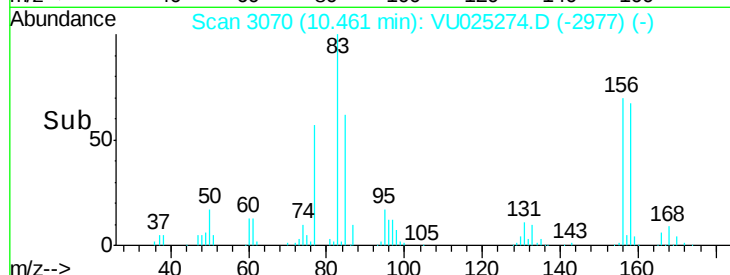
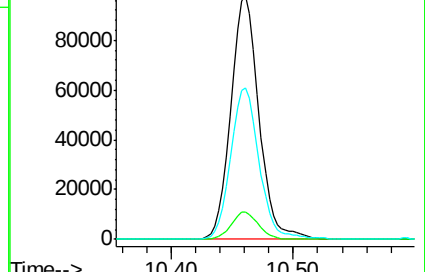
7/10/2018 2:33:17 PM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 40.03 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025274.D

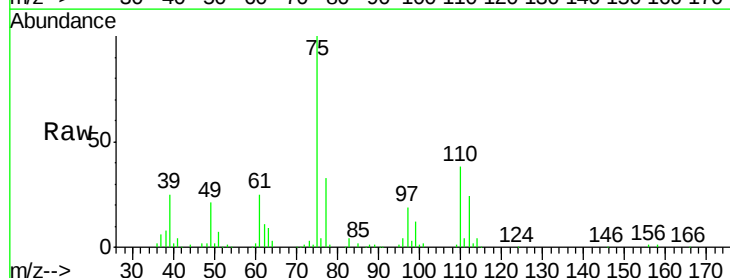
Acq: 09 Jul 2018 15:22

Tgt Ion: 75 Resp: 135197

Ion Ratio Lower Upper

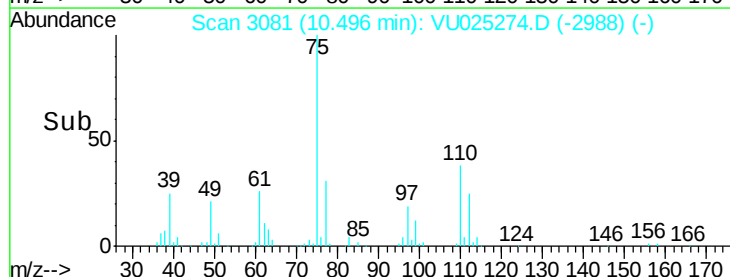
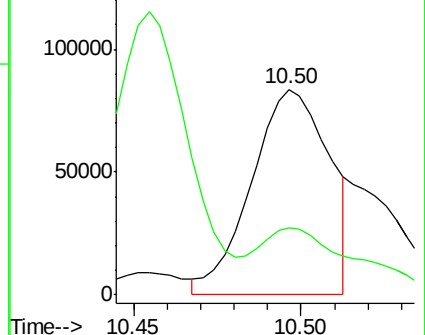
75 100

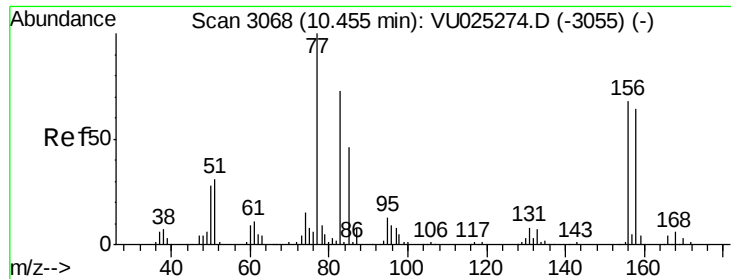
77 40.9 20.4 61.3



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 42.62 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

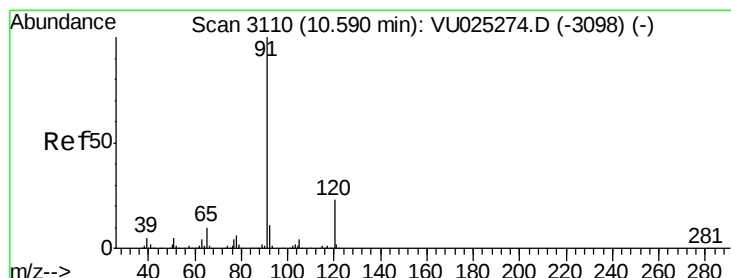
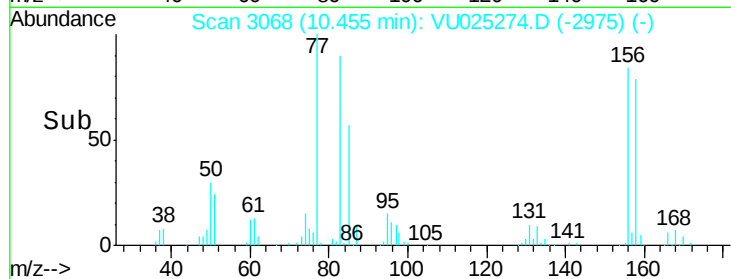
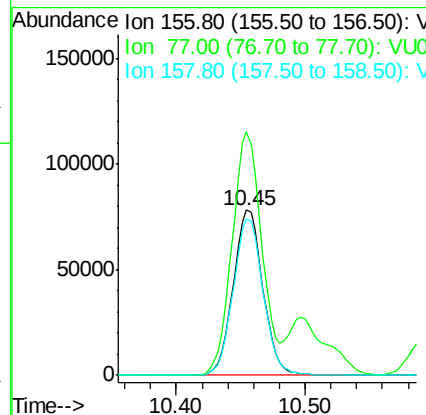
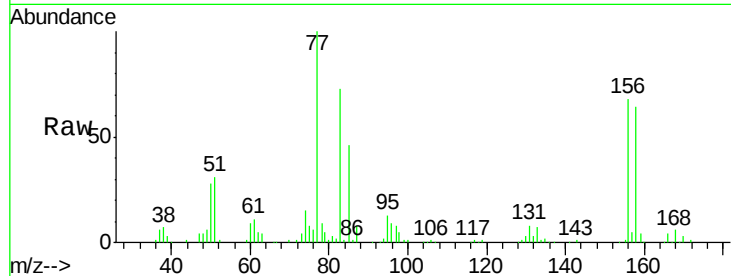
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	147.6	73.8	221.4		
158	96.0	48.0	144.0		

Manual Integrations
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#78

n-propylbenzene

Concen: 43.56 ug/l

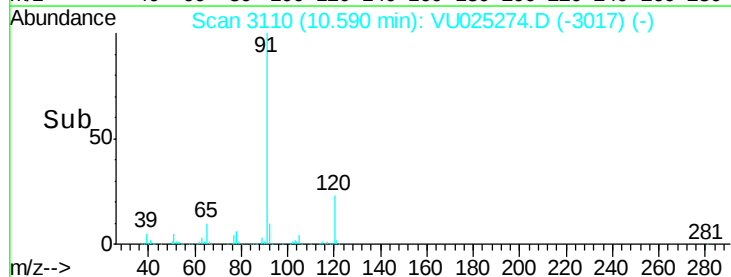
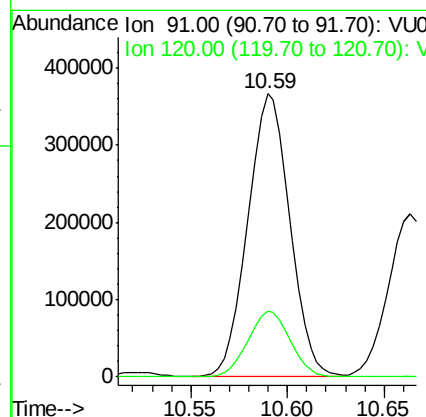
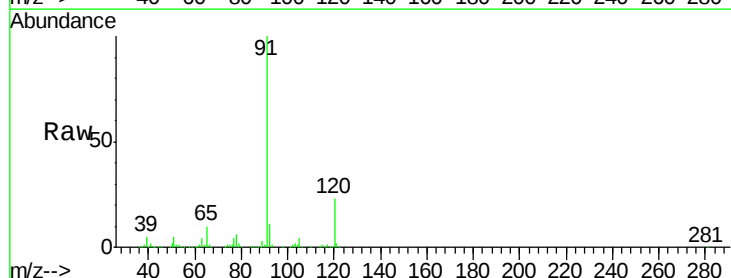
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.5	11.8	35.3		





#79

2-Chlorotoluene

Concen: 41.61 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 330555

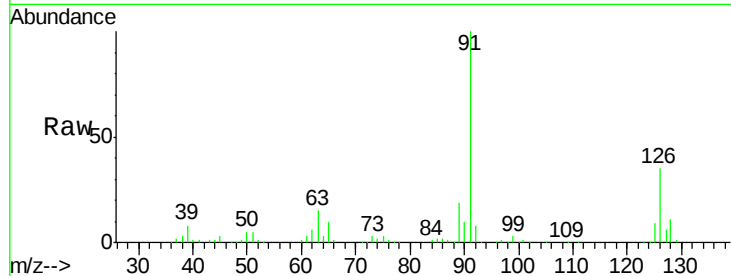
Ion Ratio Lower Upper

91 100

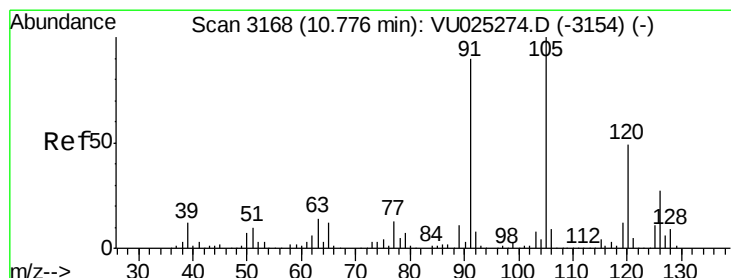
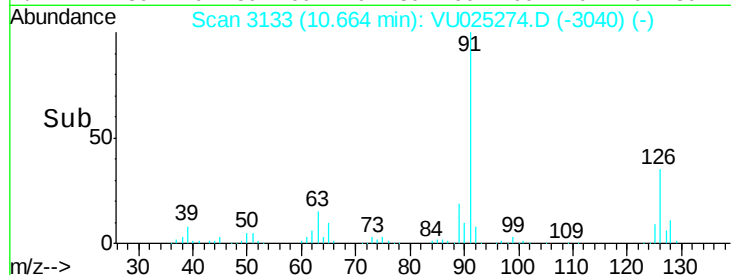
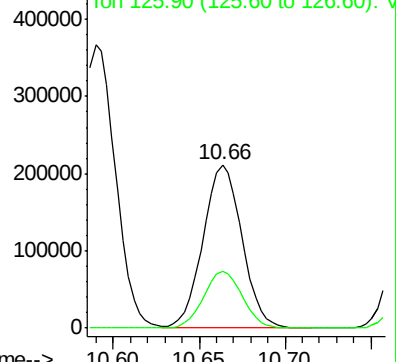
126 35.1 17.5 52.6

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 43.39 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025274.D

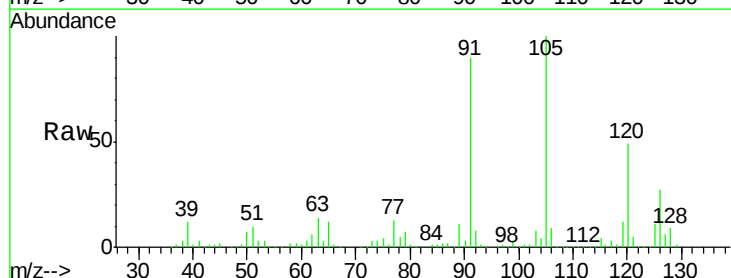
Acq: 09 Jul 2018 15:22

Tgt Ion: 105 Resp: 417608

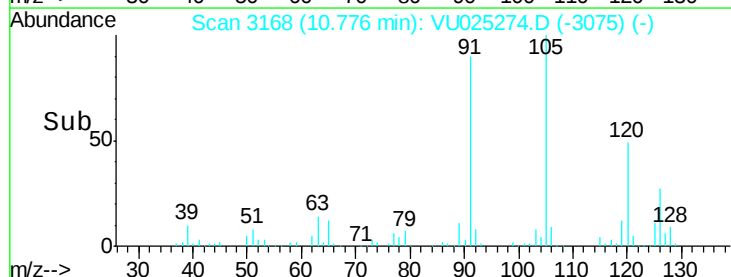
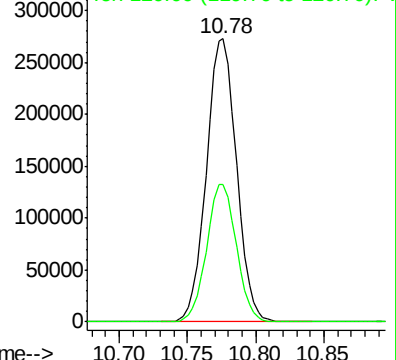
Ion Ratio Lower Upper

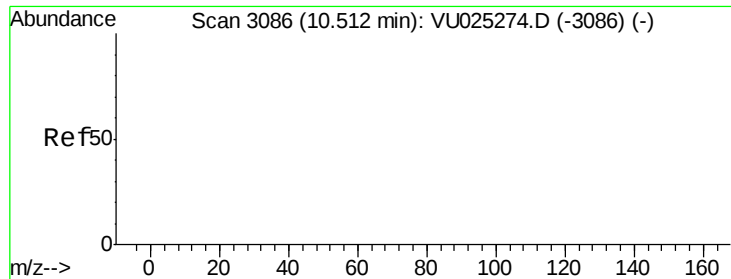
105 100

120 48.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025274.D (-3154) (-)





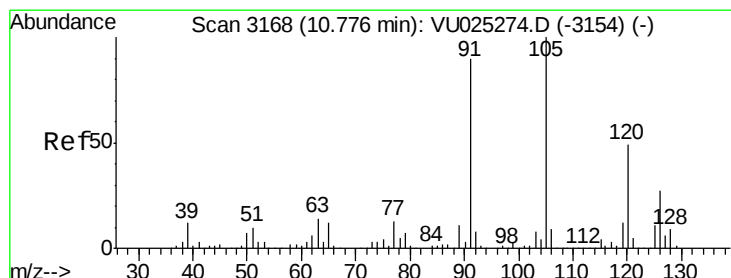
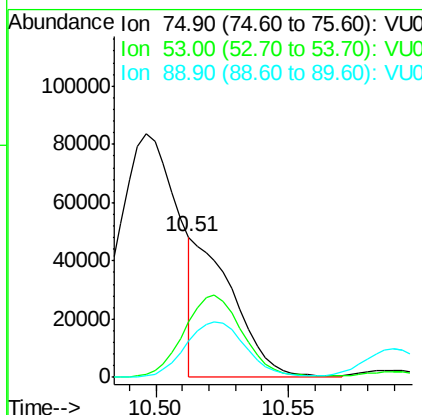
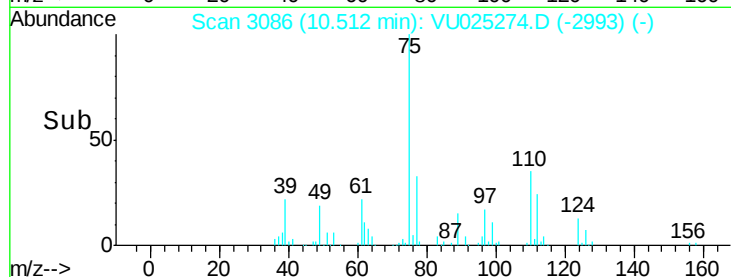
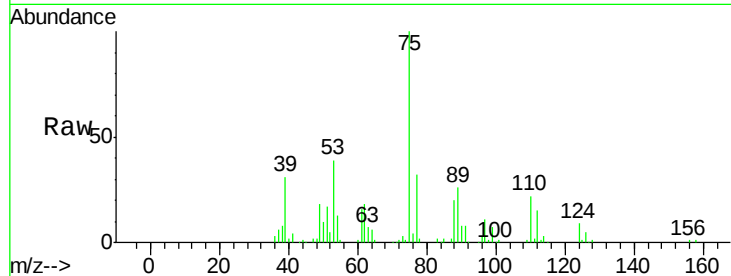
#81
trans-1,4-Dichloro-2-butene
Concen: 41.64 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

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

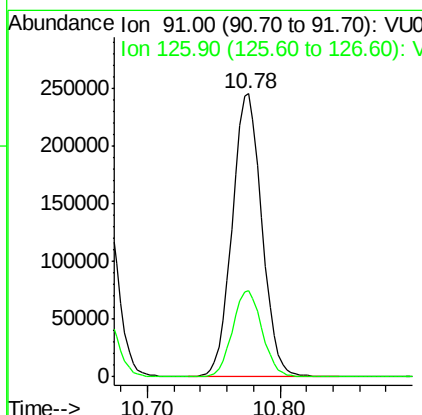
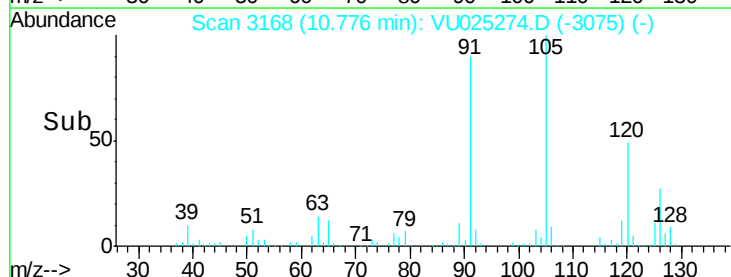
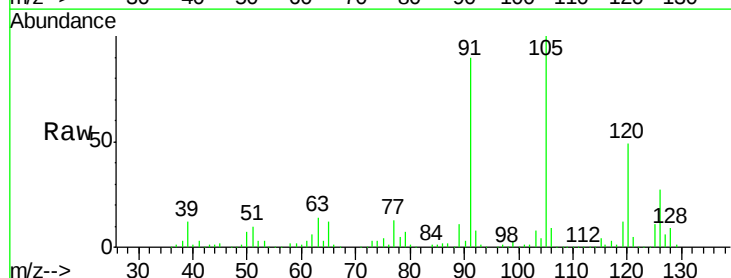
Manual Integrations
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#82
4-Chlorotoluene
Concen: 42.30 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.9





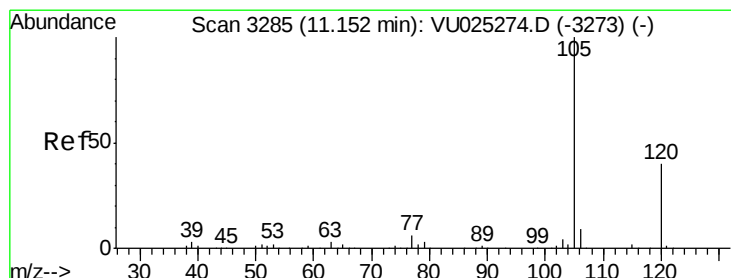
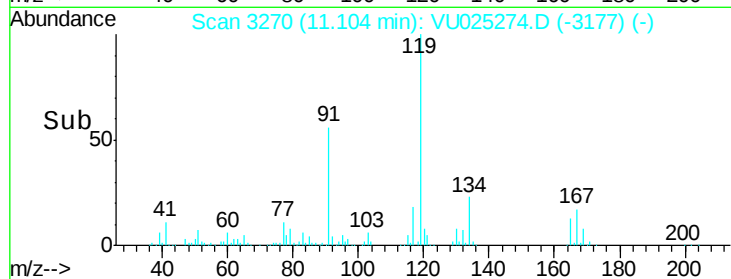
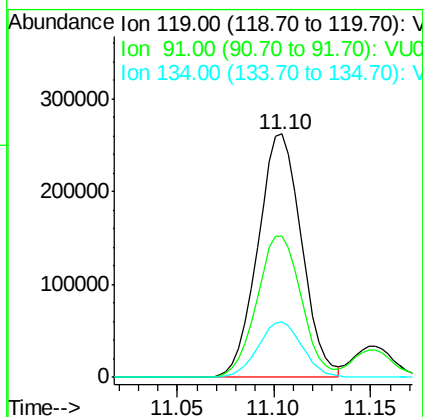
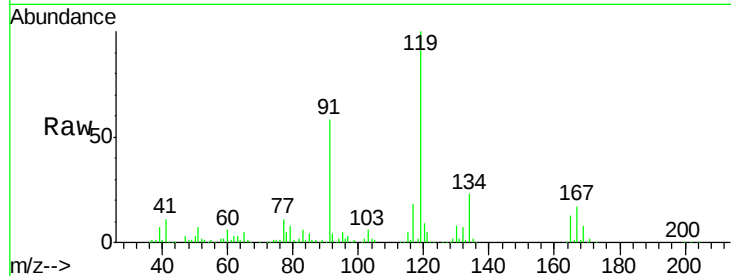
#83
tert-Butylbenzene
Concen: 42.35 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	411954		
91	59.4	29.7	89.1	
134	23.0	11.5	34.5	

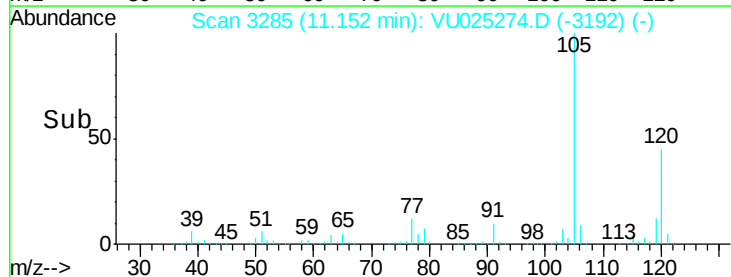
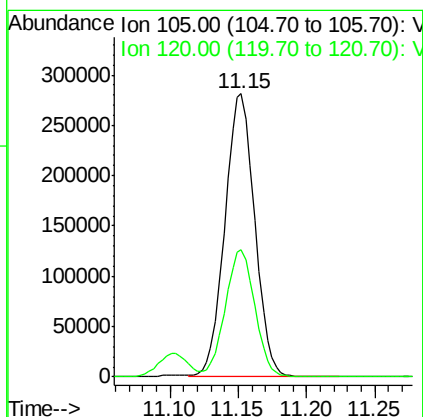
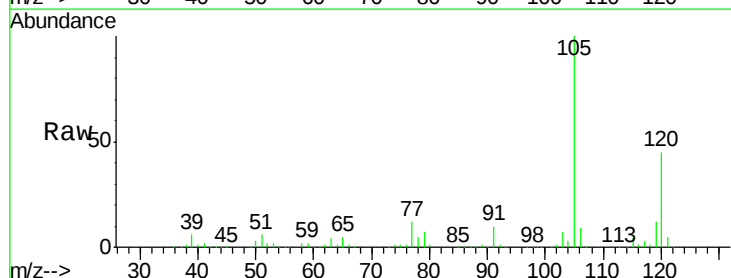
Manual Integrations
APPROVED

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#84
1,2,4-Trimethylbenzene
Concen: 43.33 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	427427		
120	44.5	22.3	66.8	





#85

sec-Butylbenzene

Concen: 43.42 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 497243

Ion Ratio Lower Upper

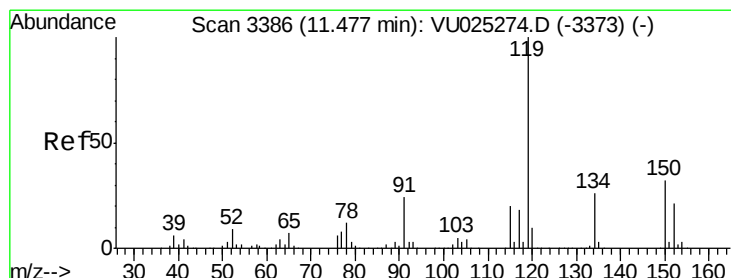
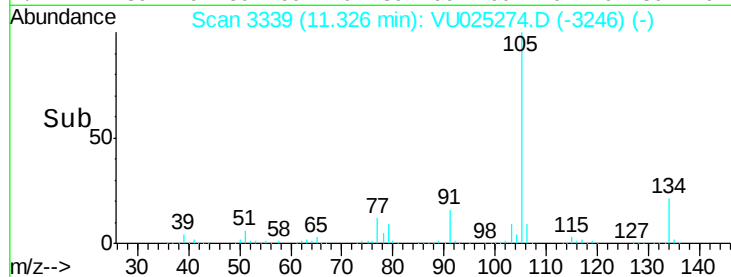
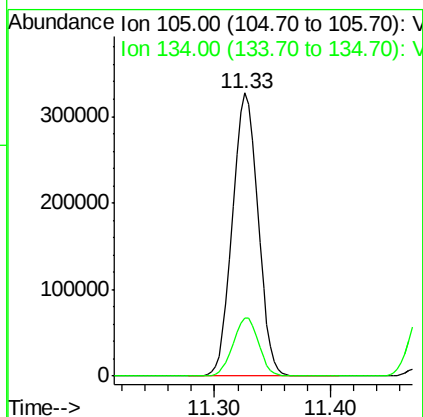
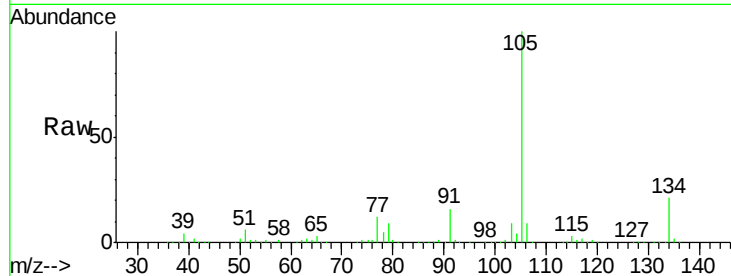
105 100

134 20.5 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 44.01 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

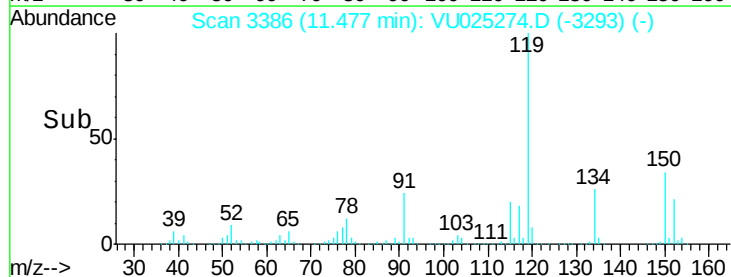
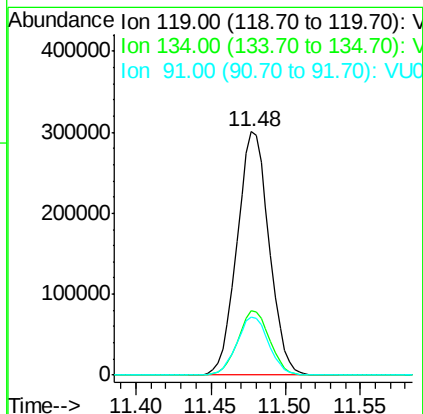
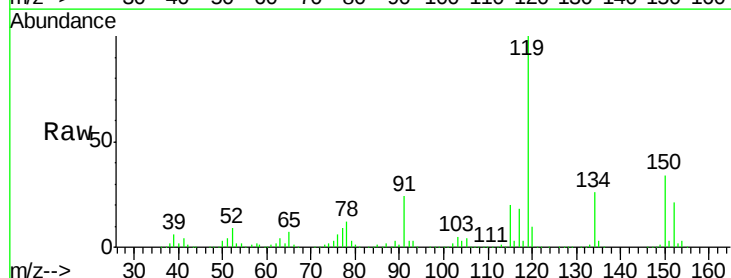
Tgt Ion:119 Resp: 446300

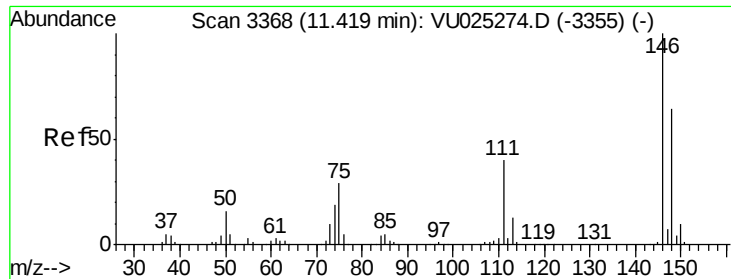
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 24.1 12.0 36.1





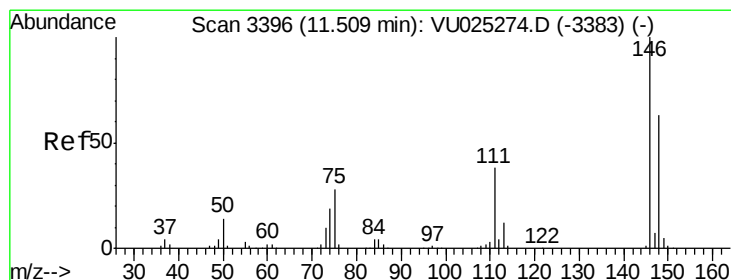
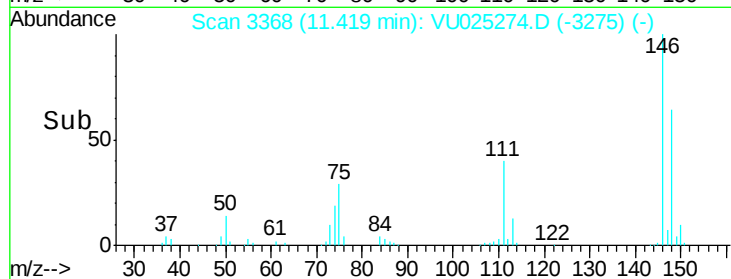
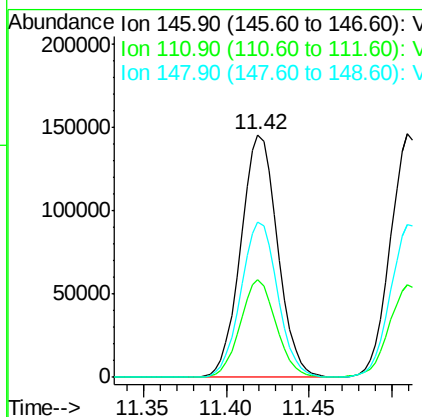
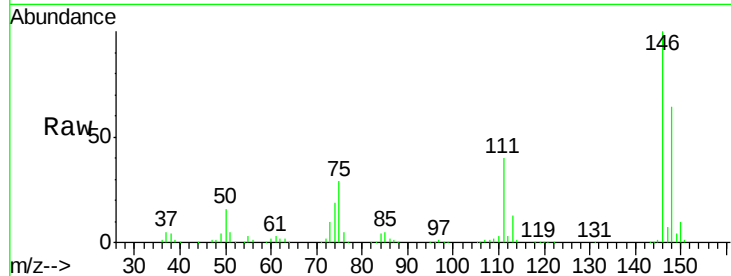
#87
 1,3-Dichlorobenzene
 Concen: 41.95 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.2	32.1	96.3

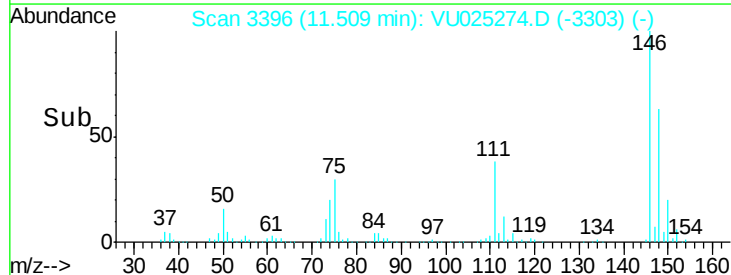
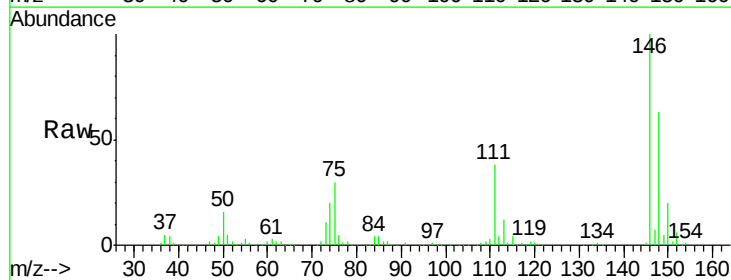
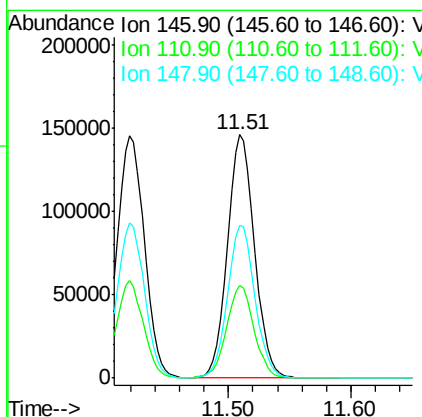
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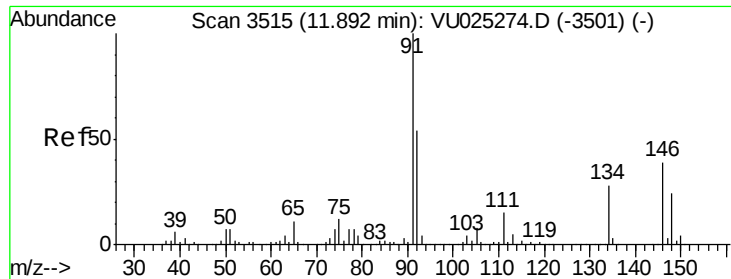
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 41.34 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.4	31.7	95.1





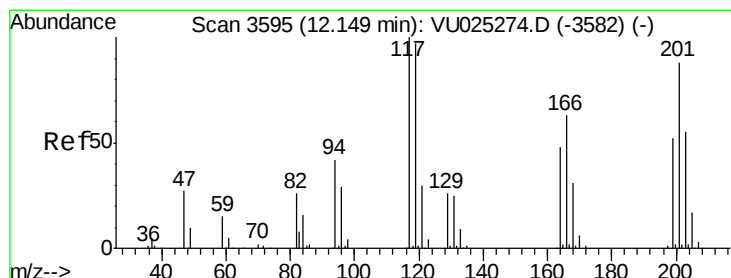
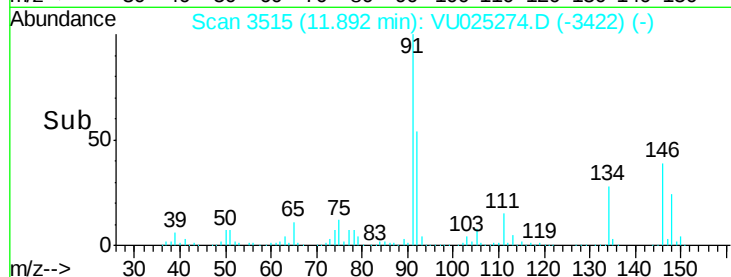
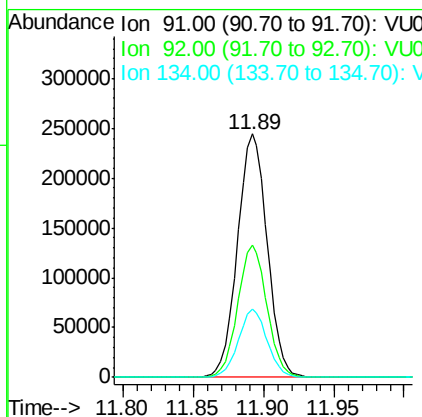
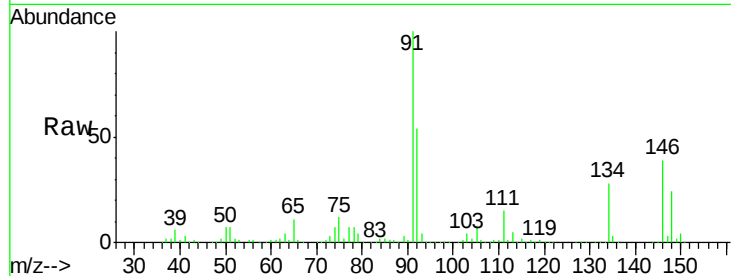
#89
n-Butylbenzene
Concen: 43.30 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.5	79.5
134	27.1	13.6	40.7

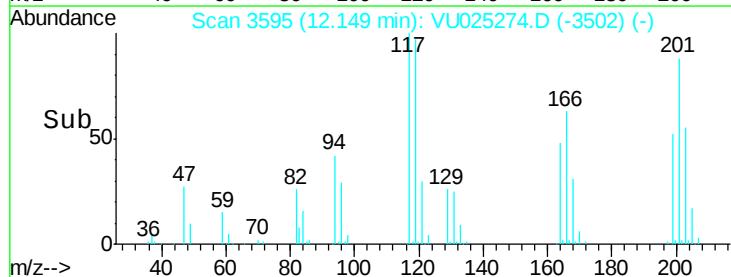
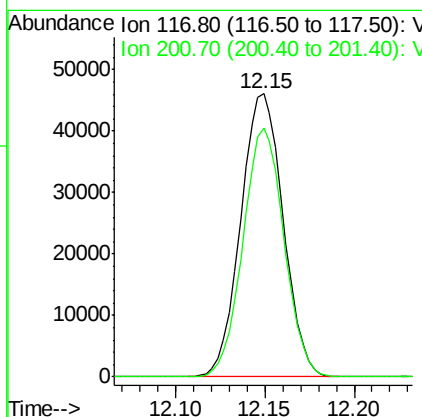
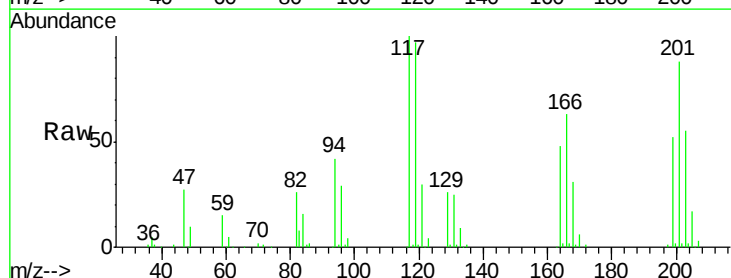
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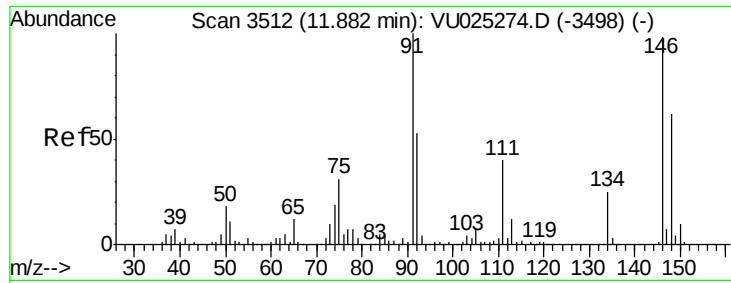
MMDadoda
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#90
Hexachloroethane
Concen: 44.47 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025274.D
Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	42.5	127.6





#91

1,2-Dichlorobenzene

Concen: 42.64 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

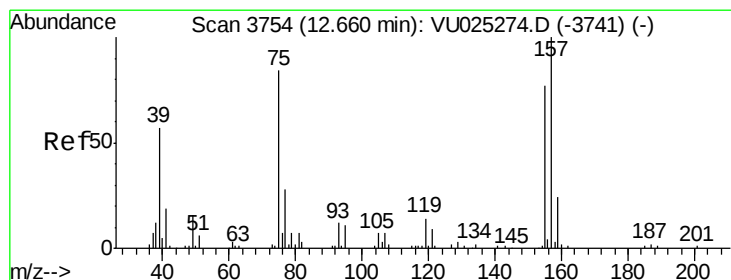
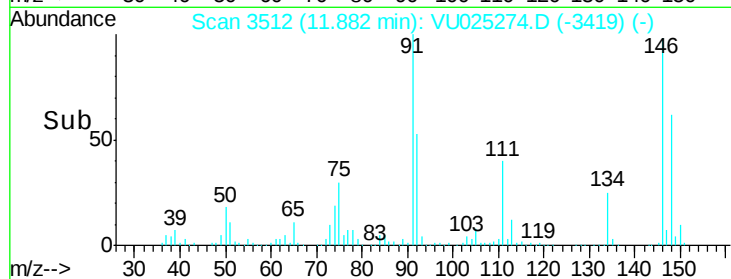
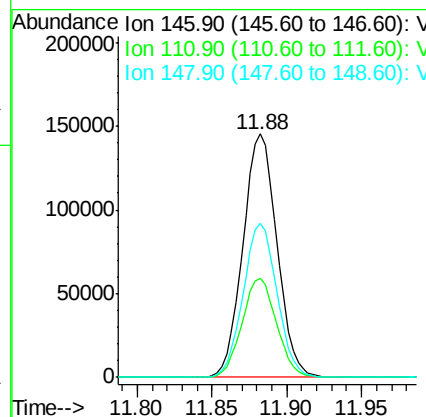
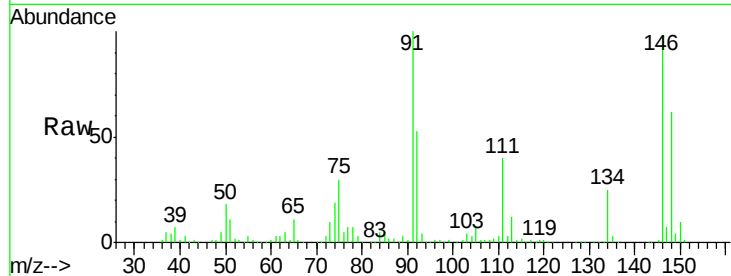
ClientSampleId :

VSTDICCC050

Tot Ion:	146	Resp:	230314
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.6	61.8
148	63.0	31.5	94.5

Manual Integrations
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7/10/2018 2:33:17 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.31 ug/l

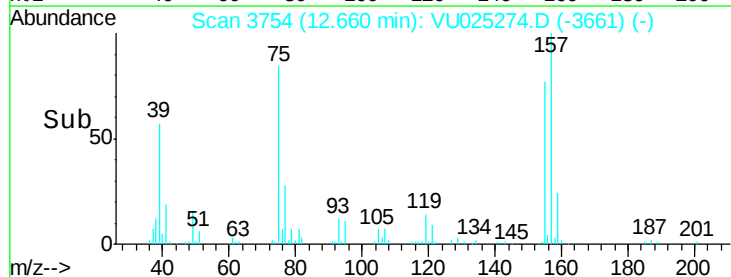
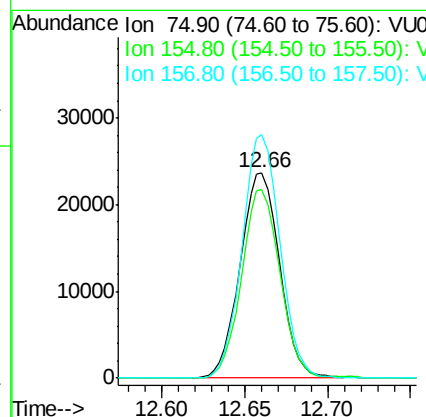
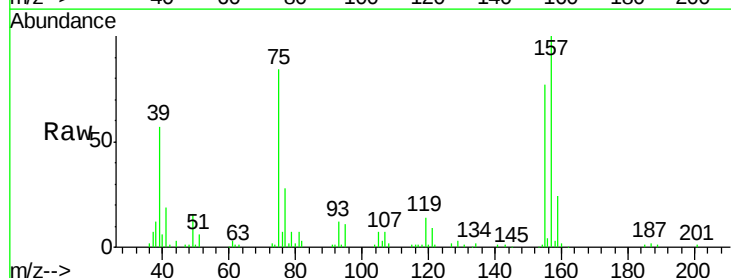
RT: 12.66 min Scan# 3754

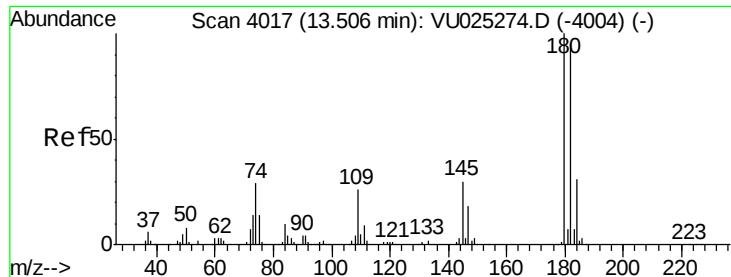
Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion:	75	Resp:	39311
Ion Ratio	Lower	Upper	
75	100		
155	88.9	44.5	133.3
157	113.9	57.0	170.8





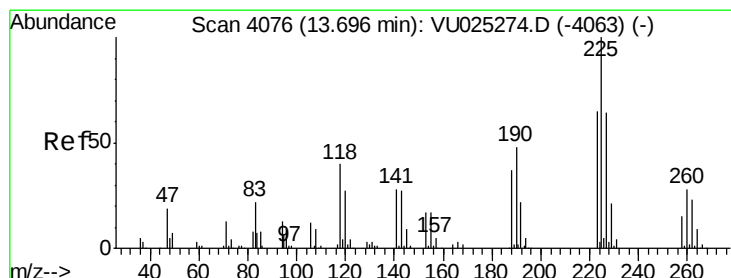
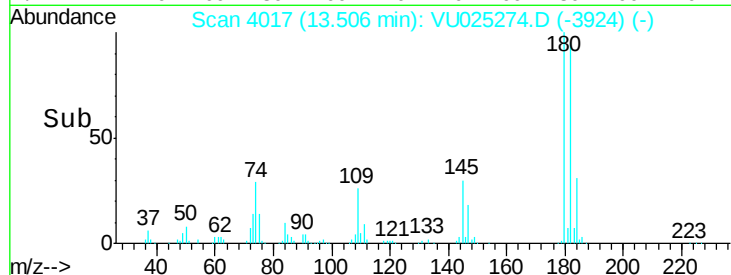
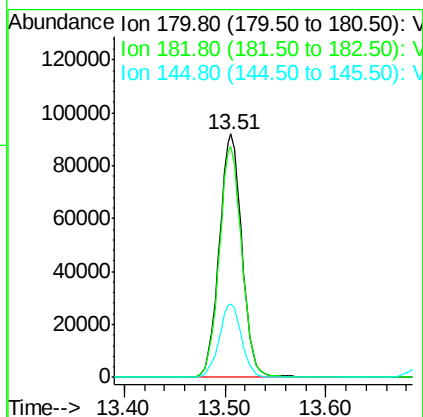
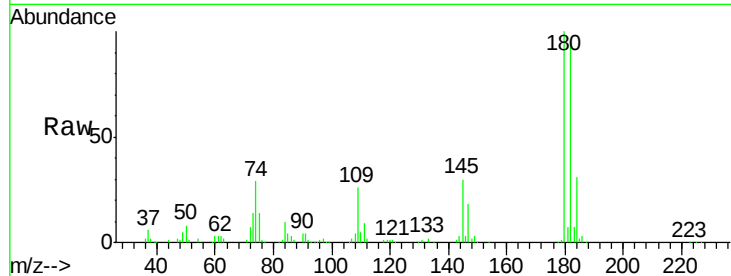
#93
 1,2,4-Trichlorobenzene
 Concen: 40.64 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	29.8	14.9	44.7

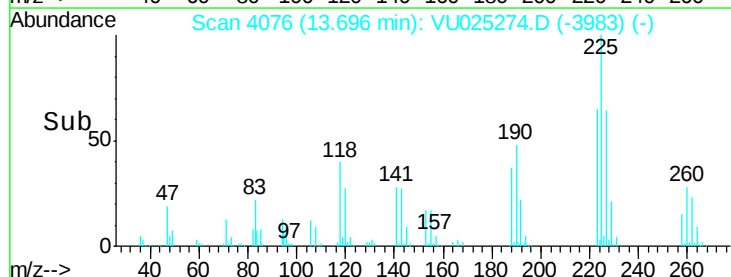
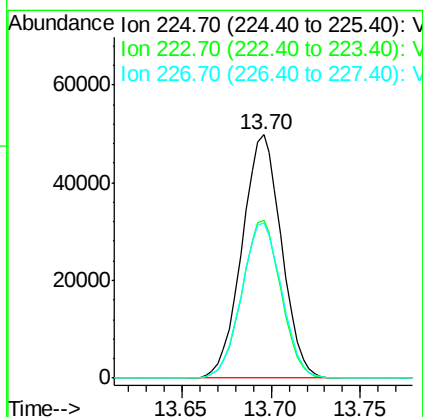
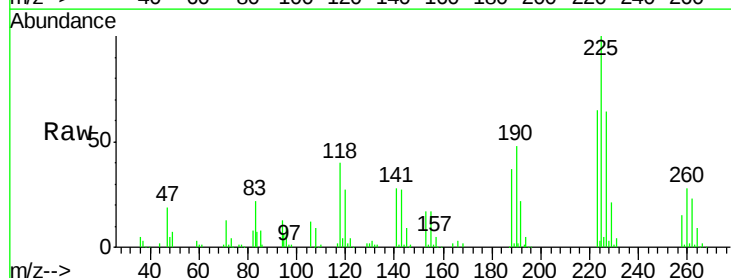
Manual Integrations
 APPROVED

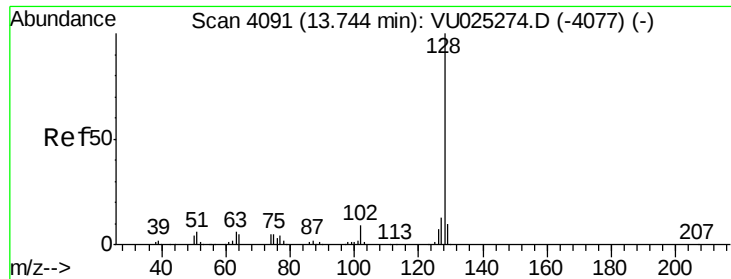
MMDadoda
 7/10/2018 2:33:17 PM



#94
 Hexachlorobutadiene
 Concen: 39.98 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025274.D
 Acq: 09 Jul 2018 15:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	64.6	32.3	96.9





#95

Naphthalene

Concen: 37.27 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Instrument :

MSVOA_U

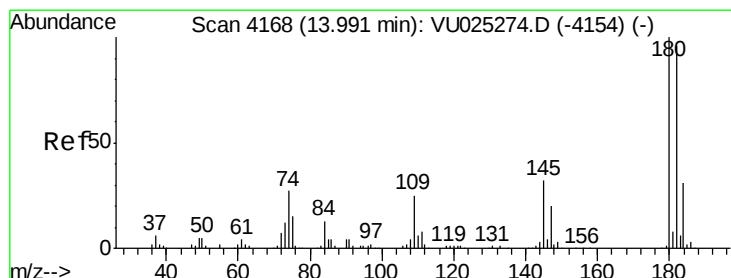
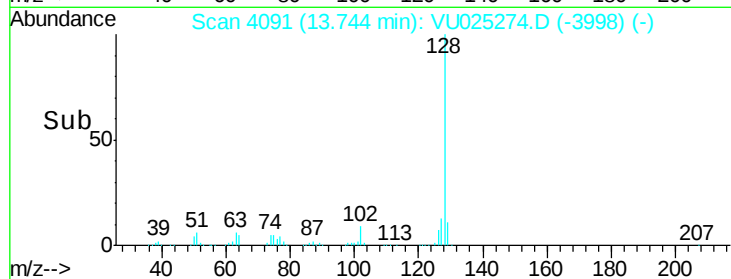
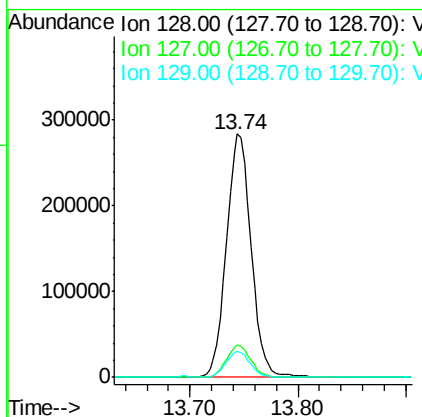
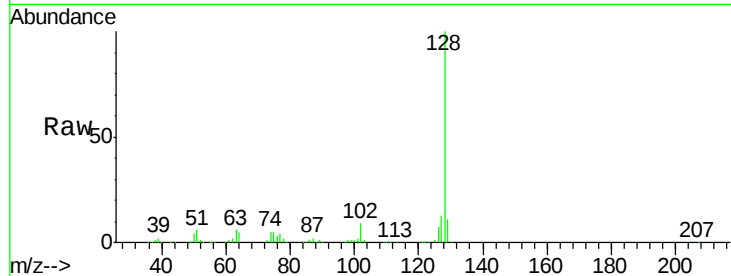
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	453815
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/10/2018 2:33:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 39.02 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025274.D

Acq: 09 Jul 2018 15:22

Tgt Ion:	180	Resp:	148925
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.8	143.3
145	31.2	15.6	46.8

