

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU071118\
 Data File : VU025330.D
 Acq On : 11 Jul 2018 21:33
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/12/2018 11:04:23 AM

Quant Time: Jul 12 05:07:06 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	180493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273962	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	259412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155847	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	128524	45.83	ug/l	0.00
Spiked Amount			Recovery	=	91.66%	
35) Dibromofluoromethane	4.89	113	105330	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	7.57	98	346421	43.77	ug/l	0.00
Spiked Amount			Recovery	=	87.54%	
62) 4-Bromofluorobenzene	10.31	95	142798	44.82	ug/l	0.00
Spiked Amount			Recovery	=	89.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	85037	45.52	ug/l	99
3) Chloromethane	1.33	50	85159	45.80	ug/l	99
4) Vinyl Chloride	1.40	62	97911	47.70	ug/l	100
5) Bromomethane	1.61	94	60353	58.51	ug/l	100
6) Chloroethane	1.69	64	64169	49.16	ug/l	96
7) Trichlorofluoromethane	1.88	101	153831	47.69	ug/l	99
8) Diethyl Ether	2.10	74	59668	49.29	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	97233	48.64	ug/l	99
10) Methyl Iodide	2.41	142	103254	46.74	ug/l	98
11) Tert butyl alcohol	2.83	59	159001	259.92	ug/l	99
12) 1,1-Dichloroethene	2.28	96	87134	47.62	ug/l	96
13) Acrolein	2.19	56	56378	139.31	ug/l	96
14) Allyl chloride	2.59	41	150161	45.26	ug/l	99
15) Acrylonitrile	2.93	53	326439	259.55	ug/l	100
16) Acetone	2.32	43	308983	216.59	ug/l	99
17) Carbon Disulfide	2.48	76	222321	41.91	ug/l	99
18) Methyl Acetate	2.62	43	162117	56.47	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	360385	51.79	ug/l	99
20) Methylene Chloride	2.70	84	110099	50.74	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	98366	47.05	ug/l	98
22) Diisopropyl ether	3.57	45	344181	50.79	ug/l	96
23) Vinyl Acetate	3.53	43	1523231	256.25	ug/l	99
24) 1,1-Dichloroethane	3.45	63	195682	51.20	ug/l	99
25) 2-Butanone	4.26	43	482596	248.29	ug/l	100
26) 2,2-Dichloropropane	4.23	77	148050	40.29	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	120286	49.72	ug/l	97
28) Bromochloromethane	4.55	49	87229	47.27	ug/l	98
29) Tetrahydrofuran	4.64	42	304823	261.47	ug/l	99
30) Chloroform	4.68	83	206858	51.11	ug/l	98
31) Cyclohexane	5.00	56	164125	46.40	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	188935	51.51	ug/l	99
36) 1,1-Dichloropropene	5.14	75	144318	47.38	ug/l	100
37) Ethyl Acetate	4.38	43	176440	51.94	ug/l	99
38) Carbon Tetrachloride	5.14	117	165120	50.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	171239	45.07	ug/l	97
40) Benzene	5.39	78	427823	48.74	ug/l	100
41) Methacrylonitrile	4.54	41	98174	52.13	ug/l	99
42) 1,2-Dichloroethane	5.41	62	172125	49.33	ug/l	100
43) Isopropyl Acetate	5.55	43	276545	50.84	ug/l	99
44) Trichloroethene	6.19	130	118260	46.92	ug/l	98
45) 1,2-Dichloropropane	6.44	63	113782	49.49	ug/l	100
46) Dibromomethane	6.56	93	83397	49.85	ug/l	99
47) Bromodichloromethane	6.76	83	159398	51.29	ug/l	99
48) Methyl methacrylate	6.62	41	142081	52.40	ug/l	100
49) 1,4-Dioxane	6.62	88	64143	983.05	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	920367	260.33	ug/l	100
52) Toluene	7.64	92	275109	49.27	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	165723	48.53	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	176339	48.52	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	116223	49.97	ug/l	98
56) Ethyl methacrylate	8.02	69	184113	50.69	ug/l	98
57) 1,3-Dichloropropane	8.25	76	196015	50.77	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	339089	208.86	ug/l	100
59) 2-Hexanone	8.36	43	718847	250.67	ug/l	98
60) Dibromochloromethane	8.48	129	129403	51.52	ug/l	98
61) 1,2-Dibromoethane	8.59	107	126012	50.64	ug/l	100
64) Tetrachloroethene	8.23	164	114191	48.29	ug/l	97
65) Chlorobenzene	9.12	112	322004	49.69	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	119439	51.52	ug/l	97
67) Ethyl Benzene	9.25	91	543255	49.17	ug/l	100
68) m/p-Xylenes	9.38	106	426435	99.84	ug/l	100
69) o-Xylene	9.78	106	212266	49.64	ug/l	98
70) Styrene	9.80	104	348062	51.24	ug/l	99
71) Bromoform	9.96	173	102887	46.29	ug/l #	99
73) Isopropylbenzene	10.17	105	572355	48.07	ug/l	99
74) N-amyl acetate	10.01	43	249357	51.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	194989	50.05	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	176501m	54.75	ug/l	
77) Bromobenzene	10.46	156	148373	48.71	ug/l	98
78) n-propylbenzene	10.59	91	638217	48.30	ug/l	99
79) 2-Chlorotoluene	10.66	91	390751	51.50	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	487161	48.62	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	58171m	46.85	ug/l	
82) 4-Chlorotoluene	10.78	91	447810	47.86	ug/l	100
83) tert-Butylbenzene	11.10	119	492375	48.63	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	495938	48.30	ug/l	99
85) sec-Butylbenzene	11.33	105	584629	49.04	ug/l	100
86) p-Isopropyltoluene	11.48	119	520281	49.29	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	266084	47.79	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	263585	48.52	ug/l	99
89) n-Butylbenzene	11.89	91	422811	48.72	ug/l	99
90) Hexachloroethane	12.15	117	88486	49.51	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	277073	49.28	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49337	52.22	ug/l	99

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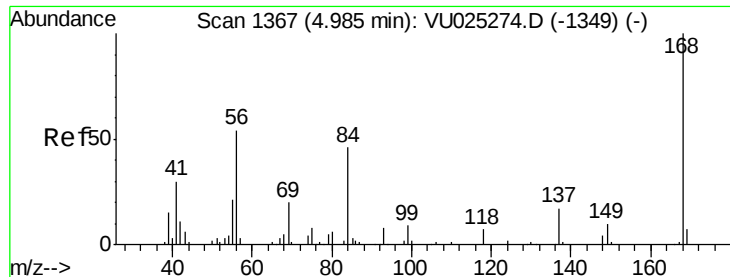
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	176700	47.13	ug/l	99
94) Hexachlorobutadiene	13.70	225	92056	45.78	ug/l	99
95) Naphthalene	13.74	128	589426	51.44	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	182298	47.81	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: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 180493

Ion Ratio Lower Upper

168 100

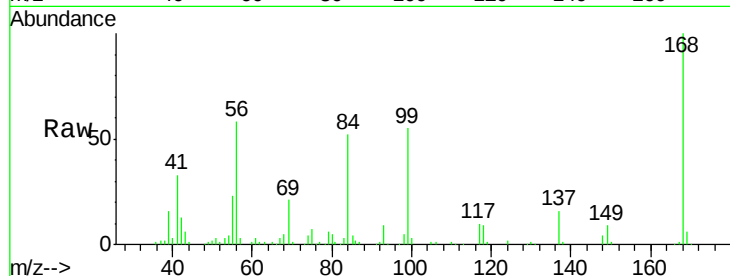
99 54.3 42.8 64.2

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): VU025330.D (-1274) (-)

80000

60000

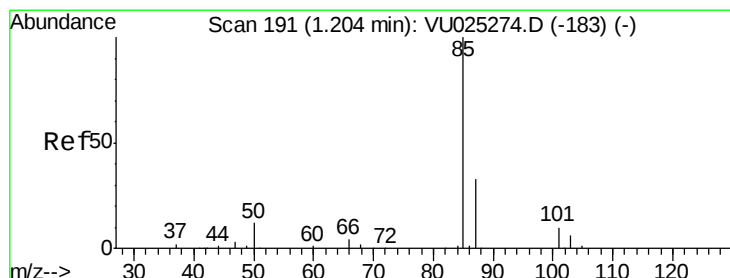
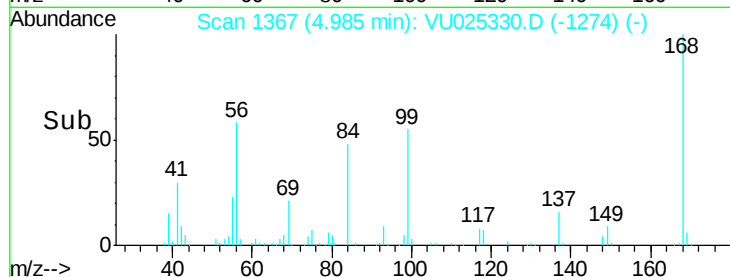
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.52 ug/l

RT: 1.20 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU025330.D

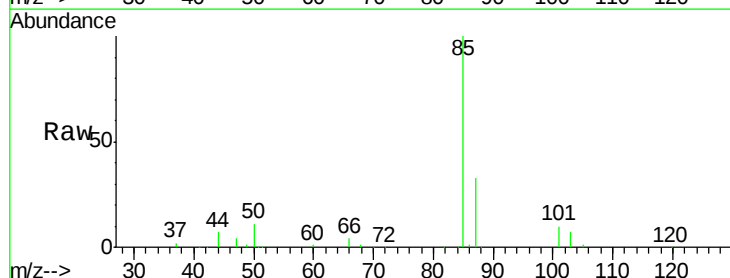
Acq: 11 Jul 2018 21:33

Tgt Ion: 85 Resp: 85037

Ion Ratio Lower Upper

85 100

87 32.6 16.5 49.5



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

Ion 86.90 (86.60 to 87.60): VU025330.D (-98) (-)

80000

60000

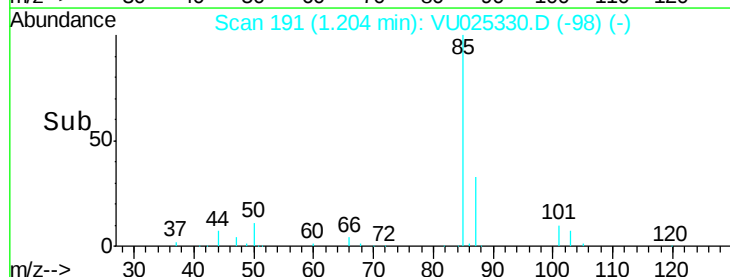
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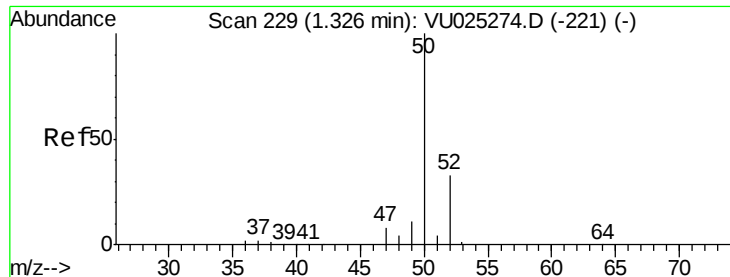
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.80 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 85159

Ion Ratio Lower Upper

50 100

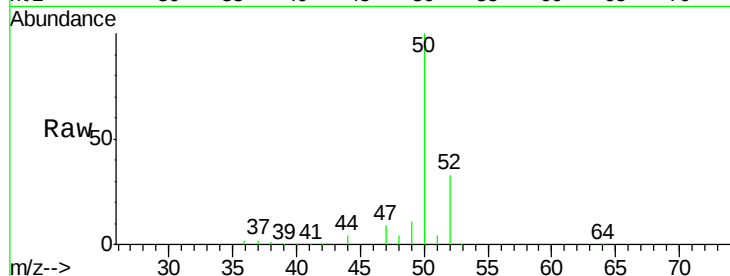
52 33.4 26.5 39.7

Manual Integrations

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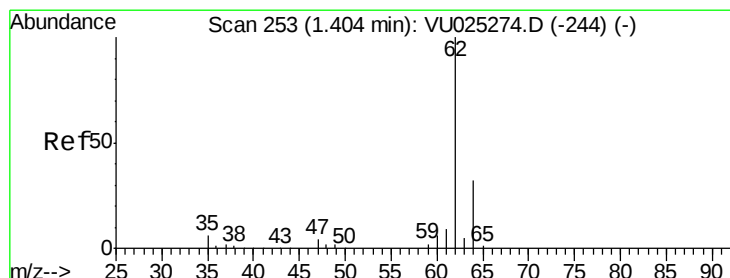
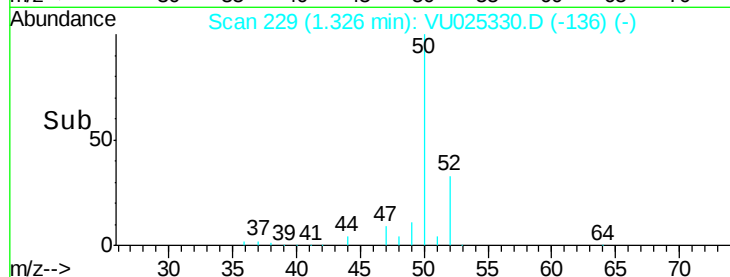
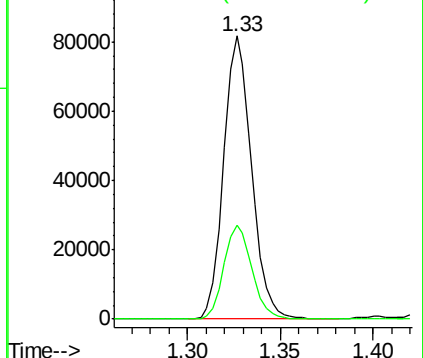
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.70 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025330.D

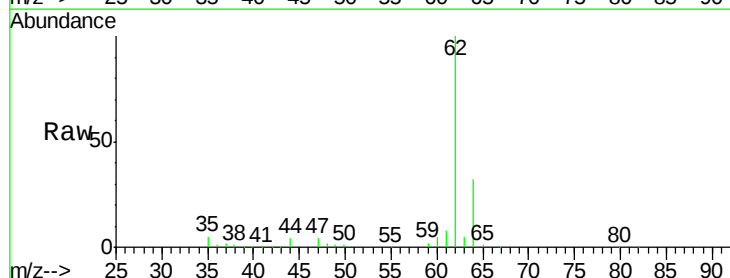
Acq: 11 Jul 2018 21:33

Tgt Ion: 62 Resp: 97911

Ion Ratio Lower Upper

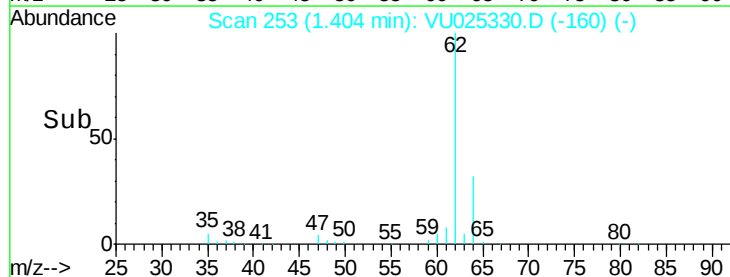
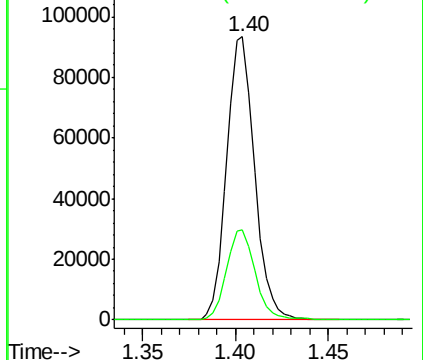
62 100

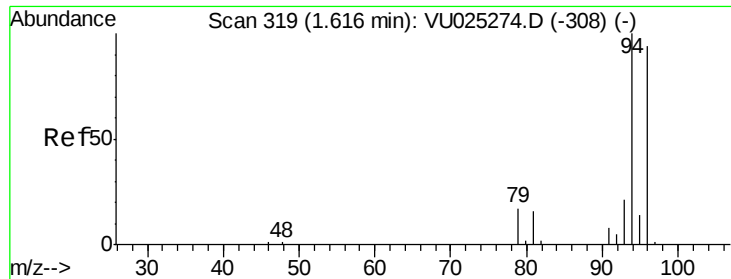
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 58.51 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 60353

Ion Ratio Lower Upper

94 100

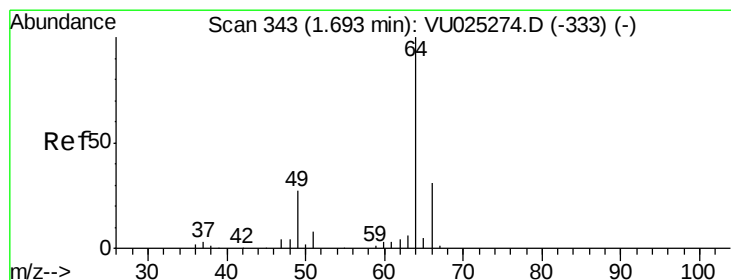
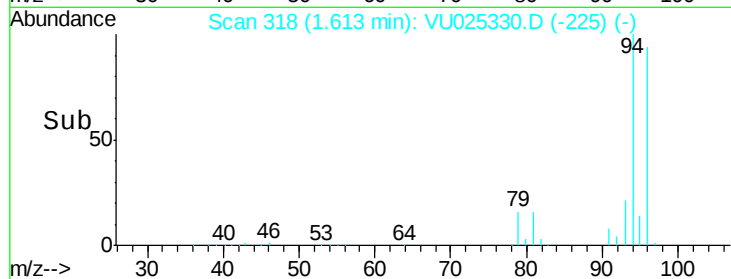
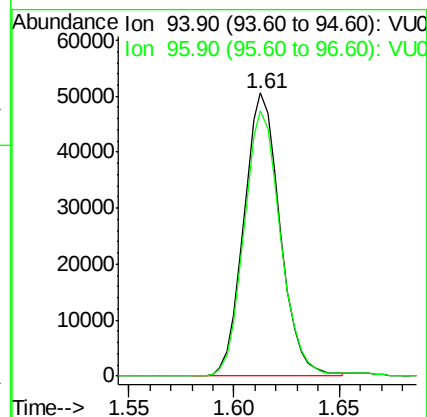
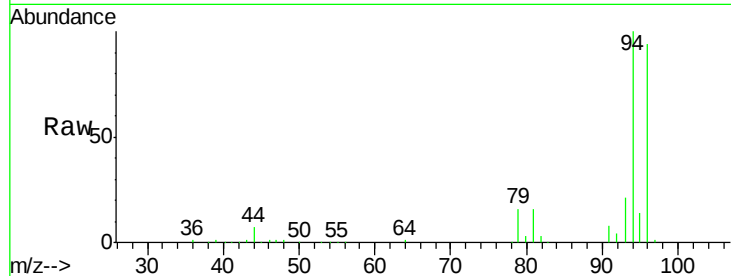
96 94.0 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 49.16 ug/l

RT: 1.69 min Scan# 342

Delta R.T. -0.00 min

Lab File: VU025330.D

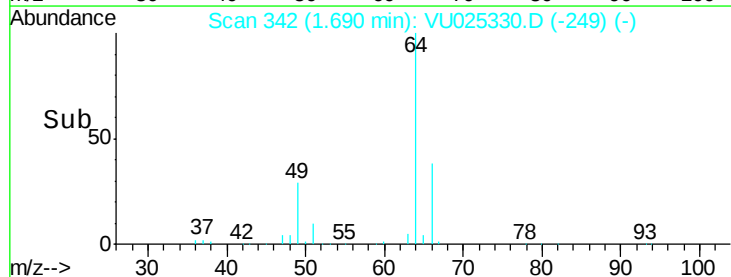
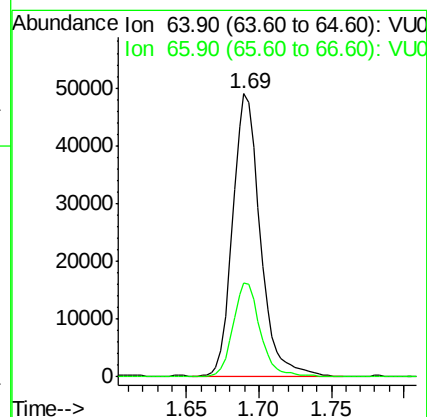
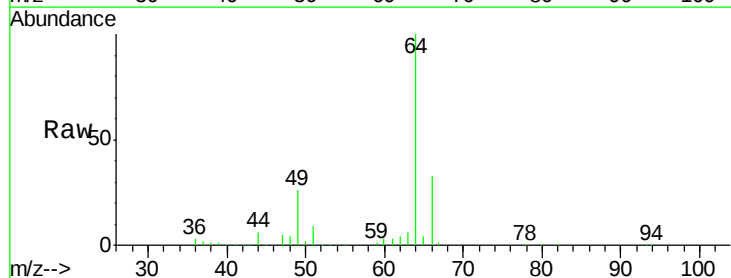
Acq: 11 Jul 2018 21:33

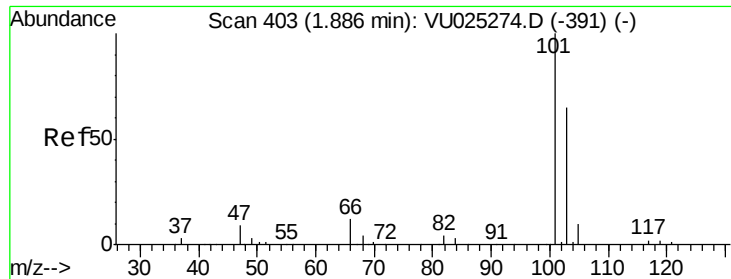
Tgt Ion: 64 Resp: 64169

Ion Ratio Lower Upper

64 100

66 33.4 25.0 37.4





#7

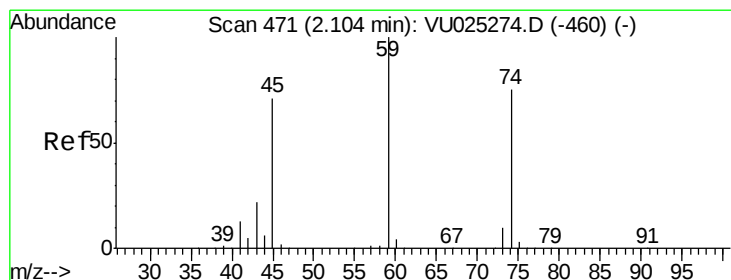
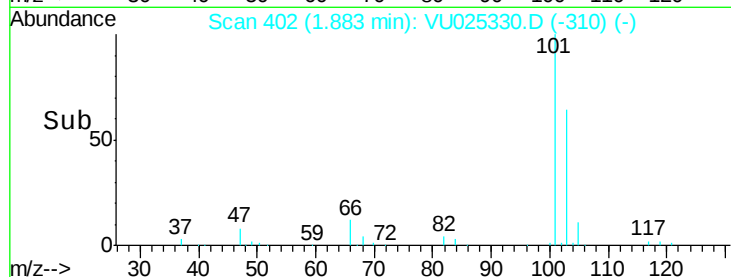
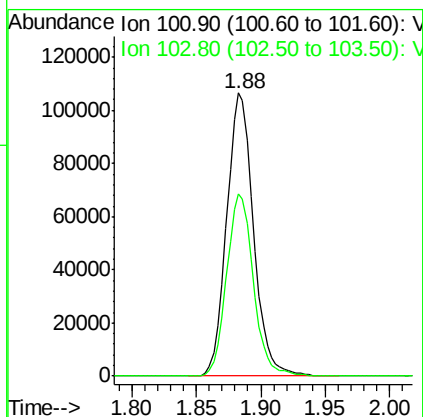
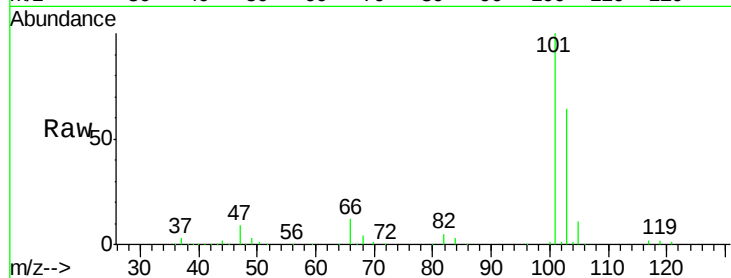
Trichlorofluoromethane
 Concen: 47.69 ug/l
 RT: 1.88 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.2	78.2

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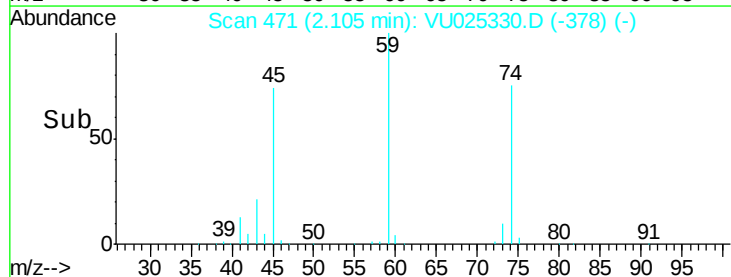
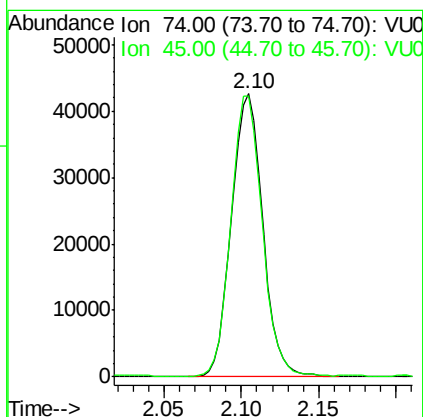
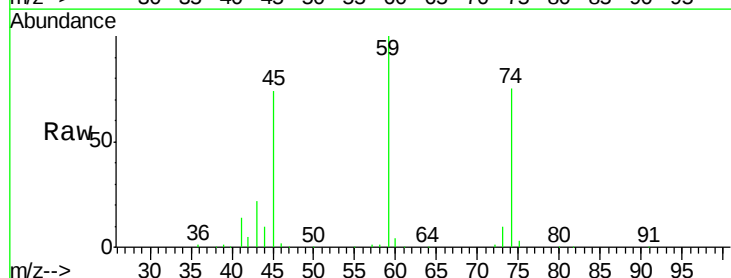
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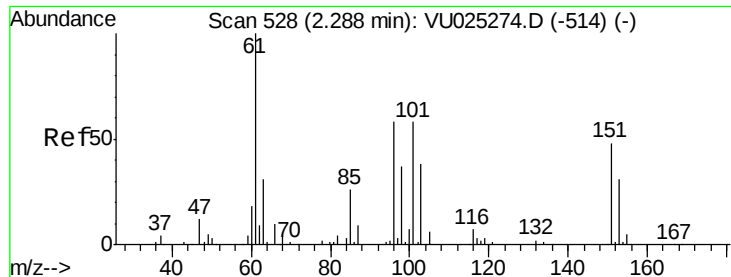


#8

Diethyl Ether
 Concen: 49.29 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	48.3	144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.64 ug/l

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

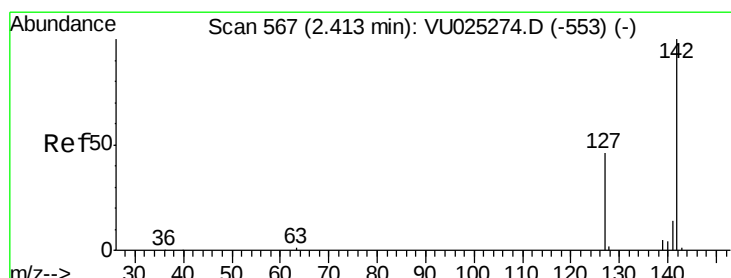
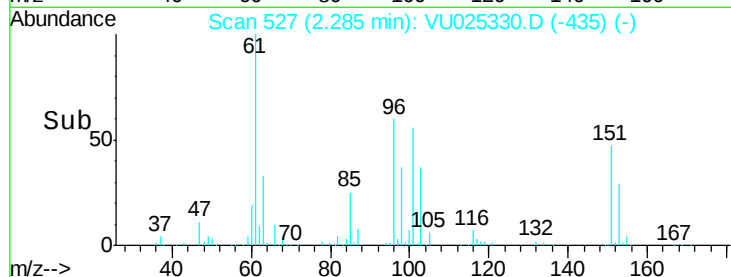
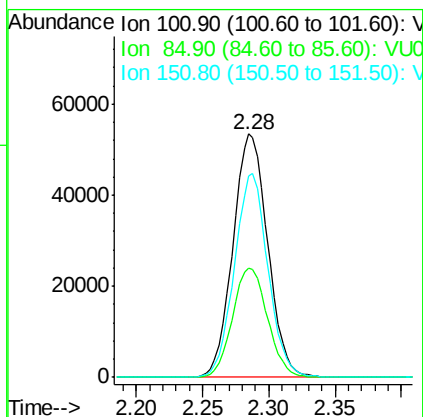
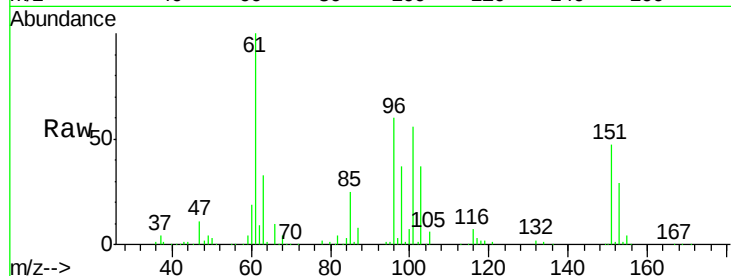
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97233
Ion Ratio	Lower	Upper	
101	100		
85	45.2	36.0	54.0
151	81.0	65.6	98.4

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#10

Methyl Iodide

Concen: 46.74 ug/l

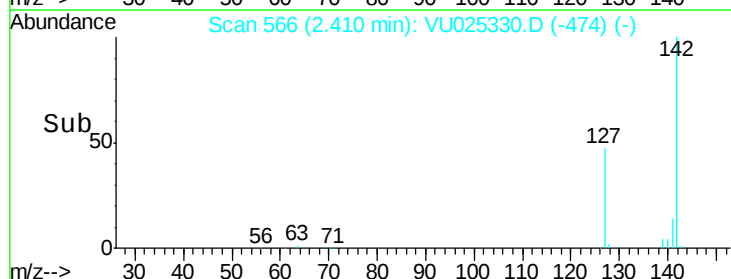
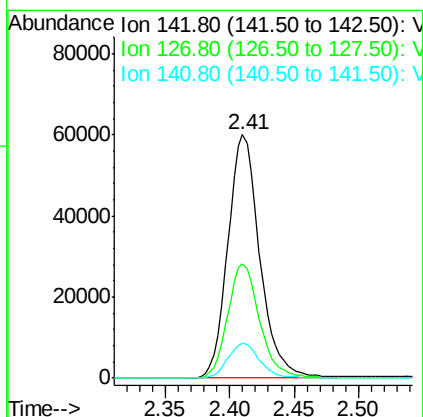
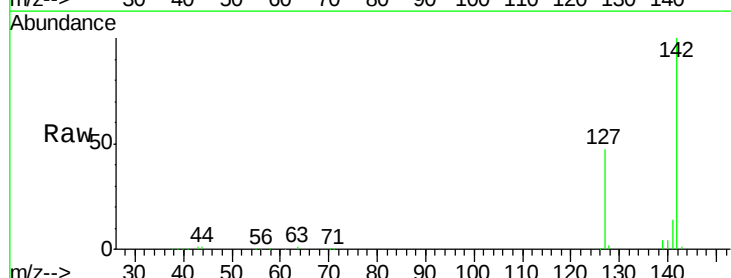
RT: 2.41 min Scan# 566

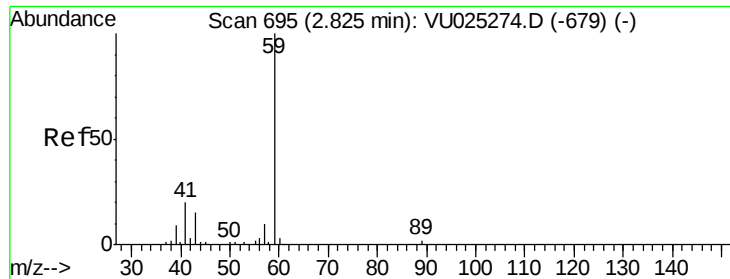
Delta R.T. -0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Tgt Ion:	142	Resp:	103254
Ion Ratio	Lower	Upper	
142	100		
127	47.2	36.5	54.7
141	14.2	11.4	17.2





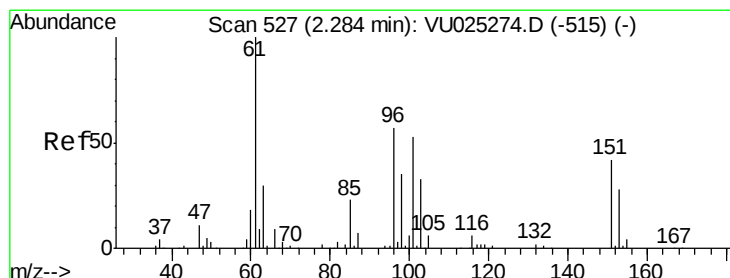
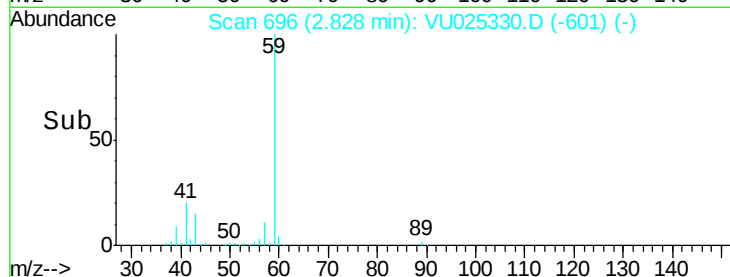
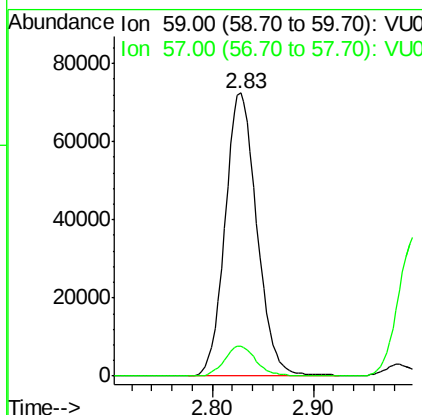
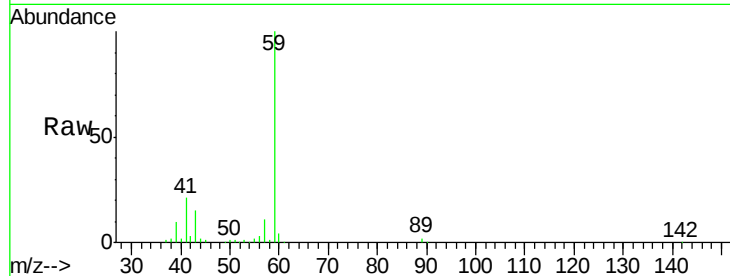
#11
Tert butyl alcohol
Concen: 259.92 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

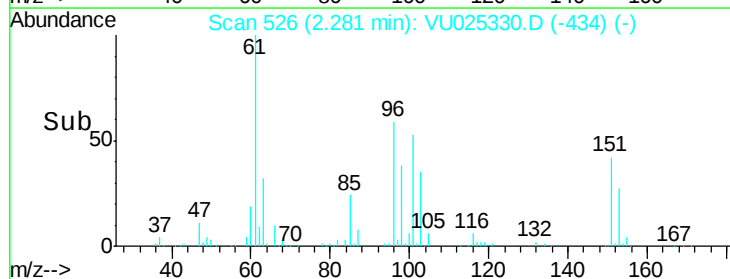
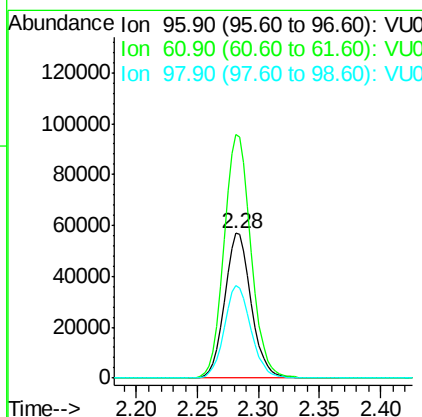
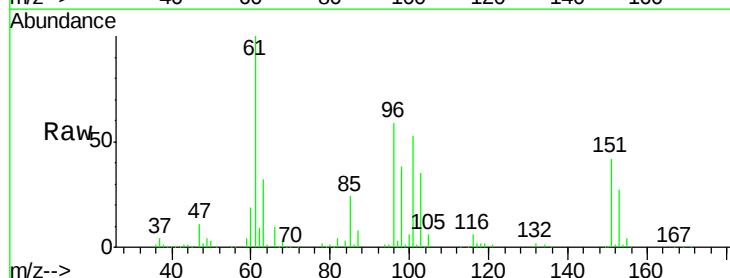
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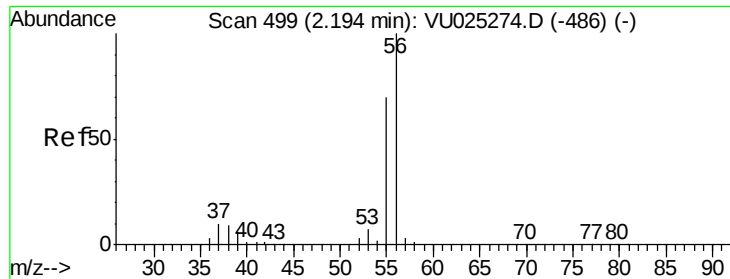
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.62 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.3	140.2	210.4
98	63.8	49.3	73.9





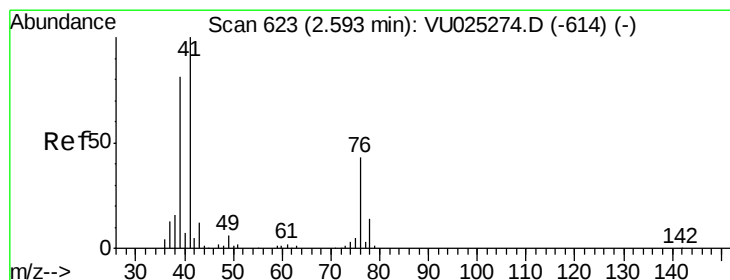
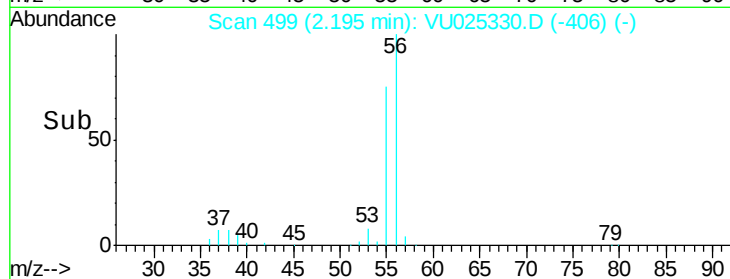
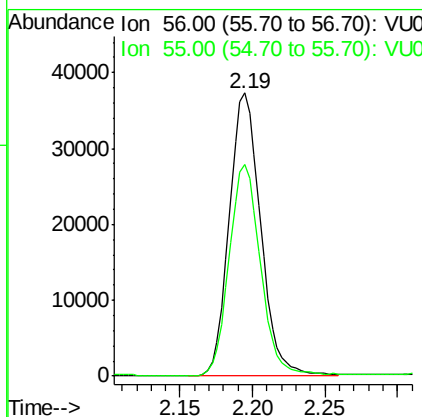
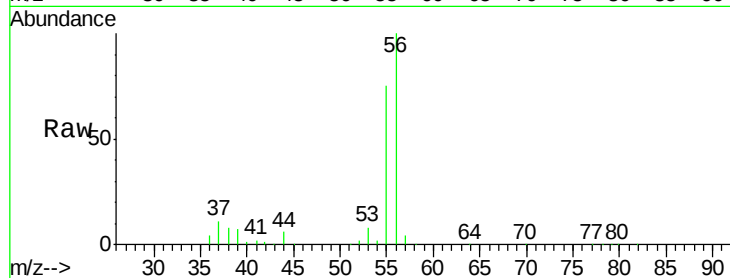
#13
Acrolein
Concen: 139.31 ug/l
RT: 2.19 min Scan# 499
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	100	74.6	Resp	56378	Lower	57.2	Upper	85.8
Ion	56	55	Ratio	100	74.6	Resp	56378	Lower	57.2	Upper	85.8

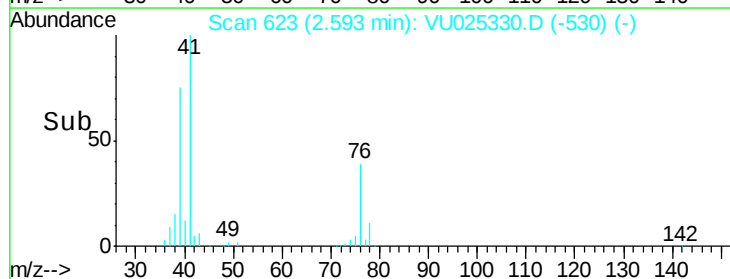
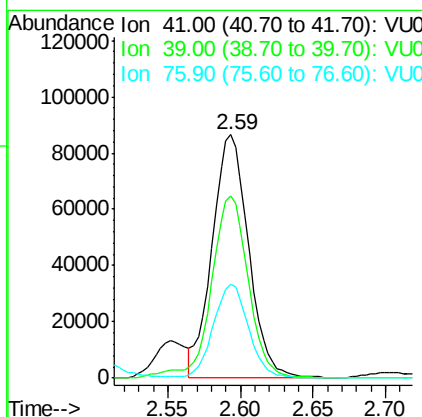
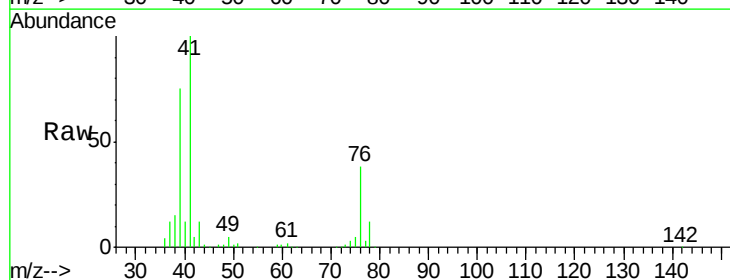
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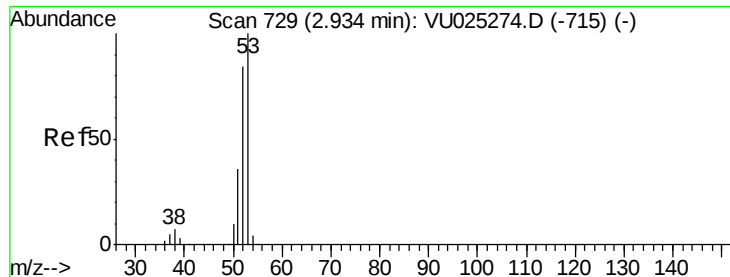
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#14
Allyl chloride
Concen: 45.26 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	41	39	76	Ratio	100	76.4	37.2	Resp	150161	Lower	60.6	Upper	91.0	45.7
Ion	41	39	76	Ratio	100	76.4	37.2	Resp	150161	Lower	60.6	Upper	91.0	45.7





#15

Acrylonitrile

Concen: 259.55 ug/l

RT: 2.93 min Scan# 729

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

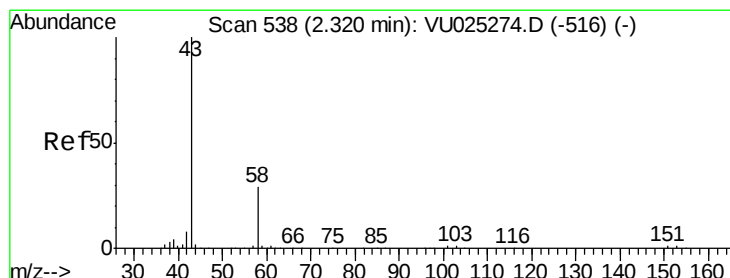
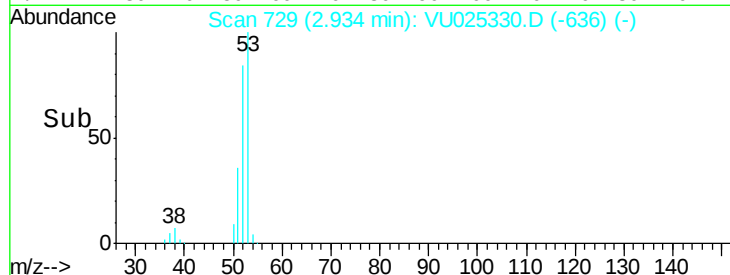
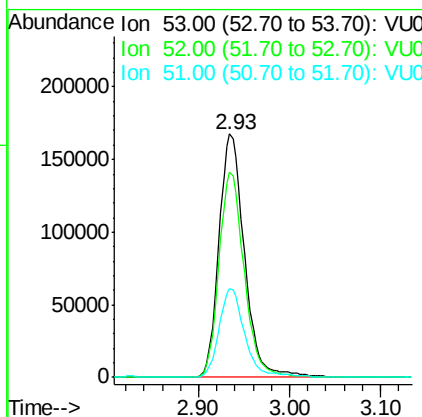
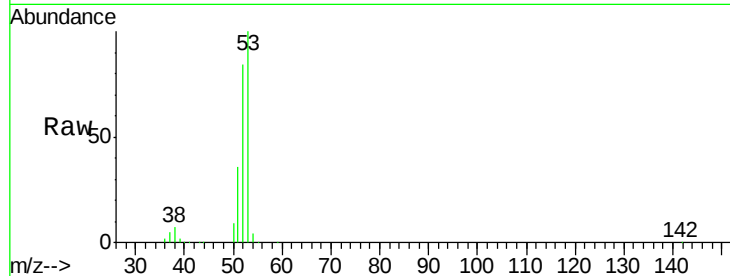
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	326439
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.6	99.8
51	37.0	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 216.59 ug/l

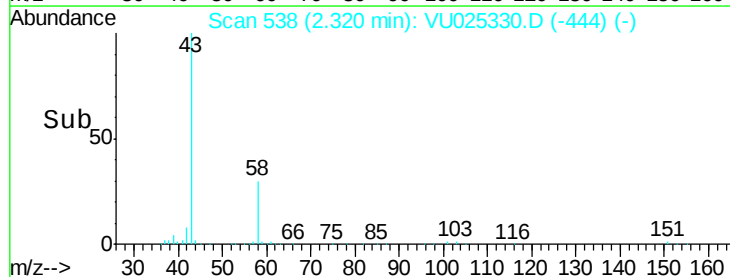
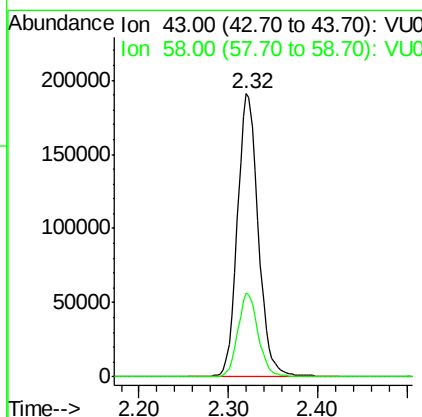
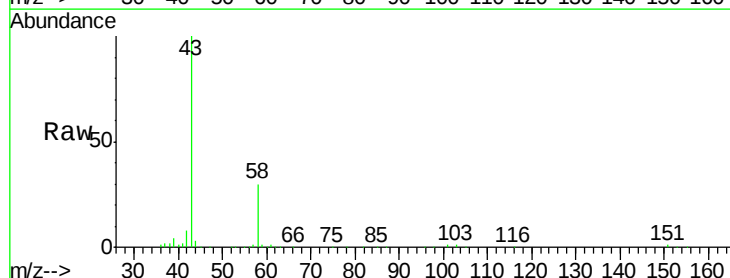
RT: 2.32 min Scan# 538

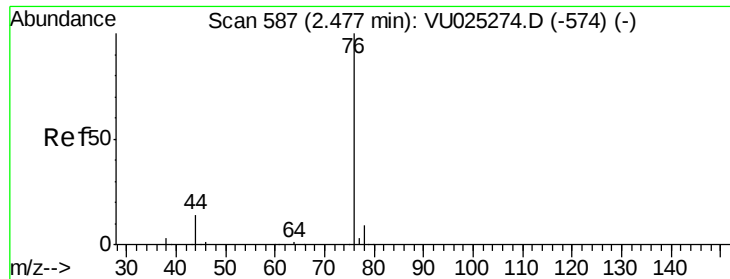
Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Tgt Ion:	43	Resp:	308983
Ion Ratio	Lower	Upper	
43	100		
58	29.6	23.1	34.7





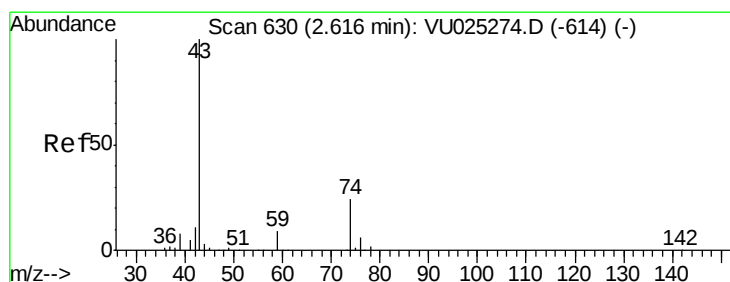
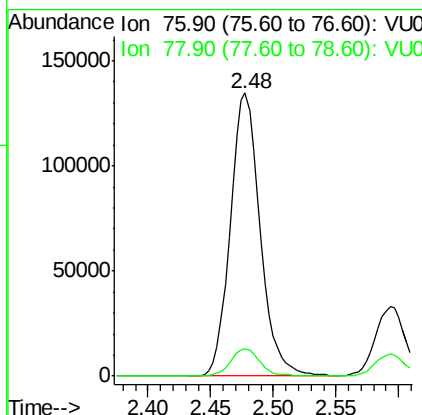
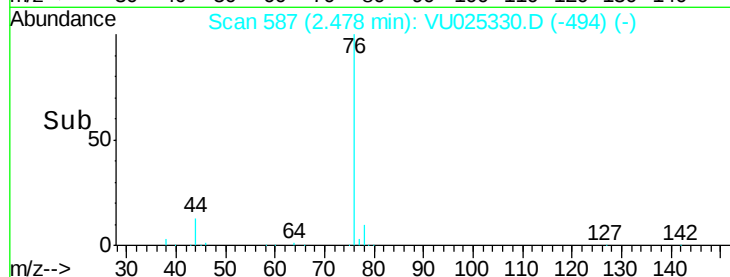
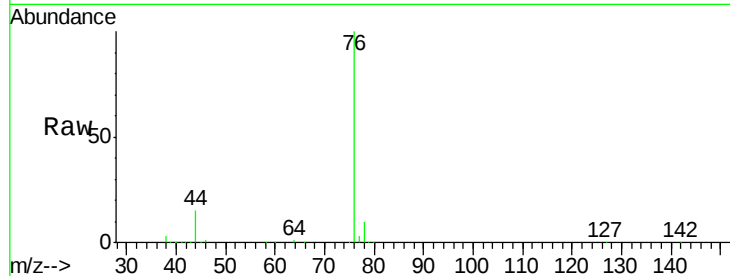
#17
Carbon Disulfide
Concen: 41.91 ug/l
RT: 2.48 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

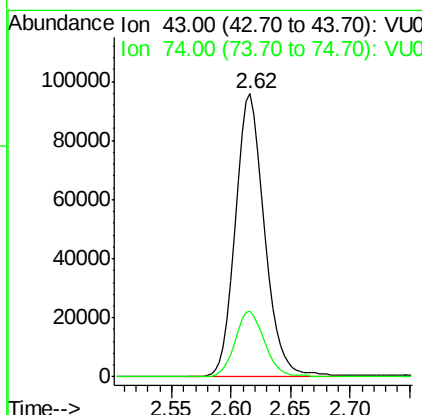
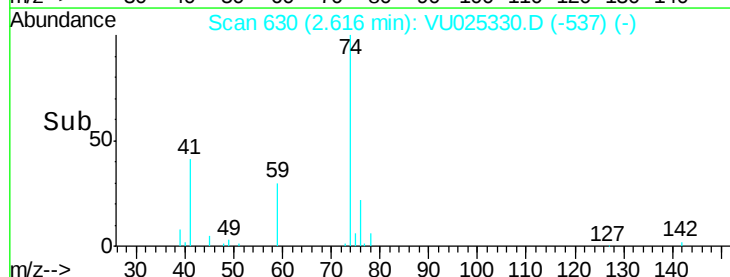
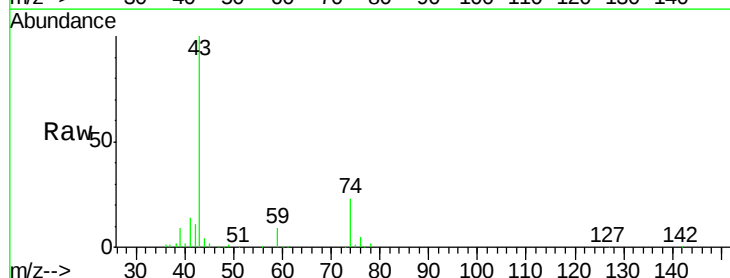
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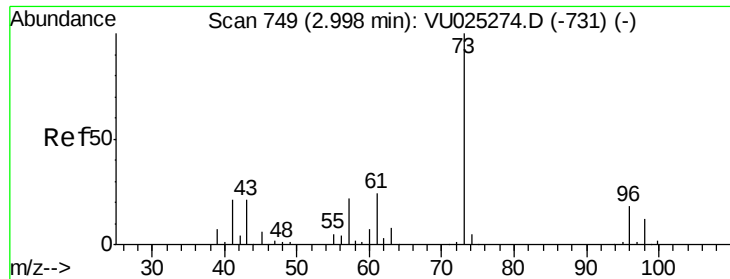
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#18
Methyl Acetate
Concen: 56.47 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.5	27.7





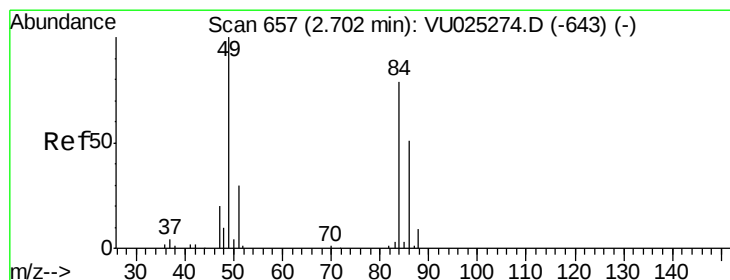
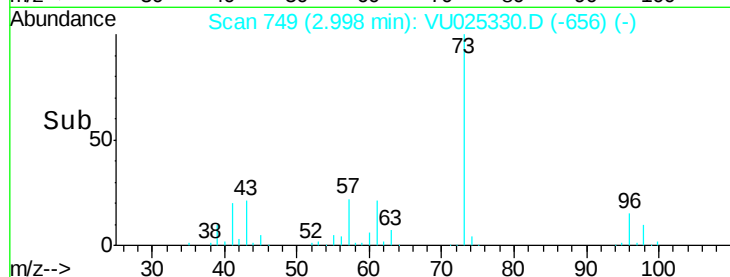
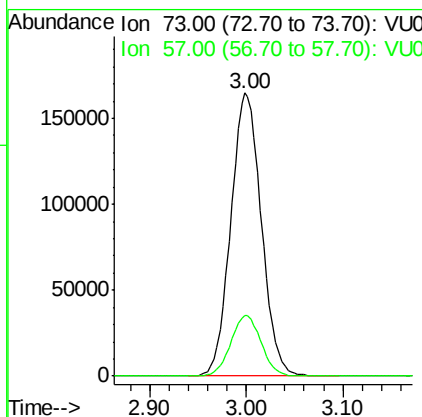
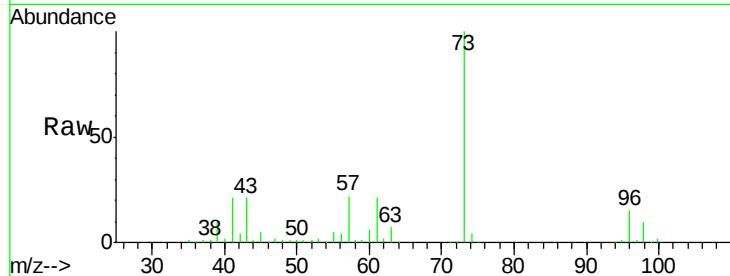
#19
Methvl tert-butvl Ether
Concen: 51.79 ug/l
RT: 3.00 min Scan# 749
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 360385
Ion Ratio Lower Upper
73 100
57 21.5 17.4 26.2

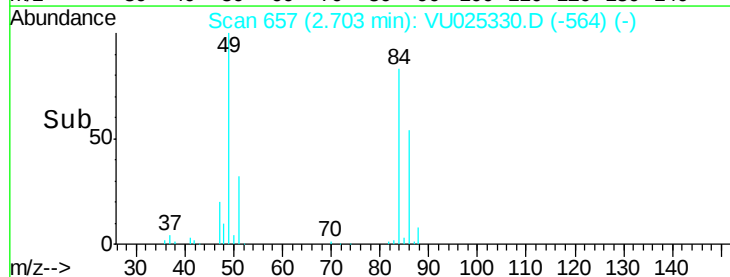
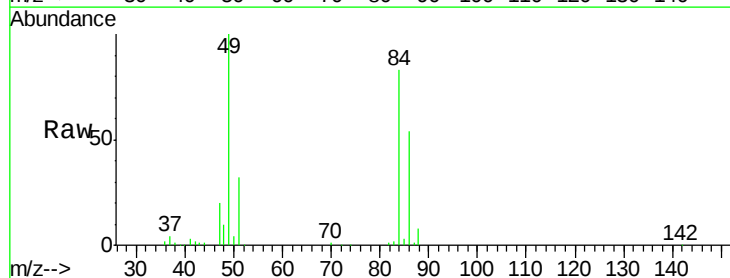
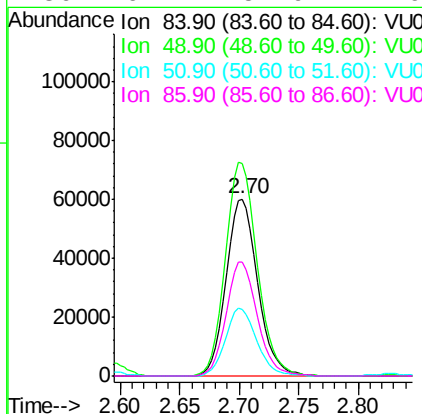
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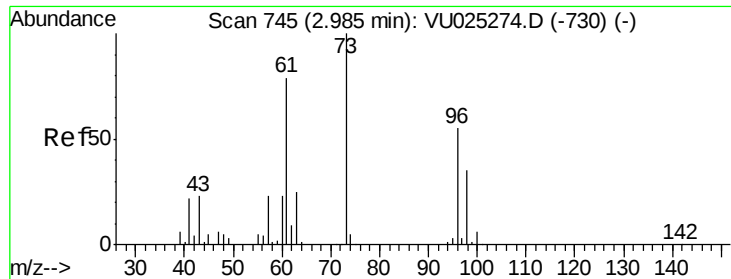
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#20
Methylene Chloride
Concen: 50.74 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion: 84 Resp: 110099
Ion Ratio Lower Upper
84 100
49 120.3 101.8 152.6
51 37.9 30.8 46.2
86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 47.05 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 98366

Ion Ratio Lower Upper

96 100

61 140.8 114.5 171.7

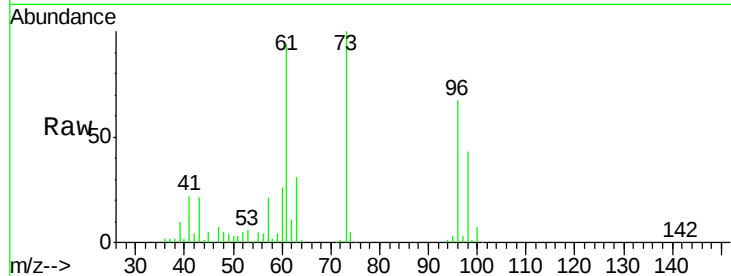
98 64.5 50.5 75.7

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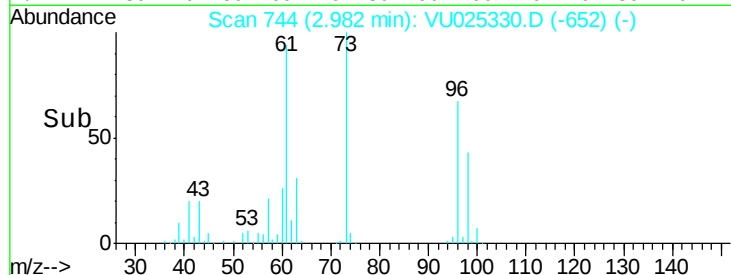


Abundance Ion 95.90 (95.60 to 96.60): VU025274.D (-730) (-)

Ion 60.90 (60.60 to 61.60): VU025274.D (-730) (-)

Ion 97.90 (97.60 to 98.60): VU025274.D (-730) (-)

Time-->

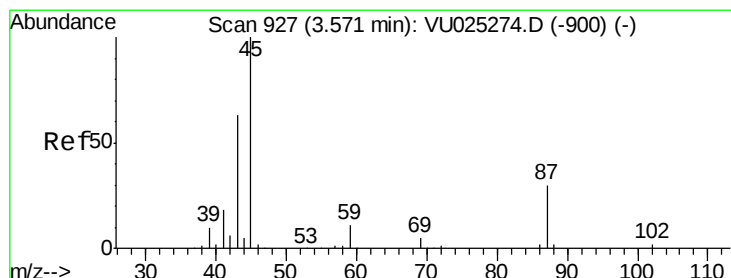


Abundance Ion 95.90 (95.60 to 96.60): VU025330.D (-652) (-)

Ion 60.90 (60.60 to 61.60): VU025330.D (-652) (-)

Ion 97.90 (97.60 to 98.60): VU025330.D (-652) (-)

Time-->



#22

Diisopropyl ether

Concen: 50.79 ug/l

RT: 3.57 min Scan# 928

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Tgt Ion: 45 Resp: 344181

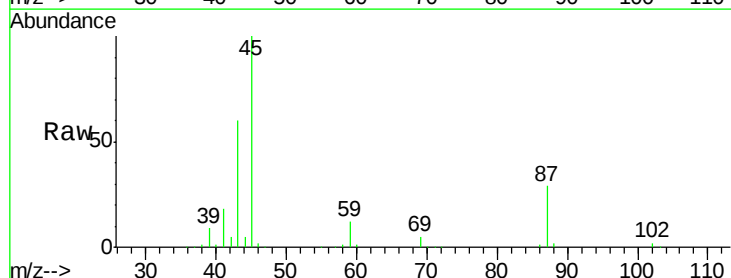
Ion Ratio Lower Upper

45 100

43 58.9 50.9 76.3

87 29.0 23.8 35.8

59 12.2 9.0 13.4



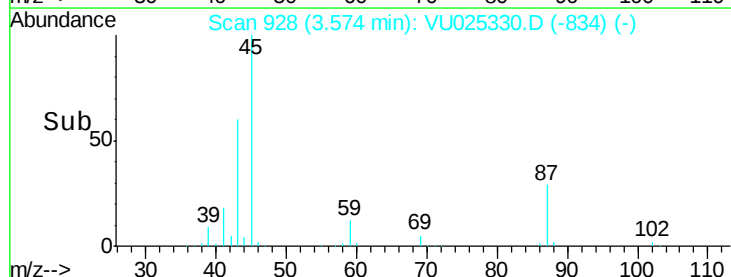
Abundance Ion 45.00 (44.70 to 45.70): VU025274.D (-900) (-)

Ion 43.00 (42.70 to 43.70): VU025274.D (-900) (-)

Ion 87.00 (86.70 to 87.70): VU025274.D (-900) (-)

Ion 59.00 (58.70 to 59.70): VU025274.D (-900) (-)

Time-->



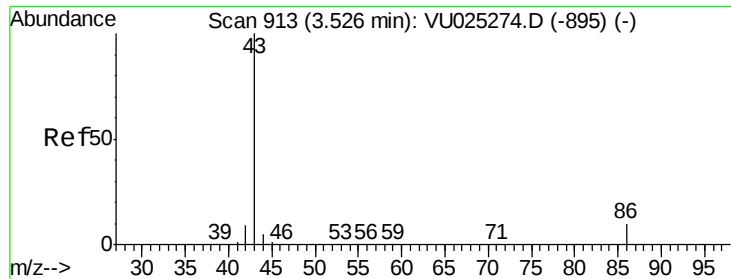
Abundance Ion 45.00 (44.70 to 45.70): VU025330.D (-834) (-)

Ion 43.00 (42.70 to 43.70): VU025330.D (-834) (-)

Ion 87.00 (86.70 to 87.70): VU025330.D (-834) (-)

Ion 59.00 (58.70 to 59.70): VU025330.D (-834) (-)

Time-->



#23

Vinyl Acetate

Concen: 256.25 ug/l

RT: 3.53 min Scan# 913

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Tot Ion: 43 Resp: 1523231

Ion Ratio Lower Upper

43 100

86 10.4 8.2 12.2

Instrument :

MSVOA_U

ClientSampleId :

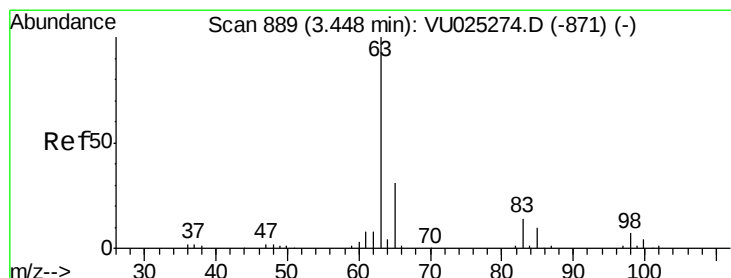
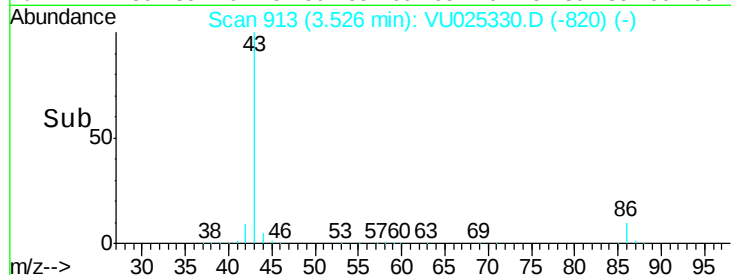
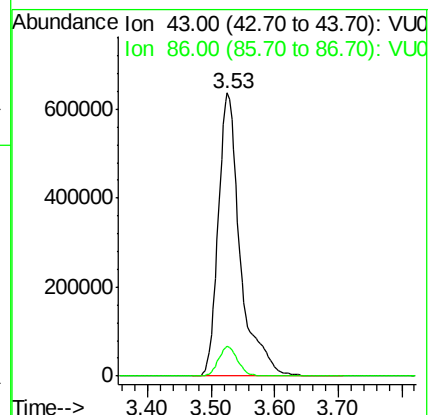
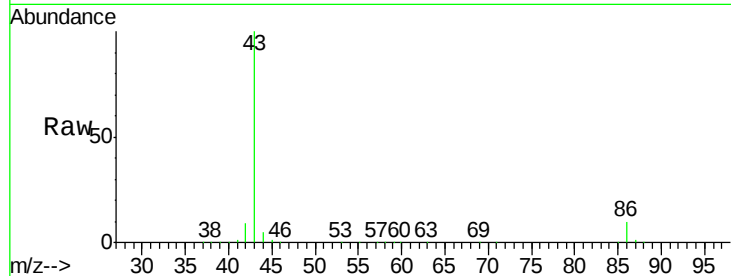
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 51.20 ug/l

RT: 3.45 min Scan# 889

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

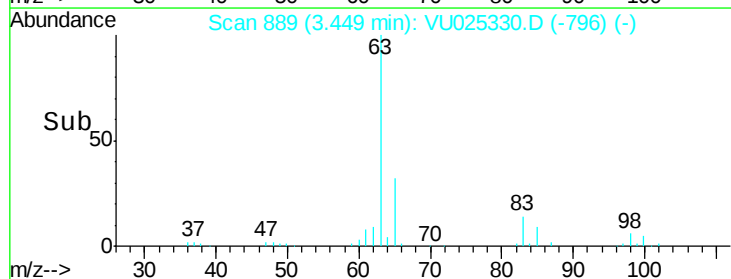
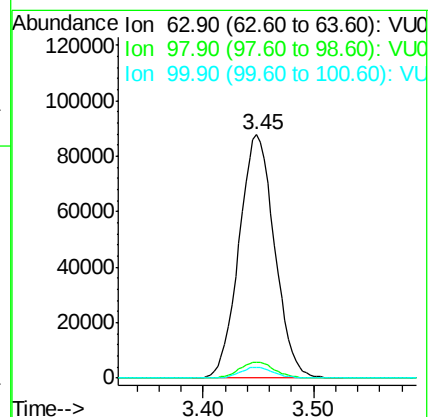
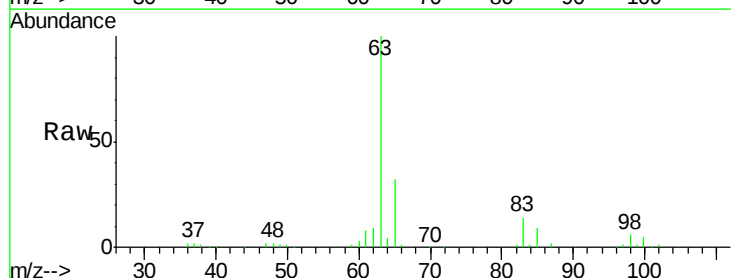
Tgt Ion: 63 Resp: 195682

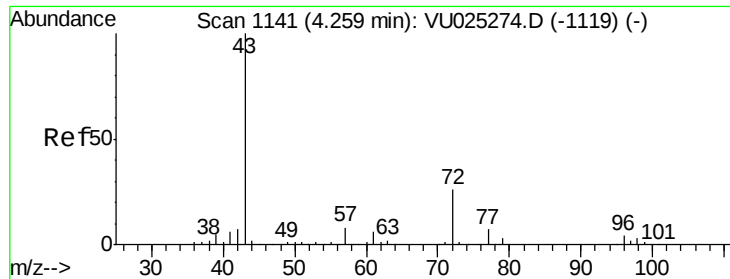
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 248.29 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 482596

Ion Ratio Lower Upper

43 100

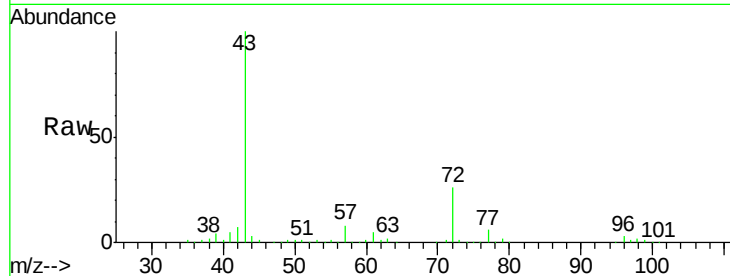
72 26.2 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

200000

150000

100000

50000

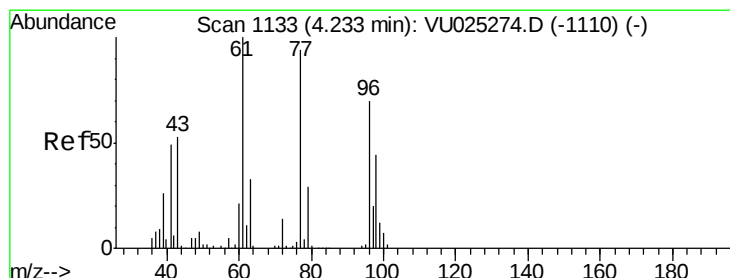
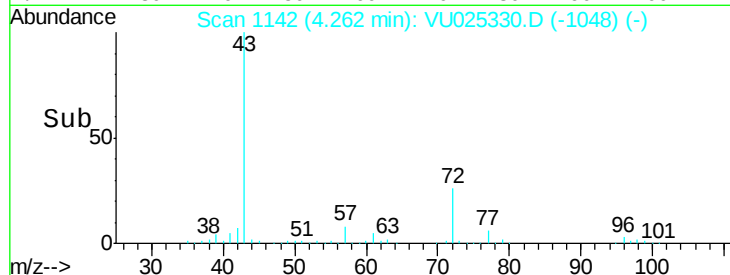
0

4.20

4.26

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 40.29 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025330.D

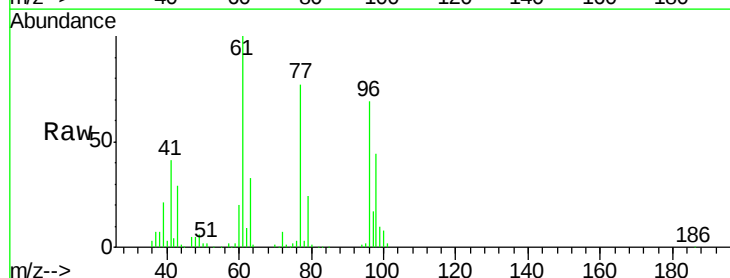
Acq: 11 Jul 2018 21:33

Tgt Ion: 77 Resp: 148050

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

60000

50000

40000

30000

20000

10000

0

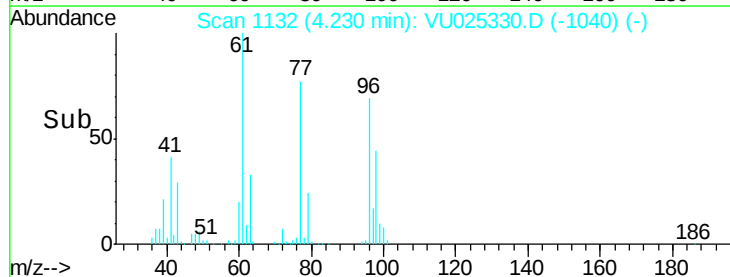
4.10

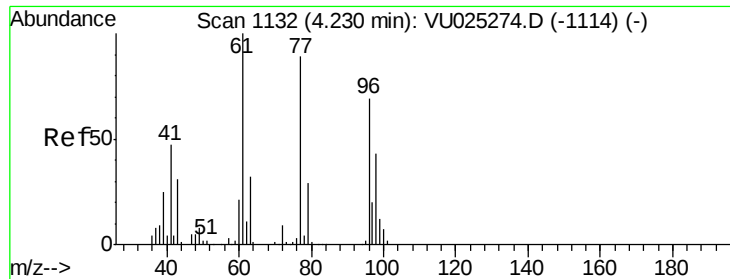
4.20

4.23

4.30

Time-->





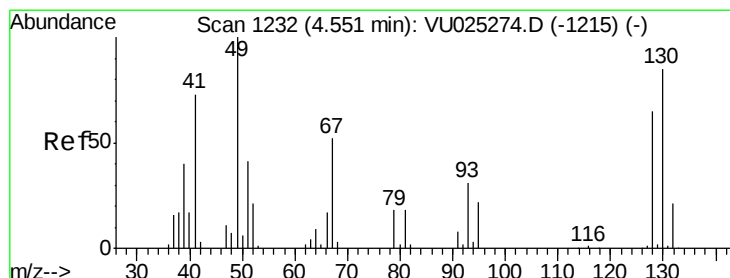
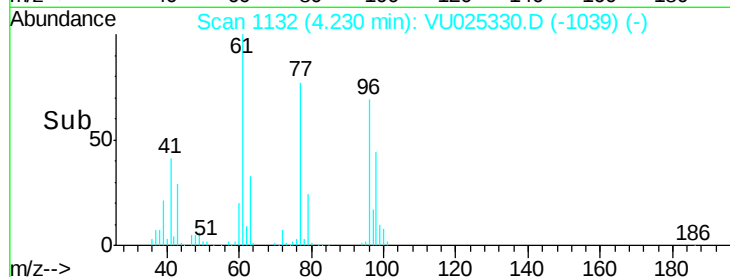
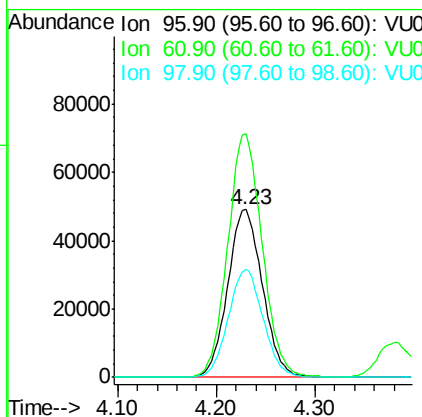
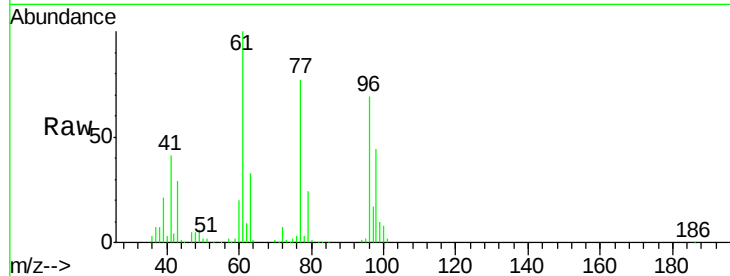
#27
 cis-1,2-Dichloroethene
 Concen: 49.72 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	120286		
61	144.5	0.0	299.8	
98	64.7	0.0	128.6	

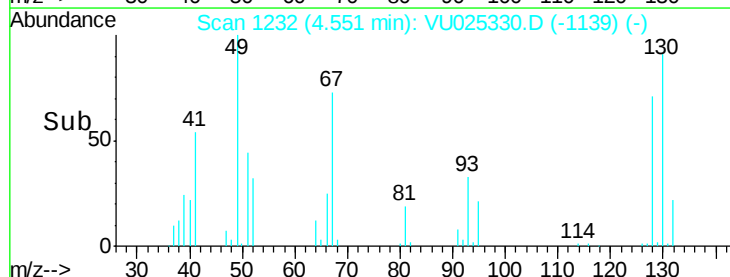
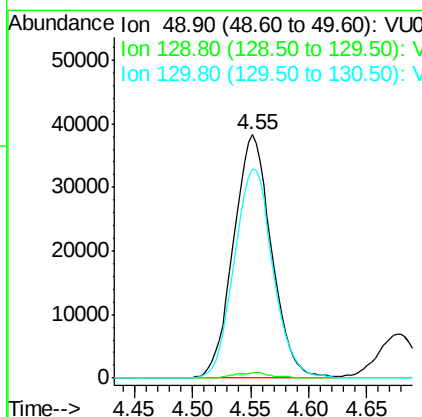
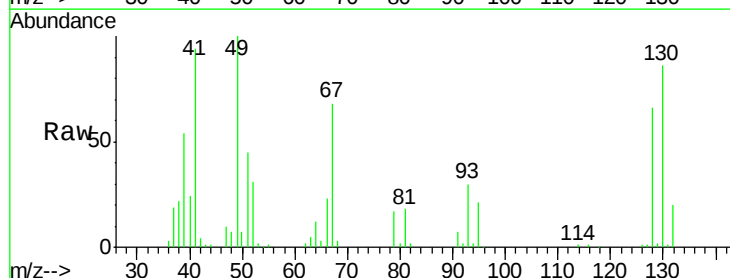
Manual Integrations
 APPROVED

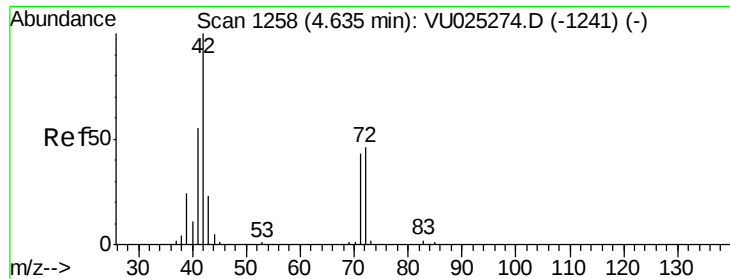
MMDadoda
 7/12/2018 11:04:23 AM



#28
 Bromochloromethane
 Concen: 47.27 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	87229		
129	2.2	0.0	4.6	
130	87.7	68.6	102.8	





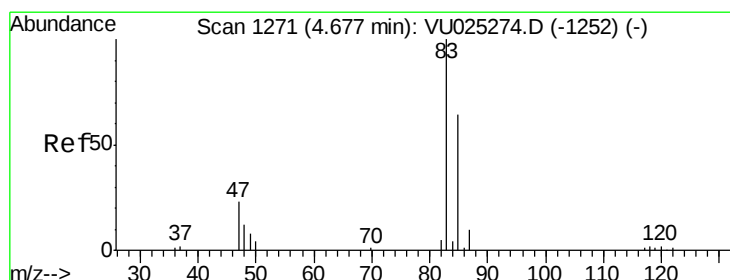
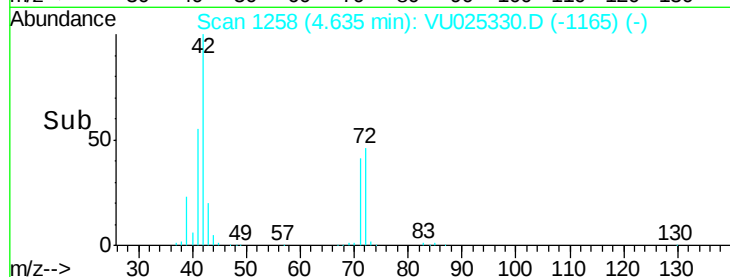
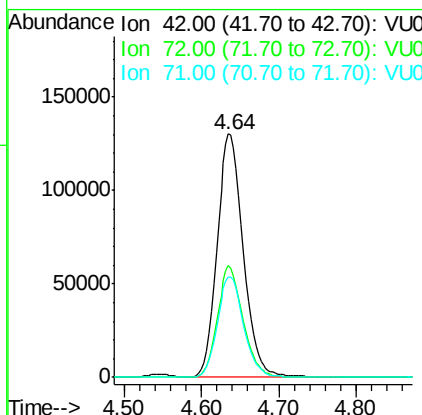
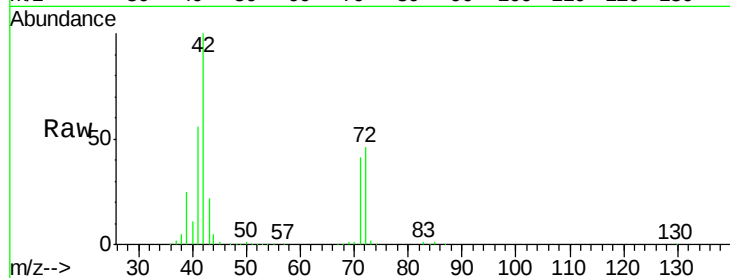
#29
Tetrahydrofuran
Concen: 261.47 ug/l
RT: 4.64 min Scan# 1258
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	36.7	55.1
71	41.8	33.9	50.9

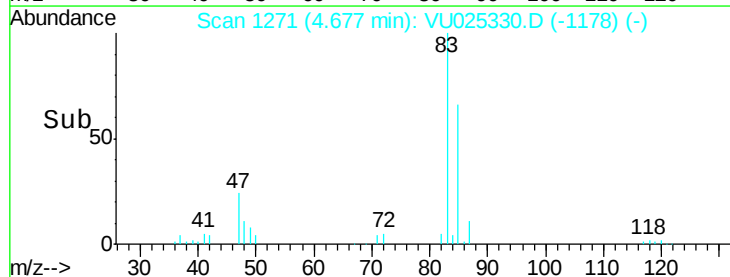
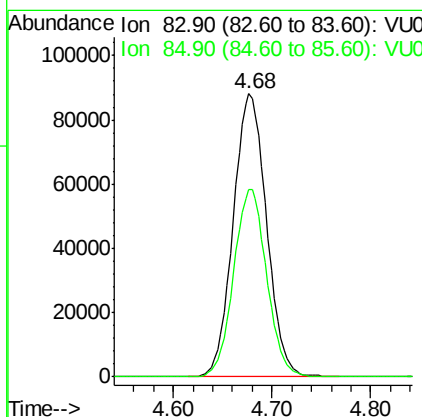
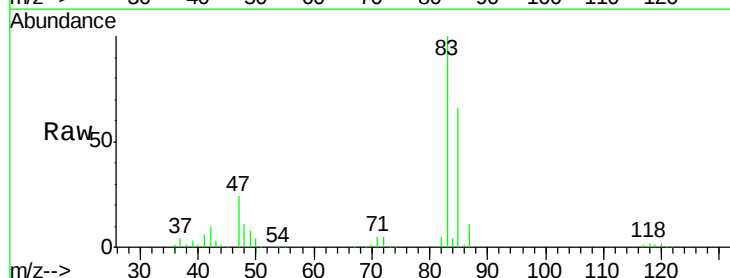
Manual Integrations
APPROVED

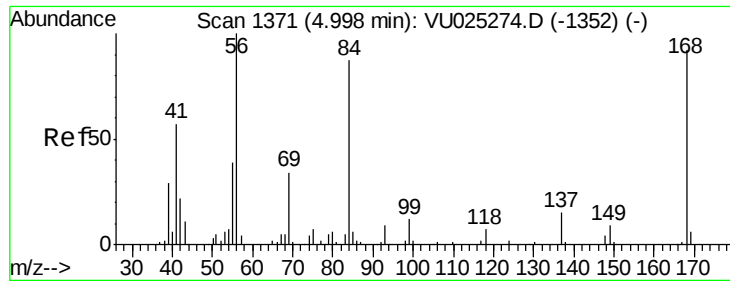
MMDadoda
7/12/2018 11:04:23 AM



#30
Chloroform
Concen: 51.11 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.5	77.3





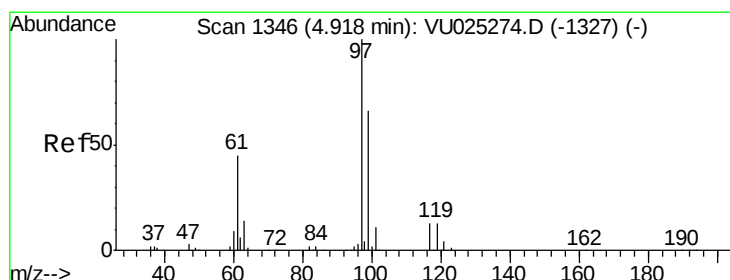
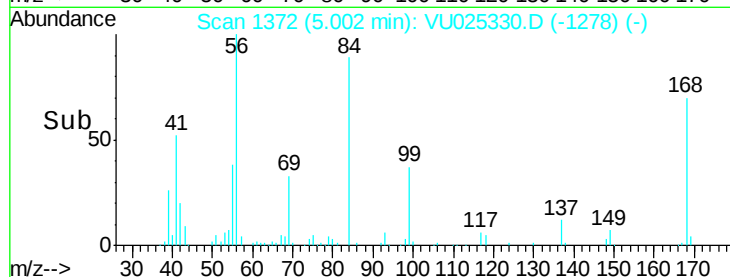
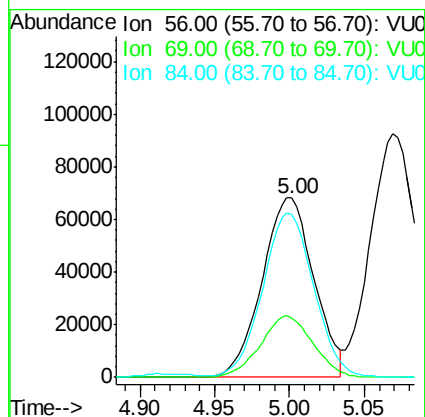
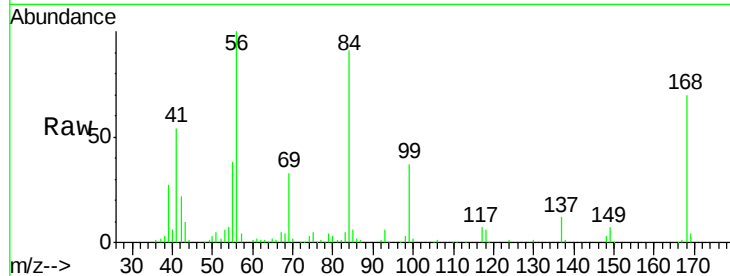
#31
Cyclohexane
Concen: 46.40 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.8	40.2
84	89.4	69.7	104.5

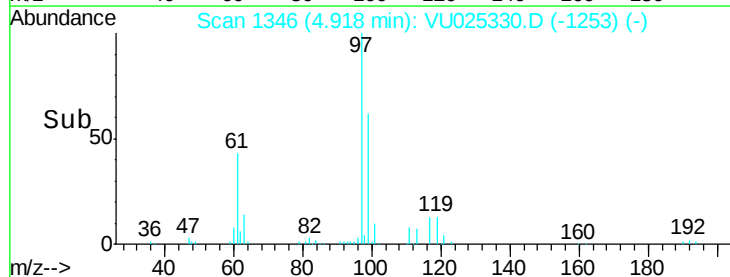
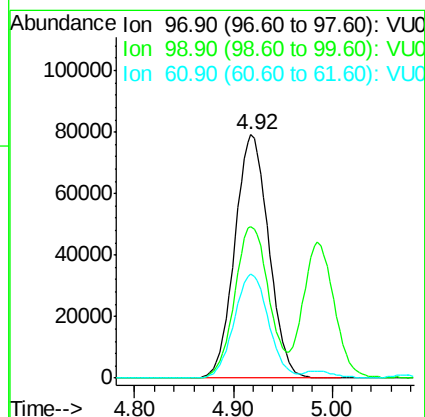
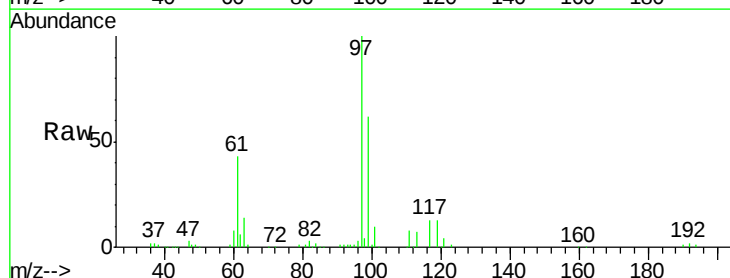
Manual Integrations
APPROVED

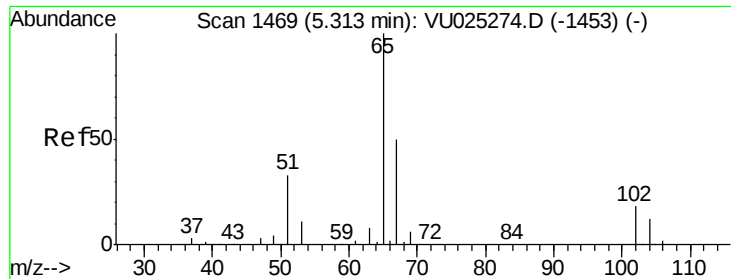
MMDadoda
7/12/2018 11:04:23 AM



#32
1,1,1-Trichloroethane
Concen: 51.51 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.8	76.2
61	43.4	35.2	52.8





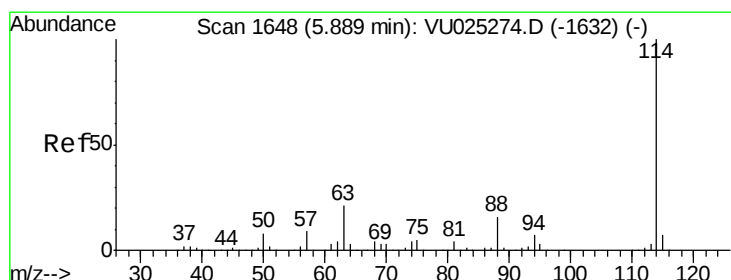
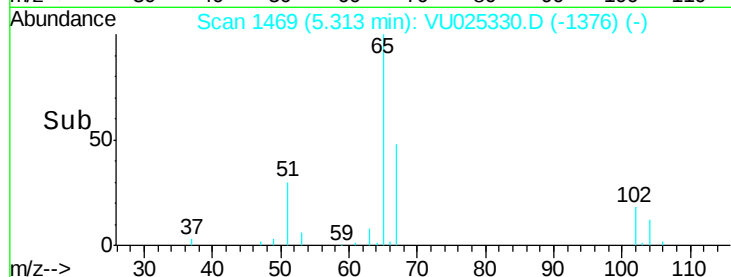
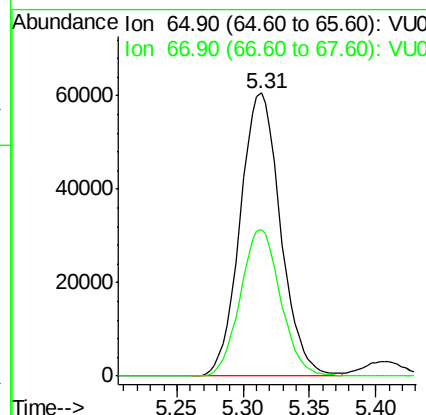
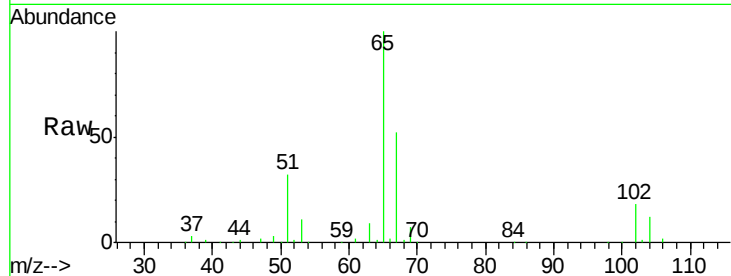
#33
 1,2-Dichloroethane-d4
 Concen: 45.83 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.6

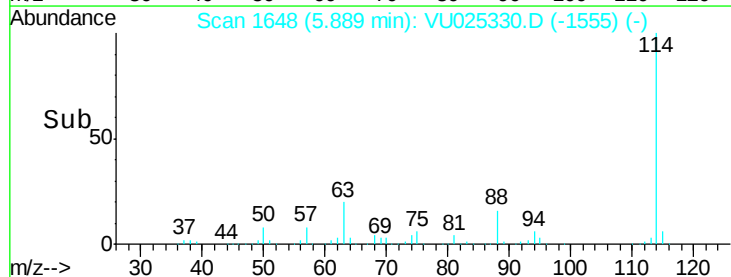
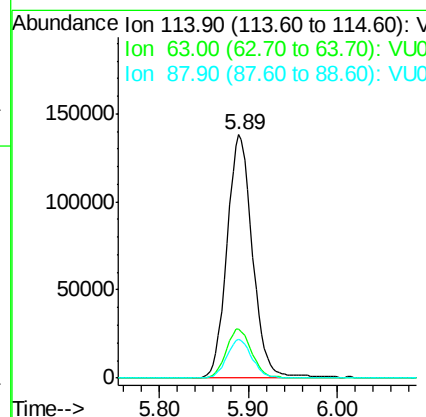
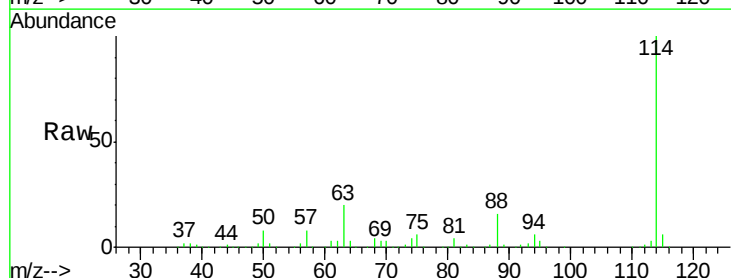
Manual Integrations
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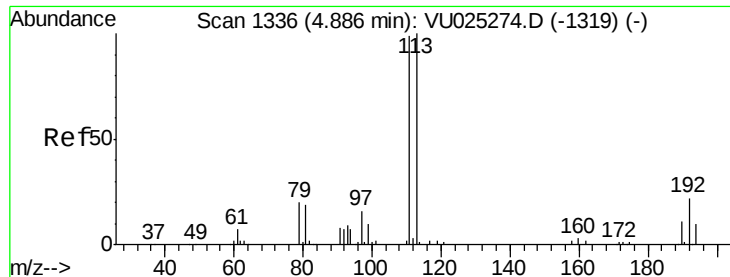
MMDadoda
 7/12/2018 11:04:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	41.6
88	16.1	0.0	32.4





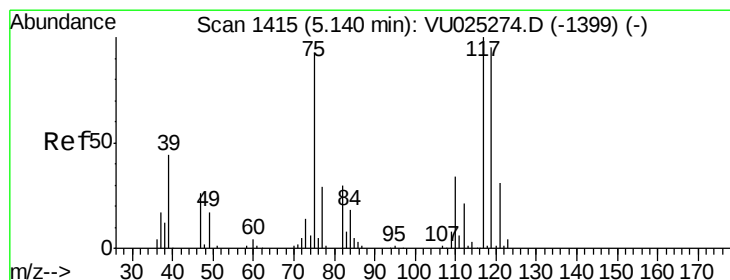
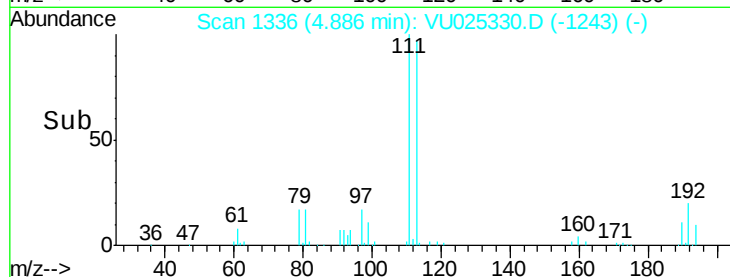
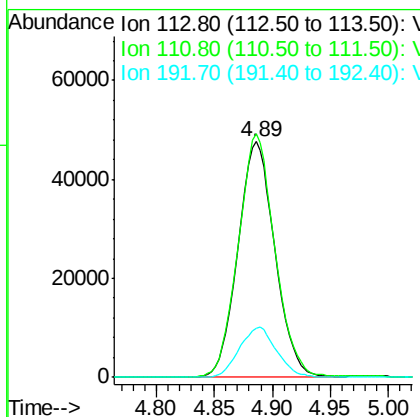
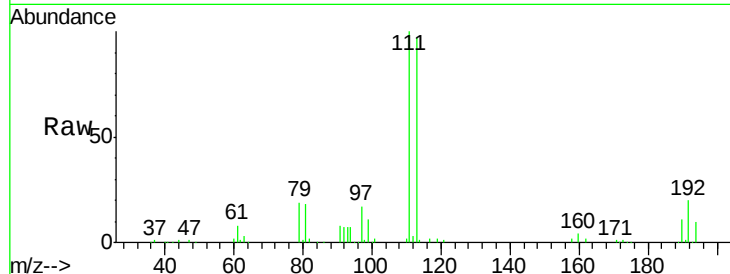
#35
Dibromofluoromethane
Concen: 45.58 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.7	122.5
192	21.4	17.1	25.7

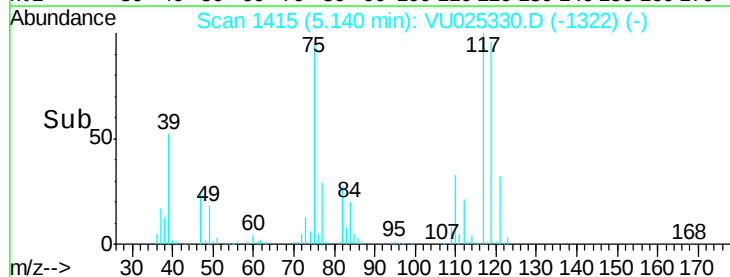
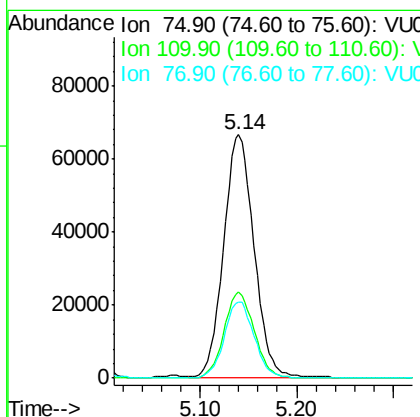
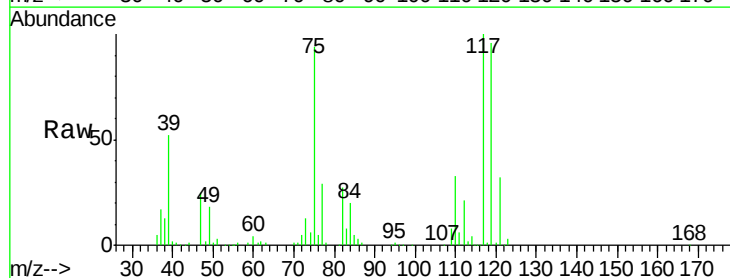
Manual Integrations
APPROVED

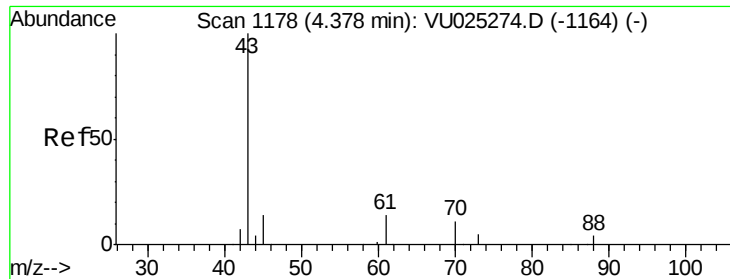
MMDadoda
7/12/2018 11:04:23 AM



#36
1,1-Dichloropropene
Concen: 47.38 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.6	52.9
77	30.5	24.4	36.6





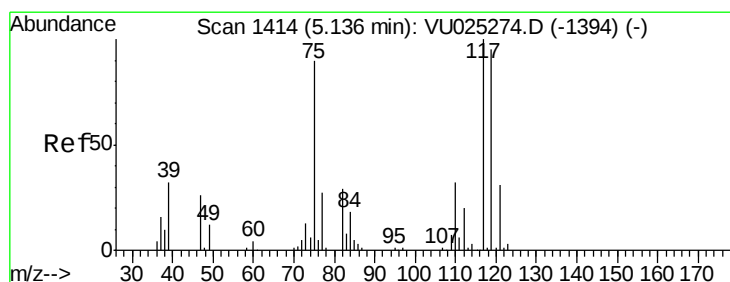
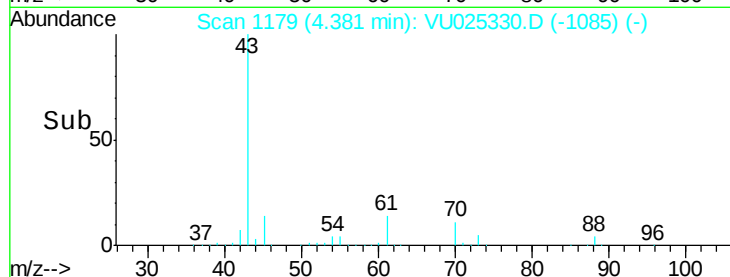
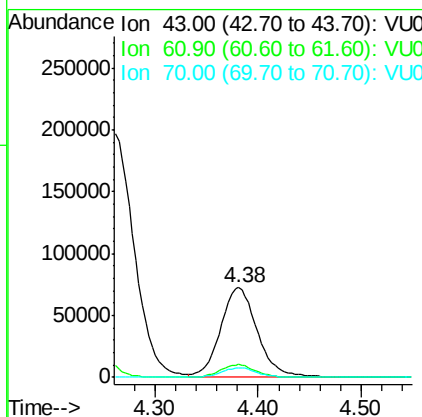
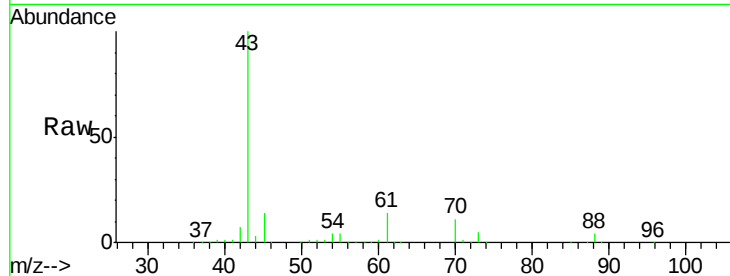
#37
Ethyl Acetate
Concen: 51.94 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	176440		
Ratio	100	14.2	10.5
Lower		10.7	8.4
Upper		16.1	12.6

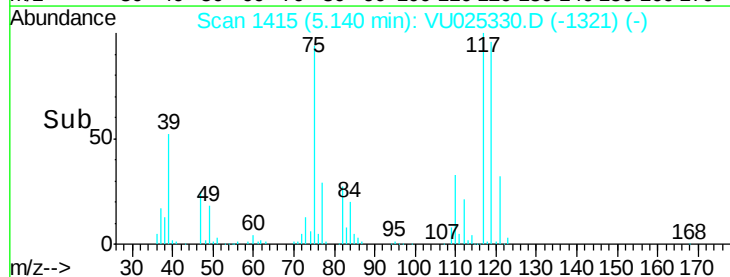
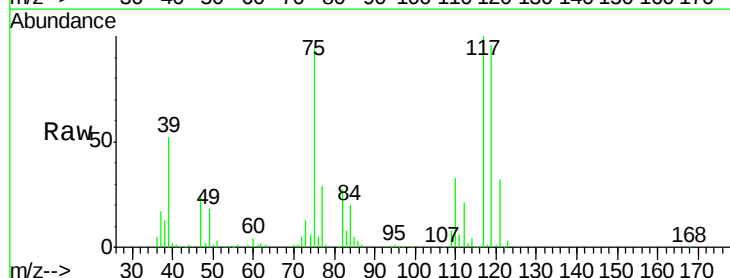
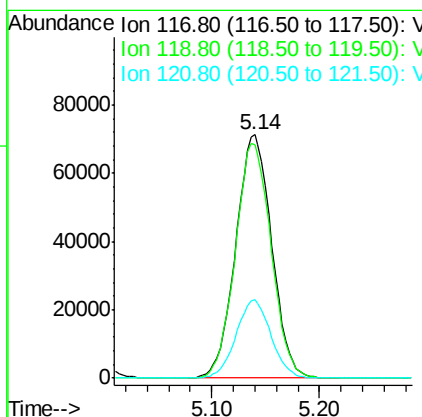
Manual Integrations
APPROVED

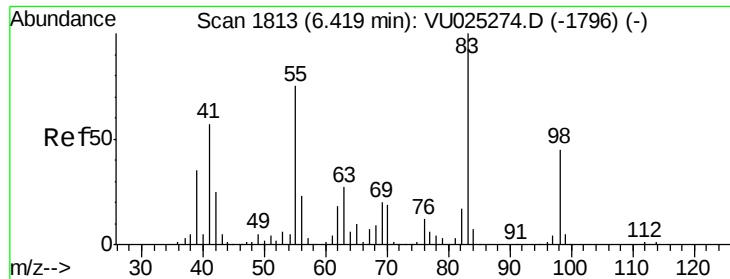
MMDadoda
7/12/2018 11:04:23 AM



#38
Carbon Tetrachloride
Concen: 50.37 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	117	119	121
Resp	165120		
Ratio	100	95.9	32.0
Lower		75.7	24.6
Upper		113.5	36.8





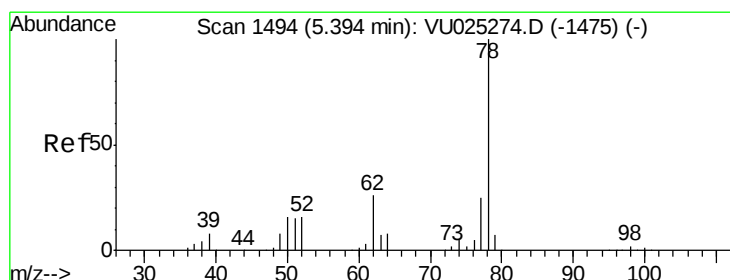
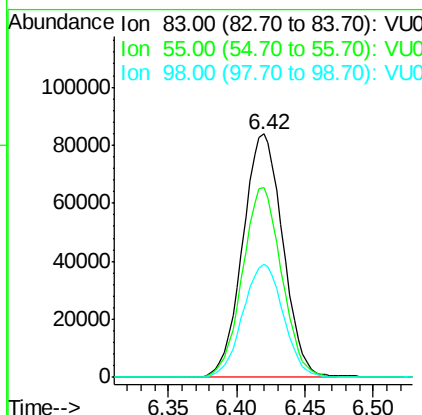
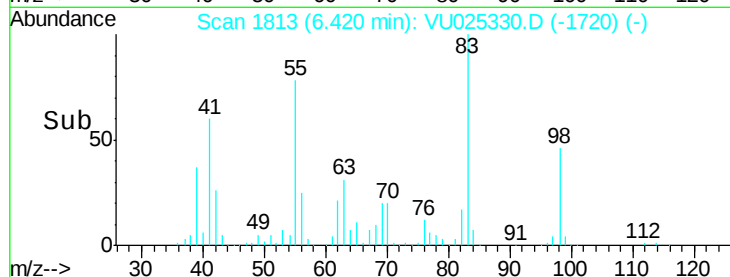
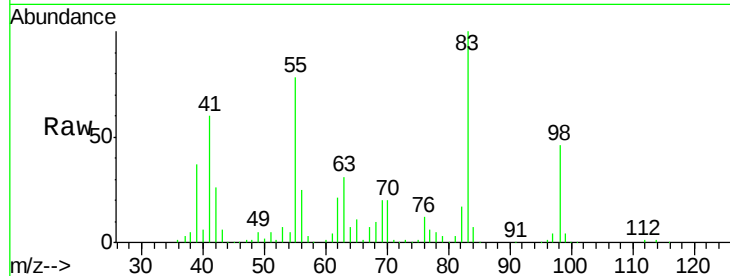
#39
Methvlcvclohexane
Concen: 45.07 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	60.0	90.0
98	46.2	36.1	54.1

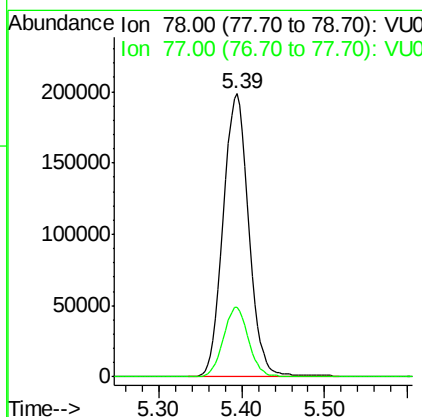
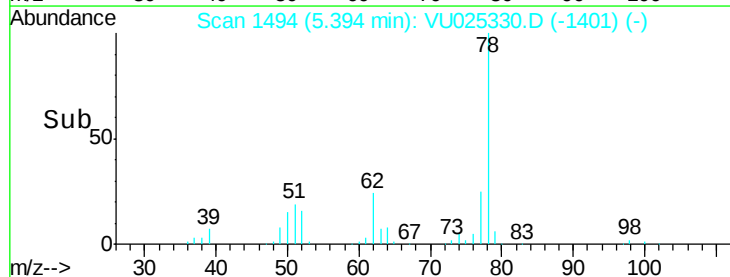
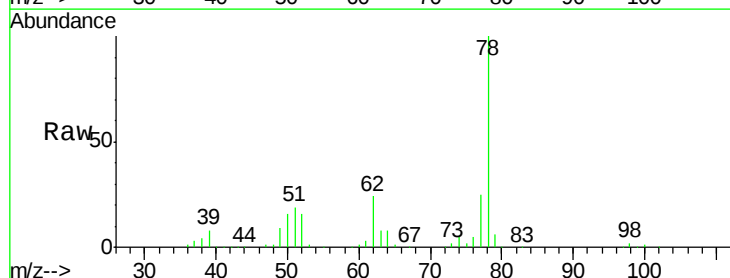
Manual Integrations
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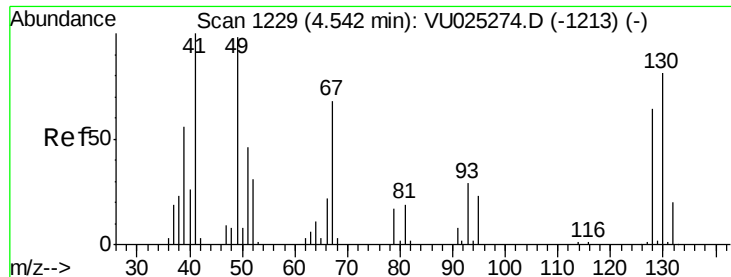
MMDadoda
7/12/2018 11:04:23 AM



#40
Benzene
Concen: 48.74 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.8	29.6





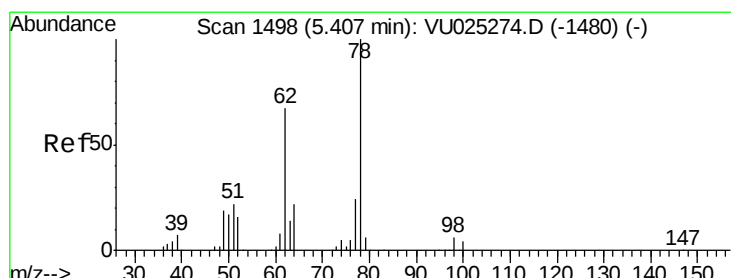
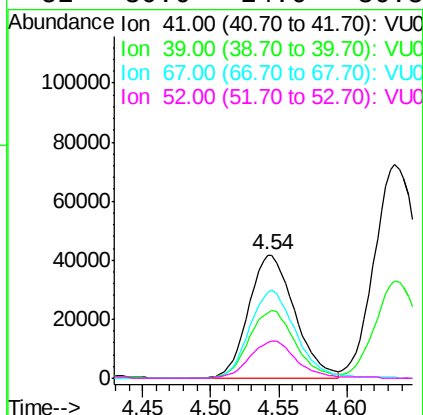
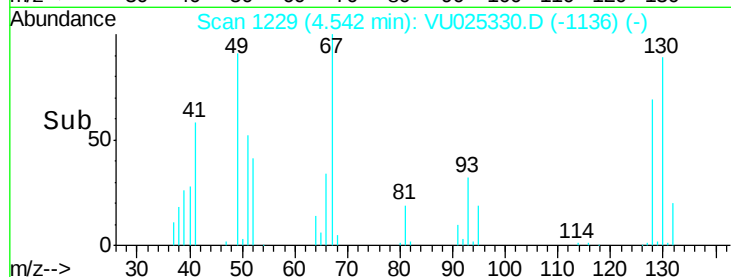
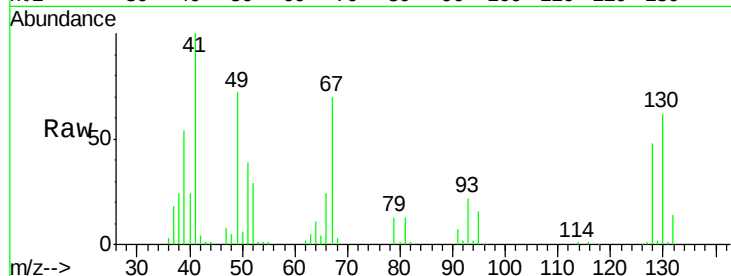
#41
Methacrylonitrile
Concen: 52.13 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.0	44.4	66.6	
67	71.6	56.0	84.0	
52	30.6	24.6	36.8	

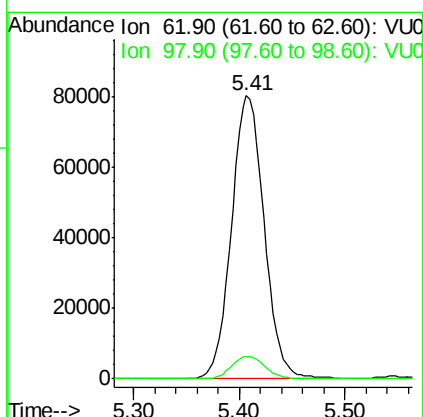
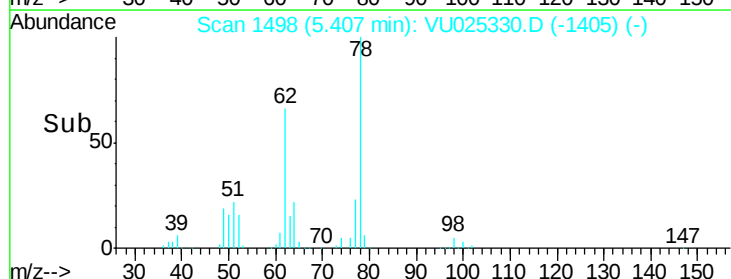
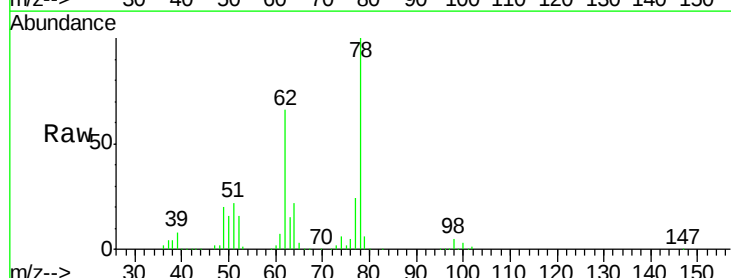
Manual Integrations
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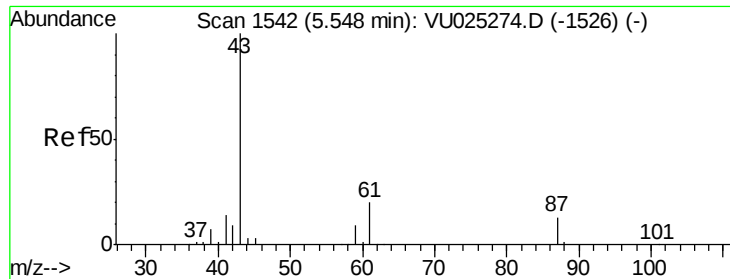
MMDadoda
7/12/2018 11:04:23 AM



#42
1,2-Dichloroethane
Concen: 49.33 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.1	0.0	16.4	





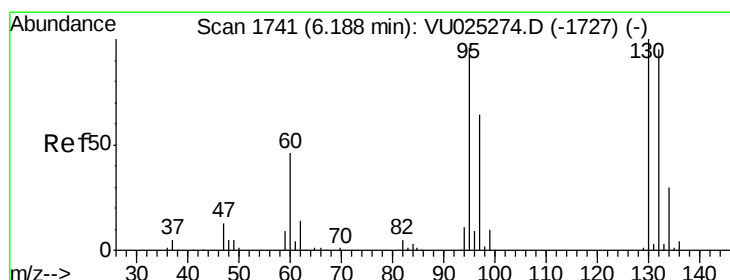
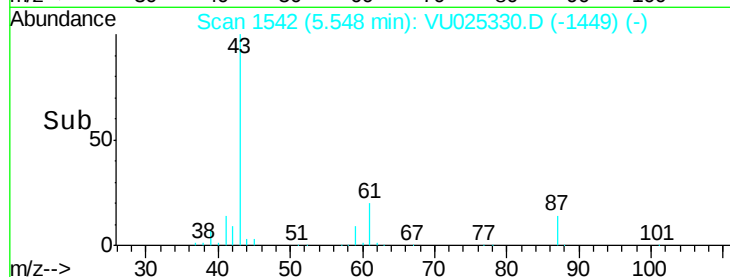
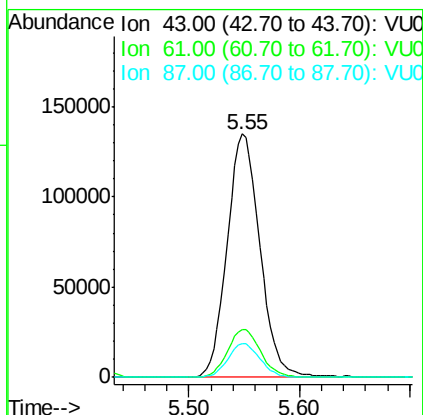
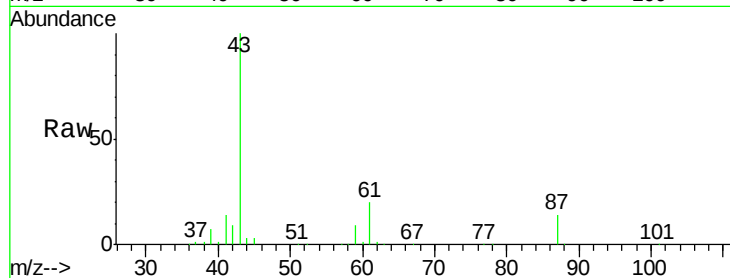
#43
Isopropyl Acetate
Concen: 50.84 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.9	15.5	23.3
87	13.8	10.6	16.0

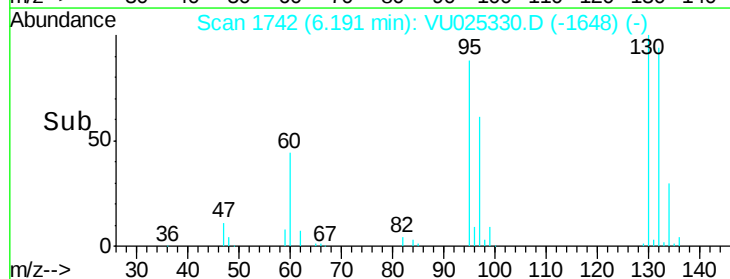
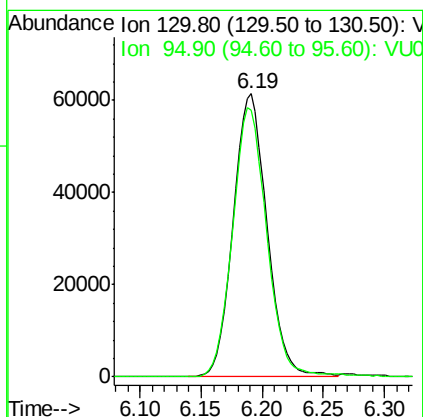
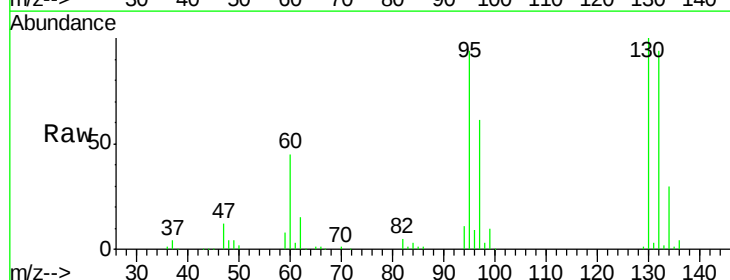
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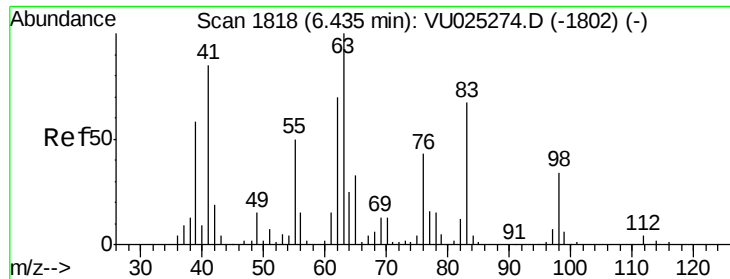
MMDadoda
7/12/2018 11:04:23 AM



#44
Trichloroethene
Concen: 46.92 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	192.2





#45

1,2-Dichloropropane

Concen: 49.49 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 113782

Ion Ratio Lower Upper

63 100

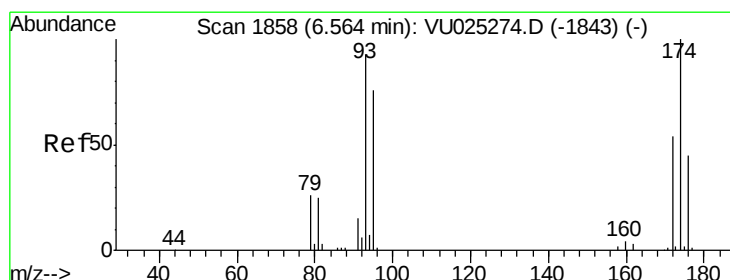
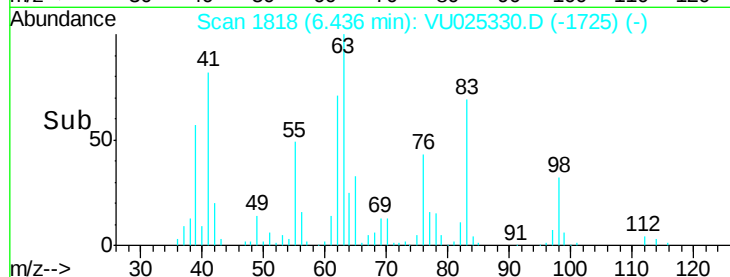
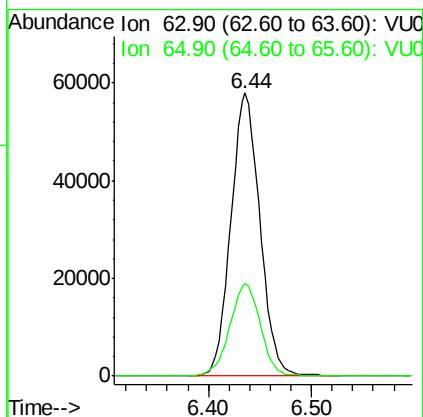
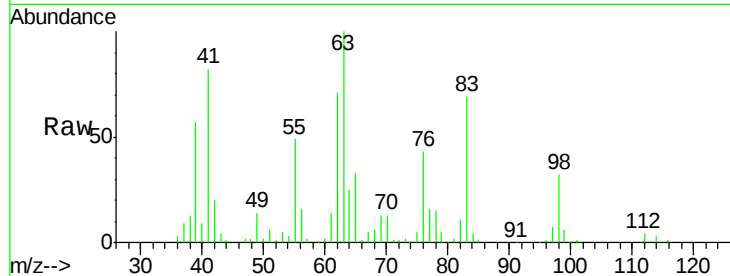
65 32.6 26.1 39.1

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#46

Dibromomethane

Concen: 49.85 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

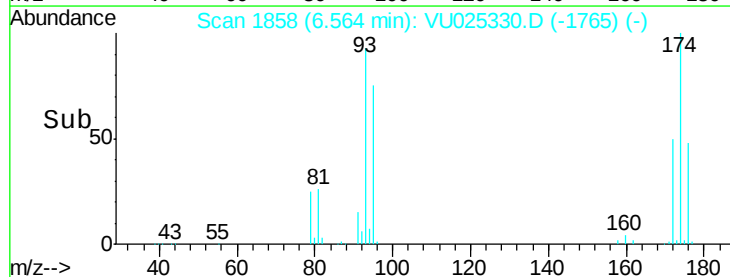
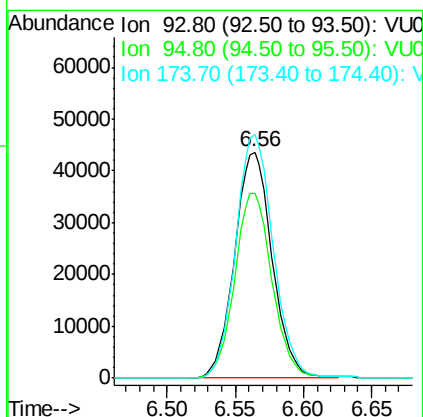
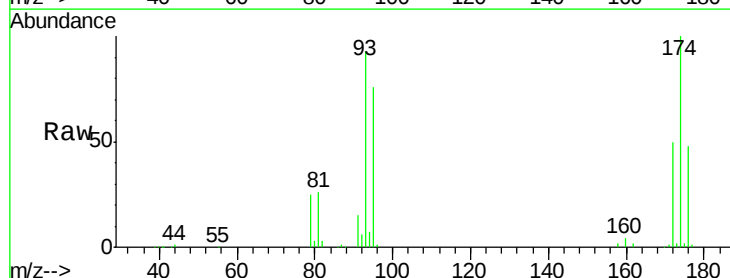
Tgt Ion: 93 Resp: 83397

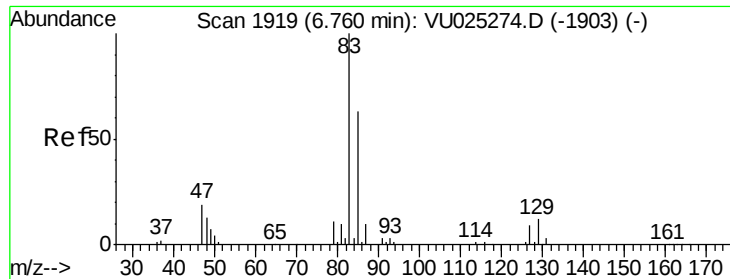
Ion Ratio Lower Upper

93 100

95 81.7 66.6 100.0

174 108.0 85.8 128.8





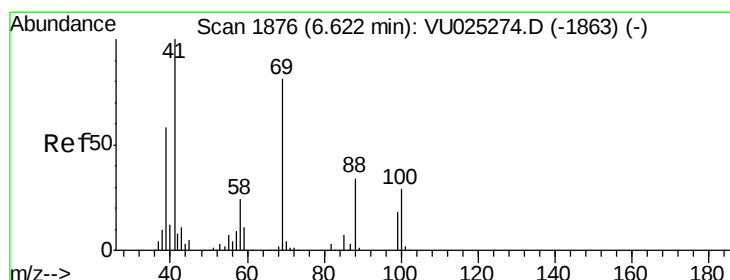
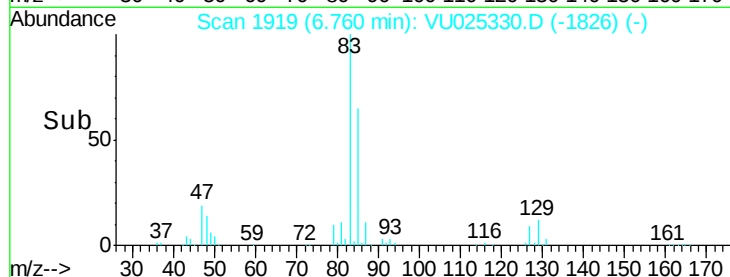
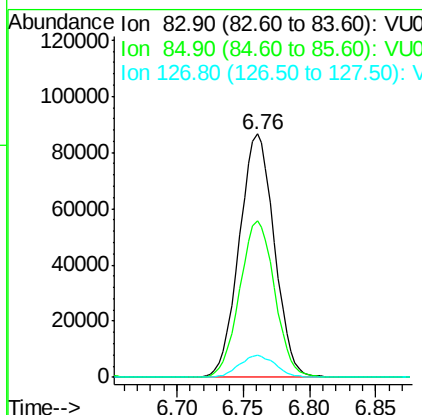
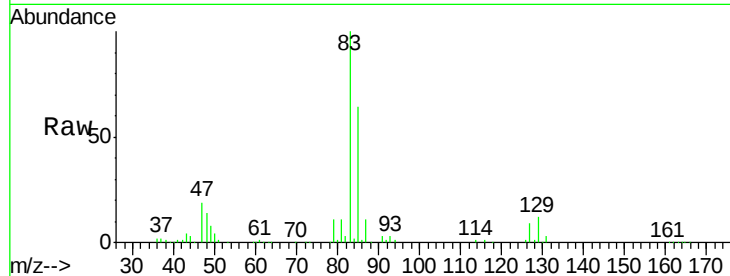
#47
Bromodichloromethane
Concen: 51.29 ug/l
RT: 6.76 min Scan# 1919
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	159398
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.2	75.4
127	9.0	7.2	10.8

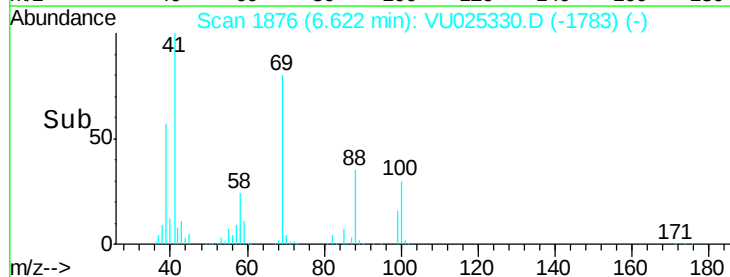
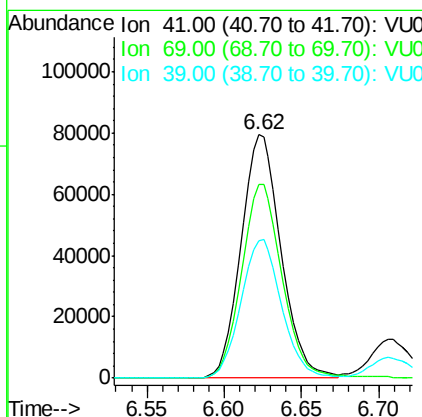
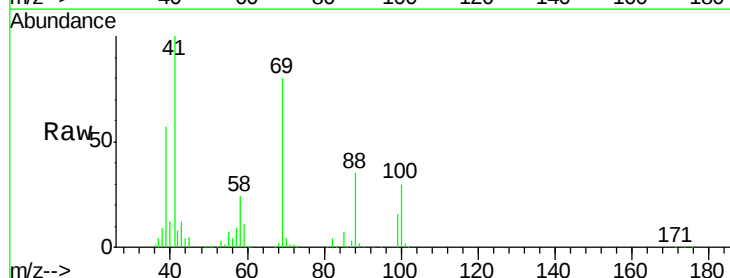
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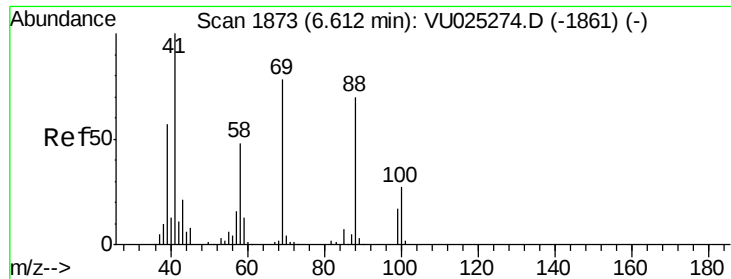
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#48
Methyl methacrylate
Concen: 52.40 ug/l
RT: 6.62 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	41	Resp	142081
Ion Ratio	100	Lower	Upper
41	100		
69	81.4	65.0	97.4
39	58.1	46.4	69.6





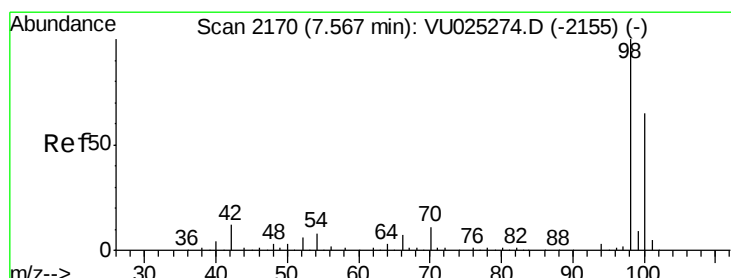
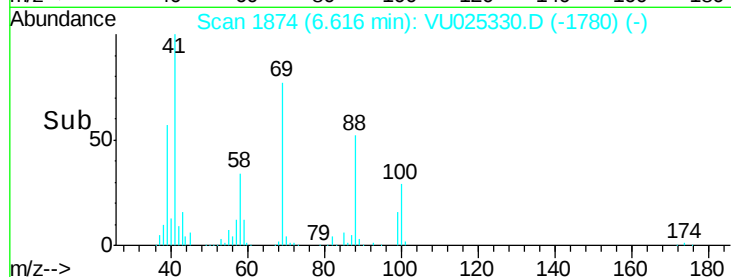
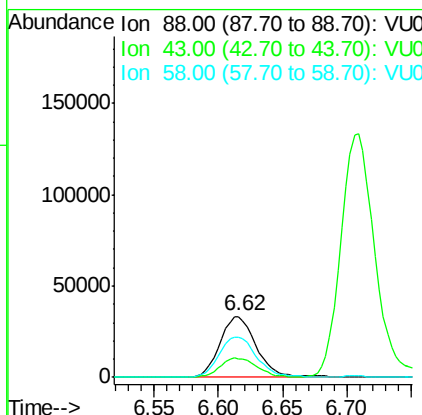
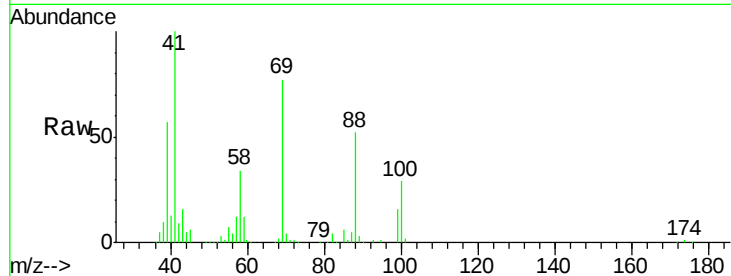
#49
1,4-Dioxane
Concen: 983.05 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.3	40.9
58	69.9	57.6	86.4

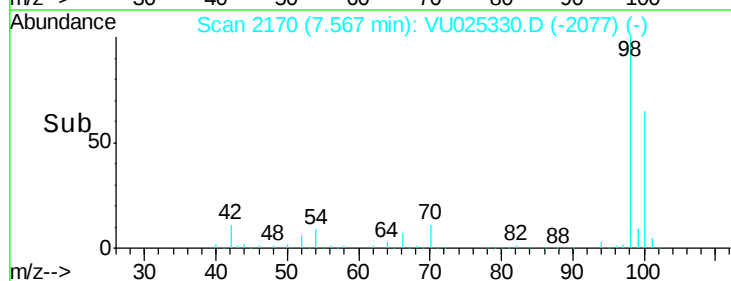
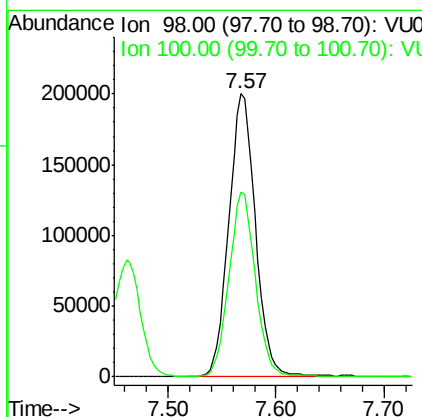
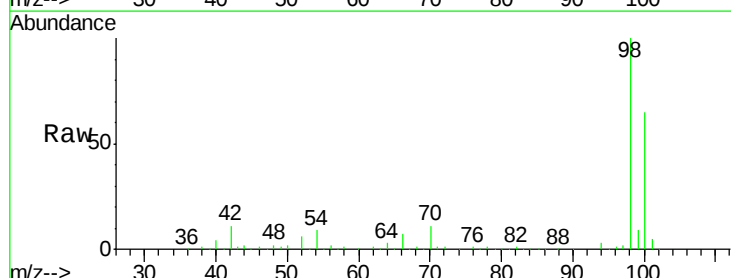
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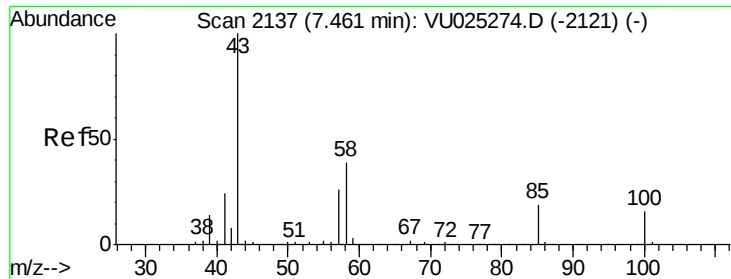
MMDadoda
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#50
Toluene-d8
Concen: 43.77 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 260.33 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 920367

Ion Ratio Lower Upper

43 100

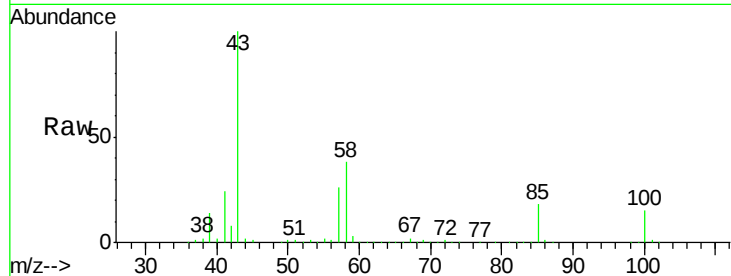
58 38.9 31.0 46.4

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.46

500000

400000

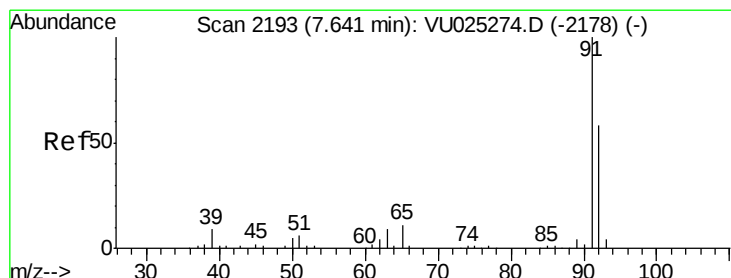
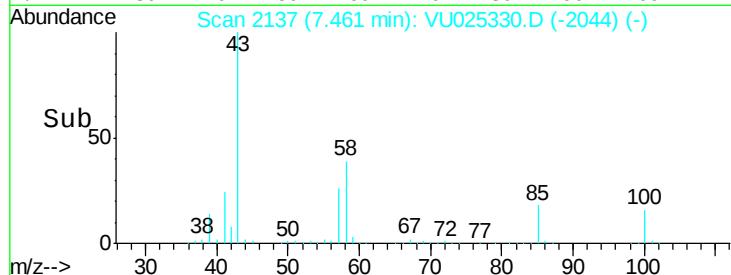
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.27 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025330.D

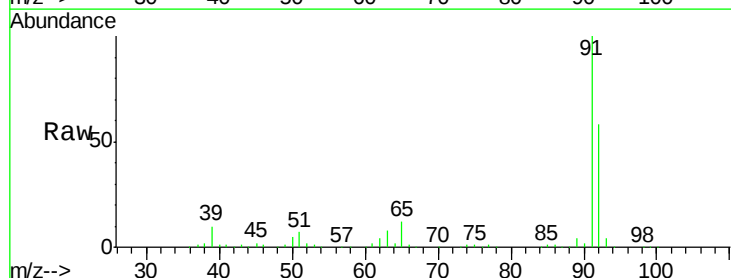
Acq: 11 Jul 2018 21:33

Tgt Ion: 92 Resp: 275109

Ion Ratio Lower Upper

92 100

91 173.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

7.64

300000

250000

200000

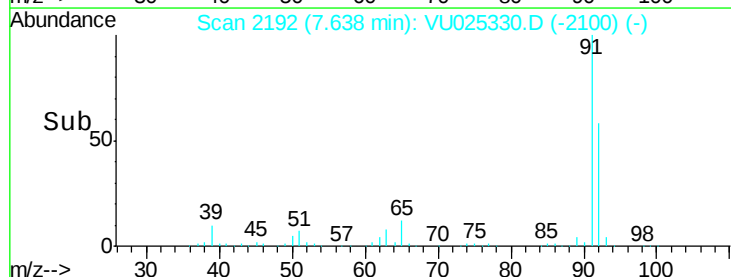
150000

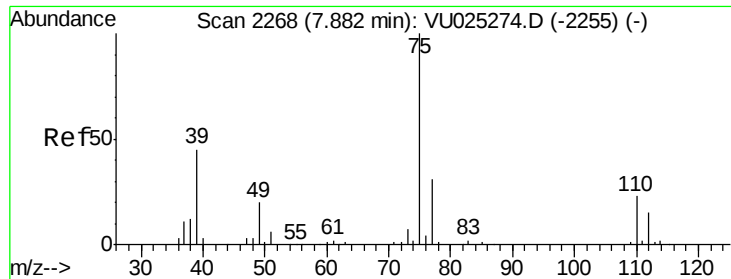
100000

50000

0

Time-->





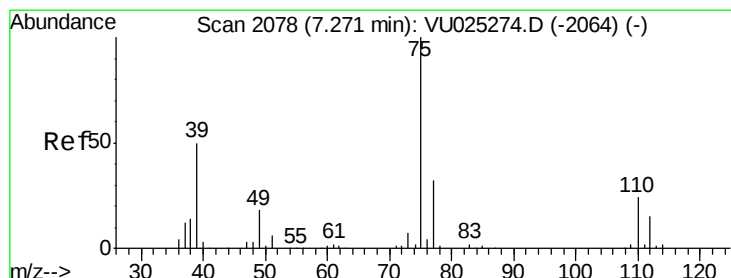
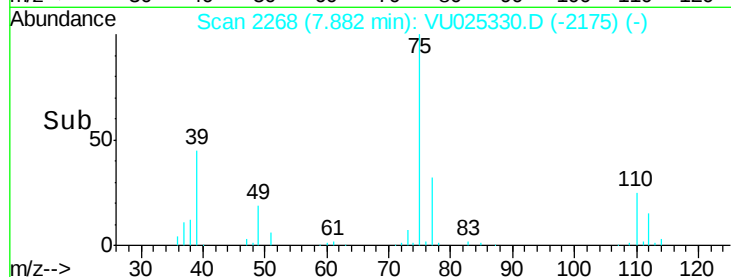
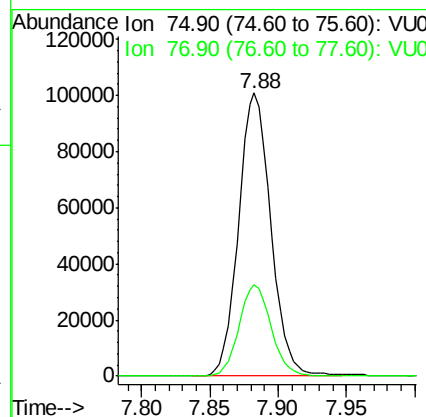
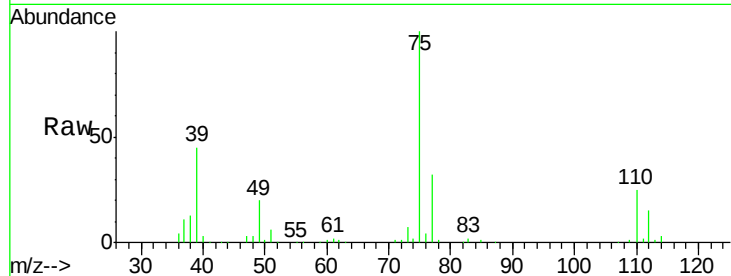
#53
 t-1,3-Dichloropropene
 Concen: 48.53 ug/l
 RT: 7.88 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 165723
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.5 36.7

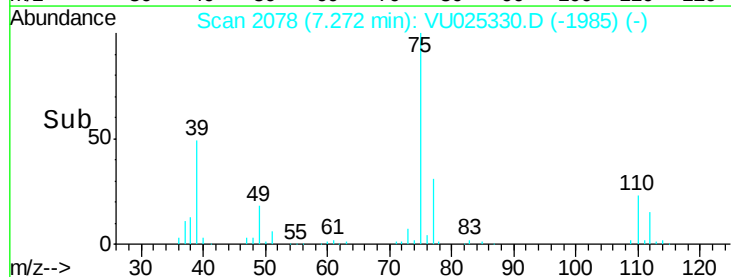
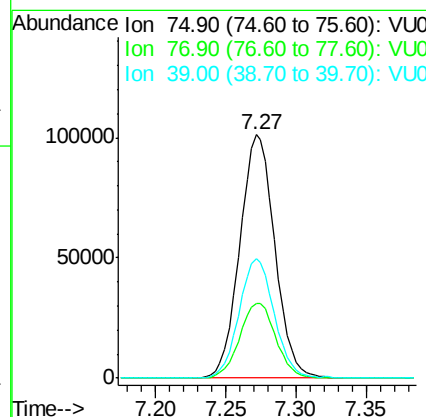
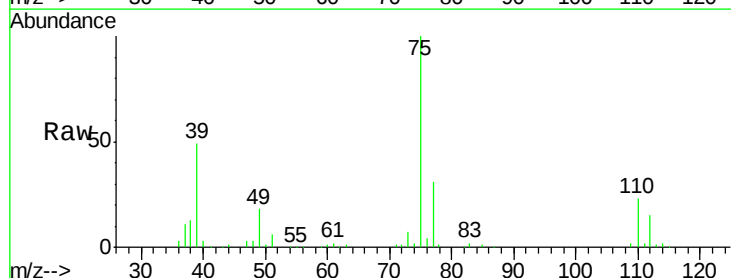
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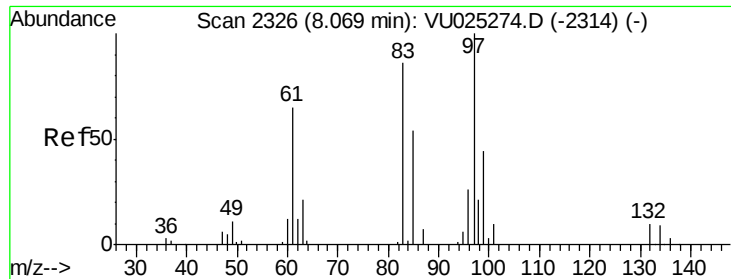
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 7/12/2018 11:04:23 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.52 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion: 75 Resp: 176339
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4
 39 49.1 40.0 60.0





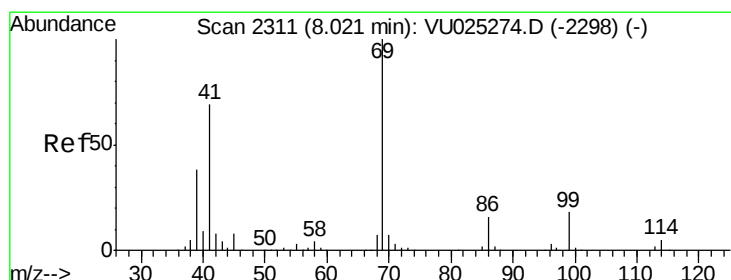
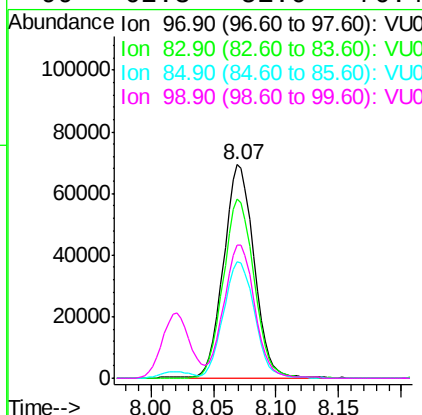
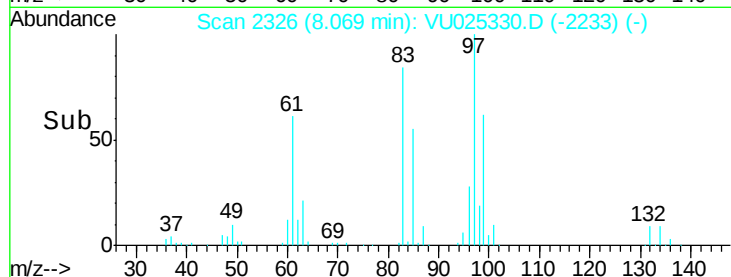
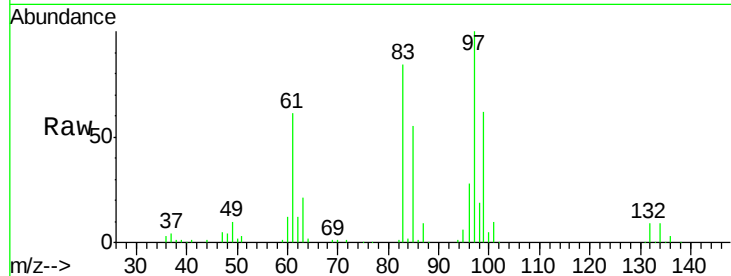
#55
 1,1,2-Trichloroethane
 Concen: 49.97 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		116223		
83	84.3	68.9	103.3		
85	54.9	44.4	66.6		
99	62.3	51.0	76.4		

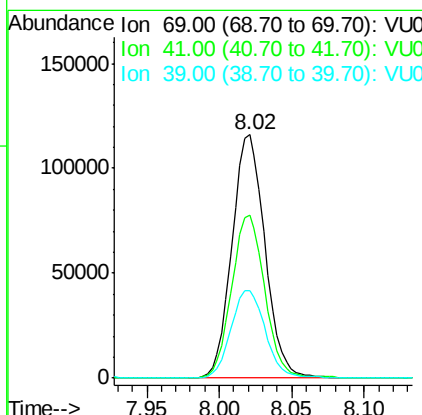
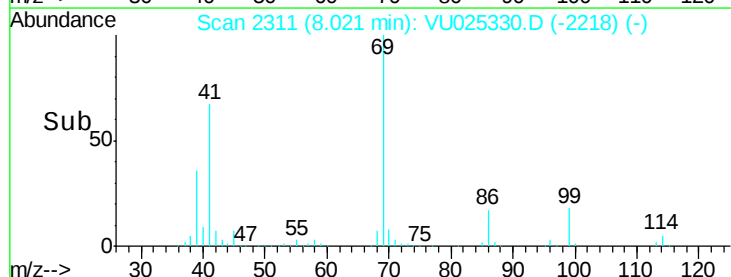
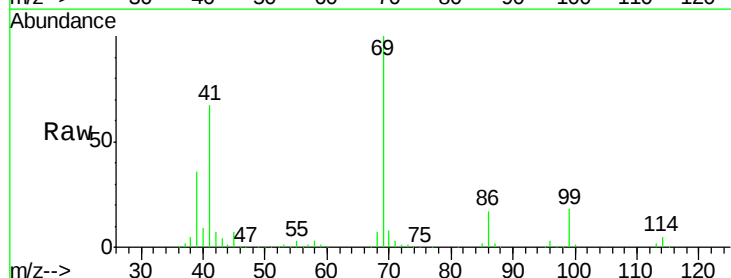
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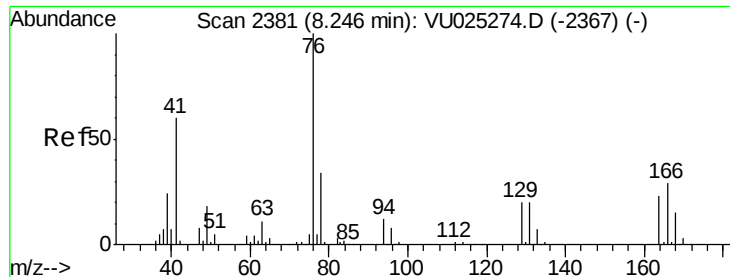
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#56
 Ethyl methacrylate
 Concen: 50.69 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		184113		
41	67.0	54.8	82.2		
39	37.0	31.1	46.7		





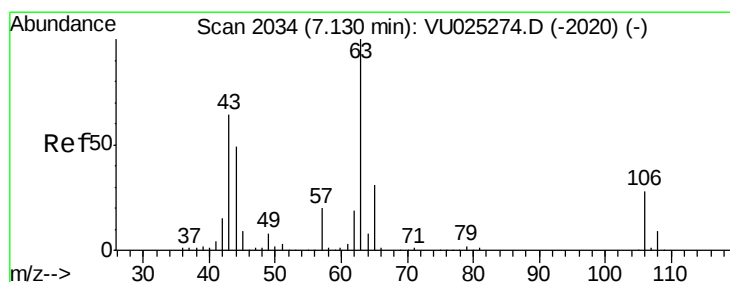
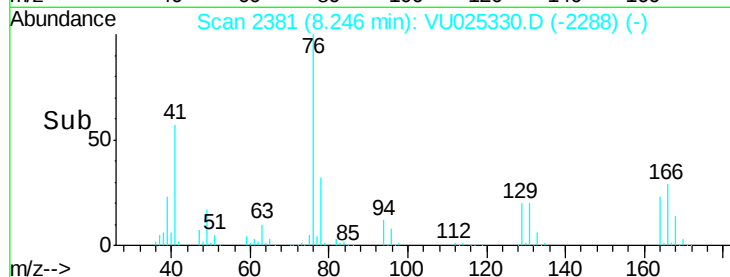
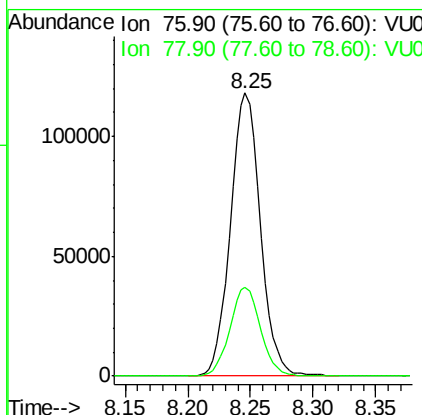
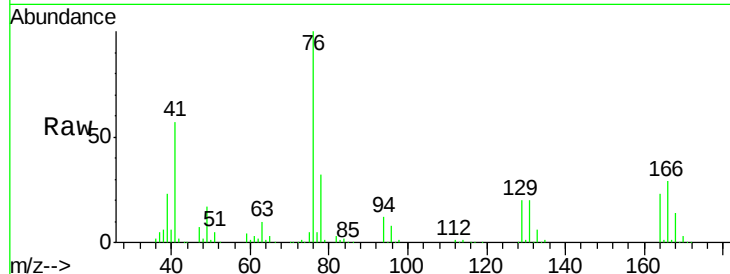
#57
 1,3-Dichloropropane
 Concen: 50.77 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 196015
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

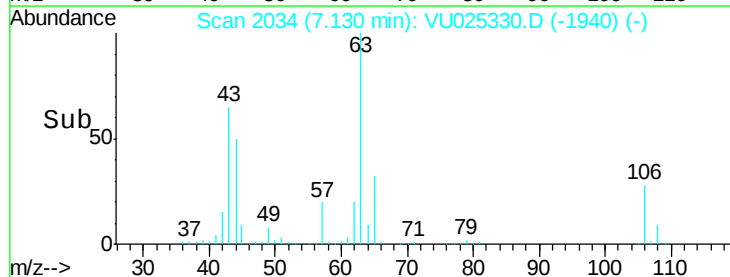
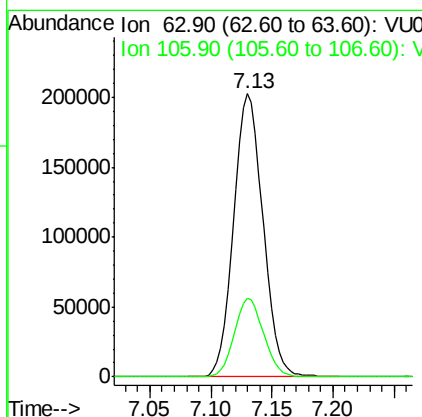
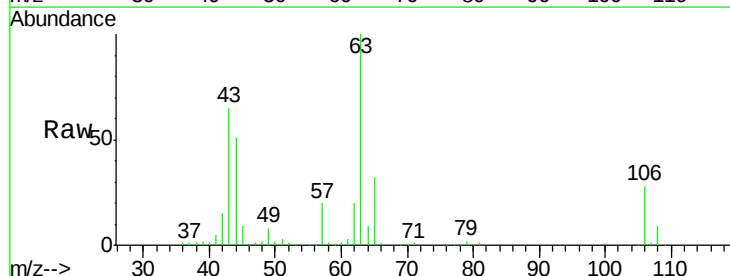
Manual Integrations
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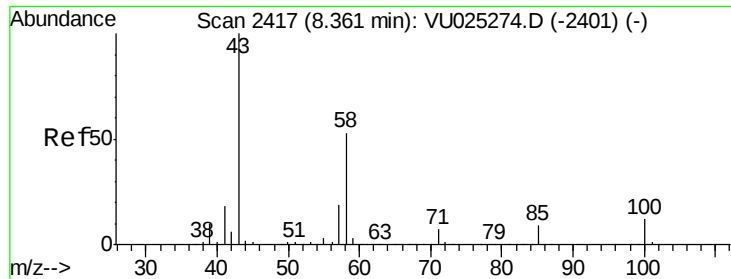
MMDadoda
 7/12/2018 11:04:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 208.86 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion: 63 Resp: 339089
 Ion Ratio Lower Upper
 63 100
 106 27.9 22.3 33.5





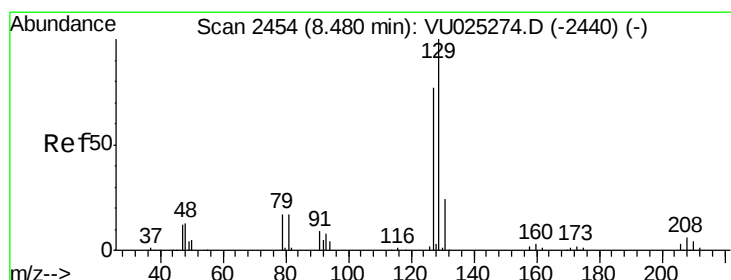
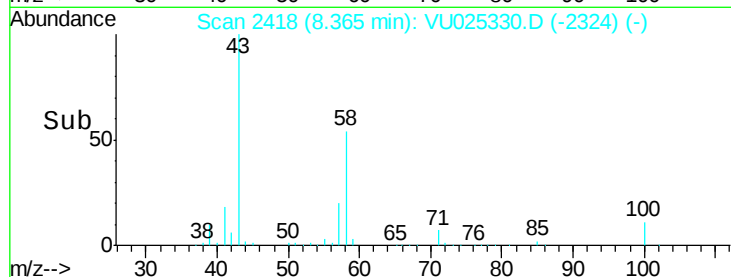
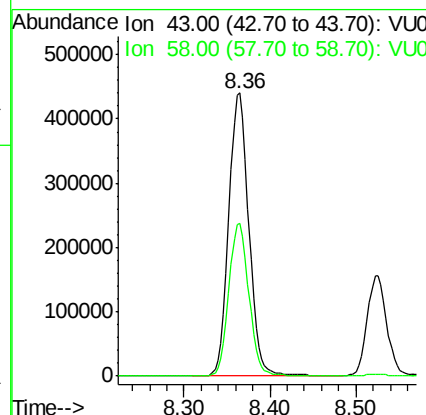
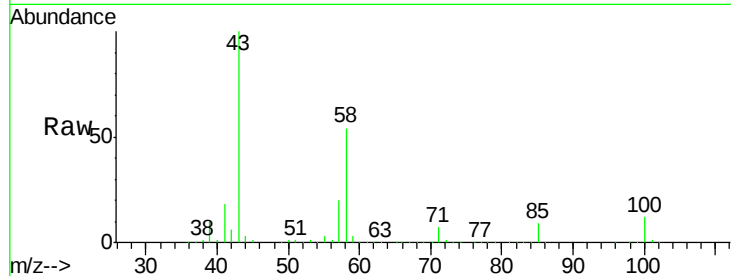
#59
2-Hexanone
Concen: 250.67 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 718847
Ion Ratio Lower Upper
43 100
58 53.7 26.2 78.5

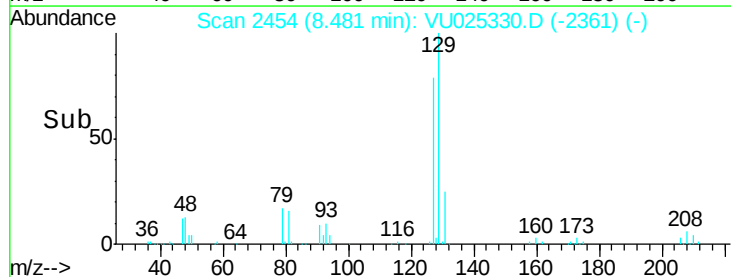
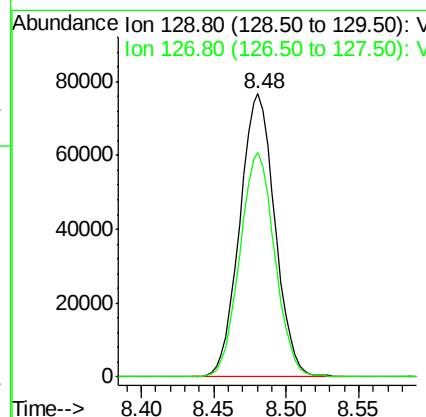
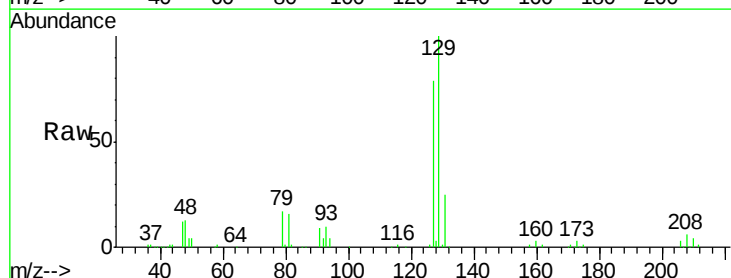
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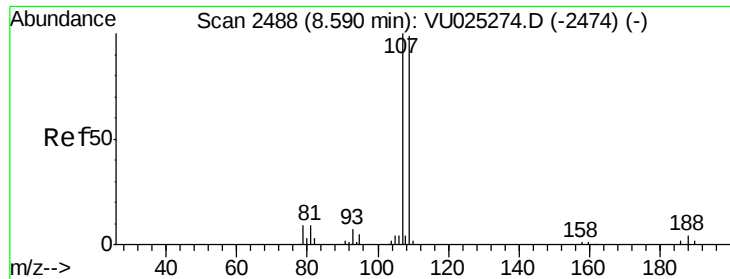
MMDadoda
7/12/2018 11:04:23 AM



#60
Dibromochloromethane
Concen: 51.52 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion: 129 Resp: 129403
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 50.64 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 126012

Ion Ratio Lower Upper

107 100

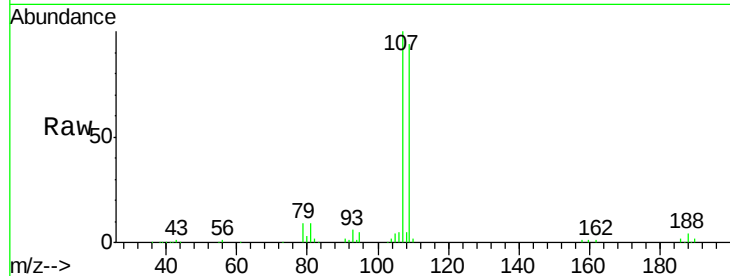
109 94.7 75.8 113.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

80000

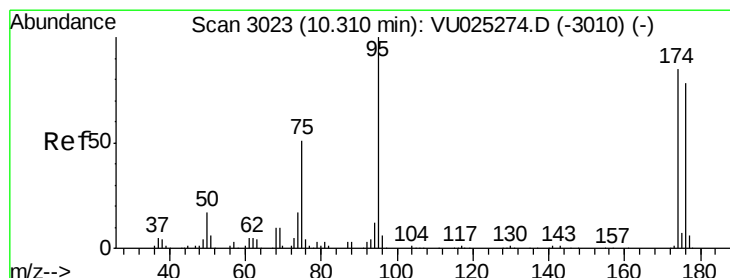
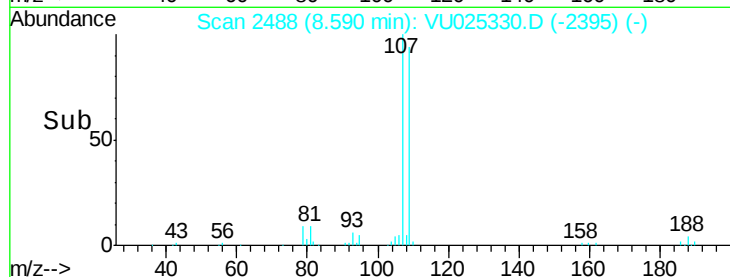
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.82 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

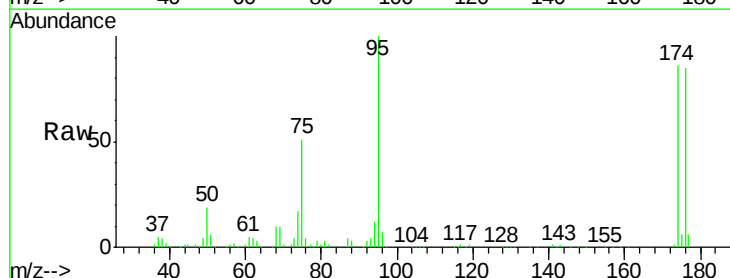
Tgt Ion: 95 Resp: 142798

Ion Ratio Lower Upper

95 100

174 87.1 0.0 172.2

176 84.6 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

120000

100000

80000

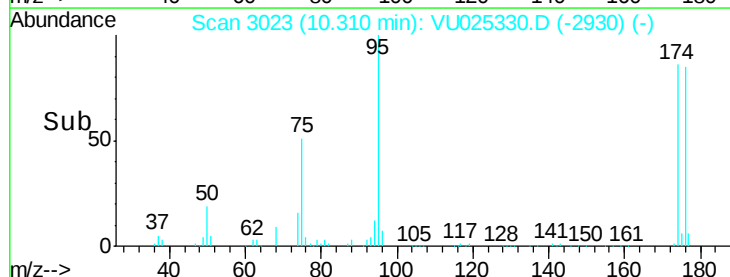
60000

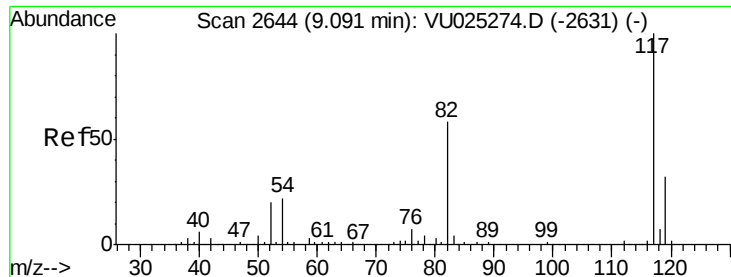
40000

20000

0

Time-->





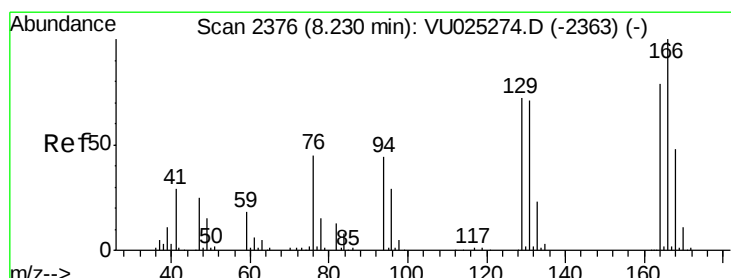
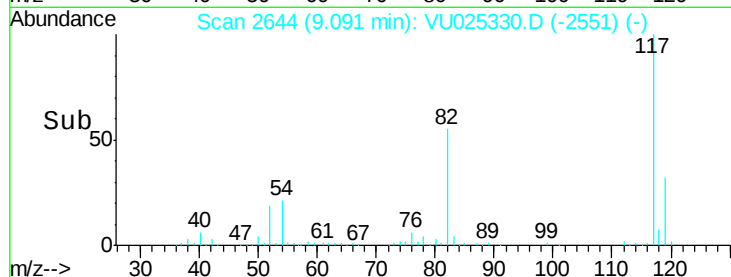
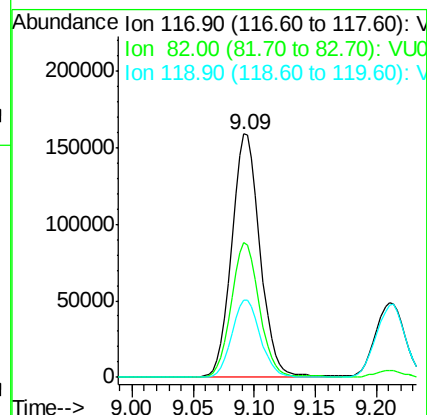
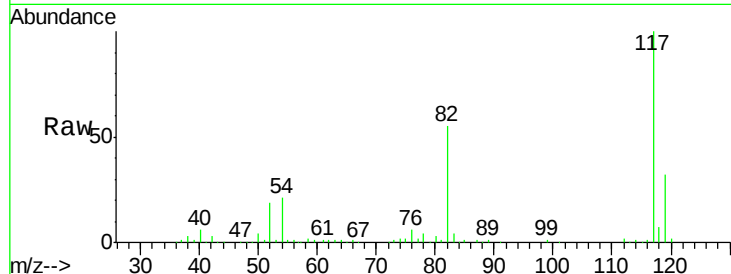
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	46.0	69.0
119	31.6	26.0	39.0

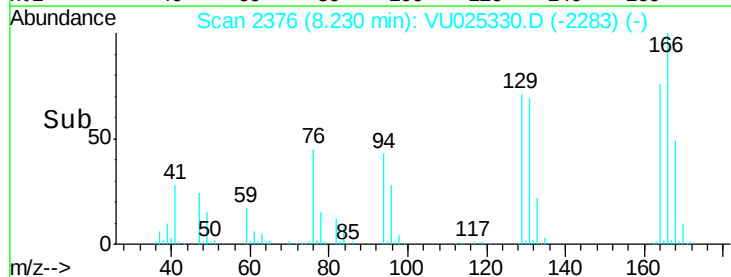
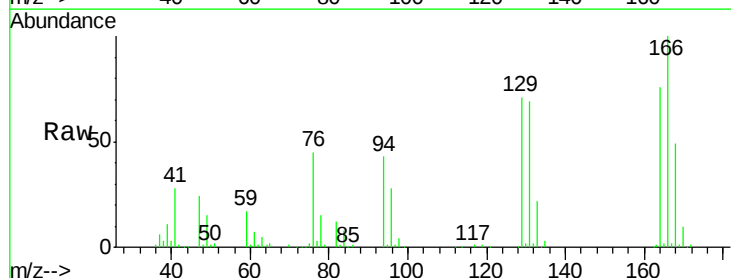
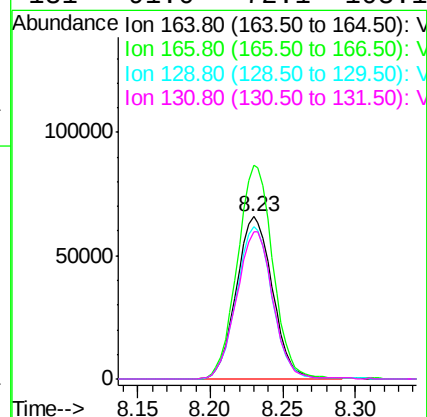
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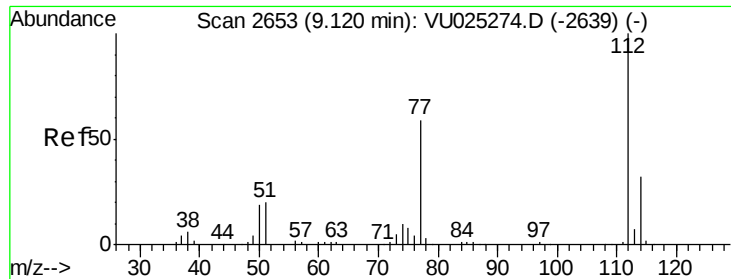
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#64
Tetrachloroethene
Concen: 48.29 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	101.1	151.7
129	93.7	73.0	109.6
131	91.0	72.1	108.1





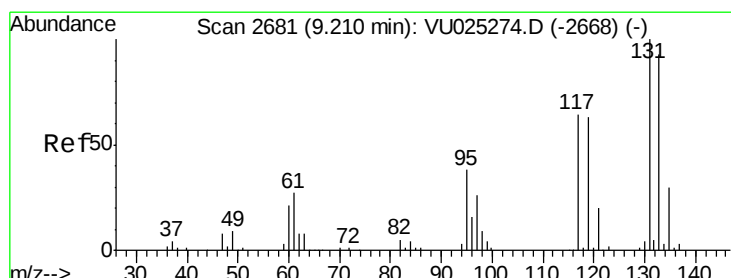
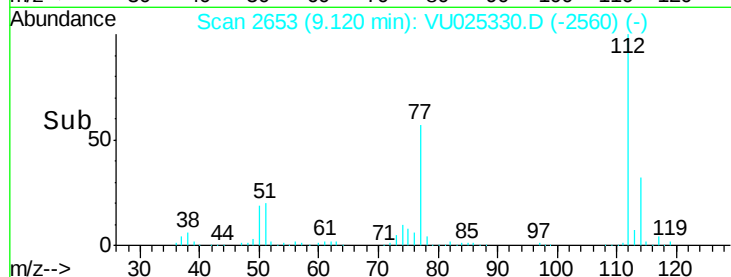
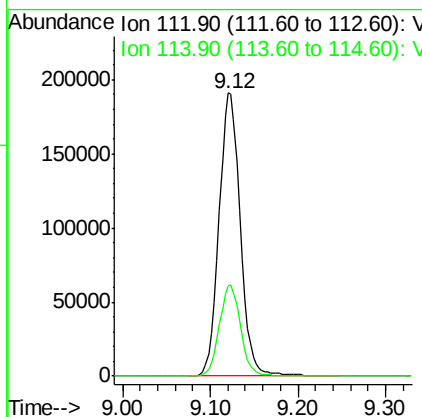
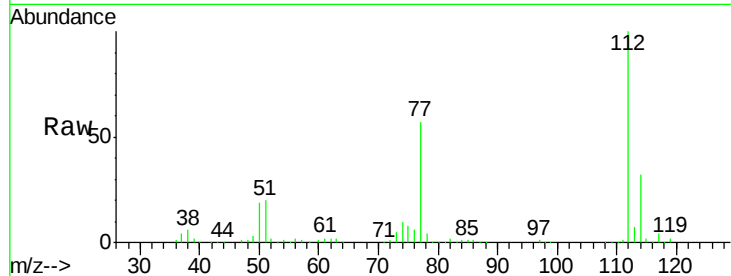
#65
Chlorobenzene
Concen: 49.69 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 322004
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

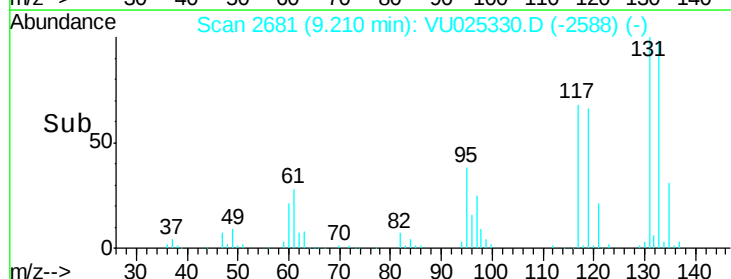
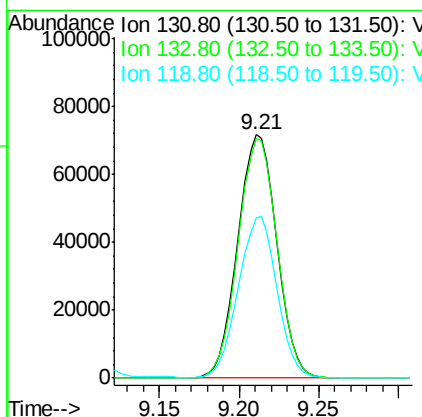
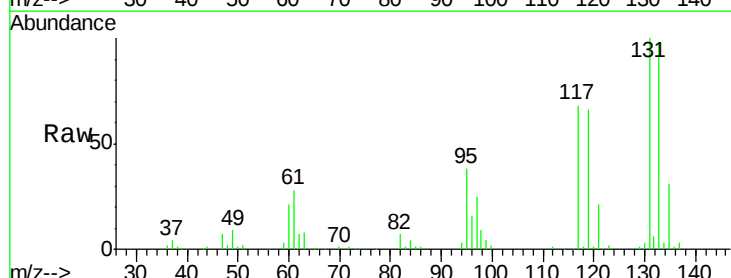
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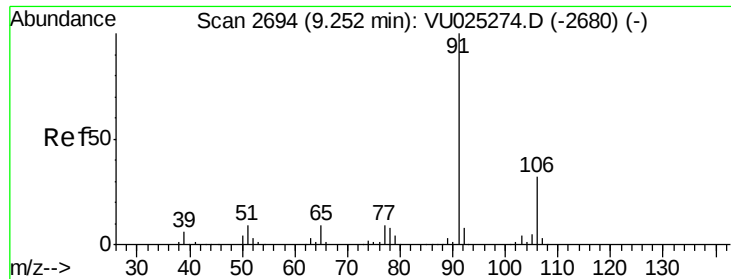
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.52 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion:131 Resp: 119439
Ion Ratio Lower Upper
131 100
133 98.2 47.8 143.3
119 65.8 31.6 95.0





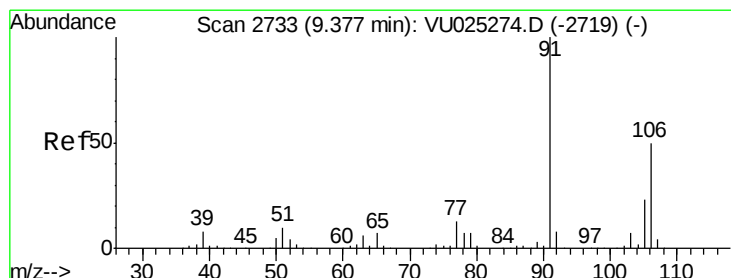
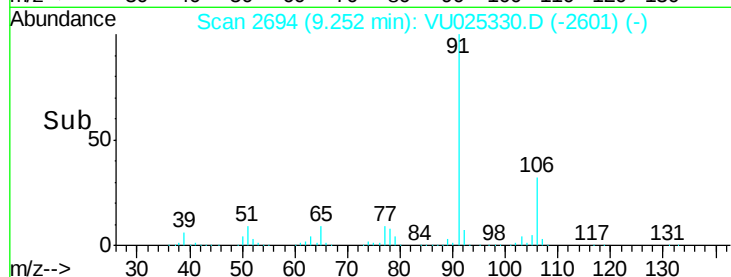
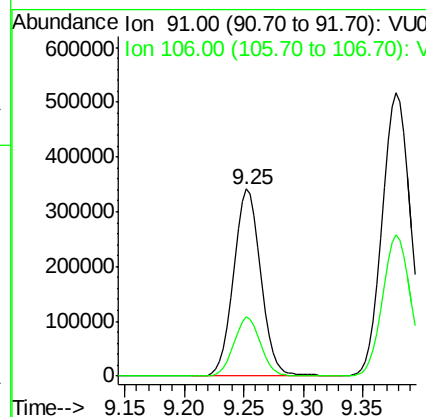
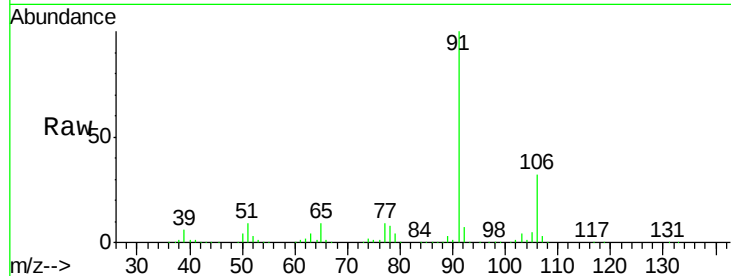
#67
Ethyl Benzene
Concen: 49.17 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 543255
Ion Ratio Lower Upper
91 100
106 31.6 25.3 37.9

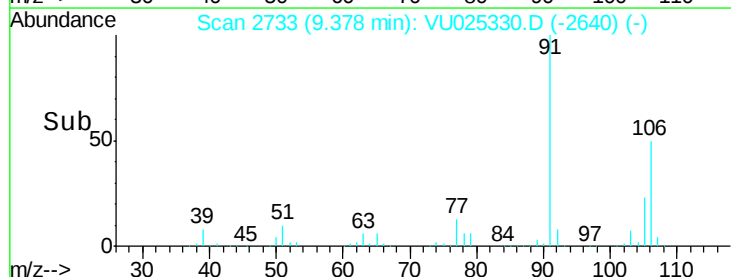
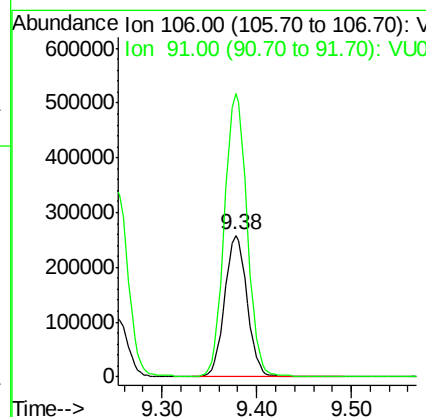
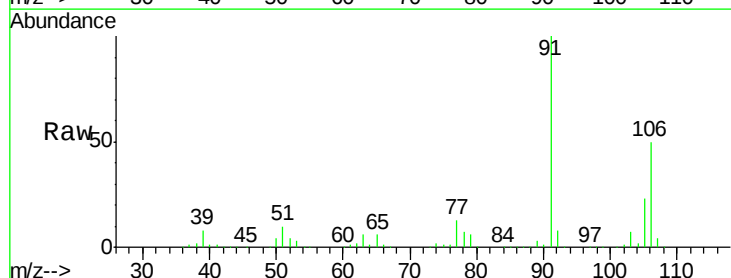
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#68
m/p-Xylenes
Concen: 99.84 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion: 106 Resp: 426435
Ion Ratio Lower Upper
106 100
91 202.4 162.3 243.5





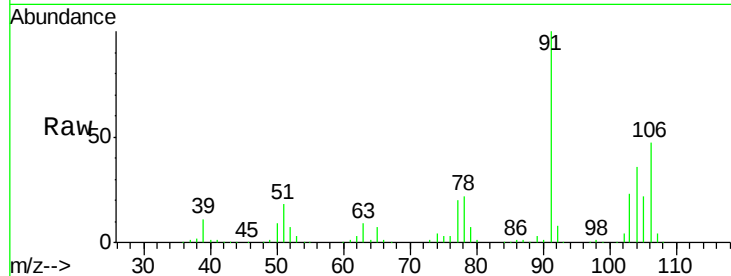
#69
o-Xylene
Concen: 49.64 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

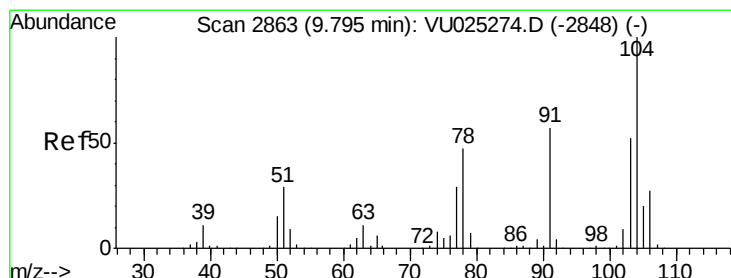
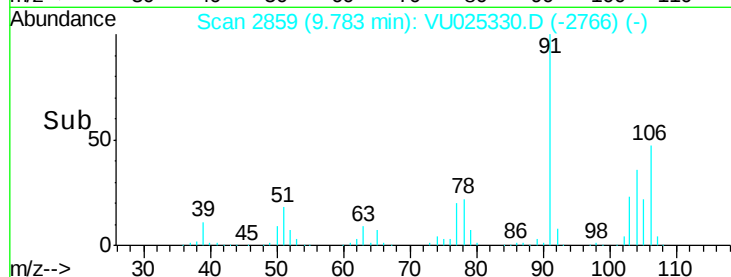
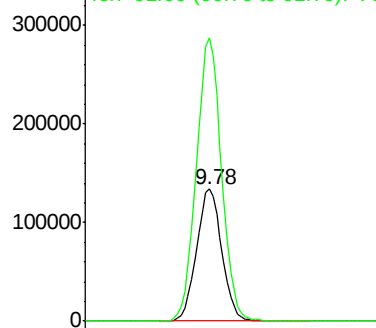
Tot Ion	Ratio	Lower	Upper
106	100		
91	213.9	105.3	315.8

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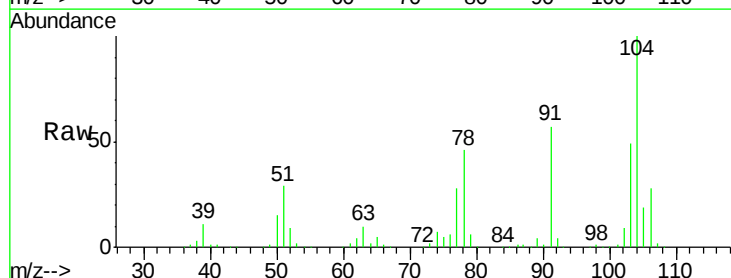


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

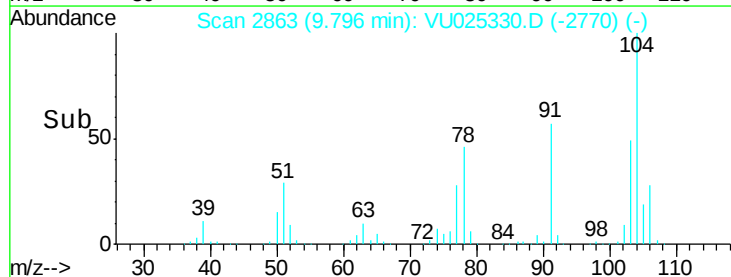
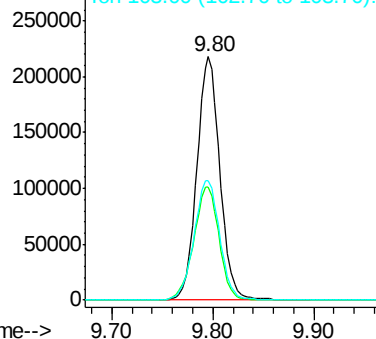


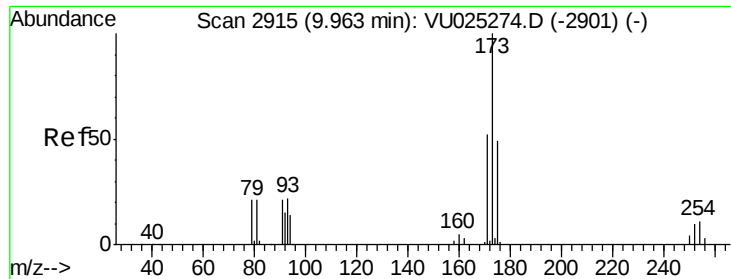
#70
Styrene
Concen: 51.24 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.2	41.6	62.4
103	54.7	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: 46.29 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 102887
Ion Ratio Lower Upper

173 100

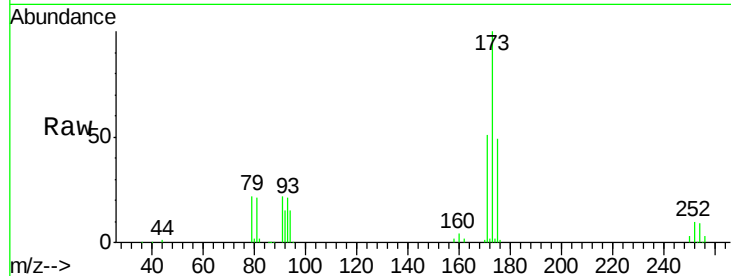
175 49.0 24.0 72.0

254 0.1 0.0 0.0#

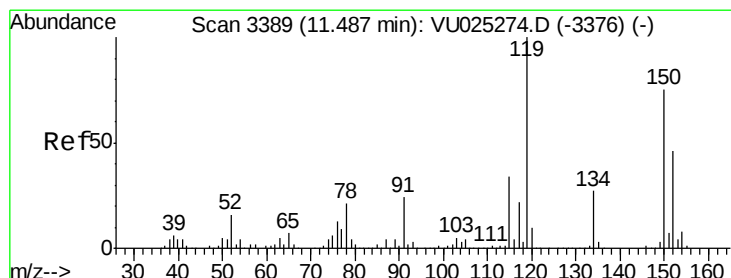
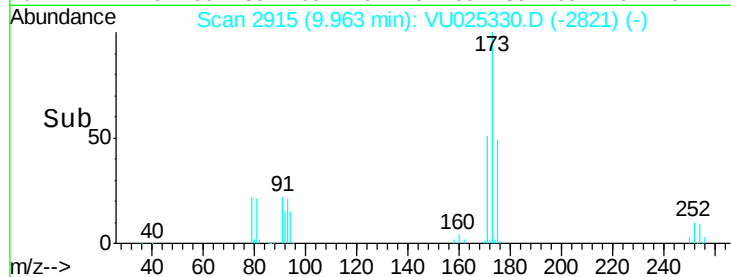
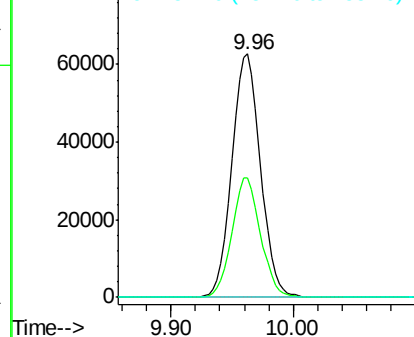
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025330.D

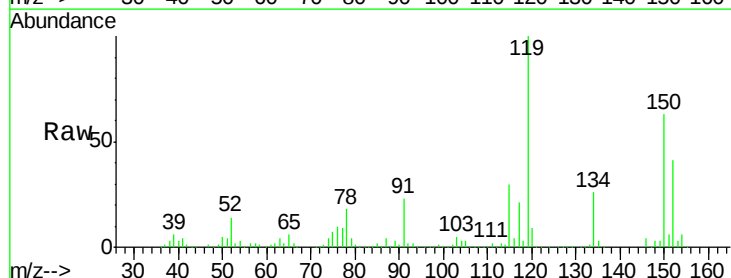
Acq: 11 Jul 2018 21:33

Tgt Ion:152 Resp: 155847
Ion Ratio Lower Upper

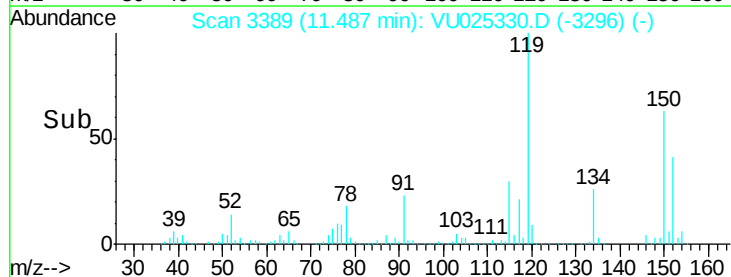
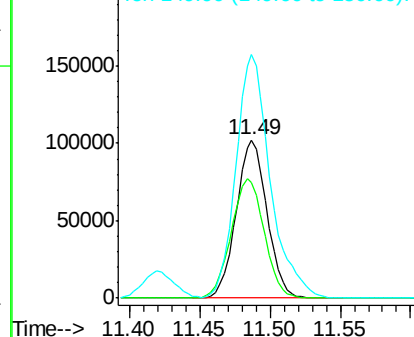
152 100

115 81.0 40.1 120.3

150 171.4 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





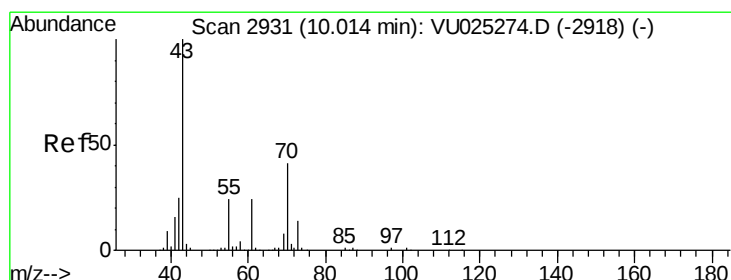
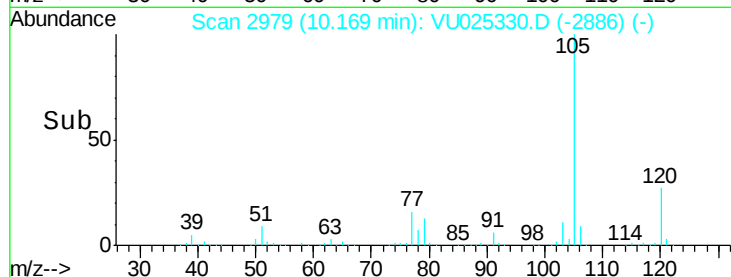
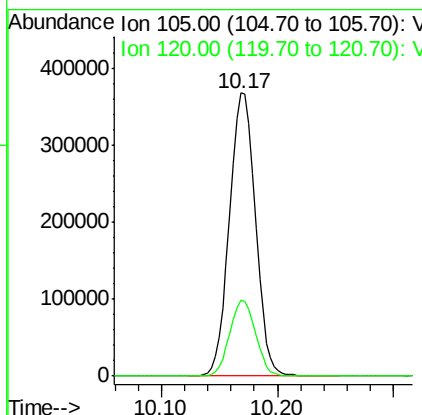
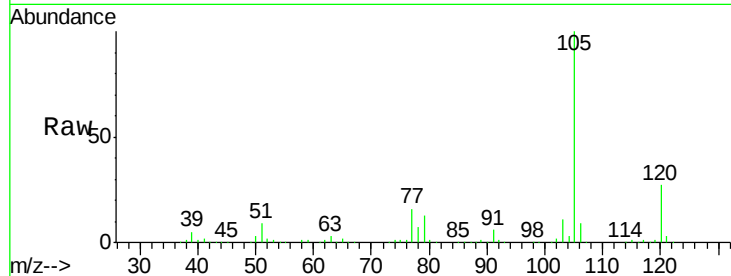
#73
Isopropylbenzene
Concen: 48.07 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 572355
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.5

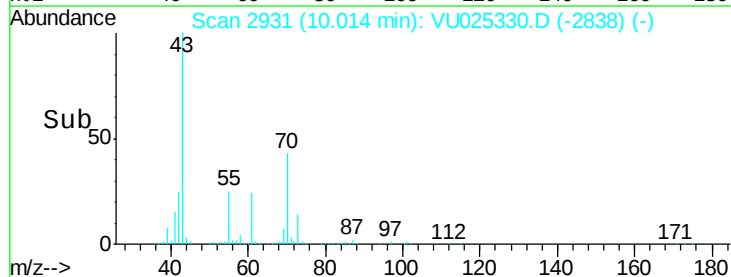
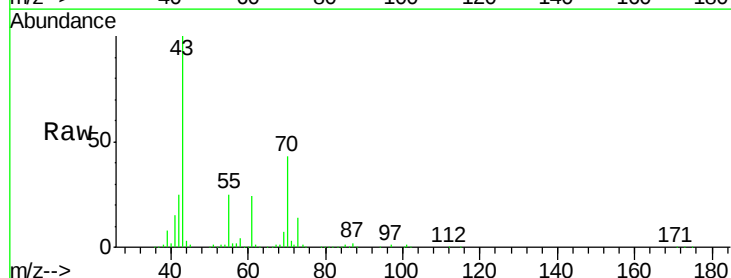
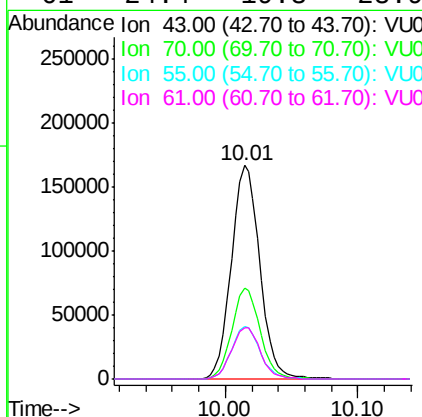
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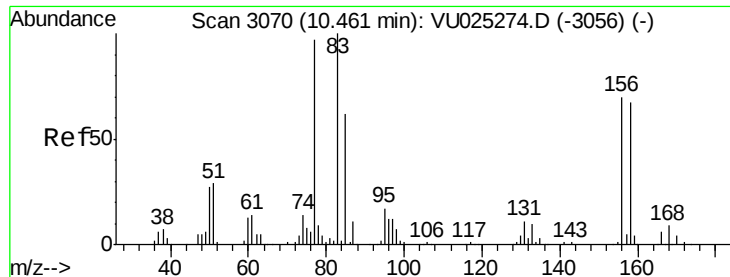
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#74
N-ethyl acetate
Concen: 51.13 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion: 43 Resp: 249357
Ion Ratio Lower Upper
43 100
70 42.2 33.4 50.2
55 24.6 19.0 28.6
61 24.4 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 50.05 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 194989

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

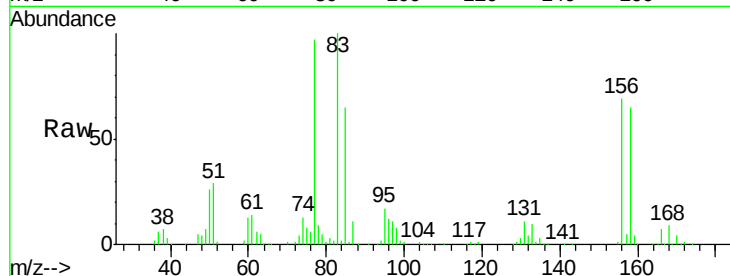
85 65.2 31.6 94.8

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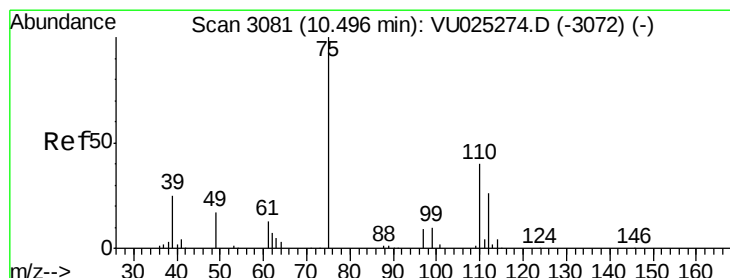
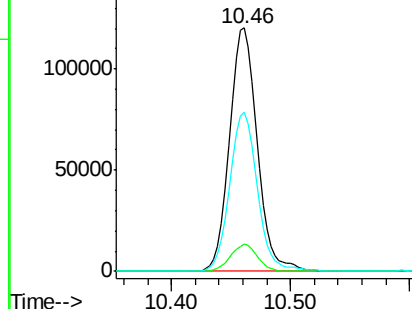
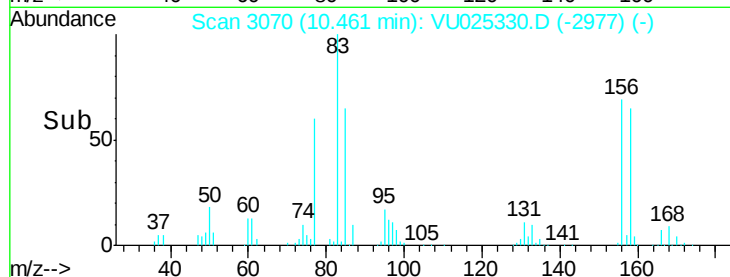


Abundance Ion 82.90 (82.60 to 83.60): VU025330.D (-2977) (-)

Ion 130.80 (130.50 to 131.50): VU025330.D (-2977) (-)

Ion 84.90 (84.60 to 85.60): VU025330.D (-2977) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.75 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025330.D

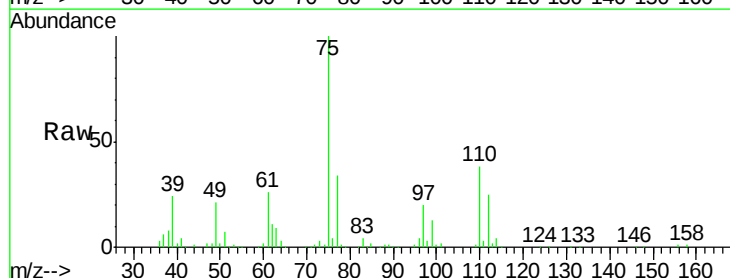
Acq: 11 Jul 2018 21:33

Tgt Ion: 75 Resp: 176501

Ion Ratio Lower Upper

75 100

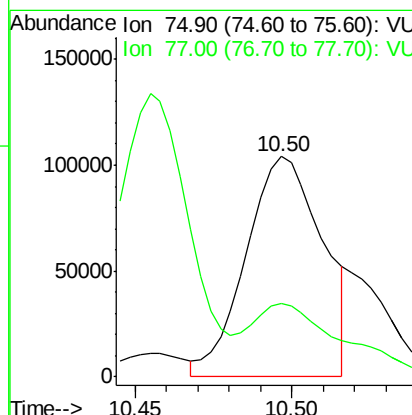
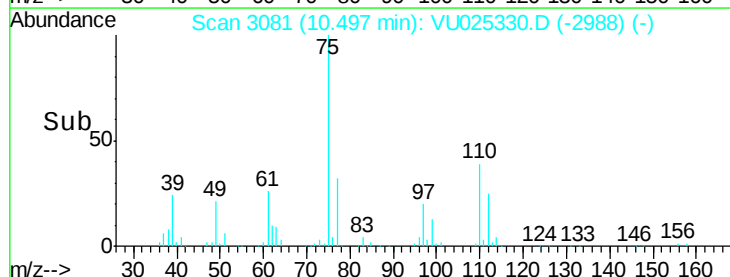
77 38.9 20.4 61.3

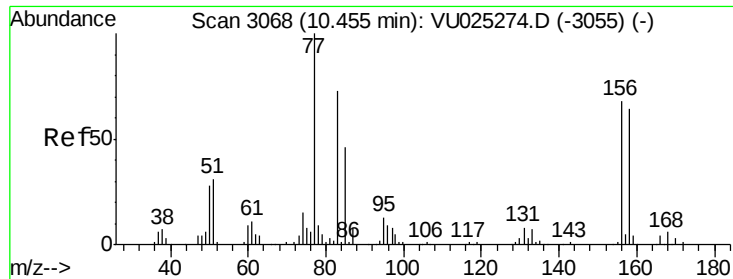


Abundance Ion 74.90 (74.60 to 75.60): VU025330.D (-2988) (-)

Ion 77.00 (76.70 to 77.70): VU025330.D (-2988) (-)

Time-->





#77

Bromobenzene

Concen: 48.71 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 148373

Ion Ratio Lower Upper

156 100

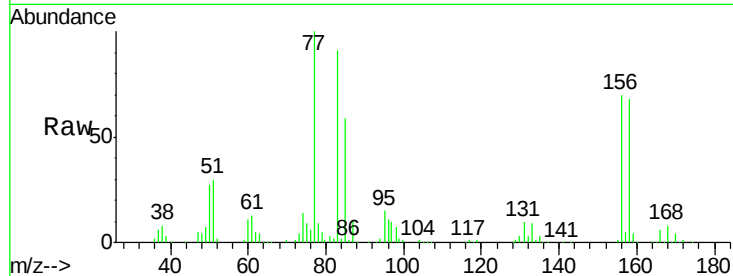
77 145.8 73.8 221.4

158 97.8 48.0 144.0

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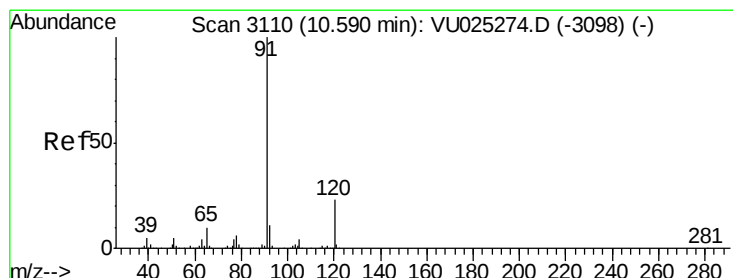
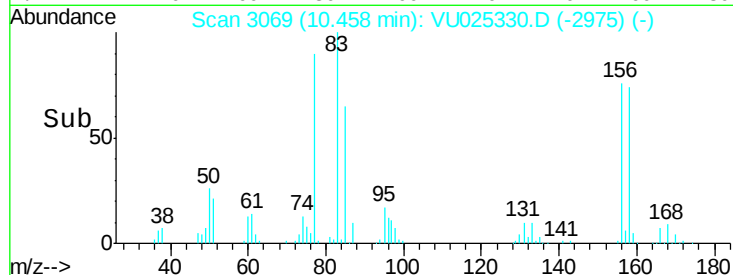
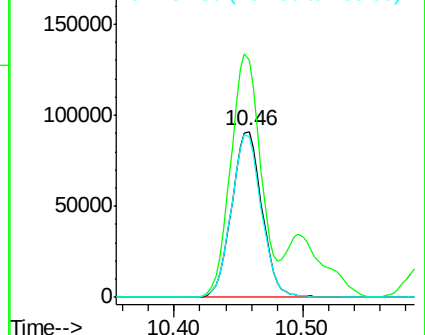
7/12/2018 11:04:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.30 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025330.D

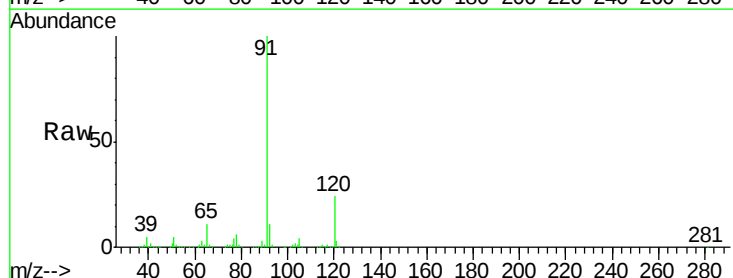
Acq: 11 Jul 2018 21:33

Tgt Ion: 91 Resp: 638217

Ion Ratio Lower Upper

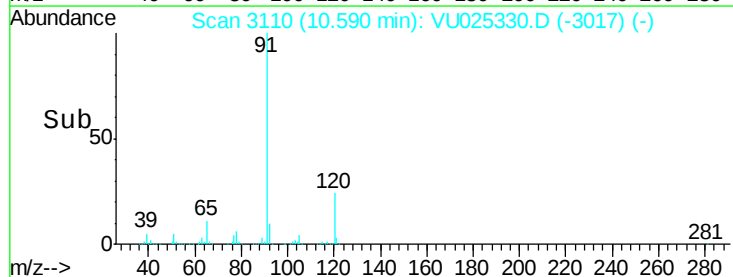
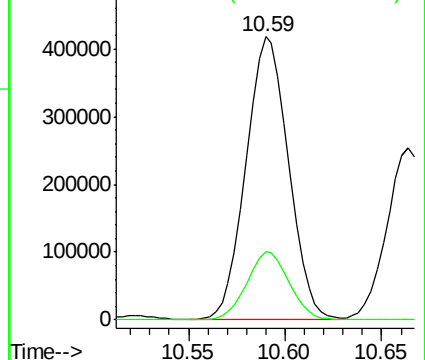
91 100

120 24.0 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.50 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 390751

Ion Ratio Lower Upper

91 100

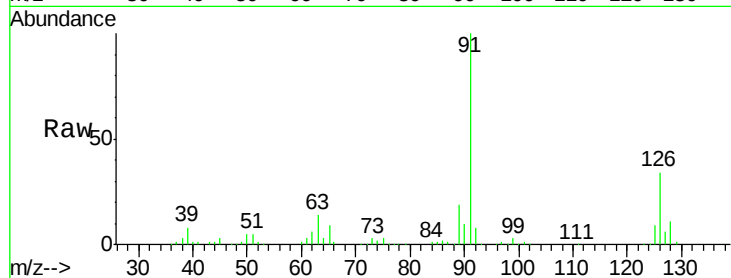
126 34.6 17.5 52.6

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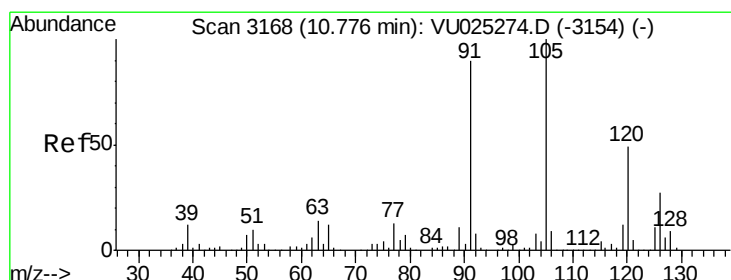
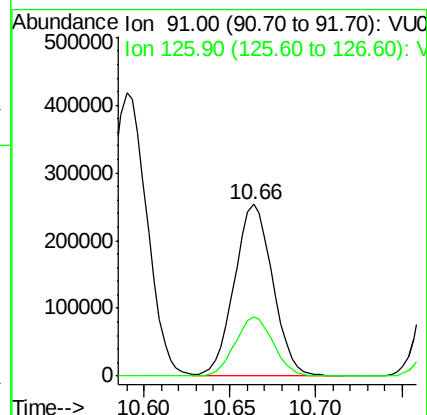
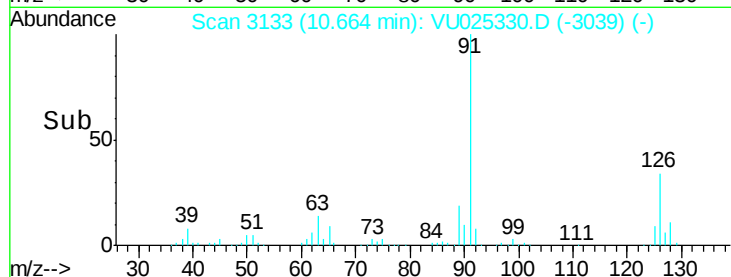
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Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.62 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025330.D

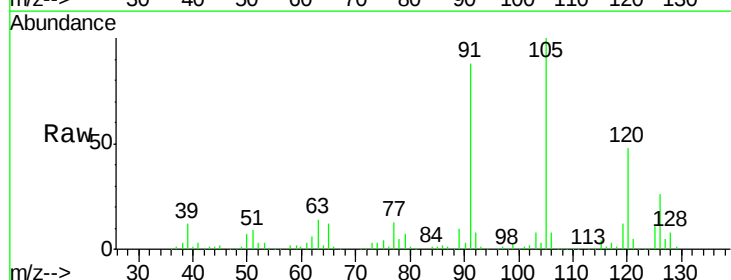
Acq: 11 Jul 2018 21:33

Tgt Ion: 105 Resp: 487161

Ion Ratio Lower Upper

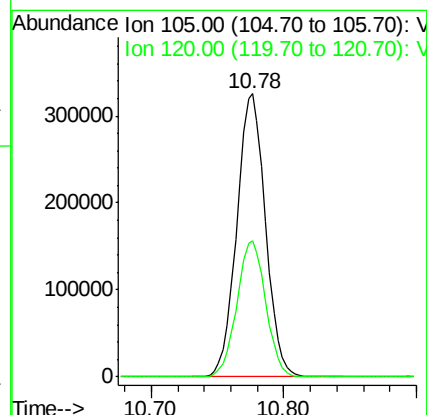
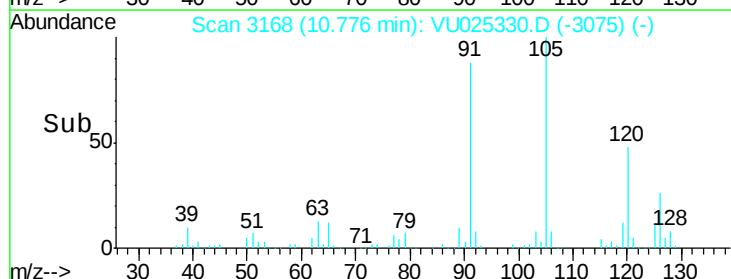
105 100

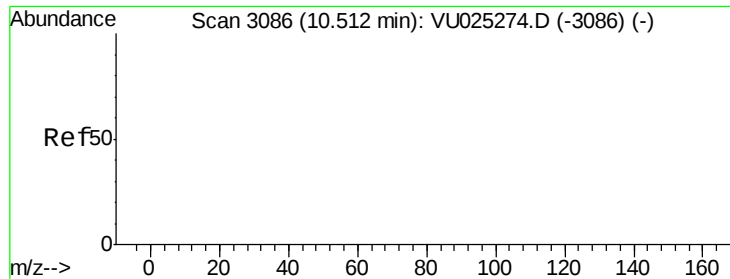
120 48.5 24.1 72.2



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

Ion 120.00 (119.70 to 120.70): VU025274.D (-3154) (-)





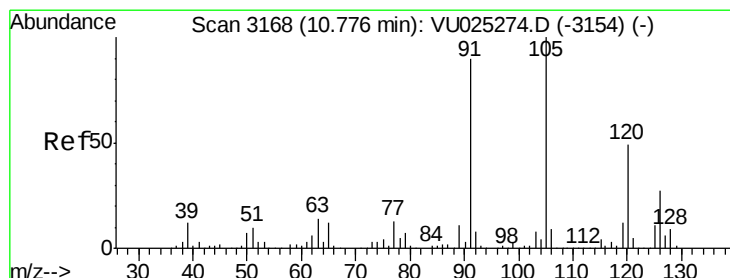
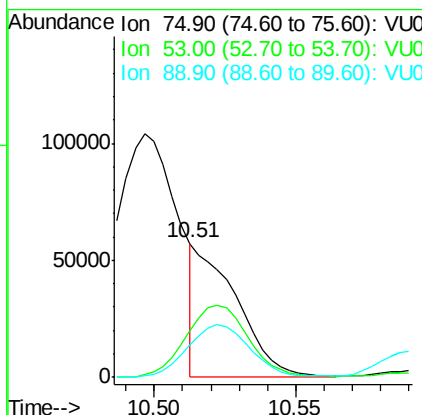
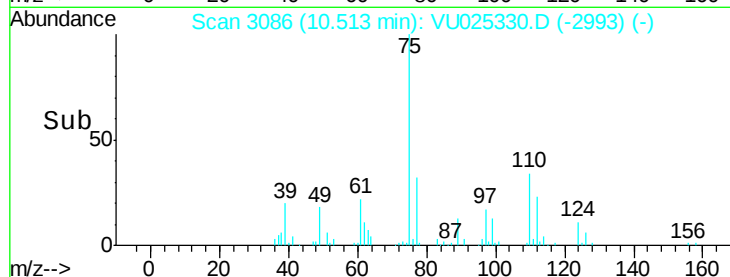
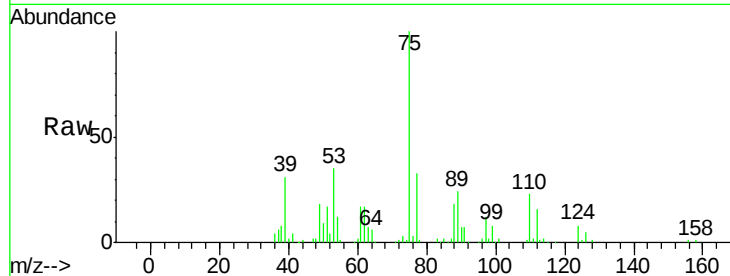
#81
trans-1,4-Dichloro-2-butene
Concen: 46.85 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

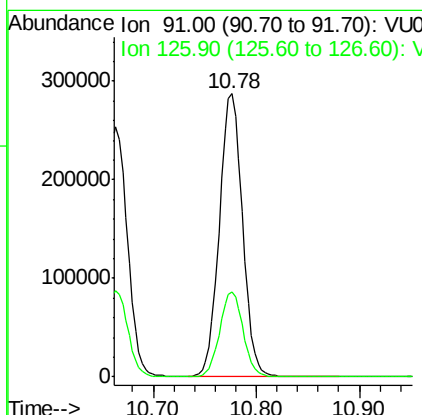
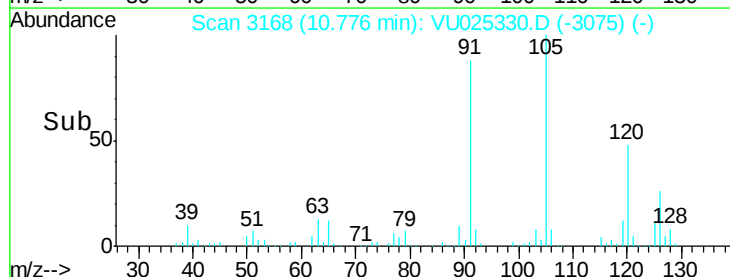
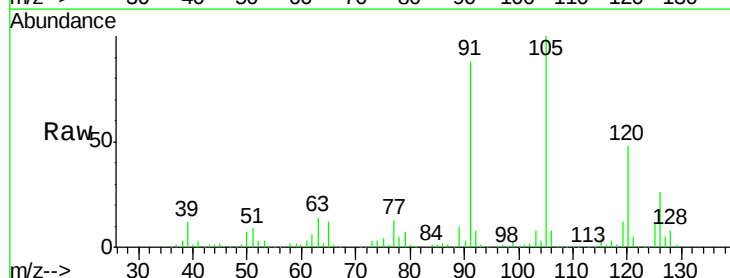
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#82
4-Chlorotoluene
Concen: 47.86 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.9





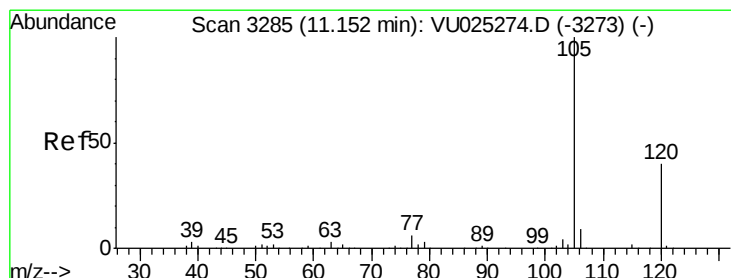
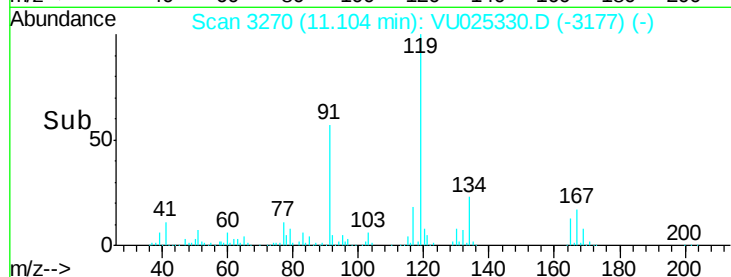
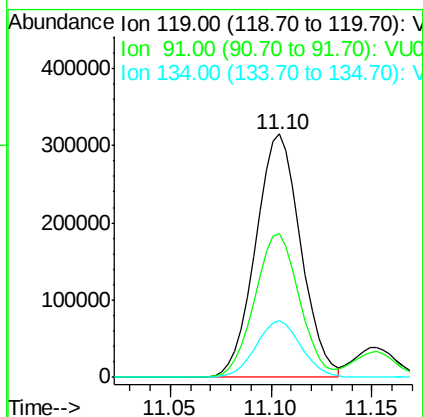
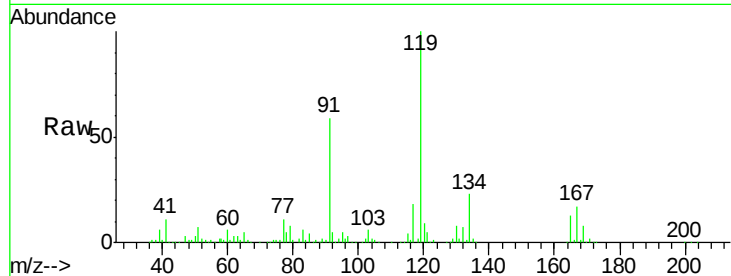
#83
tert-Butylbenzene
Concen: 48.63 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	492375		
91	58.5	29.7	89.1	
134	23.1	11.5	34.5	

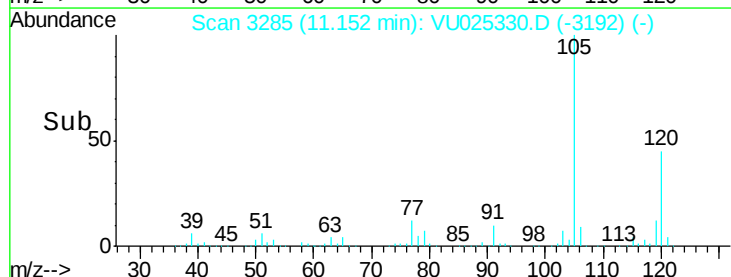
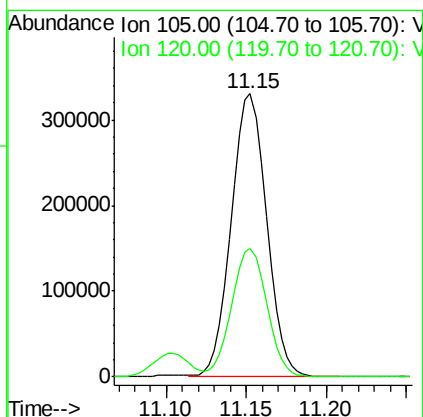
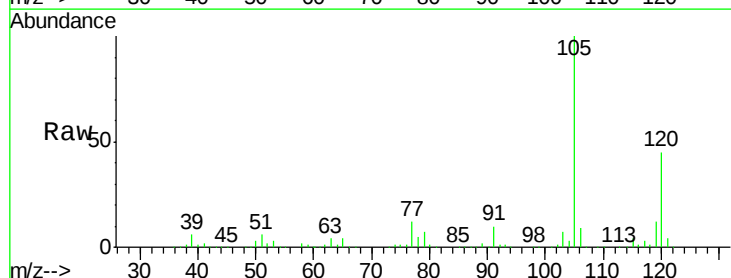
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#84
1,2,4-Trimethylbenzene
Concen: 48.30 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	495938		
120	45.4	22.3	66.8	





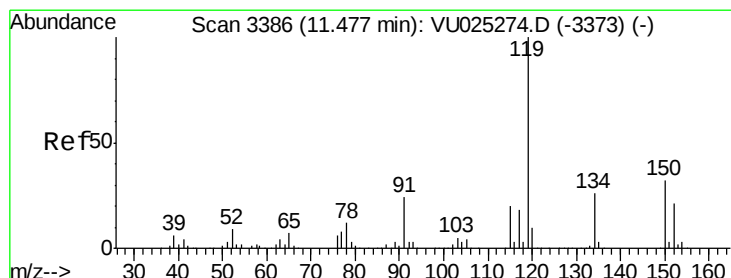
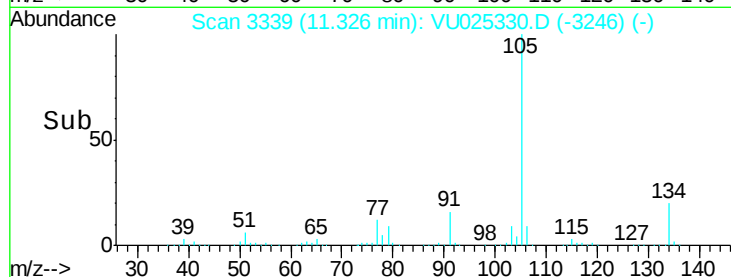
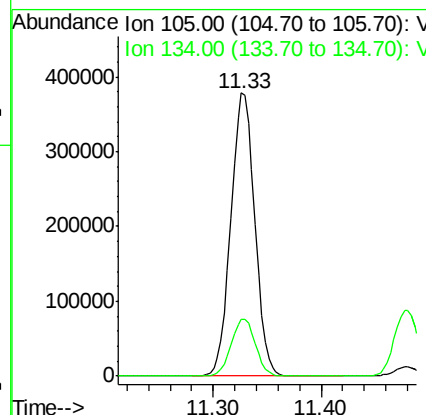
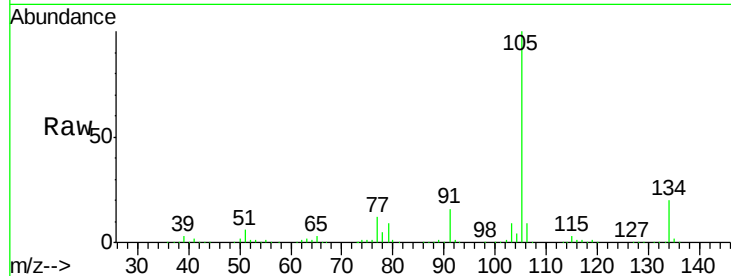
#85
 sec-Butylbenzene
 Concen: 49.04 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.3	30.8

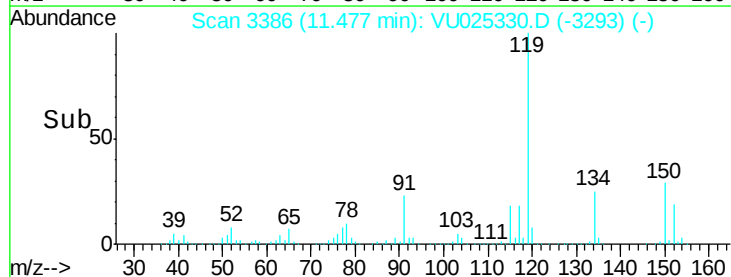
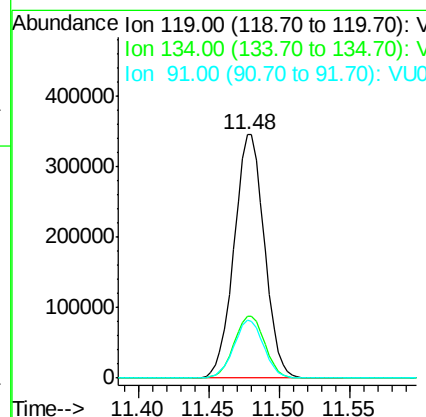
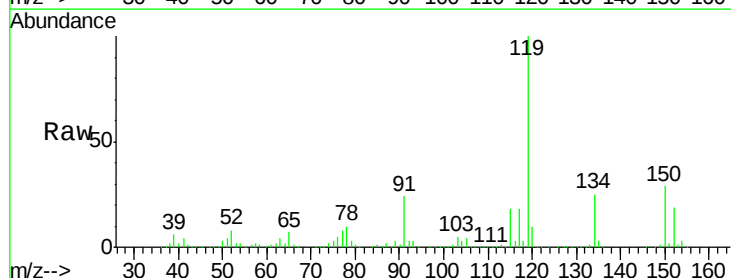
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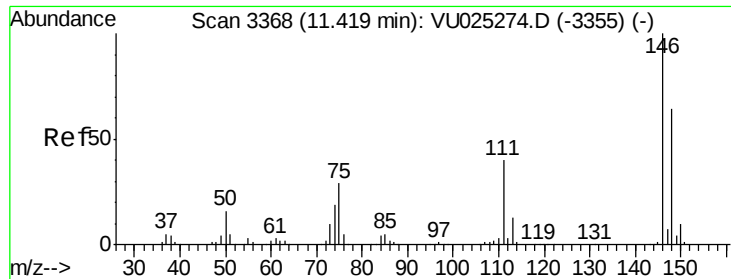
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#86
 p-Isopropyltoluene
 Concen: 49.29 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.2	39.5
91	23.6	12.0	36.1





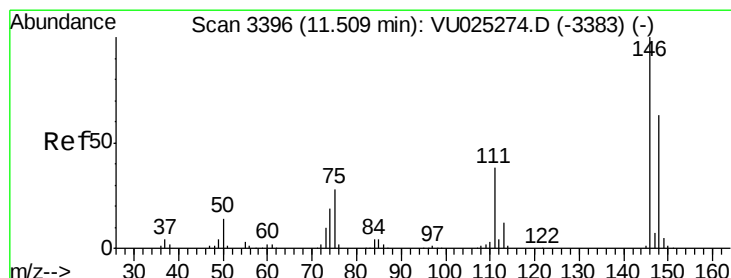
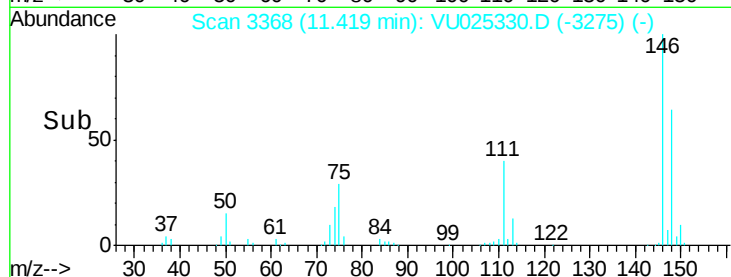
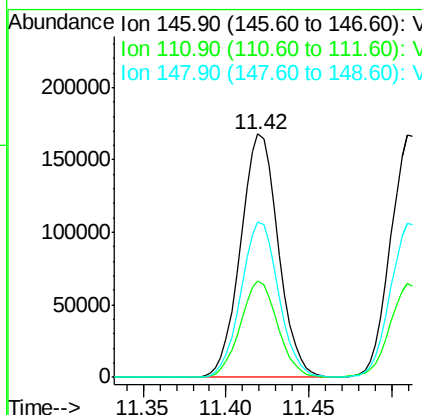
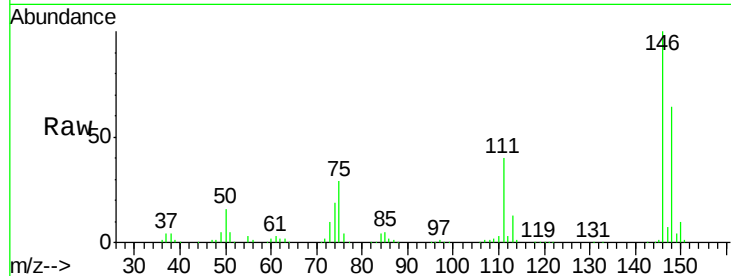
#87
 1,3-Dichlorobenzene
 Concen: 47.79 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	63.5	32.1	96.3

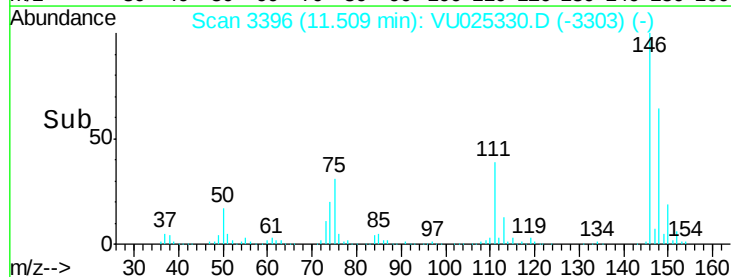
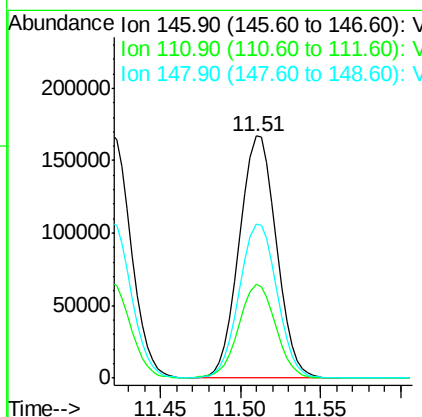
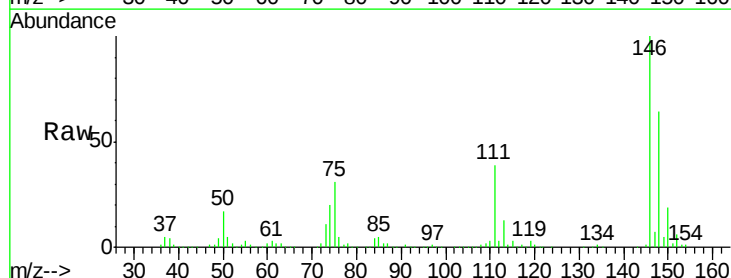
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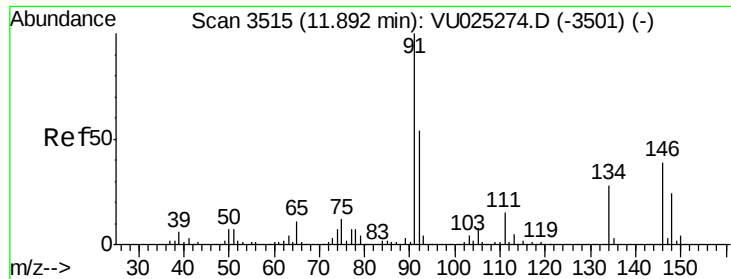
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#88
 1,4-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	64.9	31.7	95.1





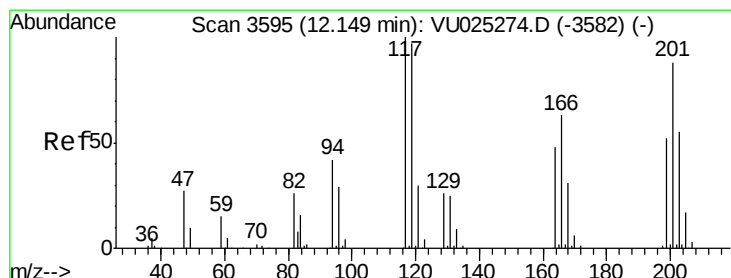
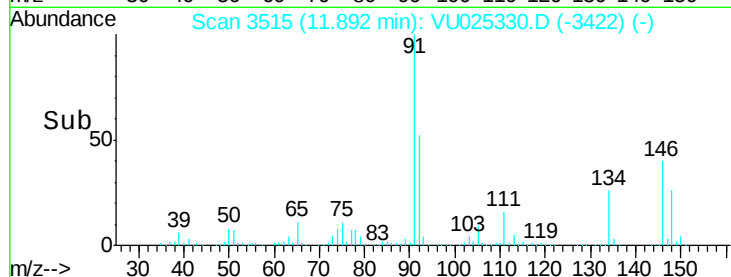
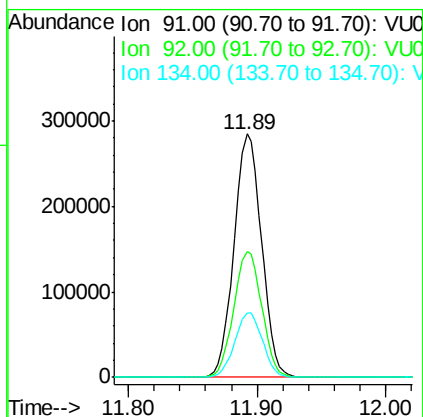
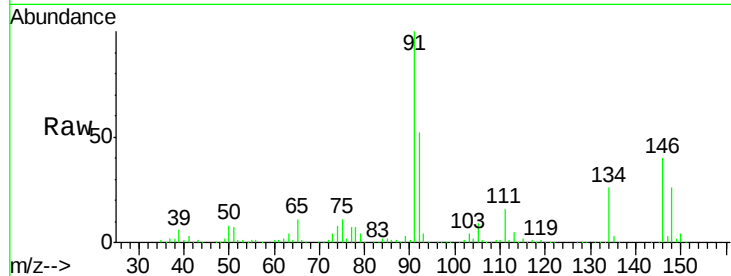
#89
n-Butylbenzene
Concen: 48.72 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.5	79.5
134	26.7	13.6	40.7

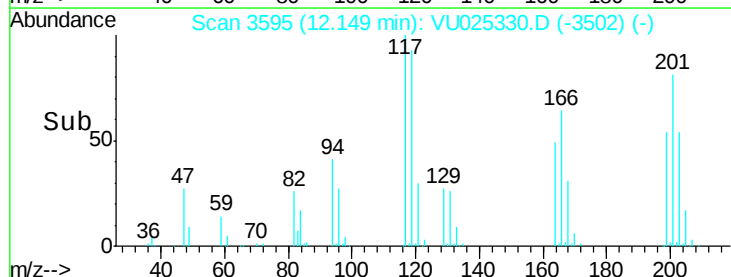
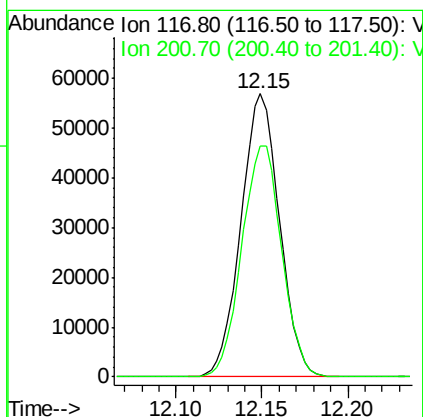
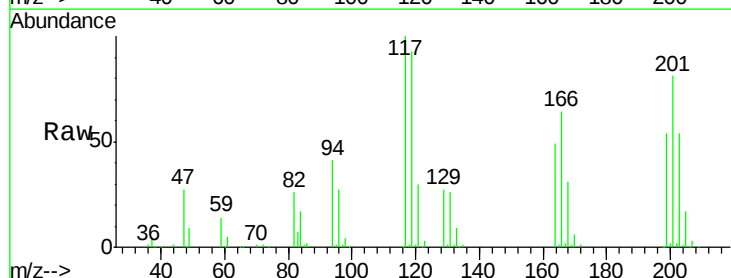
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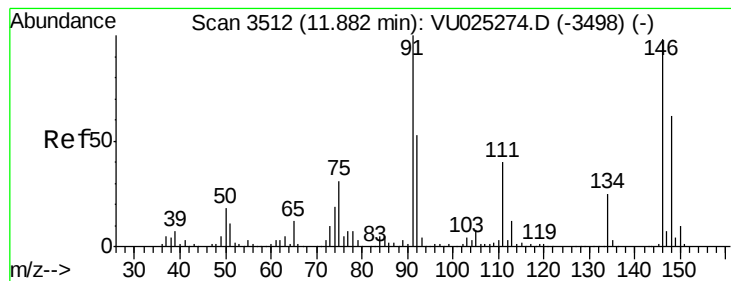
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7/12/2018 11:04:23 AM



#90
Hexachloroethane
Concen: 49.51 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU025330.D
Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	42.5	127.6





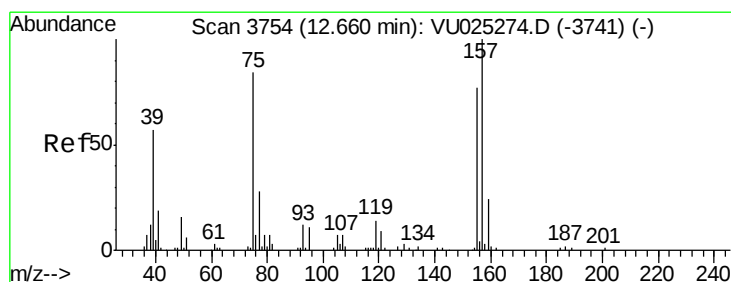
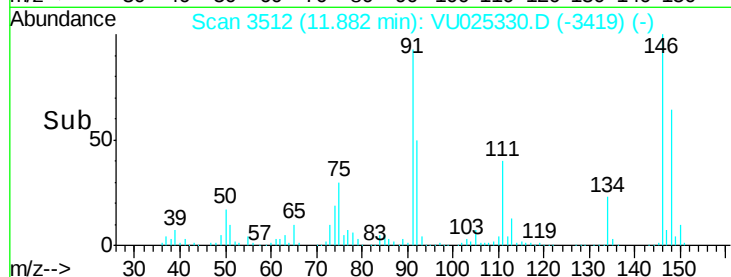
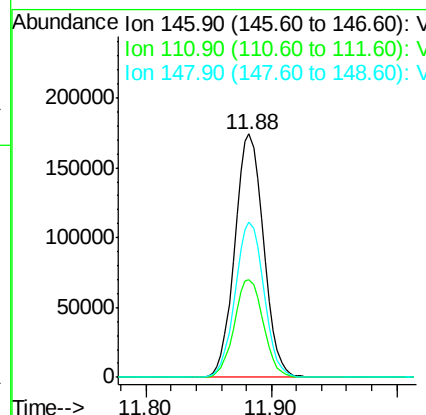
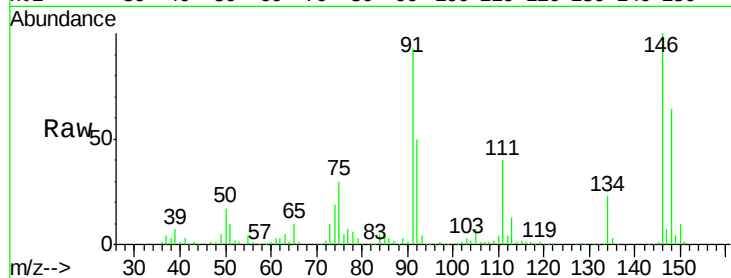
#91
 1,2-Dichlorobenzene
 Concen: 49.28 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.8
148	64.0	31.5	94.5

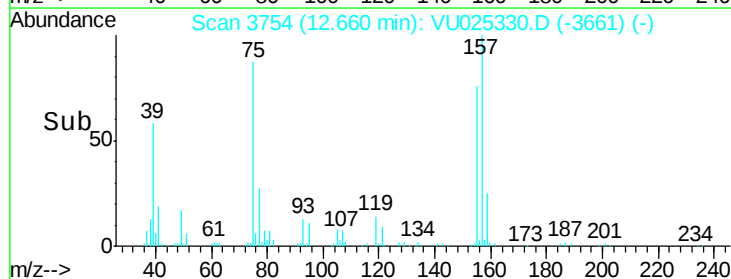
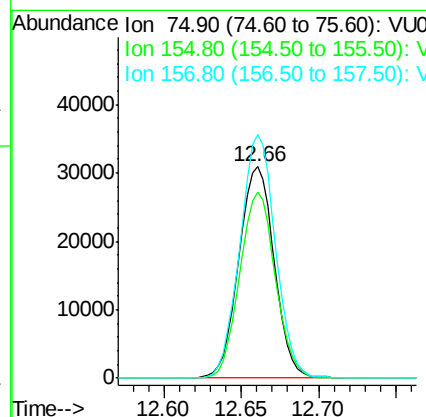
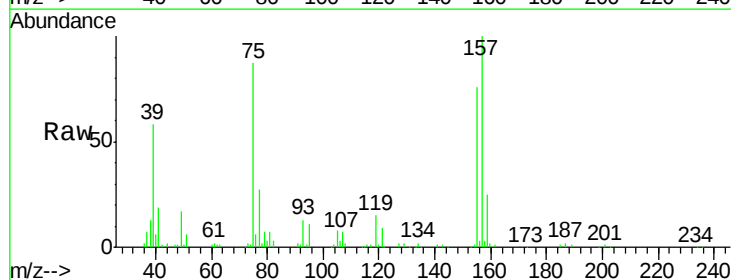
Manual Integrations
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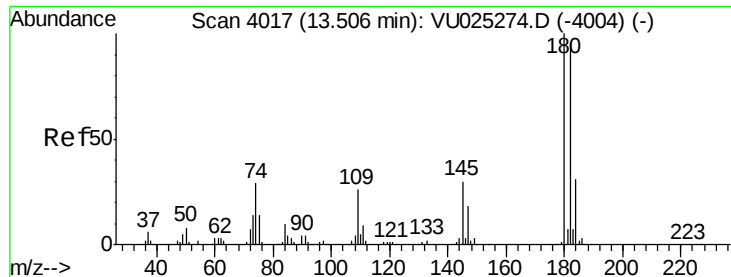
MMDadoda
 7/12/2018 11:04:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.22 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.5	133.3
157	115.3	57.0	170.8





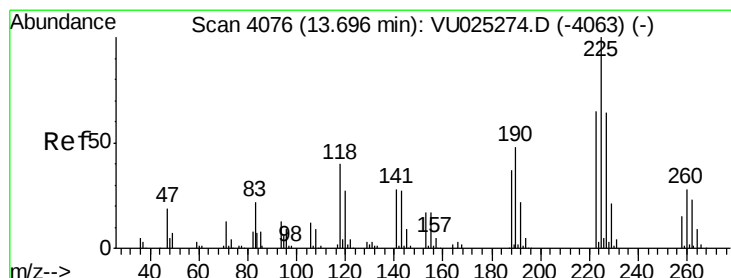
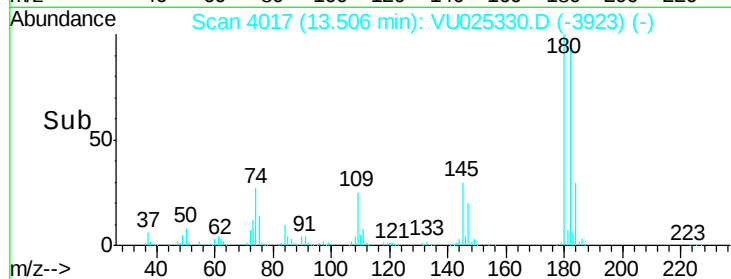
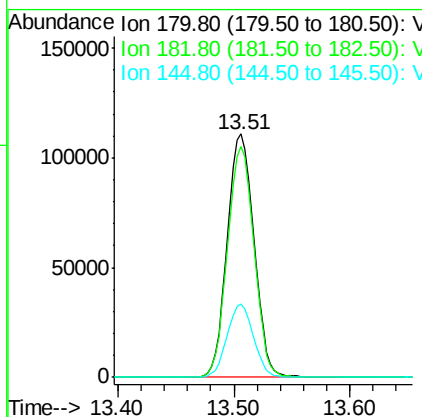
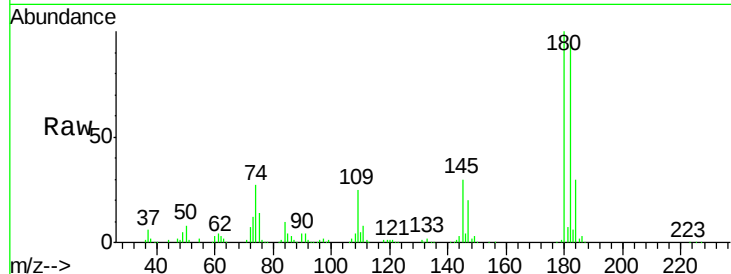
#93
 1,2,4-Trichlorobenzene
 Concen: 47.13 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176700		
182	93.8	47.3	141.9	
145	29.6	14.9	44.7	

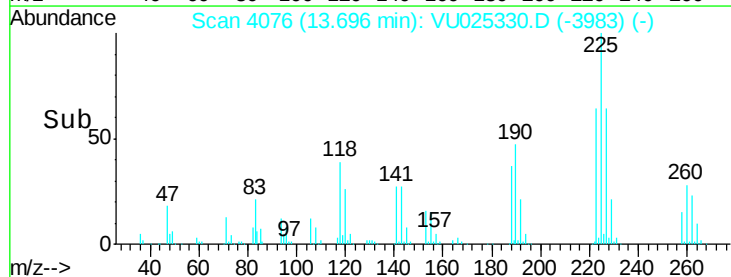
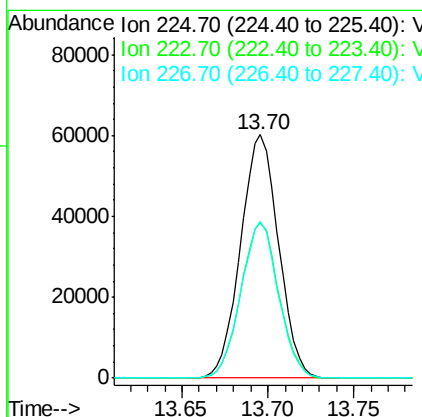
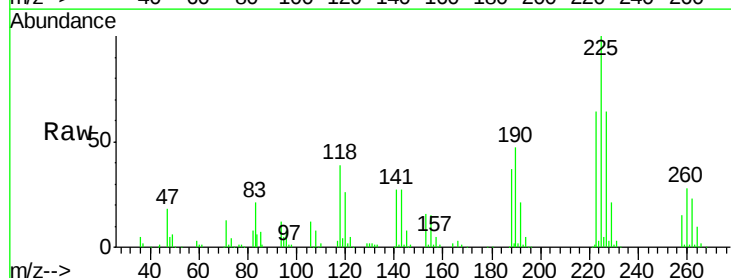
Manual Integrations
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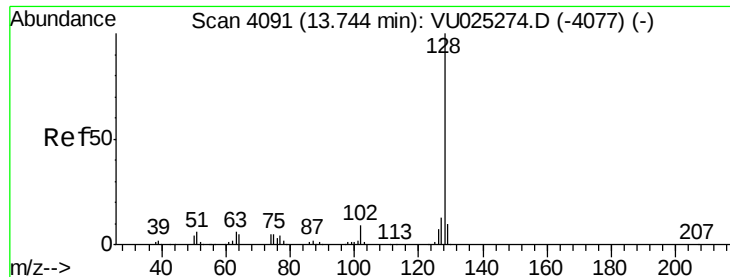
MMDadoda
 7/12/2018 11:04:23 AM



#94
 Hexachlorobutadiene
 Concen: 45.78 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025330.D
 Acq: 11 Jul 2018 21:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92056		
223	64.0	31.9	95.7	
227	63.4	32.3	96.9	





#95

Naphthalene

Concen: 51.44 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Instrument :

MSVOA_U

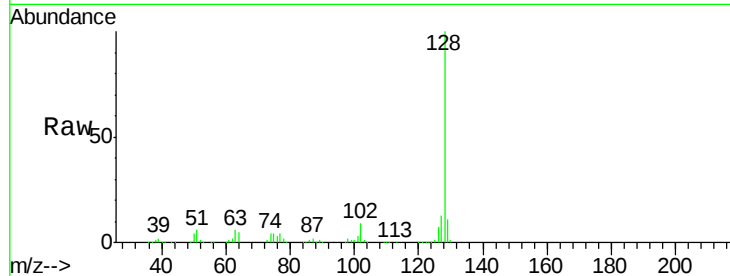
ClientSampleId :

VSTDCCC050EC

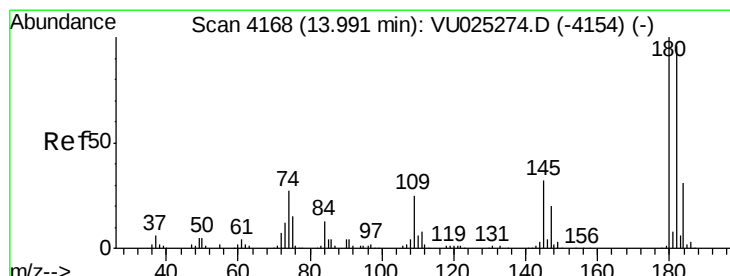
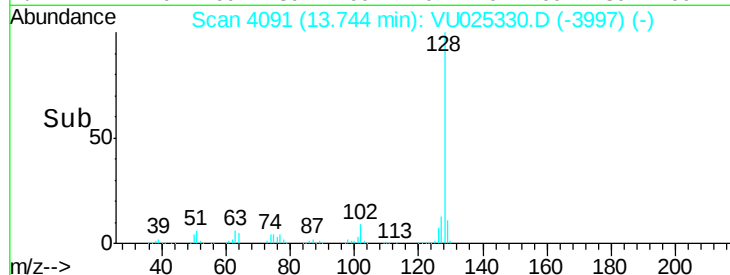
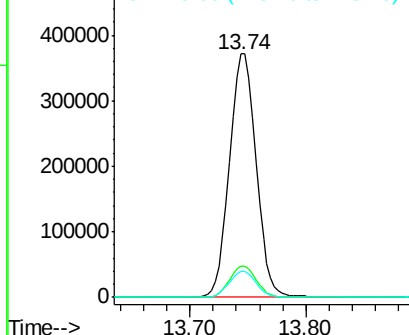
Tot Ion:	128	Resp:	589426
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.9	8.3	12.5

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



#96

1,2,3-Trichlorobenzene

Concen: 47.81 ug/l

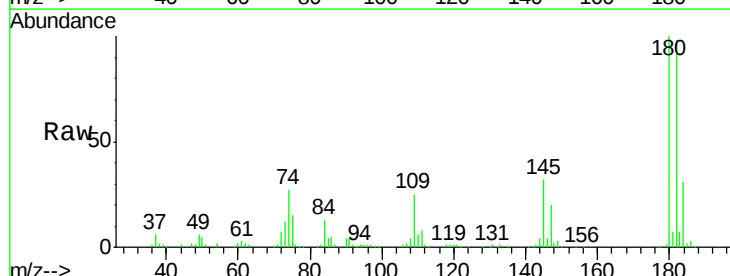
RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025330.D

Acq: 11 Jul 2018 21:33

Tgt Ion:	180	Resp:	182298
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.8	143.3
145	31.3	15.6	46.8



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

