

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024709.D
 Acq On : 18 Jun 2018 22:41
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:06 PM

Quant Time: Jun 19 07:36:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	156668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	250248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	243992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	144782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	123656	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
35) Dibromofluoromethane	4.89	113	103994	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	7.57	98	382290	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	10.31	95	147251	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78759	40.16	ug/l	99
3) Chloromethane	1.33	50	95706	47.77	ug/l	100
4) Vinyl Chloride	1.40	62	98103	47.48	ug/l	98
5) Bromomethane	1.62	94	55238	55.30	ug/l	97
6) Chloroethane	1.69	64	64434	55.94	ug/l	98
7) Trichlorofluoromethane	1.89	101	155106	49.19	ug/l	96
8) Diethyl Ether	2.10	74	60881	57.00	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	85508	43.71	ug/l	98
10) Methyl Iodide	2.41	142	83332	50.30	ug/l	97
11) Tert butyl alcohol	2.82	59	149536	240.40	ug/l	100
12) 1,1-Dichloroethene	2.28	96	82398	46.19	ug/l	90
13) Acrolein	2.19	56	41910	128.30	ug/l	99
14) Allyl chloride	2.59	41	130076	39.27	ug/l	93
15) Acrylonitrile	2.93	53	332166	274.46	ug/l	98
16) Acetone	2.32	43	283227	206.10	ug/l	97
17) Carbon Disulfide	2.48	76	232663	40.73	ug/l	99
18) Methyl Acetate	2.61	43	182039	61.79	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	329826	49.19	ug/l	97
20) Methylene Chloride	2.70	84	101476	47.06	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	90856	46.24	ug/l	94
22) Diisopropyl ether	3.57	45	328951	50.10	ug/l	98
23) Vinyl Acetate	3.53	43	1355996	230.54	ug/l	99
24) 1,1-Dichloroethane	3.45	63	182588	48.34	ug/l	99
25) 2-Butanone	4.26	43	475253	257.47	ug/l	97
26) 2,2-Dichloropropane	4.23	77	62282	17.36	ug/l	91
27) cis-1,2-Dichloroethene	4.23	96	110856	49.08	ug/l	89
28) Bromochloromethane	4.55	49	82260	49.44	ug/l	88
29) Tetrahydrofuran	4.63	42	307159	268.71	ug/l	97
30) Chloroform	4.68	83	188261	49.24	ug/l	99
31) Cyclohexane	5.00	56	163365	48.65	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	164695	46.58	ug/l	97
36) 1,1-Dichloropropene	5.14	75	129510	44.04	ug/l	97
37) Ethyl Acetate	4.38	43	173120	54.01	ug/l	96
38) Carbon Tetrachloride	5.14	117	148593	45.95	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	156592	42.67	ug/l	94
40) Benzene	5.39	78	406143	48.47	ug/l	99
41) Methacrylonitrile	4.54	41	96311	55.73	ug/l	98
42) 1,2-Dichloroethane	5.41	62	151237	47.39	ug/l	98
43) Isopropyl Acetate	5.55	43	281265	50.77	ug/l	98
44) Trichloroethene	6.19	130	111412	46.72	ug/l	91
45) 1,2-Dichloropropane	6.44	63	113093	50.58	ug/l	98
46) Dibromomethane	6.56	93	79703	50.75	ug/l	97
47) Bromodichloromethane	6.76	83	152215	48.68	ug/l	98
48) Methyl methacrylate	6.62	41	139791	51.82	ug/l	99
49) 1,4-Dioxane	6.61	88	58347	1105.97	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	933521	268.21	ug/l	98
52) Toluene	7.64	92	260165	48.26	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	147867	42.11	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	152050	40.63	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	112645	51.41	ug/l	98
56) Ethyl methacrylate	8.02	69	189413	51.64	ug/l	99
57) 1,3-Dichloropropane	8.25	76	188272	50.93	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	427568	304.29	ug/l	97
59) 2-Hexanone	8.36	43	750734	264.20	ug/l	100
60) Dibromochloromethane	8.48	129	129544	47.41	ug/l	100
61) 1,2-Dibromoethane	8.59	107	124774	51.16	ug/l	99
64) Tetrachloroethene	8.23	164	115459	49.78	ug/l	98
65) Chlorobenzene	9.12	112	296773	47.61	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	115050	48.58	ug/l	98
67) Ethyl Benzene	9.25	91	507924	46.48	ug/l	97
68) m/p-Xylenes	9.38	106	396888	94.59	ug/l	95
69) o-Xylene	9.78	106	199966	48.15	ug/l	96
70) Styrene	9.80	104	328179	48.09	ug/l	99
71) Bromoform	9.96	173	106910	47.50	ug/l #	98
73) Isopropylbenzene	10.17	105	528144	47.51	ug/l	98
74) N-amyl acetate	10.01	43	263580	49.85	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	195834	52.57	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	169683m	53.23	ug/l	
77) Bromobenzene	10.45	156	138248	49.13	ug/l	94
78) n-propylbenzene	10.59	91	604572	46.17	ug/l	99
79) 2-Chlorotoluene	10.66	91	364072	47.15	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	453537	47.07	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	49843m	36.19	ug/l	
82) 4-Chlorotoluene	10.78	91	419345	46.66	ug/l	99
83) tert-Butylbenzene	11.10	119	443013	47.80	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	468875	47.75	ug/l	99
85) sec-Butylbenzene	11.33	105	545262	47.00	ug/l	97
86) p-Isopropyltoluene	11.48	119	478789	46.08	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	246873	47.48	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	251401	48.04	ug/l	99
89) n-Butylbenzene	11.89	91	395037	42.83	ug/l	97
90) Hexachloroethane	12.15	117	89590	44.20	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	259867	49.90	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	52611	51.19	ug/l	90

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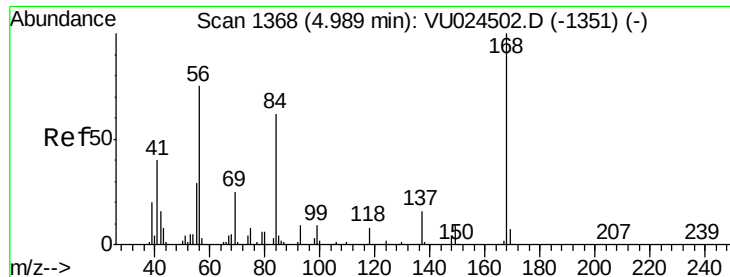
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	169672	52.76	ug/l	100
94) Hexachlorobutadiene	13.70	225	78544	43.39	ug/l	98
95) Naphthalene	13.74	128	600623	56.33	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	180577	56.35	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 156668

Ion Ratio Lower Upper

168 100

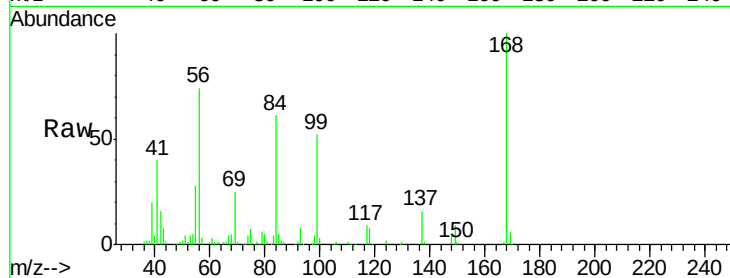
99 51.1 43.2 64.8

Manual Integrations

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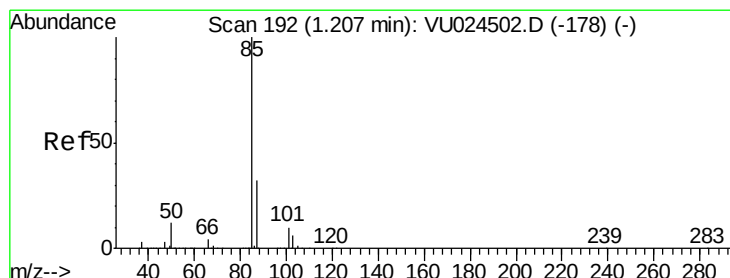
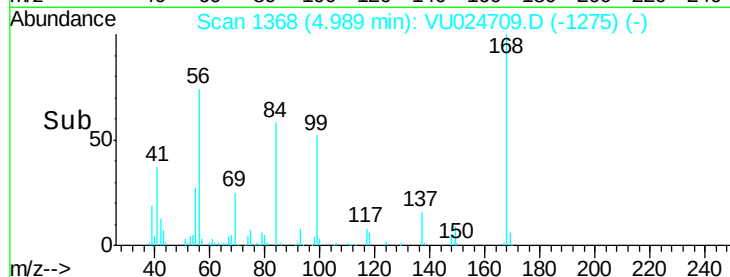
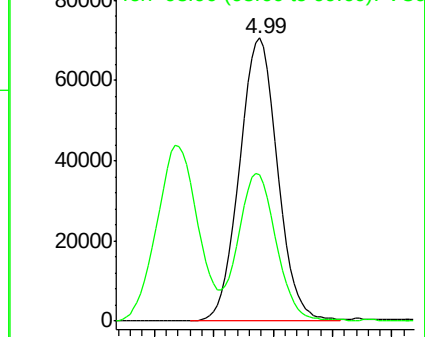
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.16 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024709.D

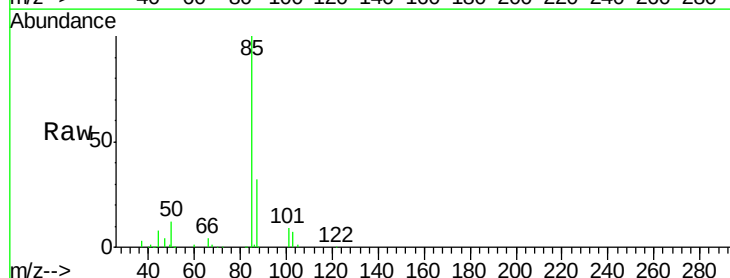
Acq: 18 Jun 2018 22:41

Tgt Ion: 85 Resp: 78759

Ion Ratio Lower Upper

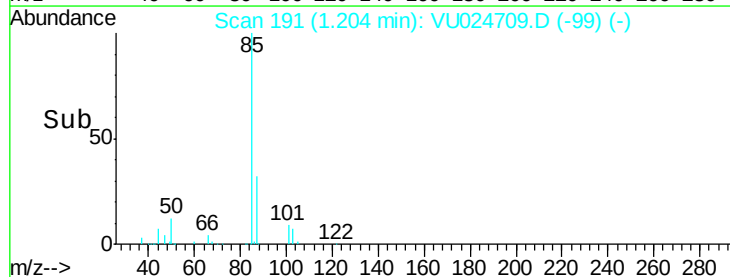
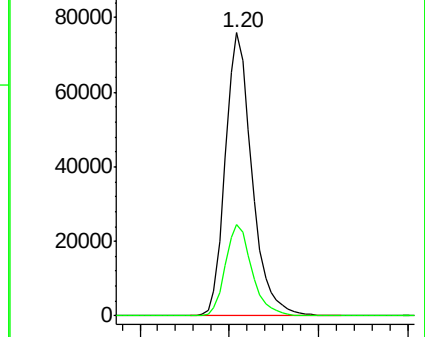
85 100

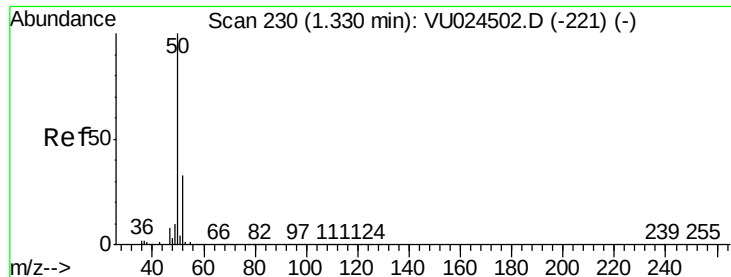
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 47.77 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95706

Ion Ratio Lower Upper

50 100

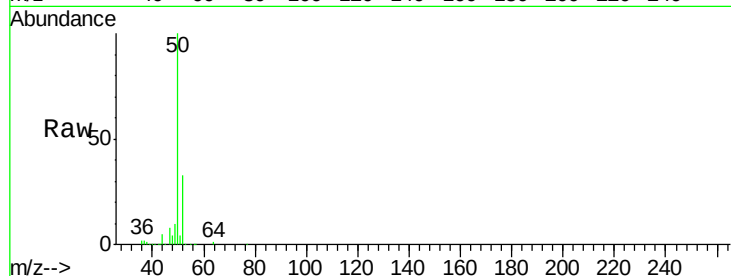
52 33.2 26.4 39.6

Manual Integrations

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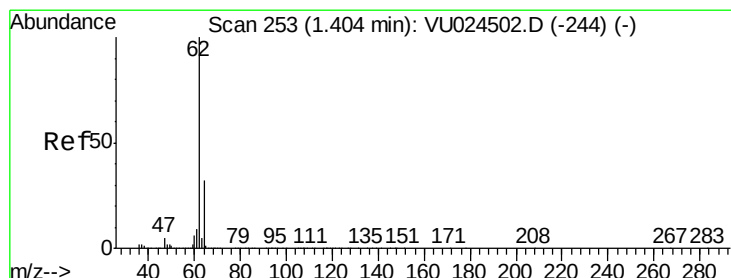
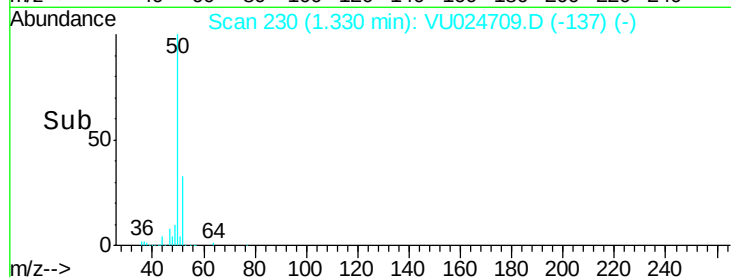
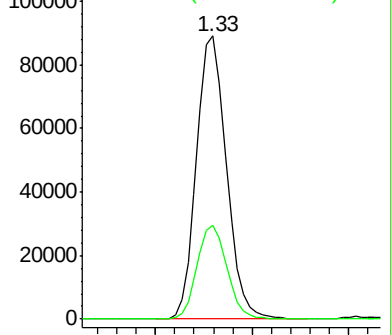
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 47.48 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024709.D

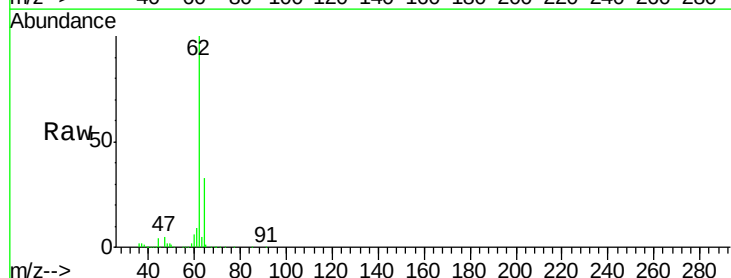
Acq: 18 Jun 2018 22:41

Tgt Ion: 62 Resp: 98103

Ion Ratio Lower Upper

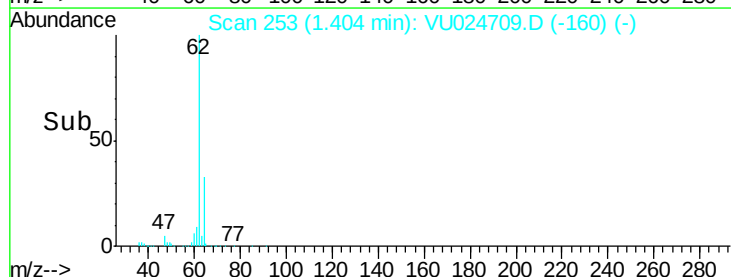
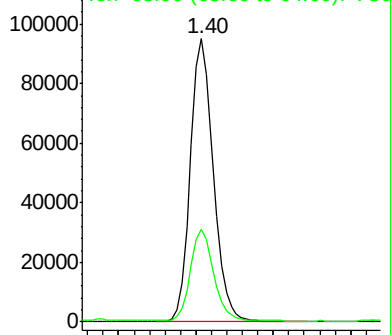
62 100

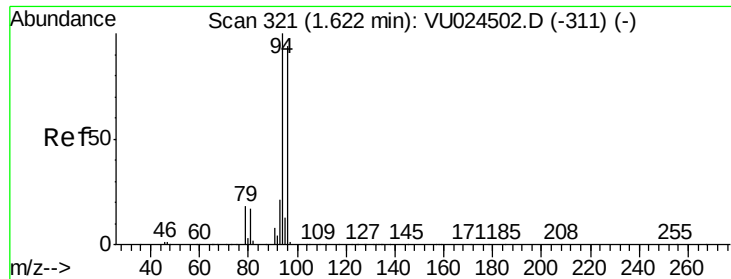
64 32.3 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 55.30 ug/l

RT: 1.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 55238

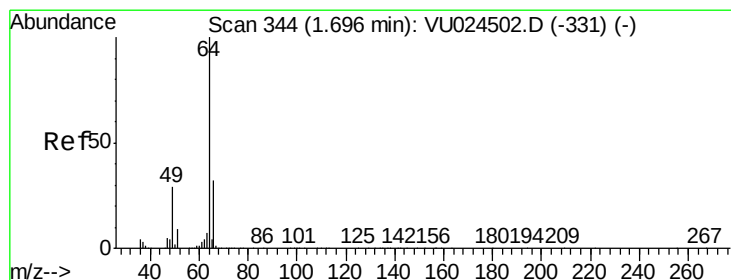
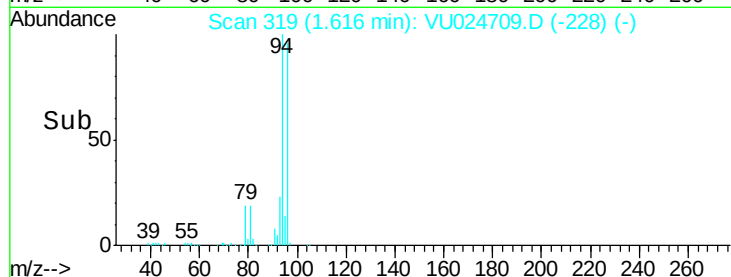
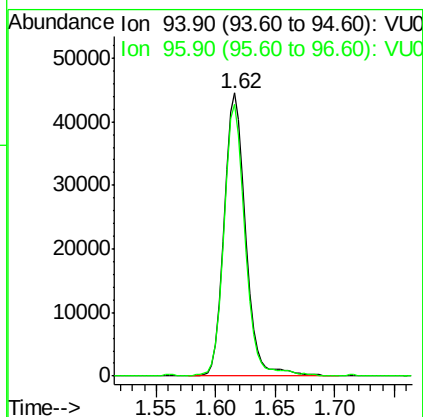
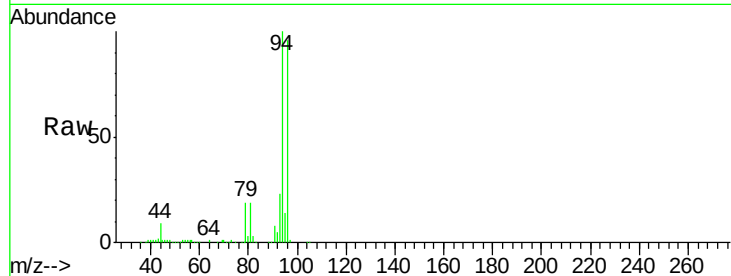
Ion Ratio Lower Upper

94 100

96 96.1 74.5 111.7

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#6

Chloroethane

Concen: 55.94 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024709.D

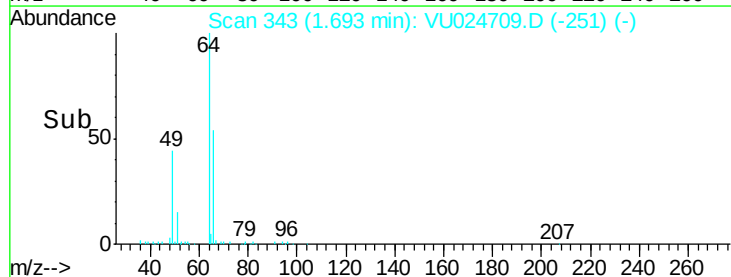
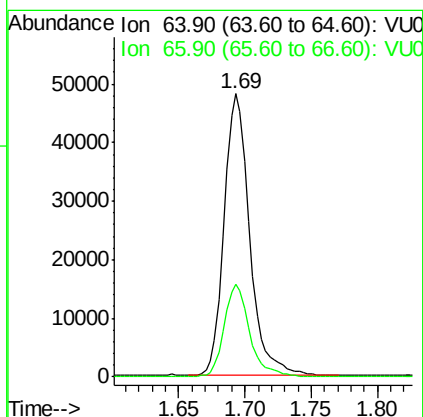
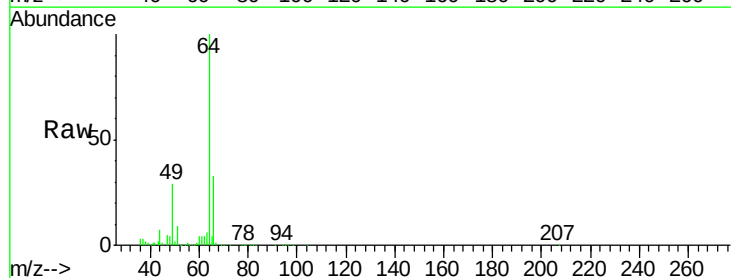
Acq: 18 Jun 2018 22:41

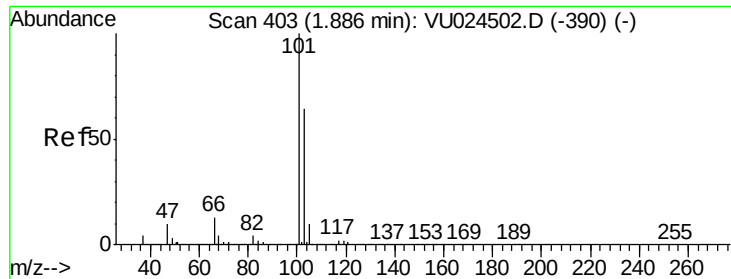
Tgt Ion: 64 Resp: 64434

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

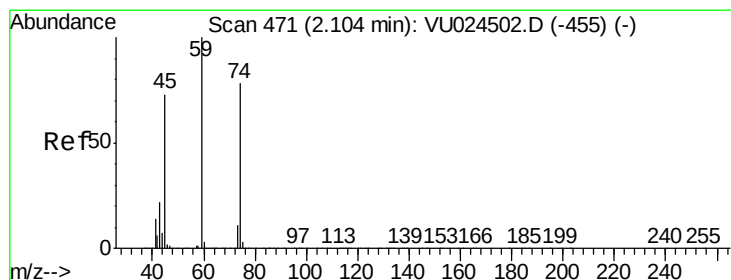
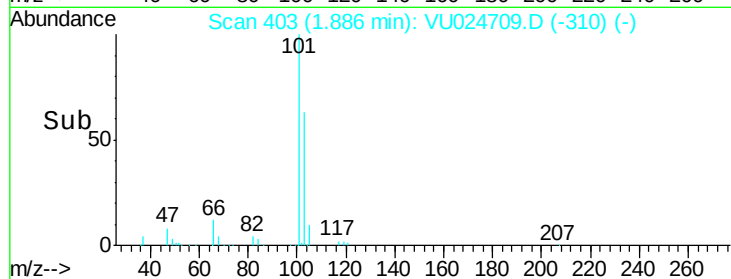
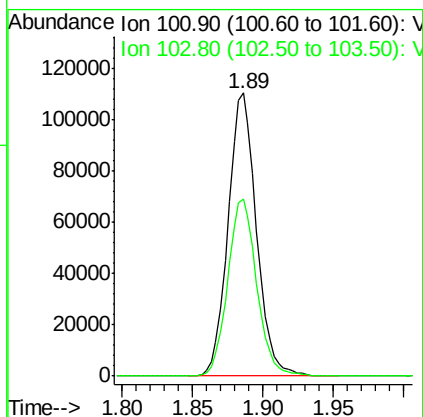
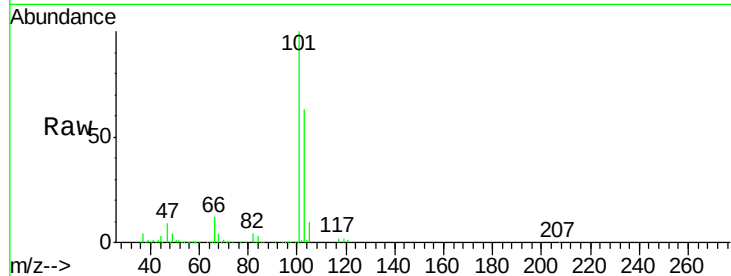
Trichlorofluoromethane
 Concen: 49.19 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.3	78.5

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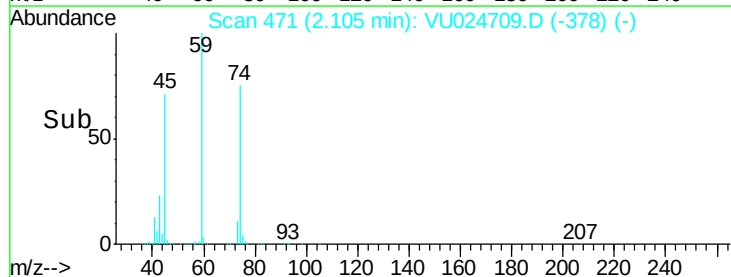
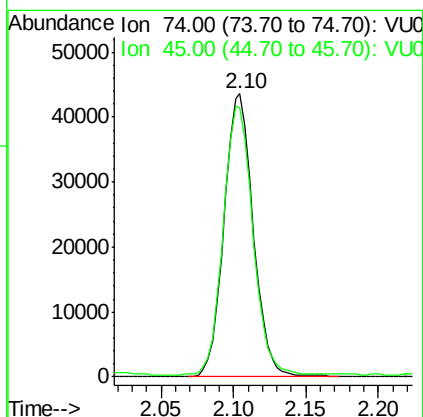
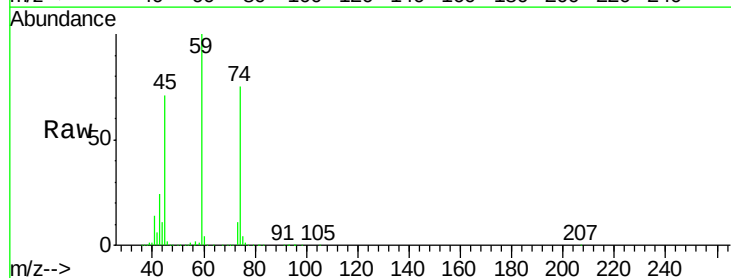
MMDadoda
 6/19/2018 1:55:06 PM

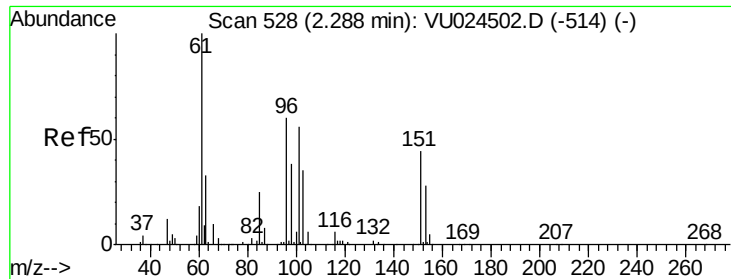


#8

Diethyl Ether
 Concen: 57.00 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.71 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

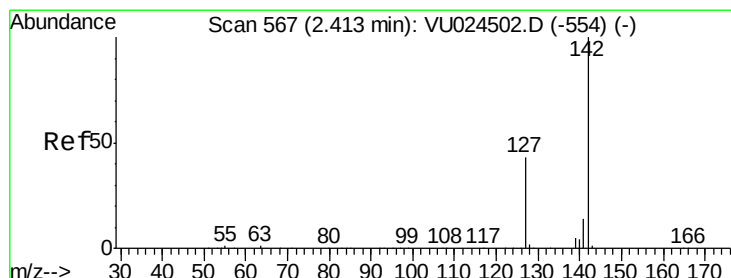
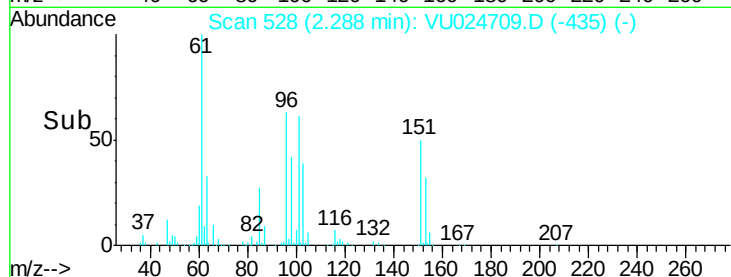
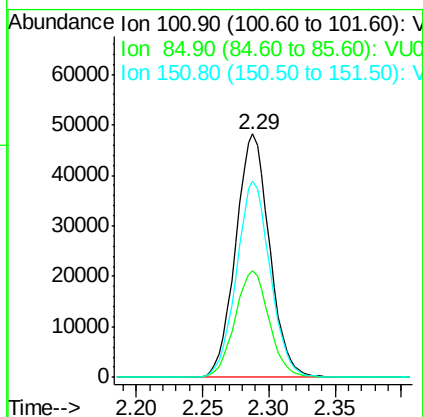
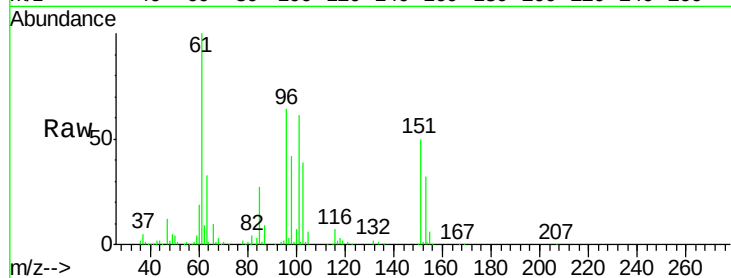
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	85508
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.0	54.0
151	80.3	62.3	93.5

Manual Integrations
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MMDadoda
6/19/2018 1:55:06 PM



#10

Methyl Iodide

Concen: 50.30 ug/l

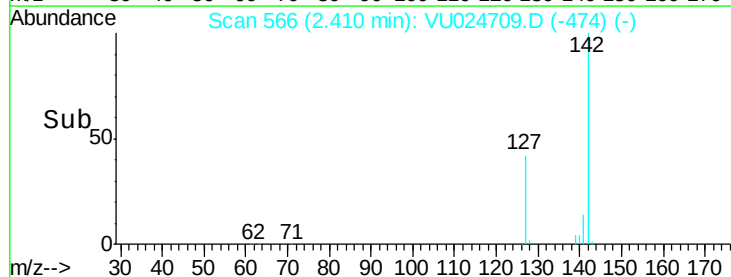
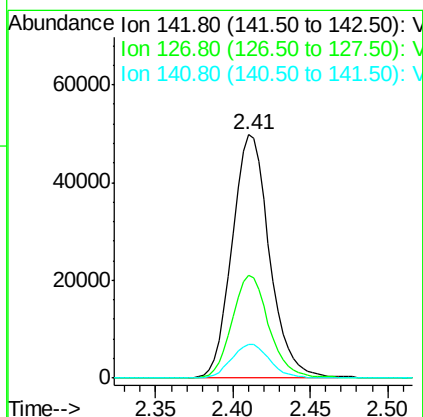
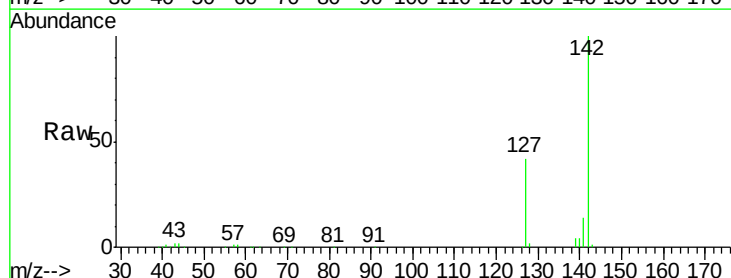
RT: 2.41 min Scan# 566

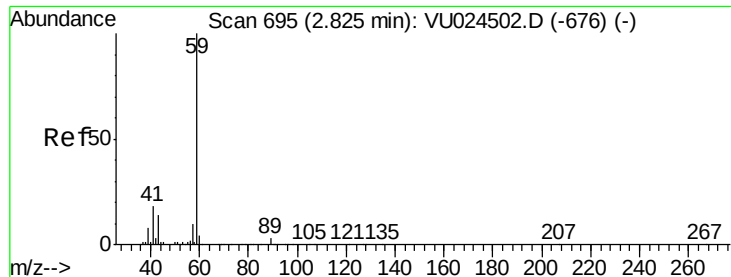
Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	142	Resp:	83332
Ion Ratio	Lower	Upper	
142	100		
127	41.7	35.6	53.4
141	14.3	11.7	17.5





#11

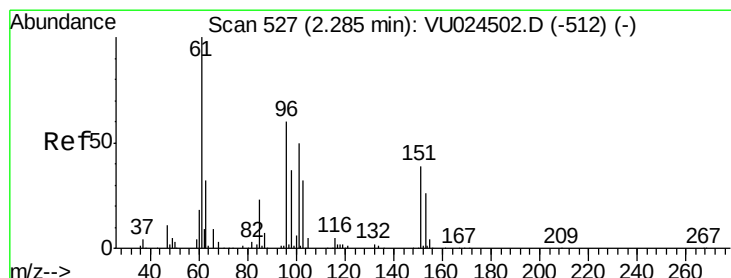
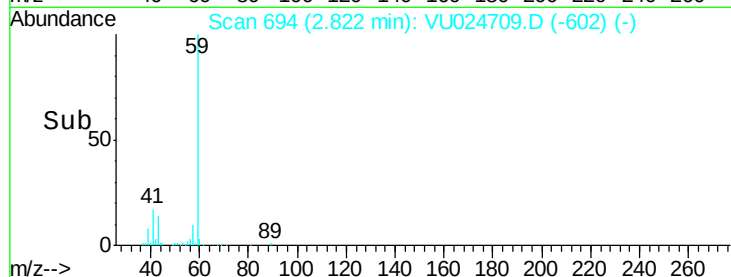
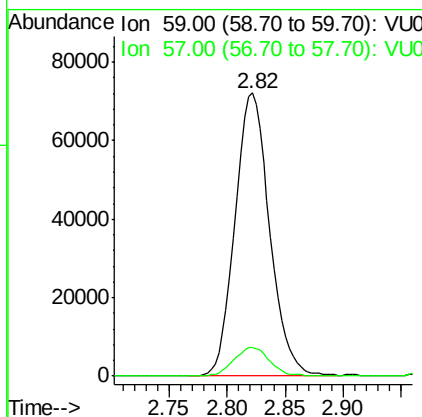
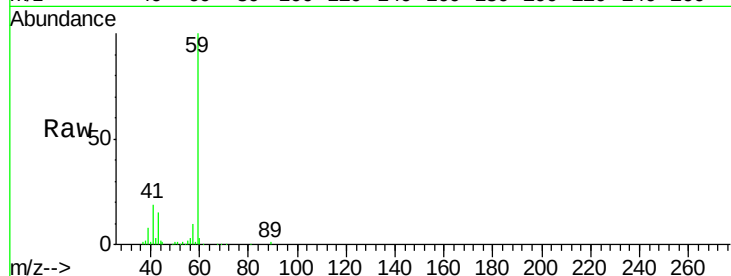
Tert butyl alcohol
Concen: 240.40 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

Manual Integrations
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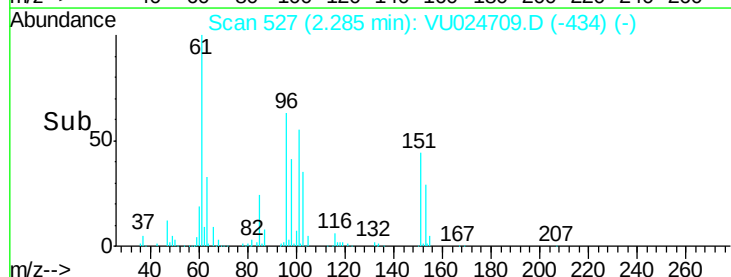
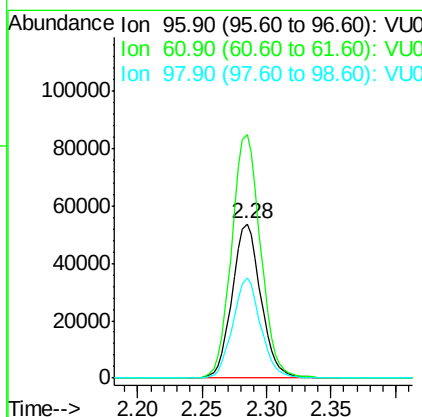
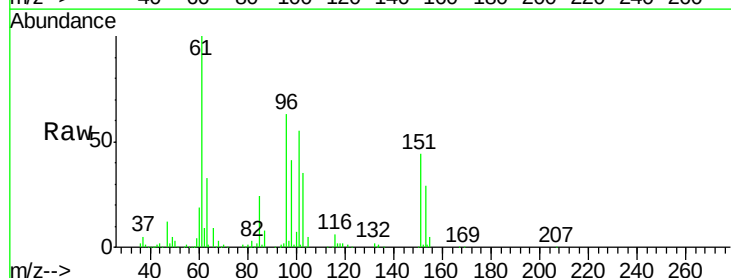
MMDadoda
6/19/2018 1:55:06 PM

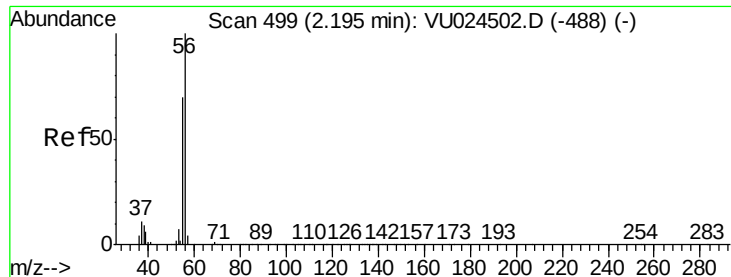


#12

1,1-Dichloroethene
Concen: 46.19 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	141.7	212.5
98	65.1	51.6	77.4





#13

Acrolein

Concen: 128.30 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 41910

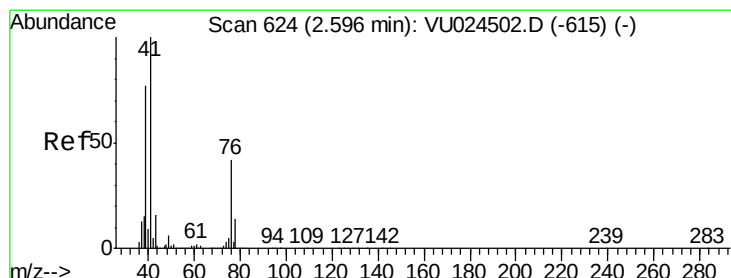
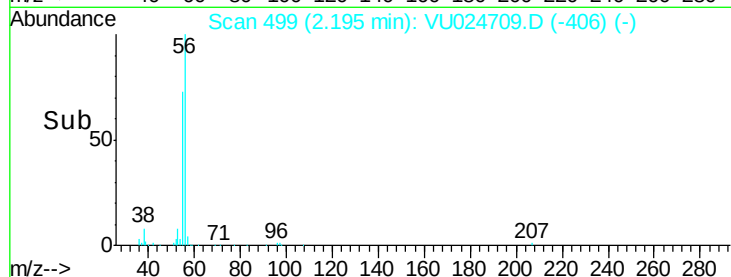
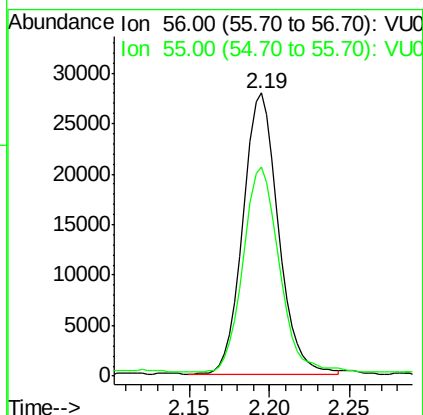
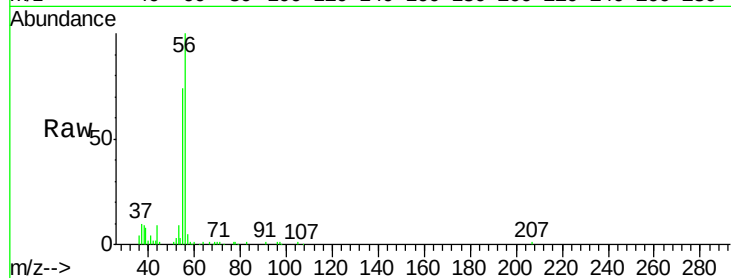
Ion Ratio Lower Upper

56 100

55 74.1 58.4 87.6

Manual Integrations
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#14

Allyl chloride

Concen: 39.27 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

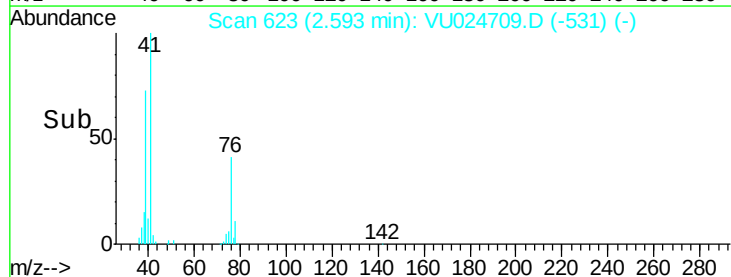
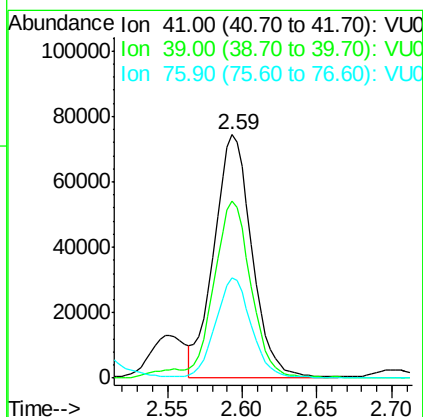
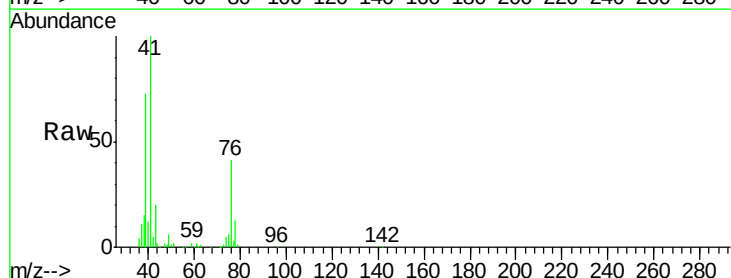
Tgt Ion: 41 Resp: 130076

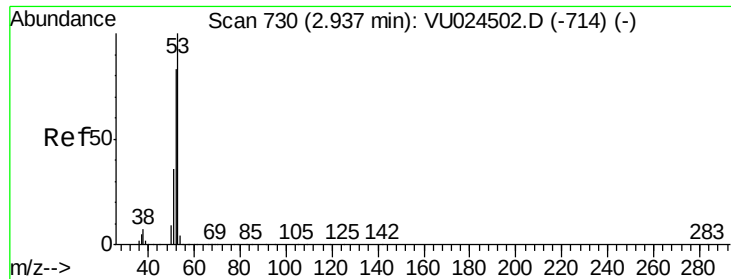
Ion Ratio Lower Upper

41 100

39 70.1 61.6 92.4

76 39.4 29.7 44.5





#15

Acrylonitrile

Concen: 274.46 ug/l

RT: 2.93 min Scan# 729

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

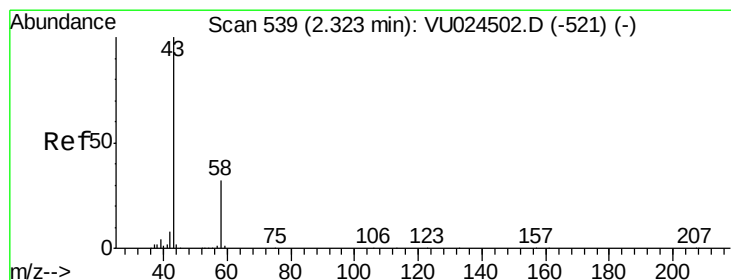
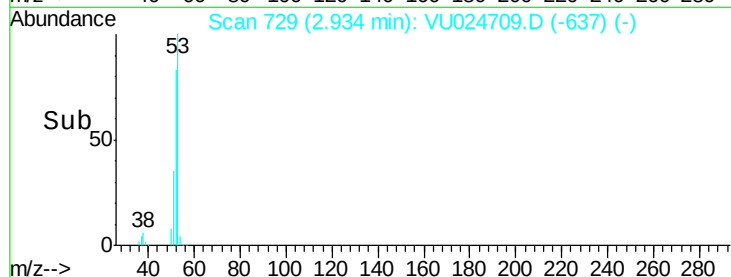
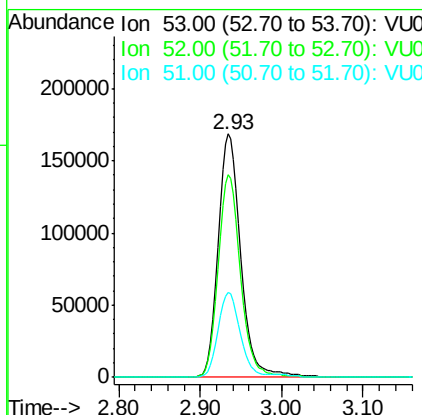
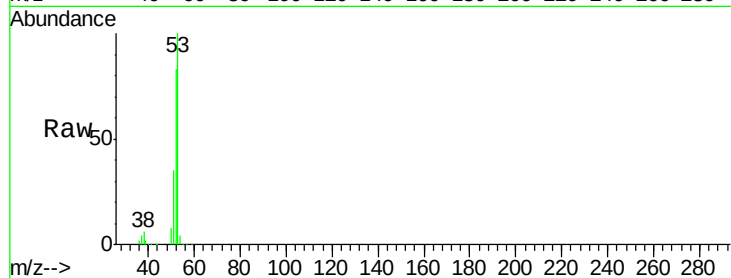
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	332166
Ion	Ratio	Lower	Upper
53	100		
52	82.4	67.1	100.7
51	34.7	28.4	42.6

Manual Integrations
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6/19/2018 1:55:06 PM



#16

Acetone

Concen: 206.10 ug/l

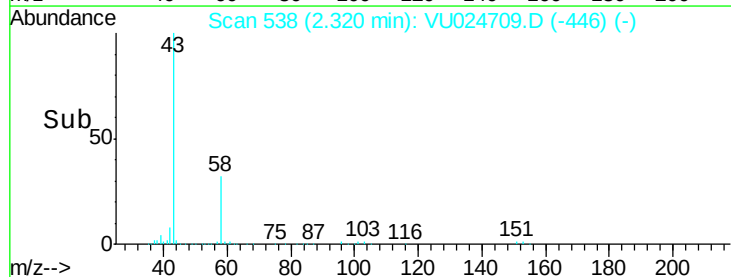
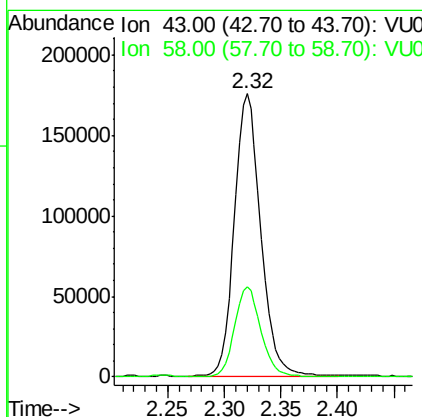
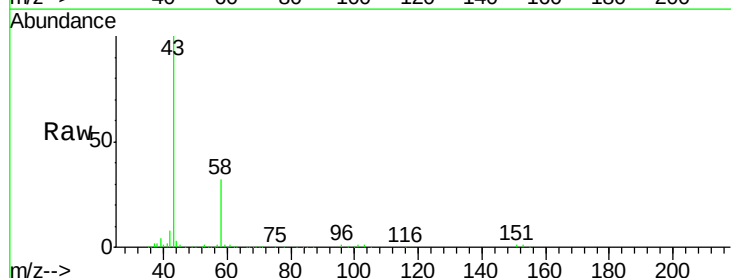
RT: 2.32 min Scan# 538

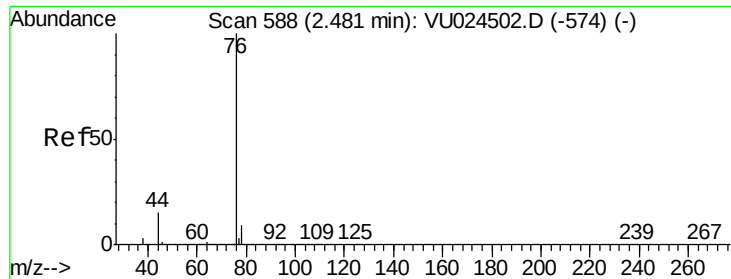
Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	43	Resp:	283227
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.4	36.6





#17

Carbon Disulfide

Concen: 40.73 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 232663

Ion Ratio Lower Upper

76 100

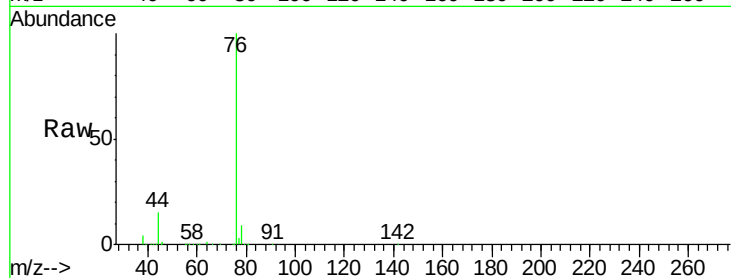
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

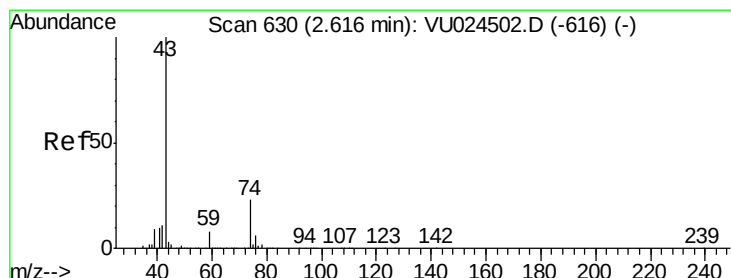
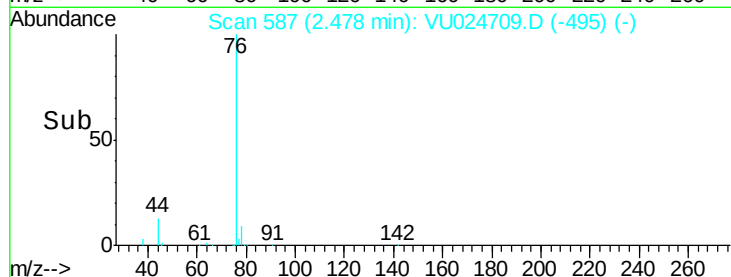
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 61.79 ug/l

RT: 2.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VU024709.D

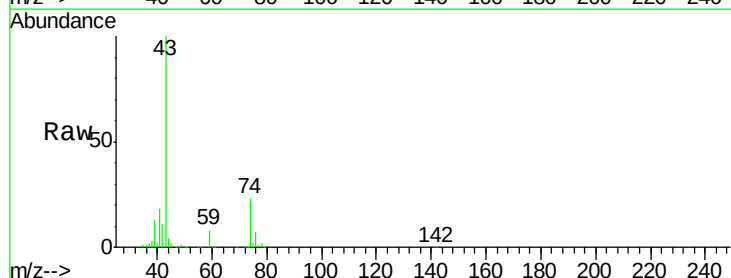
Acq: 18 Jun 2018 22:41

Tgt Ion: 43 Resp: 182039

Ion Ratio Lower Upper

43 100

74 23.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

120000

100000

80000

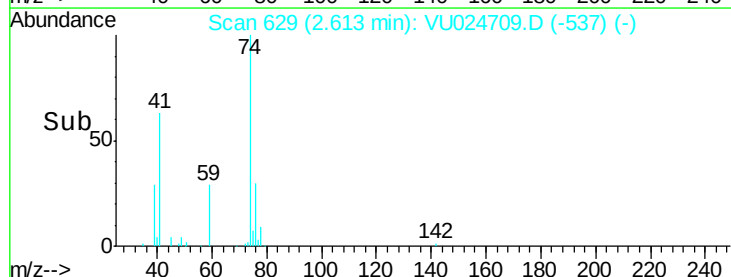
60000

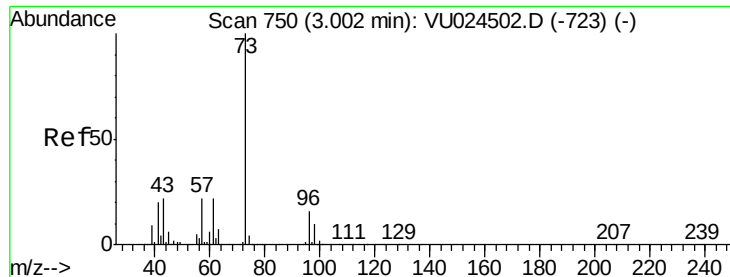
40000

20000

0

Time-->





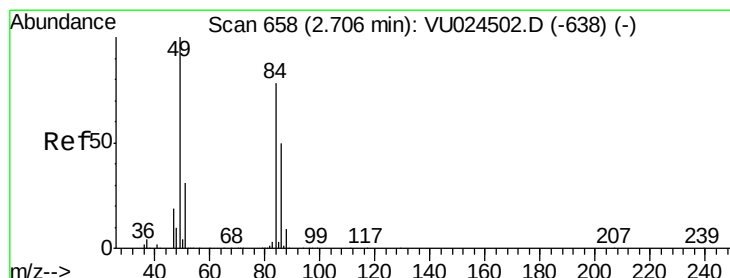
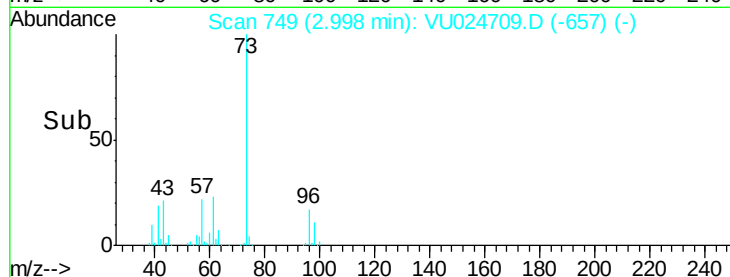
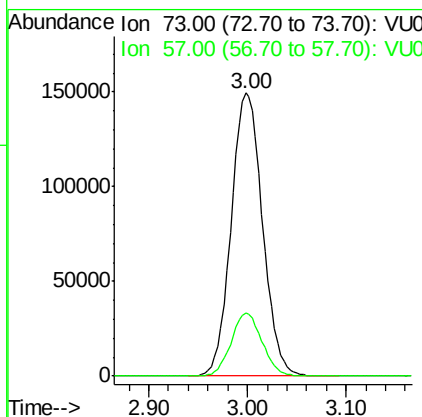
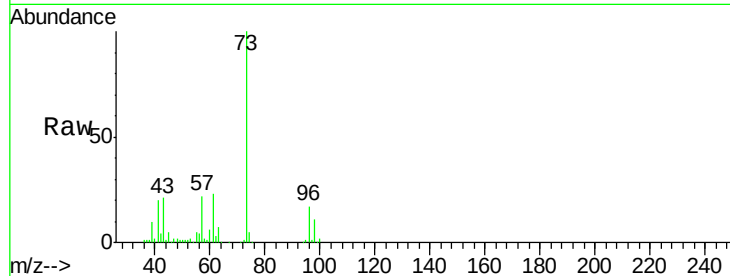
#19
Methyl tert-butyl Ether
Concen: 49.19 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.8	28.2

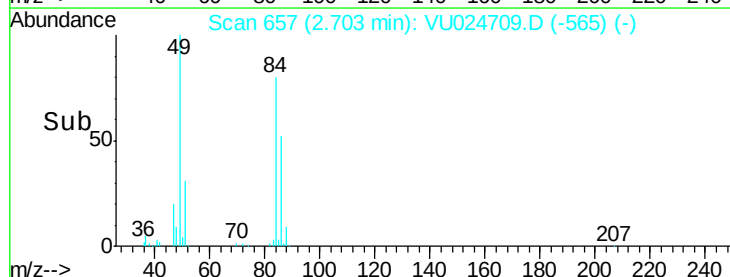
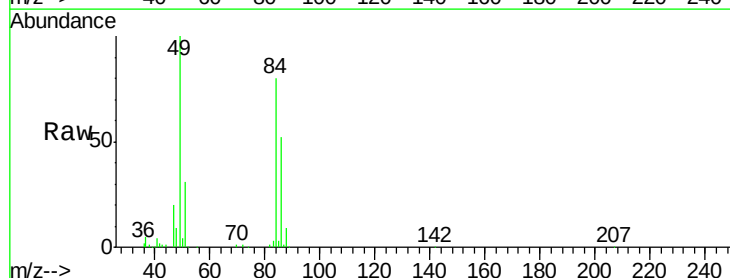
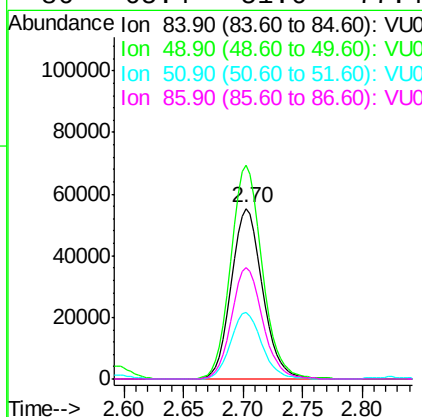
Manual Integrations
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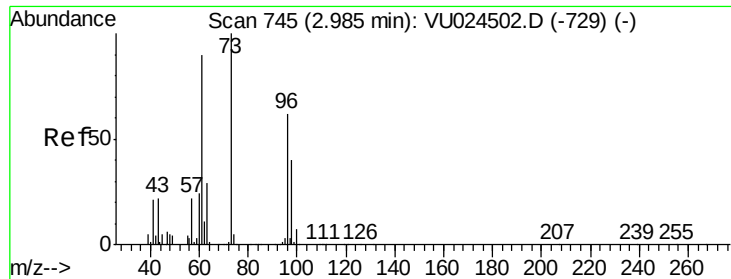
MMDadoda
6/19/2018 1:55:06 PM



#20
Methylene Chloride
Concen: 47.06 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.4	103.8	155.8
51	38.9	32.0	48.0
86	65.4	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 46.24 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

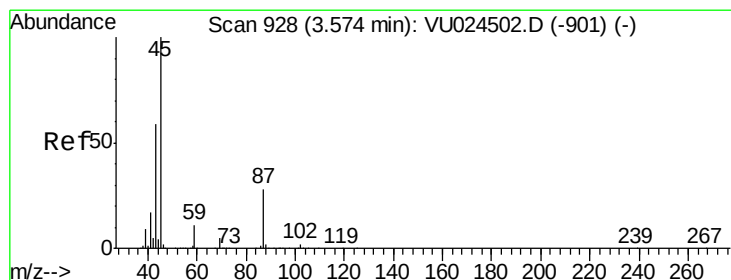
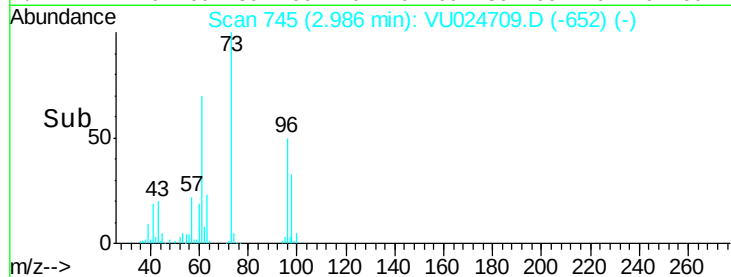
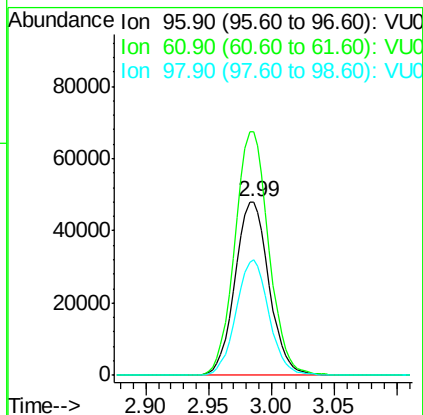
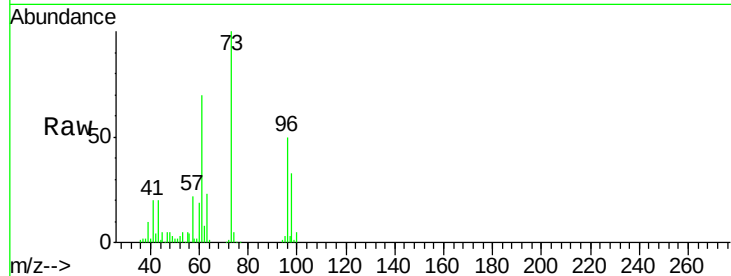
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	90856
Ion	Ratio	Lower	Upper
96	100		
61	140.5	119.4	179.0
98	66.7	51.1	76.7

Manual Integrations
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6/19/2018 1:55:06 PM



#22

Diisopropyl ether

Concen: 50.10 ug/l

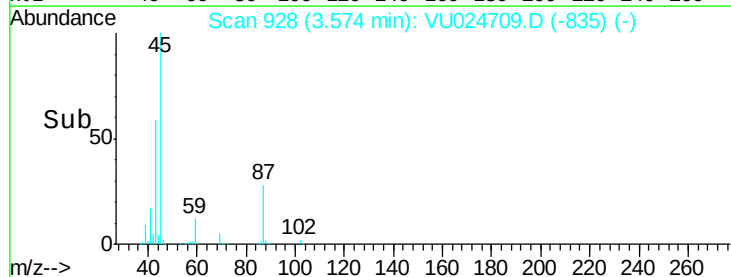
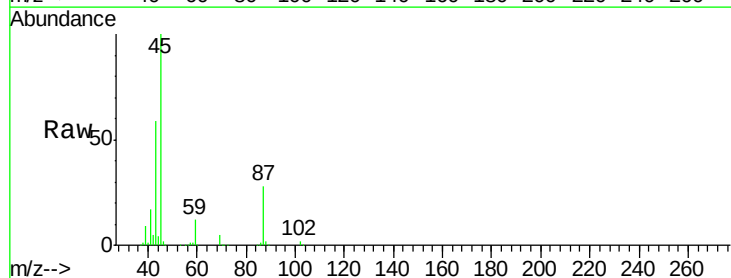
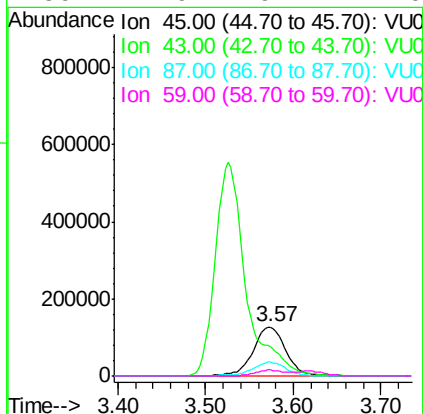
RT: 3.57 min Scan# 928

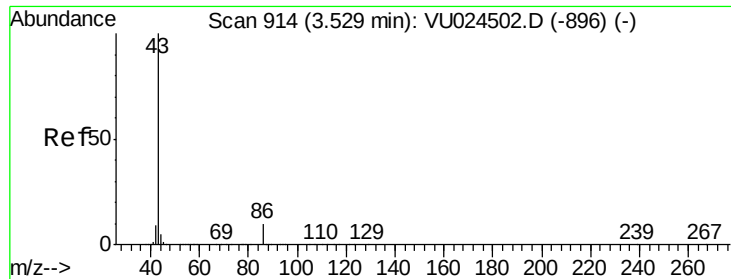
Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	45	Resp:	328951
Ion	Ratio	Lower	Upper
45	100		
43	57.9	45.8	68.6
87	28.1	20.6	31.0
59	11.9	9.4	14.0





#23

Vinyl Acetate

Concen: 230.54 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tot Ion: 43 Resp: 1355996

Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

Instrument :

MSVOA_U

ClientSampleId :

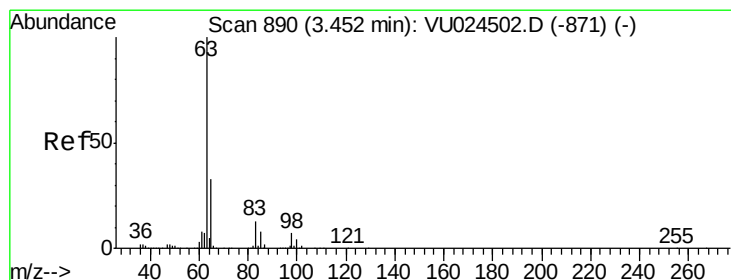
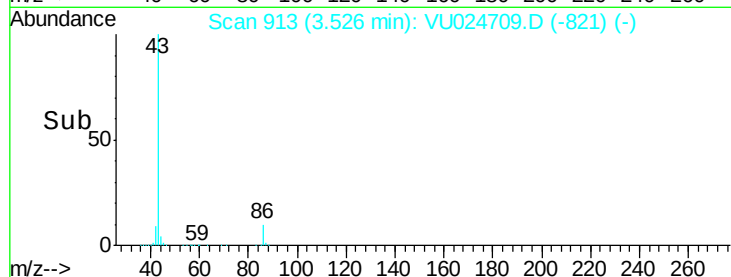
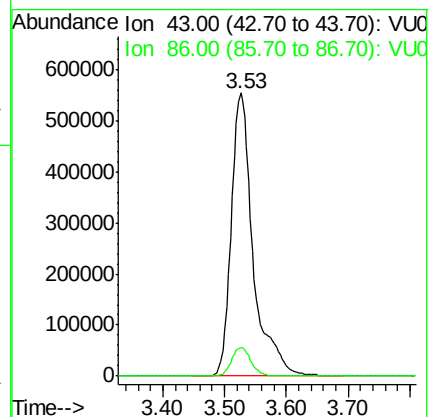
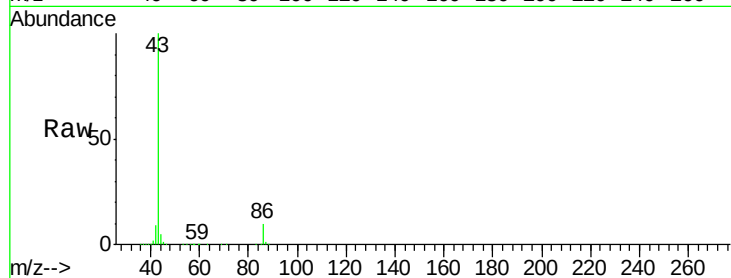
VSTDCCC050

Manual Integrations

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MMDadoda

6/19/2018 1:55:06 PM



#24

1,1-Dichloroethane

Concen: 48.34 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

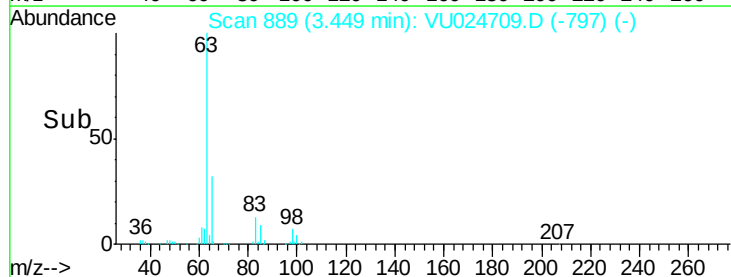
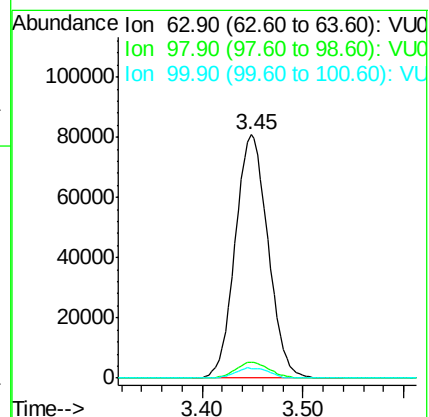
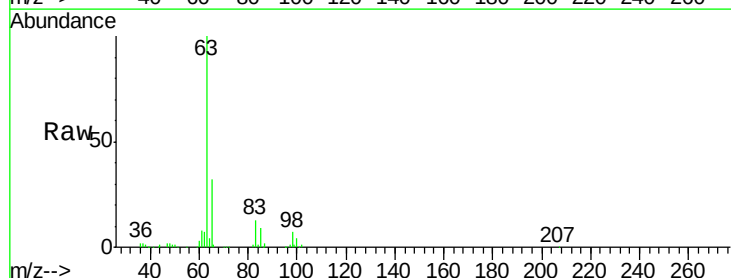
Tgt Ion: 63 Resp: 182588

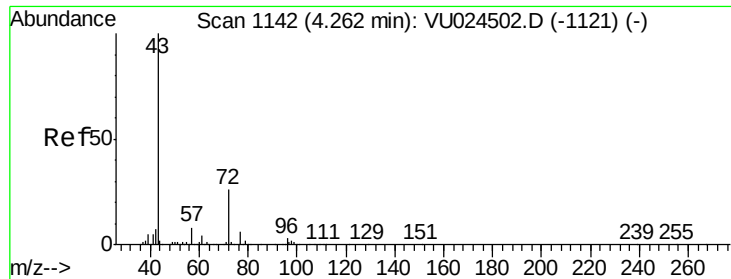
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.0 1.8 5.5





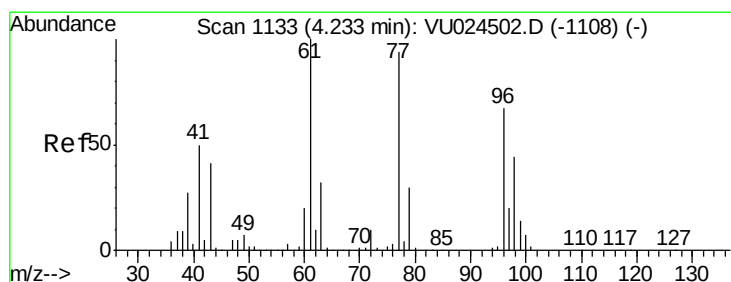
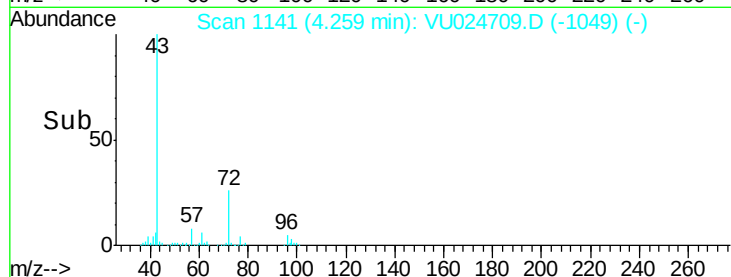
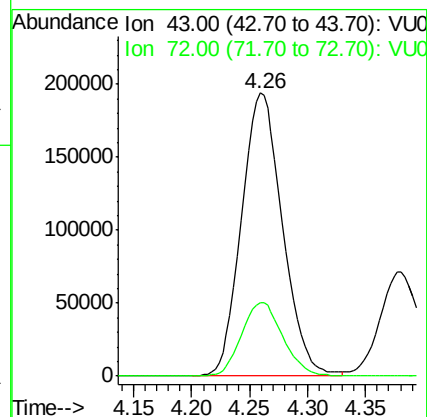
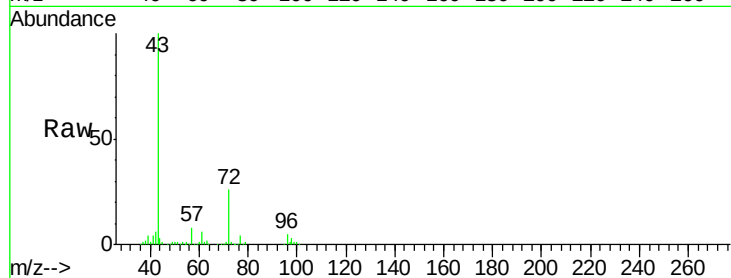
#25
2-Butanone
Concen: 257.47 ug/l
RT: 4.26 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	475253
Ion Ratio	100	Lower	Upper
72	26.0	19.6	29.4

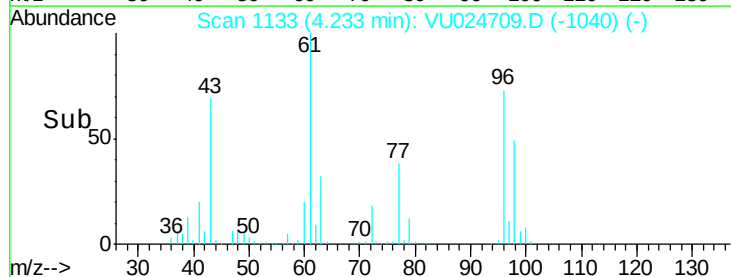
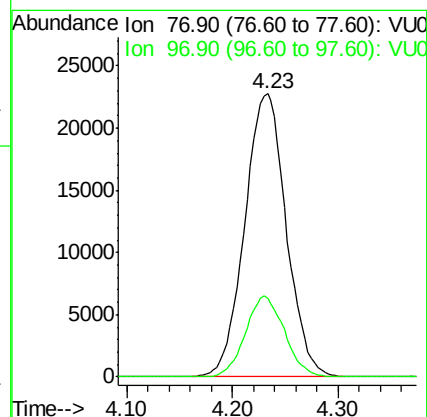
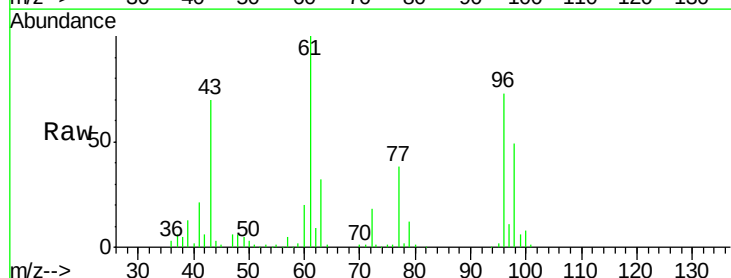
Manual Integrations
APPROVED

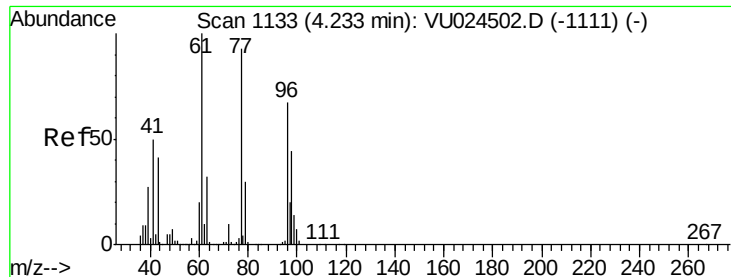
MMDadoda
6/19/2018 1:55:06 PM



#26
2,2-Dichloropropane
Concen: 17.36 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	77	Resp	62282
Ion Ratio	100	Lower	Upper
97	26.8	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 49.08 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

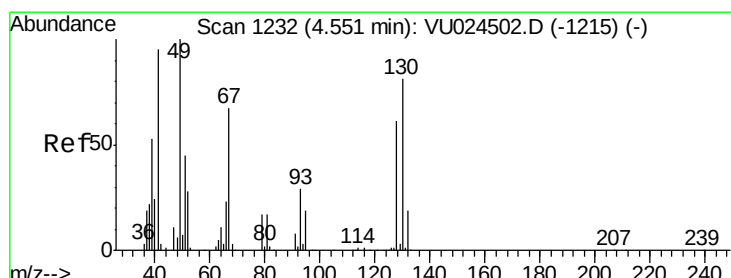
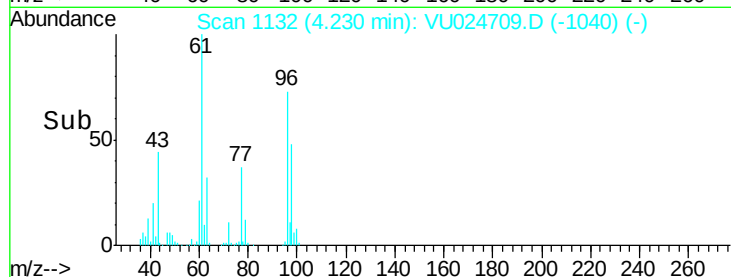
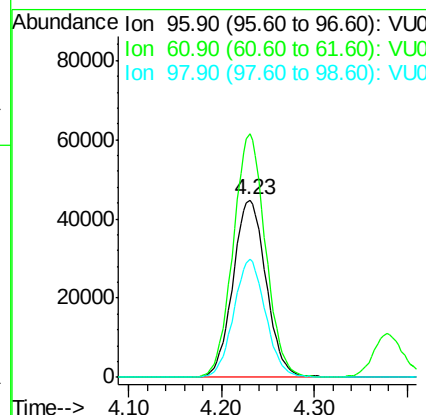
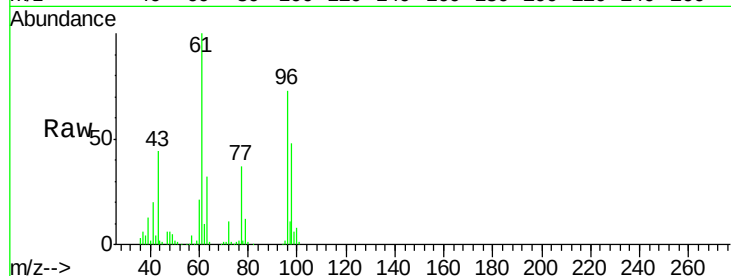
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	110856
Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	306.6
98	64.2	0.0	128.8

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#28

Bromochloromethane

Concen: 49.44 ug/l

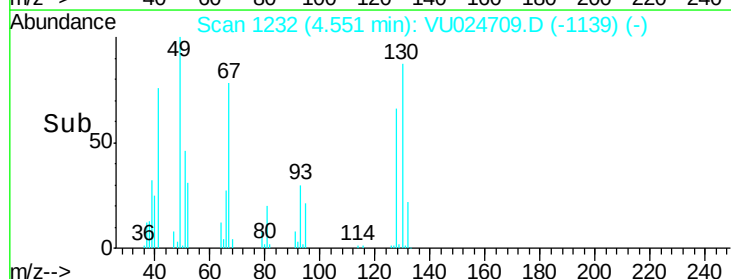
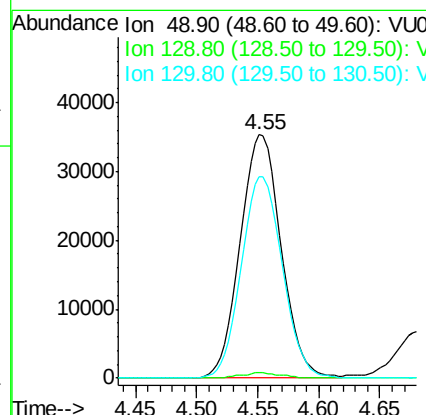
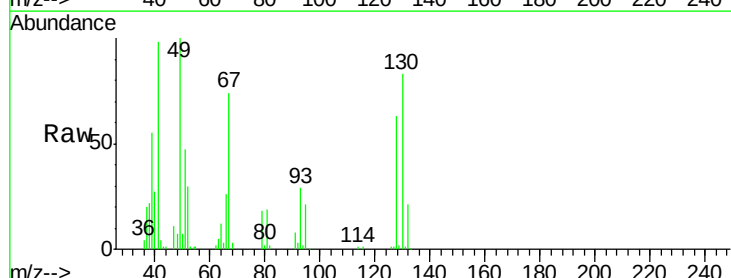
RT: 4.55 min Scan# 1232

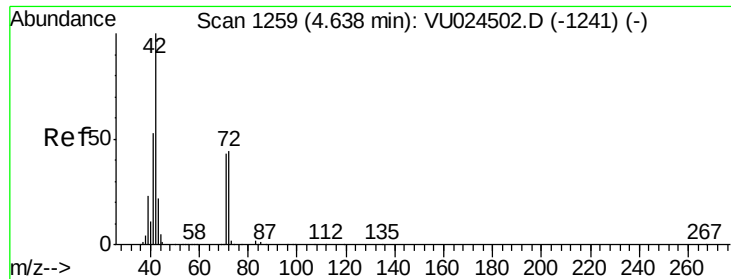
Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	49	Resp:	82260
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	82.8	57.8	86.6





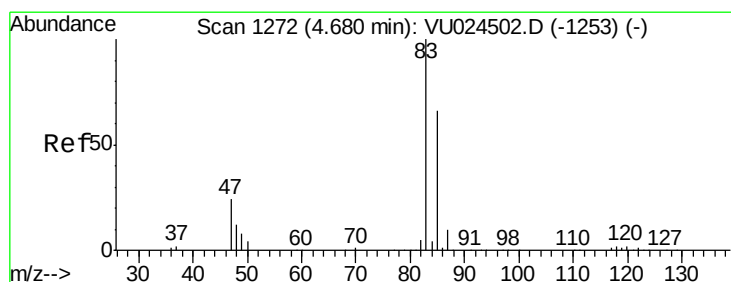
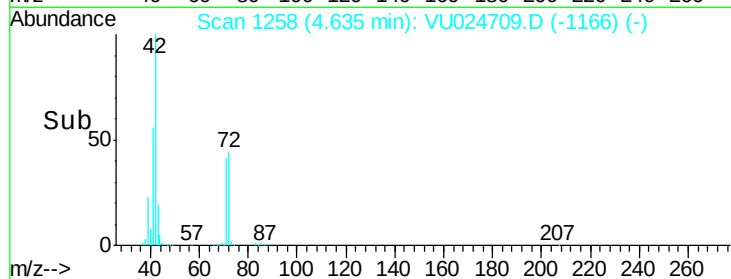
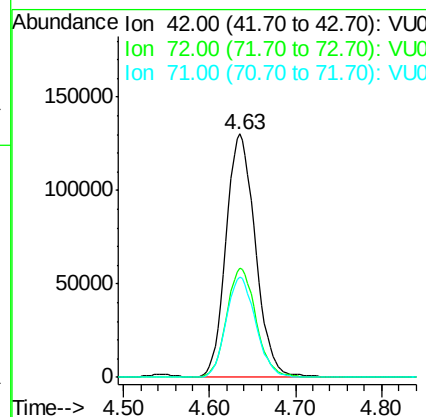
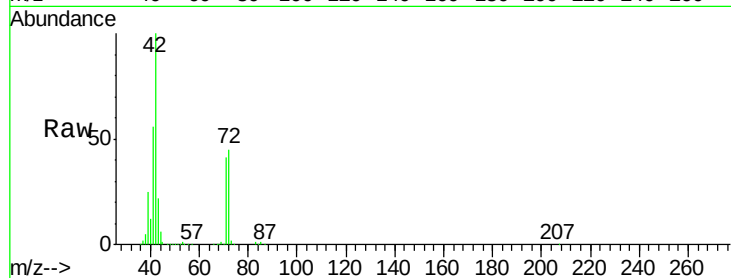
#29
Tetrahydrofuran
Concen: 268.71 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.3	34.5	51.7
71	41.9	32.2	48.4

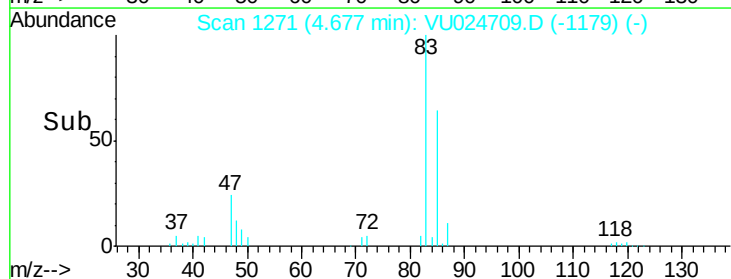
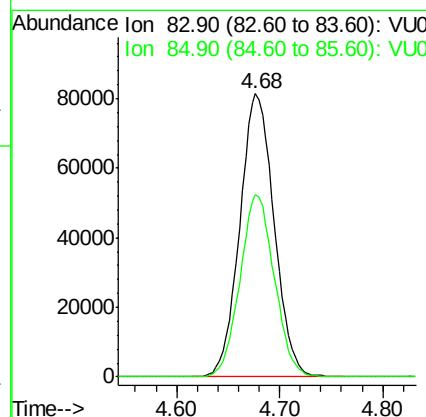
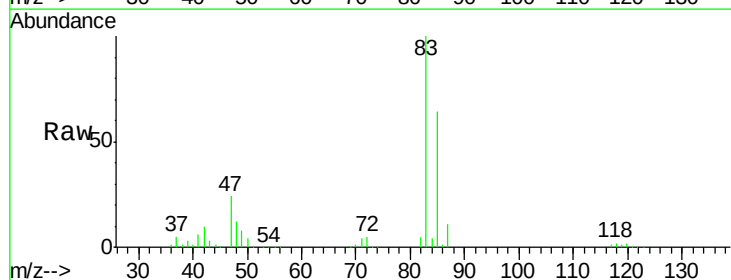
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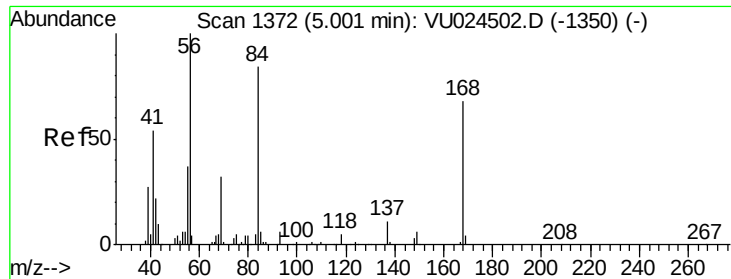
MMDadoda
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#30
Chloroform
Concen: 49.24 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





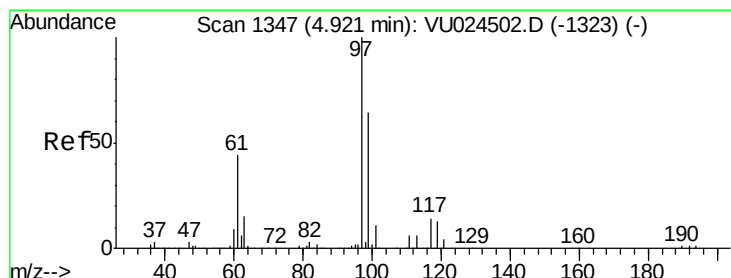
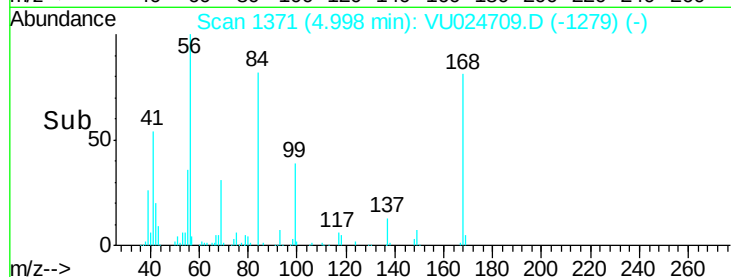
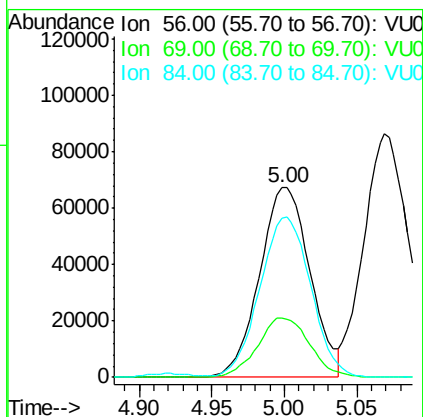
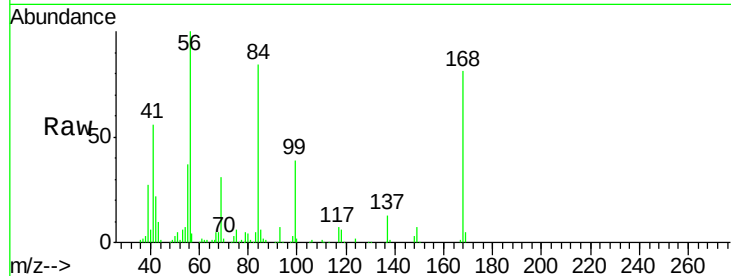
#31
Cyclohexane
Concen: 48.65 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.8	37.2
84	82.5	65.2	97.8

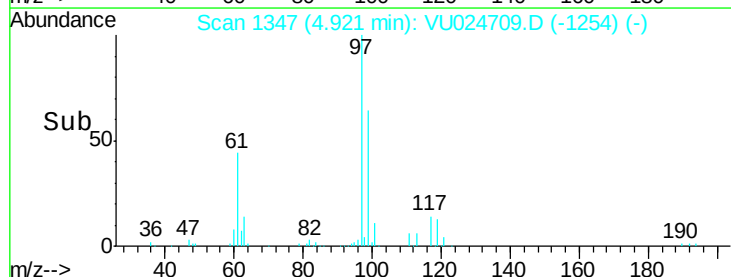
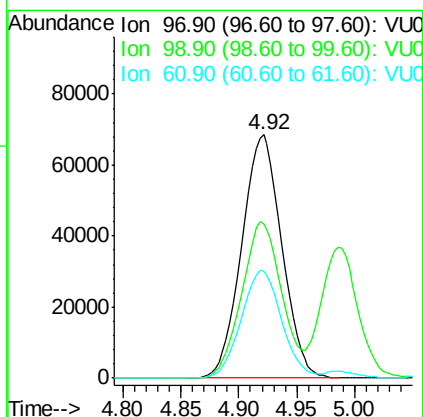
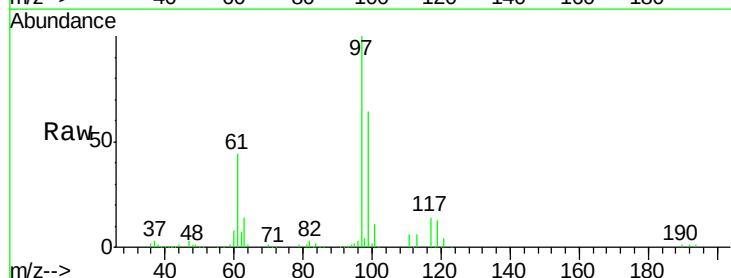
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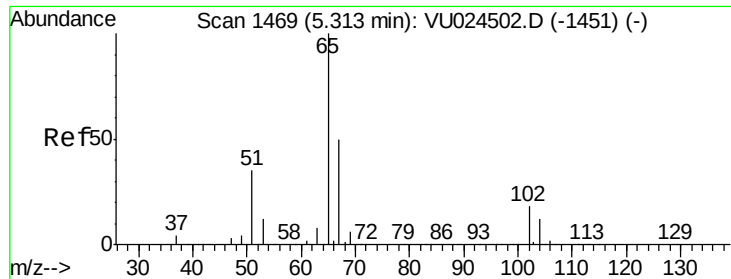
MMDadoda
6/19/2018 1:55:06 PM



#32
1,1,1-Trichloroethane
Concen: 46.58 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.6
61	44.7	39.4	59.0





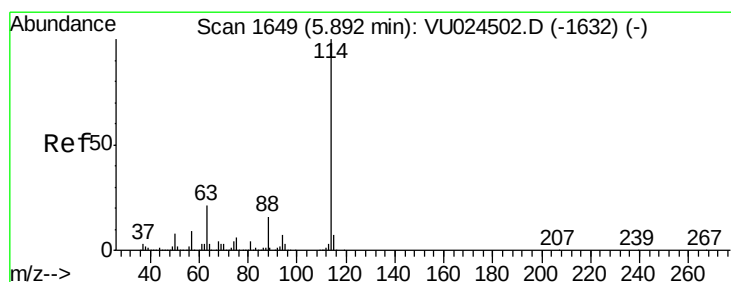
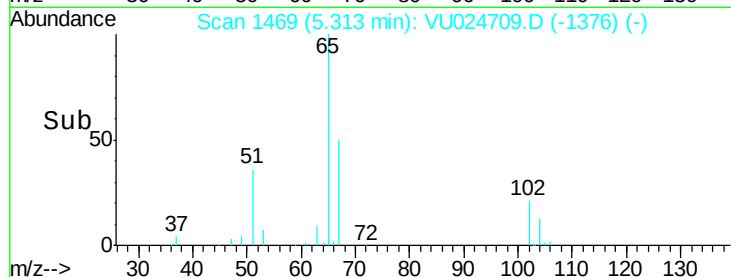
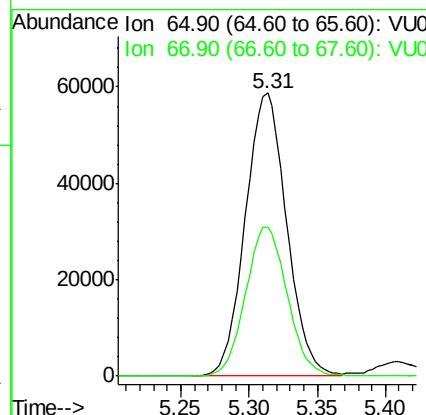
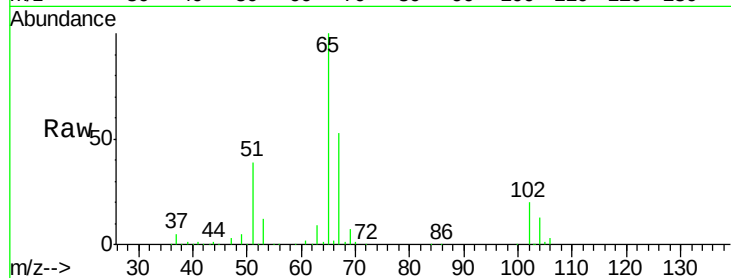
#33
 1,2-Dichloroethane-d4
 Concen: 48.35 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123656		
67	53.0	0.0	107.0	

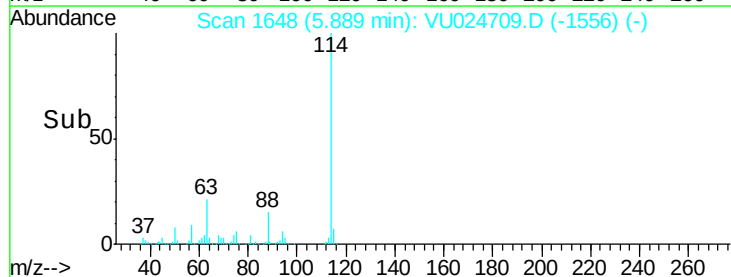
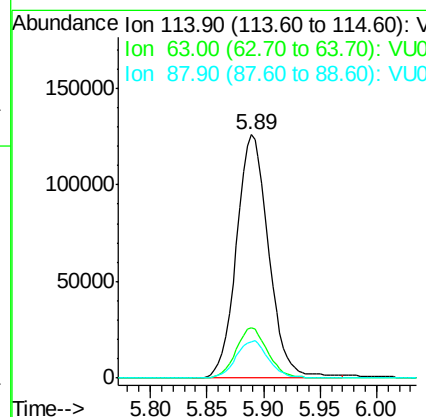
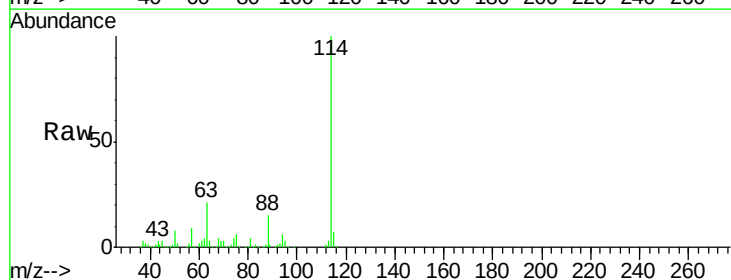
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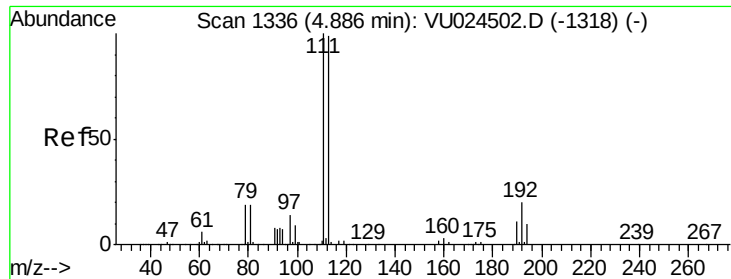
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	250248		
63	20.9	0.0	45.4	
88	15.1	0.0	31.0	





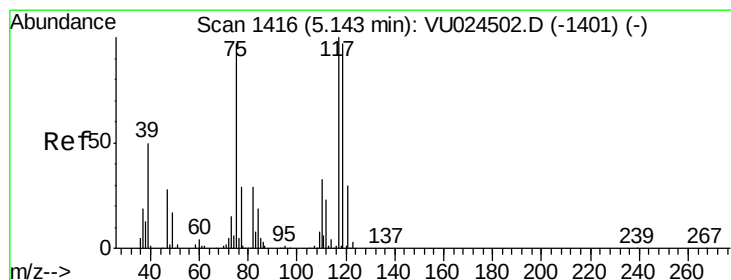
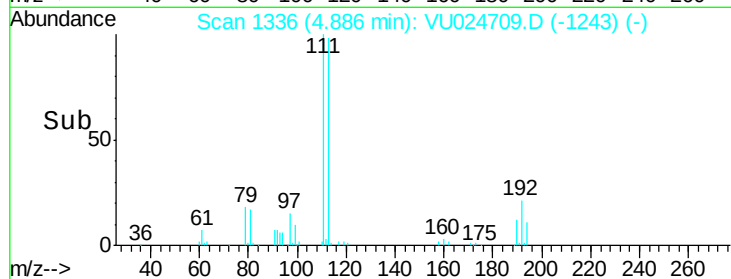
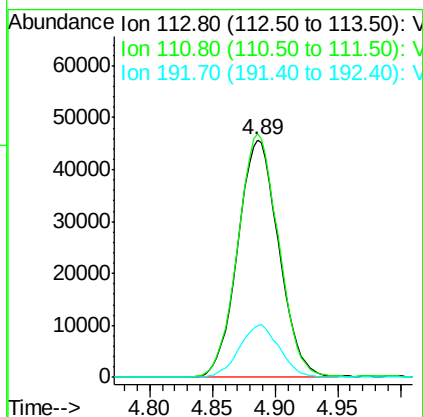
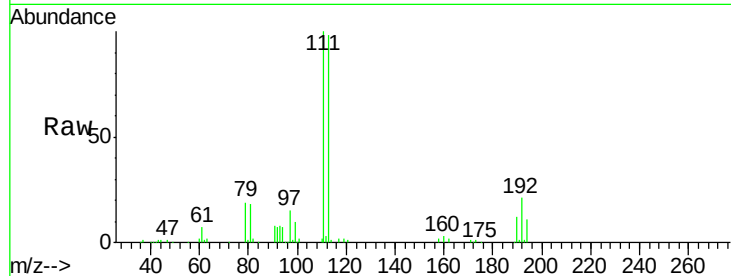
#35
 Dibromofluoromethane
 Concen: 50.07 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	21.7	16.2	24.4

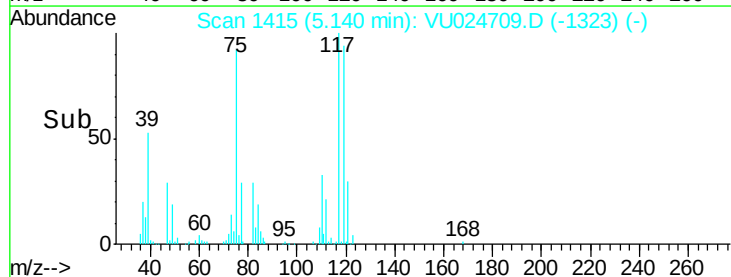
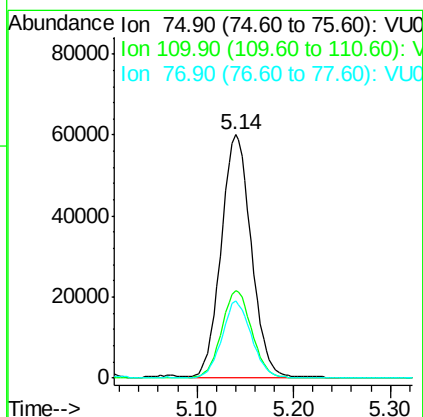
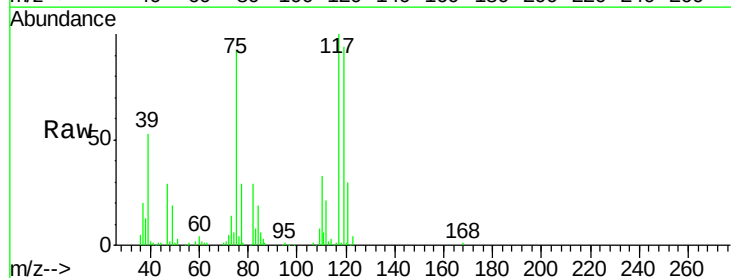
Manual Integrations
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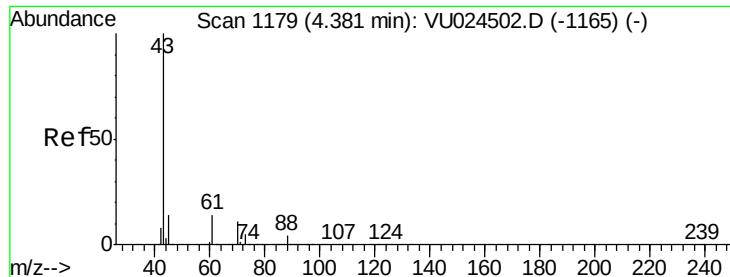
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 6/19/2018 1:55:06 PM



#36
 1,1-Dichloropropene
 Concen: 44.04 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.0	50.9
77	31.3	24.2	36.4





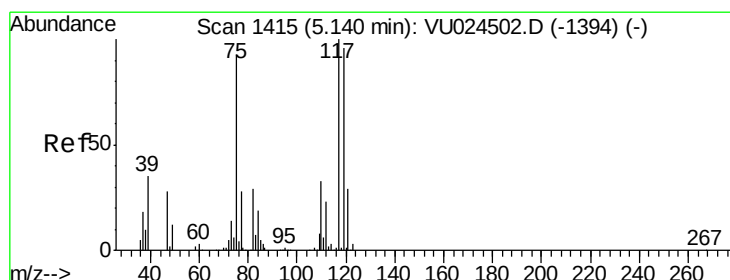
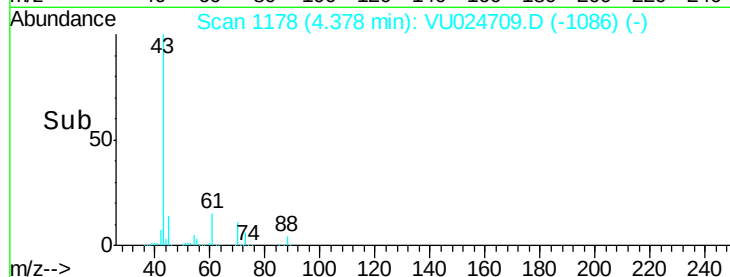
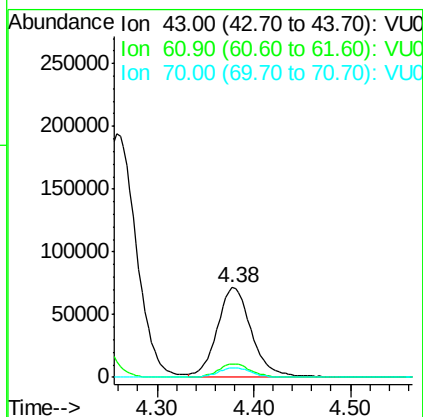
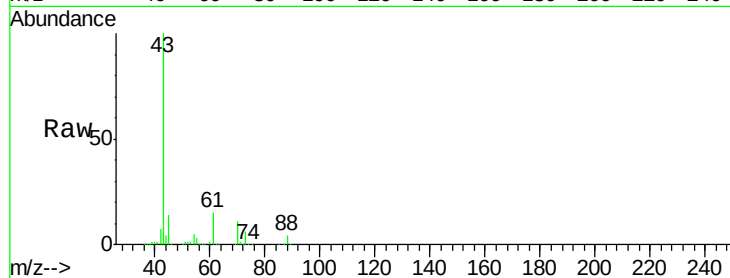
#37
Ethyl Acetate
Concen: 54.01 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.5	15.7
70	10.8	7.4	11.2

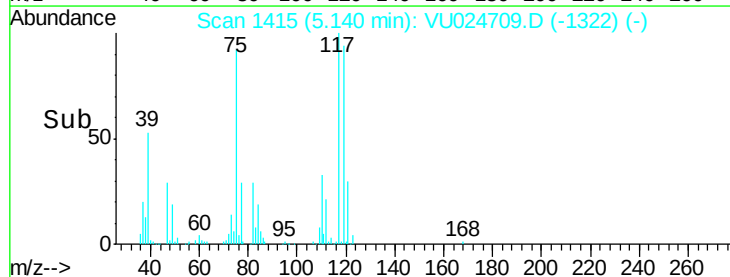
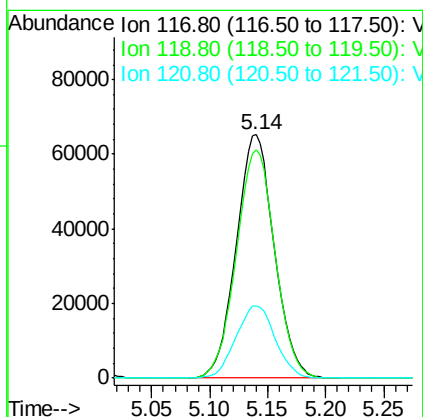
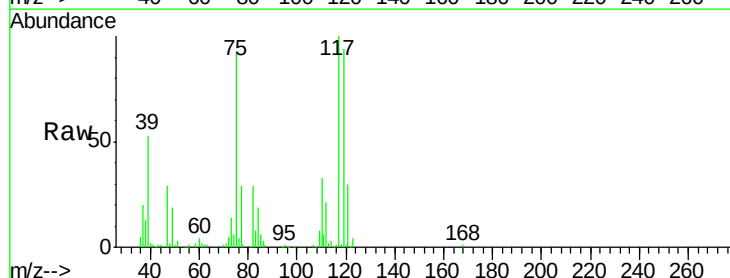
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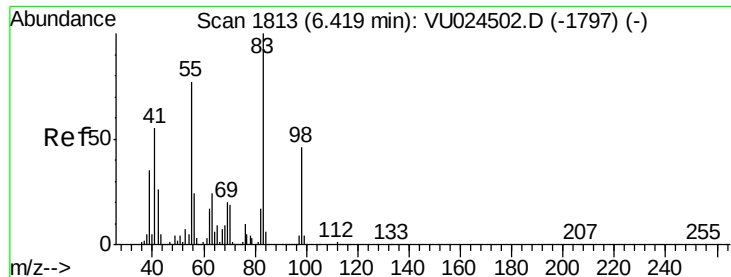
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#38
Carbon Tetrachloride
Concen: 45.95 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.1	114.1
121	29.8	23.7	35.5





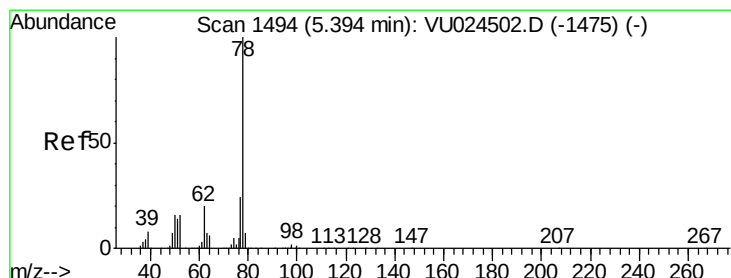
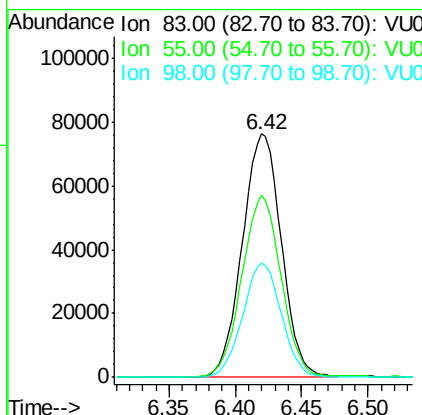
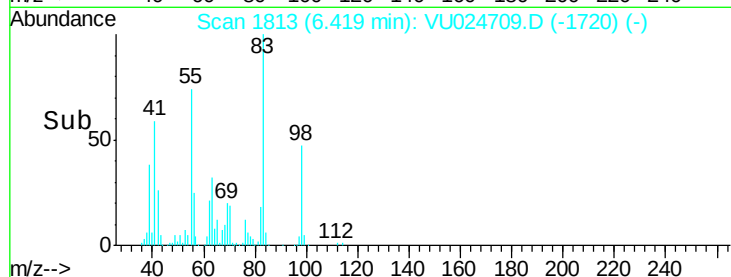
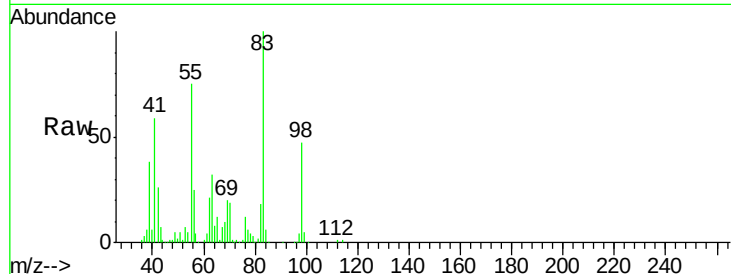
#39
Methvlcvclohexane
Concen: 42.67 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	65.8	98.6
98	47.0	36.7	55.1

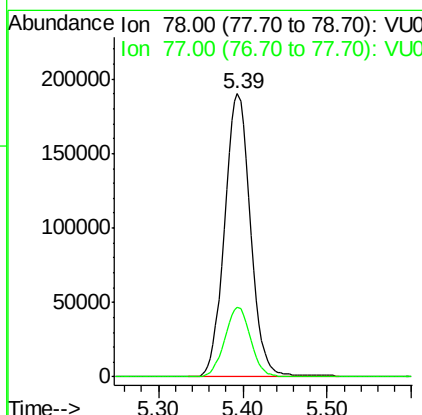
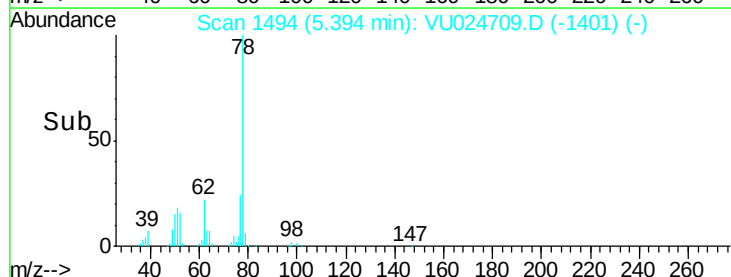
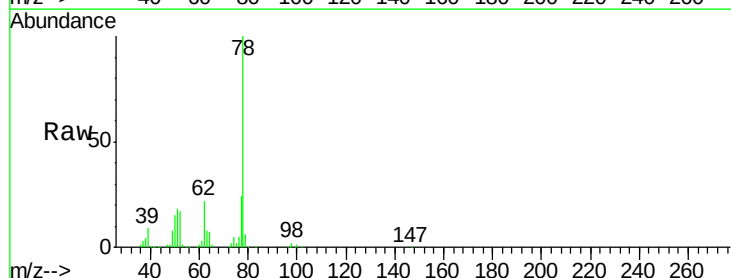
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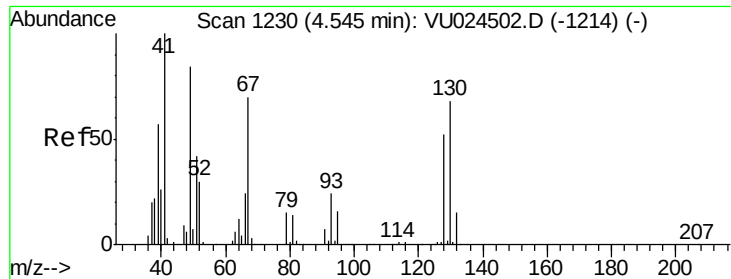
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#40
Benzene
Concen: 48.47 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.2	28.8





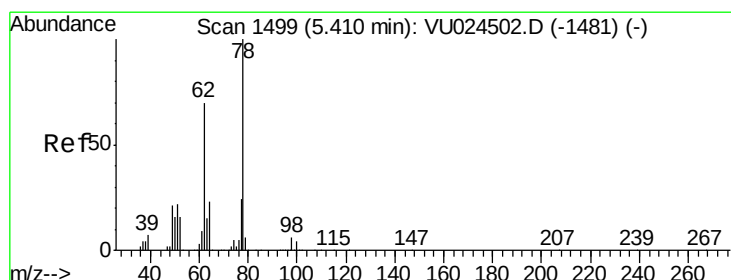
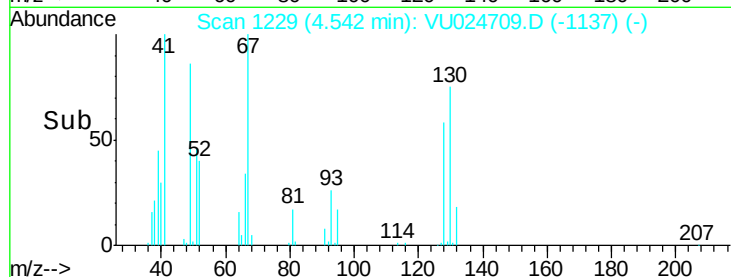
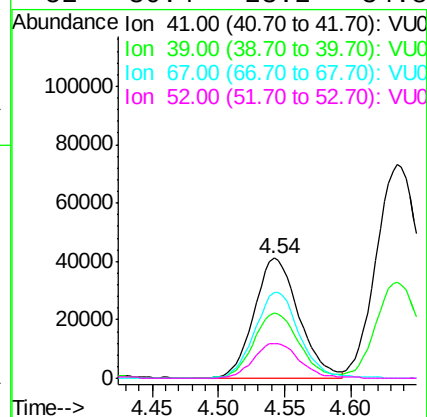
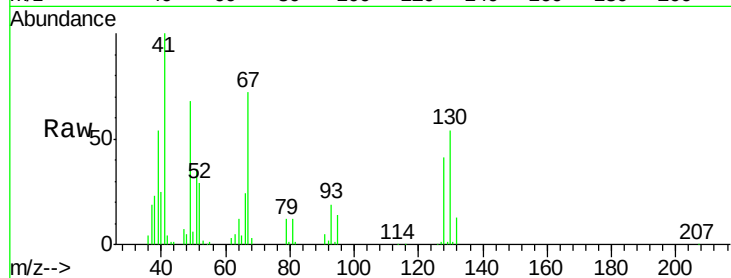
#41
Methacrylonitrile
Concen: 55.73 ug/l
RT: 4.54 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		96311		
39	54.6	43.8	65.6		
67	72.2	56.3	84.5		
52	30.4	23.2	34.8		

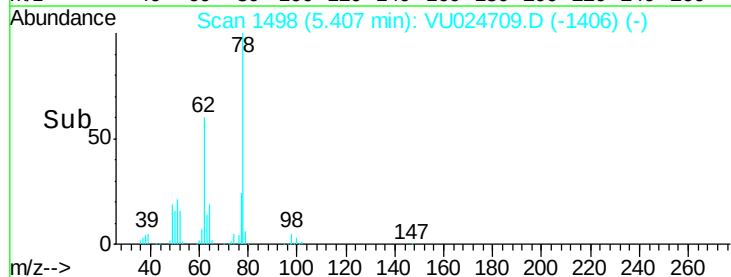
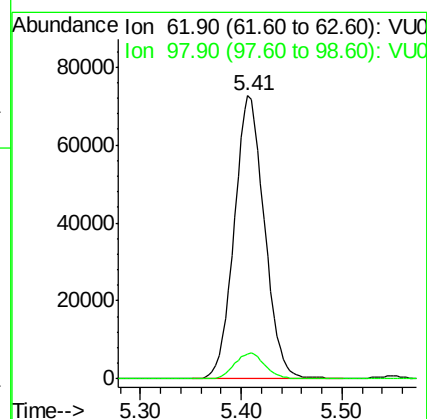
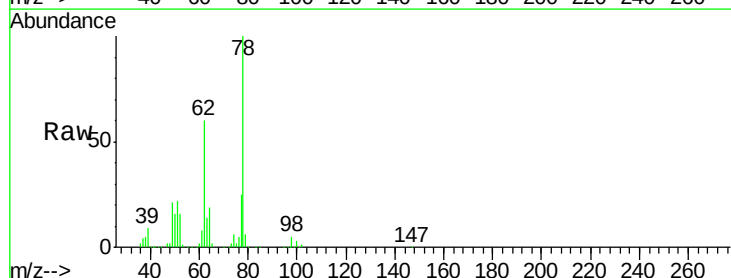
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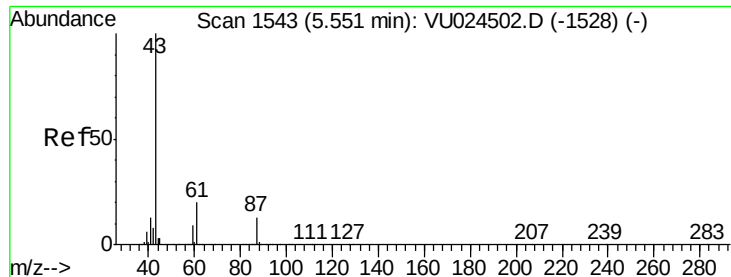
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.39 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		151237		
98	9.1	0.0	16.6		





#43

Isopropyl Acetate

Concen: 50.77 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

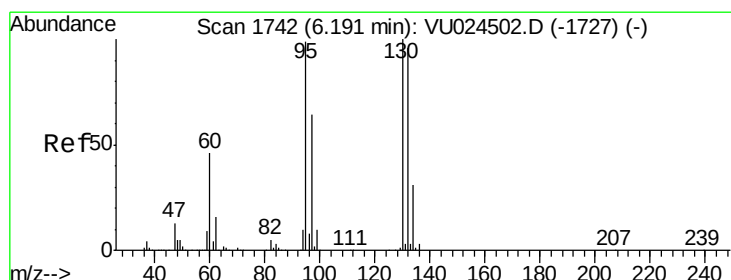
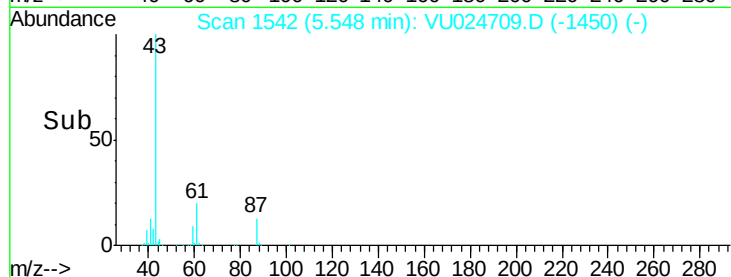
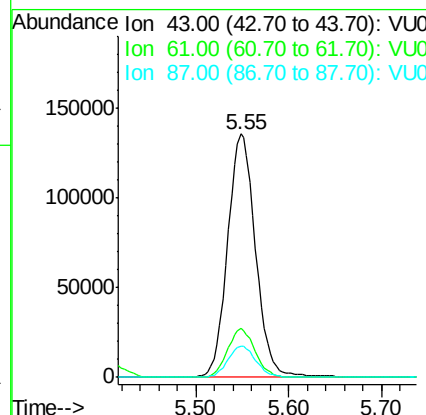
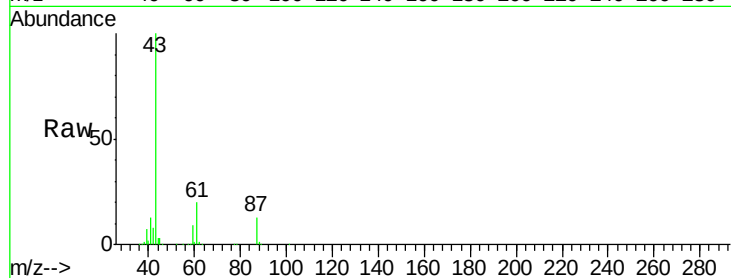
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	281265
Ion Ratio		Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.0	10.0	15.0

Manual Integrations
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6/19/2018 1:55:06 PM



#44

Trichloroethene

Concen: 46.72 ug/l

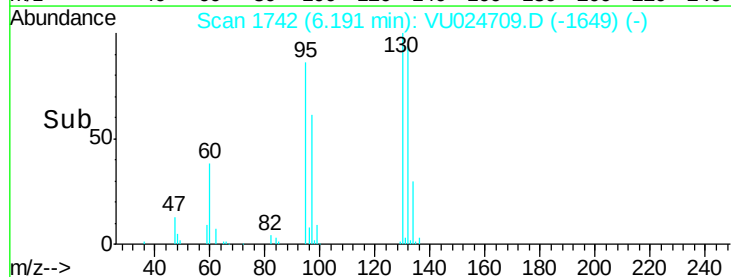
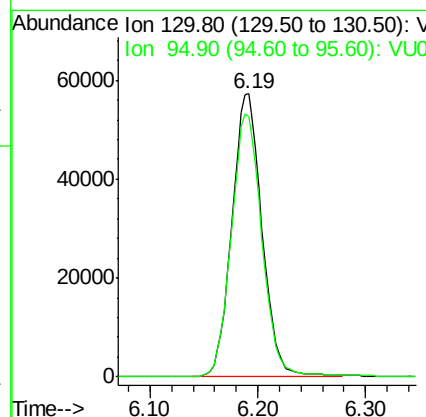
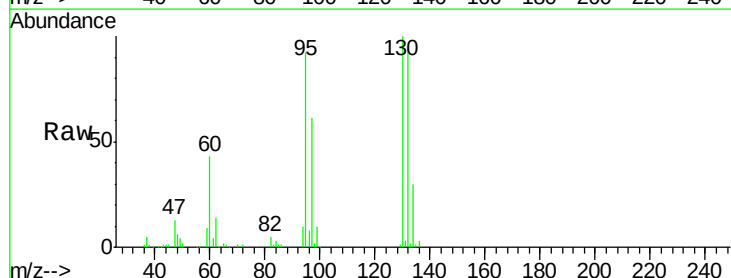
RT: 6.19 min Scan# 1742

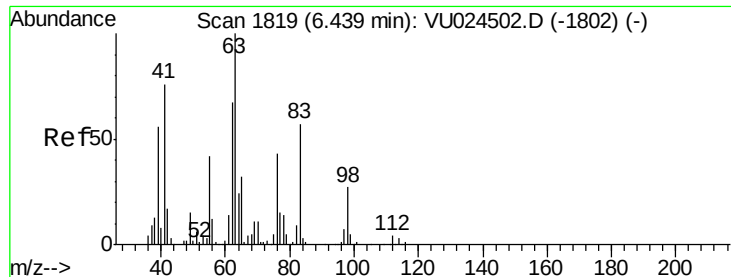
Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	130	Resp:	111412
Ion Ratio		Lower	Upper
130	100		
95	92.1	0.0	202.4





#45

1,2-Dichloropropane

Concen: 50.58 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 113093

Ion Ratio Lower Upper

63 100

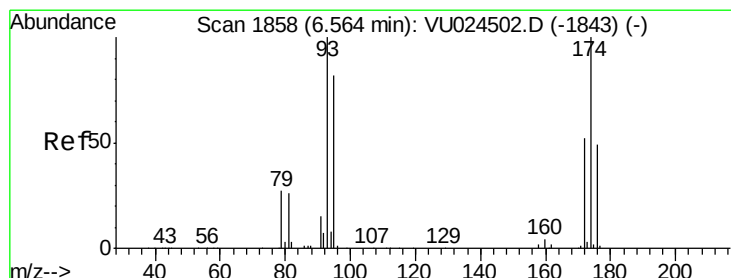
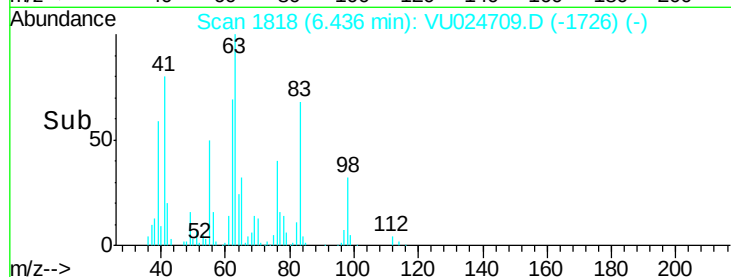
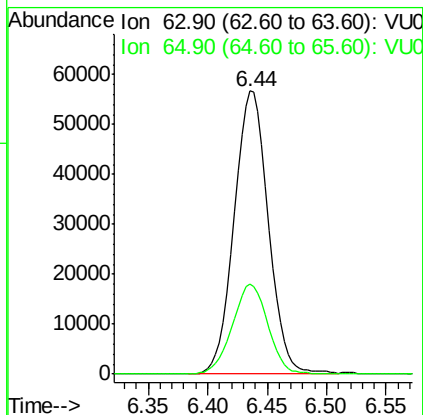
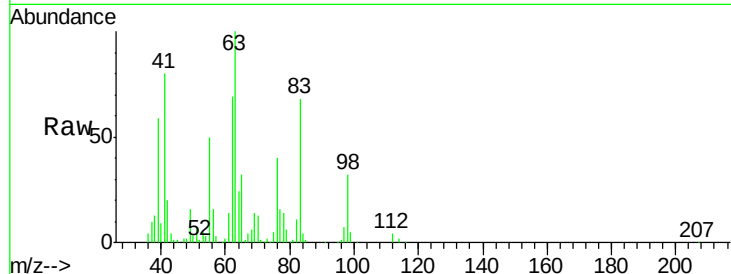
65 31.9 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 50.75 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

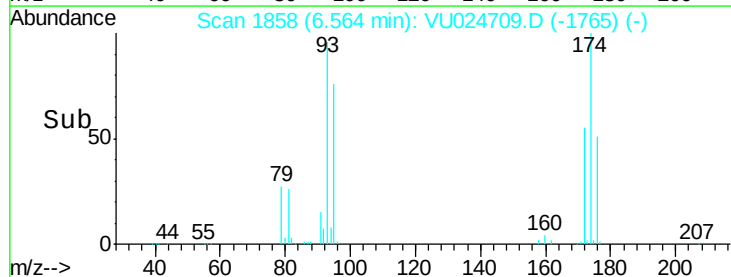
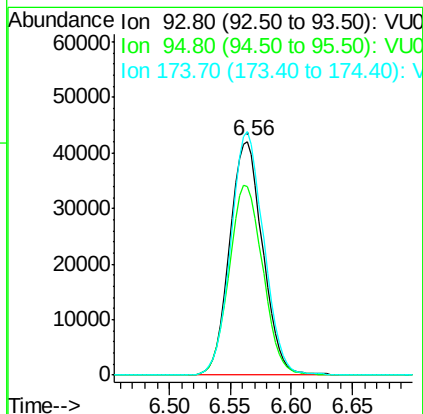
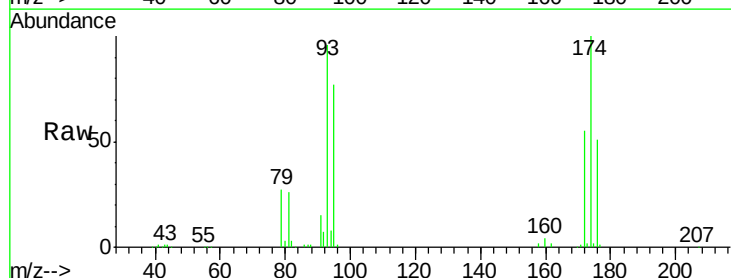
Tgt Ion: 93 Resp: 79703

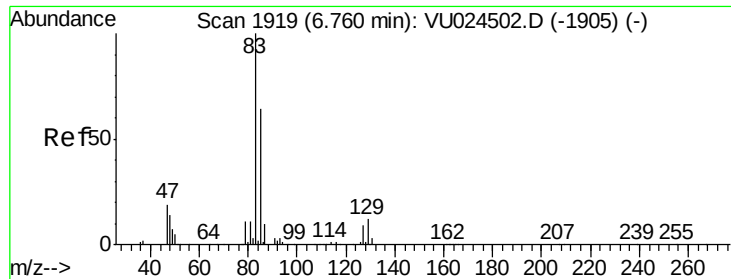
Ion Ratio Lower Upper

93 100

95 82.7 65.5 98.3

174 103.2 78.7 118.1





#47

Bromodichloromethane

Concen: 48.68 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

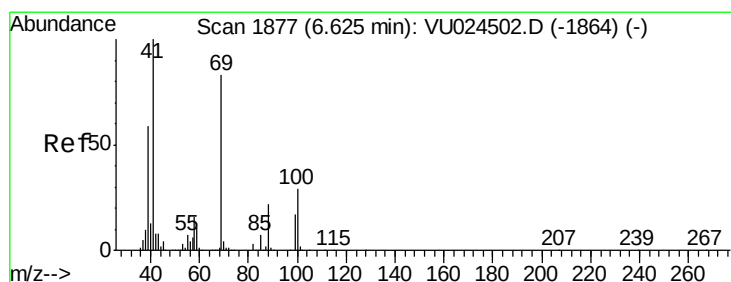
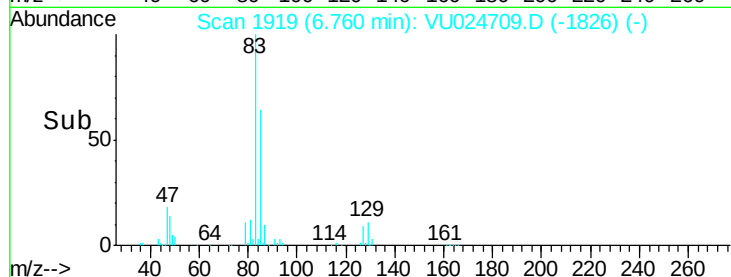
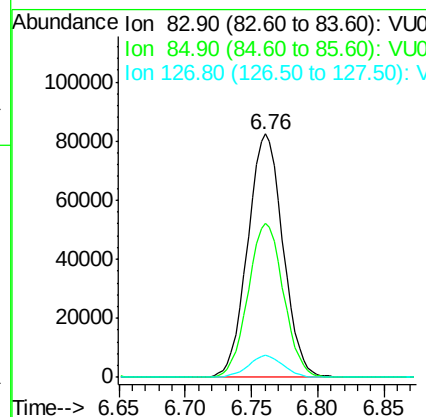
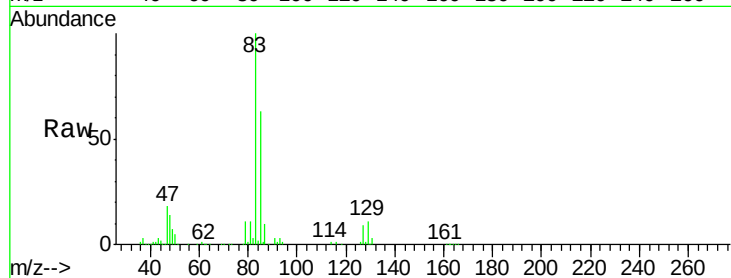
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152215
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.9	77.9
127	8.9	6.6	9.8

Manual Integrations
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6/19/2018 1:55:06 PM



#48

Methyl methacrylate

Concen: 51.82 ug/l

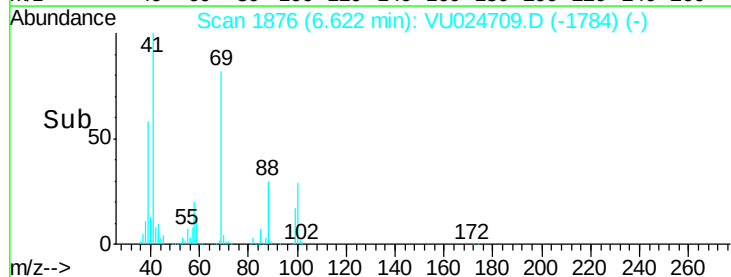
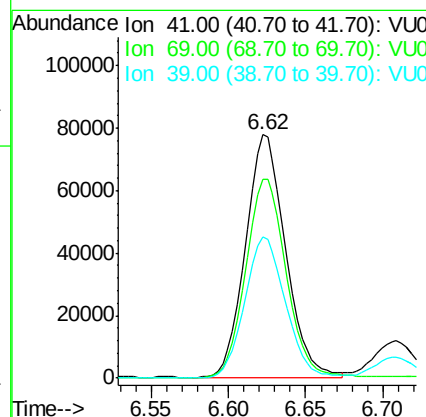
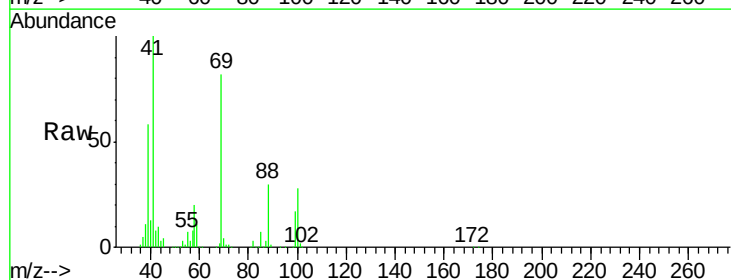
RT: 6.62 min Scan# 1876

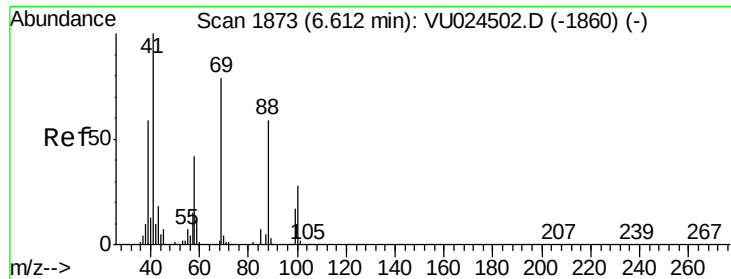
Delta R.T. -0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	41	Resp:	139791
Ion Ratio	Lower	Upper	
41	100		
69	83.6	67.3	100.9
39	58.8	46.5	69.7





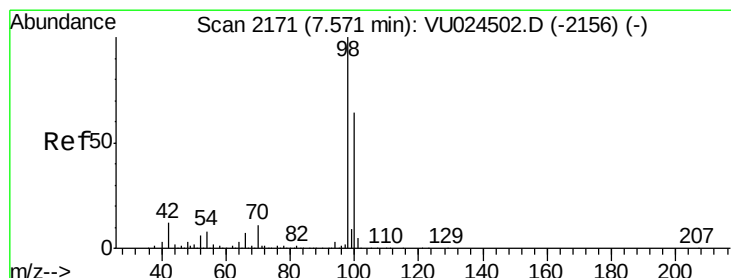
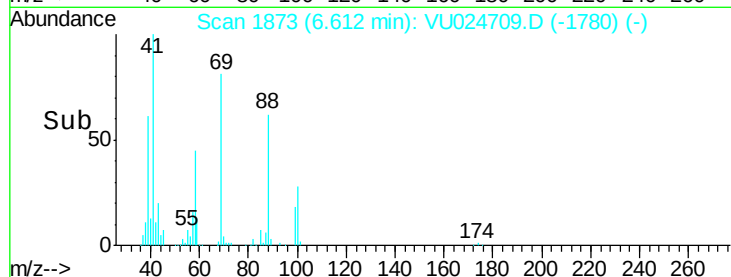
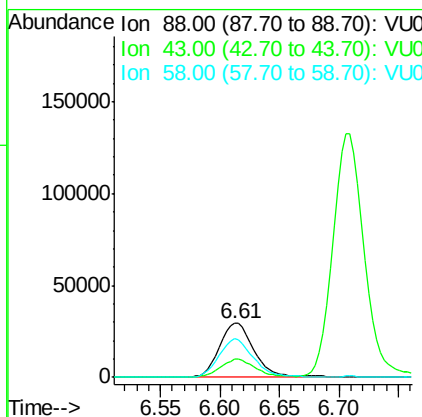
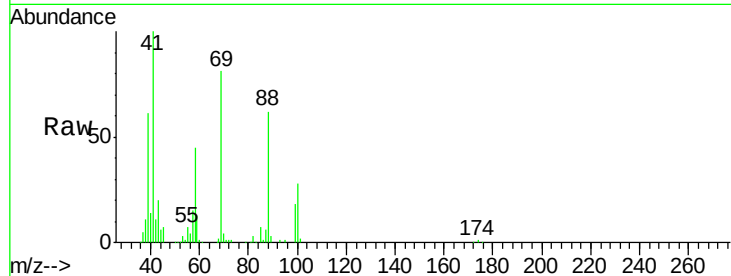
#49
1,4-Dioxane
Concen: 1105.97 ug/l
RT: 6.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	28.6	42.8
58	72.6	58.2	87.4

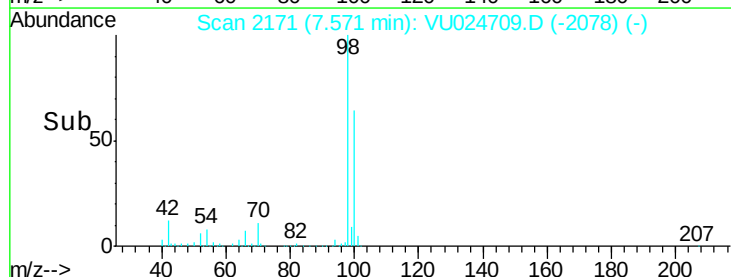
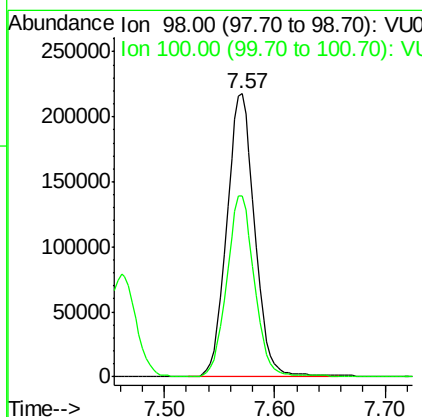
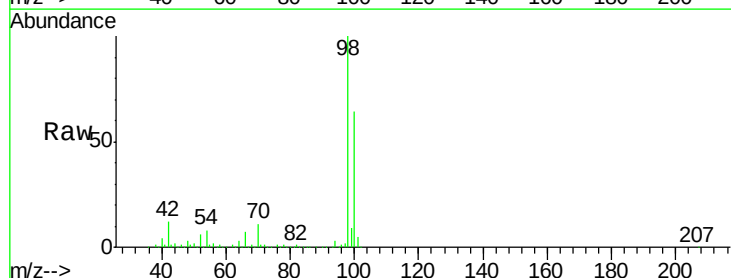
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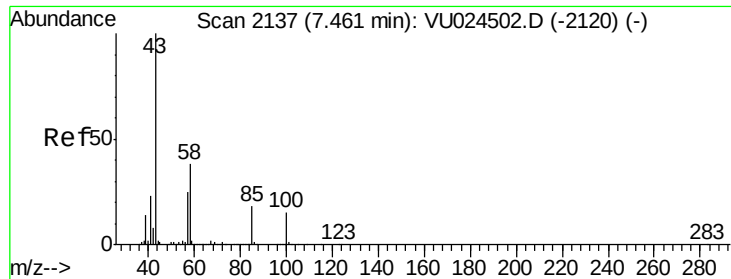
MMDadoda
6/19/2018 1:55:06 PM



#50
Toluene-d8
Concen: 50.46 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 268.21 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 933521

Ion Ratio Lower Upper

43 100

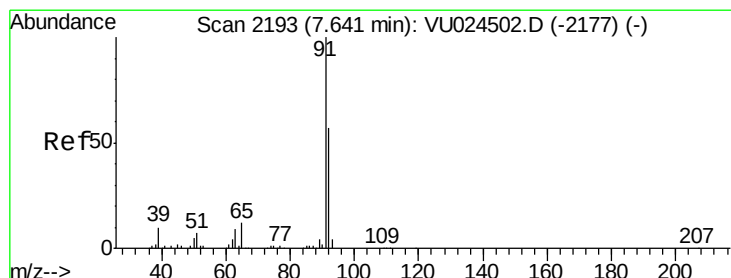
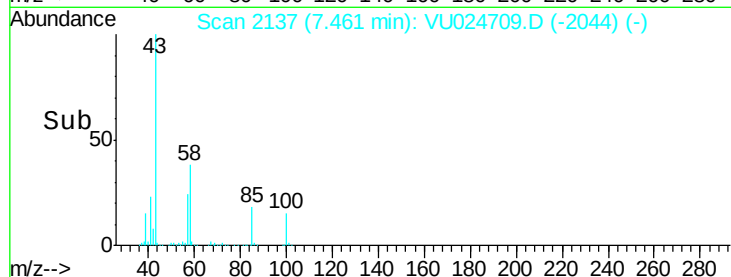
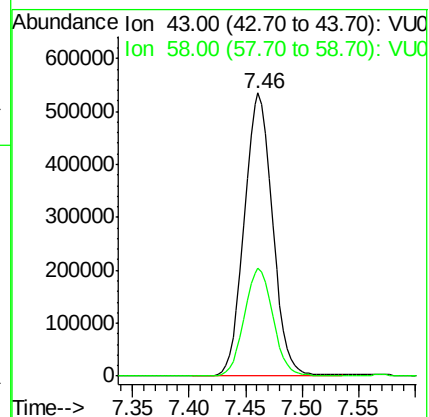
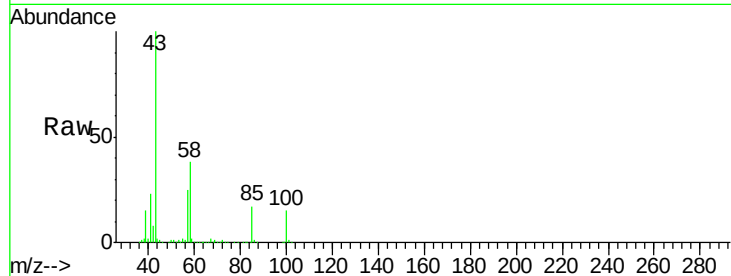
58 38.5 30.0 45.0

Manual Integrations

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#52

Toluene

Concen: 48.26 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU024709.D

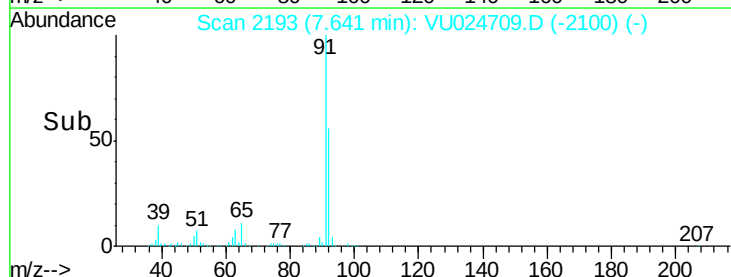
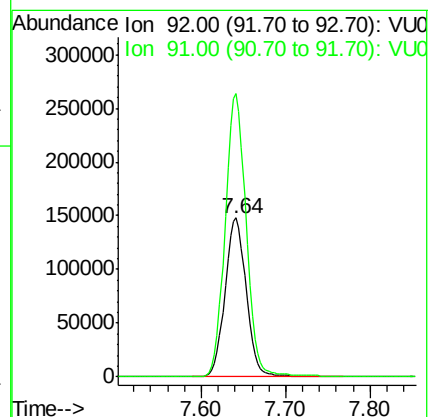
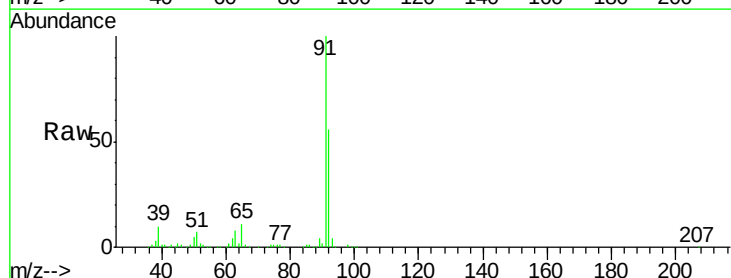
Acq: 18 Jun 2018 22:41

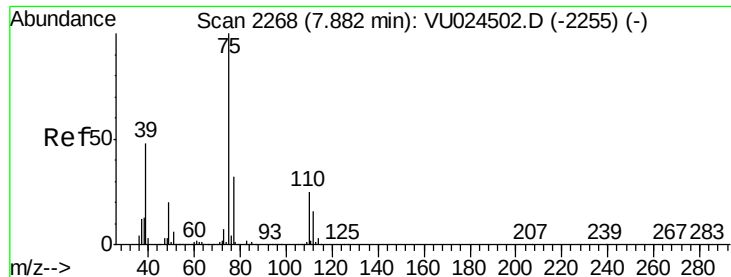
Tgt Ion: 92 Resp: 260165

Ion Ratio Lower Upper

92 100

91 176.5 140.5 210.7





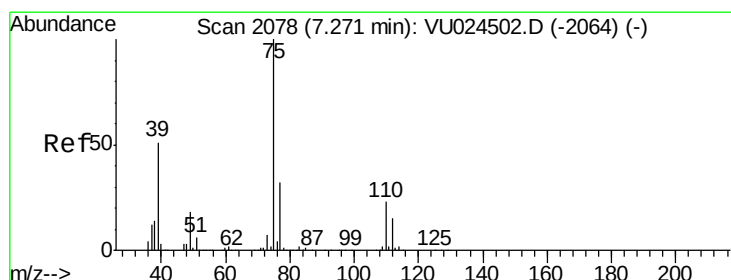
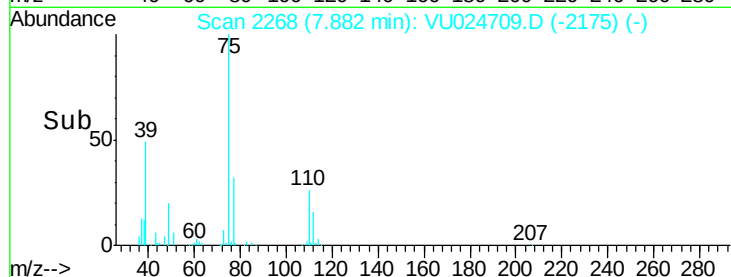
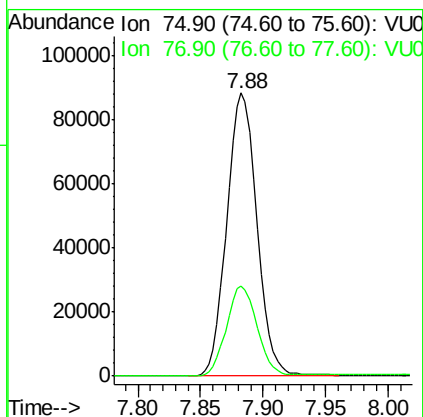
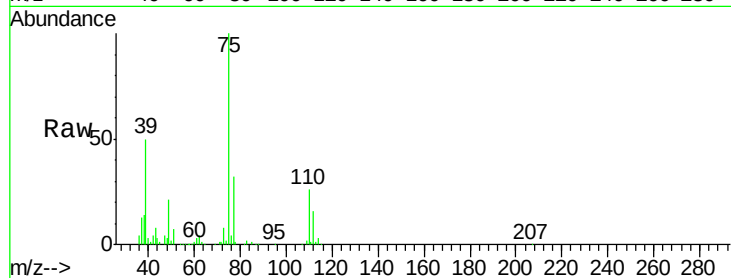
#53
t-1,3-Dichloropropene
Concen: 42.11 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2

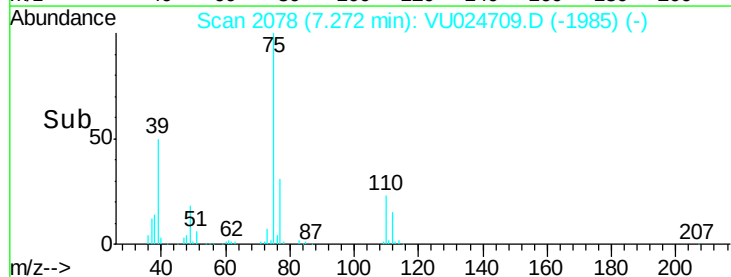
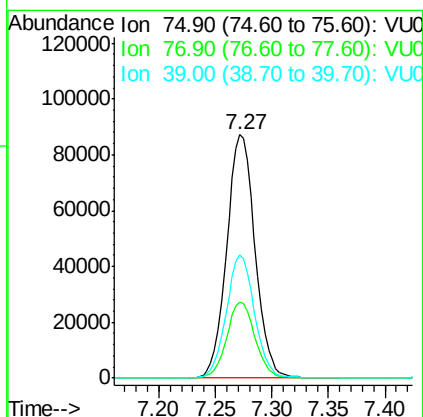
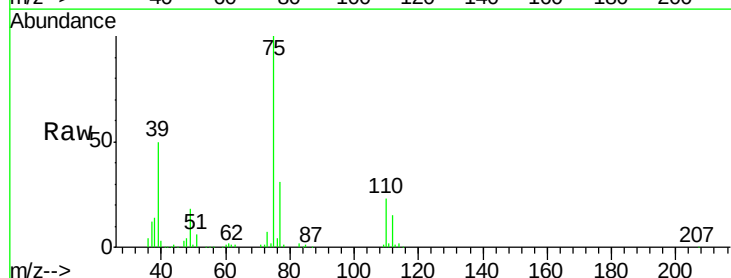
Manual Integrations
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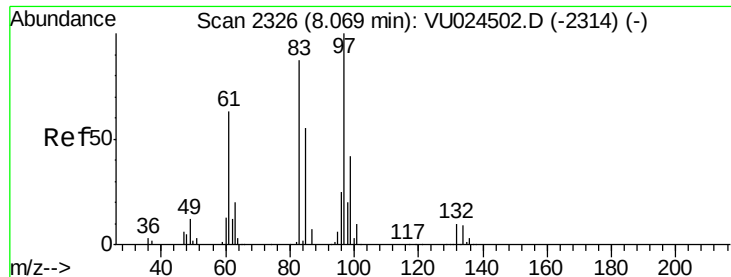
MMDadoda
6/19/2018 1:55:06 PM



#54
cis-1,3-Dichloropropene
Concen: 40.63 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	50.5	39.8	59.6





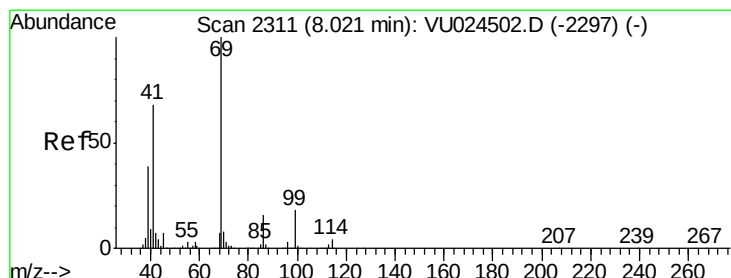
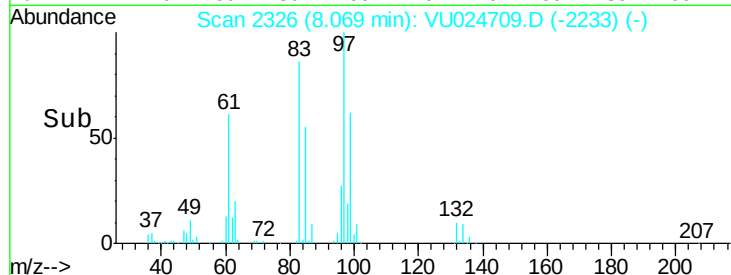
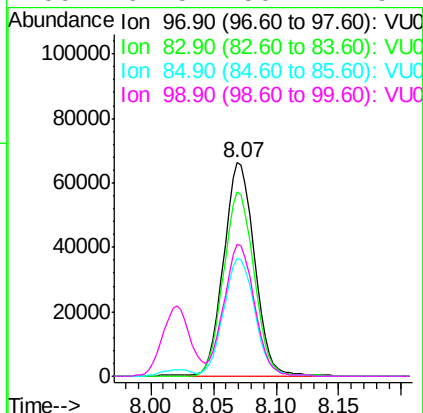
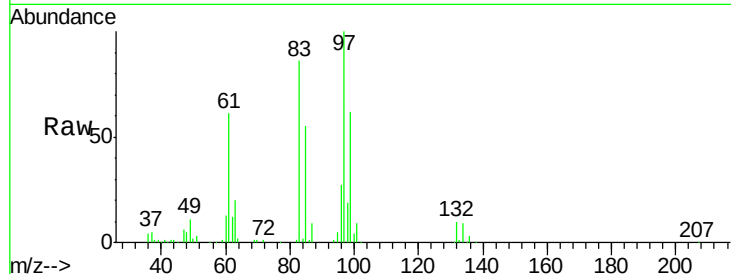
#55
 1,1,2-Trichloroethane
 Concen: 51.41 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	112645
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.5	105.7
85	55.3	46.4	69.6
99	61.5	50.2	75.2

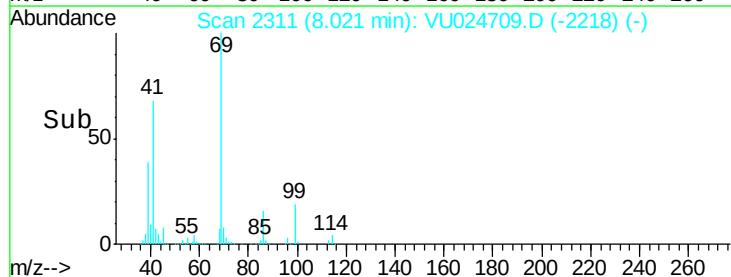
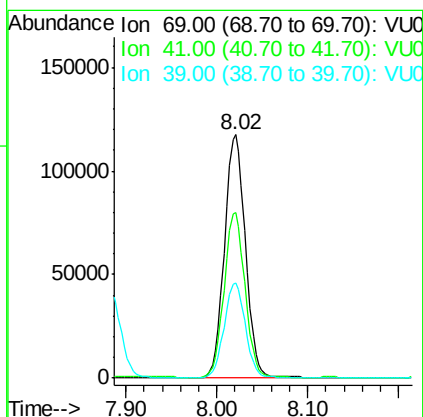
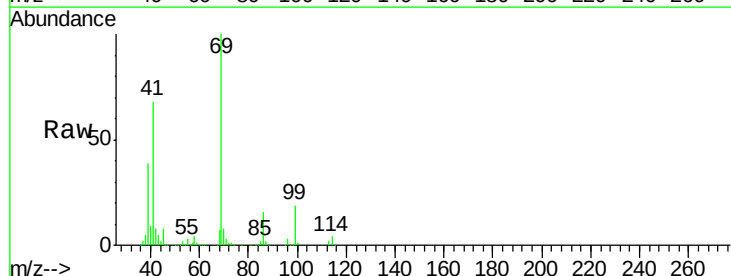
Manual Integrations
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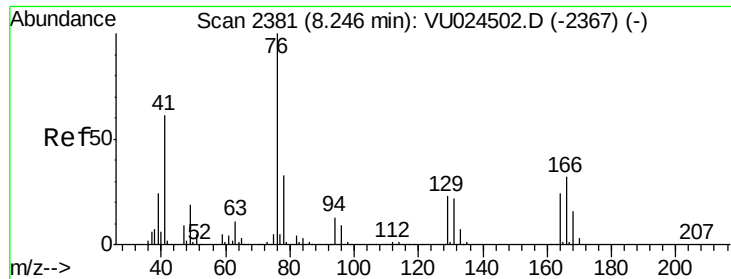
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 6/19/2018 1:55:06 PM



#56
 Ethyl methacrylate
 Concen: 51.64 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion:	69	Resp:	189413
Ion	Ratio	Lower	Upper
69	100		
41	67.2	54.1	81.1
39	39.1	30.3	45.5





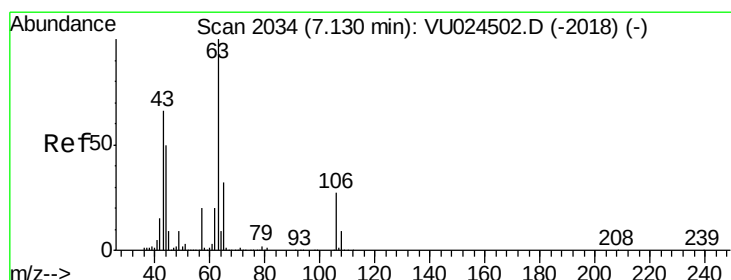
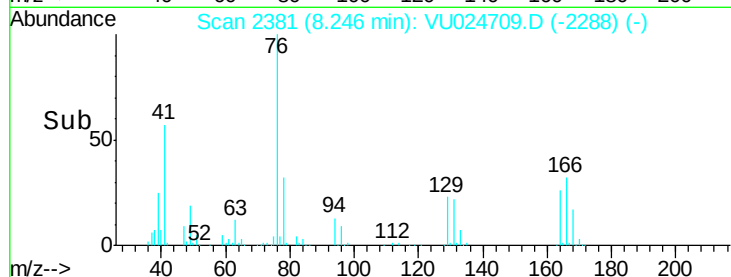
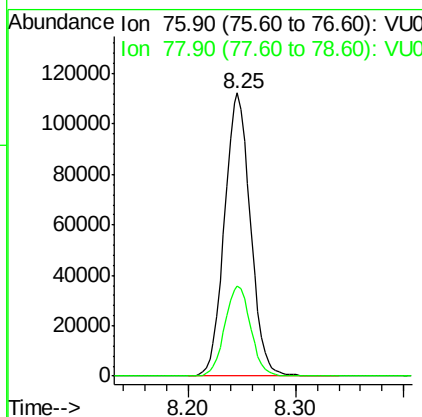
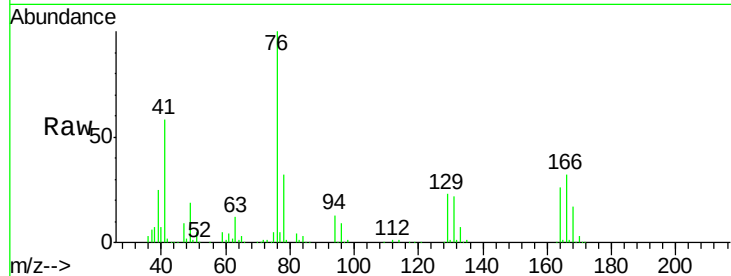
#57
 1,3-Dichloropropane
 Concen: 50.93 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 188272
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8

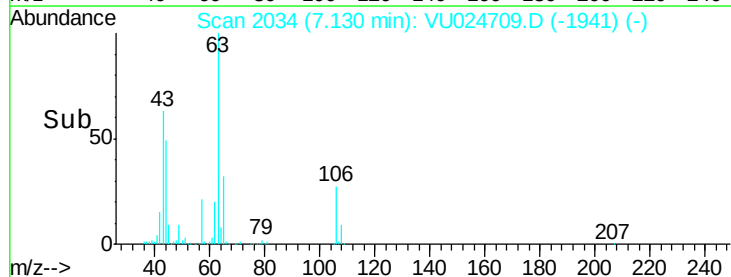
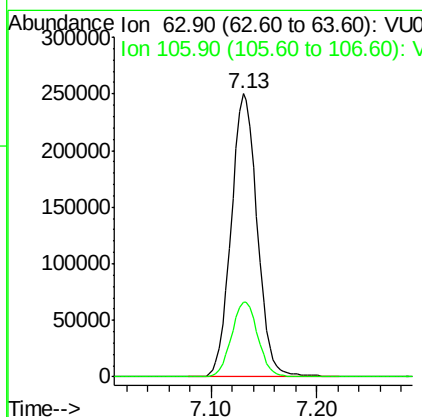
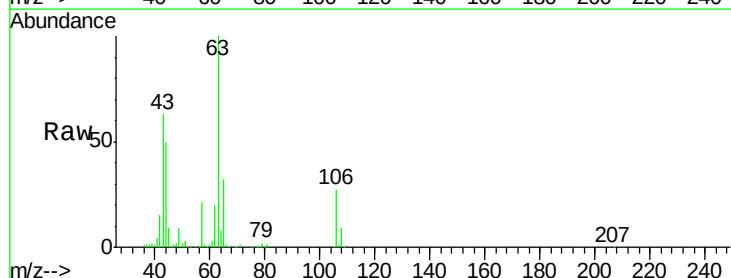
Manual Integrations
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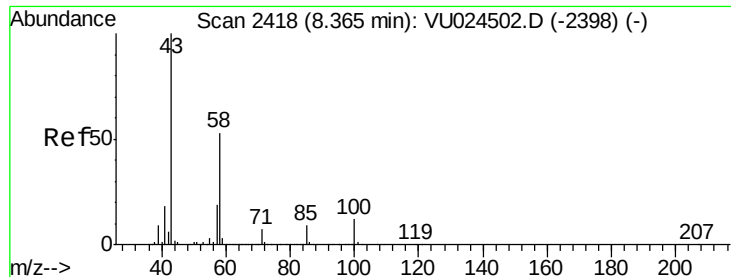
MMDadoda
 6/19/2018 1:55:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 304.29 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion: 63 Resp: 427568
 Ion Ratio Lower Upper
 63 100
 106 26.8 20.2 30.2





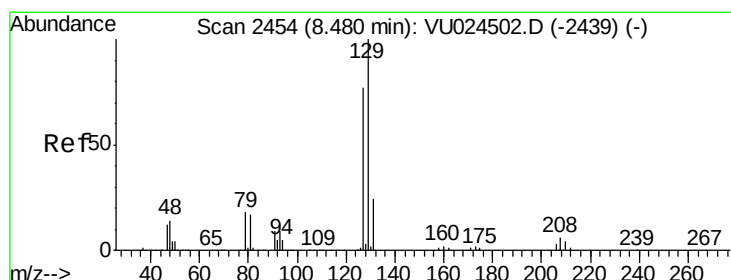
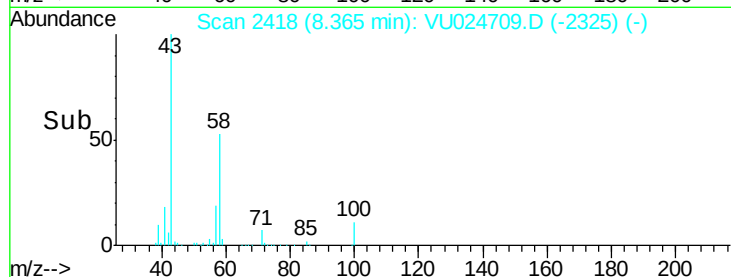
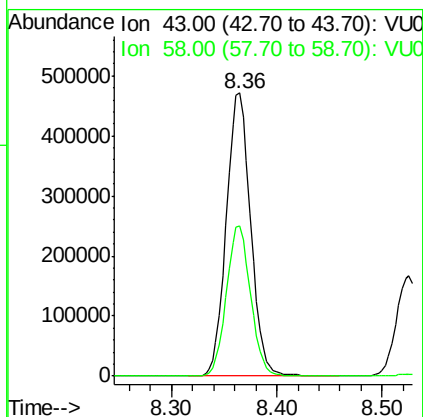
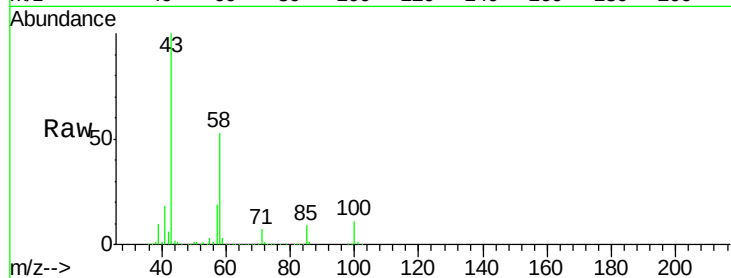
#59
2-Hexanone
Concen: 264.20 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.9	26.4	79.0

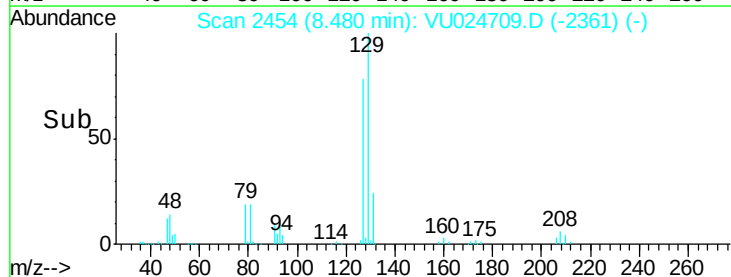
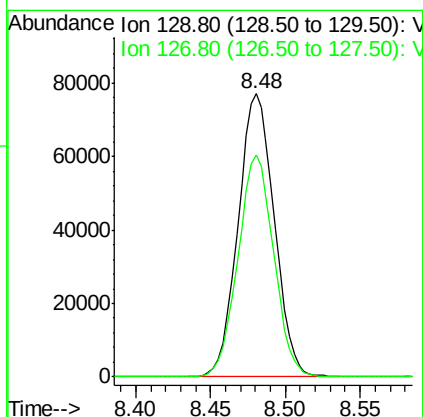
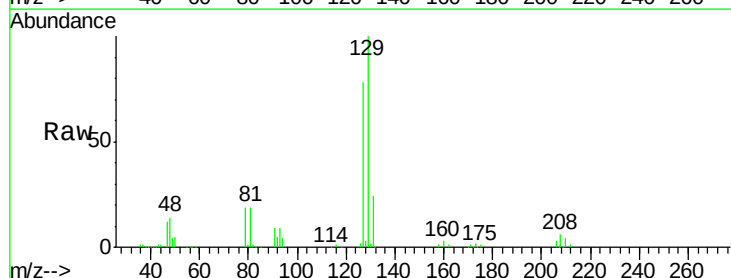
Manual Integrations
APPROVED

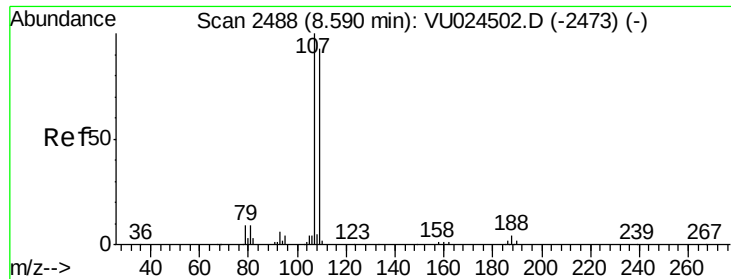
MMDadoda
6/19/2018 1:55:06 PM



#60
Dibromochloromethane
Concen: 47.41 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	116.0





#61

1,2-Dibromoethane

Concen: 51.16 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 124774

Ion Ratio Lower Upper

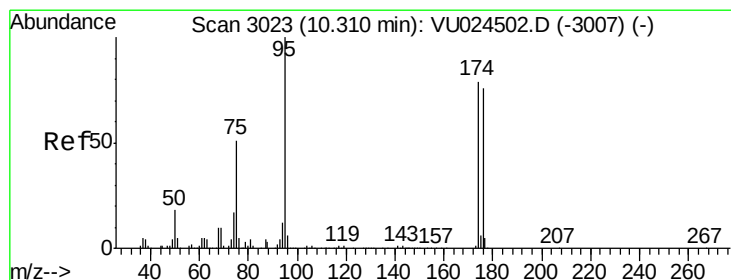
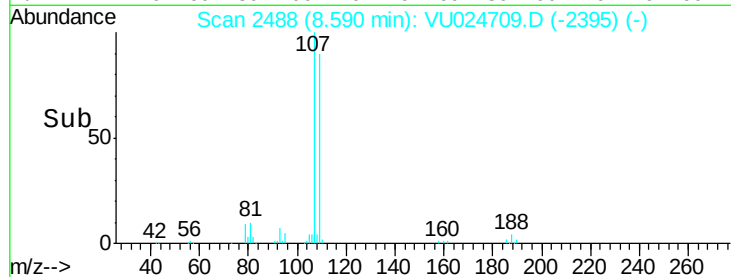
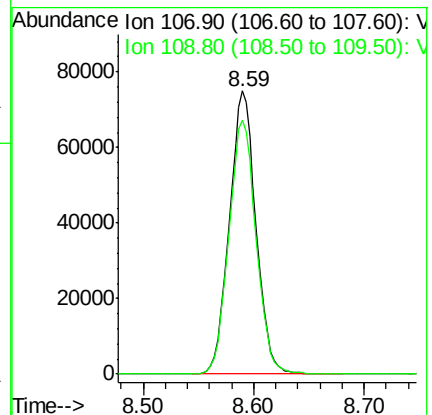
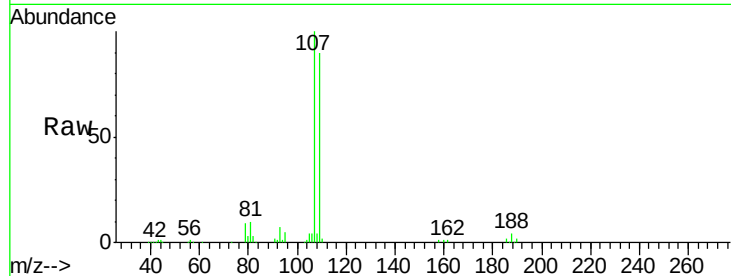
107 100

109 92.3 74.5 111.7

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#62

4-Bromofluorobenzene

Concen: 48.96 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

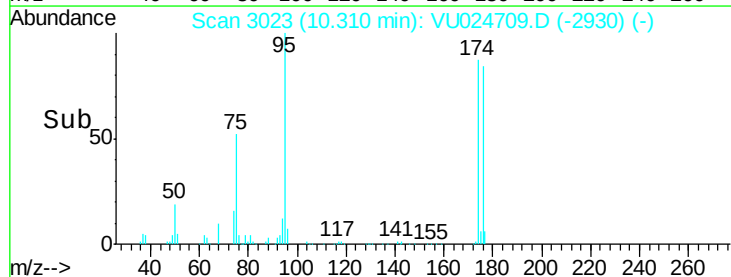
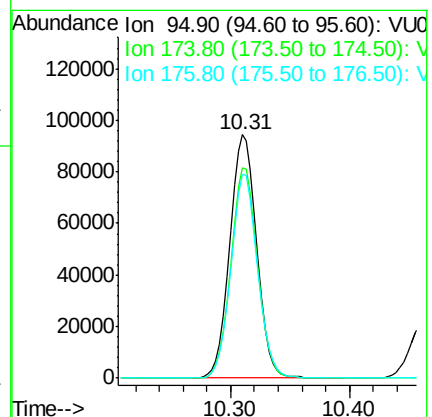
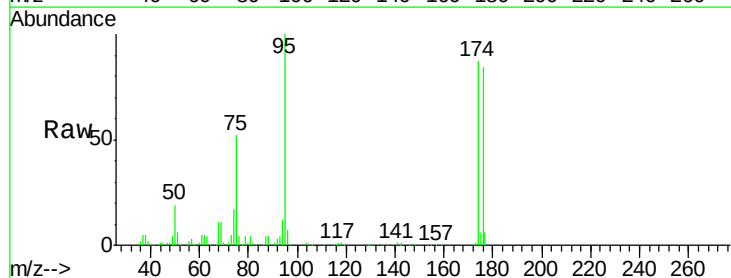
Tgt Ion: 95 Resp: 147251

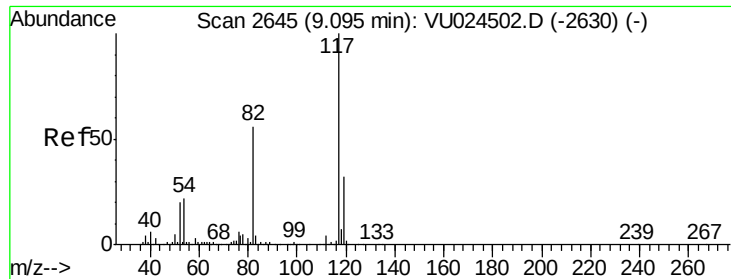
Ion Ratio Lower Upper

95 100

174 85.9 0.0 165.8

176 83.3 0.0 159.4





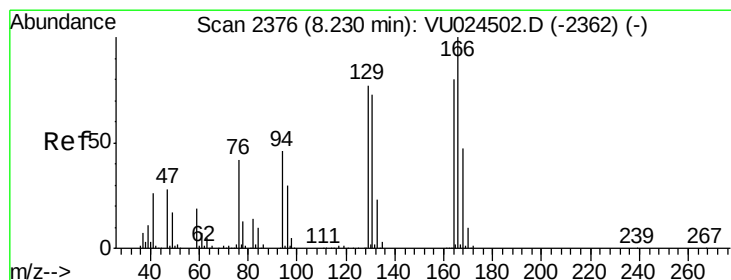
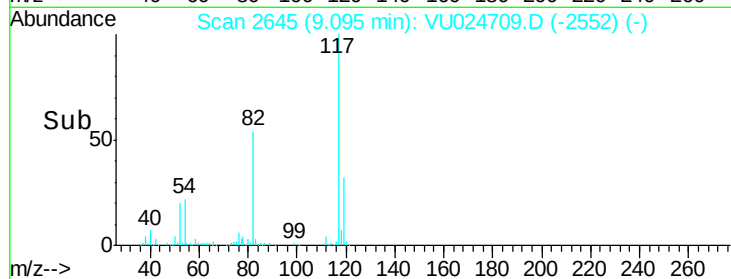
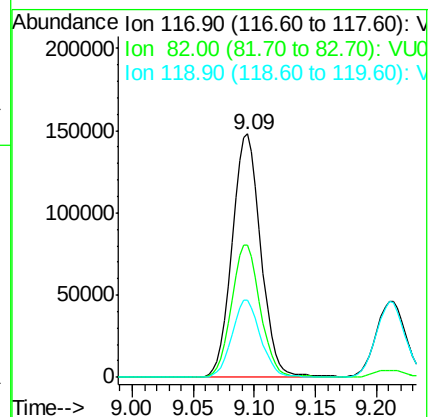
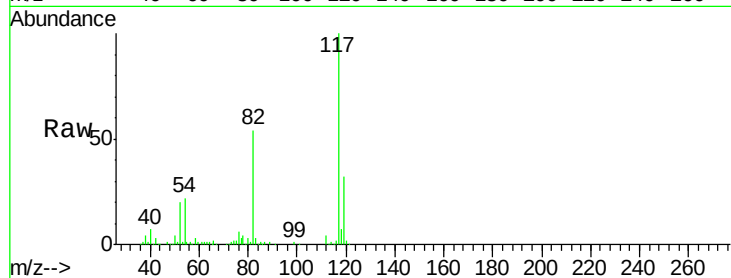
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	243992		
82	54.3		44.3	66.5
119	31.6		25.4	38.2

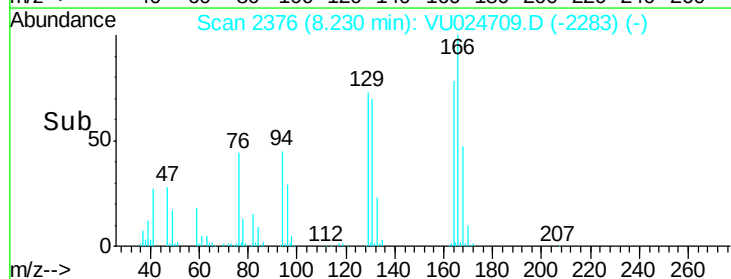
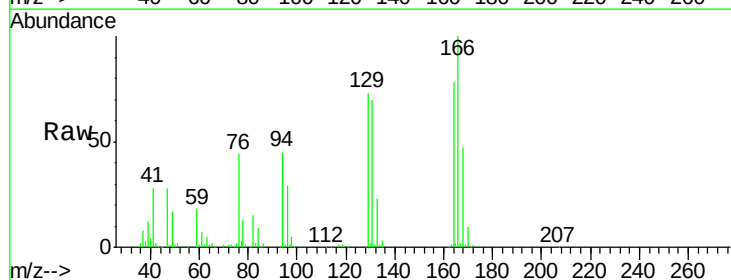
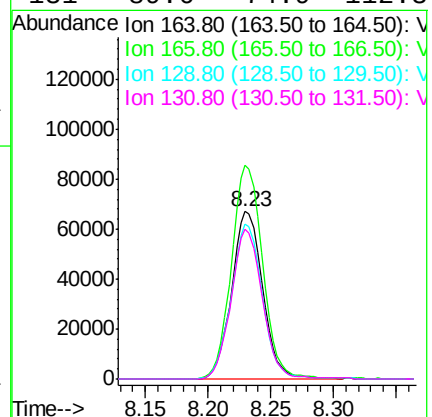
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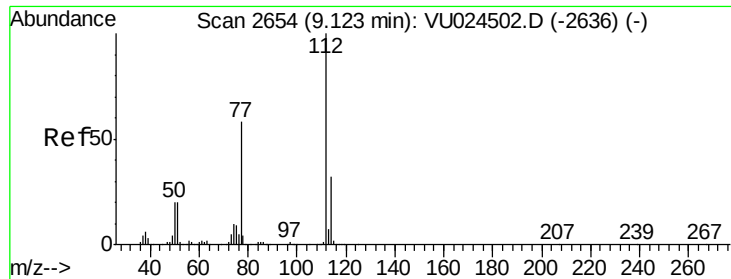
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#64
Tetrachloroethene
Concen: 49.78 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	115459		
166	127.4		101.7	152.5
129	92.6		76.9	115.3
131	89.6		74.9	112.3





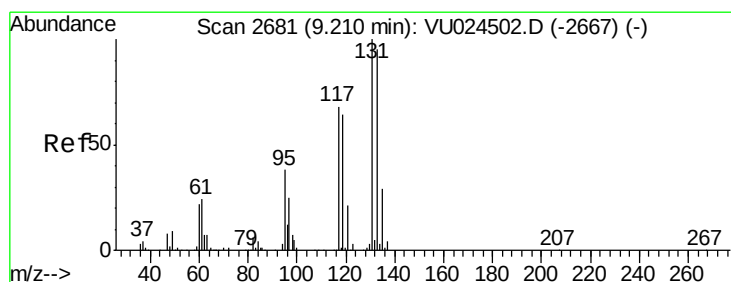
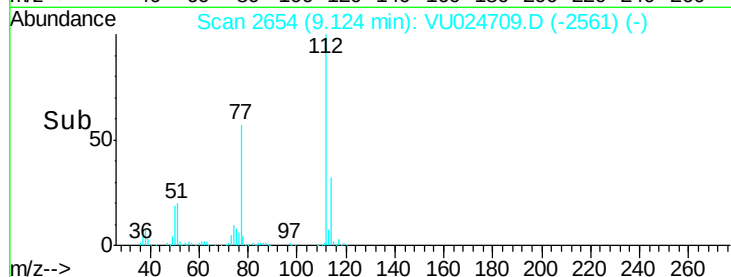
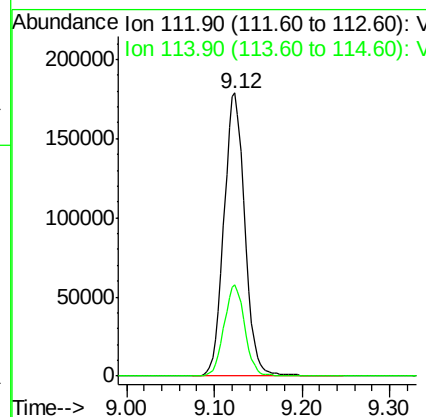
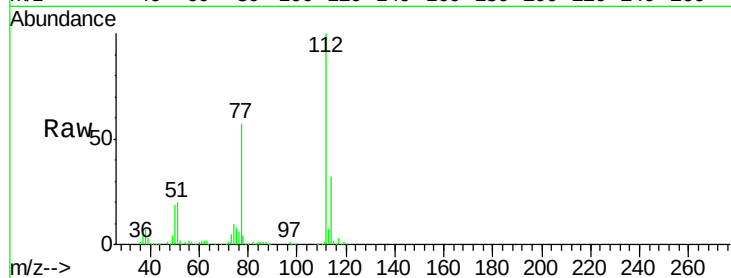
#65
Chlorobenzene
Concen: 47.61 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4

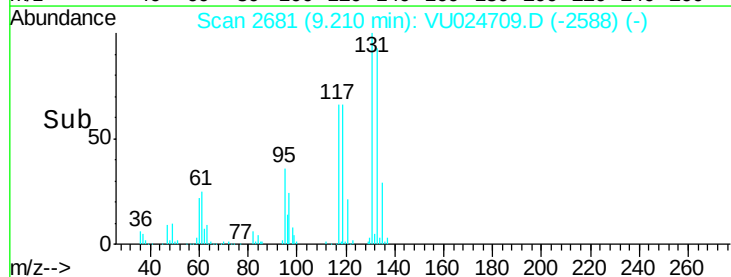
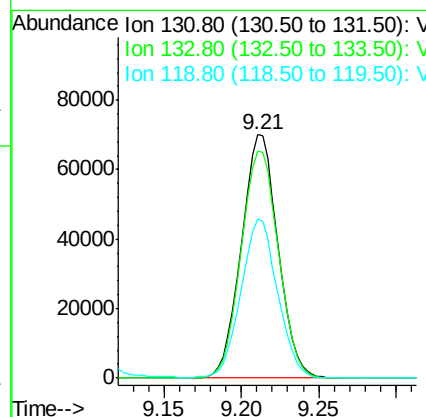
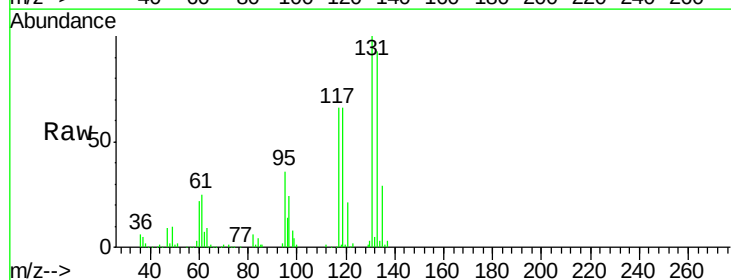
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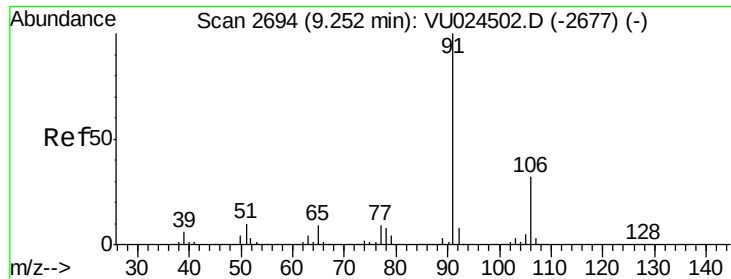
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.58 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	46.9	140.8
119	65.3	33.5	100.4





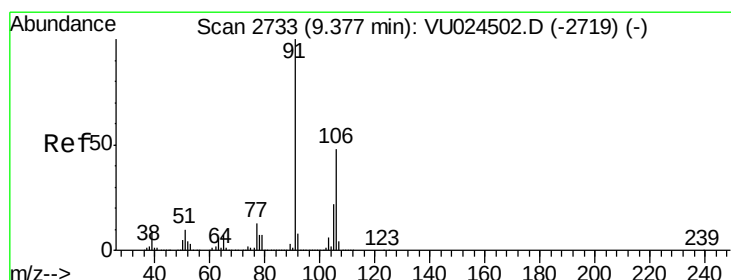
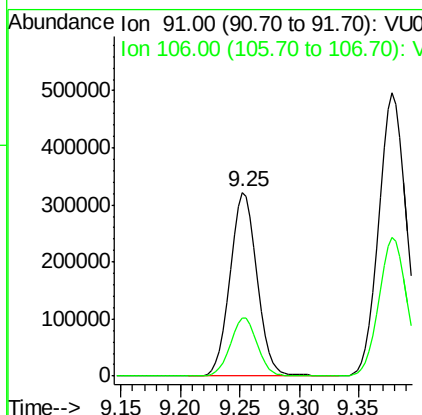
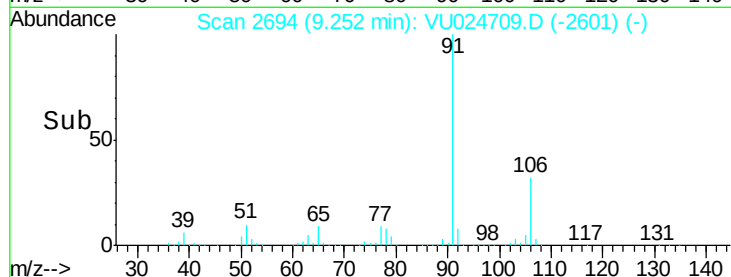
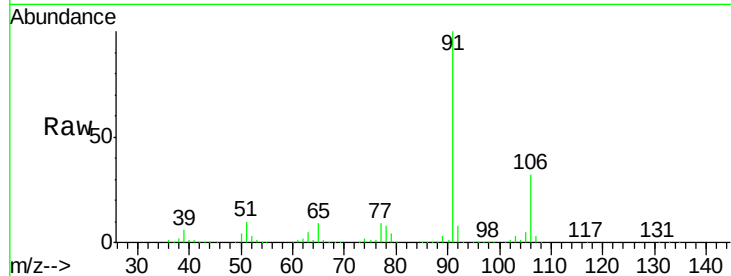
#67
Ethyl Benzene
Concen: 46.48 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 507924
Ion Ratio Lower Upper
91 100
106 31.8 24.2 36.4

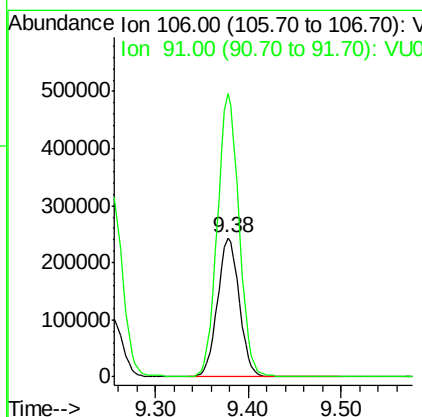
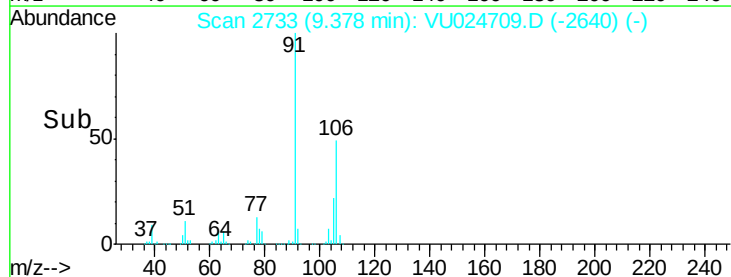
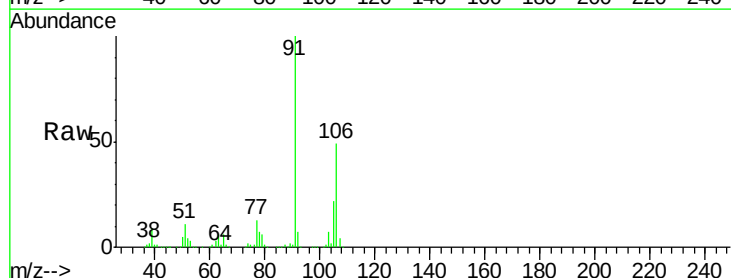
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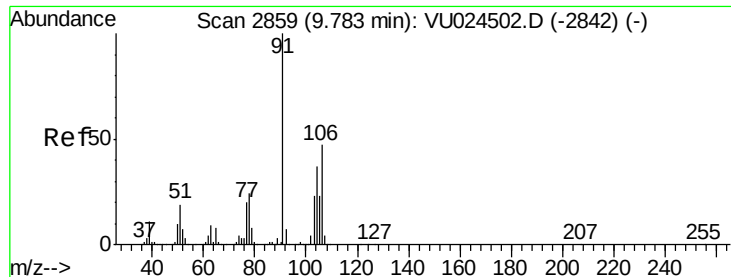
MMDadoda
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#68
m/p-Xylenes
Concen: 94.59 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion: 106 Resp: 396888
Ion Ratio Lower Upper
106 100
91 200.8 166.5 249.7





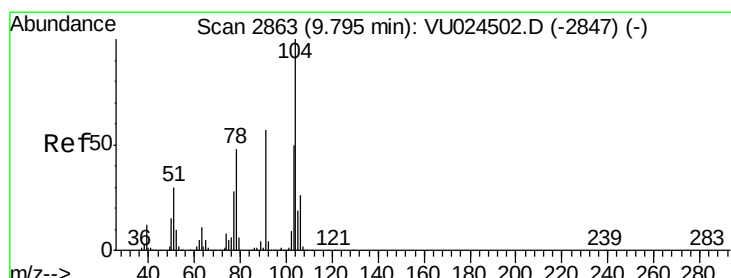
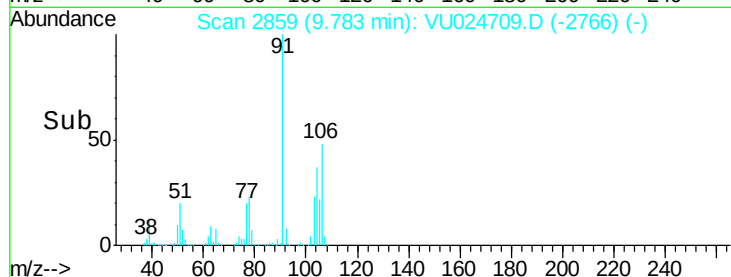
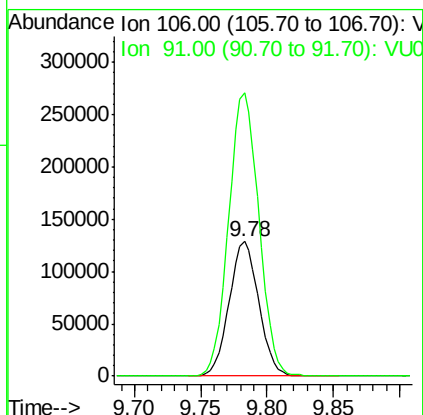
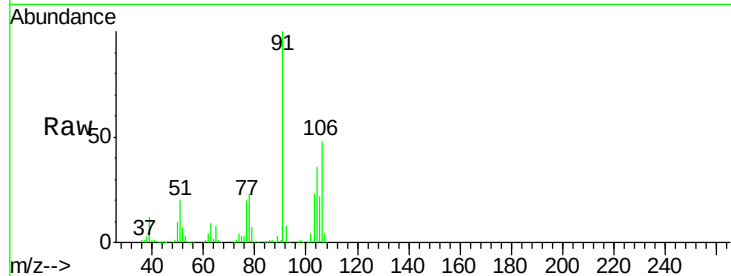
#69
o-Xylene
Concen: 48.15 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	110.7	331.9

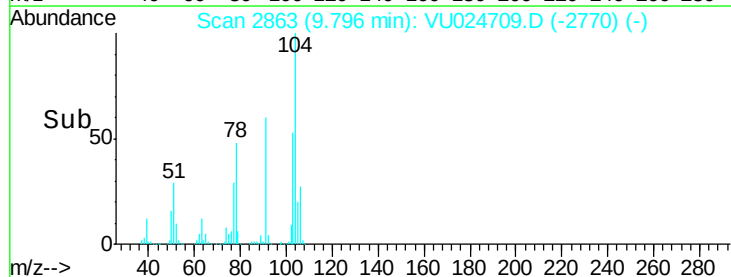
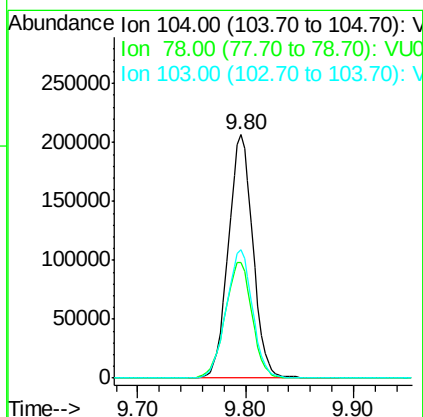
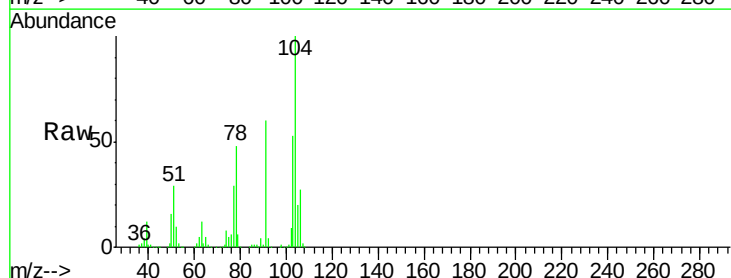
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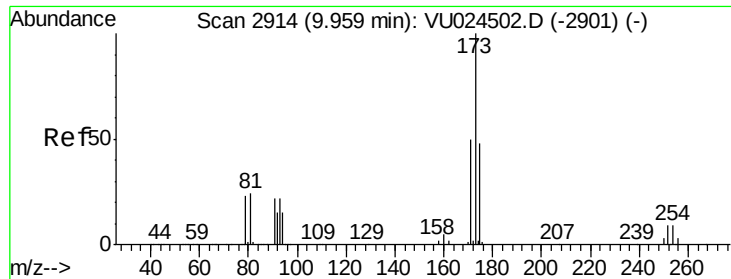
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#70
Styrene
Concen: 48.09 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.3	40.6	60.8
103	56.1	44.7	67.1





#71

Bromoform

Concen: 47.50 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

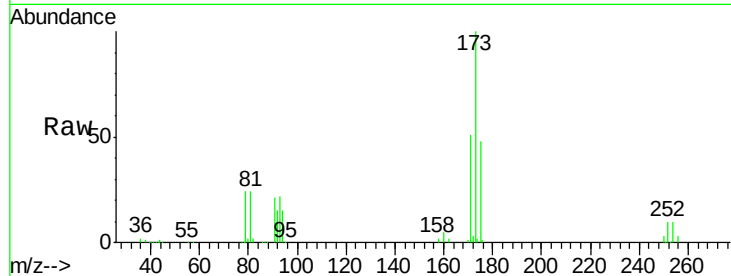
ClientSampleId :

VSTDCCC050

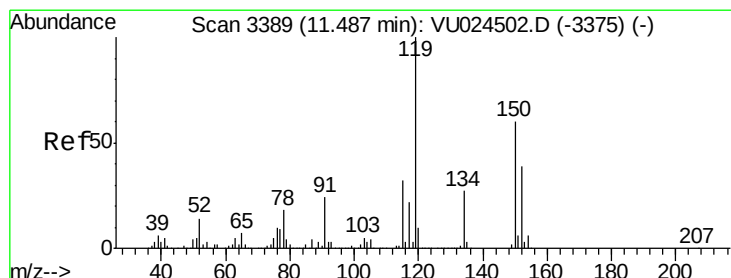
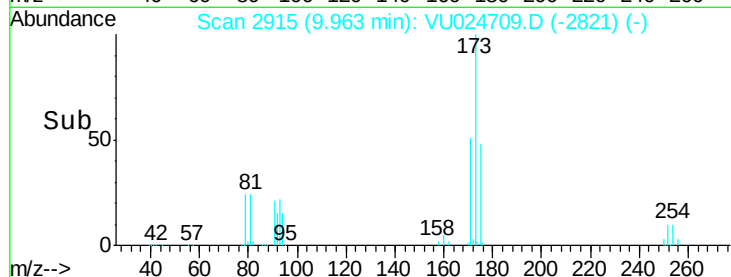
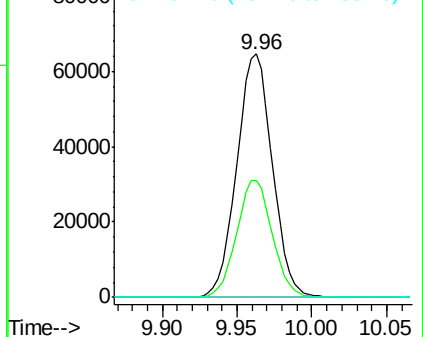
Tot Ion:	173	Resp:	106910
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.6	74.0
254	0.0	0.0	0.0#

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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

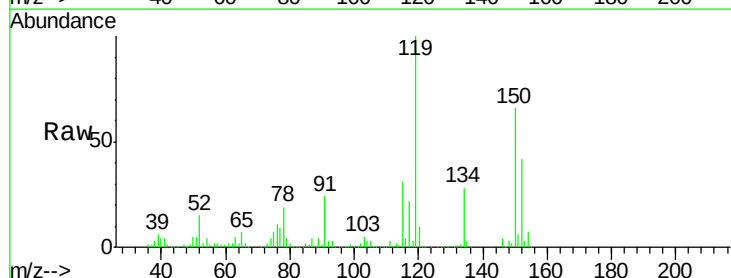
RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

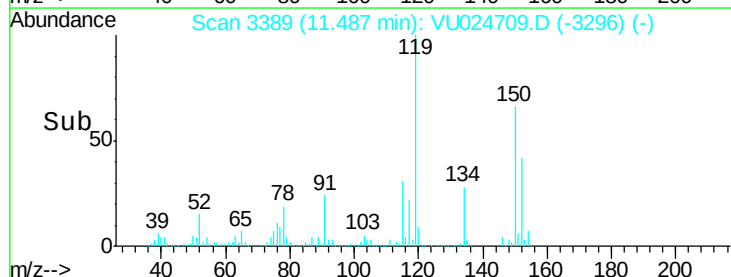
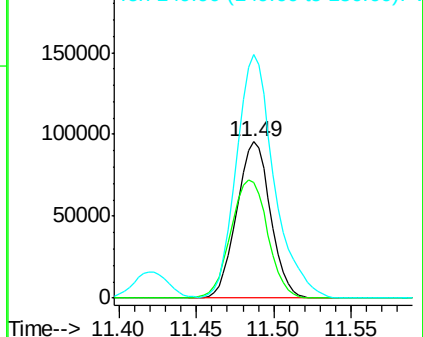
Lab File: VU024709.D

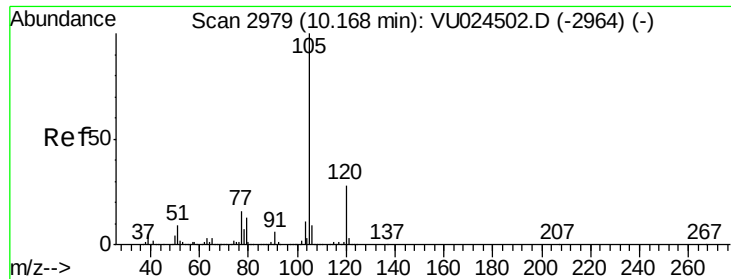
Acq: 18 Jun 2018 22:41

Tgt Ion:	152	Resp:	144782
Ion Ratio	Lower	Upper	
152	100		
115	82.3	43.0	129.0
150	174.3	0.0	354.0



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





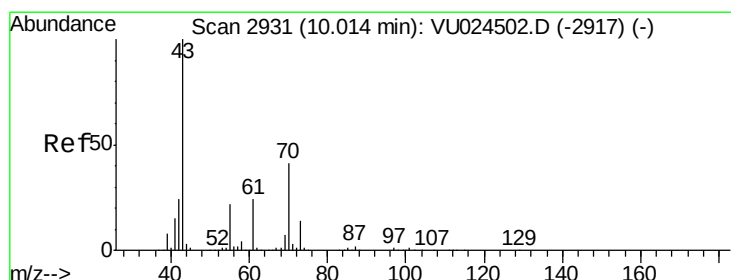
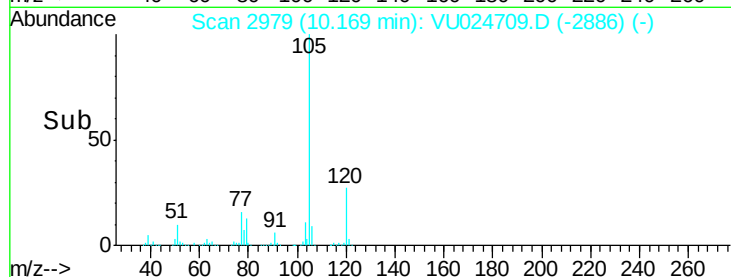
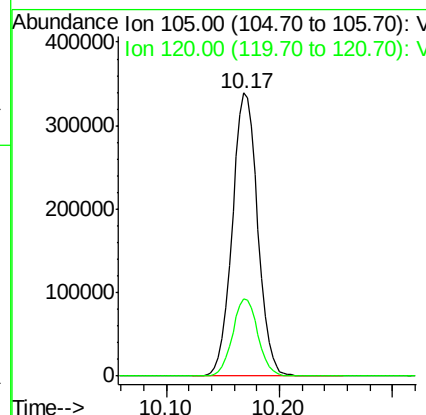
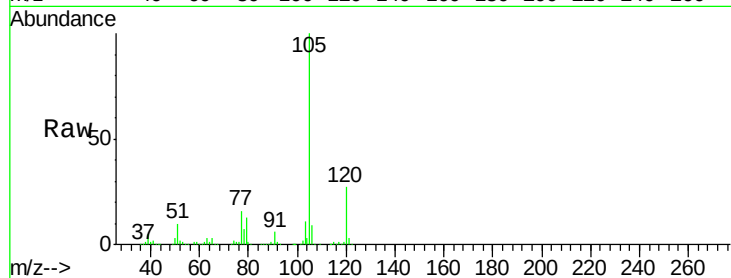
#73
Isopropylbenzene
Concen: 47.51 ug/l
RT: 10.17 min Scan# 2979
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.2	39.6

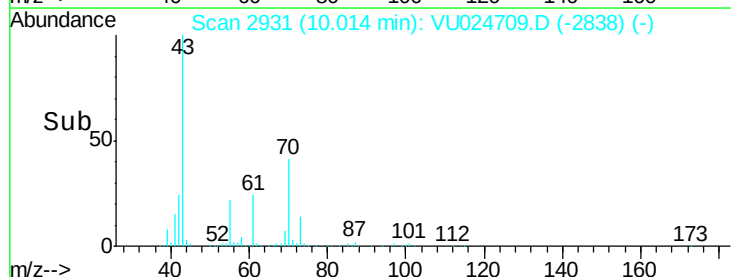
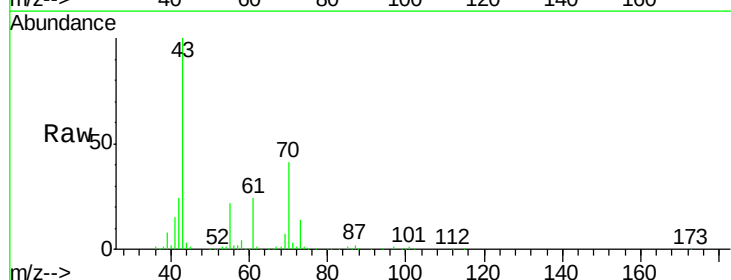
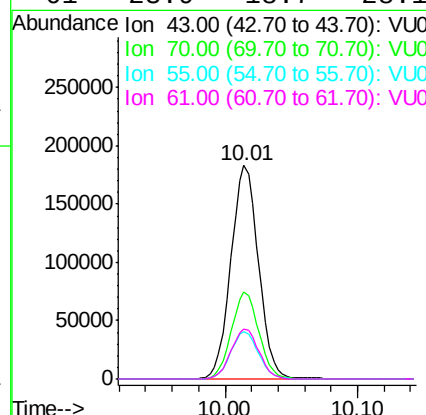
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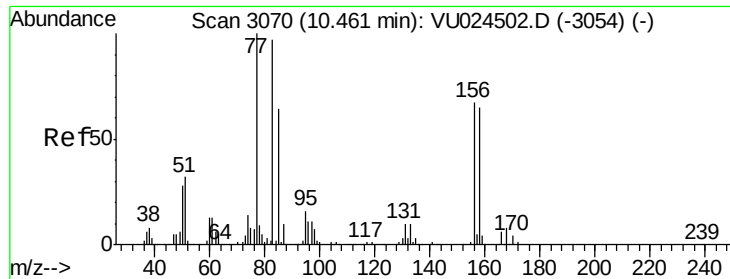
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#74
N-ethyl acetate
Concen: 49.85 ug/l
RT: 10.01 min Scan# 2931
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	32.2	48.4
55	22.5	20.5	30.7
61	23.9	18.7	28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.57 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 195834

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

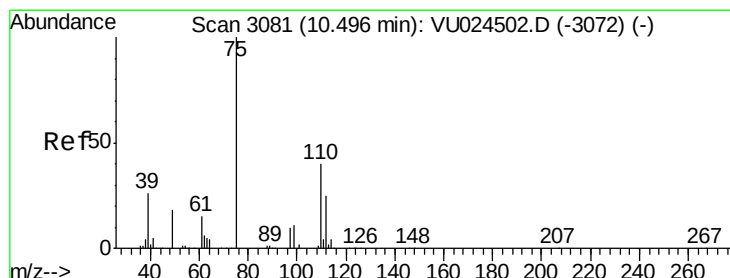
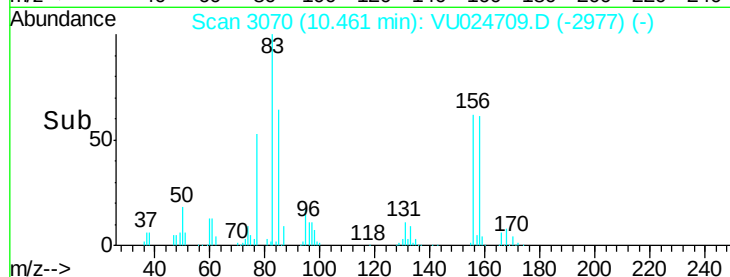
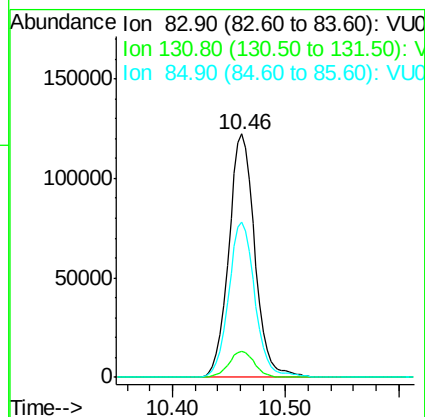
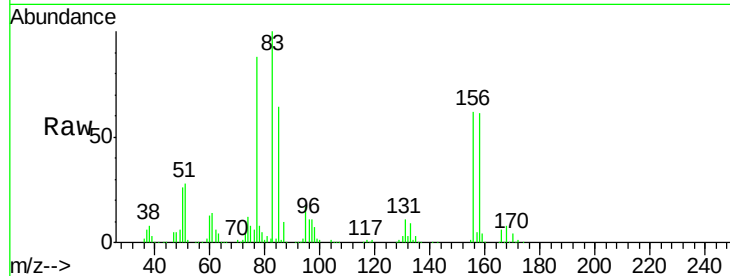
85 64.5 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 53.23 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024709.D

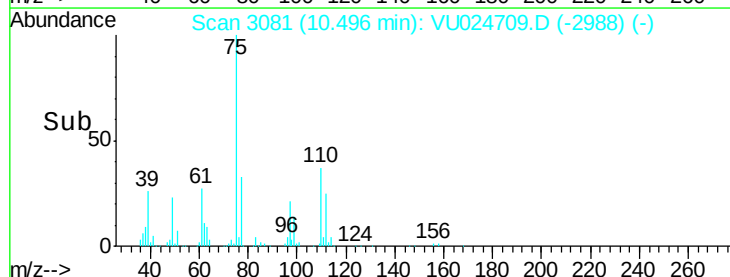
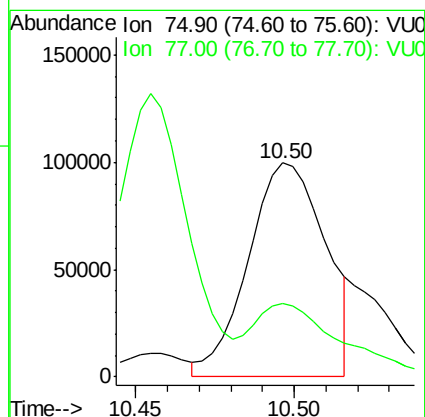
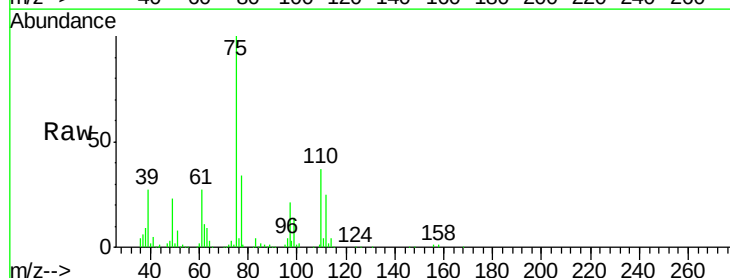
Acq: 18 Jun 2018 22:41

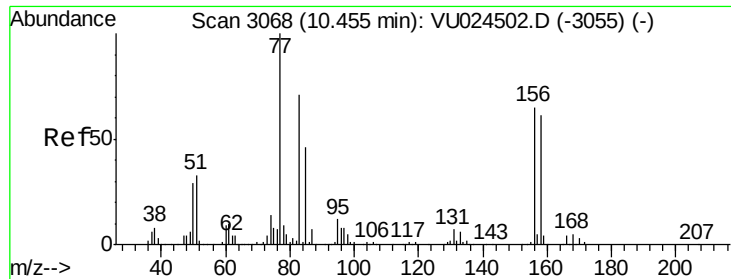
Tgt Ion: 75 Resp: 169683

Ion Ratio Lower Upper

75 100

77 40.0 20.9 62.7





#77

Bromobenzene

Concen: 49.13 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

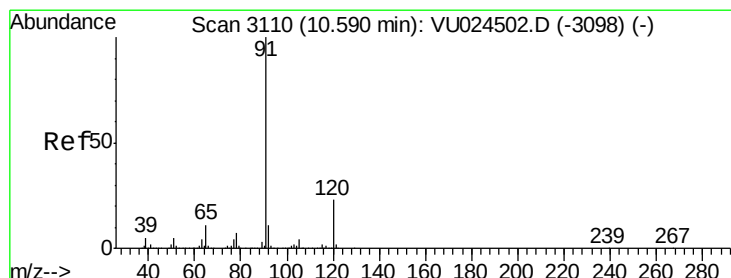
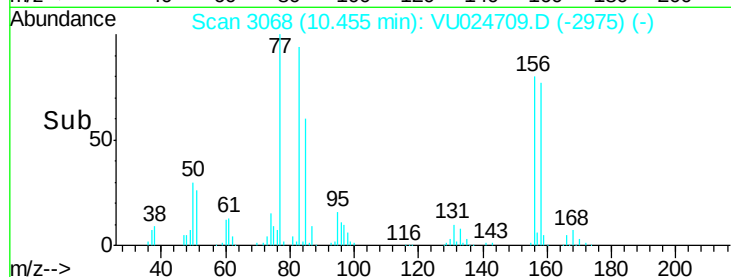
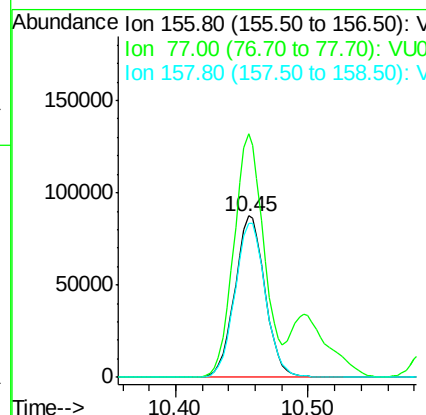
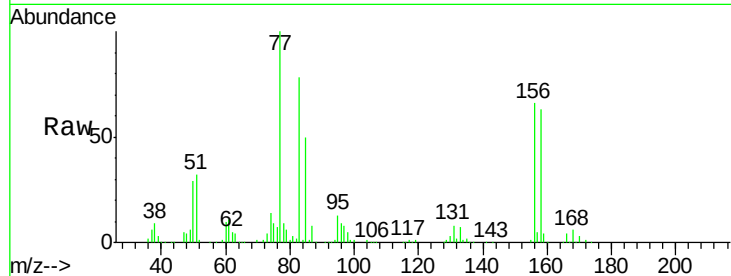
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.7	80.5	241.3
158	97.1	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 46.17 ug/l

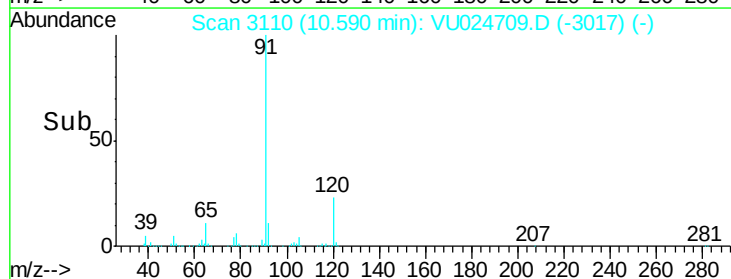
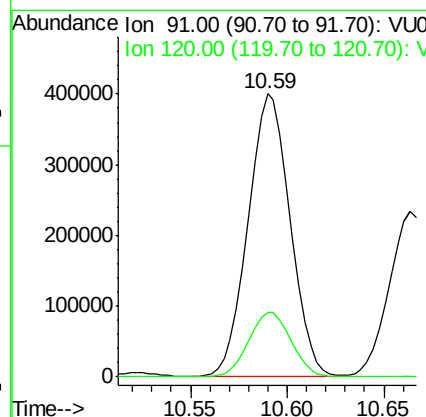
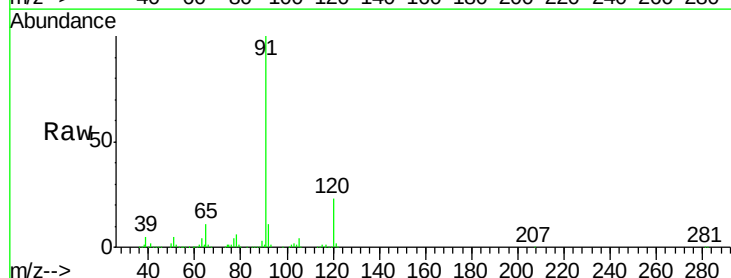
RT: 10.59 min Scan# 3110

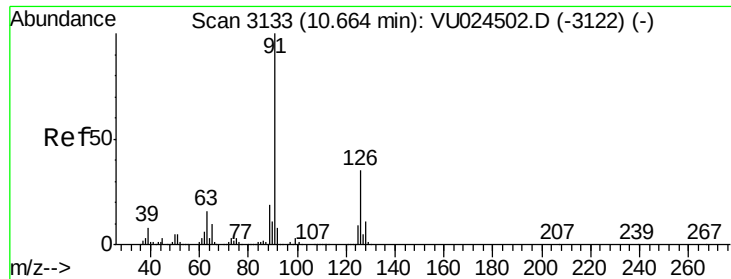
Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 47.15 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 364072

Ion Ratio Lower Upper

91 100

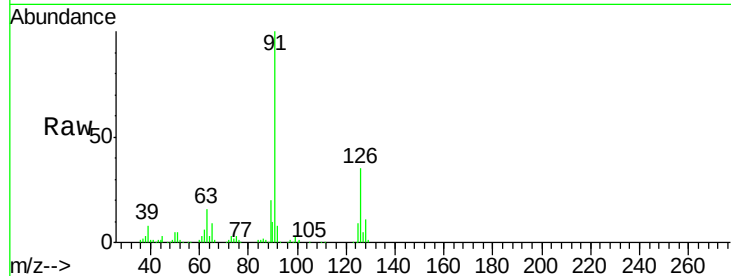
126 34.9 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3122) (-)

400000

300000

200000

100000

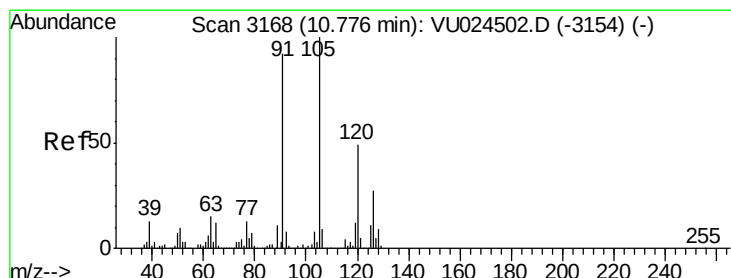
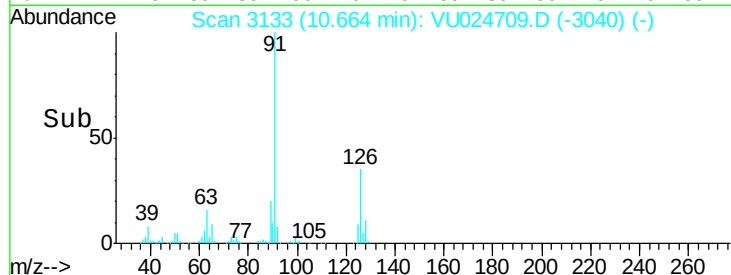
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.07 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024709.D

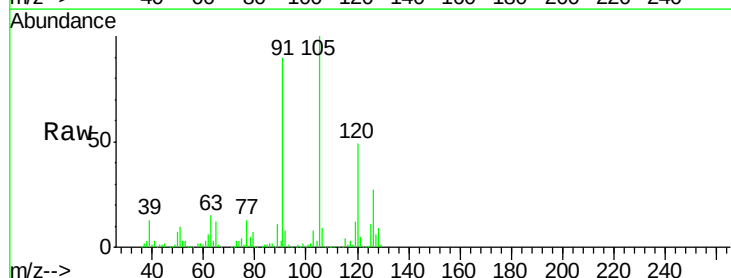
Acq: 18 Jun 2018 22:41

Tgt Ion: 105 Resp: 453537

Ion Ratio Lower Upper

105 100

120 49.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3154) (-)

300000

200000

100000

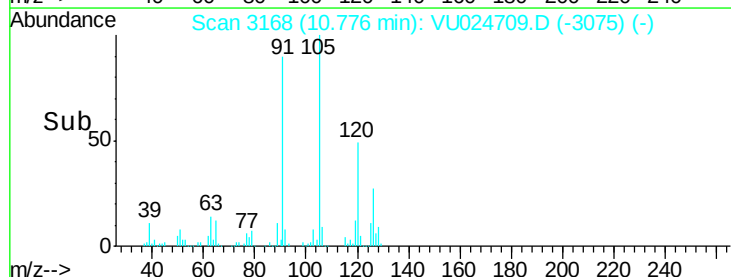
0

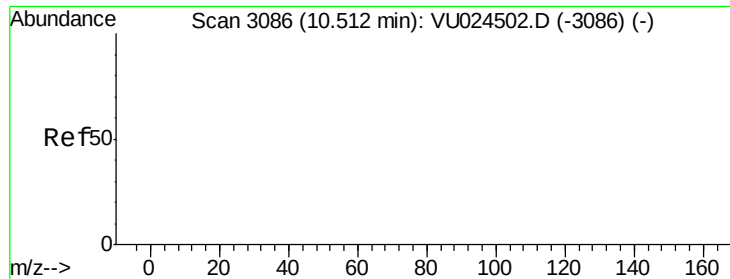
10.70

10.75

10.80

Time-->





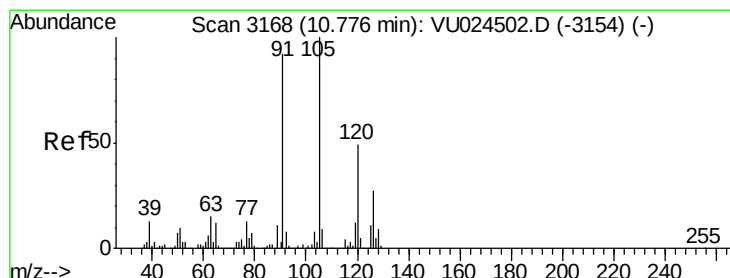
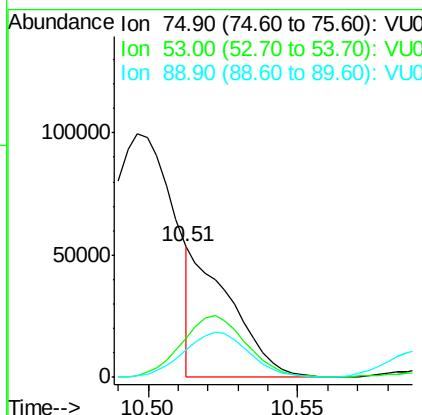
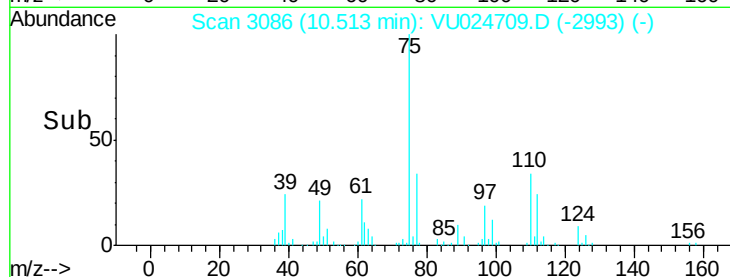
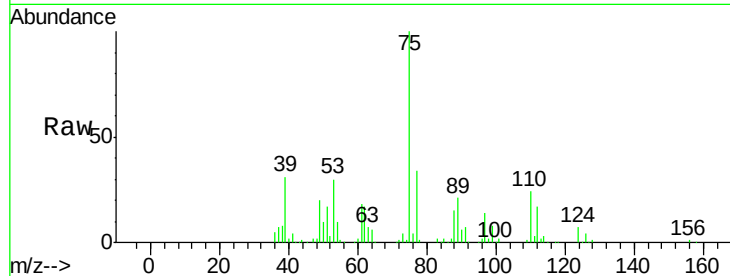
#81
trans-1,4-Dichloro-2-butene
Concen: 36.19 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

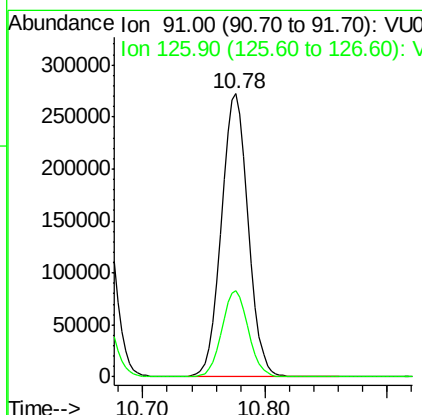
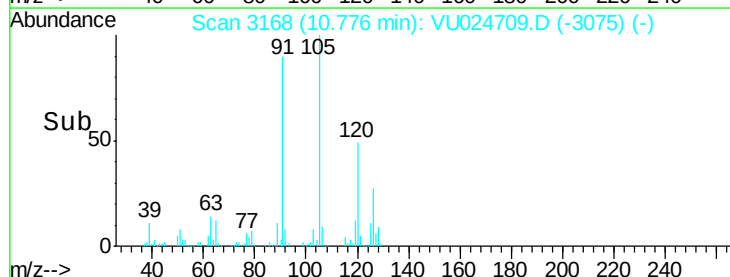
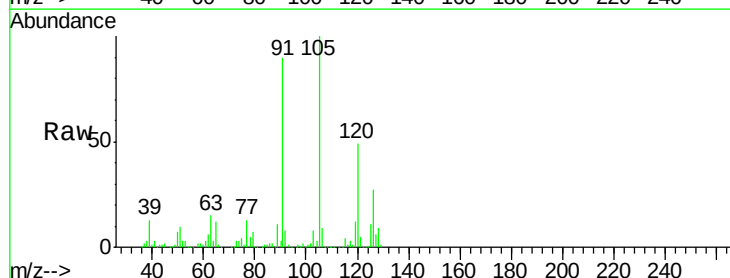
Manual Integrations
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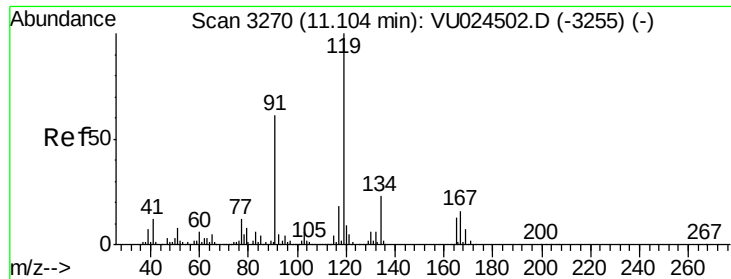
MMDadoda
6/19/2018 1:55:06 PM



#82
4-Chlorotoluene
Concen: 46.66 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





#83

tert-Butylbenzene

Concen: 47.80 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

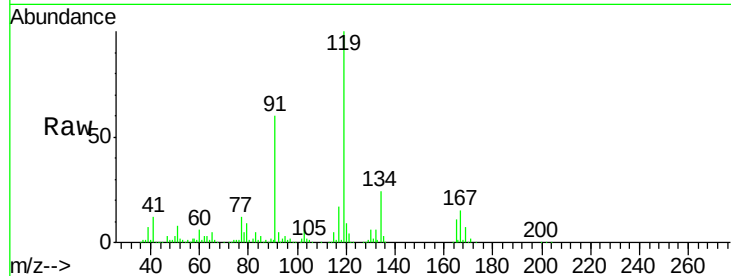
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	443013
Ion Ratio	Lower	Upper	
119	100		
91	60.4	29.7	89.1
134	23.6	11.6	34.7

Manual Integrations
APPROVED

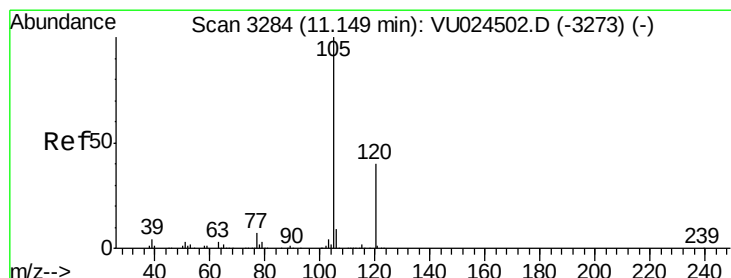
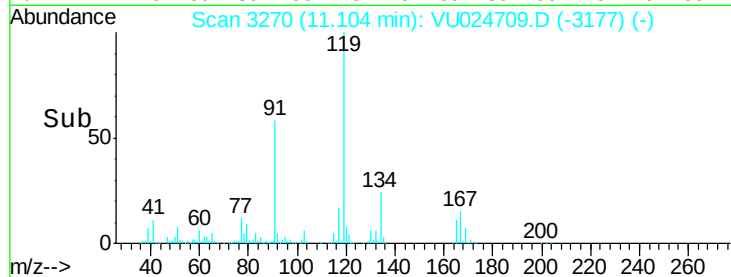
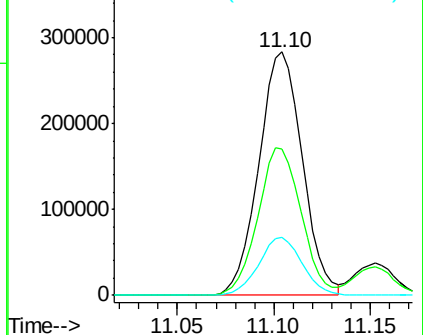
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.75 ug/l

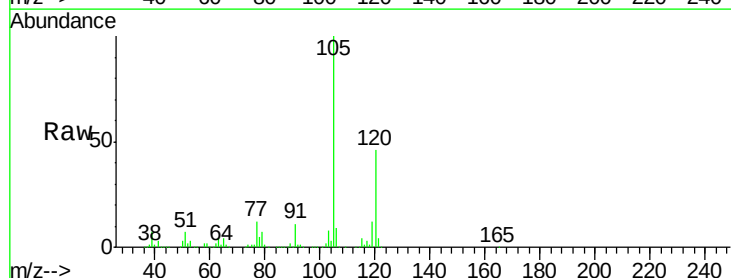
RT: 11.15 min Scan# 3285

Delta R.T. 0.00 min

Lab File: VU024709.D

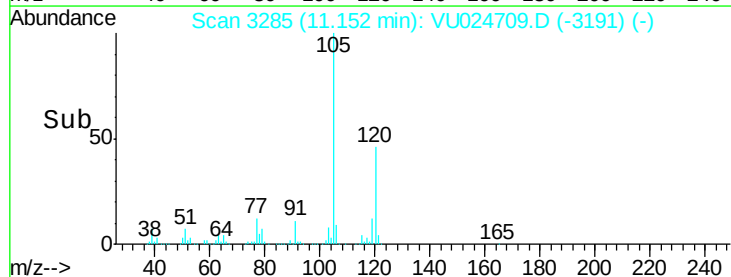
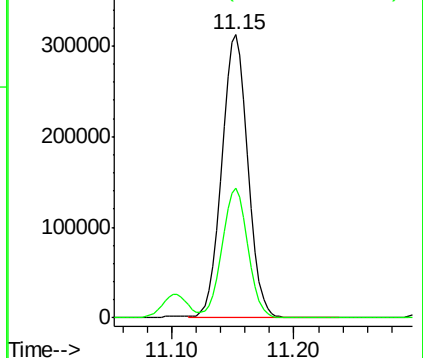
Acq: 18 Jun 2018 22:41

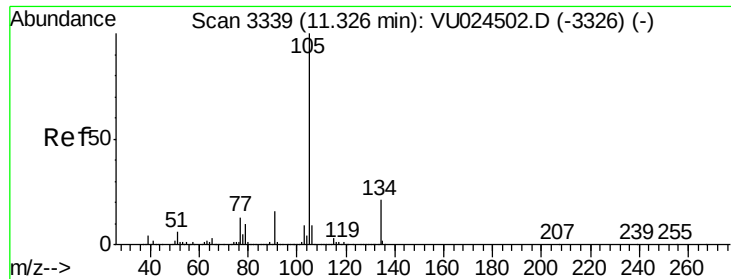
Tgt Ion:	105	Resp:	468875
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.00 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 545262

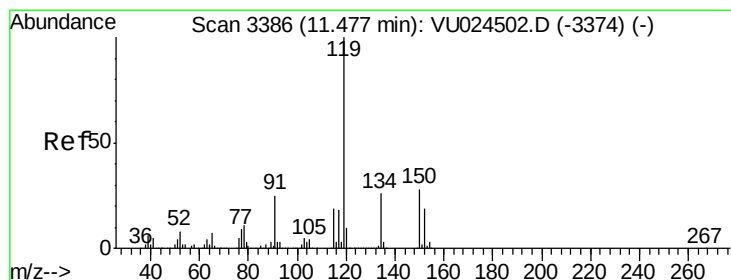
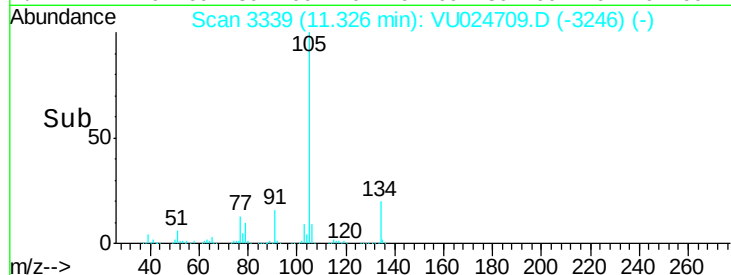
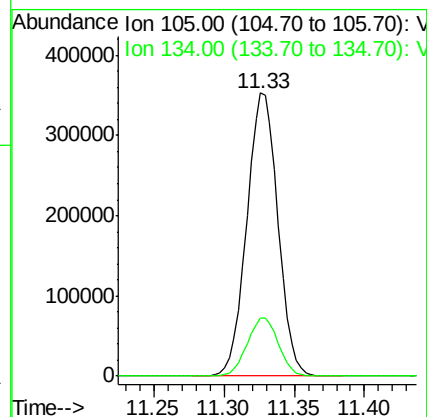
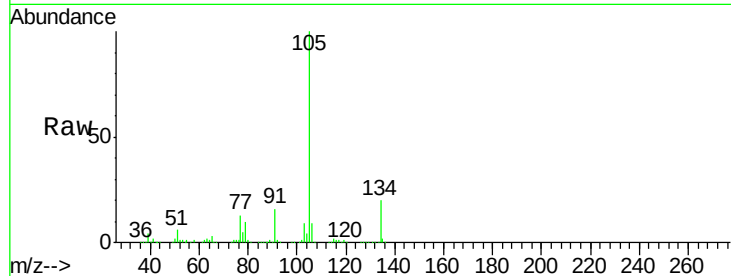
Ion Ratio Lower Upper

105 100

134 20.7 9.7 29.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 46.08 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

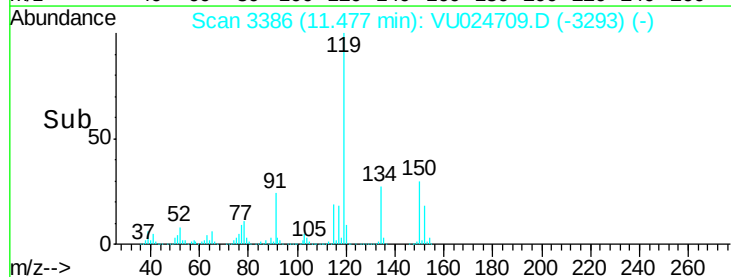
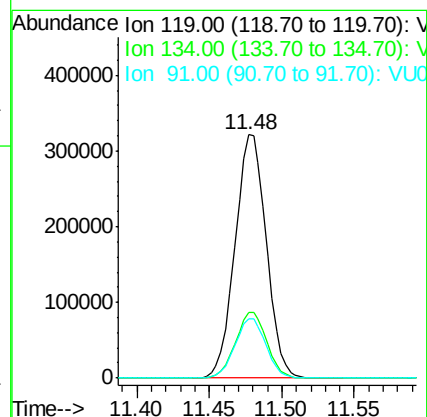
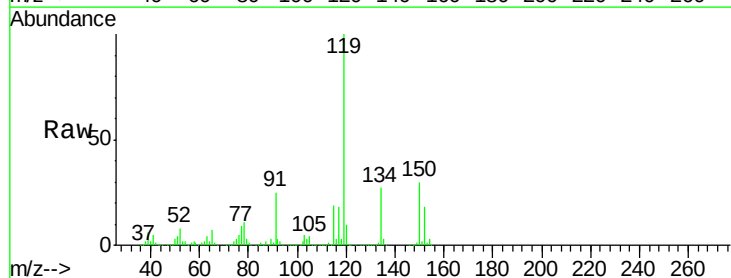
Tgt Ion:119 Resp: 478789

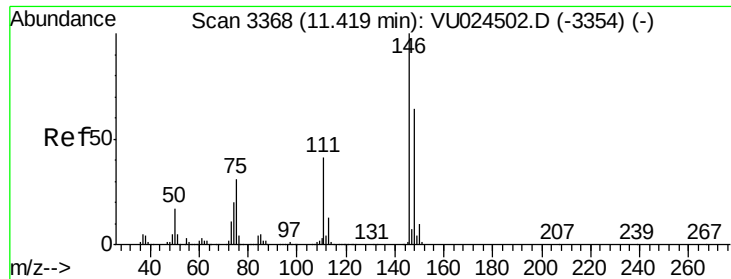
Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

91 24.4 12.0 36.1





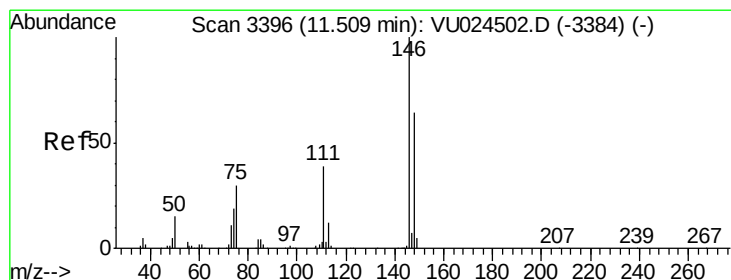
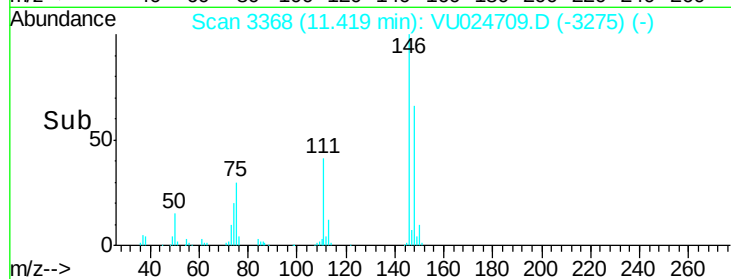
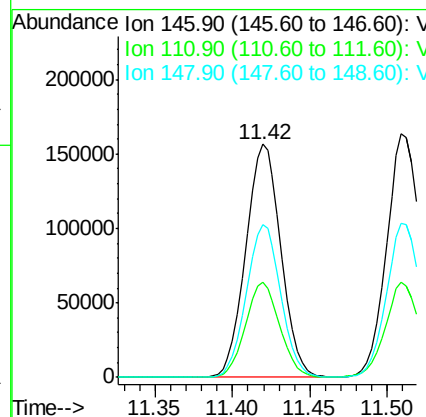
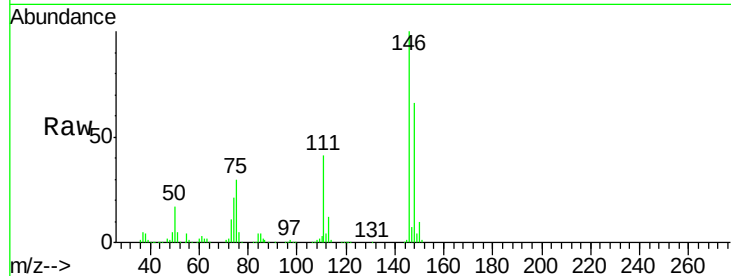
#87
 1,3-Dichlorobenzene
 Concen: 47.48 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.3	32.1	96.5

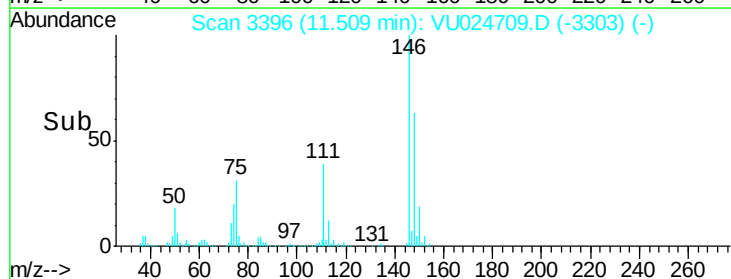
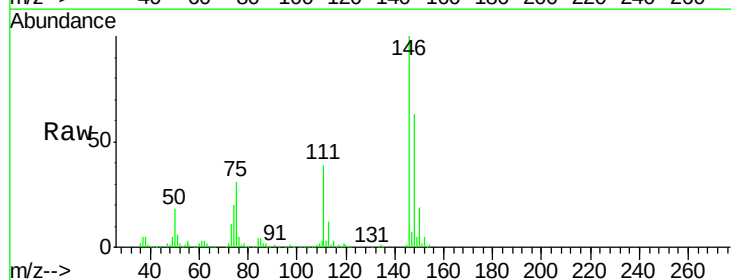
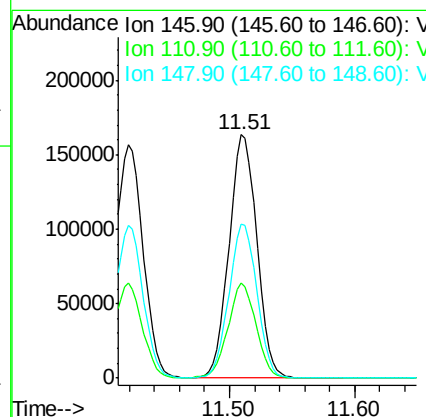
Manual Integrations
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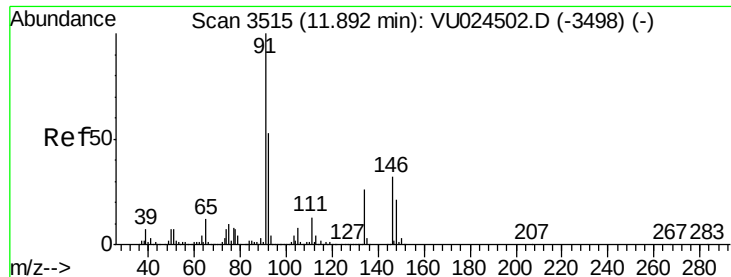
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#88
 1,4-Dichlorobenzene
 Concen: 48.04 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	63.9	32.4	97.0





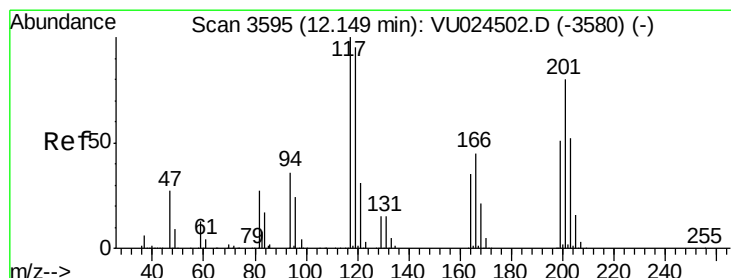
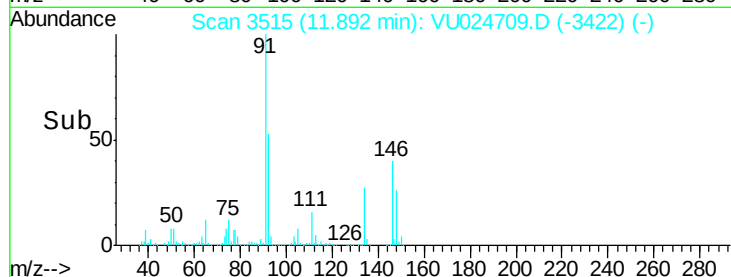
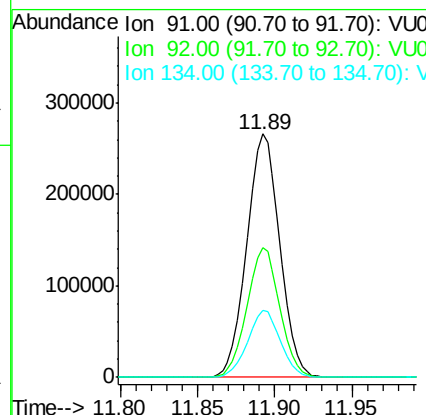
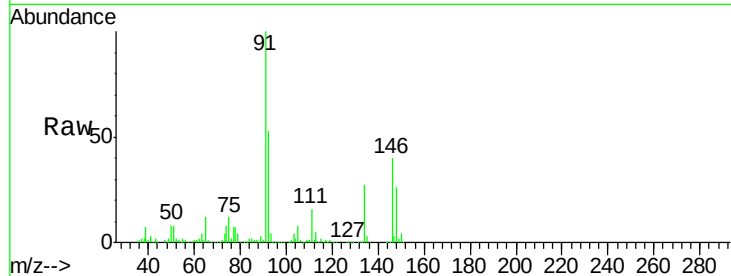
#89
n-Butylbenzene
Concen: 42.83 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	27.1	12.3	36.8

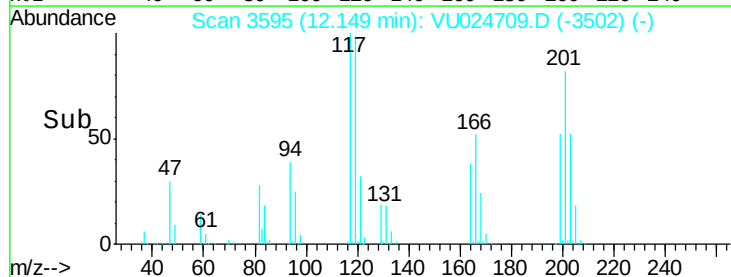
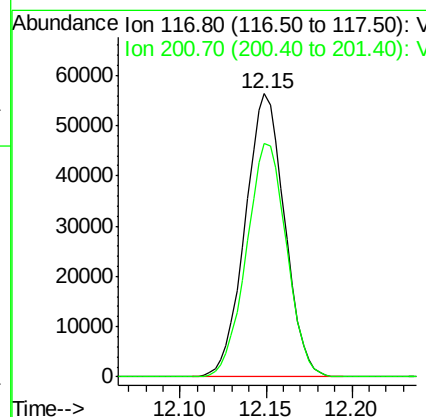
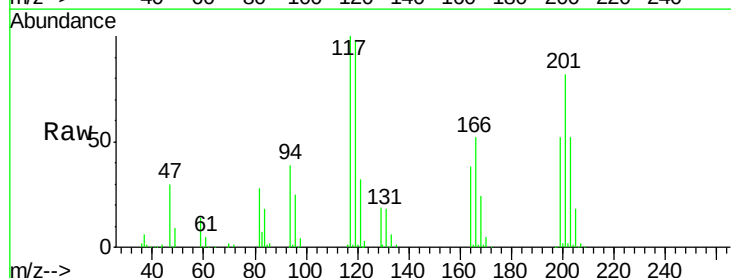
Manual Integrations
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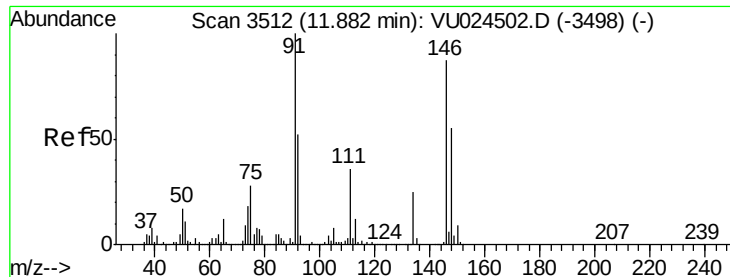
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#90
Hexachloroethane
Concen: 44.20 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024709.D
Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	41.1	123.3





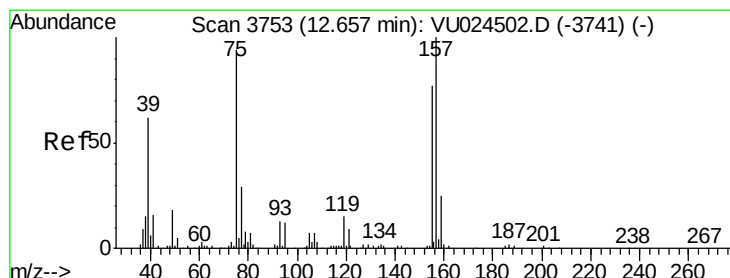
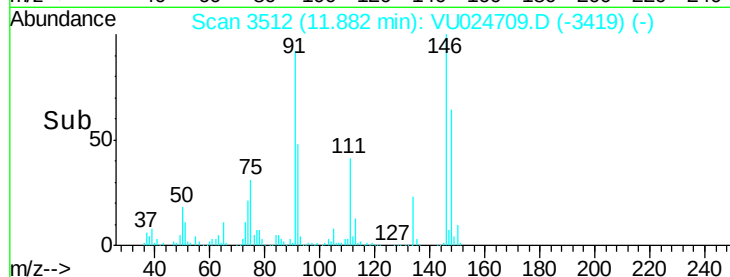
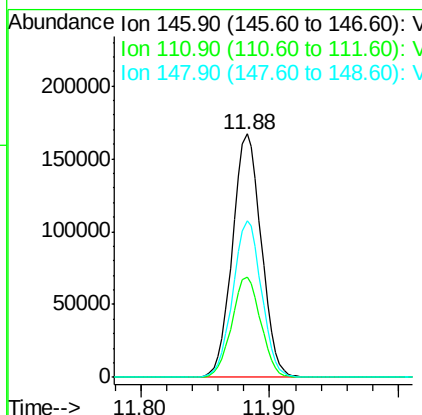
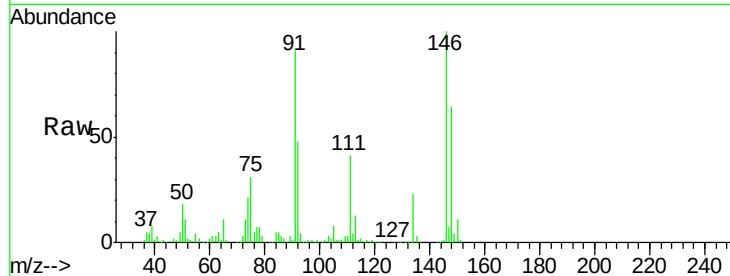
#91
 1,2-Dichlorobenzene
 Concen: 49.90 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259867		
111	41.3	20.5	61.6	
148	64.0	31.9	95.7	

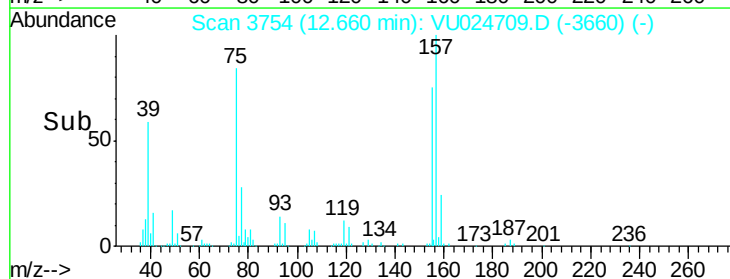
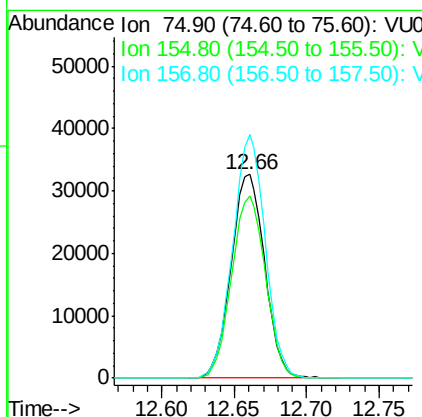
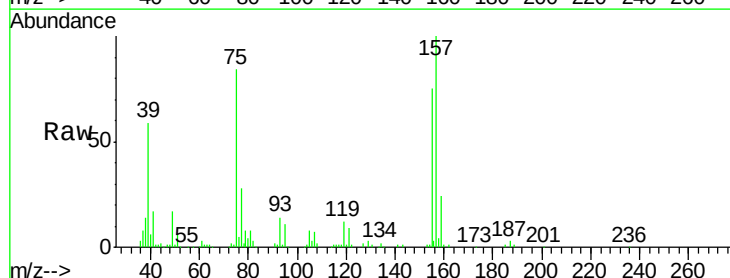
Manual Integrations
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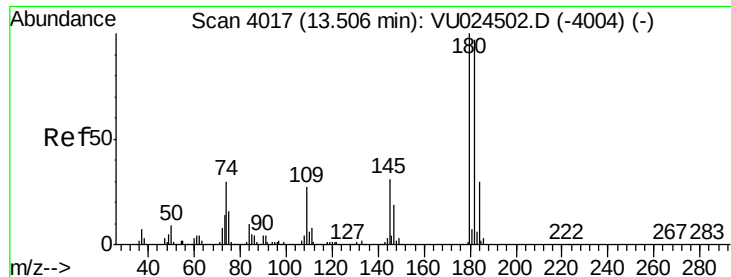
MMDadoda
 6/19/2018 1:55:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.19 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024709.D
 Acq: 18 Jun 2018 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52611		
155	89.6	40.4	121.2	
157	115.2	52.3	156.8	





#93

1,2,4-Trichlorobenzene

Concen: 52.76 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

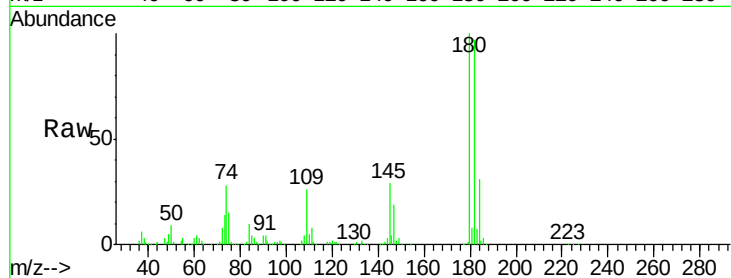
ClientSampleId :

VSTDCCC050

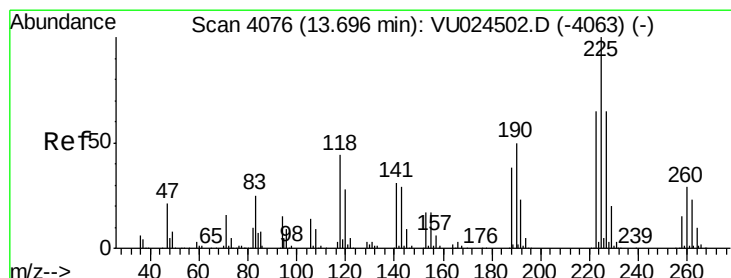
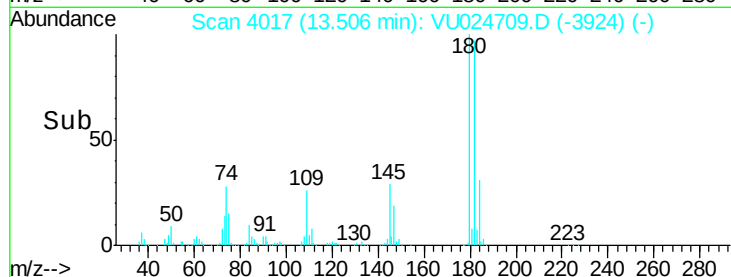
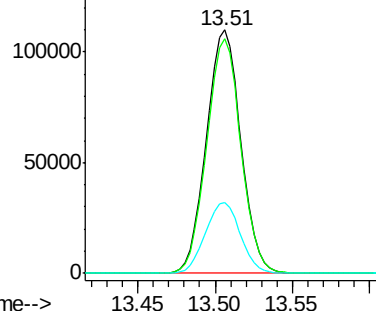
Tot Ion:	180	Resp:	169672
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	29.7	14.7	44.1

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 43.39 ug/l

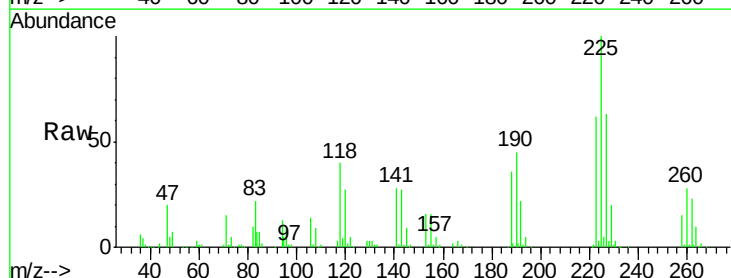
RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

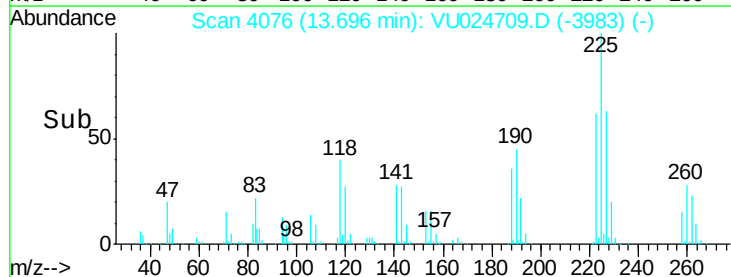
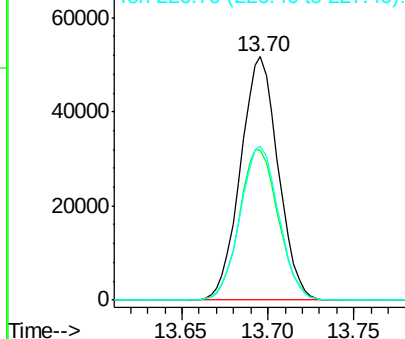
Lab File: VU024709.D

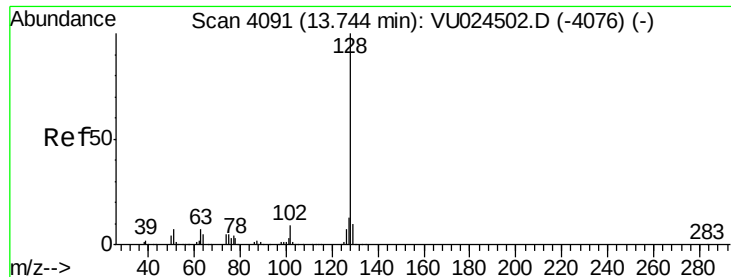
Acq: 18 Jun 2018 22:41

Tgt Ion:	225	Resp:	78544
Ion Ratio	Lower	Upper	
225	100		
223	63.8	31.3	93.8
227	64.6	31.8	95.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 56.33 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Instrument :

MSVOA_U

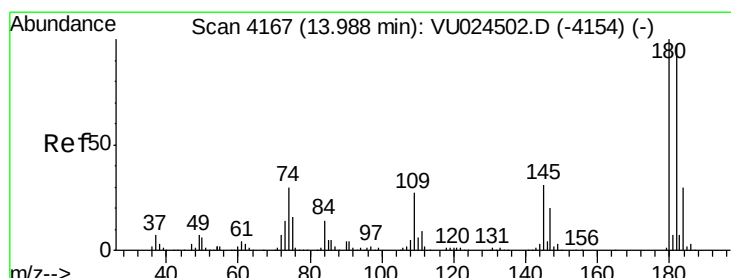
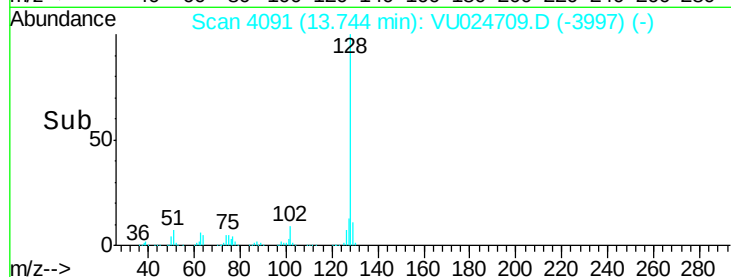
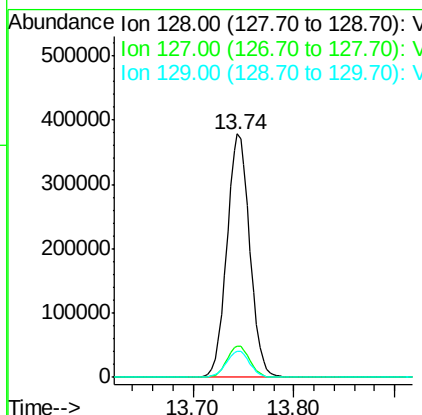
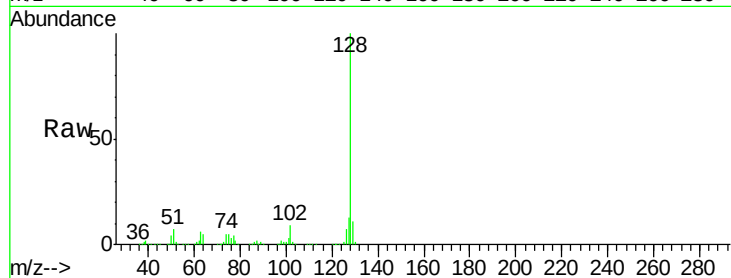
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	600623
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 56.35 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VU024709.D

Acq: 18 Jun 2018 22:41

Tgt Ion:	180	Resp:	180577
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.9	143.7
145	31.1	15.4	46.1

