

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050983.D
 Acq On : 31 Aug 2018 13:11
 Operator : MD\SY
 Sample : VN0831MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2018 12:27:59 PM

Quant Time: Aug 31 14:36:13 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	512607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	759066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	682276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	322053	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332907	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
35) Dibromofluoromethane	7.59	113	312960	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
50) Toluene-d8	10.09	98	1131172	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
62) 4-Bromofluorobenzene	12.40	95	361151	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	128201	18.69	ug/l	100
3) Chloromethane	2.06	50	155650	18.40	ug/l	100
4) Vinyl Chloride	2.18	62	147990	18.46	ug/l	99
5) Bromomethane	2.56	94	89766	19.04	ug/l	98
6) Chloroethane	2.70	64	89659	19.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	200271	19.51	ug/l	98
8) Diethyl Ether	3.41	74	72522	20.78	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126620	19.75	ug/l	99
10) Methyl Iodide	3.95	142	94638	21.03	ug/l	99
11) Tert butyl alcohol	4.79	59	41981	106.83	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	111912	19.44	ug/l	99
13) Acrolein	3.61	56	12340	67.84	ug/l	96
14) Allyl chloride	4.33	41	173501	19.34	ug/l	100
15) Acrylonitrile	5.00	53	213289	106.80	ug/l	99
16) Acetone	3.82	43	146707	96.04	ug/l	94
17) Carbon Disulfide	4.05	76	322744	16.72	ug/l	99
18) Methyl Acetate	4.33	43	146278	25.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	317544	21.93	ug/l	99
20) Methylene Chloride	4.55	84	141664	20.37	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	120396	19.33	ug/l	97
22) Diisopropyl ether	5.96	45	395943	22.15	ug/l	99
23) Vinyl Acetate	5.90	43	1165922	101.26	ug/l	100
24) 1,1-Dichloroethane	5.85	63	235173	20.49	ug/l	99
25) 2-Butanone	6.84	43	227204	91.36	ug/l	99
26) 2,2-Dichloropropane	6.83	77	170819	18.52	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	141463	21.07	ug/l	98
28) Bromochloromethane	7.20	49	105157	21.56	ug/l	99
29) Tetrahydrofuran	7.22	42	156029	109.43	ug/l	99
30) Chloroform	7.37	83	239647	21.08	ug/l	100
31) Cyclohexane	7.66	56	190389	18.54	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	195437	20.02	ug/l	100
36) 1,1-Dichloropropene	7.80	75	166158	18.55	ug/l	99
37) Ethyl Acetate	6.93	43	103513	20.12	ug/l	98
38) Carbon Tetrachloride	7.78	117	173784	19.19	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	169739	17.52	ug/l	99
40) Benzene	8.04	78	538967	19.95	ug/l	100
41) Methacrylonitrile	7.18	41	60329	21.67	ug/l	93
42) 1,2-Dichloroethane	8.13	62	168971	20.92	ug/l	100
43) Isopropyl Acetate	8.17	43	183618	20.76	ug/l	98
44) Trichloroethene	8.84	130	139773	19.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	144231	20.32	ug/l	100
46) Dibromomethane	9.21	93	86433	20.72	ug/l	97
47) Bromodichloromethane	9.40	83	181974	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	92993	20.63	ug/l	99
49) 1,4-Dioxane	9.20	88	25502	414.91	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	527214	99.86	ug/l	99
52) Toluene	10.16	92	326313	20.39	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	171188	19.69	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	204878	20.57	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	125340	21.11	ug/l	98
56) Ethyl methacrylate	10.43	69	138812	19.47	ug/l	99
57) 1,3-Dichloropropane	10.71	76	203994	20.81	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	291525	94.47	ug/l	99
59) 2-Hexanone	10.75	43	322728	91.83	ug/l	99
60) Dibromochloromethane	10.90	129	138265	20.79	ug/l	99
61) 1,2-Dibromoethane	11.01	107	119646	20.83	ug/l	100
64) Tetrachloroethene	10.63	164	126663	19.55	ug/l	99
65) Chlorobenzene	11.44	112	361529	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	136855	20.97	ug/l	99
67) Ethyl Benzene	11.51	91	564830	19.48	ug/l	100
68) m/p-Xylenes	11.62	106	446612	40.58	ug/l	100
69) o-Xylene	11.95	106	213636	20.19	ug/l	99
70) Styrene	11.97	104	336194	18.84	ug/l	98
71) Bromoform	12.13	173	94578	21.08	ug/l #	98
73) Isopropylbenzene	12.25	105	557667	20.91	ug/l	100
74) N-amyl acetate	12.07	43	132587	19.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152553	23.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124299m	22.04	ug/l	
77) Bromobenzene	12.53	156	148279	20.46	ug/l	99
78) n-propylbenzene	12.59	91	612238	20.55	ug/l	100
79) 2-Chlorotoluene	12.68	91	390995	21.07	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	462324	21.49	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32260	19.33	ug/l	95
82) 4-Chlorotoluene	12.77	91	376633	20.56	ug/l	100
83) tert-Butylbenzene	12.99	119	390582	20.96	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	460083	21.26	ug/l	98
85) sec-Butylbenzene	13.17	105	509815	20.88	ug/l	100
86) p-Isopropyltoluene	13.29	119	437612	21.03	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	242812	19.74	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232086	19.17	ug/l	100
89) n-Butylbenzene	13.62	91	302336	18.17	ug/l	99
90) Hexachloroethane	13.87	117	85083	21.56	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	240935	20.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19551	20.41	ug/l	98

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	82011	16.28	ug/l	99
94) Hexachlorobutadiene	15.01	225	74732	20.59	ug/l	98
95) Naphthalene	15.13	128	155587	16.19	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	88205	17.53	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

Tot Ion:168 Resp: 512607

Ion Ratio Lower Upper

168 100

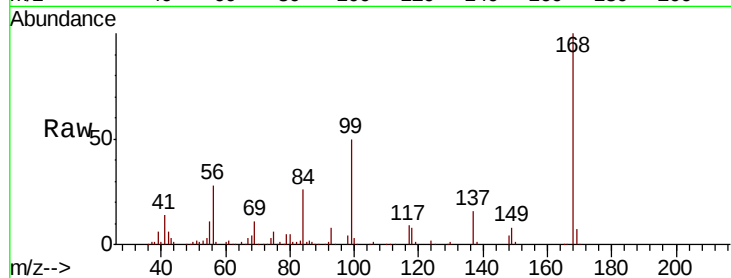
99 49.6 39.6 59.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

250000

200000

150000

100000

50000

0

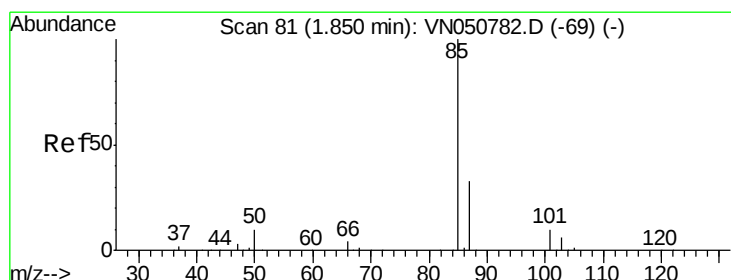
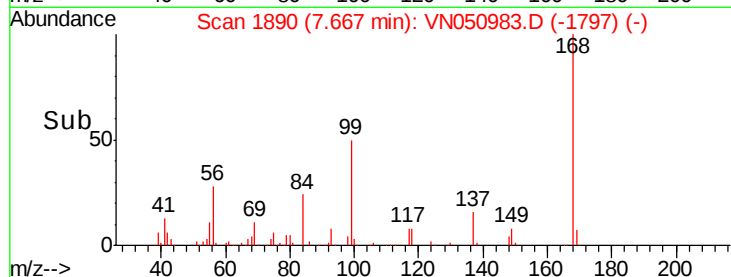
7.60

7.67

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050983.D

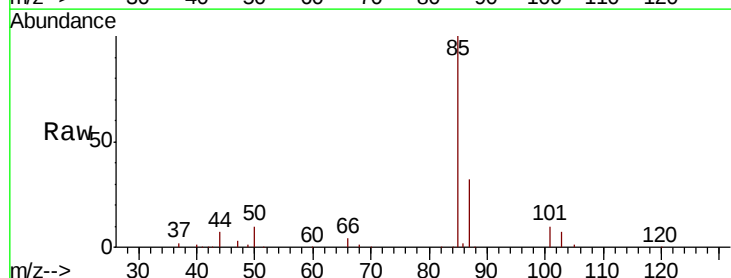
Acq: 31 Aug 2018 13:11

Tgt Ion: 85 Resp: 128201

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

40000

20000

0

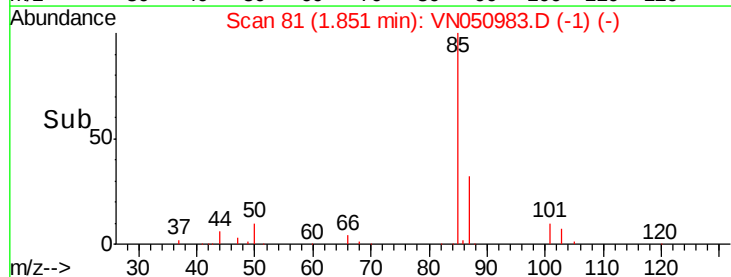
1.80

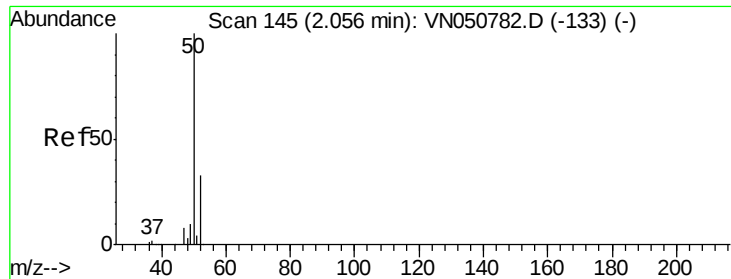
1.85

1.90

1.95

Time-->





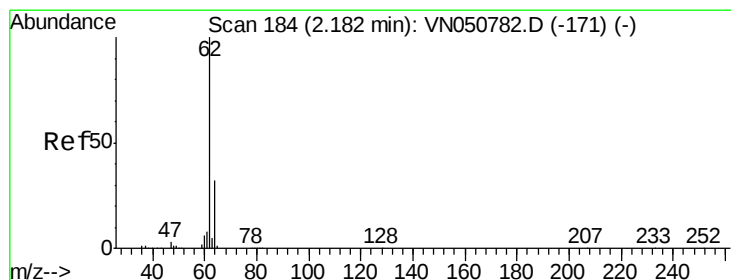
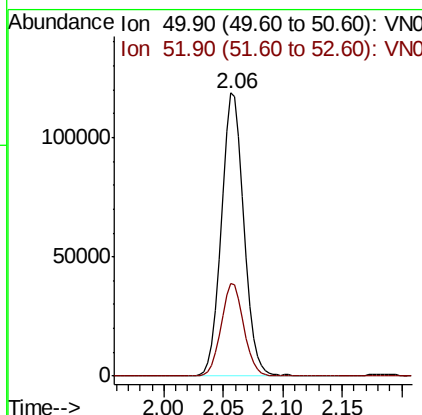
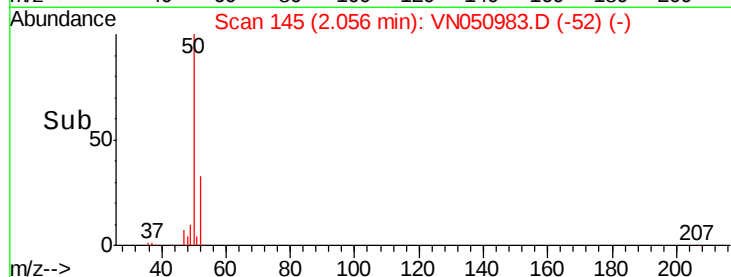
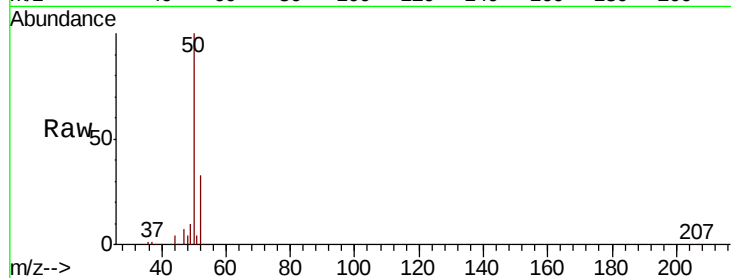
#3
Chloromethane
Concen: 18.40 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	50	Resp	155650
Ion Ratio	100	Lower	Upper
50	100		
52	33.0	26.3	39.5

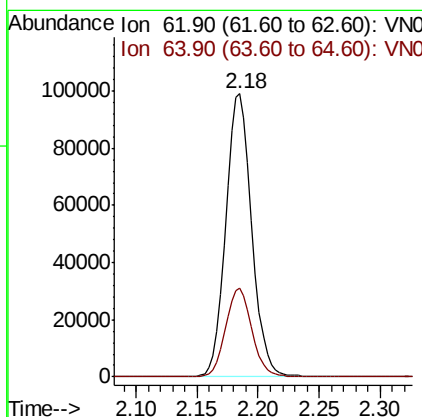
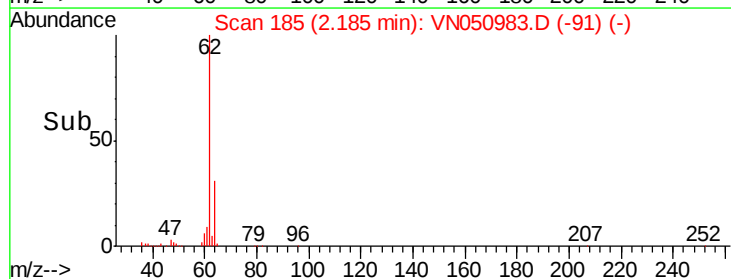
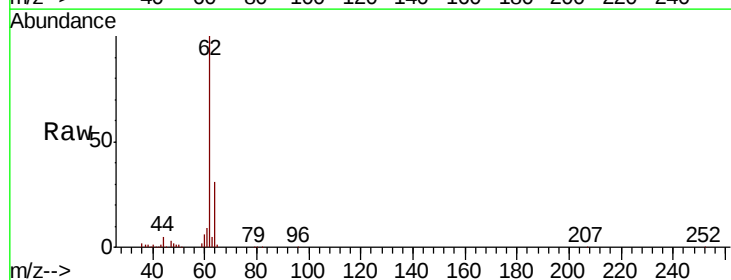
Manual Integrations
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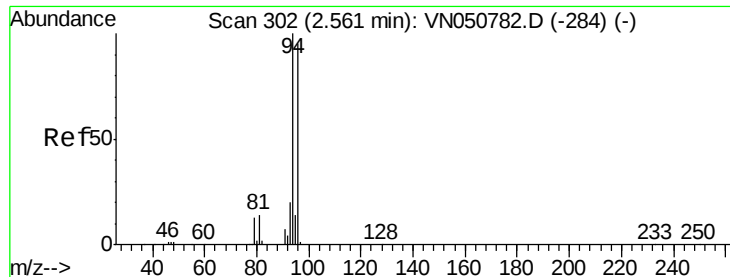
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#4
Vinyl Chloride
Concen: 18.46 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	62	Resp	147990
Ion Ratio	100	Lower	Upper
62	100		
64	31.2	25.4	38.2





#5

Bromomethane

Concen: 19.04 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 94 Resp: 89766

Ion Ratio Lower Upper

94 100

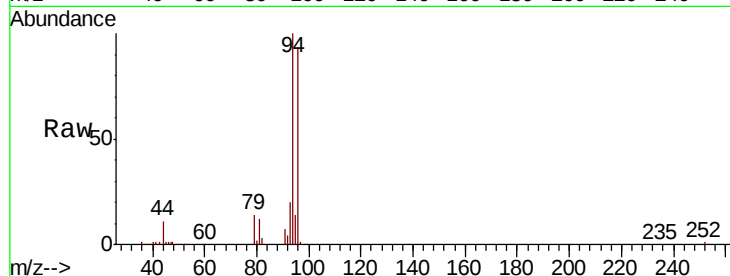
96 93.5 76.2 114.2

Manual Integrations

APPROVED

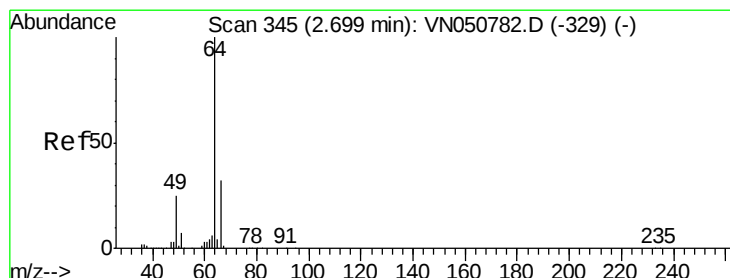
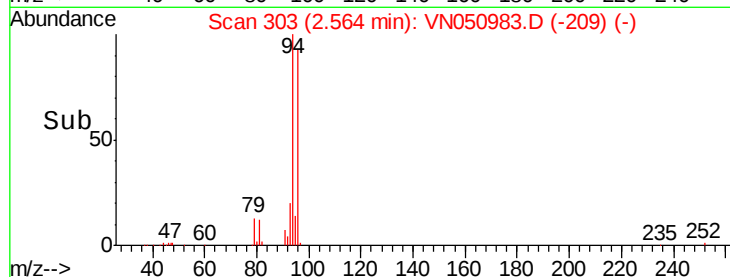
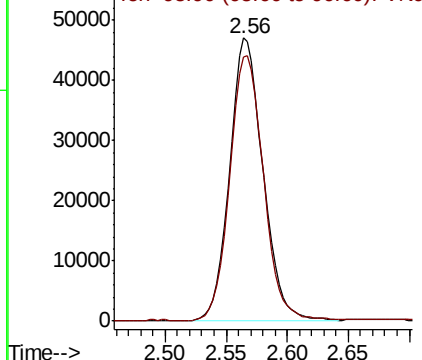
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.36 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050983.D

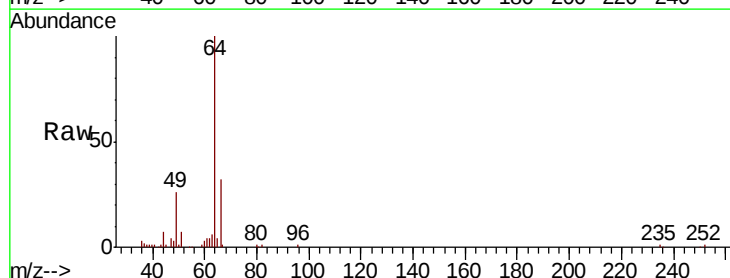
Acq: 31 Aug 2018 13:11

Tgt Ion: 64 Resp: 89659

Ion Ratio Lower Upper

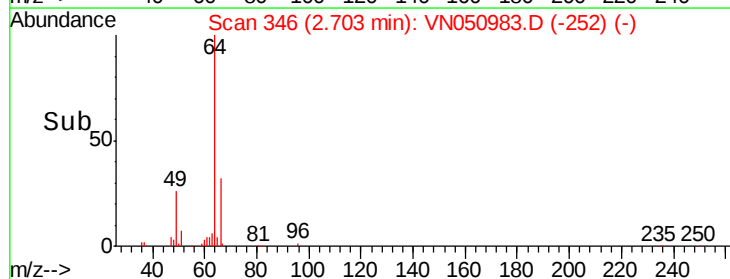
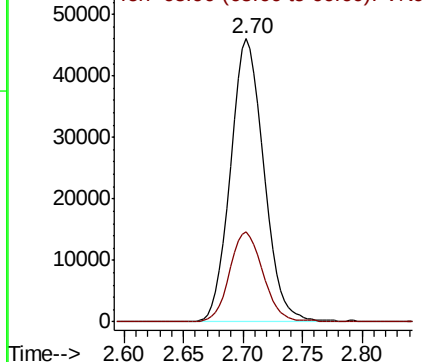
64 100

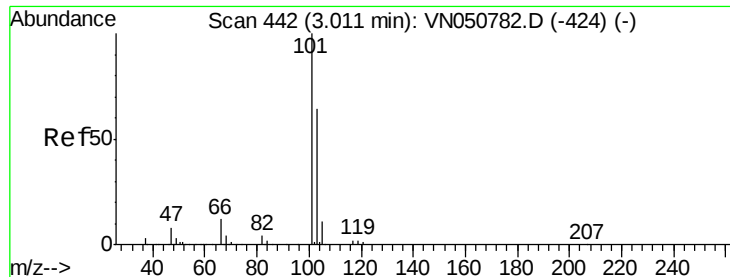
66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

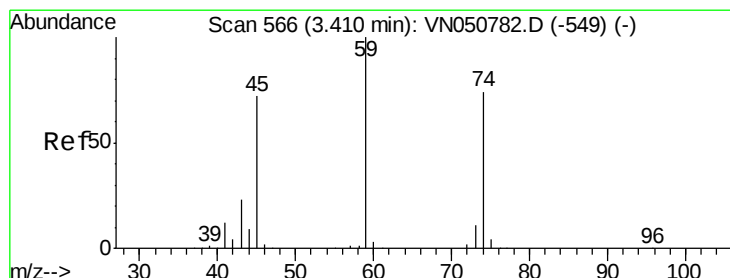
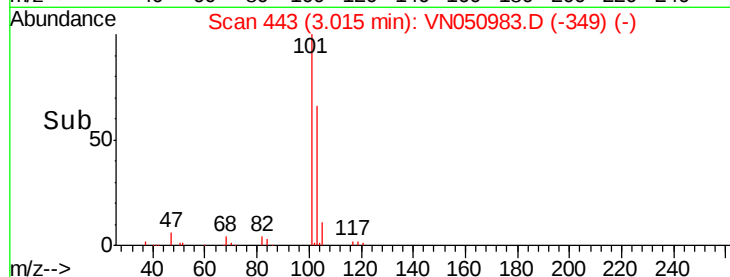
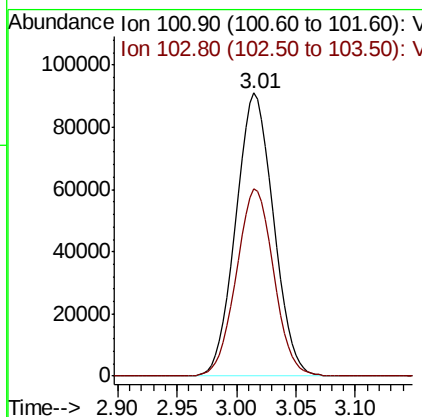
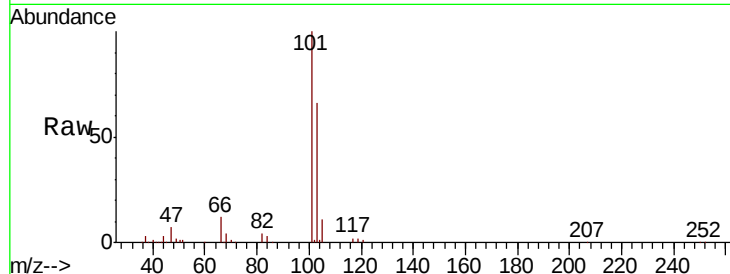
Trichlorofluoromethane
 Concen: 19.51 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
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 ClientSampled :
 VN0831MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.6	77.4

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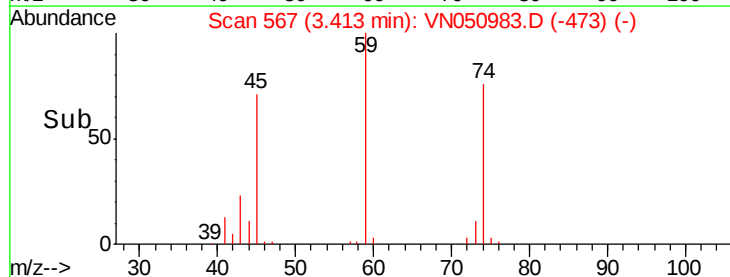
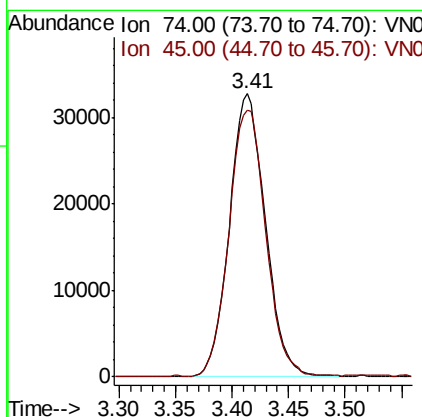
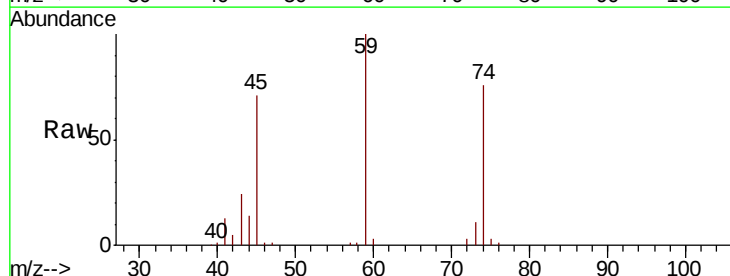
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 9/4/2018 12:27:59 PM



#8

Diethyl Ether
 Concen: 20.78 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.75 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

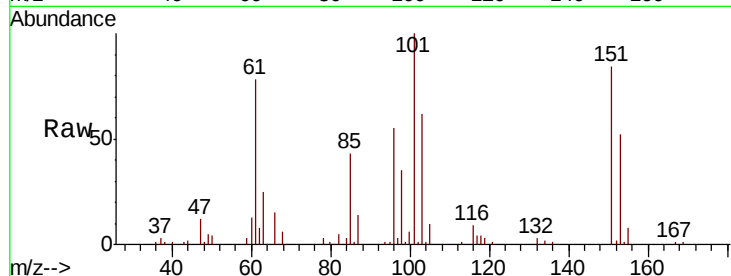
ClientSampleId :

VN0831MBS01

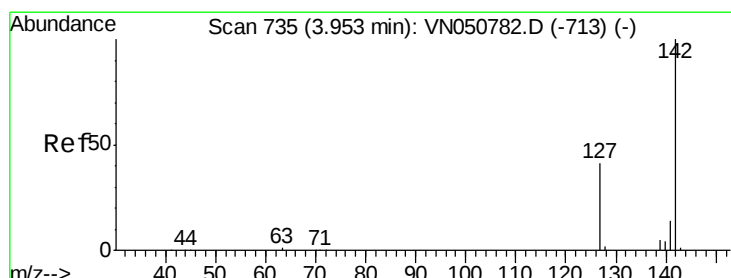
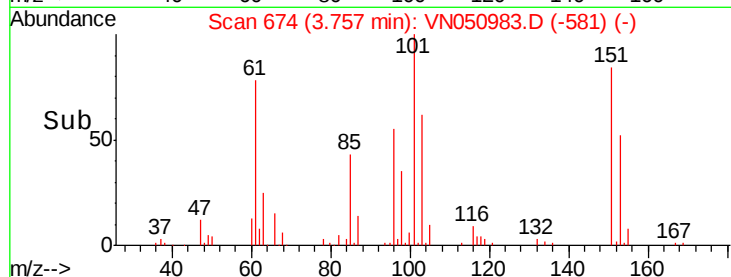
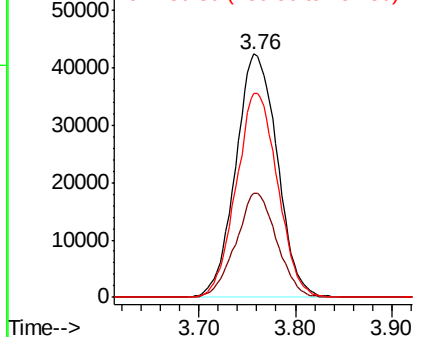
Tot Ion:	101	Resp:	126620
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.7	50.5
151	83.5	67.4	101.2

Manual Integrations
APPROVED

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9/4/2018 12:27:59 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.03 ug/l

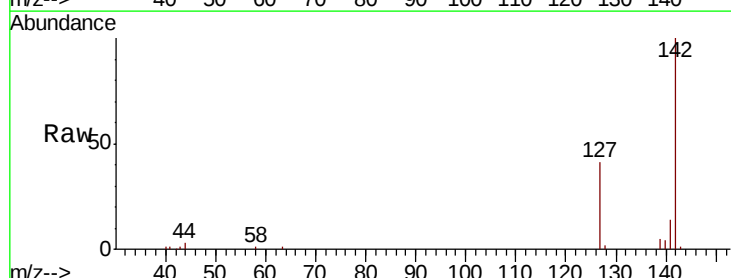
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

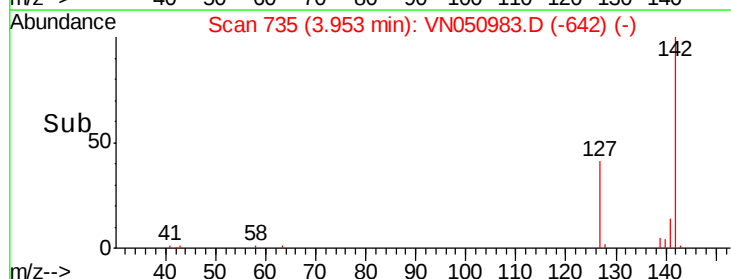
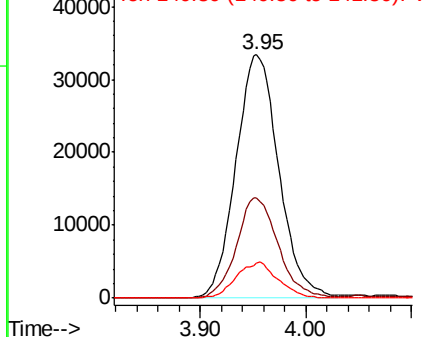
Lab File: VN050983.D

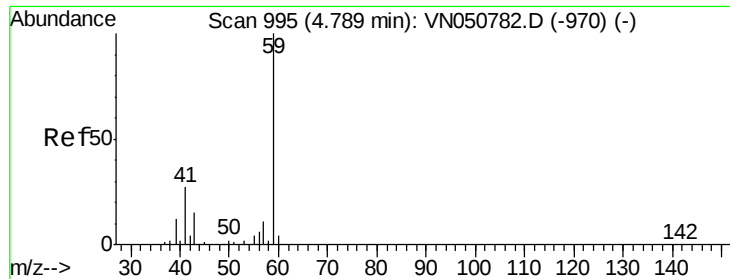
Acq: 31 Aug 2018 13:11

Tgt Ion:	142	Resp:	94638
Ion Ratio	Lower	Upper	
142	100		
127	40.1	31.7	47.5
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

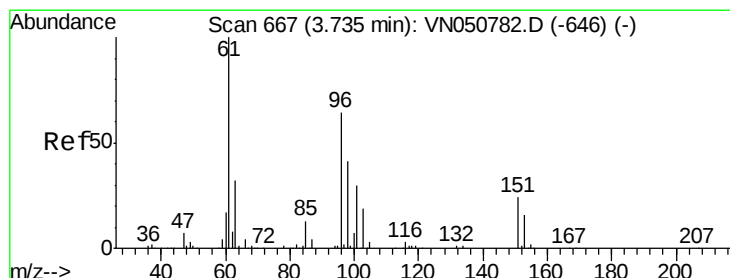
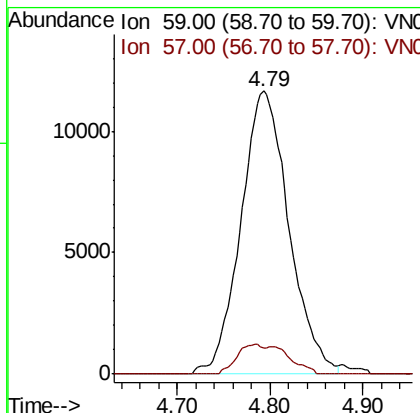
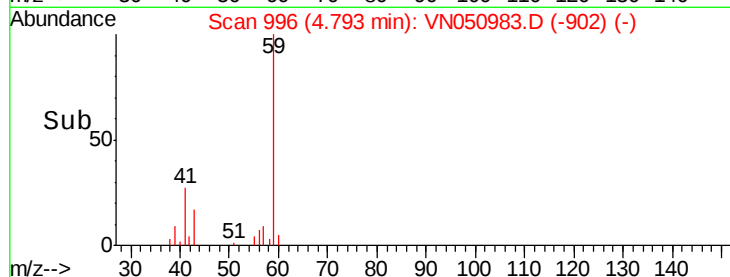
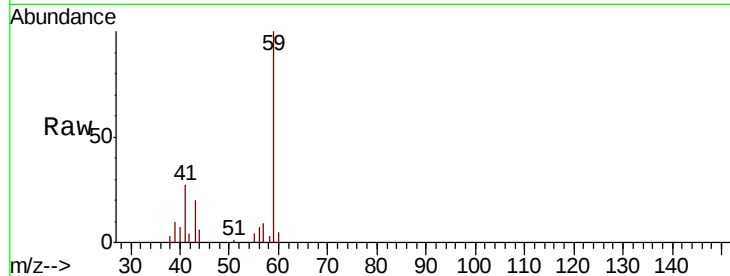
Tert butyl alcohol
Concen: 106.83 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.7	8.3	12.5#

Manual Integrations
APPROVED

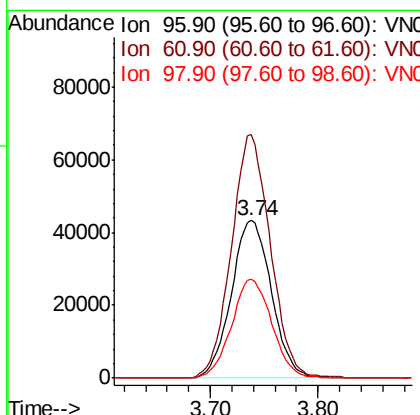
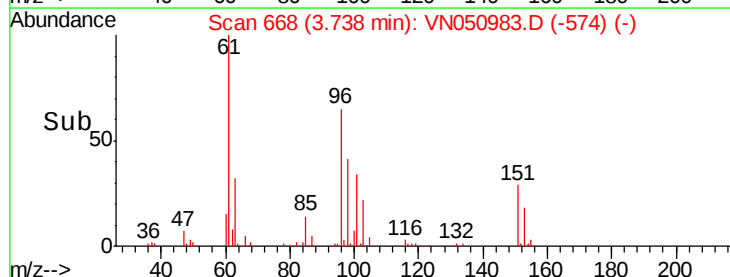
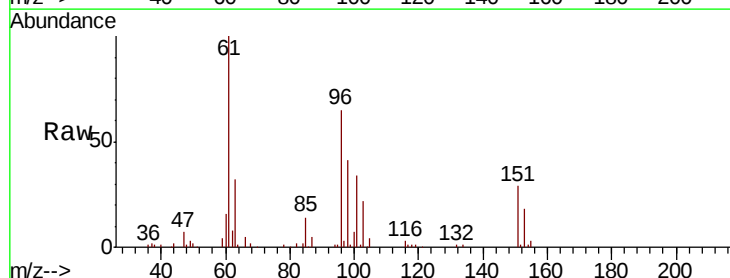
MMDadoda
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#12

1,1-Dichloroethene
Concen: 19.44 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	124.9	187.3
98	62.8	51.1	76.7





#13

Acrolein

Concen: 67.84 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 56 Resp: 12340

Ion Ratio Lower Upper

56 100

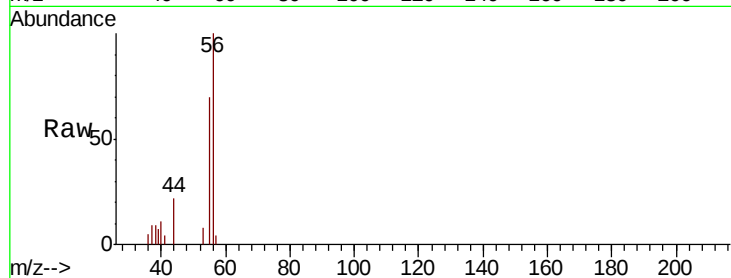
55 75.4 57.7 86.5

Manual Integrations

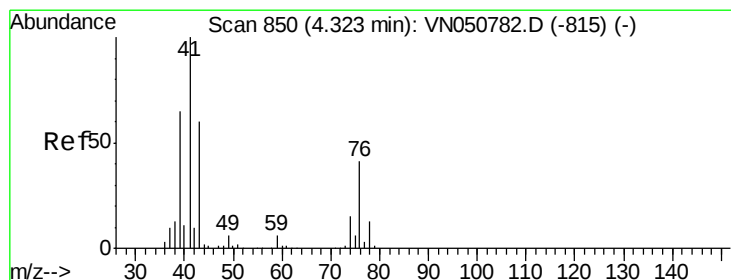
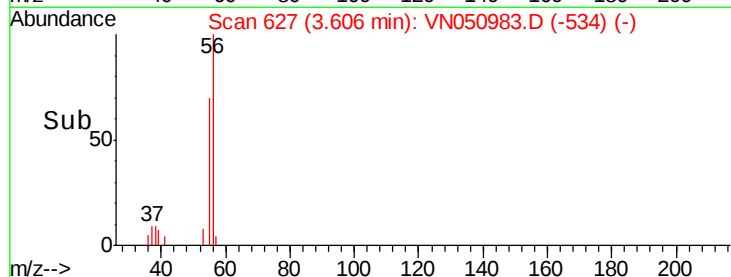
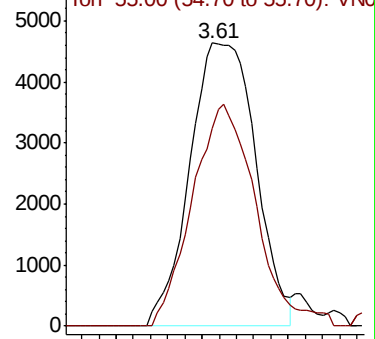
APPROVED

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Abundance Ion 56.00 (55.70 to 56.70): VN050983.D (-534) (-)



#14

Allyl chloride

Concen: 19.34 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

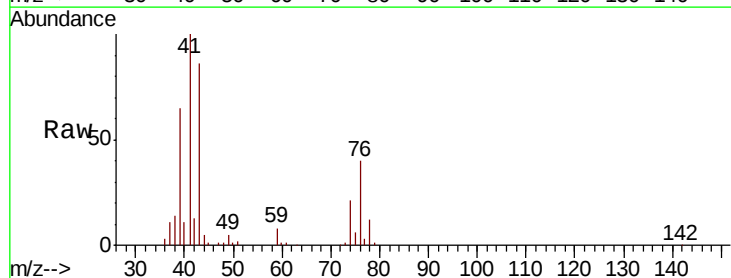
Tgt Ion: 41 Resp: 173501

Ion Ratio Lower Upper

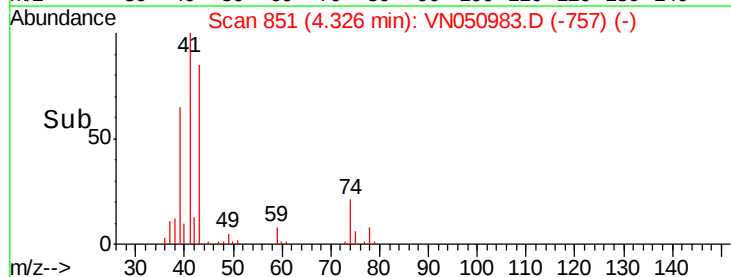
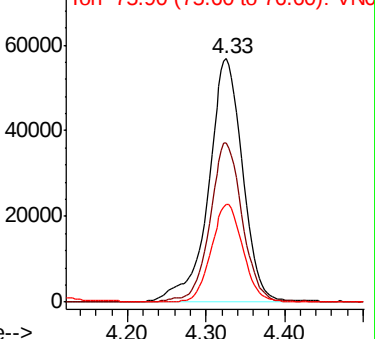
41 100

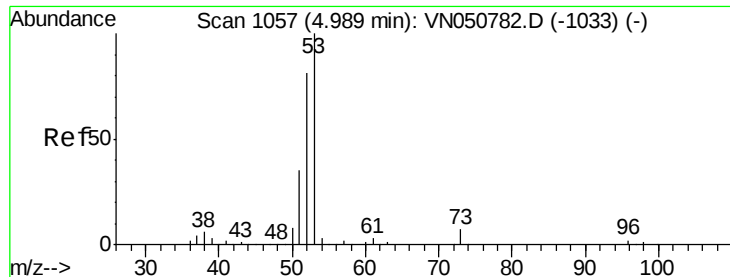
39 62.2 50.2 75.2

76 37.5 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VN050983.D (-757) (-)





#15

Acrylonitrile

Concen: 106.80 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

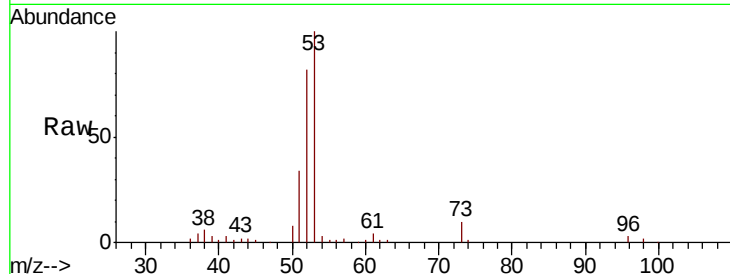
ClientSampleId :

VN0831MBS01

Tot Ion:	53	Resp:	213289
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.9	98.9
51	36.5	28.6	43.0

Manual Integrations
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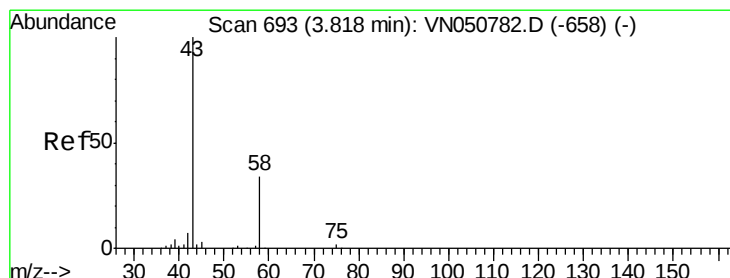
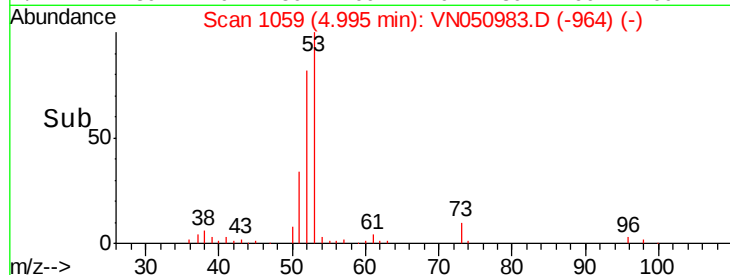
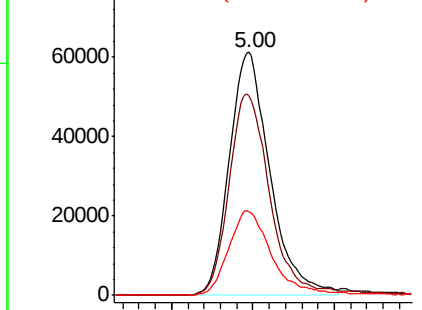


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 96.04 ug/l

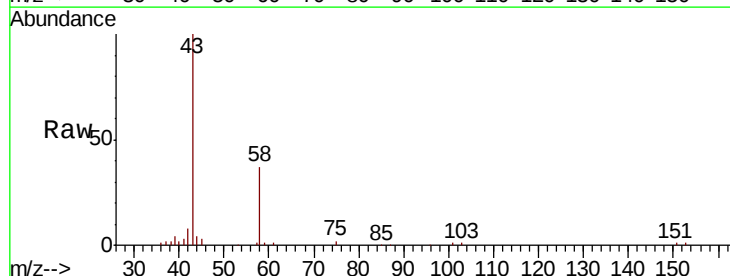
RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

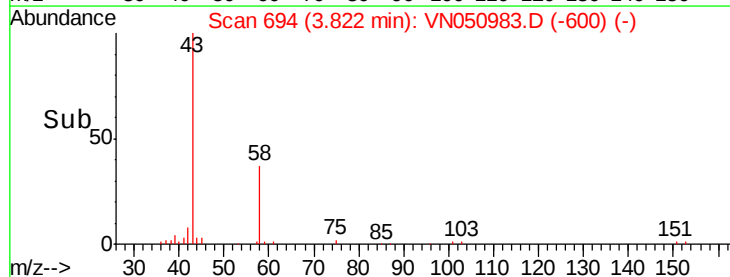
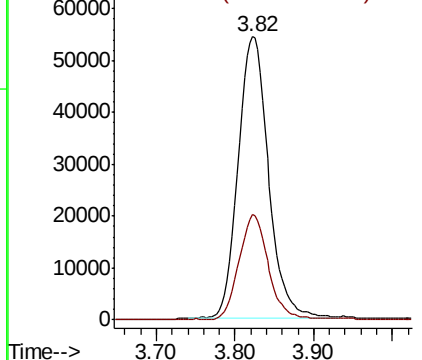
Tgt Ion:	43	Resp:	146707
Ion	Ratio	Lower	Upper
43	100		
58	37.3	27.2	40.8

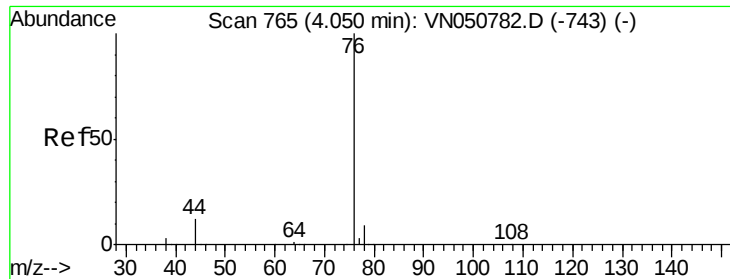


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





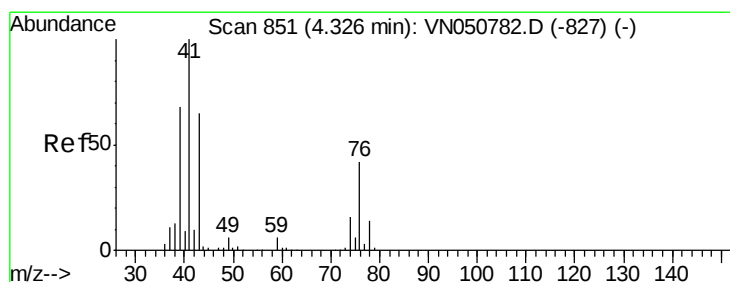
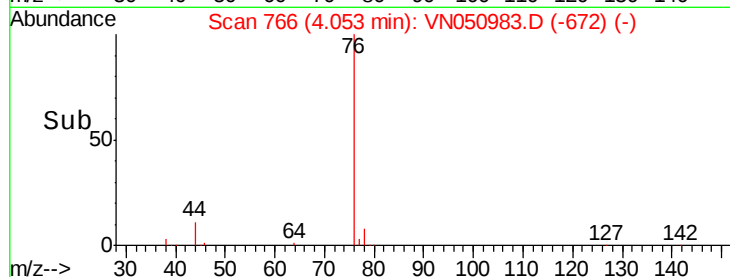
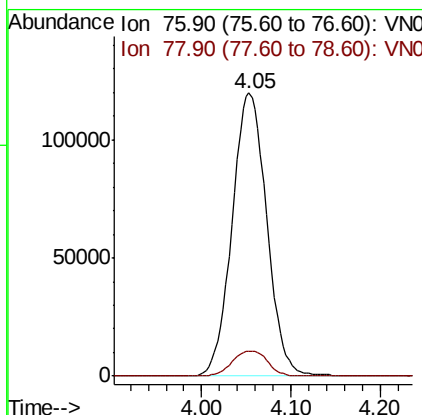
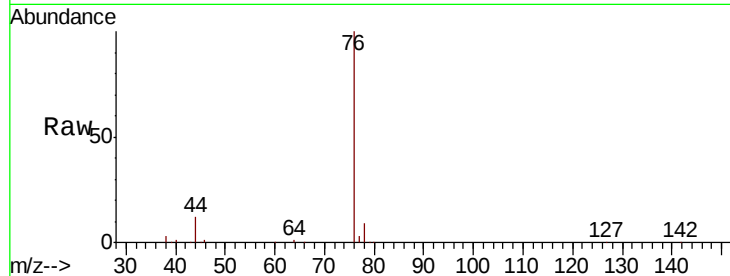
#17
Carbon Disulfide
Concen: 16.72 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

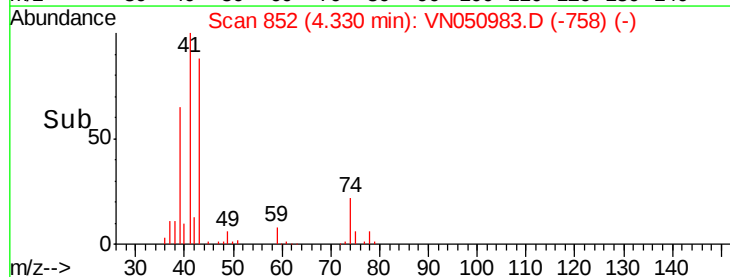
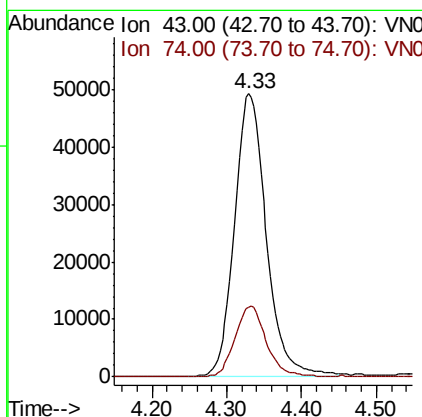
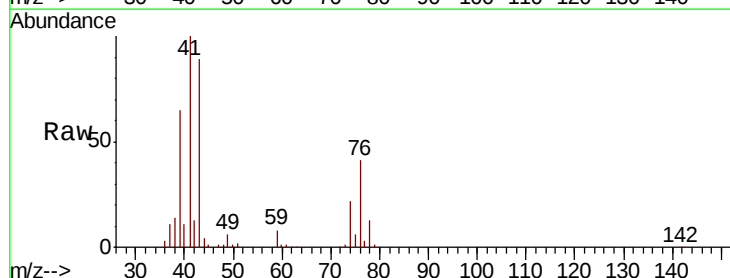
Manual Integrations
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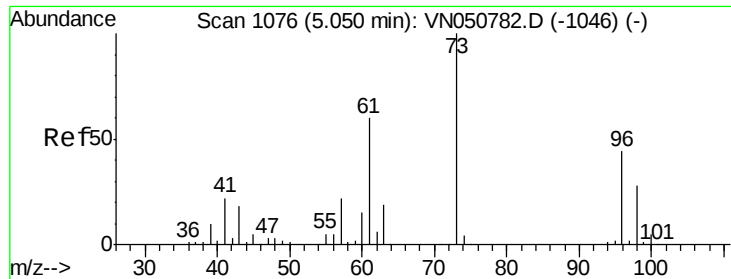
MMDadoda
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#18
Methyl Acetate
Concen: 25.10 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.8	29.8





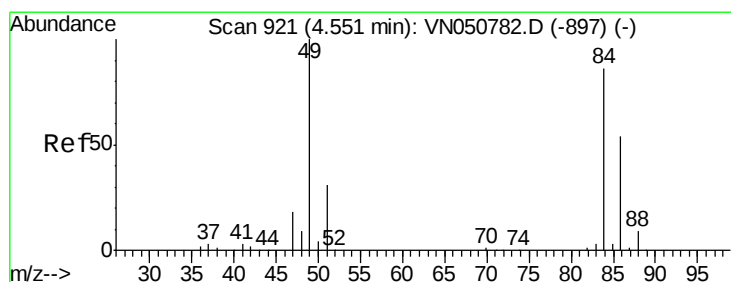
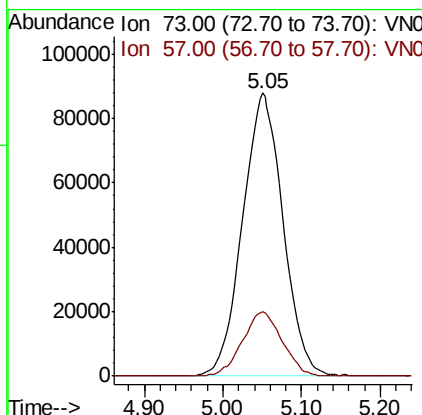
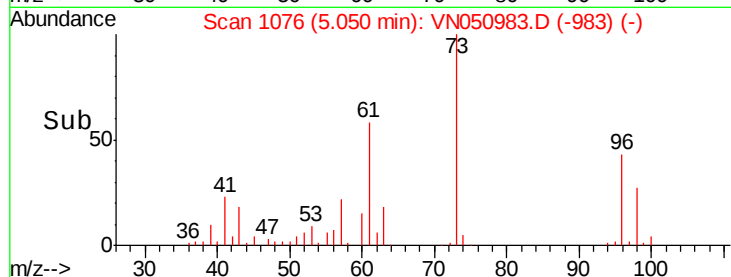
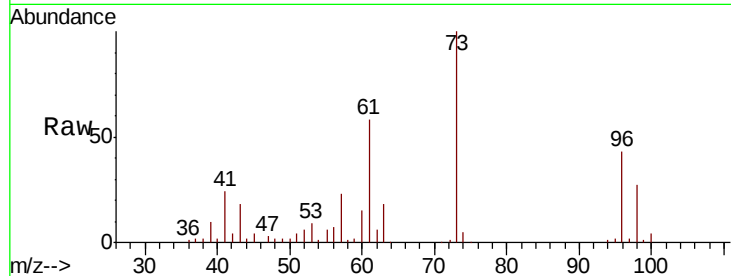
#19
Methyl tert-butyl Ether
Concen: 21.93 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion: 73 Resp: 317544
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8

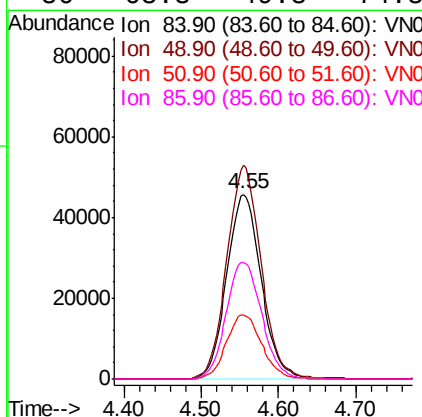
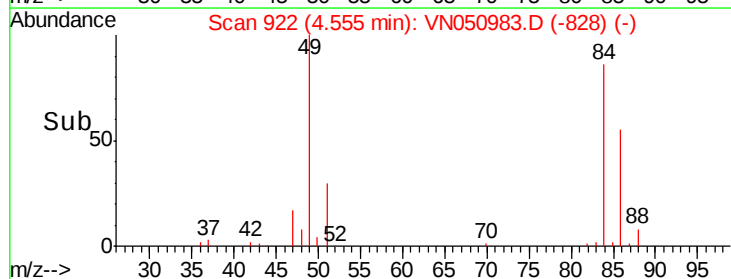
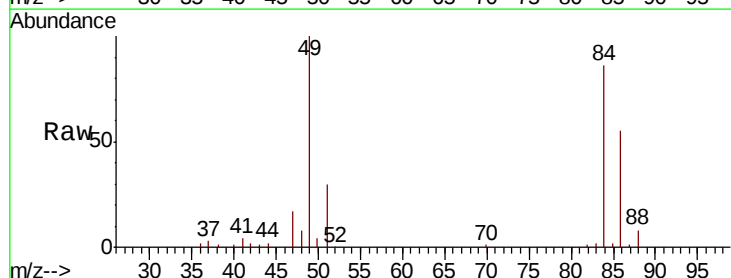
Manual Integrations
APPROVED

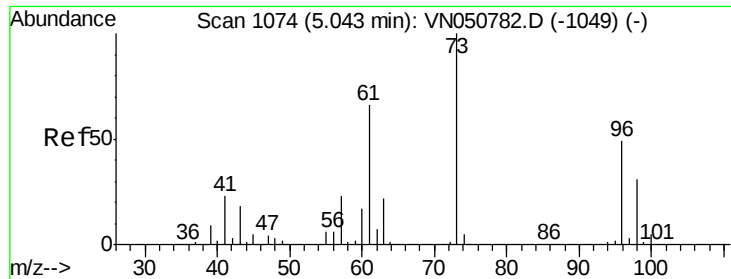
MMDadoda
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#20
Methylene Chloride
Concen: 20.37 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 84 Resp: 141664
Ion Ratio Lower Upper
84 100
49 115.7 93.2 139.8
51 34.6 29.0 43.6
86 63.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.33 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

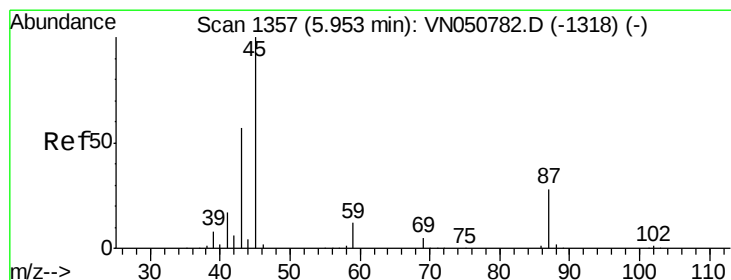
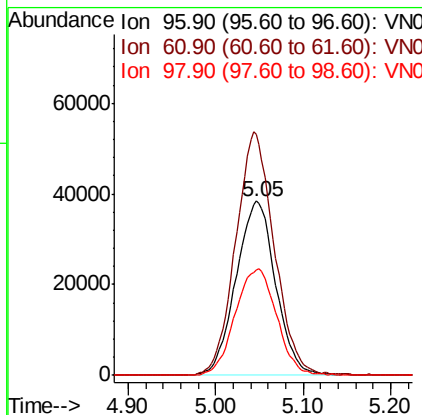
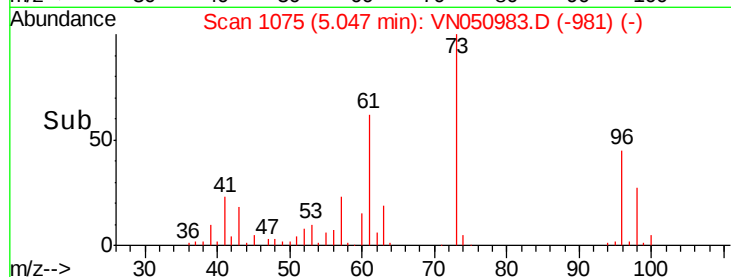
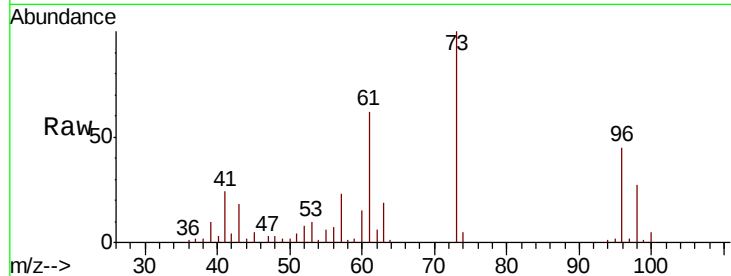
ClientSampled :

VN0831MBS01

Tot Ion:	96	Resp:	120396
Ion	Ratio	Lower	Upper
96	100		
61	138.3	107.4	161.0
98	60.9	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.15 ug/l

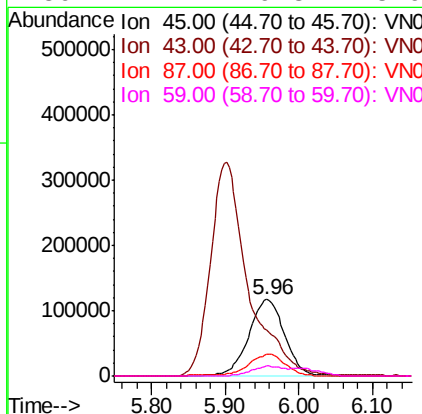
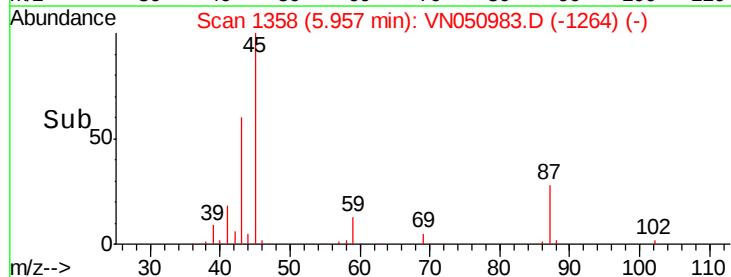
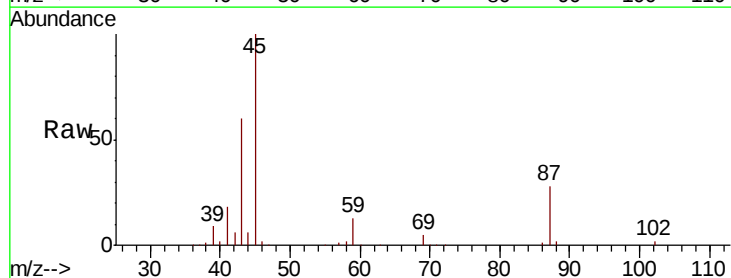
RT: 5.96 min Scan# 1358

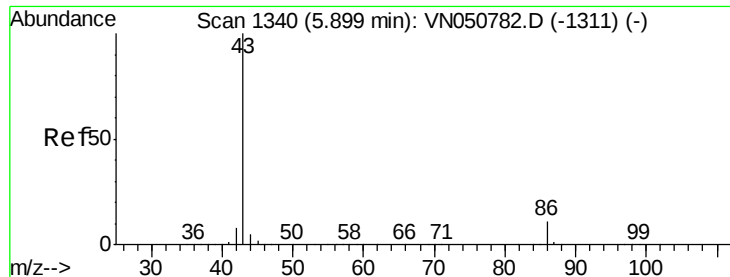
Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion:	45	Resp:	395943
Ion	Ratio	Lower	Upper
45	100		
43	58.3	45.9	68.9
87	28.0	22.7	34.1
59	12.4	9.3	13.9





#23

Vinyl Acetate

Concen: 101.26 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 43 Resp: 1165922

Ion Ratio Lower Upper

43 100

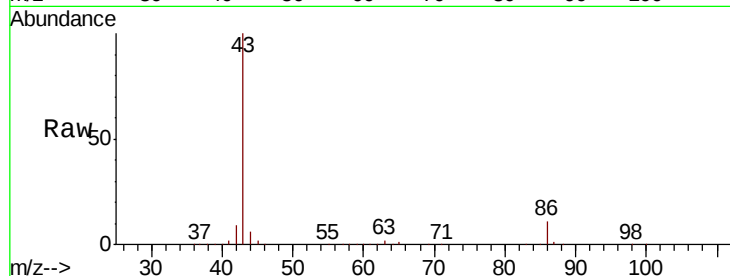
86 10.9 8.7 13.1

Manual Integrations

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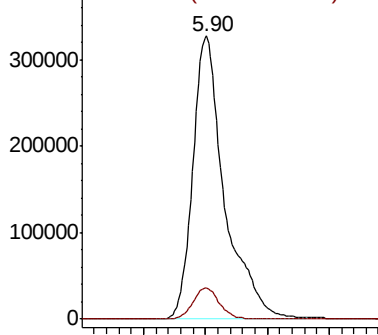
MMDadoda

9/4/2018 12:27:59 PM

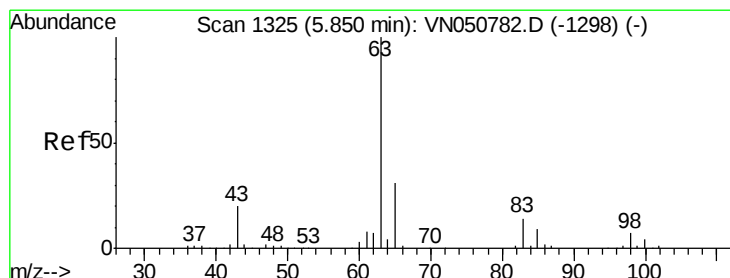
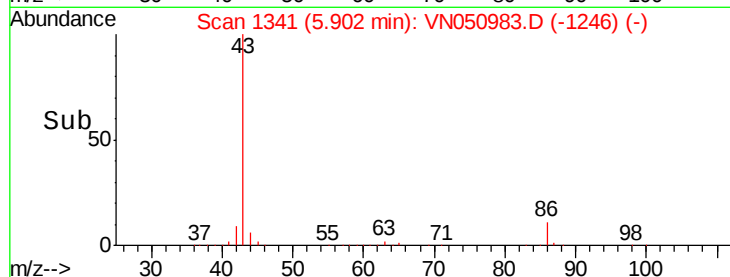


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.49 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

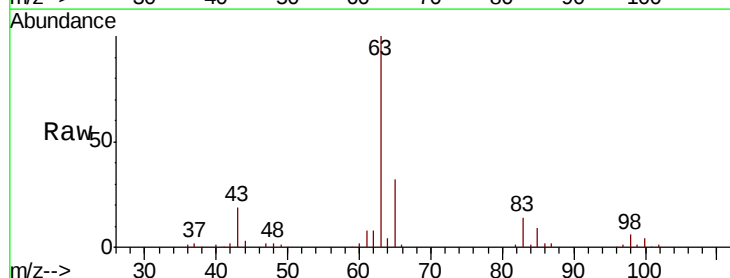
Tgt Ion: 63 Resp: 235173

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

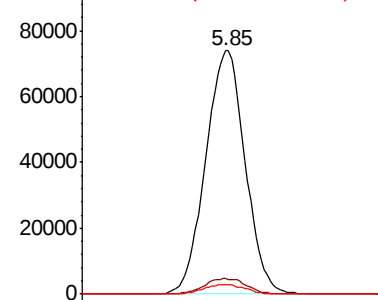
100 4.0 2.1 6.5



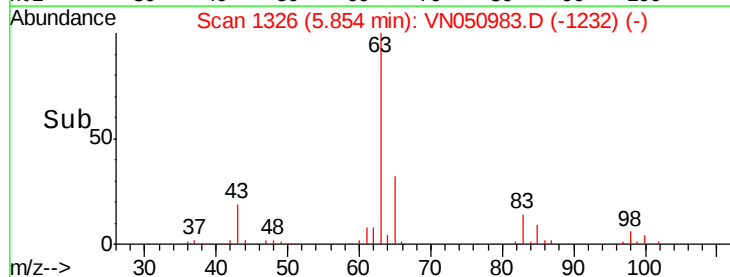
Abundance Ion 62.90 (62.60 to 63.60): VN0

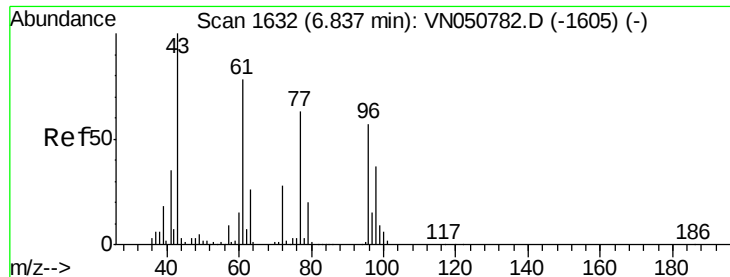
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





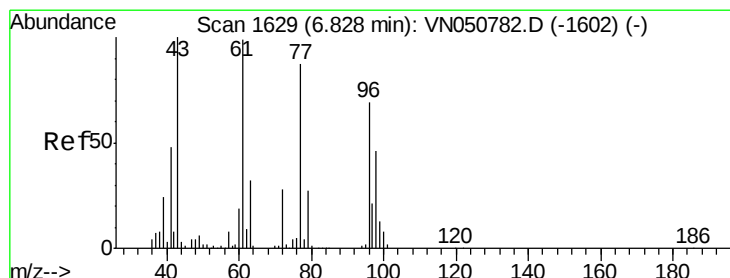
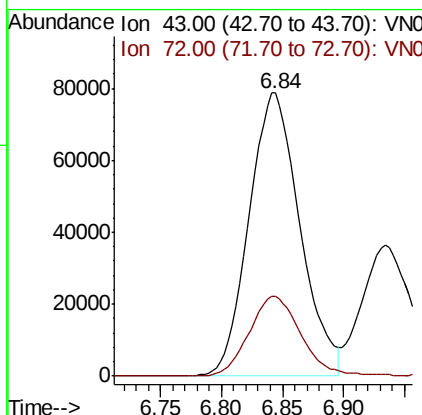
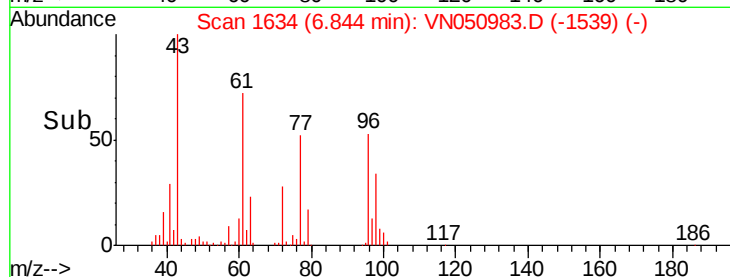
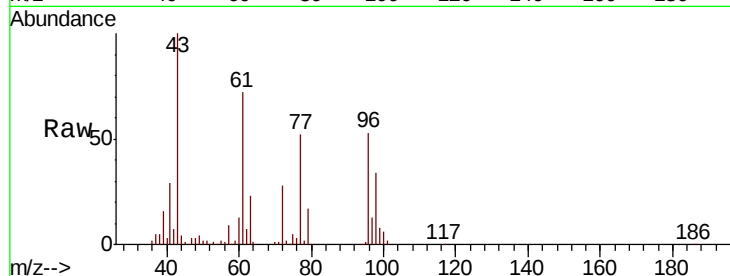
#25
2-Butanone
Concen: 91.36 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion: 43 Resp: 227204
Ion Ratio Lower Upper
43 100
72 28.3 22.3 33.5

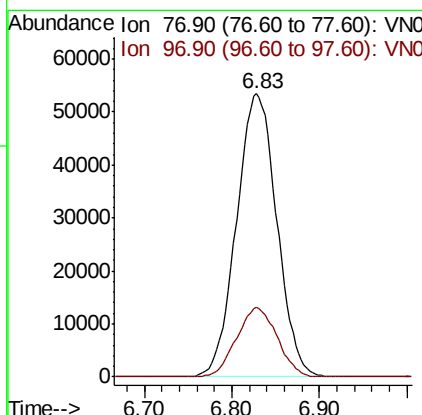
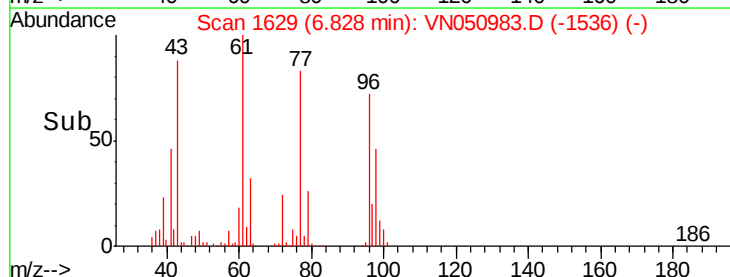
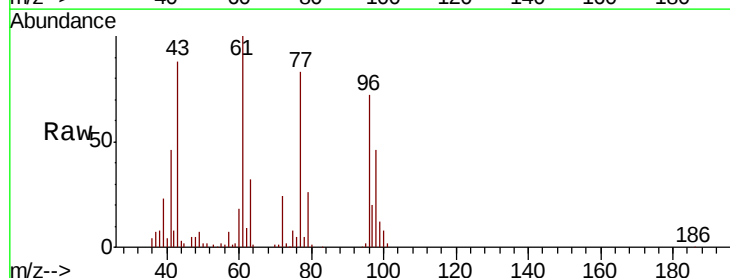
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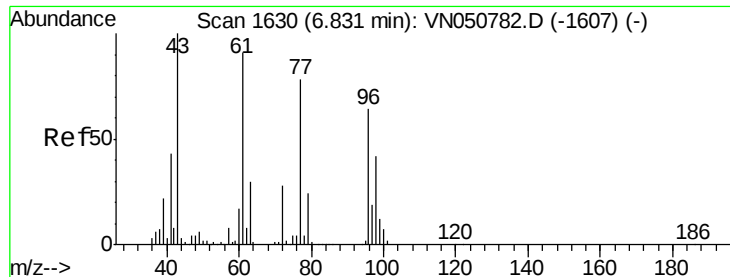
MMDadoda
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#26
2,2-Dichloropropane
Concen: 18.52 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 77 Resp: 170819
Ion Ratio Lower Upper
77 100
97 24.5 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 21.07 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

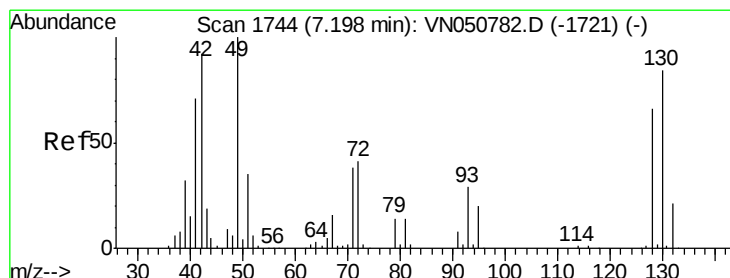
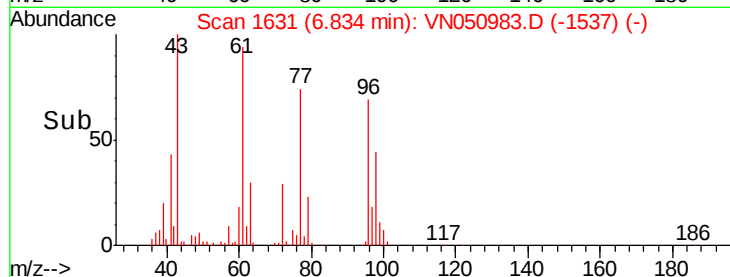
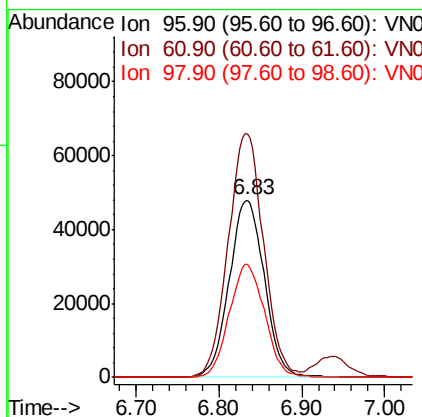
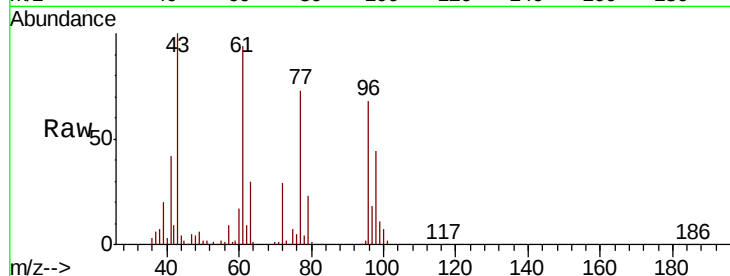
ClientSampleId :

VN0831MBS01

Tot Ion:	96	Resp:	141463
Ion	Ratio	Lower	Upper
96	100		
61	138.6	0.0	283.4
98	64.1	0.0	129.8

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#28

Bromochloromethane

Concen: 21.56 ug/l

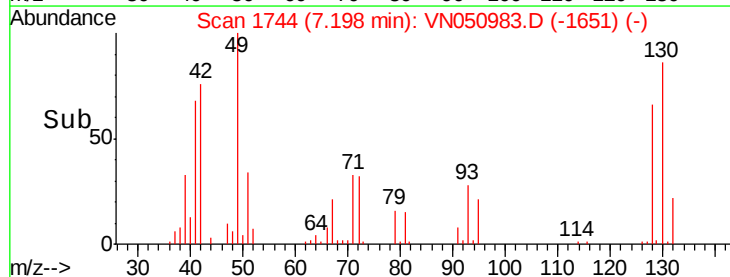
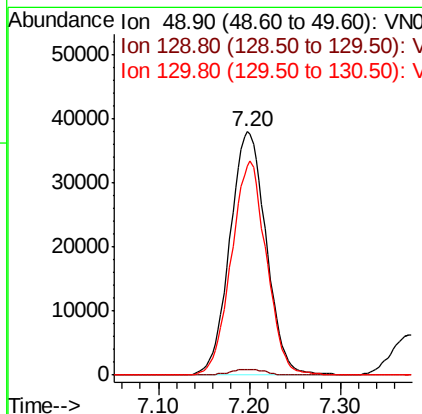
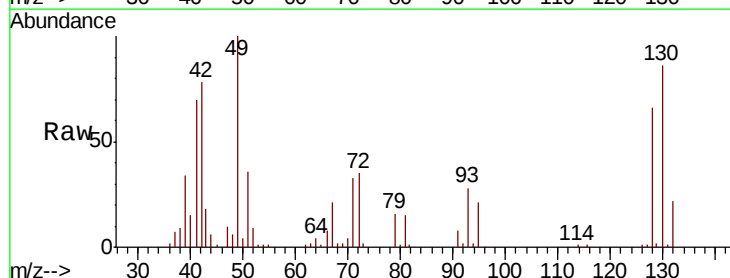
RT: 7.20 min Scan# 1744

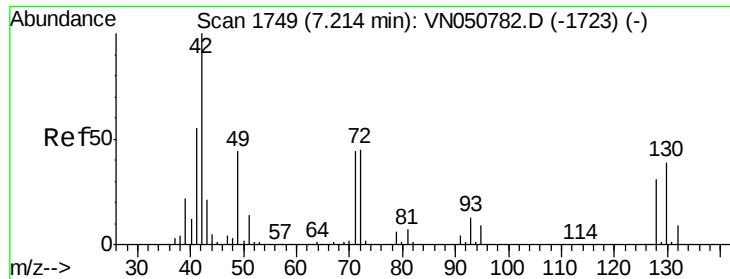
Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion:	49	Resp:	105157
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.9	67.1	100.7





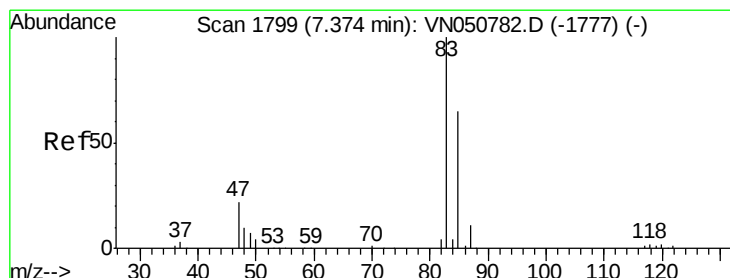
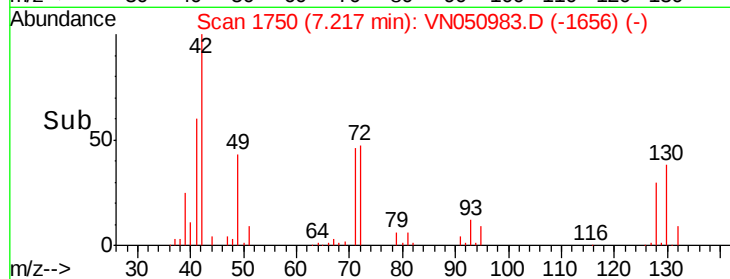
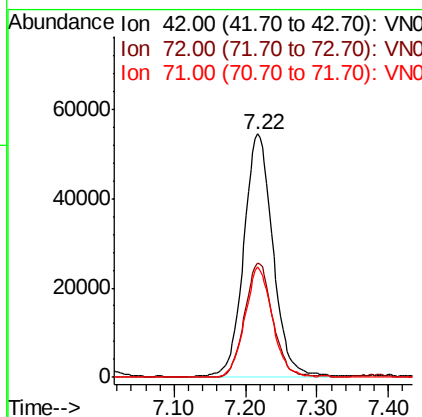
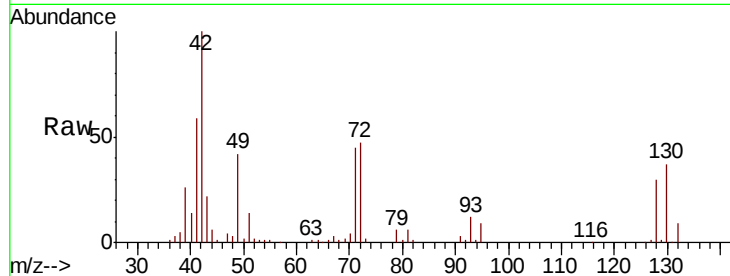
#29
Tetrahydrofuran
Concen: 109.43 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.5	53.3
71	42.3	33.7	50.5

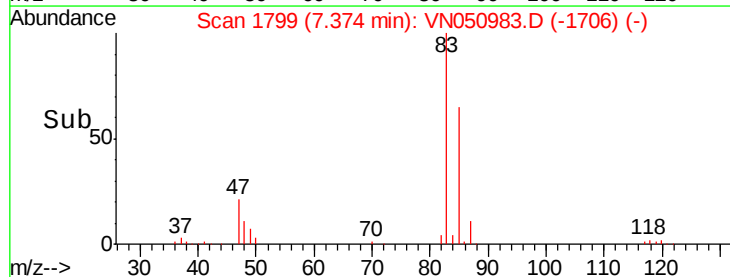
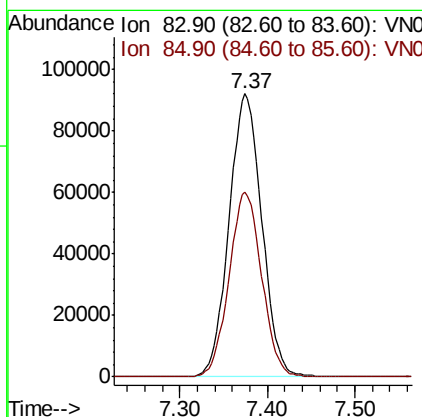
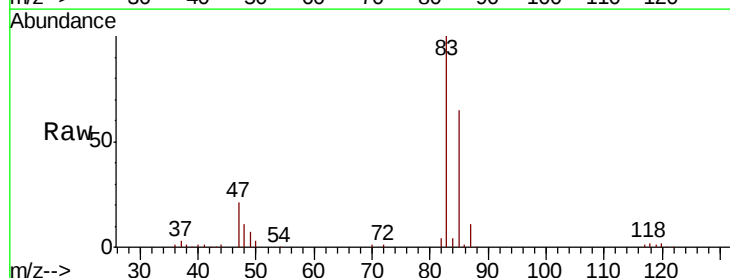
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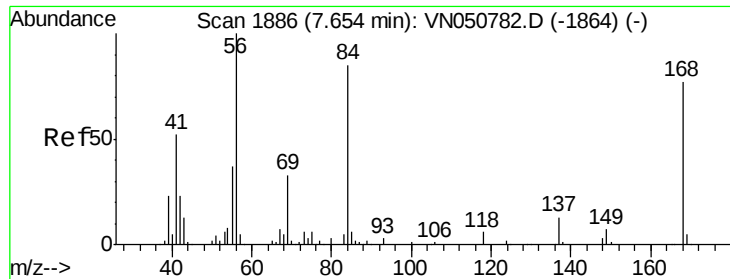
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#30
Chloroform
Concen: 21.08 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4





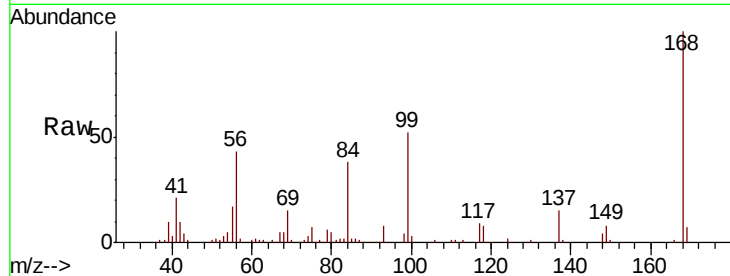
#31
Cyclohexane
Concen: 18.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

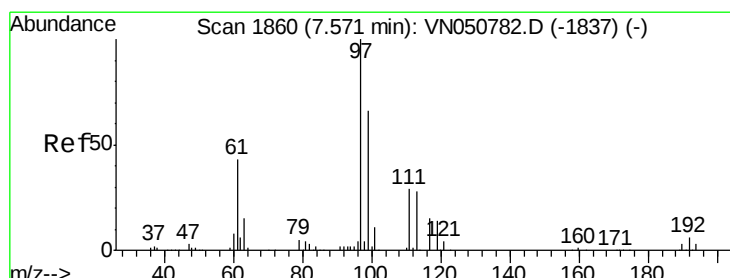
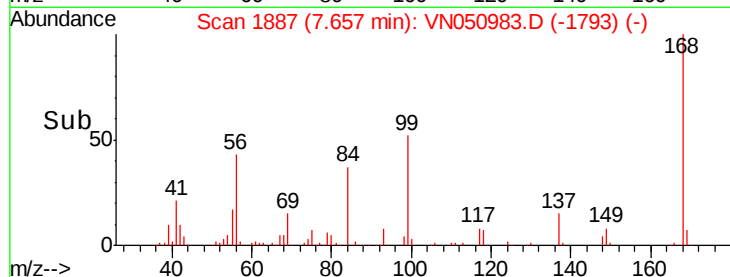
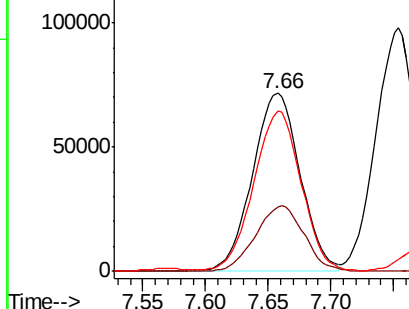
Tot Ion	Ratio	Resp	Lower	Upper
56	100	190389		
69	36.1		26.2	39.4
84	88.5		68.3	102.5

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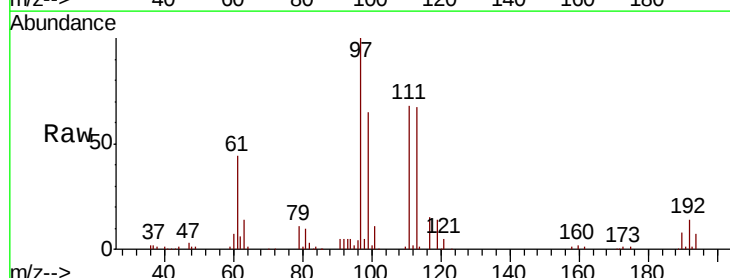


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

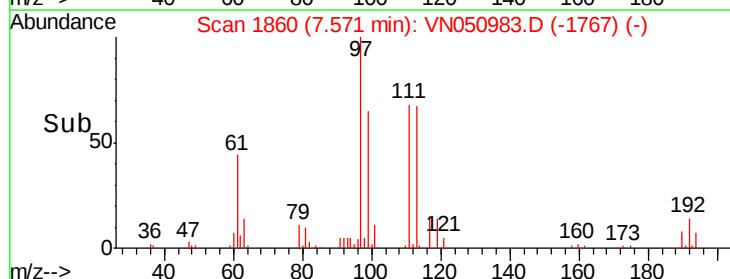
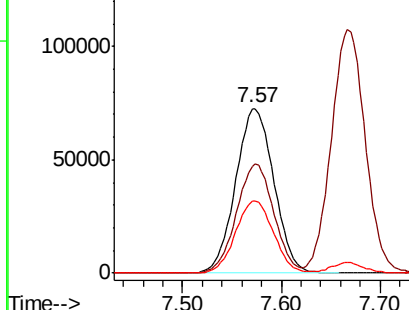


#32
1,1,1-Trichloroethane
Concen: 20.02 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	195437		
99	64.3		51.8	77.6
61	43.4		34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





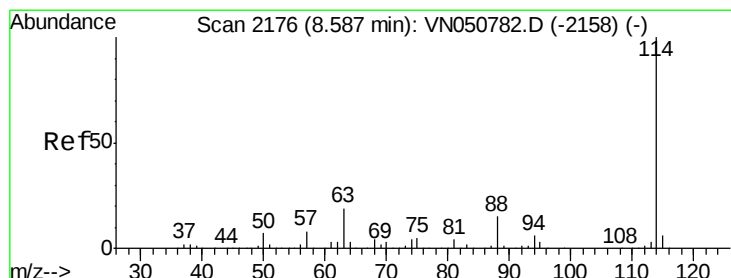
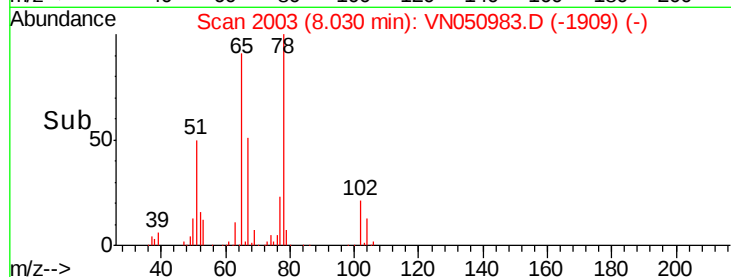
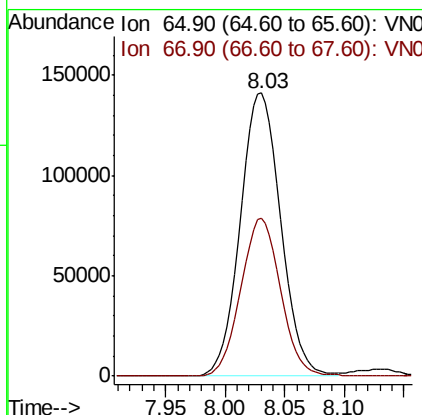
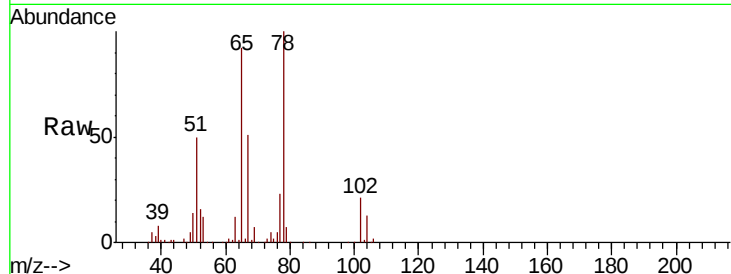
#33
 1,2-Dichloroethane-d4
 Concen: 53.95 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	110.4	

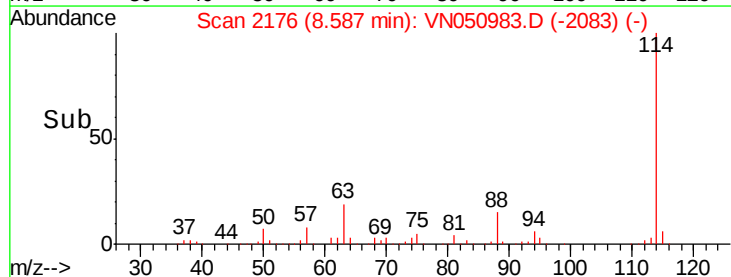
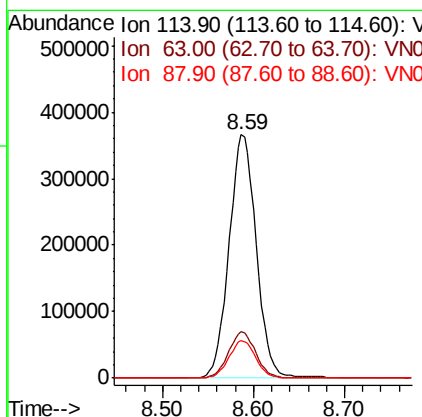
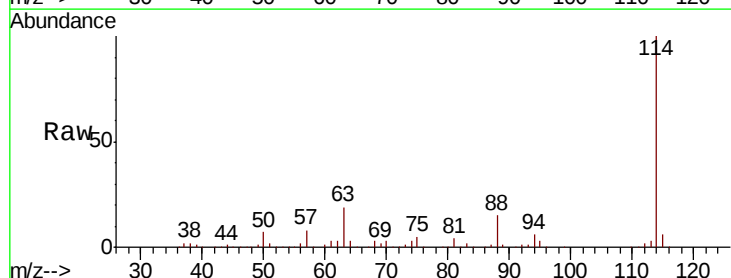
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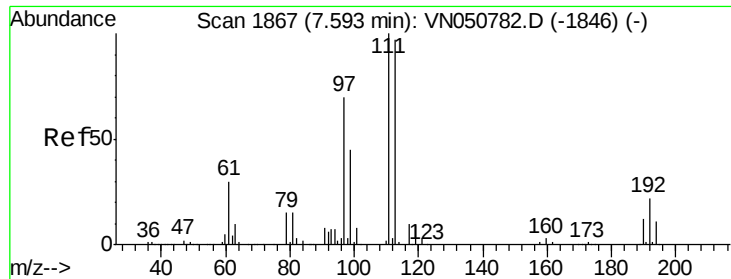
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.4	0.0	30.6	





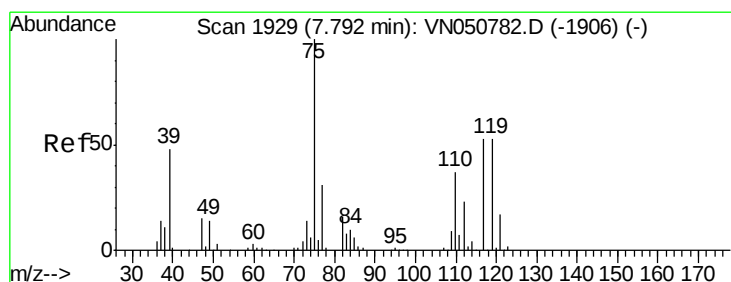
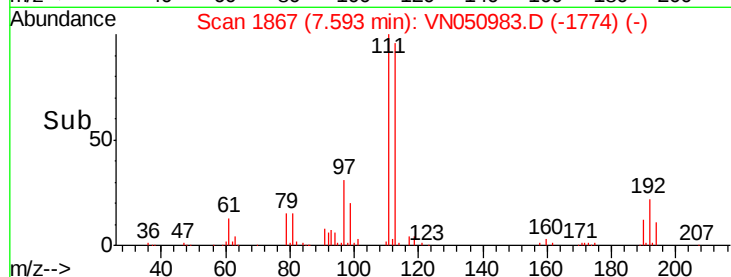
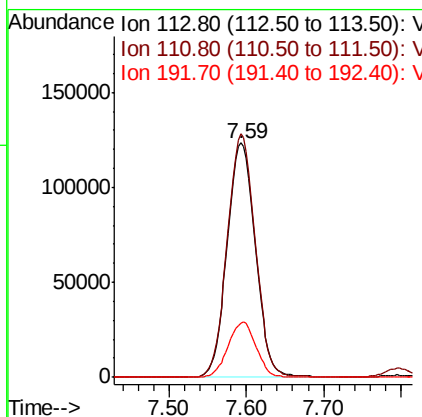
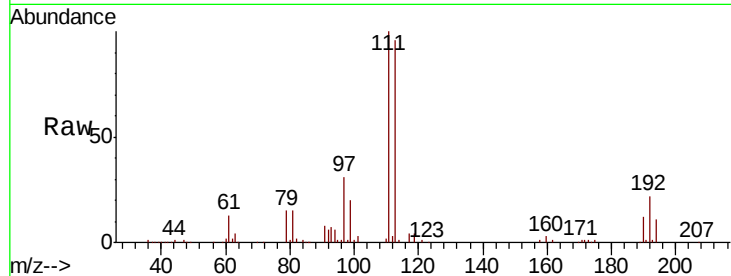
#35
 Dibromofluoromethane
 Concen: 51.82 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	82.6	123.8	
192	23.2	18.0	27.0	

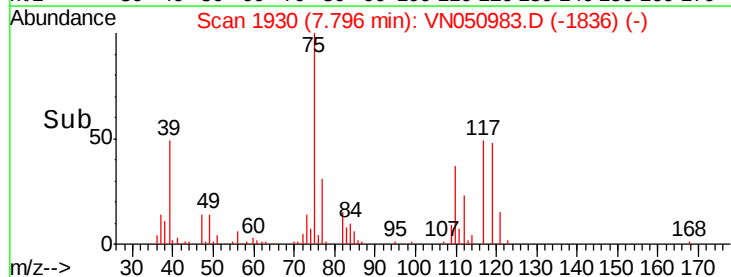
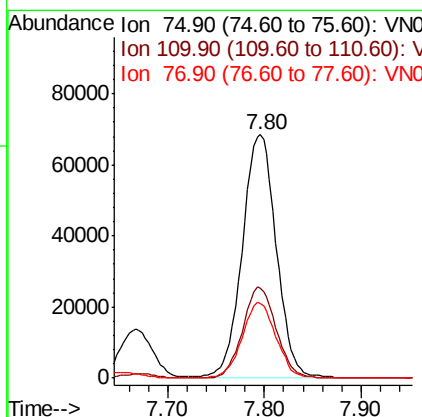
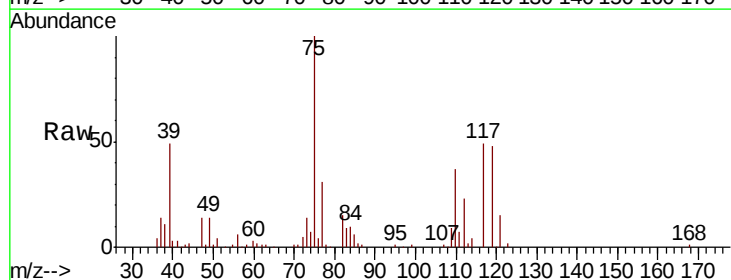
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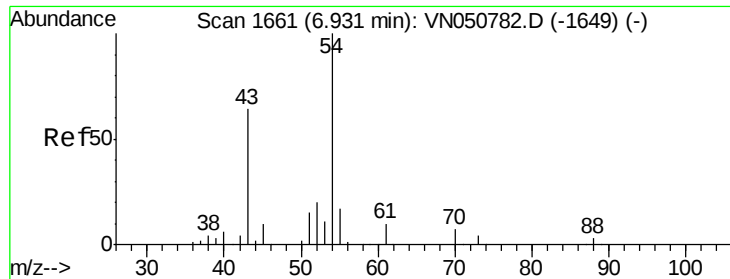
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#36
 1,1-Dichloropropene
 Concen: 18.55 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.0	18.1	54.4	
77	31.2	24.8	37.2	





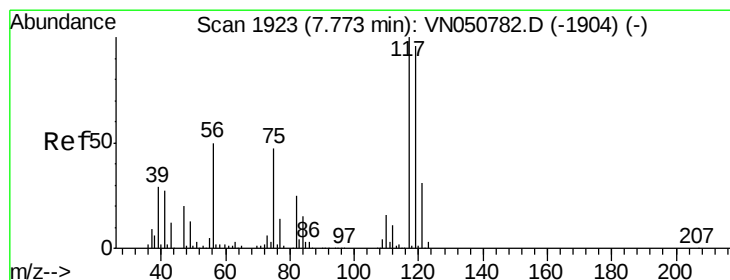
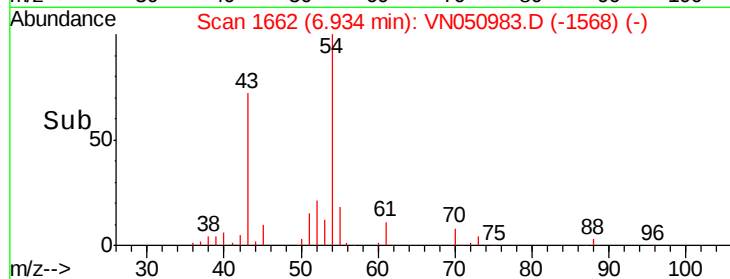
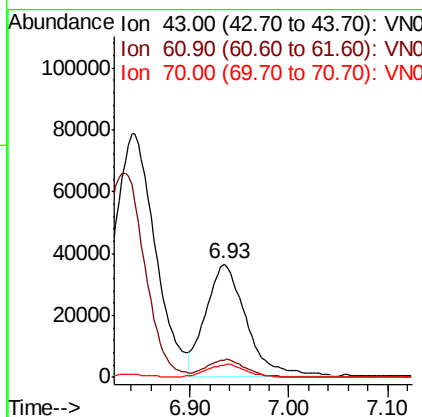
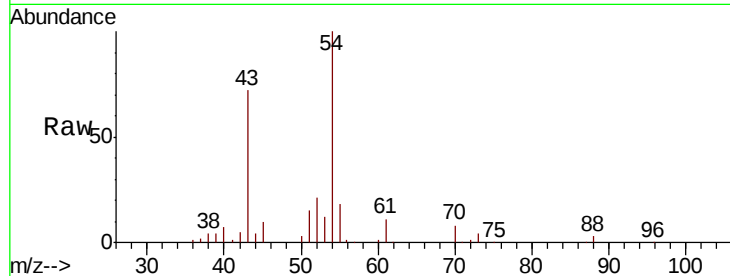
#37
Ethyl Acetate
Concen: 20.12 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	43	61	70
Ion Ratio	100	16.2	11.2
Lower		12.0	8.6
Upper		18.0	13.0

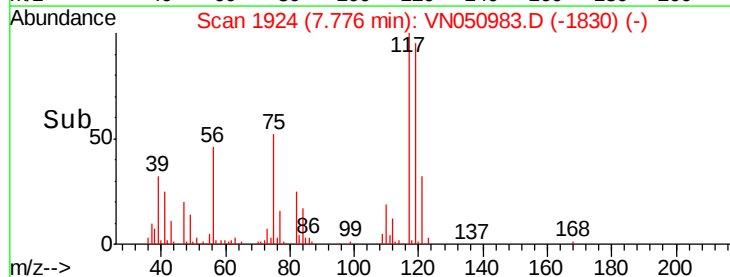
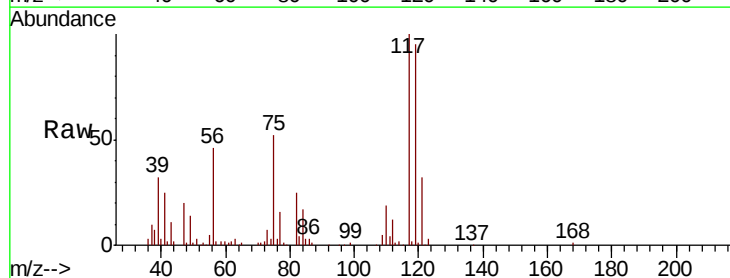
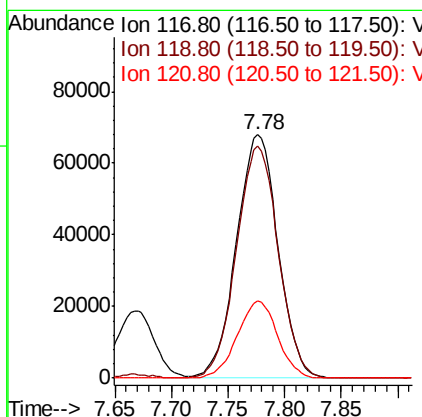
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#38
Carbon Tetrachloride
Concen: 19.19 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	117	119	121
Ion Ratio	100	95.3	31.8
Lower		76.3	24.6
Upper		114.5	36.8





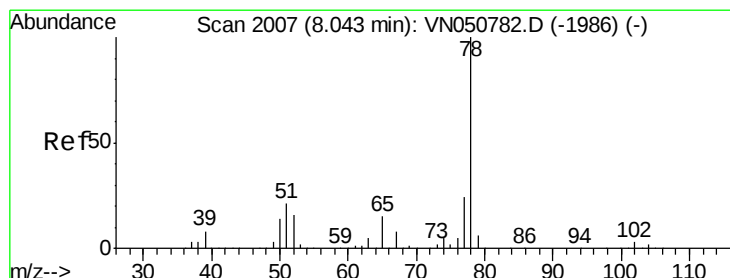
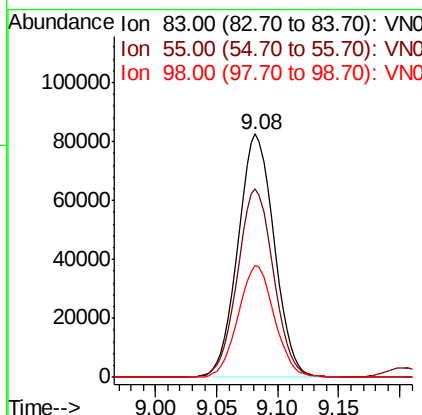
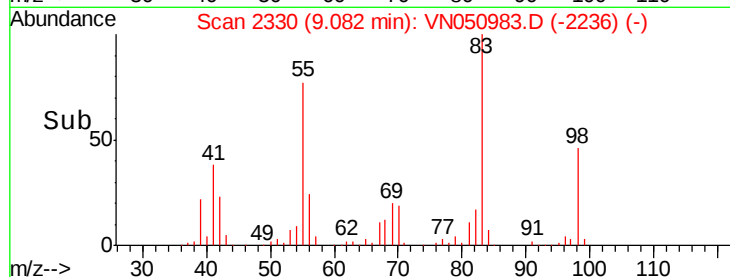
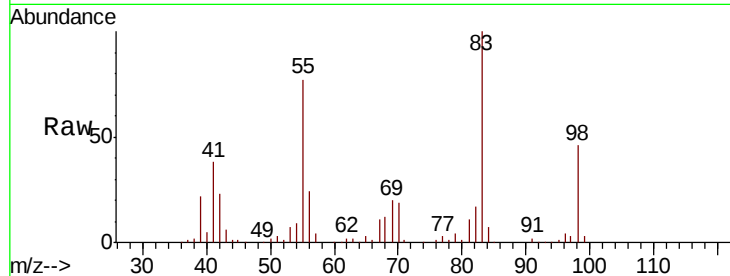
#39
Methvlcvclohexane
Concen: 17.52 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.0	91.4
98	45.7	37.5	56.3

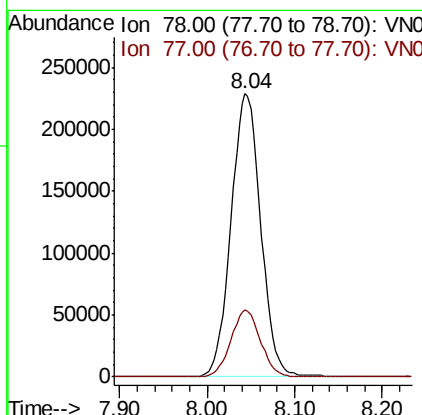
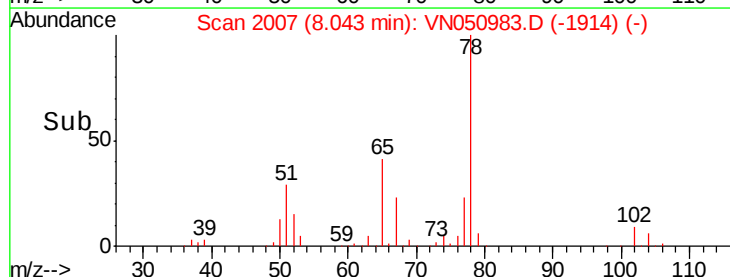
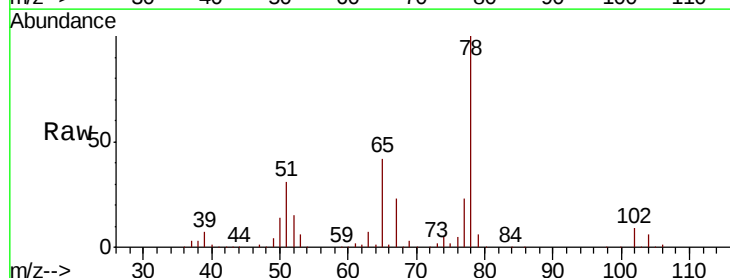
Manual Integrations
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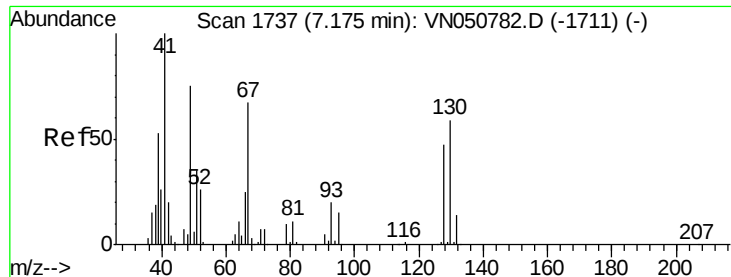
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#40
Benzene
Concen: 19.95 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





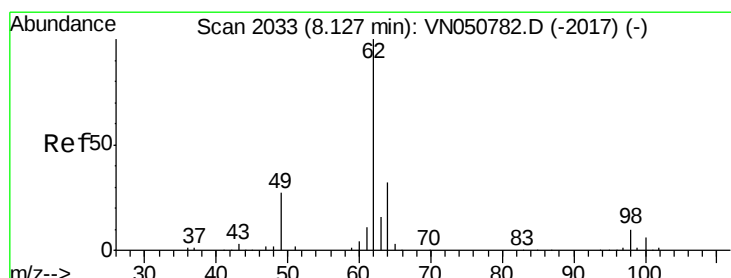
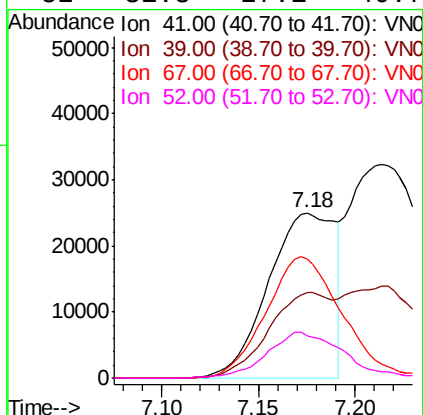
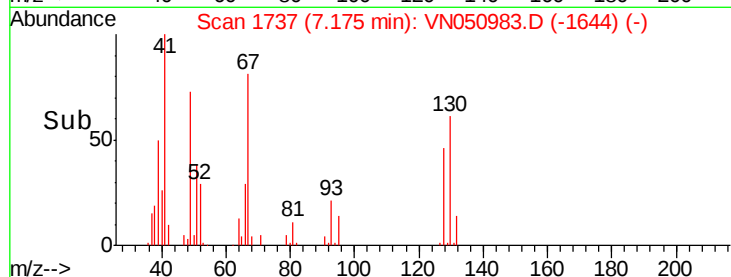
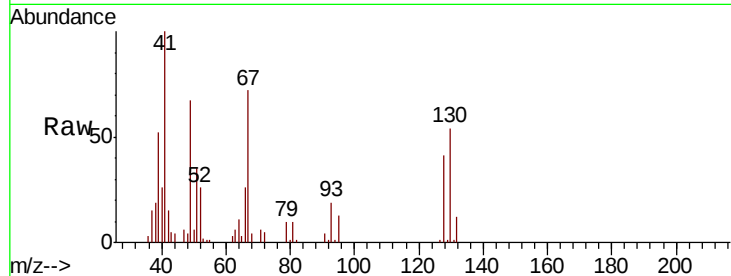
#41
Methacrylonitrile
Concen: 21.67 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	41	Resp	60329
Ion	Ratio	Lower	Upper
41	100		
39	47.4	45.4	68.0
67	83.8	70.6	106.0
52	31.8	27.1	40.7

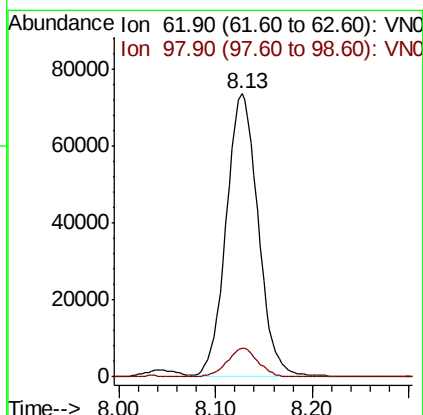
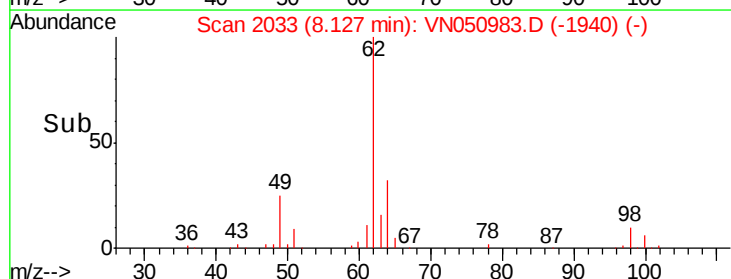
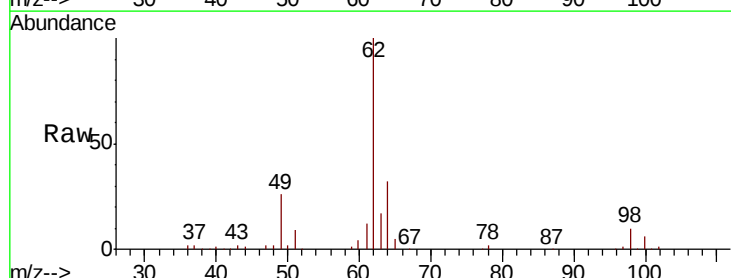
Manual Integrations
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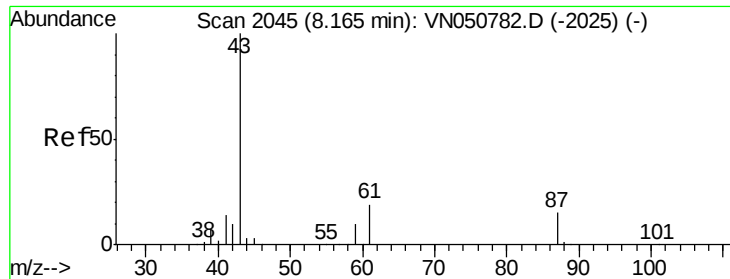
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.92 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	62	Resp	168971
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6





#43

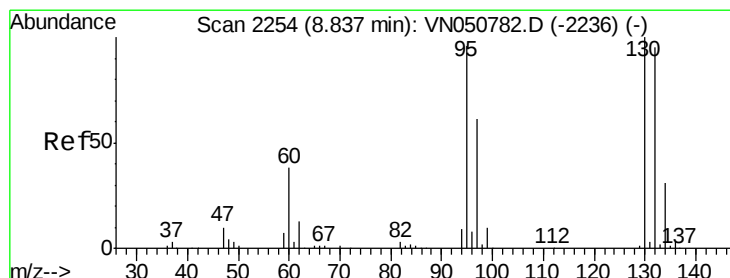
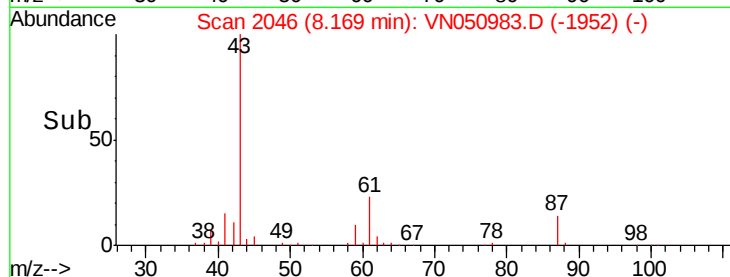
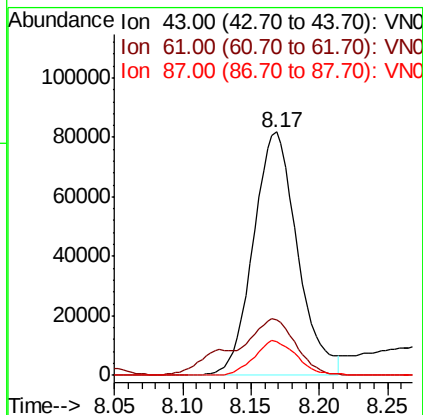
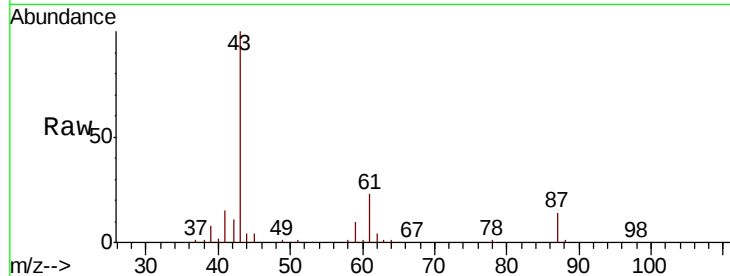
Isopropyl Acetate
 Concen: 20.76 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.1	17.5	26.3
87	13.7	11.3	16.9

Manual Integrations
 APPROVED

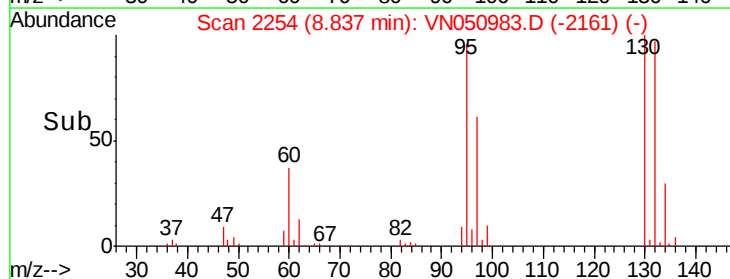
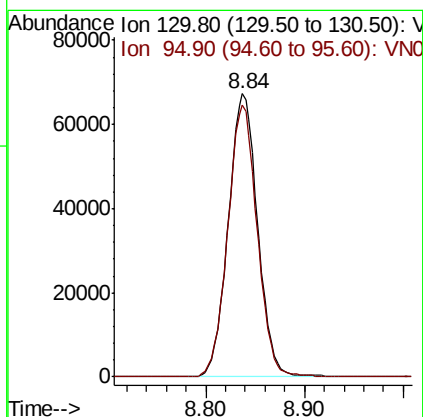
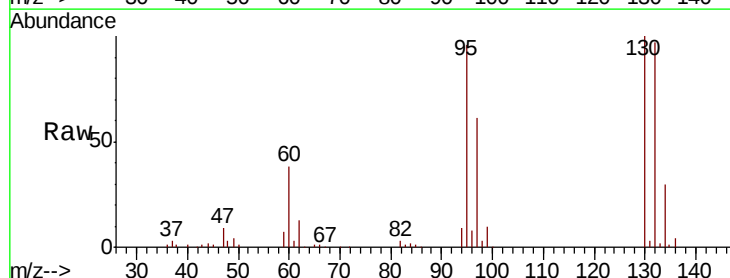
MMDadoda
 9/4/2018 12:27:59 PM

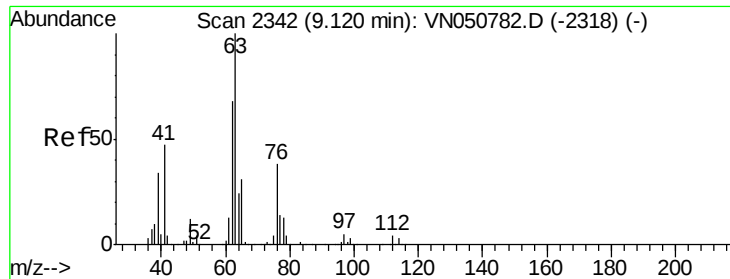


#44

Trichloroethene
 Concen: 19.62 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	193.0





#45

1,2-Dichloropropane

Concen: 20.32 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 63 Resp: 144231

Ion Ratio Lower Upper

63 100

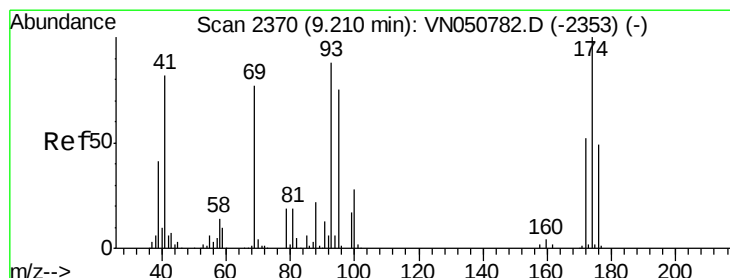
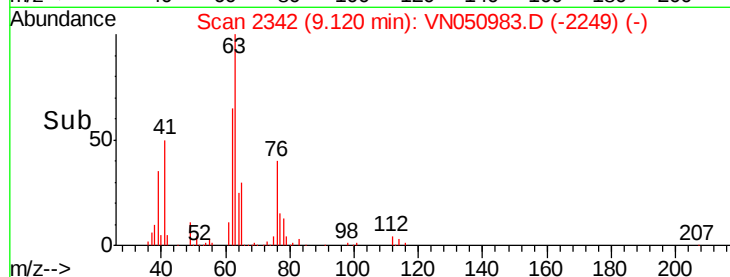
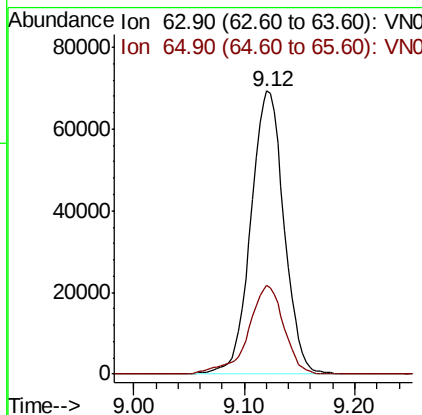
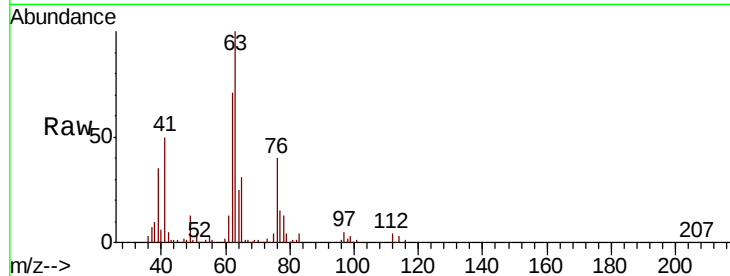
65 31.2 25.0 37.6

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 20.72 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

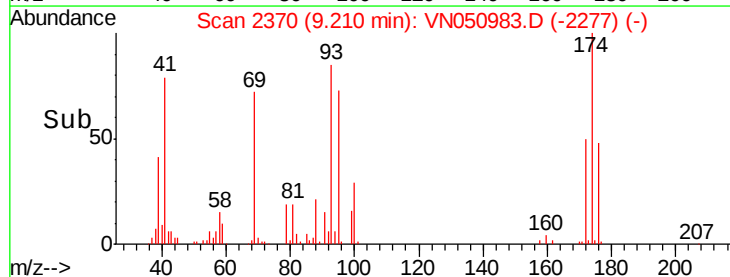
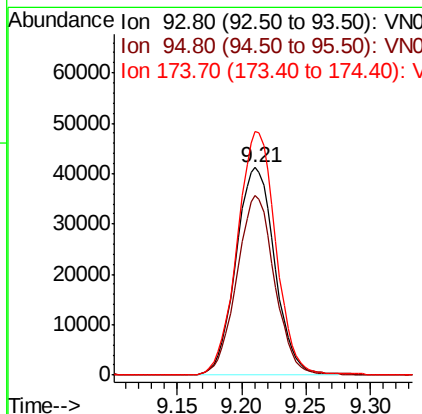
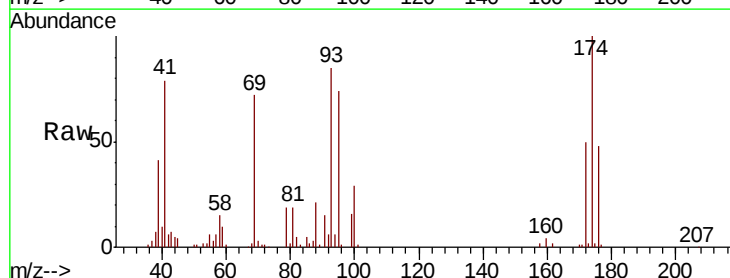
Tgt Ion: 93 Resp: 86433

Ion Ratio Lower Upper

93 100

95 84.1 66.7 100.1

174 116.6 89.8 134.6





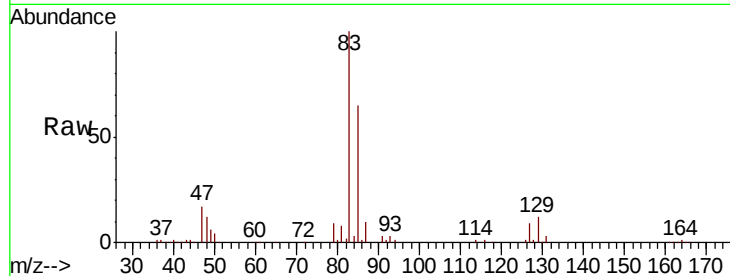
#47
Bromodichloromethane
Concen: 20.83 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	83	Resp	181974
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	52.6	78.8
127	9.1	7.2	10.8

Manual Integrations
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9/4/2018 12:27:59 PM

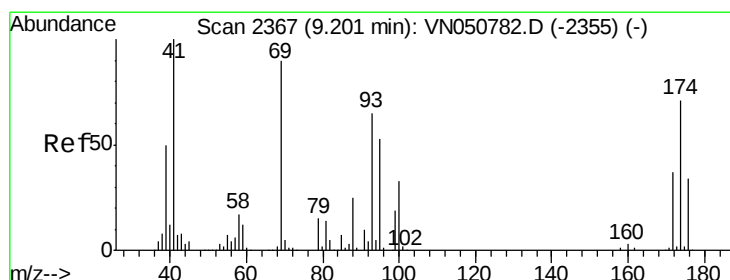
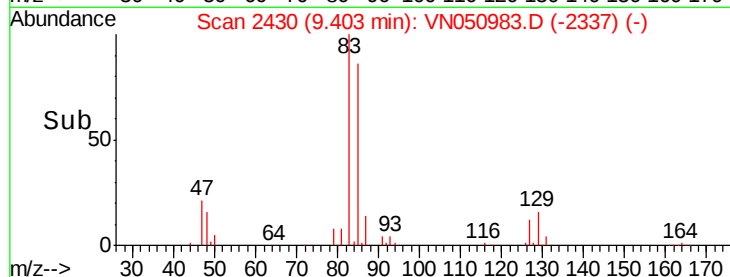
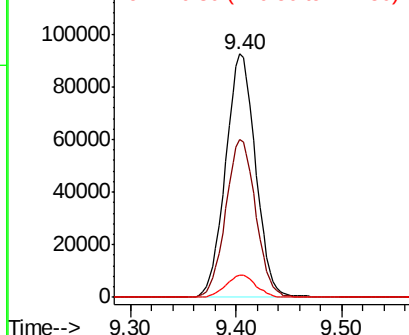


Abundance

Ion 82.90 (82.60 to 83.60): VN050983.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050983.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050983.D (-2337) (-)



#48
Methyl methacrylate
Concen: 20.63 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

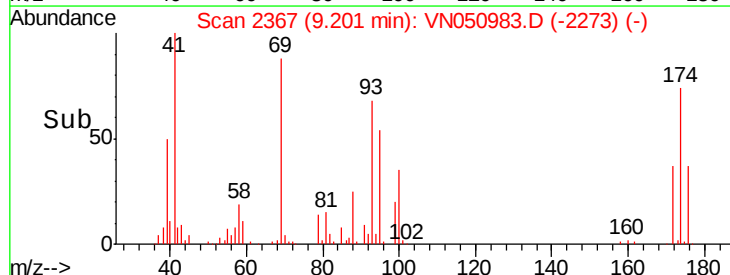
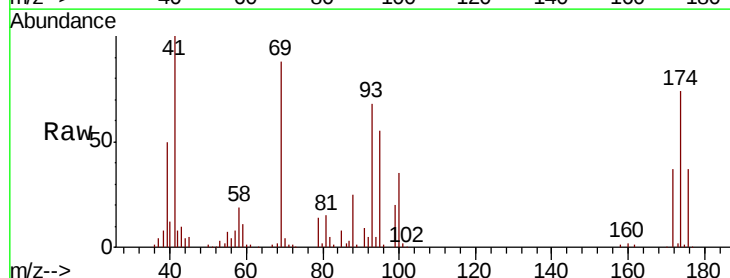
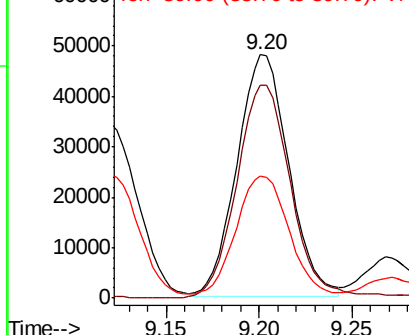
Tgt Ion	41	Resp	92993
Ion Ratio	100	Lower	Upper
41	100		
69	92.4	74.7	112.1
39	52.0	42.2	63.2

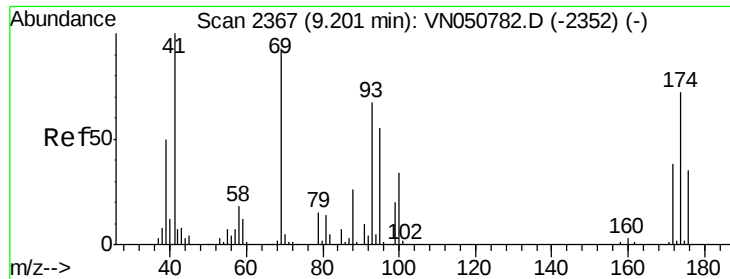
Abundance

Ion 41.00 (40.70 to 41.70): VN050983.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050983.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050983.D (-2273) (-)





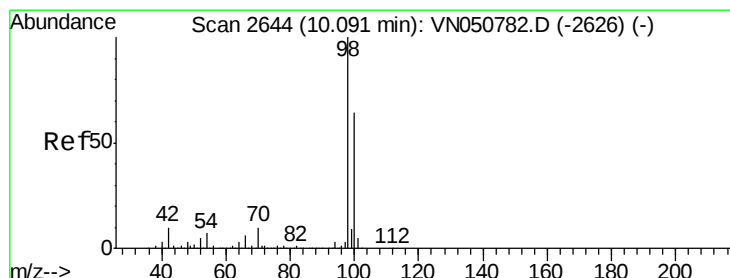
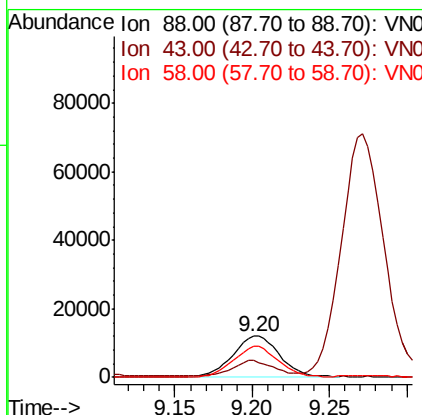
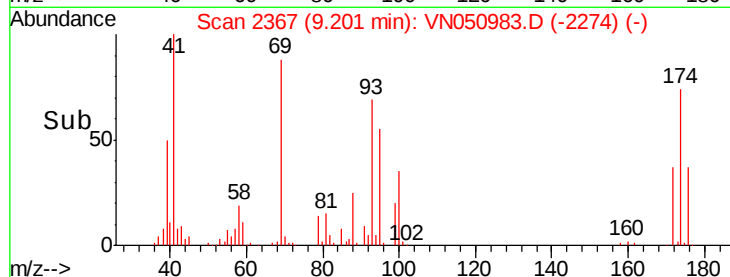
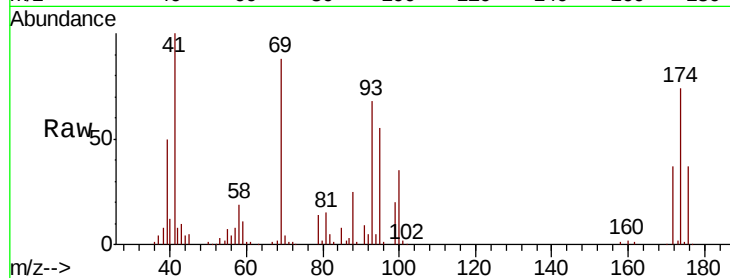
#49
1,4-Dioxane
Concen: 414.91 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.9	38.9
58	70.9	55.0	82.4

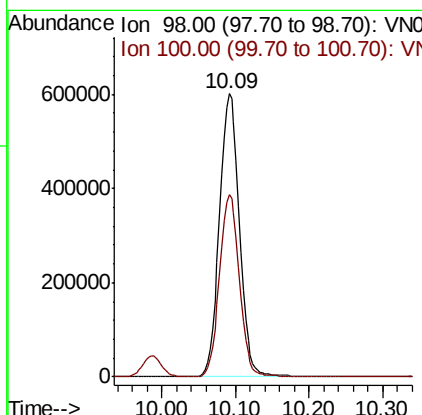
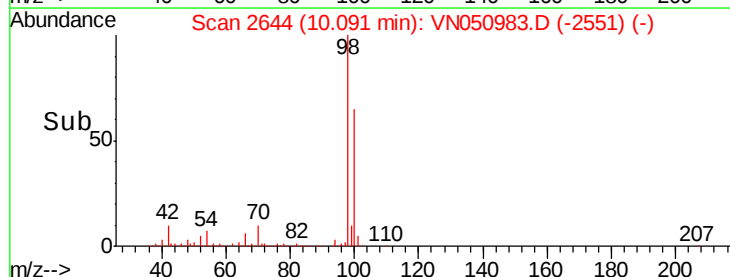
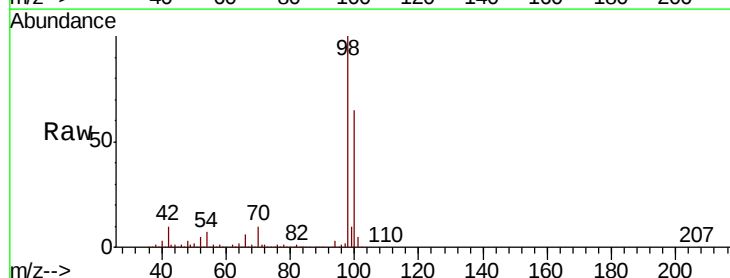
Manual Integrations
APPROVED

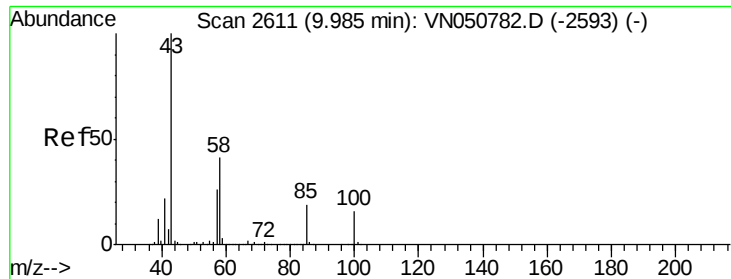
MMDadoda
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#50
Toluene-d8
Concen: 50.10 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 99.86 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

Tot Ion: 43 Resp: 527214

Ion Ratio Lower Upper

43 100

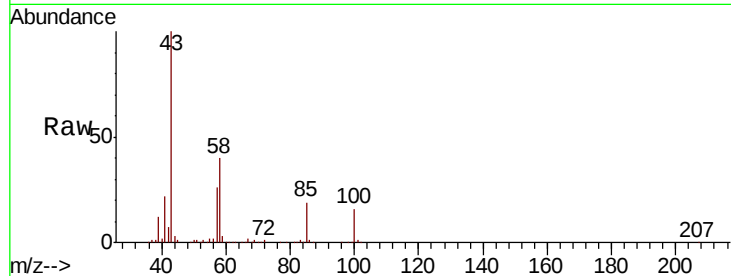
58 40.1 32.4 48.6

Manual Integrations

APPROVED

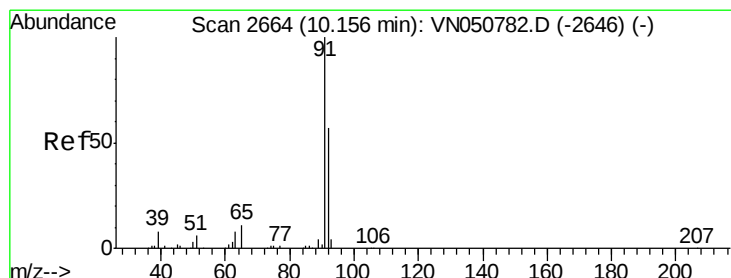
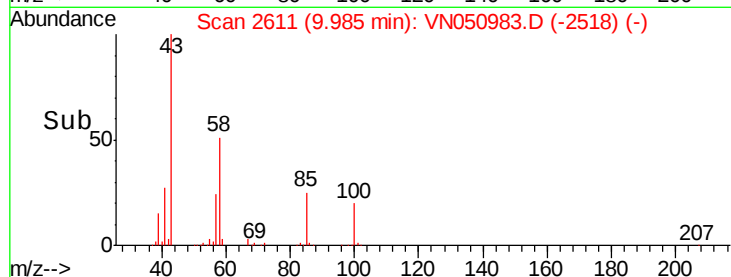
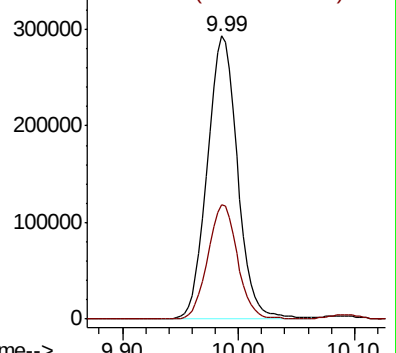
MMDadoda

9/4/2018 12:27:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.39 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050983.D

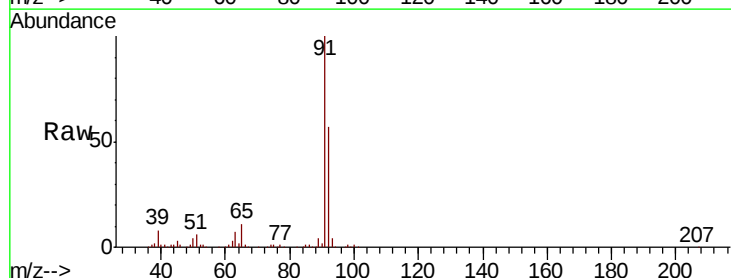
Acq: 31 Aug 2018 13:11

Tgt Ion: 92 Resp: 326313

Ion Ratio Lower Upper

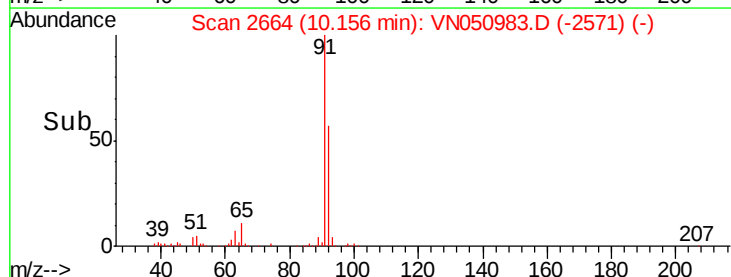
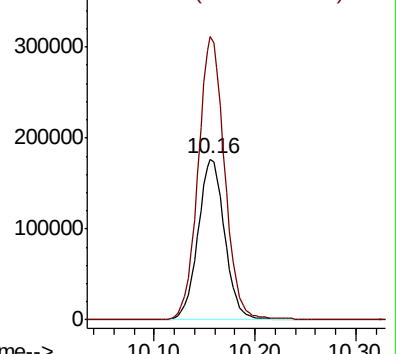
92 100

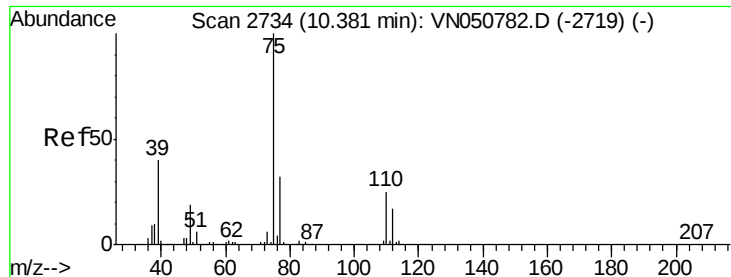
91 175.5 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.69 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 75 Resp: 171188

Ion Ratio Lower Upper

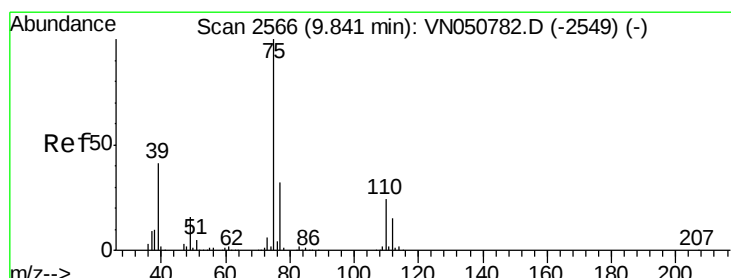
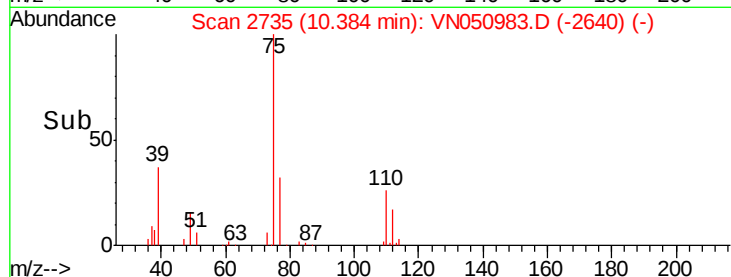
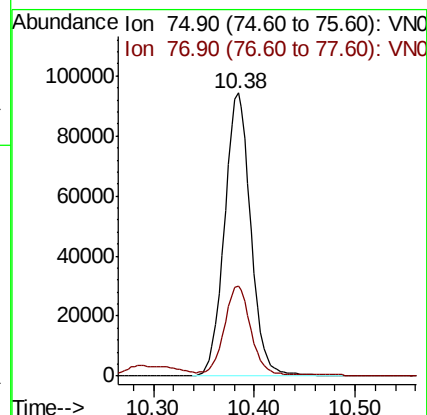
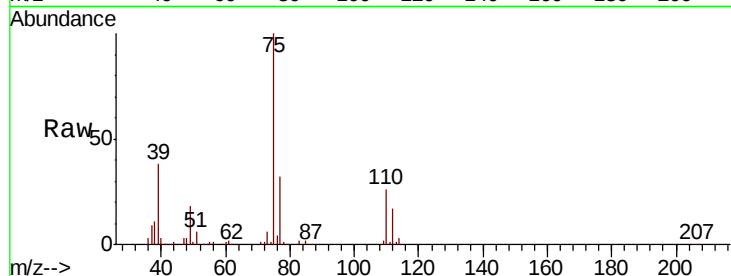
75 100

77 31.6 25.7 38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.57 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

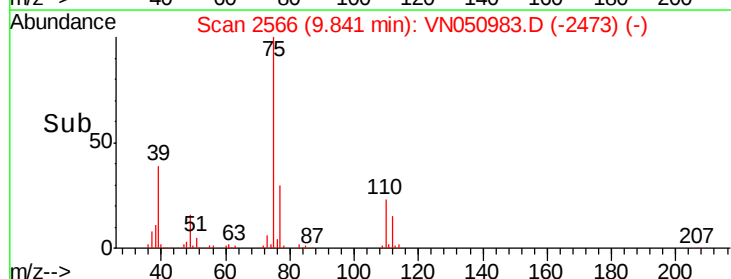
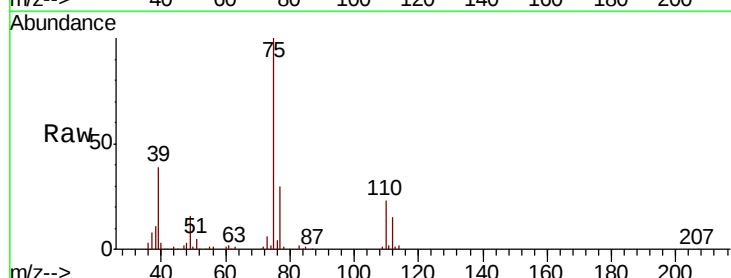
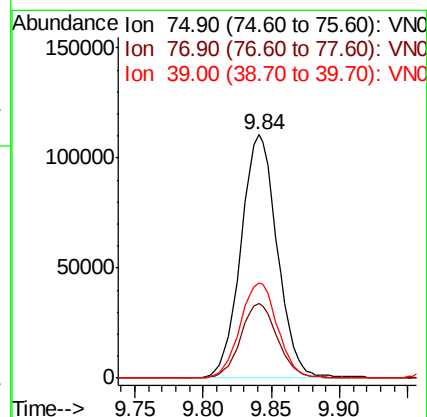
Tgt Ion: 75 Resp: 204878

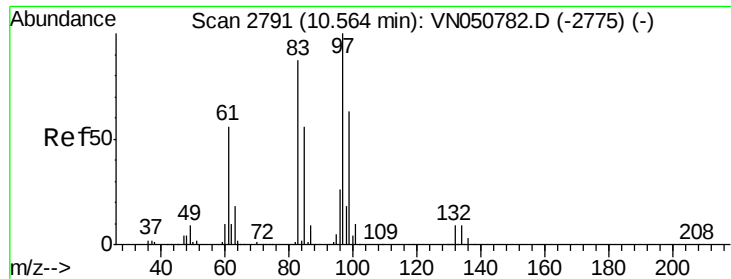
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2

39 39.1 33.0 49.4





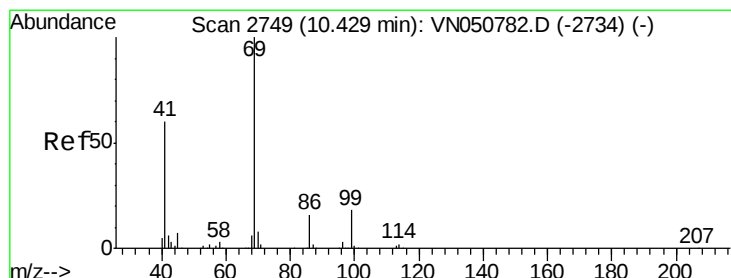
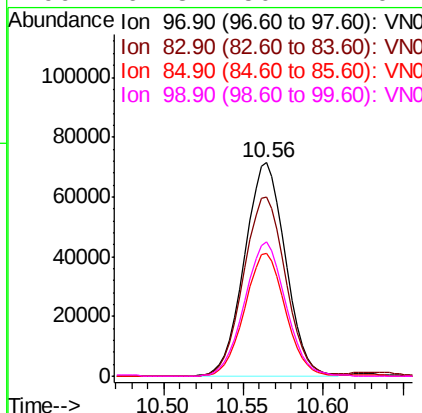
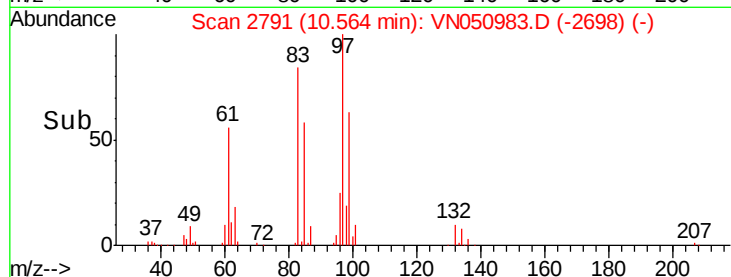
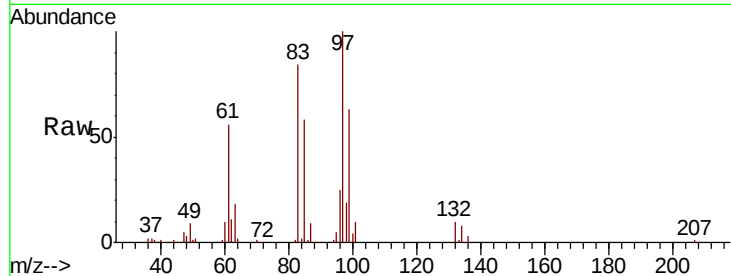
#55
 1,1,2-Trichloroethane
 Concen: 21.11 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125340		
83	84.1	69.7	104.5		
85	57.6	44.5	66.7		
99	62.8	50.7	76.1		

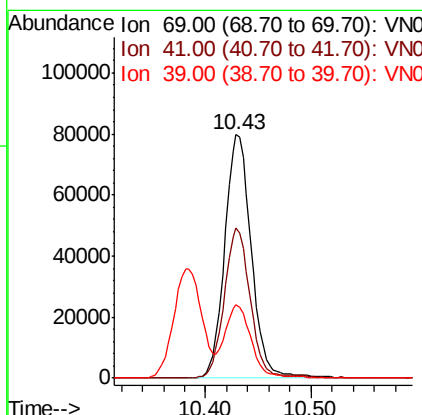
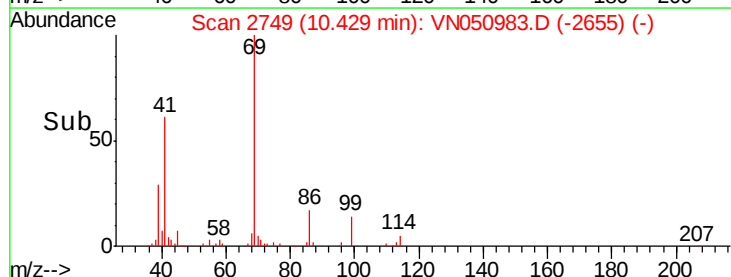
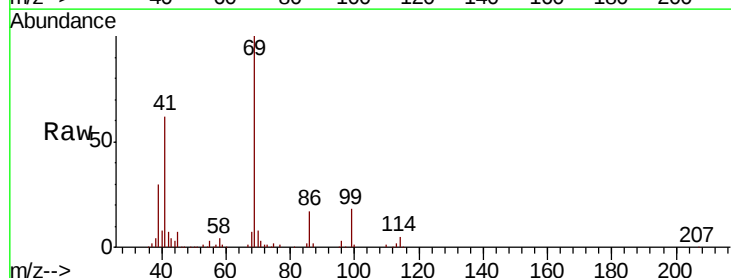
Manual Integrations
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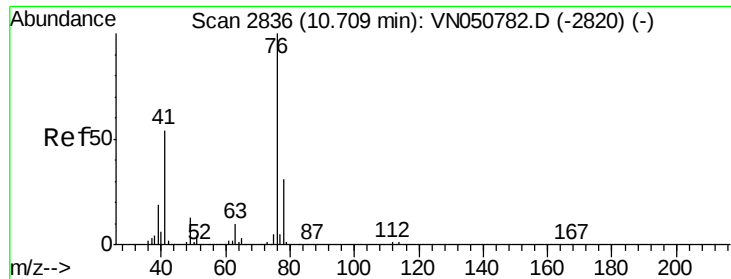
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#56
 Ethyl methacrylate
 Concen: 19.47 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		138812		
41	59.4	48.3	72.5		
39	29.2	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.81 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 76 Resp: 203994

Ion Ratio Lower Upper

76 100

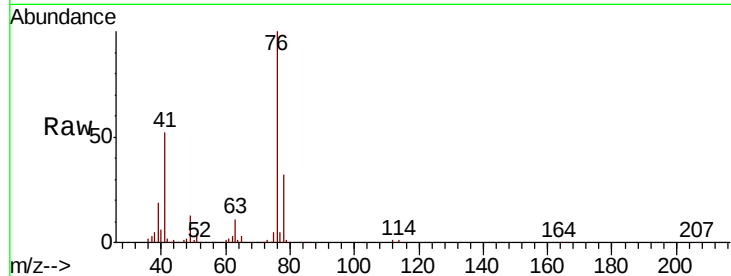
78 32.8 25.5 38.3

Manual Integrations

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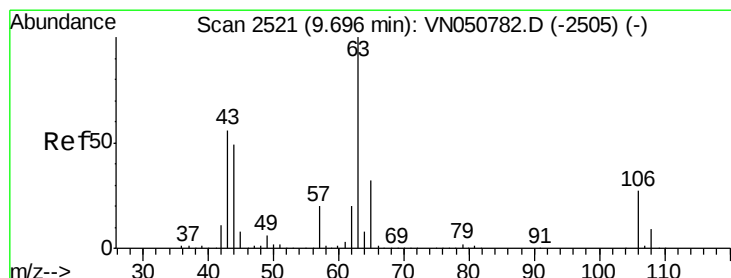
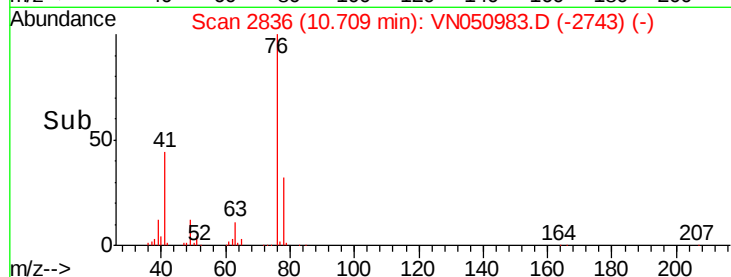
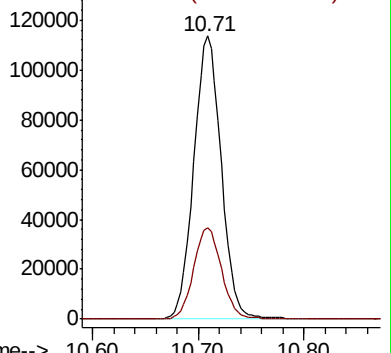
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.47 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050983.D

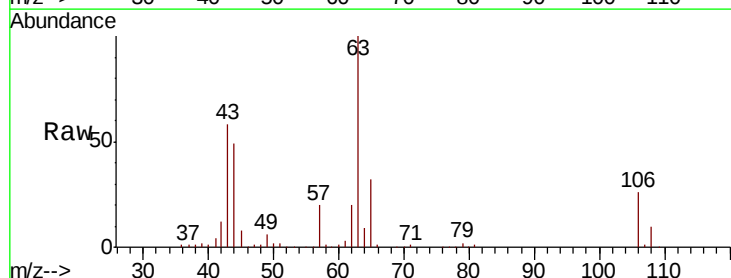
Acq: 31 Aug 2018 13:11

Tgt Ion: 63 Resp: 291525

Ion Ratio Lower Upper

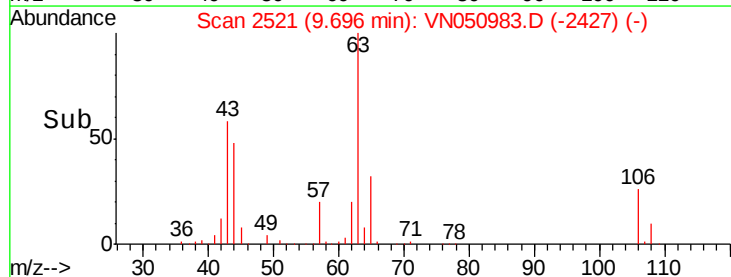
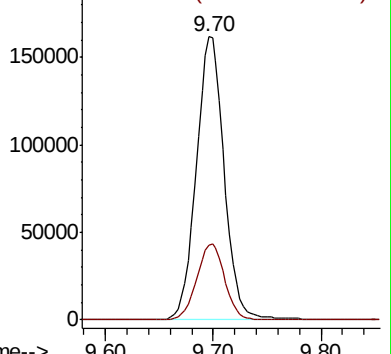
63 100

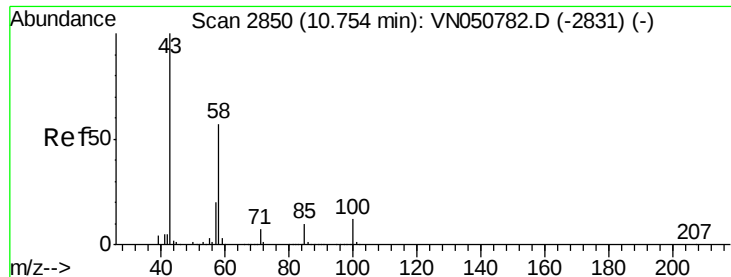
106 27.1 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





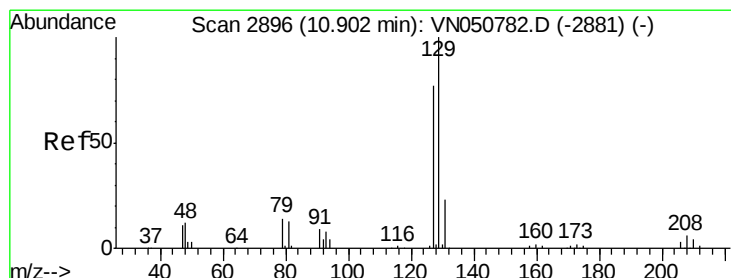
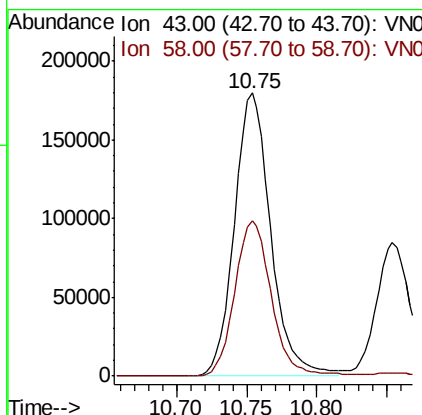
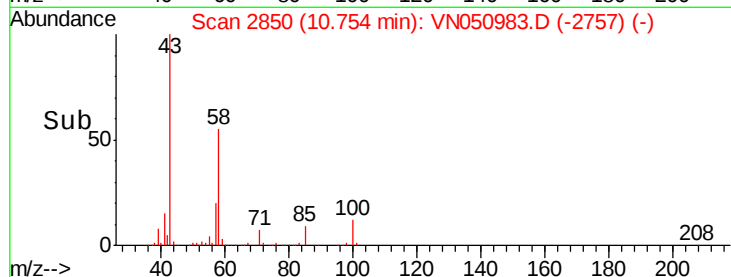
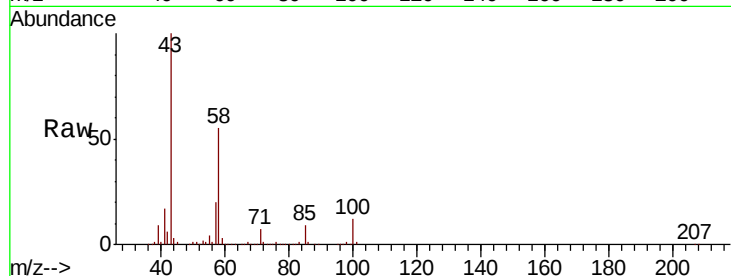
#59
2-Hexanone
Concen: 91.83 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	43	Resp	322728
Ion Ratio	Lower	Upper	
43	100		
58	55.9	28.3	85.0

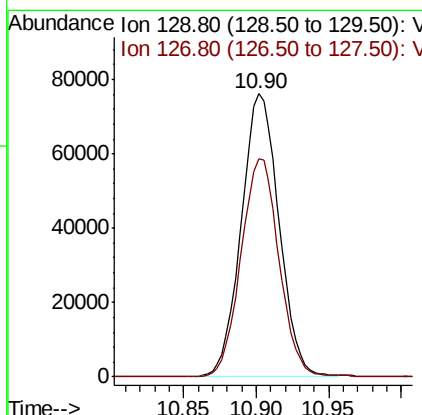
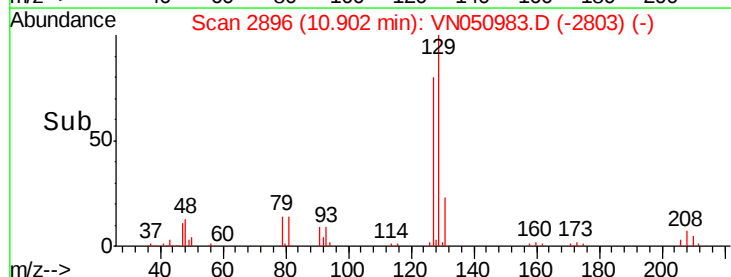
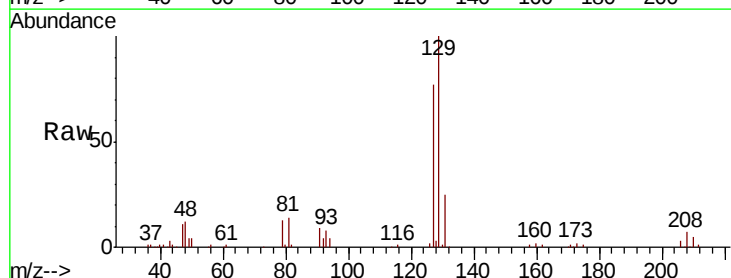
Manual Integrations
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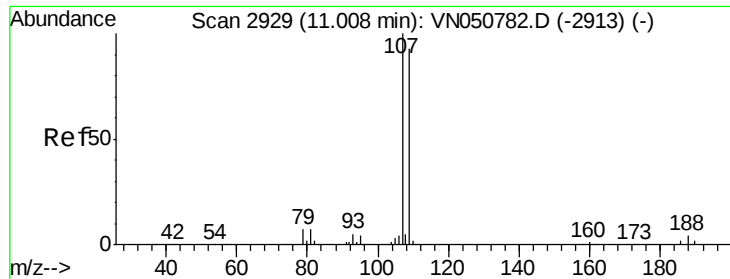
MMDadoda
9/4/2018 12:27:59 PM



#60
Dibromochloromethane
Concen: 20.79 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	129	Resp	138265
Ion Ratio	Lower	Upper	
129	100		
127	77.6	38.3	114.9





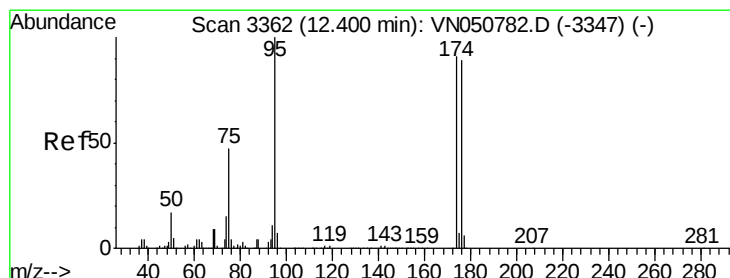
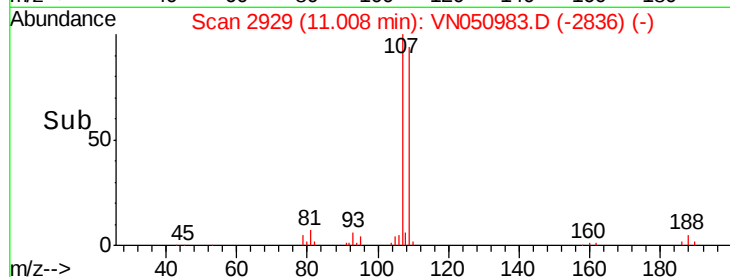
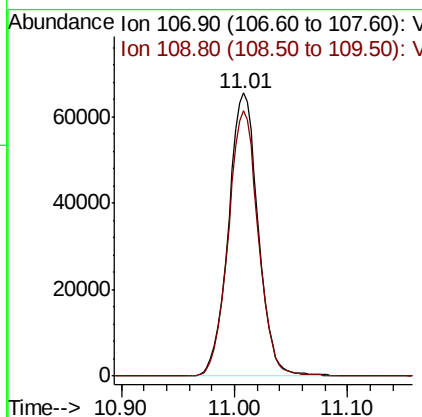
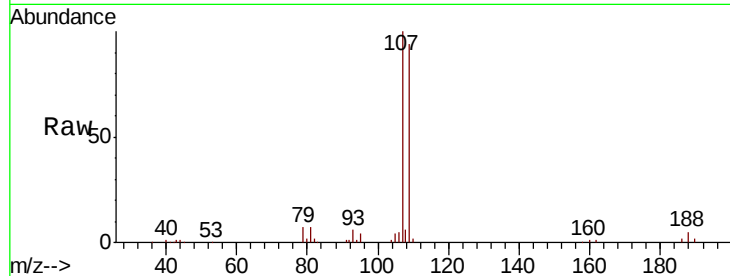
#61
 1,2-Dibromoethane
 Concen: 20.83 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	119646		
109	94.2	75.4	113.2	

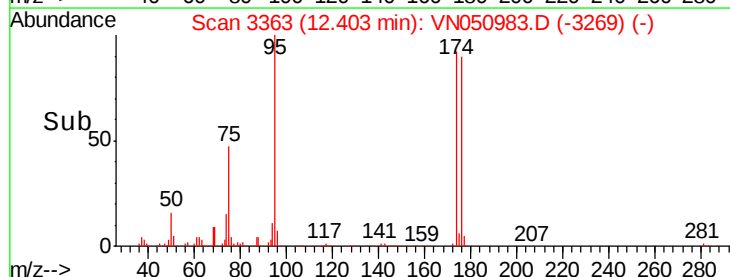
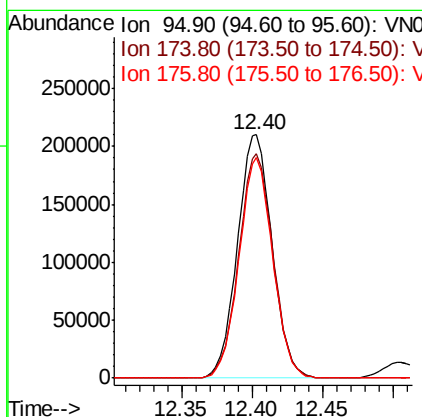
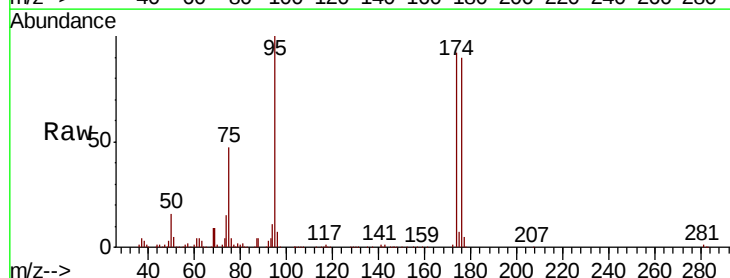
Manual Integrations
 APPROVED

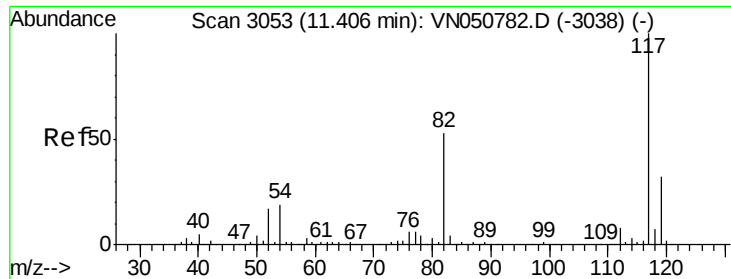
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 9/4/2018 12:27:59 PM



#62
 4-Bromofluorobenzene
 Concen: 48.14 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	361151		
174	91.4	0.0	183.0	
176	88.2	0.0	178.8	





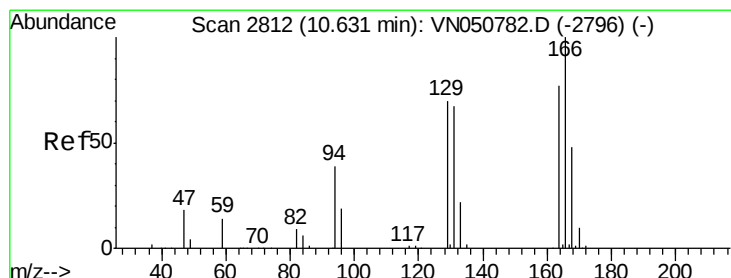
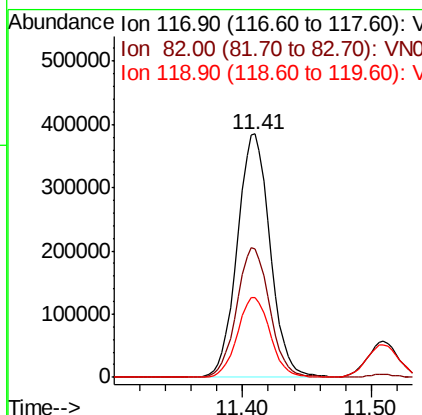
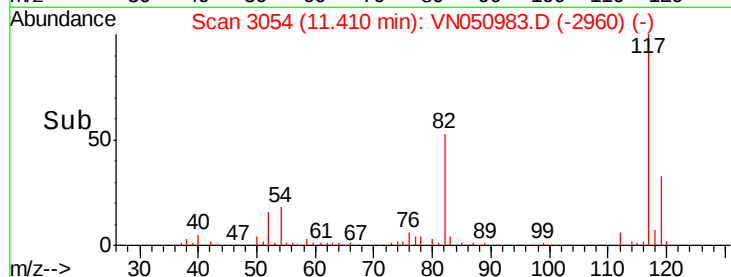
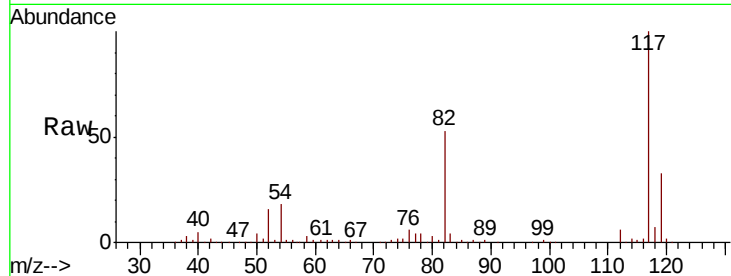
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.6	64.0
119	33.0	25.8	38.6

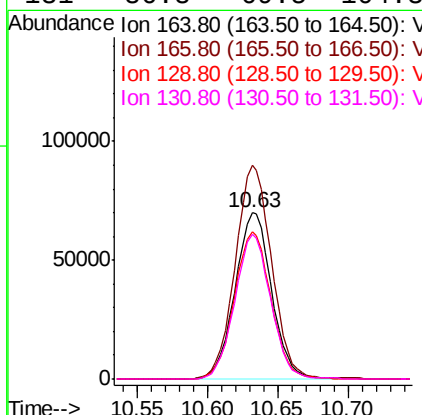
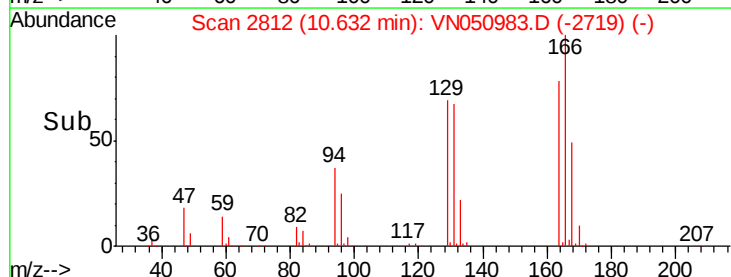
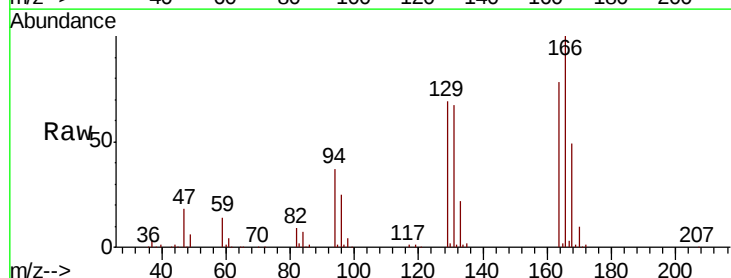
Manual Integrations
APPROVED

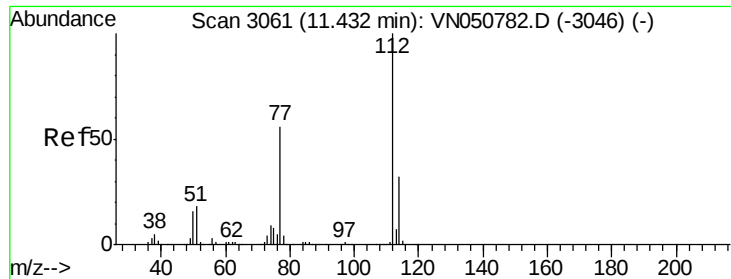
MMDadoda
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#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	103.5	155.3
129	88.4	72.7	109.1
131	86.8	69.5	104.3





#65

Chlorobenzene

Concen: 20.27 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

Tot Ion:112 Resp: 361529

Ion Ratio Lower Upper

112 100

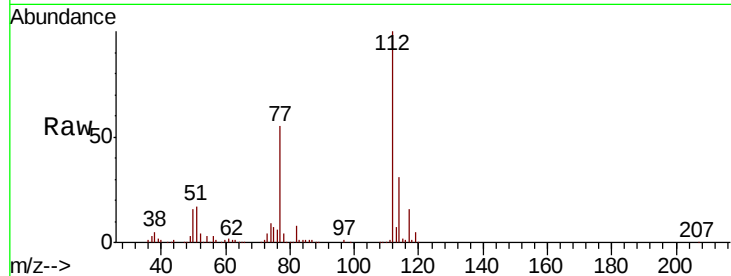
114 31.4 25.6 38.4

Manual Integrations

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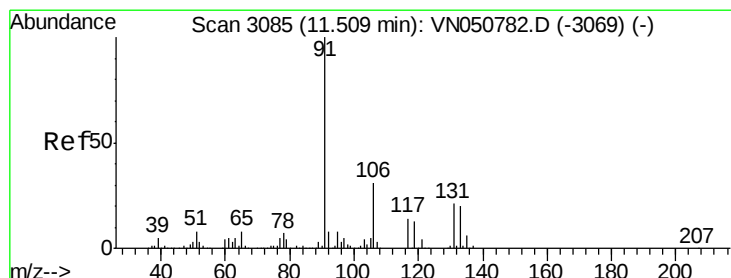
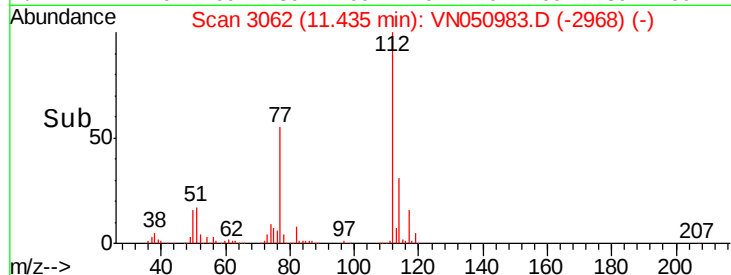
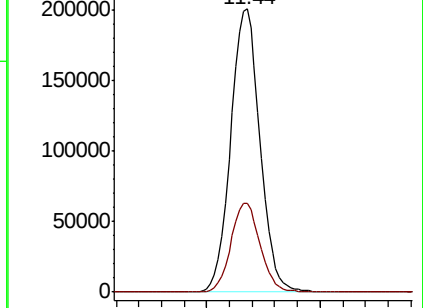
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.97 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

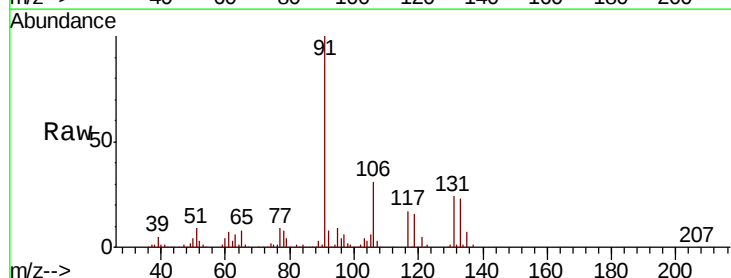
Tgt Ion:131 Resp: 136855

Ion Ratio Lower Upper

131 100

133 95.5 47.4 142.3

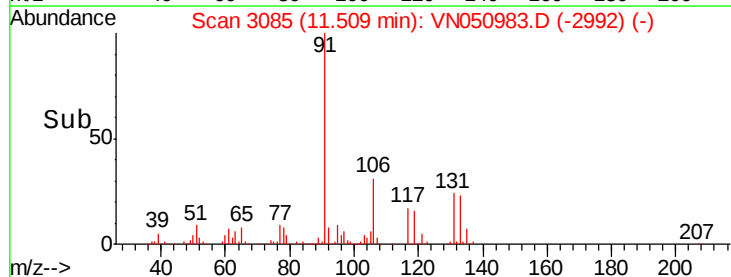
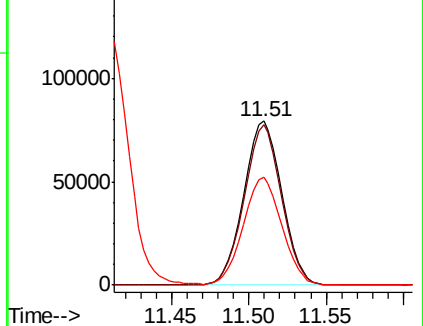
119 66.2 32.8 98.4

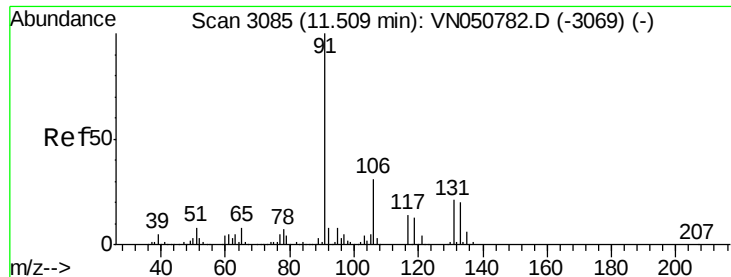


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





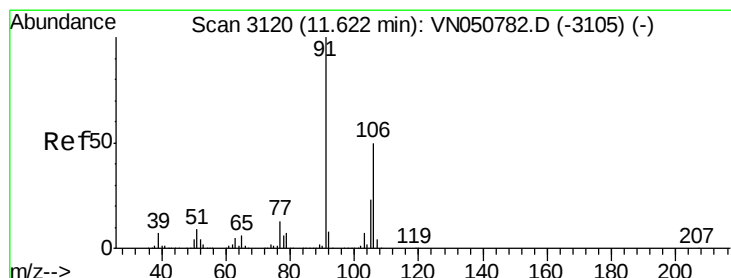
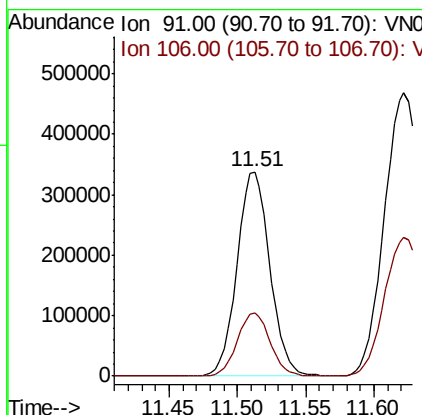
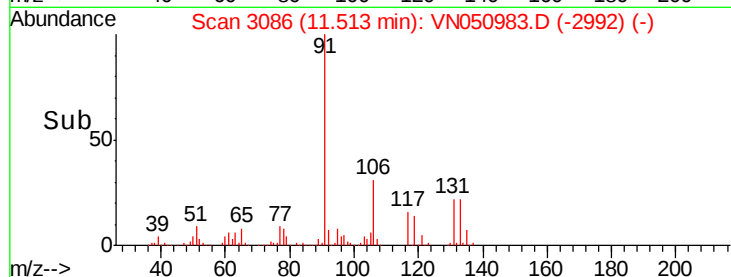
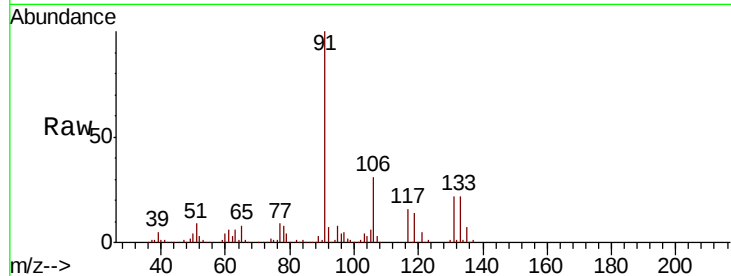
#67
Ethyl Benzene
Concen: 19.48 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion: 91 Resp: 564830
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

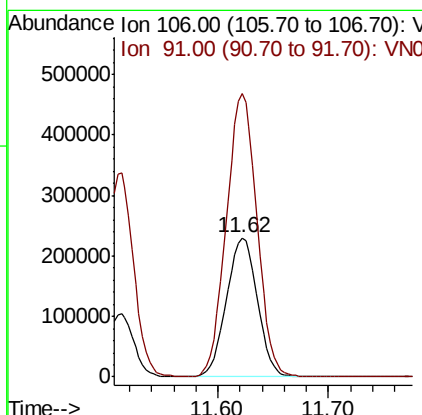
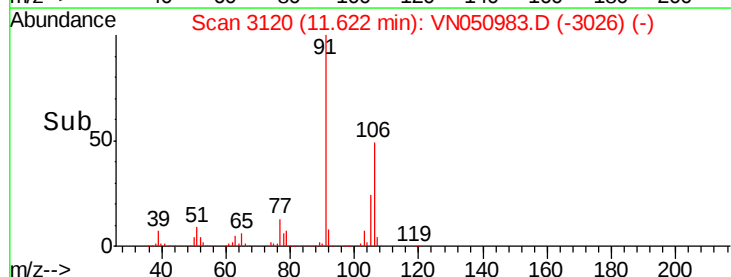
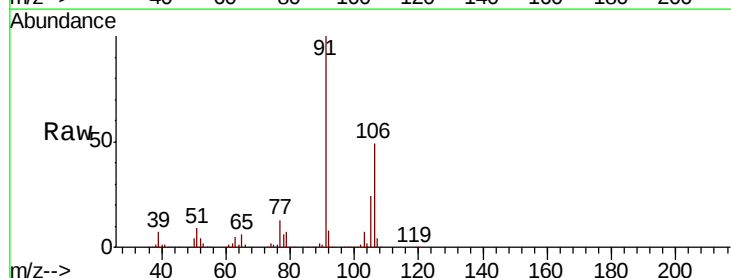
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#68
m/p-Xylenes
Concen: 40.58 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion: 106 Resp: 446612
Ion Ratio Lower Upper
106 100
91 201.6 161.0 241.6





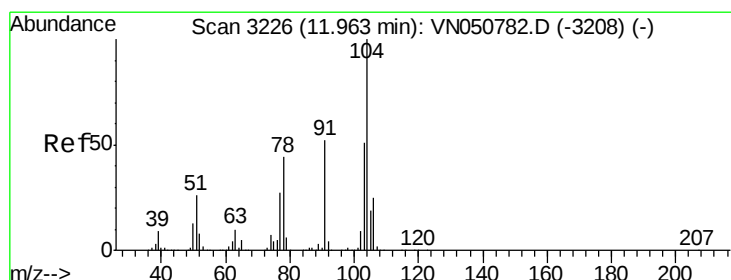
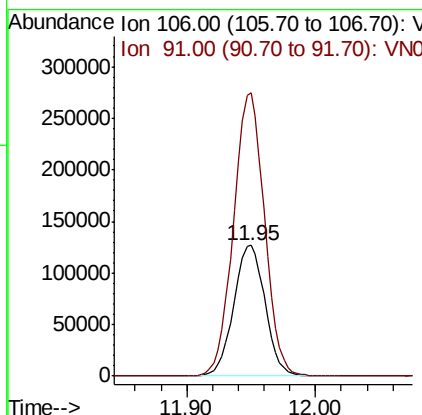
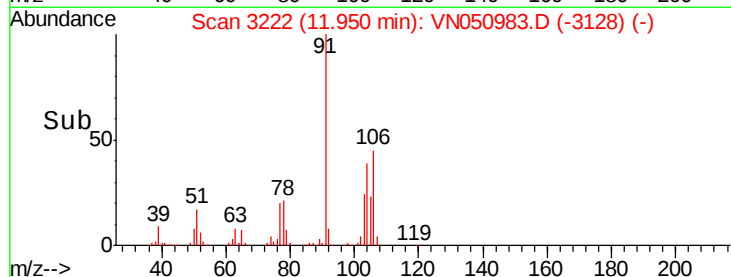
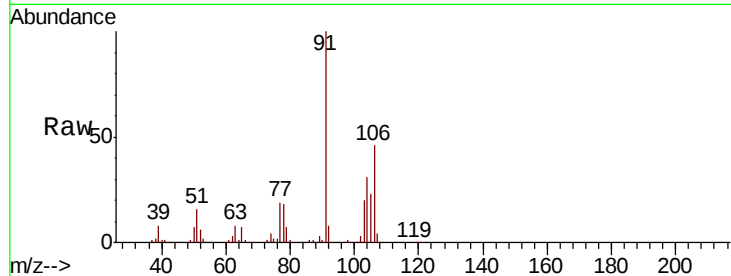
#69
o-Xylene
Concen: 20.19 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	213636		
91	91	215.0	106.5	319.5	

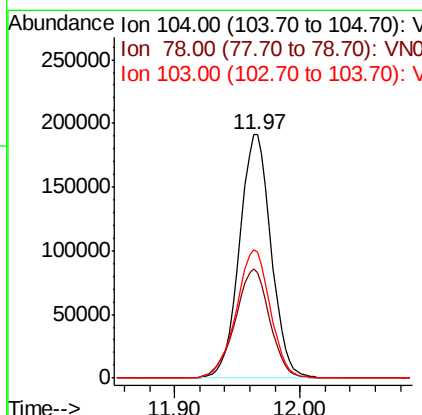
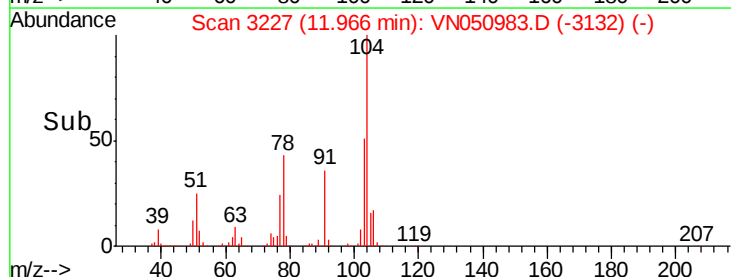
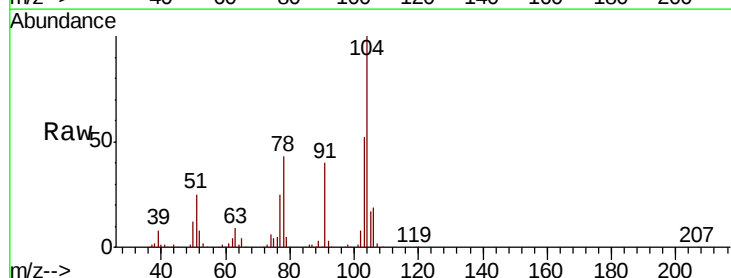
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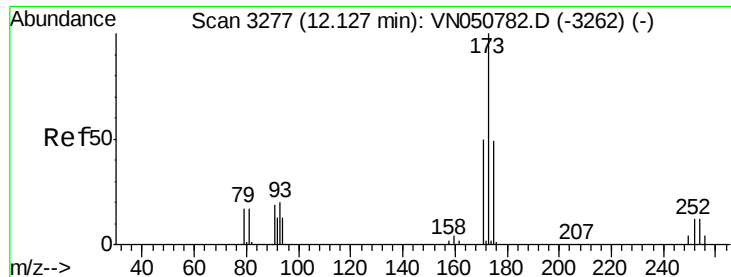
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#70
Styrene
Concen: 18.84 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	336194		
78	78	48.9	38.2	57.4	
103	103	56.6	44.4	66.6	





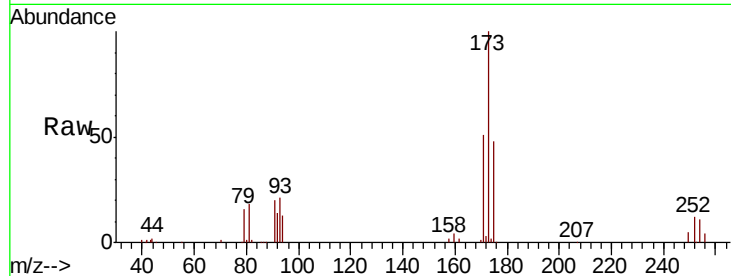
#71
Bromoform
Concen: 21.08 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

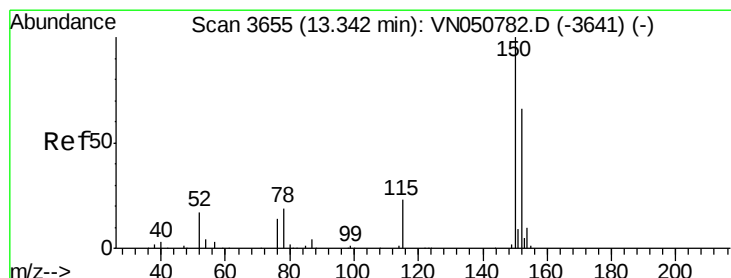
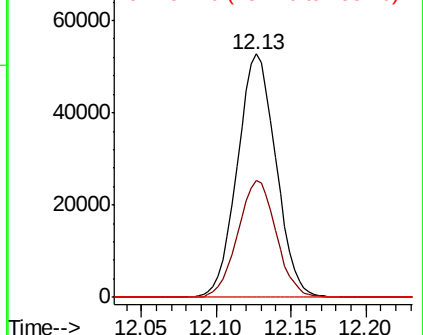
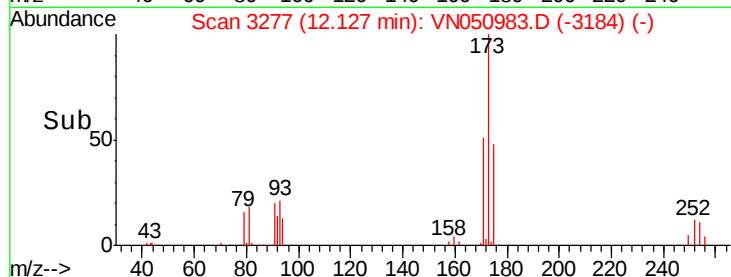
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.0	0.1	0.1#

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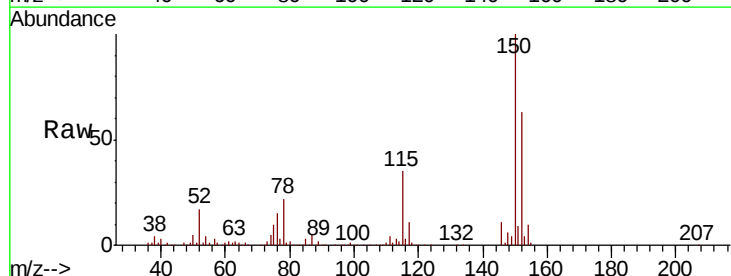


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

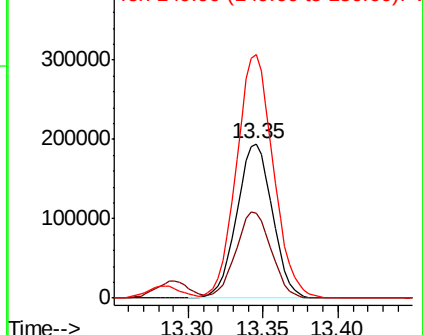
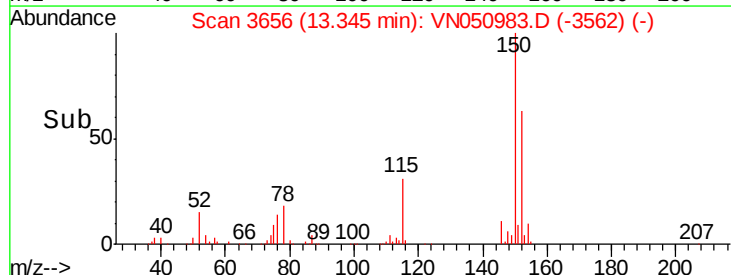


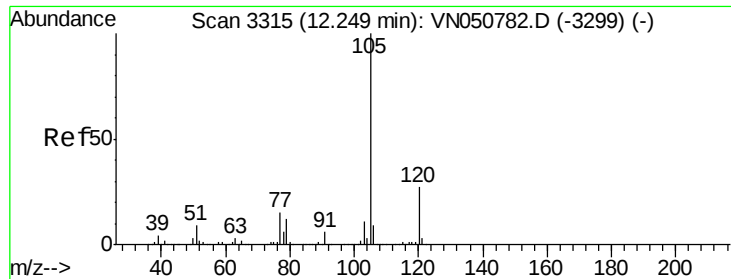
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.8	83.4
150	163.7	0.0	351.4



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





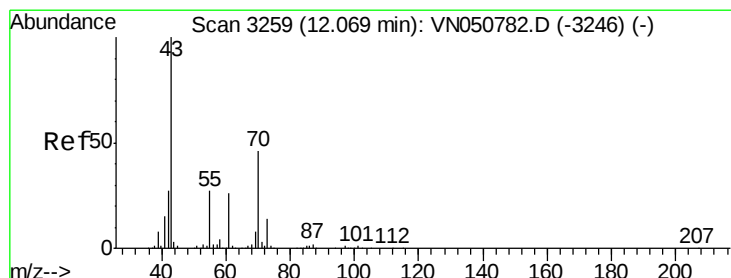
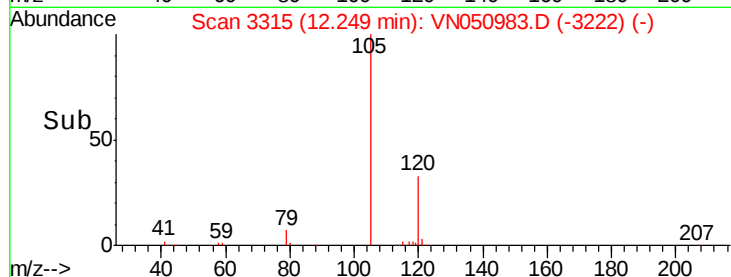
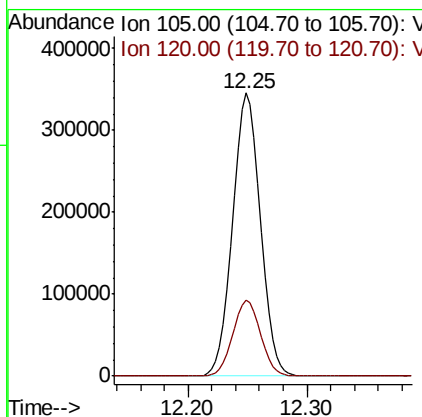
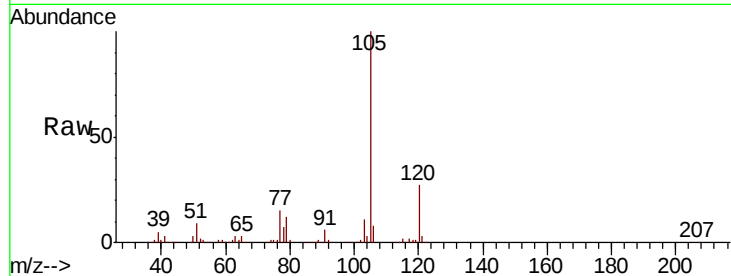
#73
Isopropylbenzene
Concen: 20.91 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.5	40.4

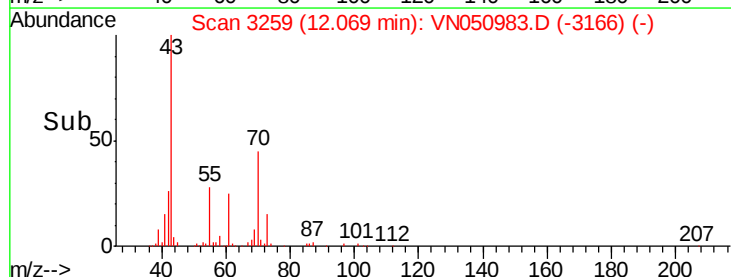
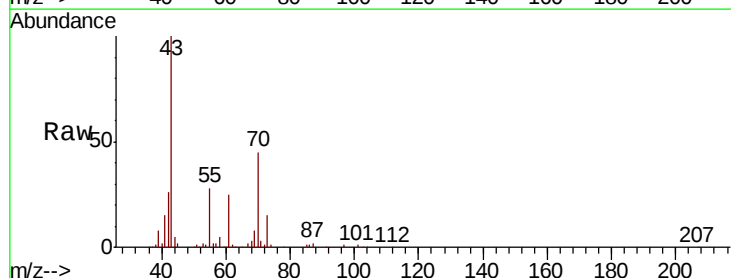
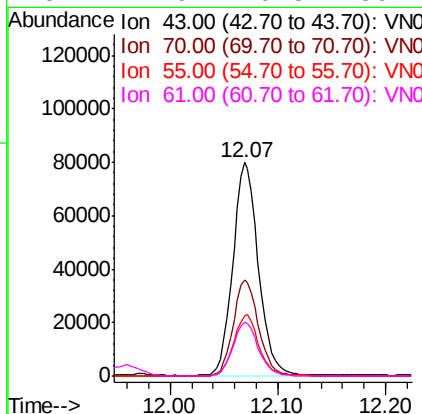
Manual Integrations
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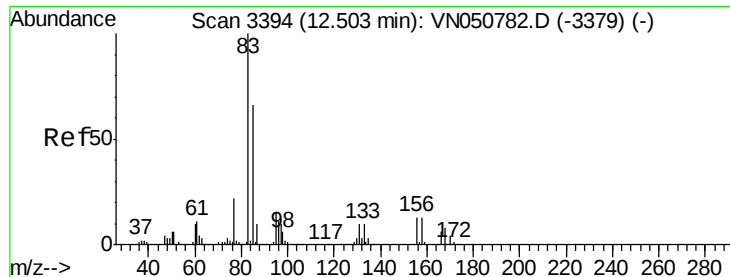
MMDadoda
9/4/2018 12:27:59 PM



#74
N-ethyl acetate
Concen: 19.79 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	36.2	54.2
55	28.1	21.8	32.8
61	24.9	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 23.12 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

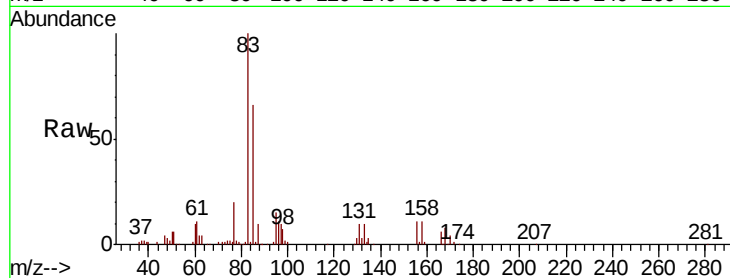
ClientSampleId :

VN0831MBS01

Tot Ion:	83	Resp:	152553
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.9	31.9	95.7

Manual Integrations
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MMDadoda
9/4/2018 12:27:59 PM

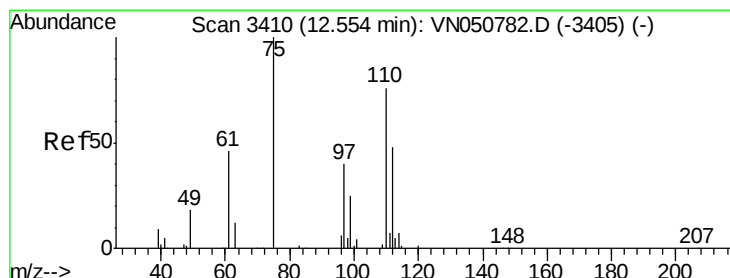
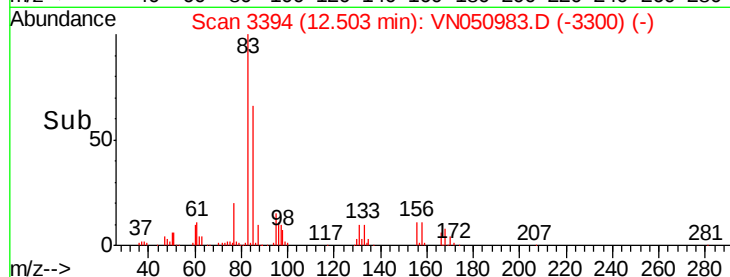
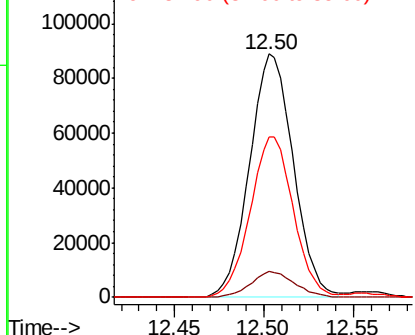


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN

Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 22.04 ug/l m

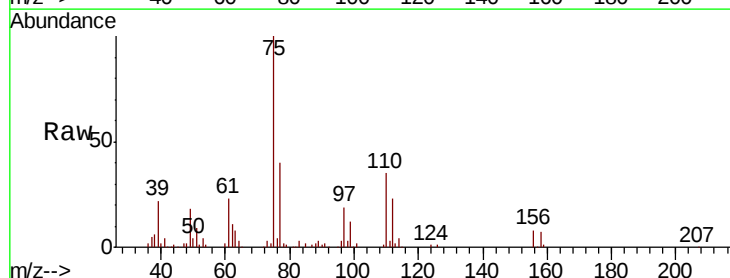
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

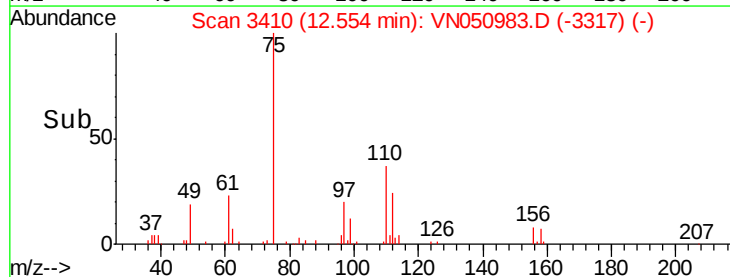
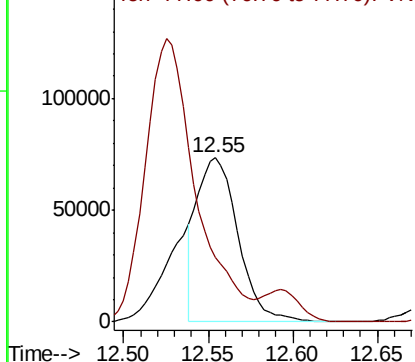
Tgt Ion:	75	Resp:	124299
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

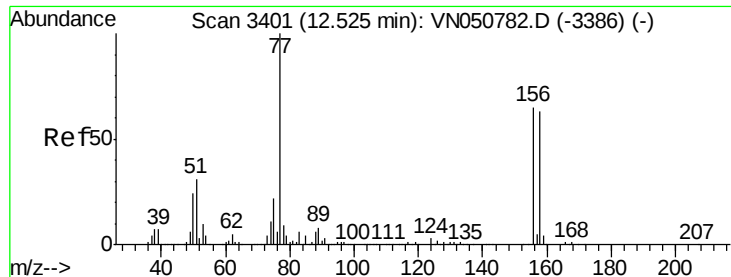


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

Tot Ion:156 Resp: 148279

Ion Ratio Lower Upper

156 100

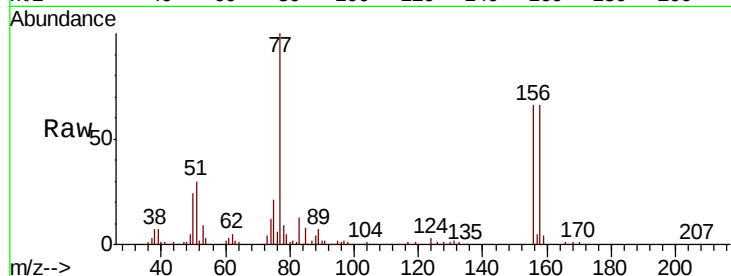
77 178.6 89.9 269.7

158 98.9 49.3 147.9

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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

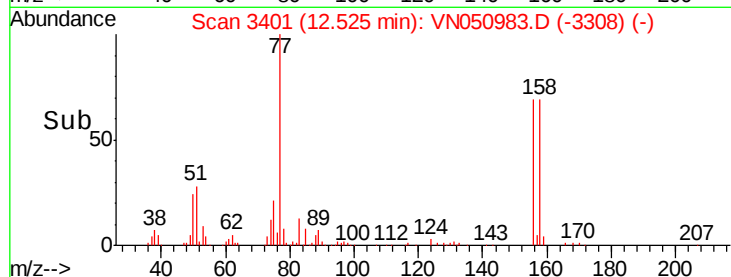
150000

100000

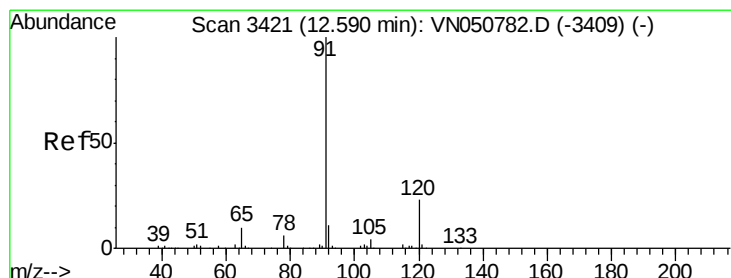
50000

0

12.45 12.50 12.55 12.60



Time-->



#78

n-propylbenzene

Concen: 20.55 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050983.D

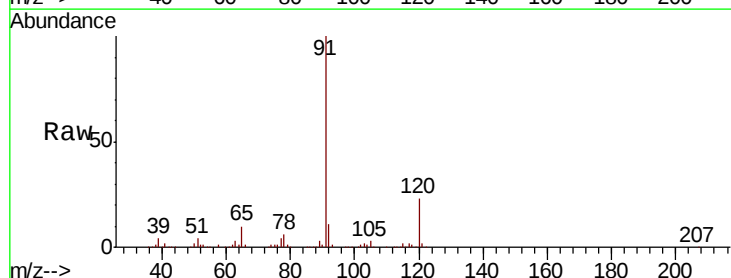
Acq: 31 Aug 2018 13:11

Tgt Ion: 91 Resp: 612238

Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

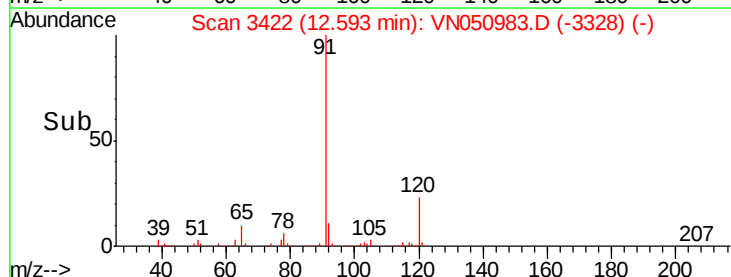
300000

200000

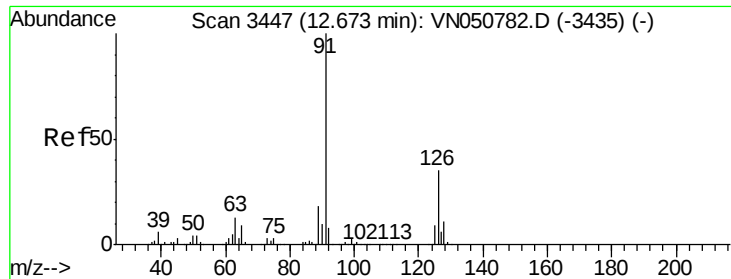
100000

0

12.55 12.60 12.65



Time-->



#79

2-Chlorotoluene

Concen: 21.07 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampled :

VN0831MBS01

Tot Ion: 91 Resp: 390995

Ion Ratio Lower Upper

91 100

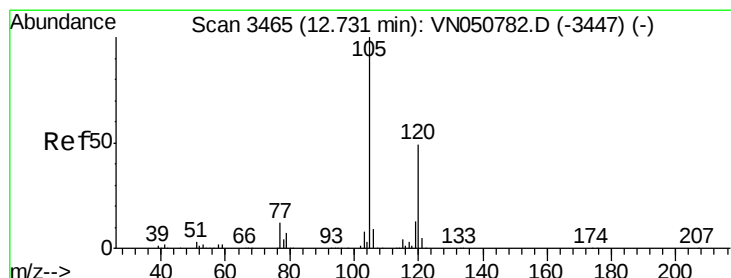
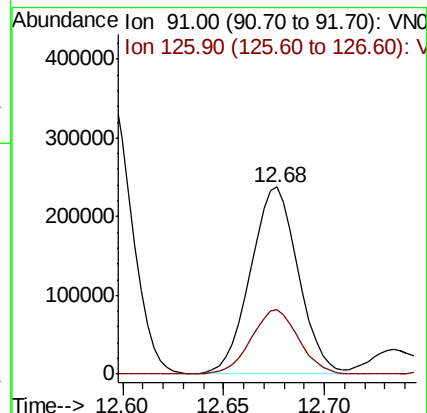
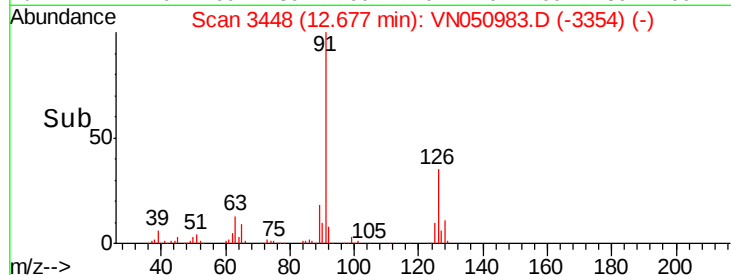
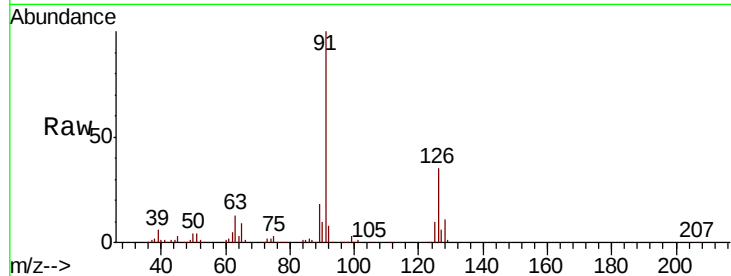
126 34.6 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.49 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050983.D

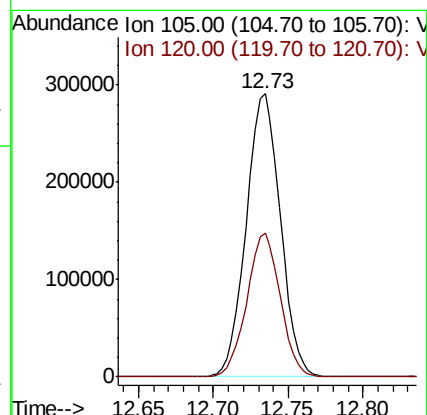
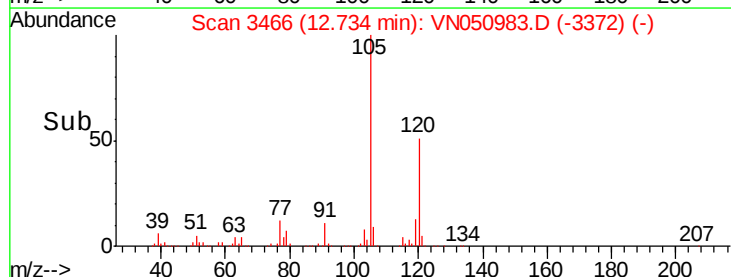
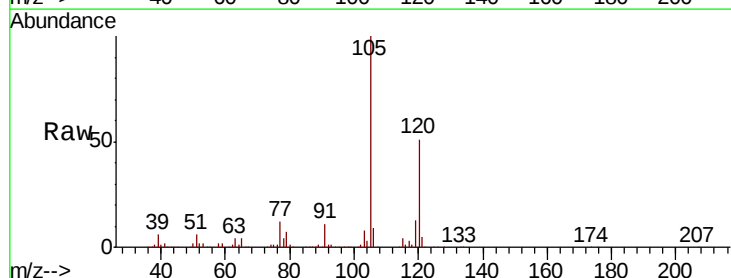
Acq: 31 Aug 2018 13:11

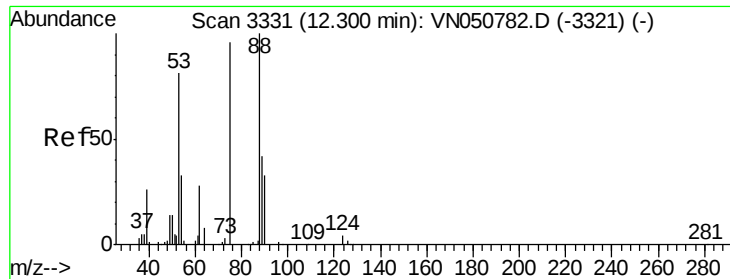
Tgt Ion: 105 Resp: 462324

Ion Ratio Lower Upper

105 100

120 49.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.33 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

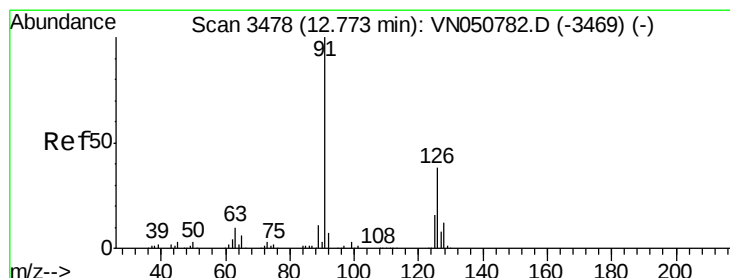
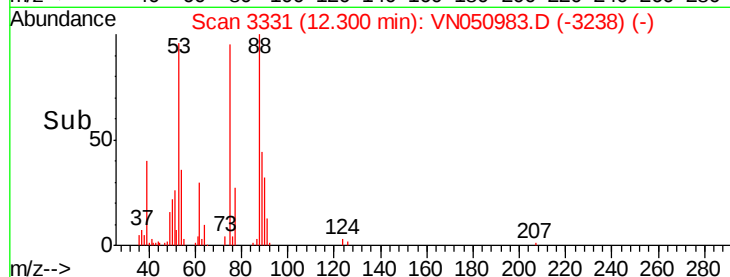
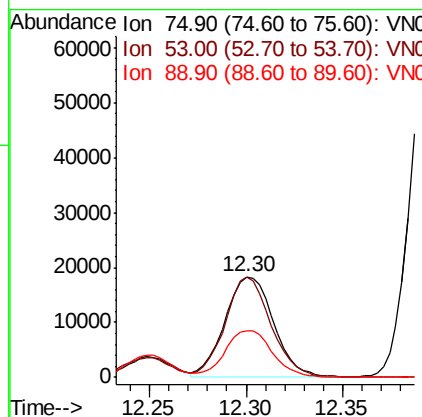
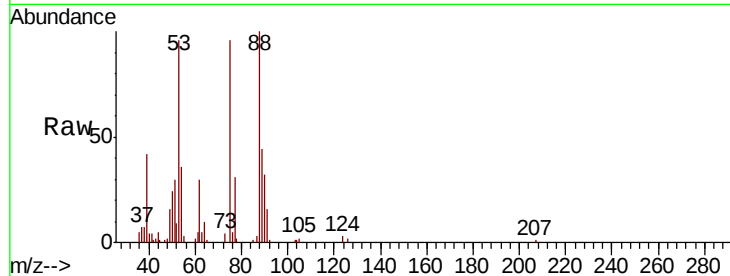
ClientSampleId :

VN0831MBS01

Tot Ion:	75	Resp:	32260
Ion	Ratio	Lower	Upper
75	100		
53	93.3	68.9	103.3
89	45.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.56 ug/l

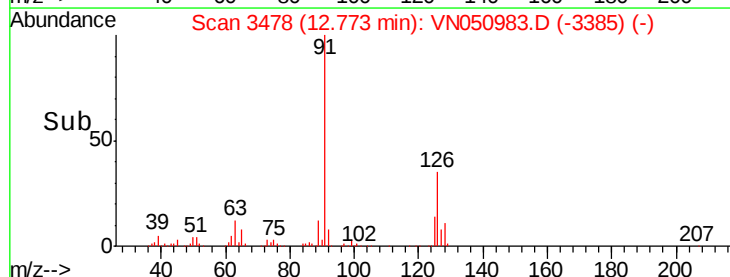
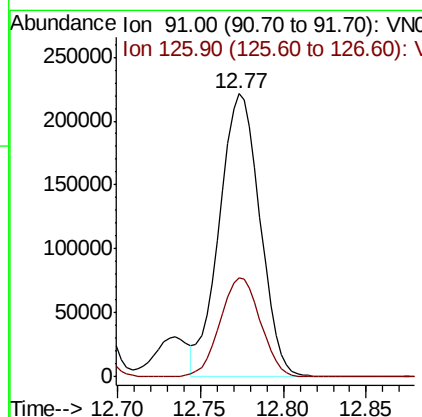
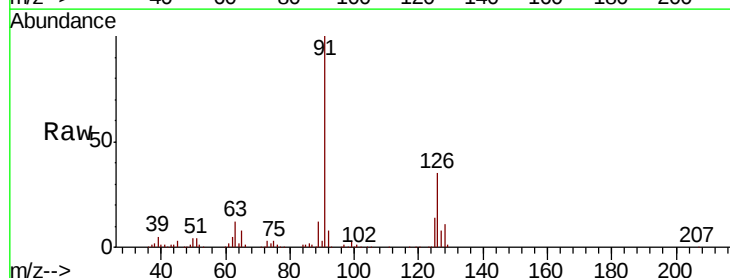
RT: 12.77 min Scan# 3478

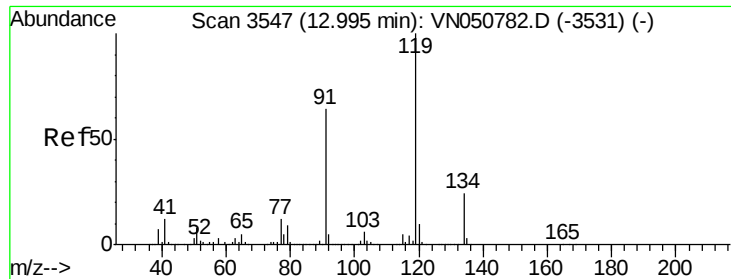
Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion:	91	Resp:	376633
Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.5	52.5





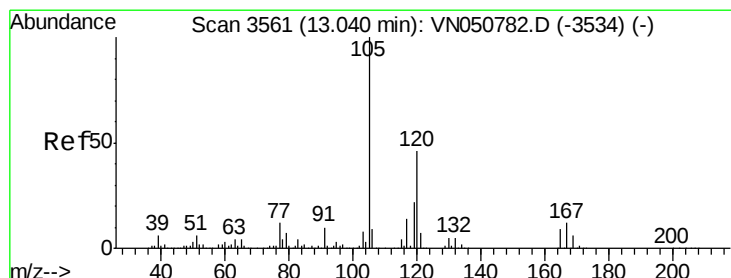
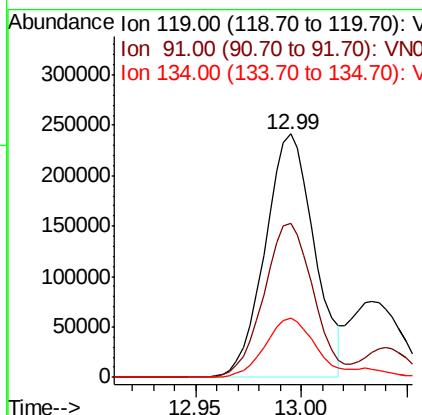
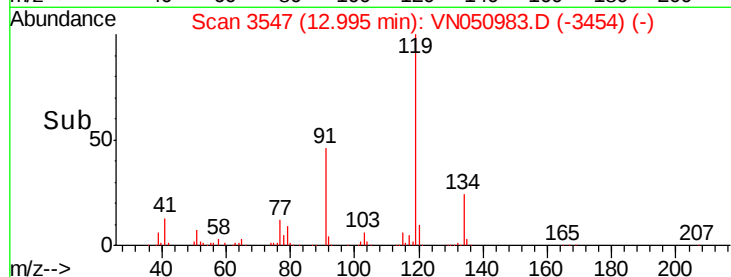
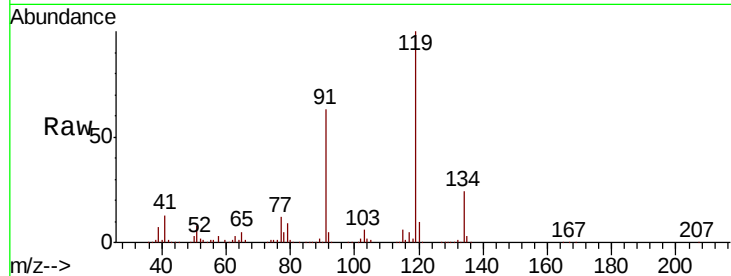
#83
tert-Butylbenzene
Concen: 20.96 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	390582		
91	64.1		31.6	94.7
134	25.0		13.4	40.1

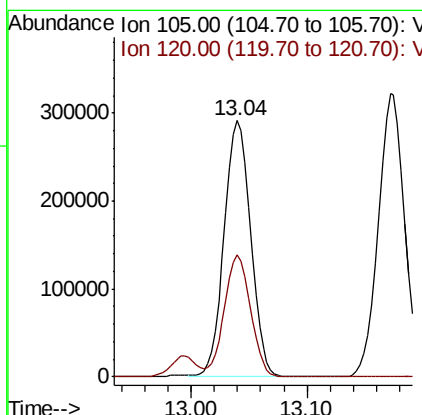
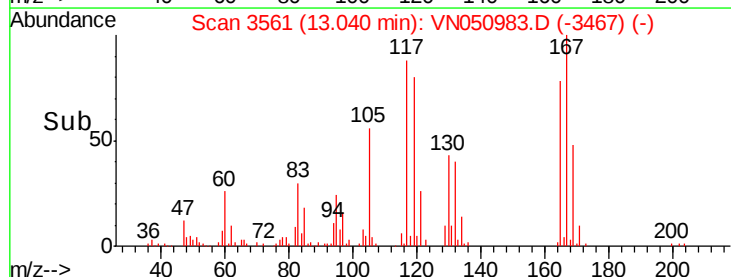
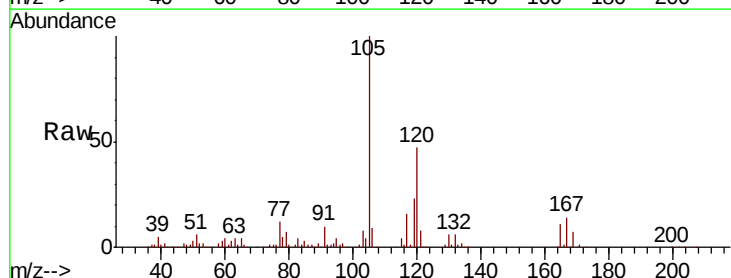
Manual Integrations
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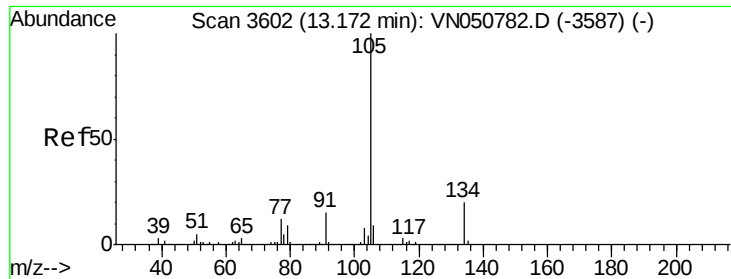
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#84
1,2,4-Trimethylbenzene
Concen: 21.26 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	460083		
120	47.1		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.88 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

ClientSampleId :

VN0831MBS01

Tot Ion:105 Resp: 509815

Ion Ratio Lower Upper

105 100

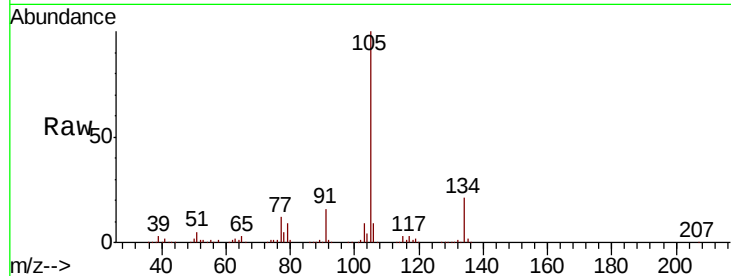
134 20.7 10.3 30.8

Manual Integrations

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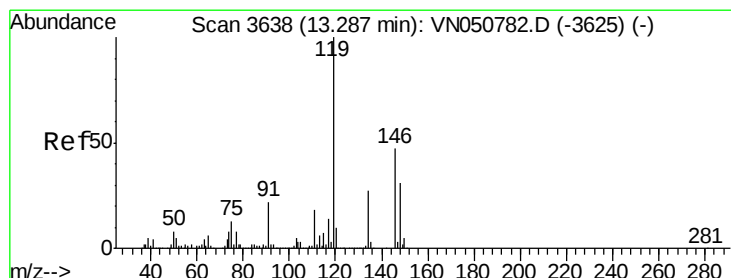
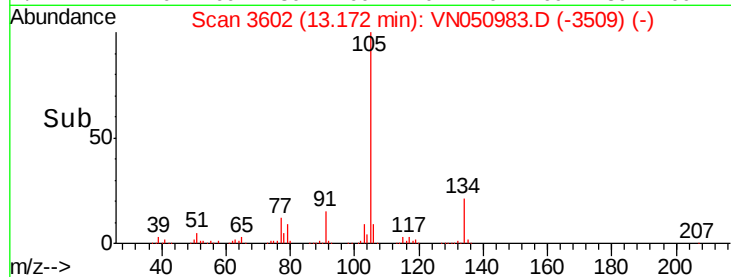
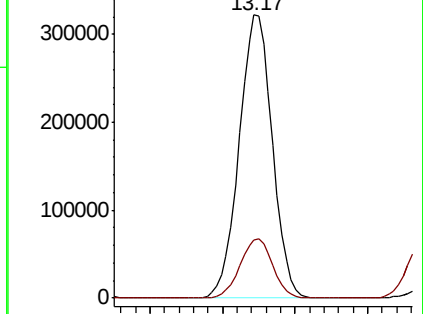
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

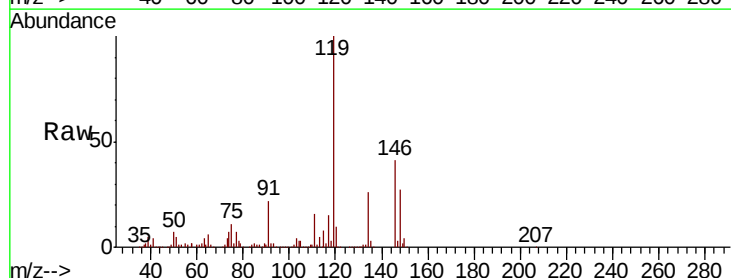
Tgt Ion:119 Resp: 437612

Ion Ratio Lower Upper

119 100

134 26.2 13.7 41.0

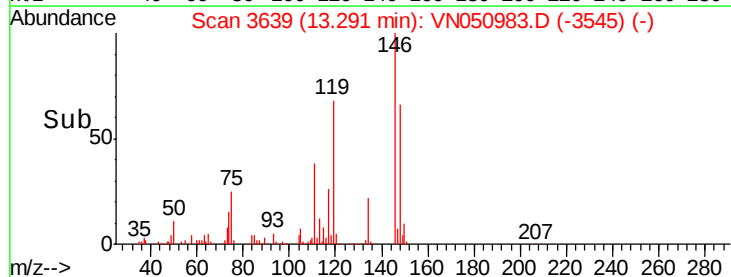
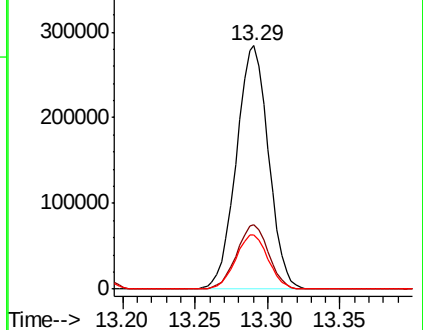
91 22.2 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.74 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Instrument :

MSVOA_N

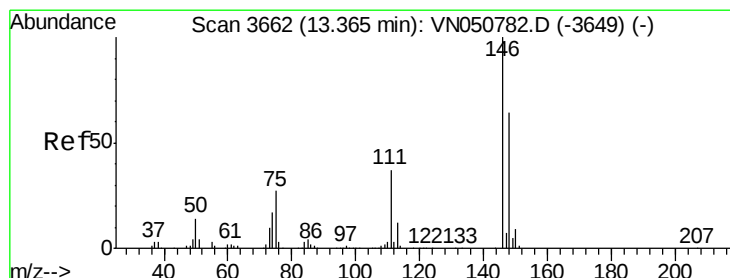
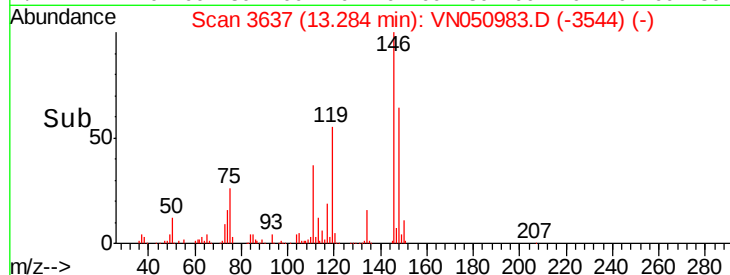
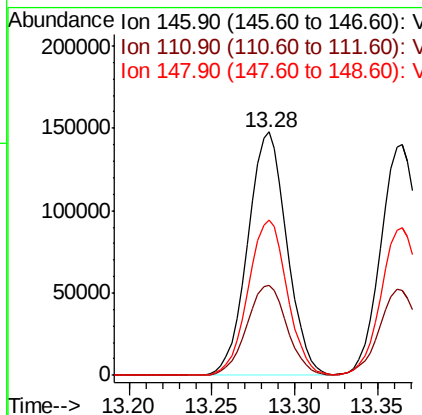
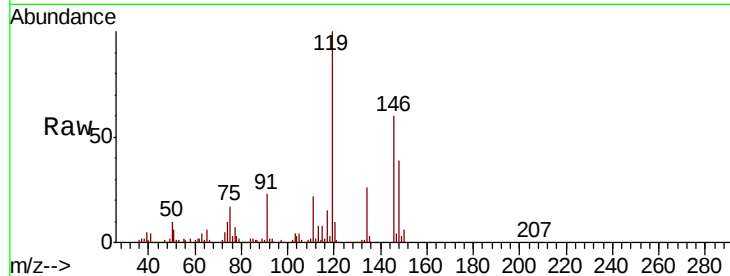
ClientSampleId :

VN0831MBS01

Tot Ion:	146	Resp:	242812
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.3
148	63.8	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.17 ug/l

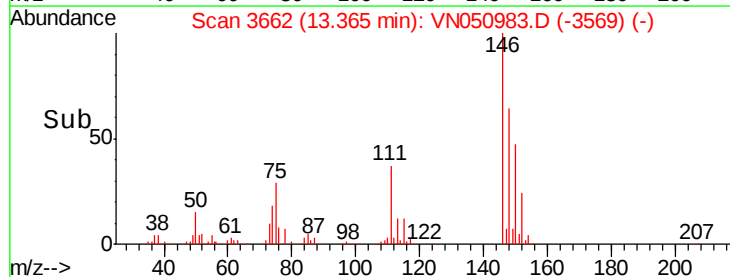
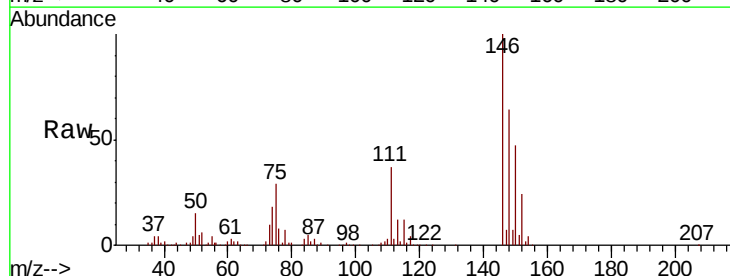
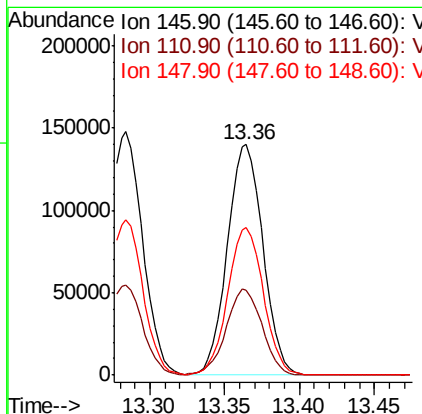
RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050983.D

Acq: 31 Aug 2018 13:11

Tgt Ion:	146	Resp:	232086
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.8	56.3
148	64.2	32.2	96.6





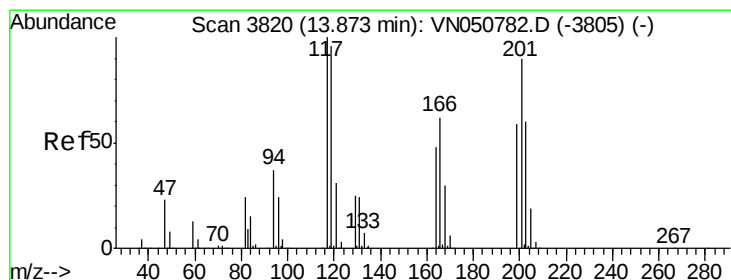
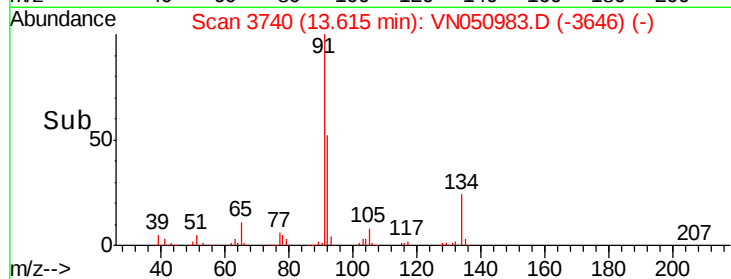
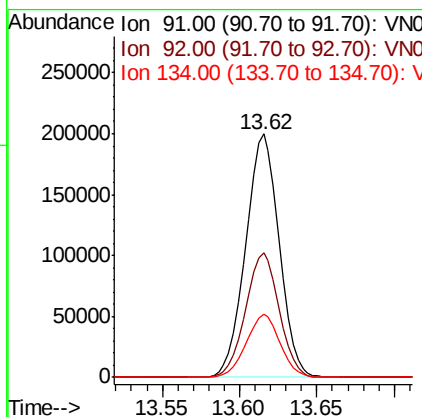
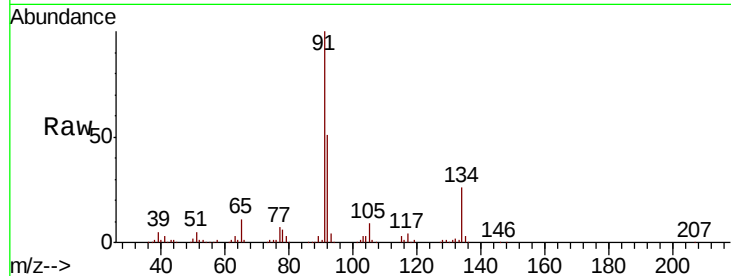
#89
n-Butylbenzene
Concen: 18.17 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampled :
VN0831MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.2
134	26.1	13.2	39.6

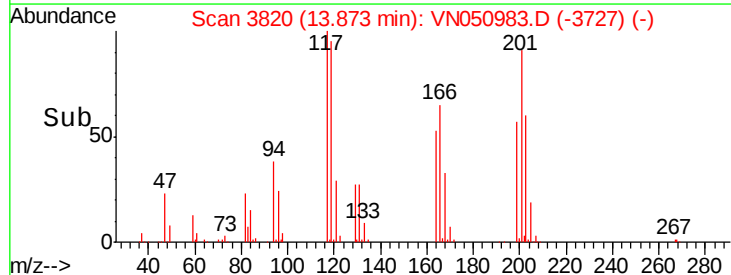
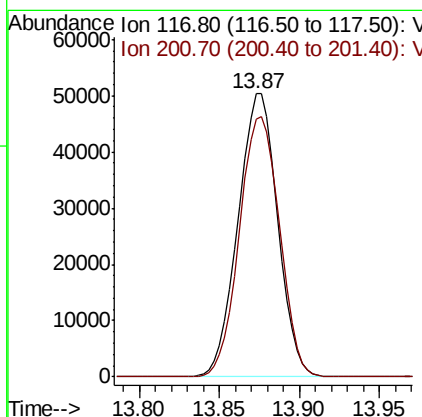
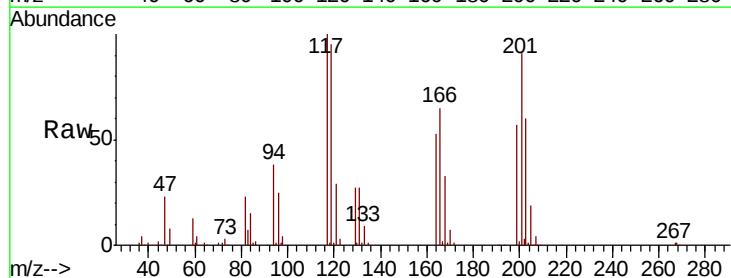
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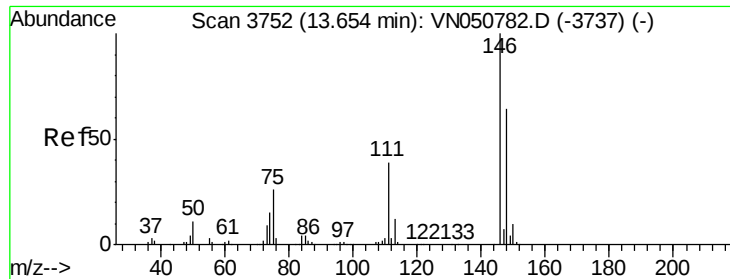
MMDadoda
9/4/2018 12:27:59 PM



#90
Hexachloroethane
Concen: 21.56 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	46.0	137.8





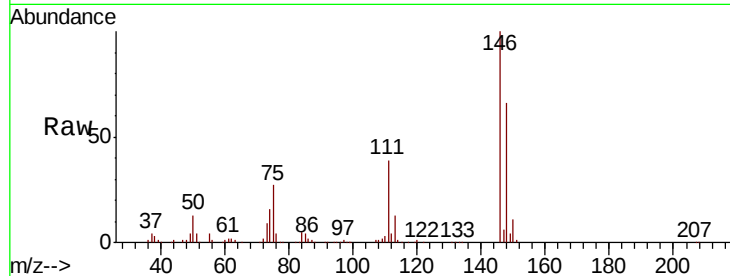
#91
 1,2-Dichlorobenzene
 Concen: 20.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0831MBS01

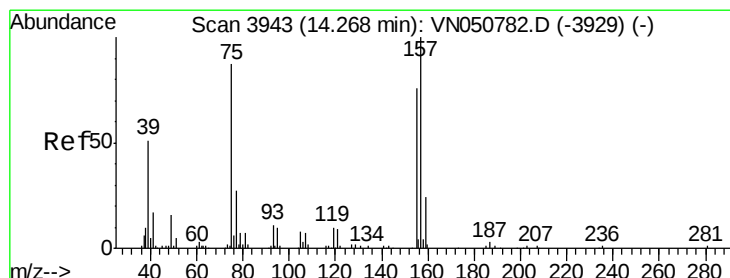
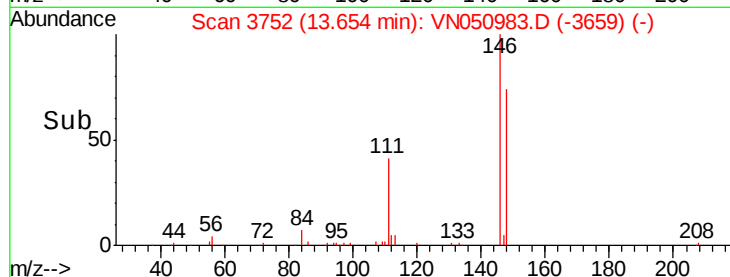
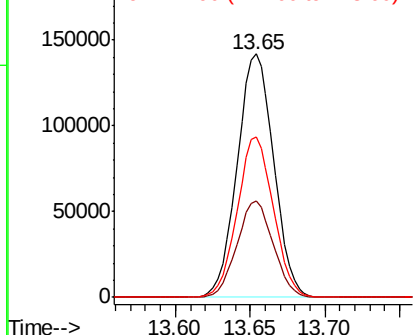
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	65.2	32.3	96.8

Manual Integrations
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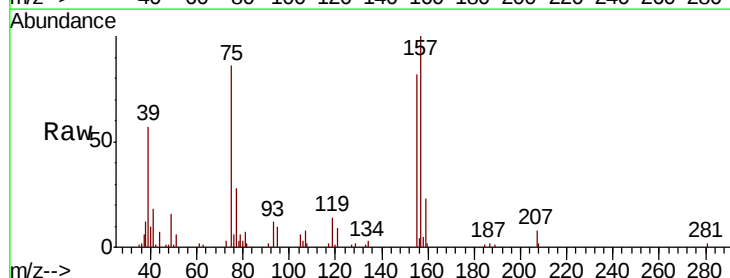


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

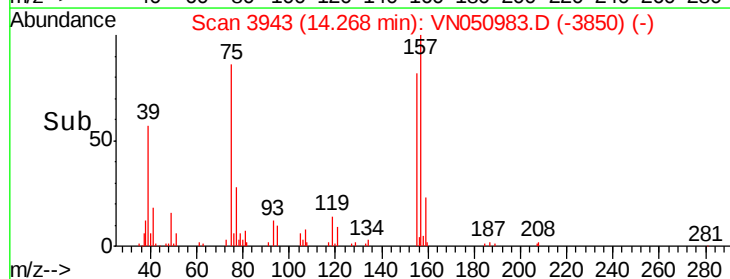
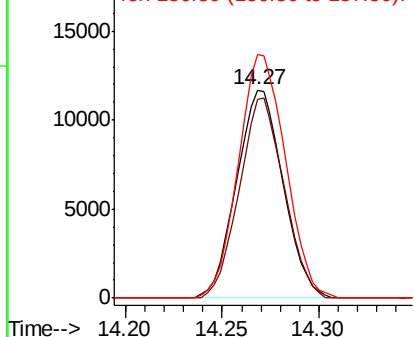


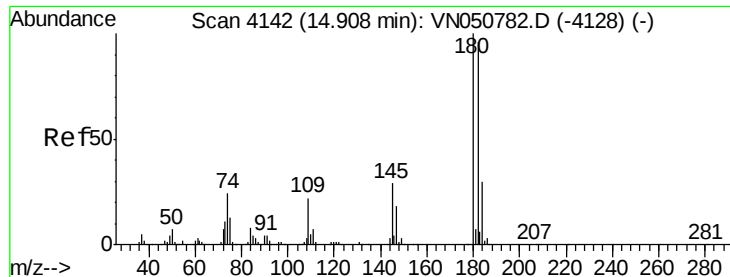
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.41 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.4	139.1
157	118.5	60.7	182.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





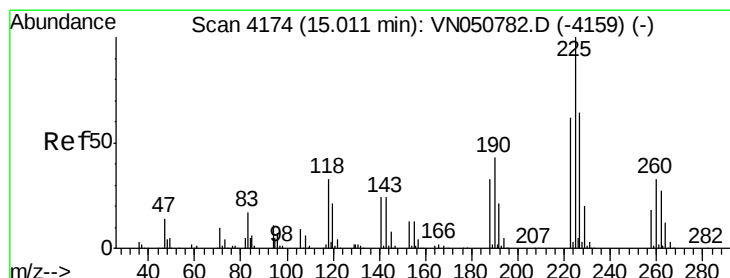
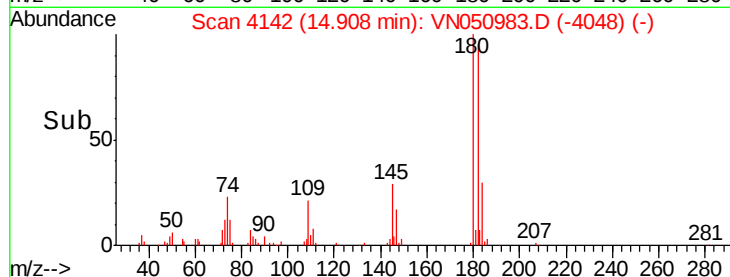
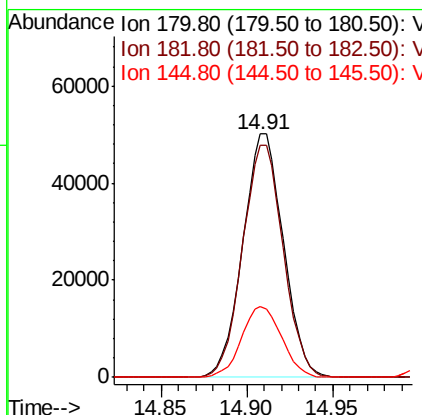
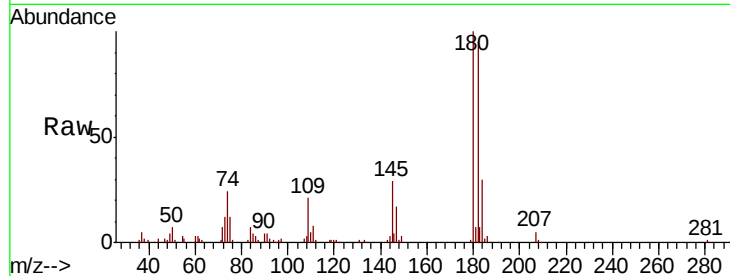
#93
 1,2,4-Trichlorobenzene
 Concen: 16.28 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82011		
182	95.7	48.2	144.6	
145	28.8	14.1	42.2	

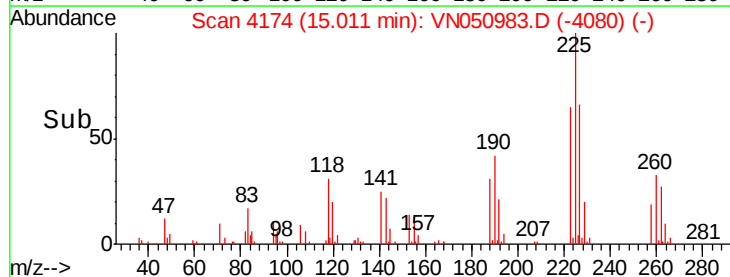
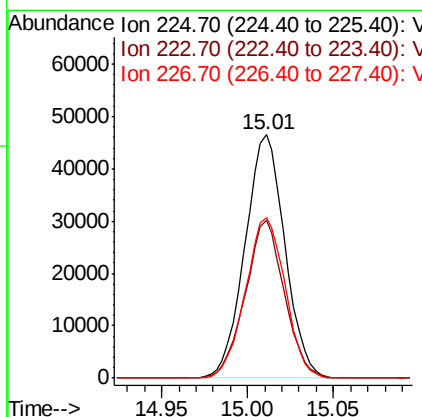
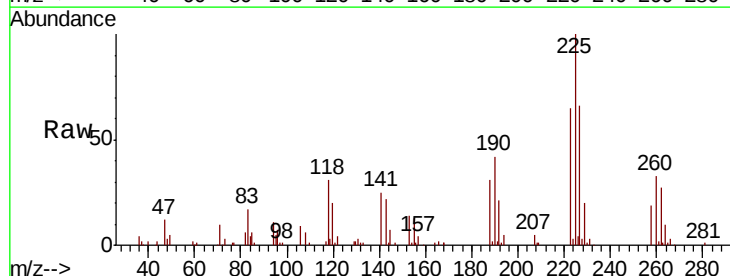
Manual Integrations
 APPROVED

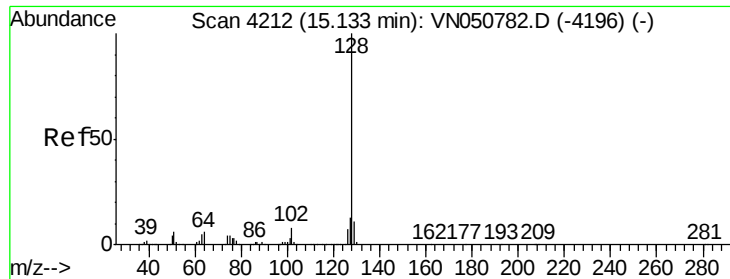
MMDadoda
 9/4/2018 12:27:59 PM



#94
 Hexachlorobutadiene
 Concen: 20.59 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050983.D
 Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	74732		
223	63.5	31.3	93.8	
227	65.7	32.0	96.2	





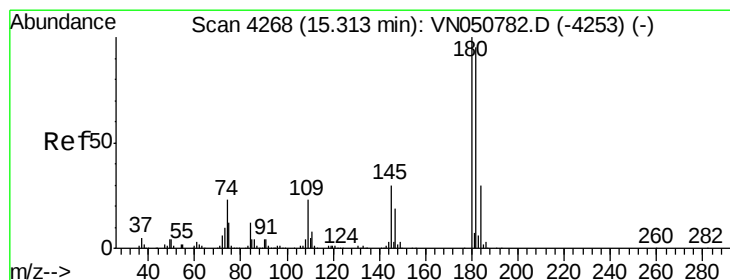
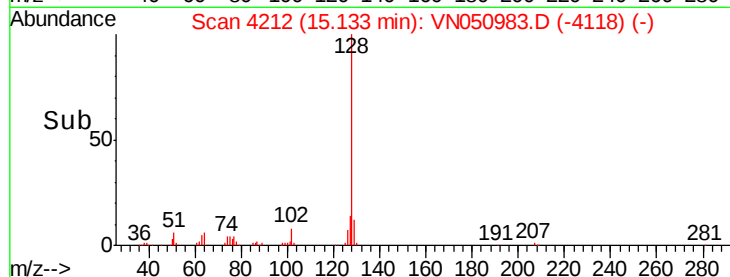
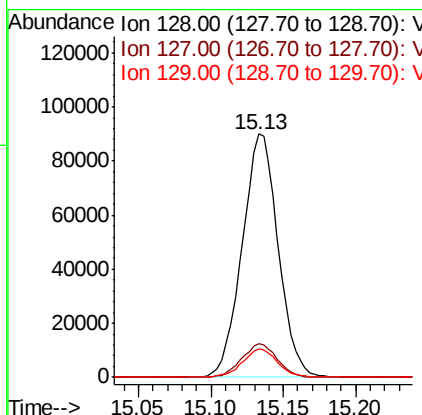
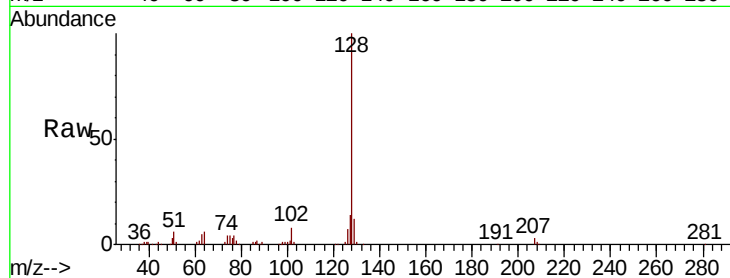
#95
Naphthalene
Concen: 16.19 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Instrument :
MSVOA_N
ClientSampleId :
VN0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	155587		
127	13.4	10.5	15.7	
129	11.3	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:27:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.53 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. 0.00 min
Lab File: VN050983.D
Acq: 31 Aug 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88205		
182	96.2	48.0	144.2	
145	29.8	15.2	45.6	

