

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050787.D
 Acq On : 21 Aug 2018 14:32
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:19:10 AM

Quant Time: Aug 22 06:54:12 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	7.66	168	698265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	984465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	912781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	473245	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	403309	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	7.59	113	387311	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.09	98	1478348	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	491005	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	530233	56.74	ug/l	98
3) Chloromethane	2.06	50	572151	49.64	ug/l	100
4) Vinyl Chloride	2.18	62	557001	51.02	ug/l	99
5) Bromomethane	2.56	94	310354	50.02	ug/l	98
6) Chloroethane	2.70	64	315119	49.95	ug/l	98
7) Trichlorofluoromethane	3.01	101	708548	50.68	ug/l	99
8) Diethyl Ether	3.41	74	242205	50.95	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	443402	50.76	ug/l	100
10) Methyl Iodide	3.95	142	386262	50.34	ug/l	99
11) Tert butyl alcohol	4.79	59	127333	237.88	ug/l	99
12) 1,1-Dichloroethene	3.74	96	402370	51.31	ug/l	97
13) Acrolein	3.61	56	67869	219.48	ug/l	100
14) Allyl chloride	4.32	41	628255	51.41	ug/l	99
15) Acrylonitrile	4.99	53	683488	251.25	ug/l	98
16) Acetone	3.82	43	479174	240.45	ug/l	100
17) Carbon Disulfide	4.05	76	1278197	48.62	ug/l	100
18) Methyl Acetate	4.33	43	358943	45.22	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1032966	52.36	ug/l	100
20) Methylene Chloride	4.55	84	448507	47.34	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432048	50.93	ug/l	99
22) Diisopropyl ether	5.95	45	1293779	53.12	ug/l	98
23) Vinyl Acetate	5.90	43	4184564	266.80	ug/l	100
24) 1,1-Dichloroethane	5.85	63	779288	49.84	ug/l	99
25) 2-Butanone	6.84	43	756702	223.37	ug/l	100
26) 2,2-Dichloropropane	6.82	77	640131	50.95	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	473342	51.76	ug/l	100
28) Bromochloromethane	7.19	49	325226	48.95	ug/l	99
29) Tetrahydrofuran	7.21	42	489898	252.23	ug/l	99
30) Chloroform	7.37	83	773343	49.95	ug/l	99
31) Cyclohexane	7.65	56	723037	50.88	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	669746	50.36	ug/l	99
36) 1,1-Dichloropropene	7.79	75	616575	53.07	ug/l	100
37) Ethyl Acetate	6.93	43	335425	50.26	ug/l	99
38) Carbon Tetrachloride	7.77	117	603548	51.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	704346	56.04	ug/l	97
40) Benzene	8.04	78	1812200	51.73	ug/l	99
41) Methacrylonitrile	7.18	41	187566	51.94	ug/l	96
42) 1,2-Dichloroethane	8.12	62	537013	51.27	ug/l	100
43) Isopropyl Acetate	8.17	43	588405	51.28	ug/l	100
44) Trichloroethene	8.83	130	476916	51.62	ug/l	99
45) 1,2-Dichloropropane	9.12	63	471050	51.16	ug/l	99
46) Dibromomethane	9.21	93	270655	50.03	ug/l	98
47) Bromodichloromethane	9.40	83	585103	51.64	ug/l	99
48) Methyl methacrylate	9.20	41	304120	52.01	ug/l	99
49) 1,4-Dioxane	9.20	88	82608	1036.30	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1668790	243.72	ug/l	100
52) Toluene	10.16	92	1131146	54.51	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	595585	52.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	697578	54.01	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	388765	50.47	ug/l	98
56) Ethyl methacrylate	10.43	69	475522	47.58	ug/l	99
57) 1,3-Dichloropropane	10.71	76	658765	51.82	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1038009	238.03	ug/l	100
59) 2-Hexanone	10.75	43	1118161	245.31	ug/l	100
60) Dibromochloromethane	10.90	129	448211	51.97	ug/l	99
61) 1,2-Dibromoethane	11.00	107	387130	51.98	ug/l	99
64) Tetrachloroethene	10.63	164	441210	50.89	ug/l	99
65) Chlorobenzene	11.43	112	1223114	51.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	448069	51.33	ug/l	99
67) Ethyl Benzene	11.51	91	2115679	54.55	ug/l	100
68) m/p-Xylenes	11.62	106	1632404	110.88	ug/l	99
69) o-Xylene	11.95	106	777559	54.94	ug/l	99
70) Styrene	11.96	104	1249019	50.07	ug/l	99
71) Bromoform	12.13	173	306042	50.98	ug/l #	99
73) Isopropylbenzene	12.25	105	2070505	52.84	ug/l	100
74) N-amyl acetate	12.07	43	504519	51.24	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	473520	50.71	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	373559m	45.07	ug/l	
77) Bromobenzene	12.53	156	522374	49.05	ug/l	98
78) n-propylbenzene	12.59	91	2391382	54.63	ug/l	100
79) 2-Chlorotoluene	12.67	91	1403282	51.46	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1705280	53.93	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124659	50.84	ug/l	100
82) 4-Chlorotoluene	12.77	91	1423617	52.89	ug/l	100
83) tert-Butylbenzene	12.99	119	1454213	53.11	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1717277	53.99	ug/l	99
85) sec-Butylbenzene	13.17	105	1941442	54.11	ug/l	100
86) p-Isopropyltoluene	13.29	119	1711080	55.96	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	917232	50.75	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	880578	49.51	ug/l	99
89) n-Butylbenzene	13.62	91	1389526	56.82	ug/l	100
90) Hexachloroethane	13.87	117	305041	52.34	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	862167	49.45	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64776	46.03	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434266	48.05	ug/l	99
94) Hexachlorobutadiene	15.01	225	274070	53.09	ug/l	99
95) Naphthalene	15.13	128	823984	44.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	412309	48.59	ug/l	100

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

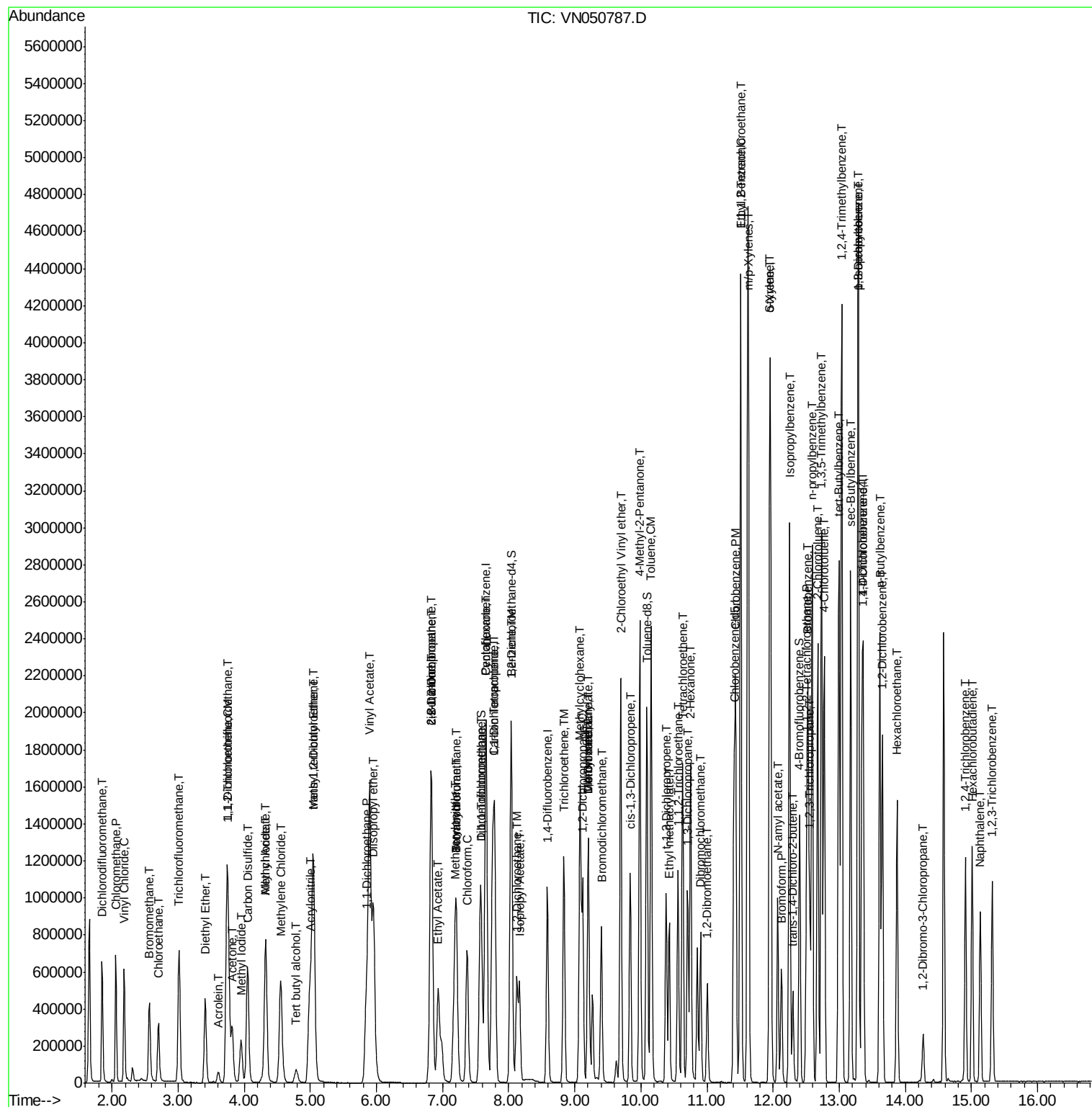
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Data File : VN050787.D
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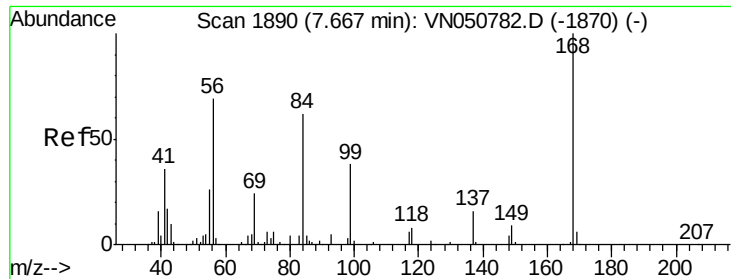
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion:168 Resp: 698265

Ion Ratio Lower Upper

168 100

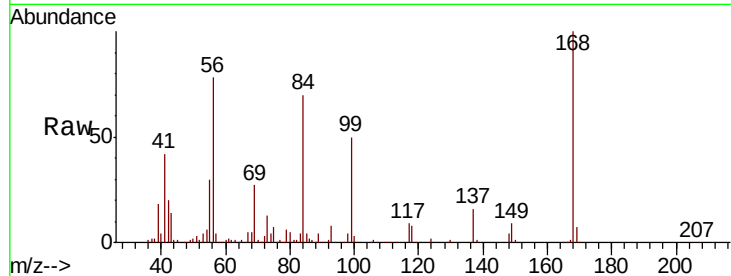
99 50.0 39.6 59.4

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

7.66

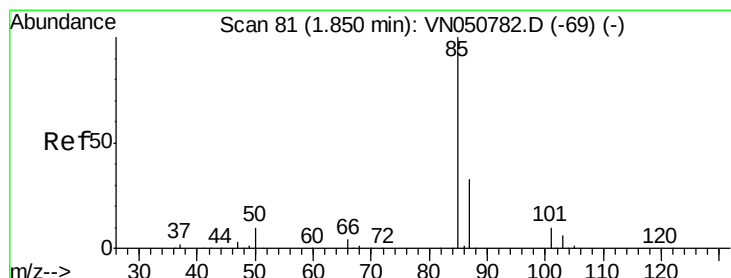
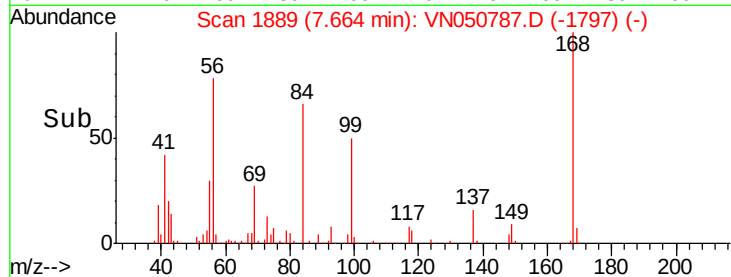
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.74 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050787.D

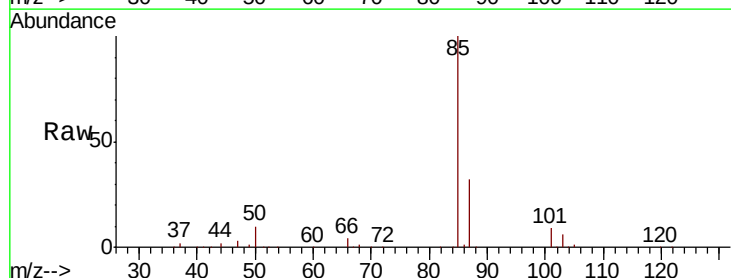
Acq: 21 Aug 2018 14:32

Tgt Ion: 85 Resp: 530233

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

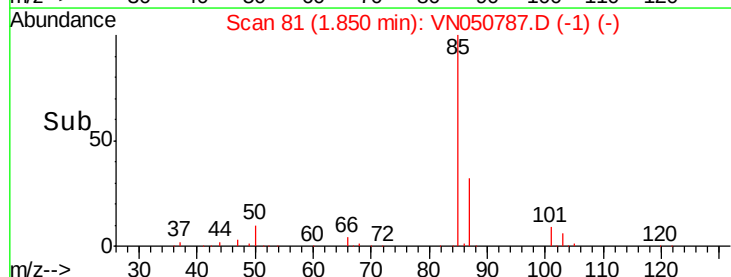
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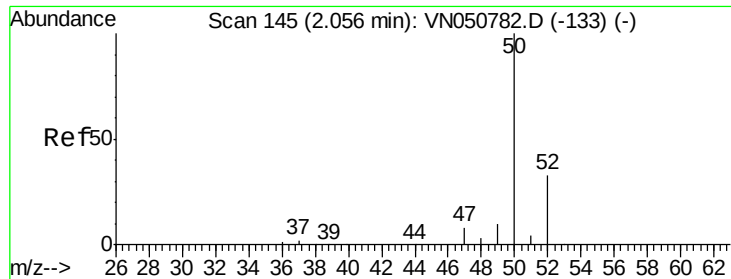
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.64 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 50 Resp: 572151

Ion Ratio Lower Upper

50 100

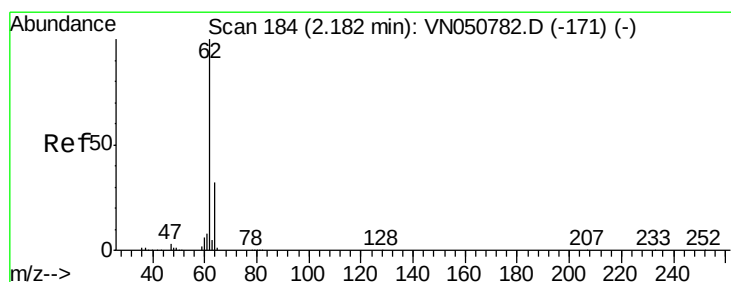
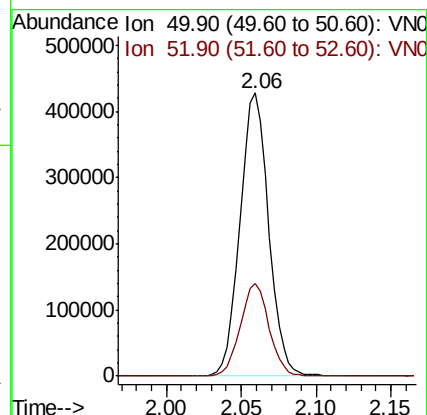
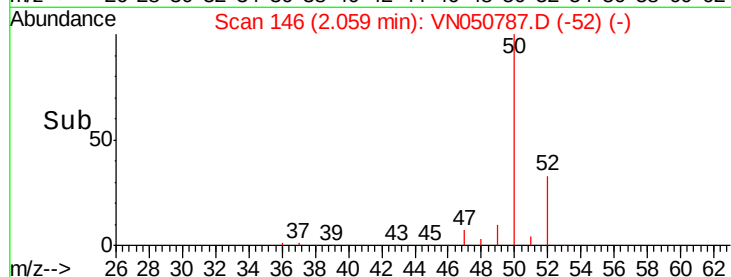
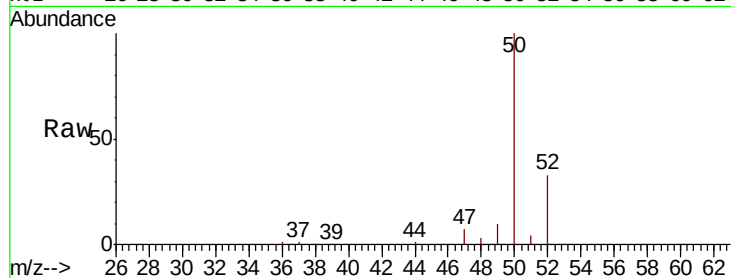
52 32.8 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.02 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050787.D

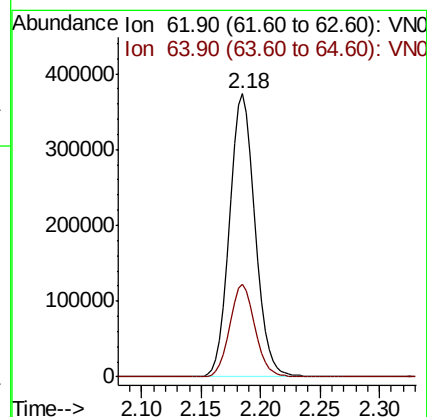
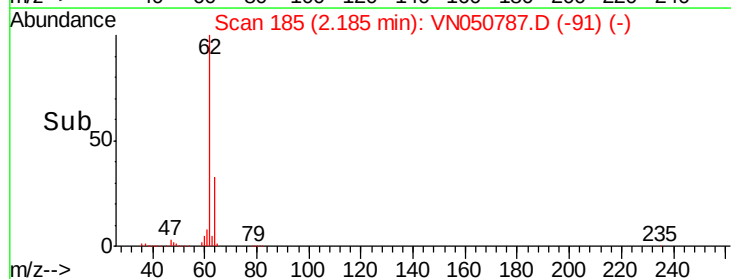
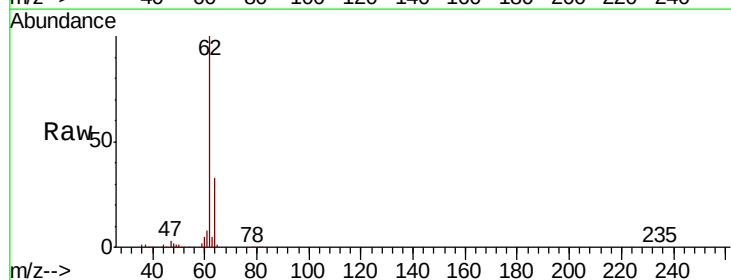
Acq: 21 Aug 2018 14:32

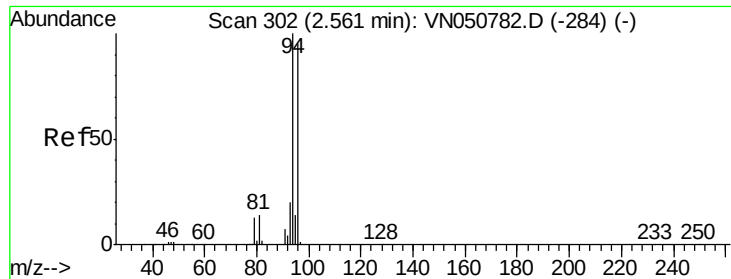
Tgt Ion: 62 Resp: 557001

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 50.02 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 310354

Ion Ratio Lower Upper

94 100

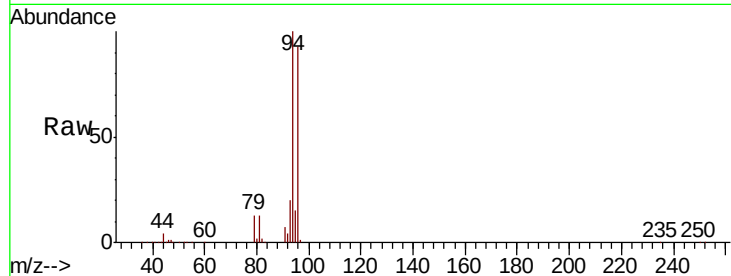
96 93.5 76.2 114.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

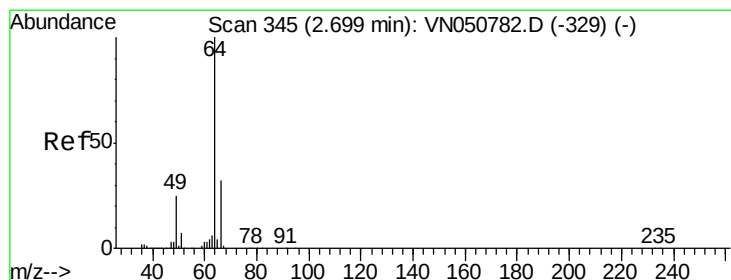
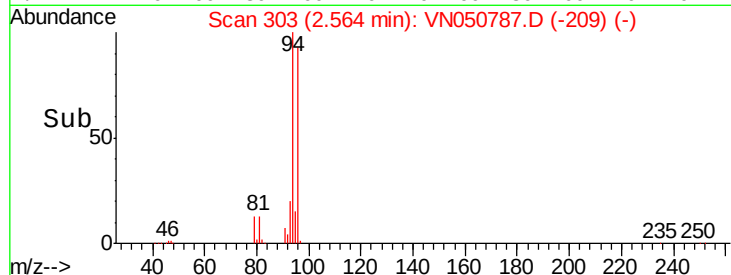
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 49.95 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050787.D

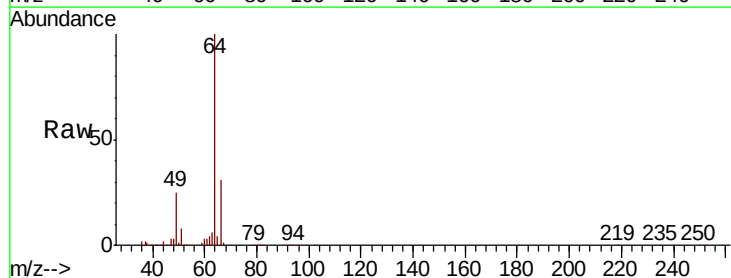
Acq: 21 Aug 2018 14:32

Tgt Ion: 64 Resp: 315119

Ion Ratio Lower Upper

64 100

66 30.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

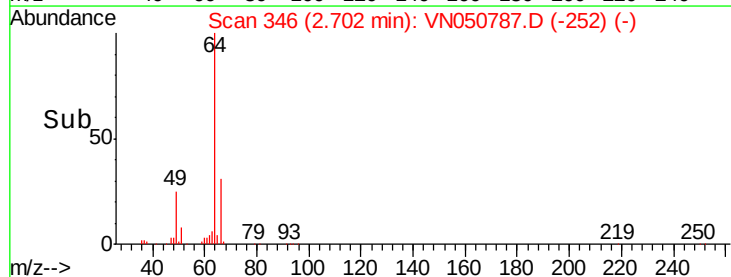
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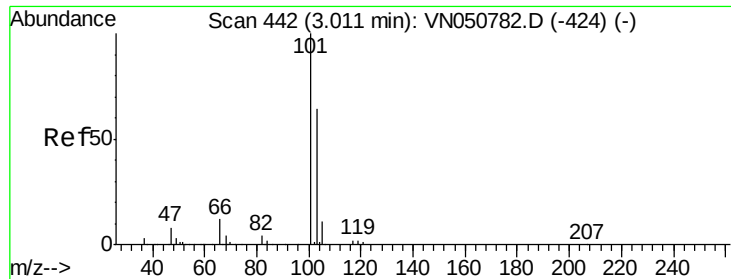
100000

50000

0

Time--> 2.60 2.70 2.80





#7

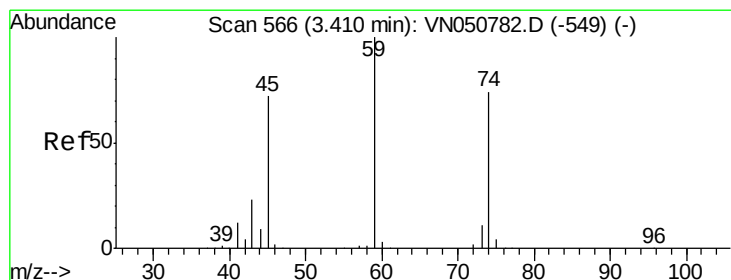
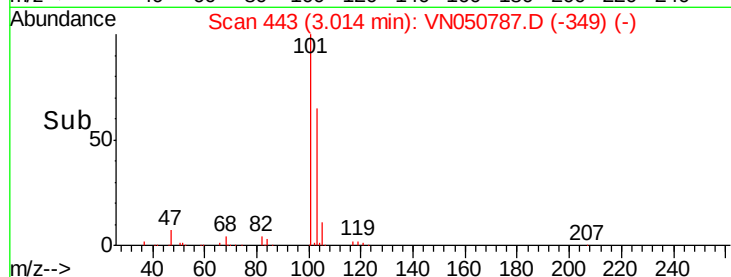
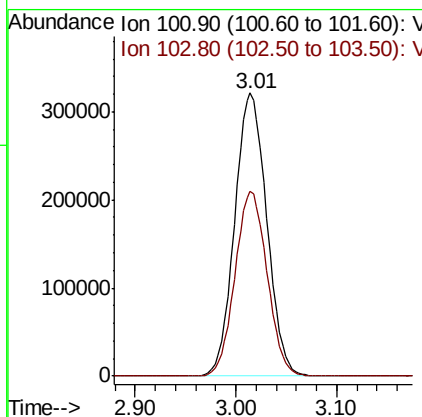
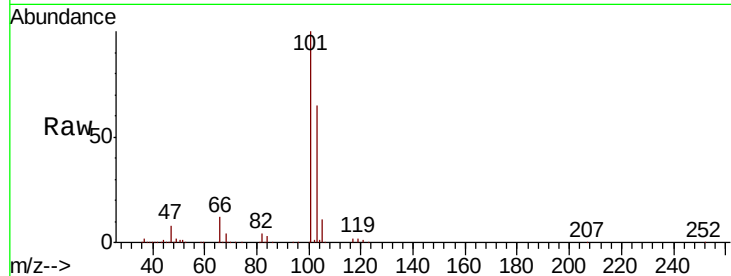
Trichlorofluoromethane
Concen: 50.68 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

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ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.6	77.4

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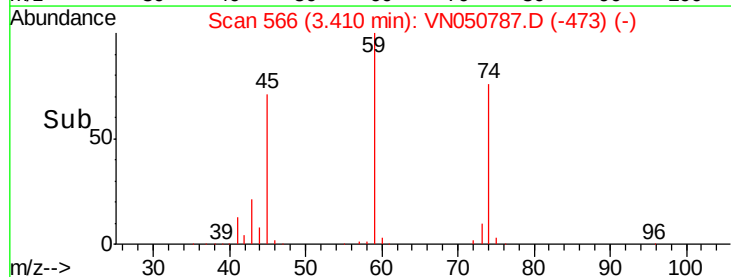
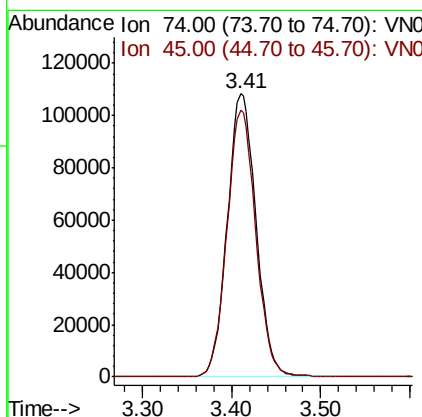
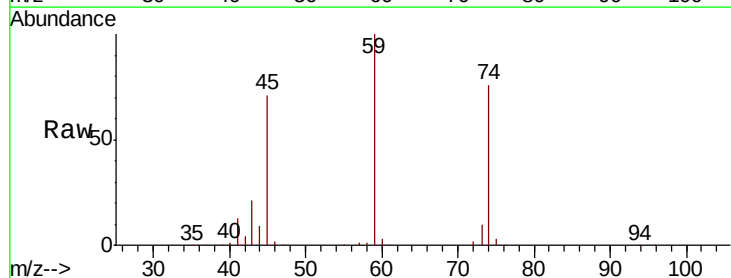
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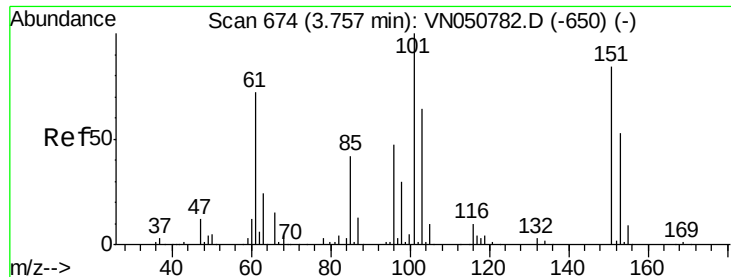


#8

Diethyl Ether
Concen: 50.95 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.76 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

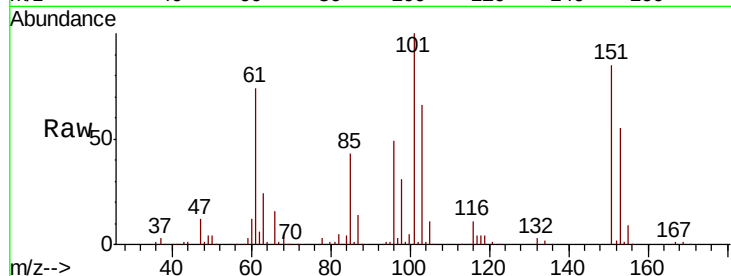
ClientSampled :

ICVVN082118

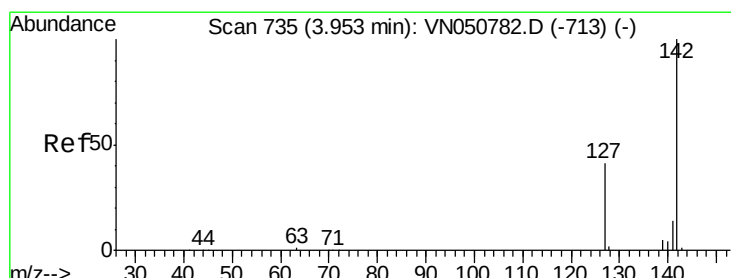
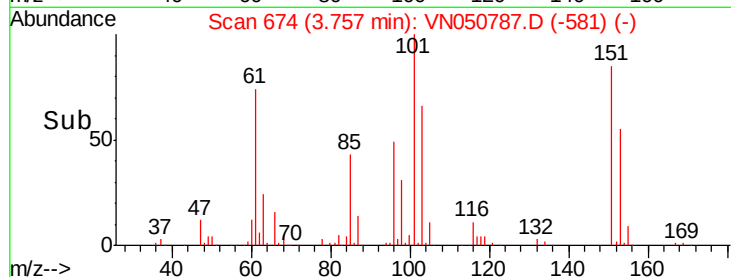
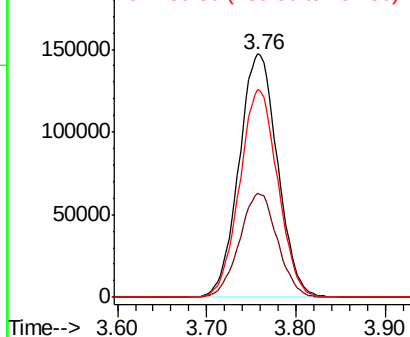
Tot Ion:	101	Resp:	443402
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	84.4	67.4	101.2

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Abundance Ion 100.90 (100.60 to 101.60): V
200000
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.34 ug/l

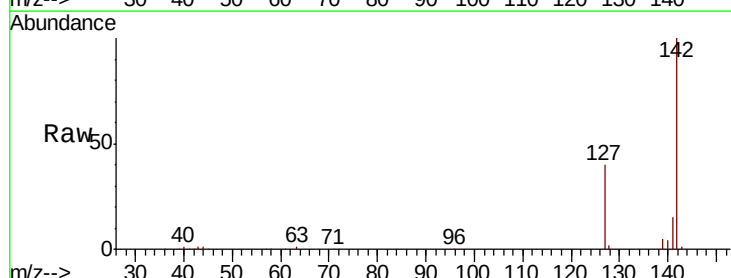
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

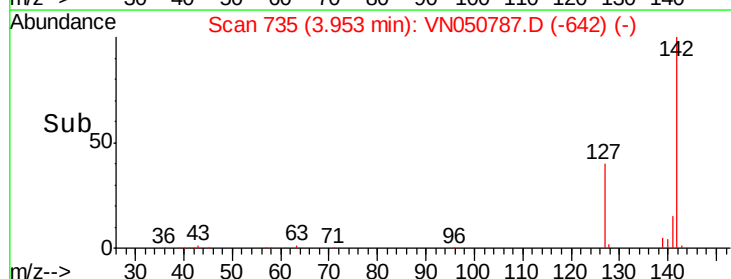
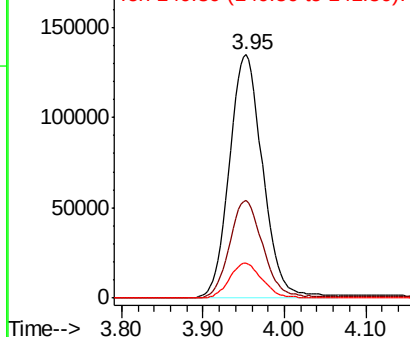
Lab File: VN050787.D

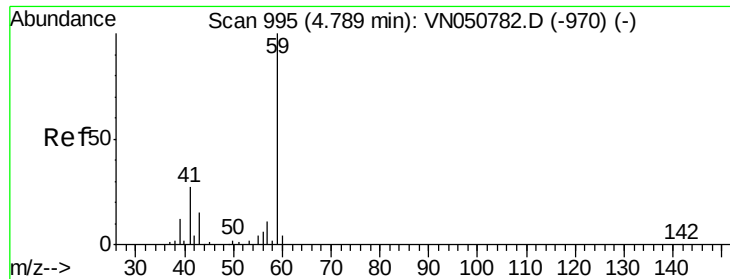
Acq: 21 Aug 2018 14:32

Tgt Ion:	142	Resp:	386262
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
150000
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

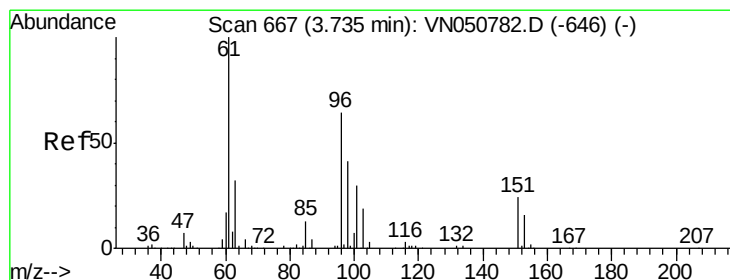
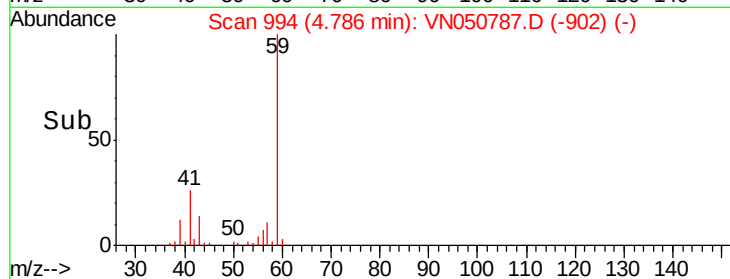
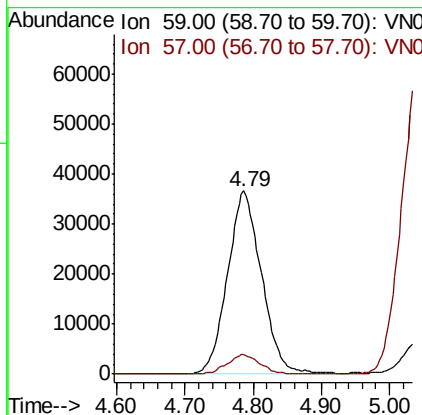
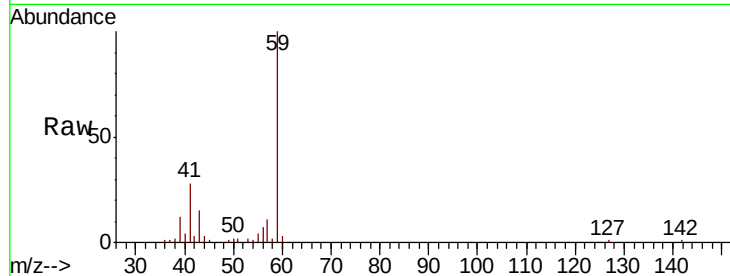
Tert butyl alcohol
Concen: 237.88 ug/l
RT: 4.79 min Scan# 994
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	59	57	Ratio	Lower	Upper
127333	100	10.2		8.3	12.5

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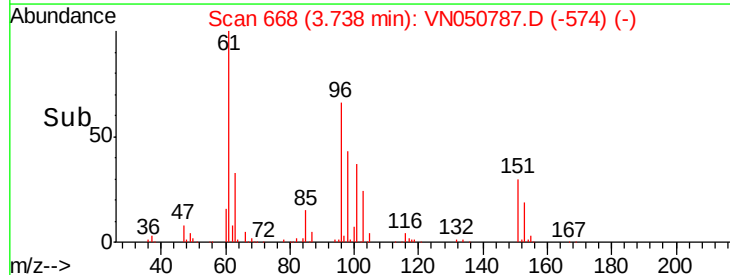
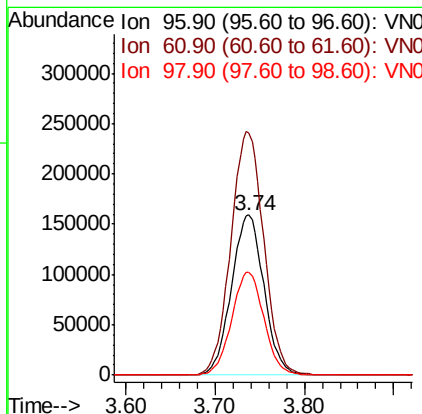
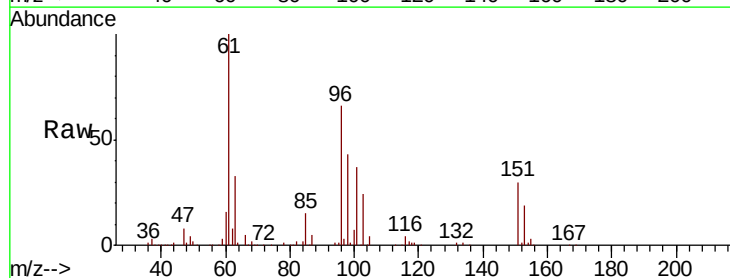
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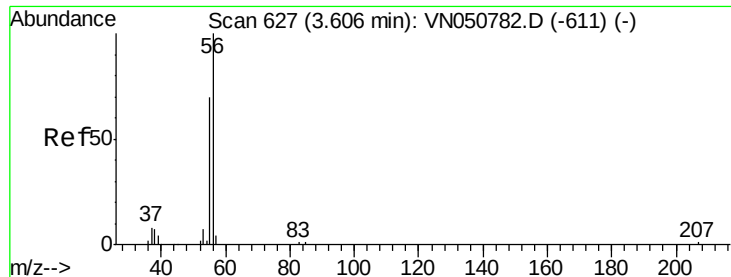


#12

1,1-Dichloroethene
Concen: 51.31 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	96	61	98	Ratio	Lower	Upper
402370	100	150.9	64.1		124.9	187.3





#13

Acrolein

Concen: 219.48 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 56 Resp: 67869

Ion Ratio Lower Upper

56 100

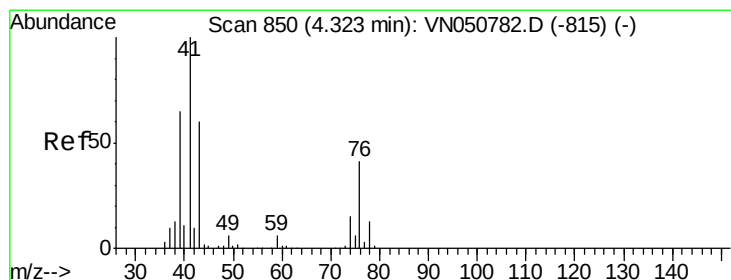
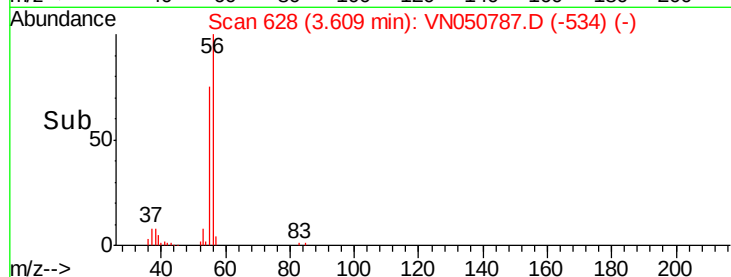
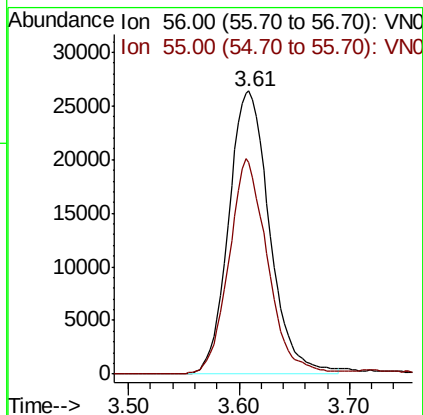
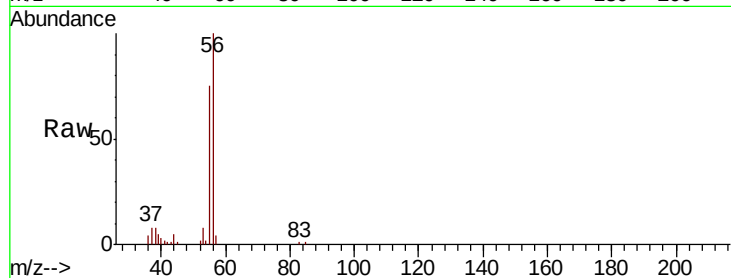
55 72.0 57.7 86.5

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#14

Allyl chloride

Concen: 51.41 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

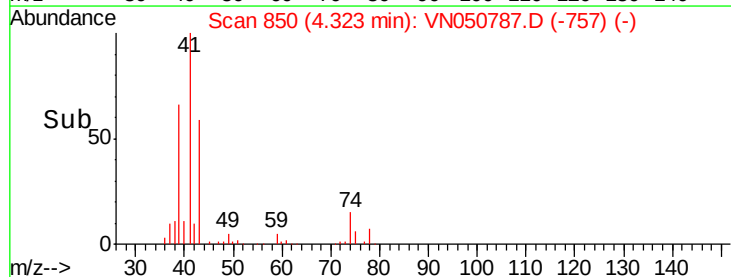
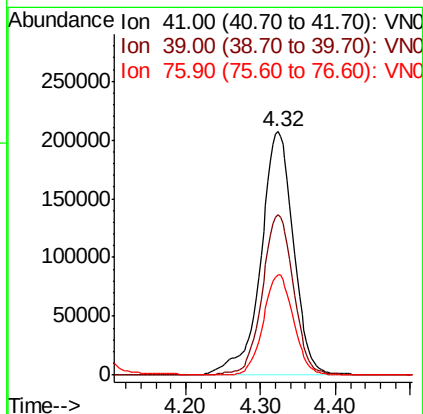
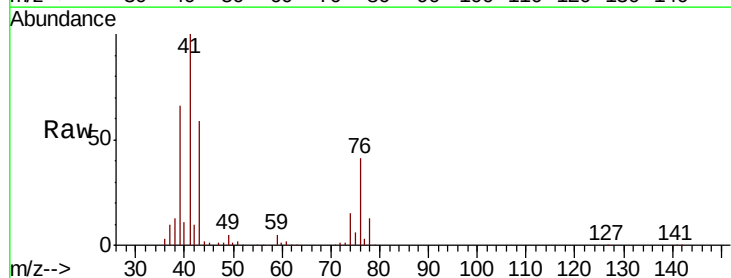
Tgt Ion: 41 Resp: 628255

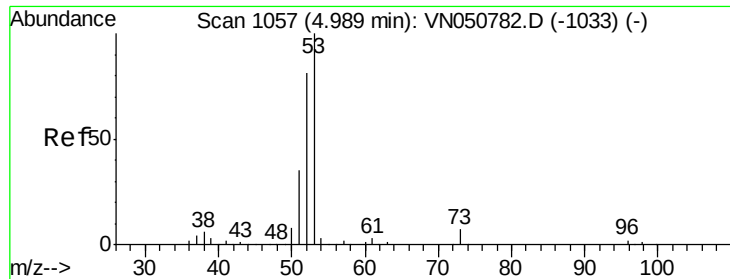
Ion Ratio Lower Upper

41 100

39 63.1 50.2 75.2

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 251.25 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

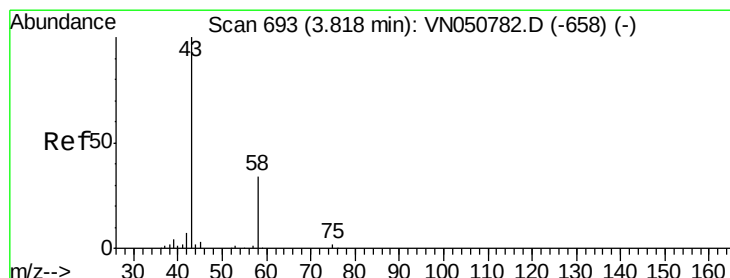
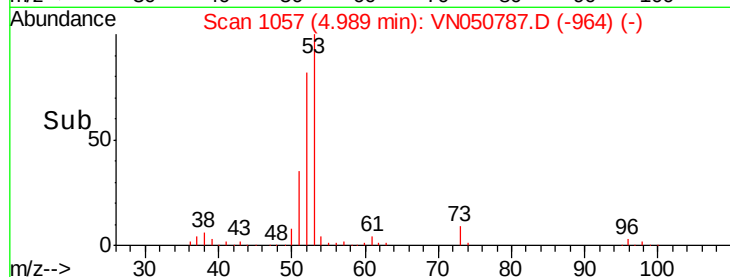
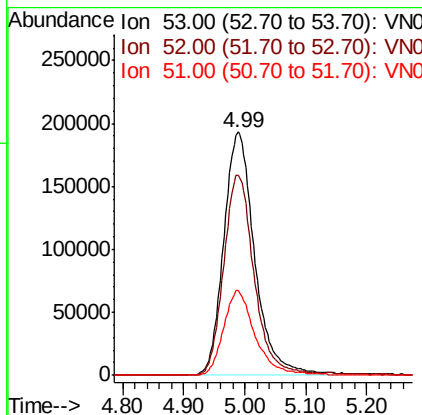
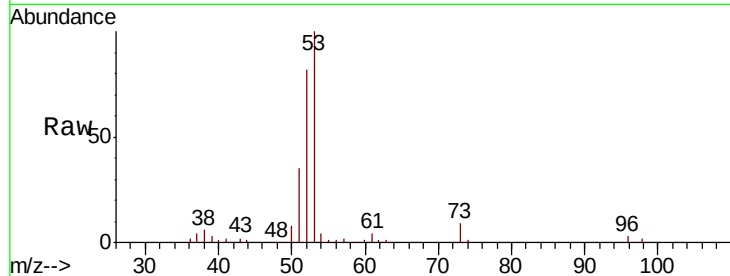
ClientSampleId :

ICVVN082118

Tot Ion:	53	Resp:	683488
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.9	98.9
51	35.2	28.6	43.0

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#16

Acetone

Concen: 240.45 ug/l

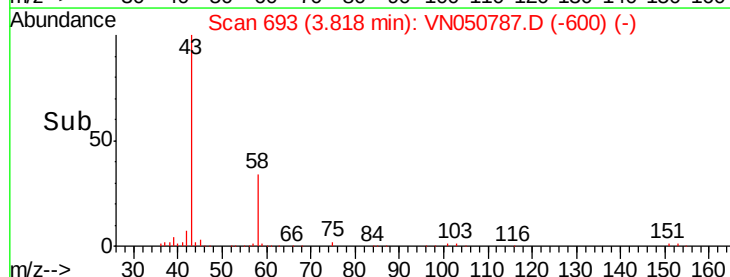
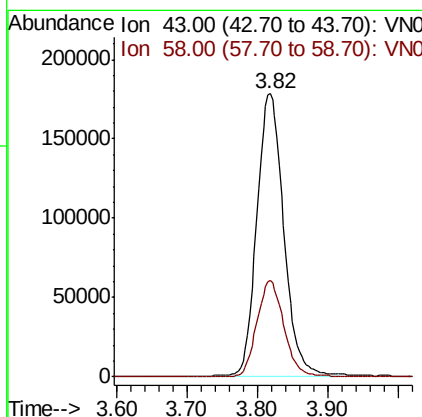
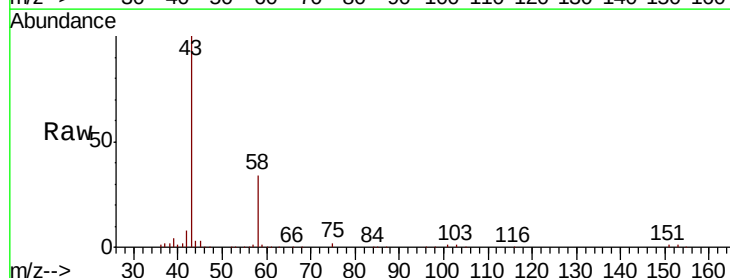
RT: 3.82 min Scan# 693

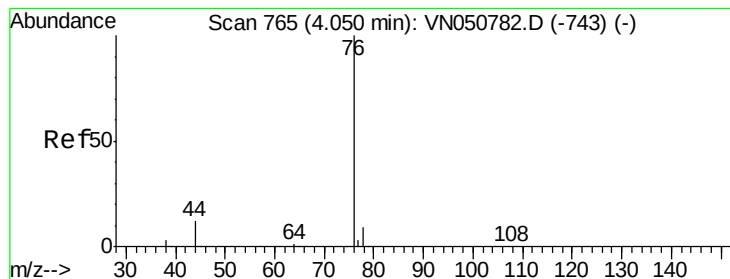
Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion:	43	Resp:	479174
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





#17

Carbon Disulfide

Concen: 48.62 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 76 Resp: 1278197

Ion Ratio Lower Upper

76 100

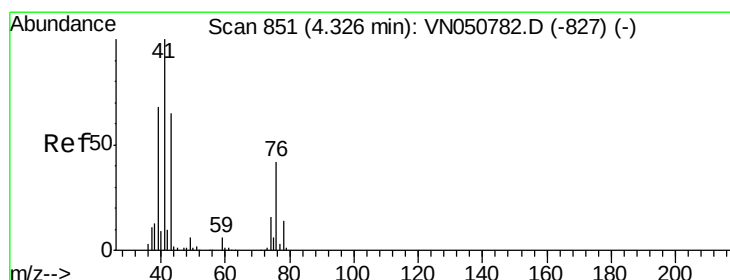
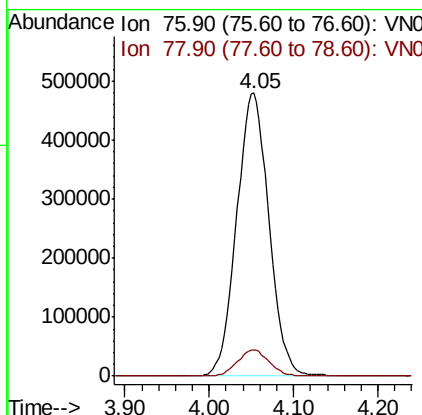
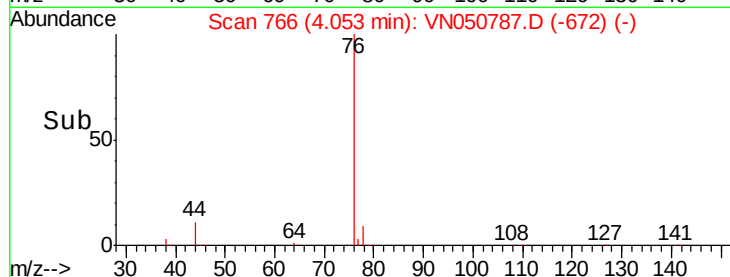
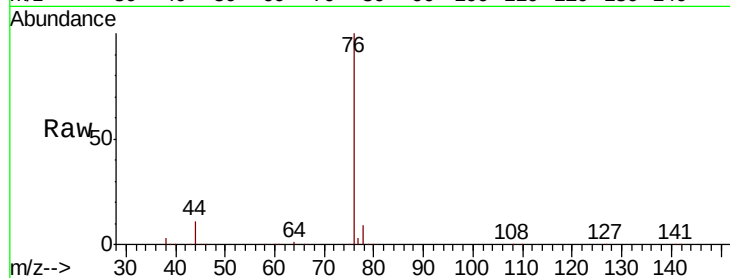
78 9.3 7.3 10.9

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#18

Methyl Acetate

Concen: 45.22 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050787.D

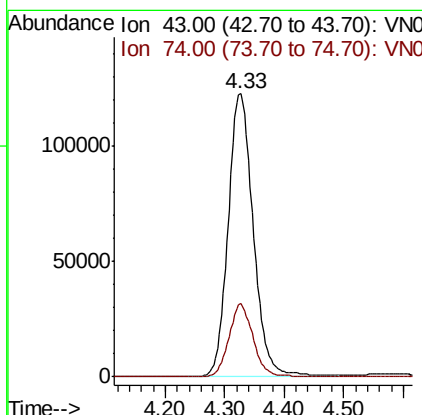
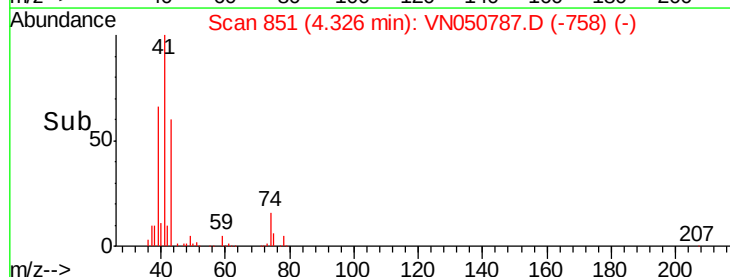
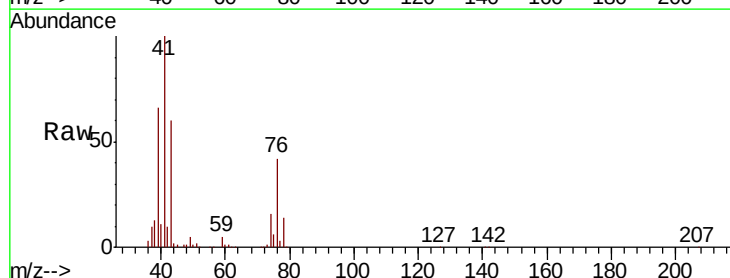
Acq: 21 Aug 2018 14:32

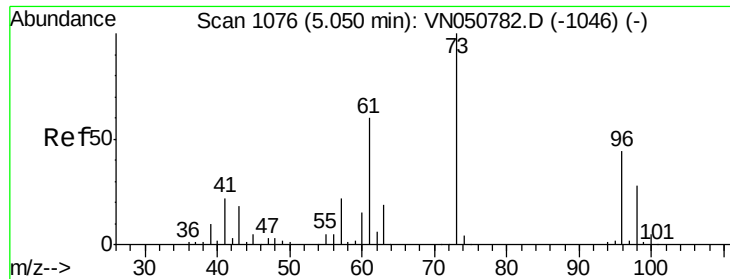
Tgt Ion: 43 Resp: 358943

Ion Ratio Lower Upper

43 100

74 25.0 19.8 29.8





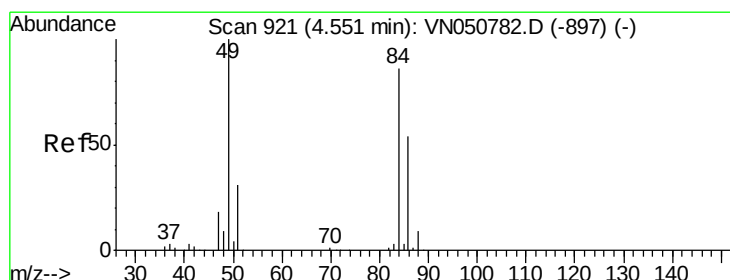
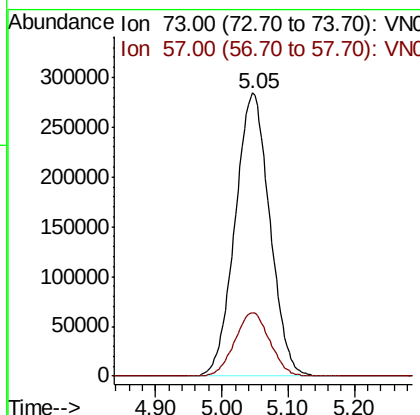
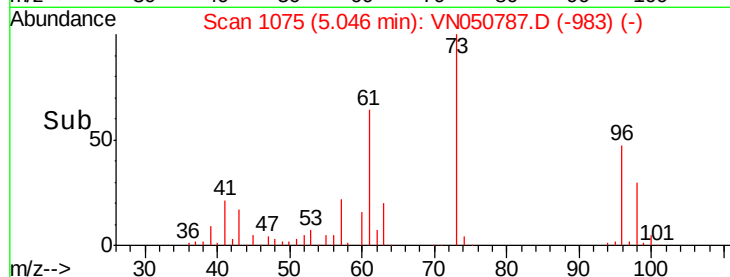
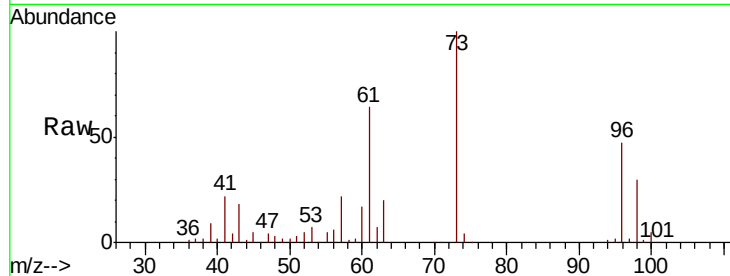
#19
Methyl tert-butyl Ether
Concen: 52.36 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion: 73 Resp: 1032966
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8

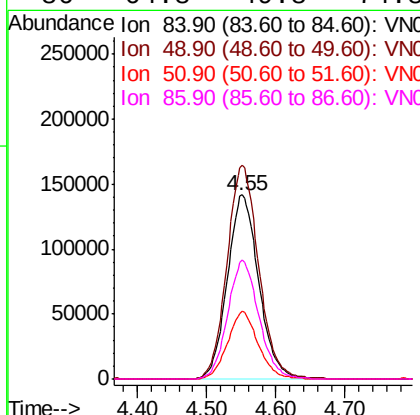
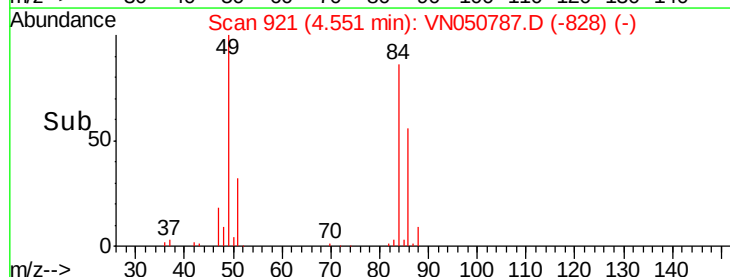
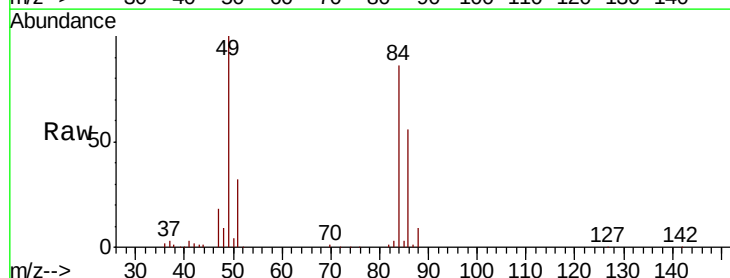
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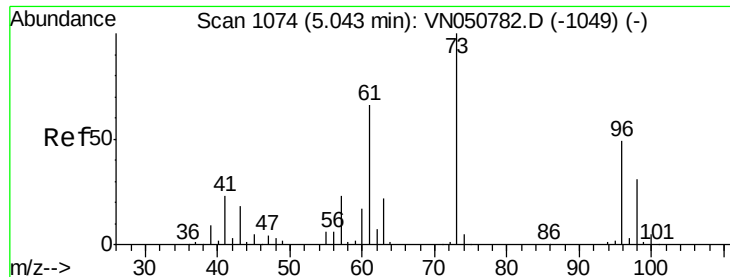
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#20
Methylene Chloride
Concen: 47.34 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 84 Resp: 448507
Ion Ratio Lower Upper
84 100
49 116.2 93.2 139.8
51 36.7 29.0 43.6
86 64.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.93 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

Tot Ion: 96 Resp: 432048

Ion Ratio Lower Upper

96 100

61 135.3 107.4 161.0

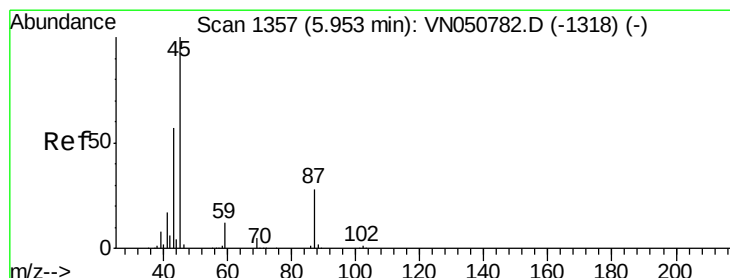
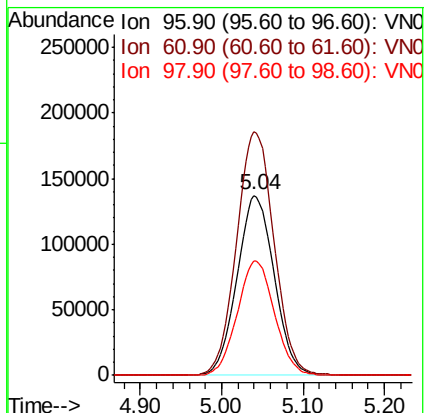
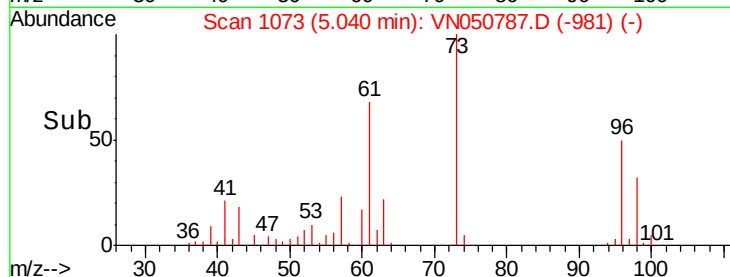
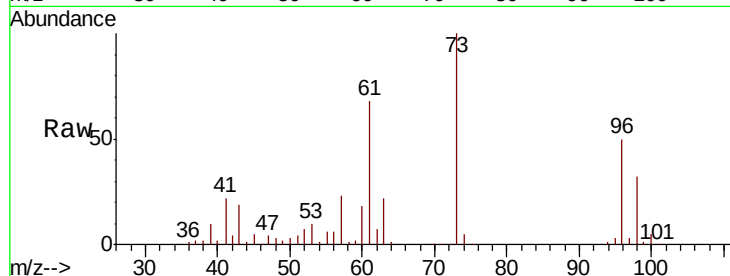
98 63.7 50.7 76.1

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#22

Diisopropyl ether

Concen: 53.12 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion: 45 Resp: 1293779

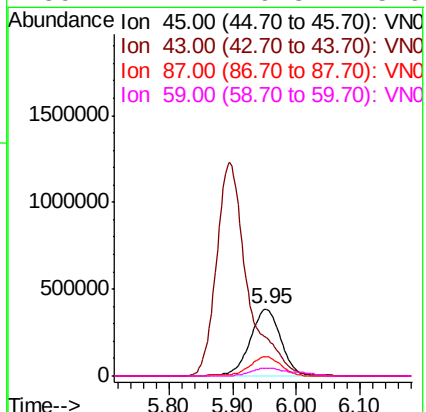
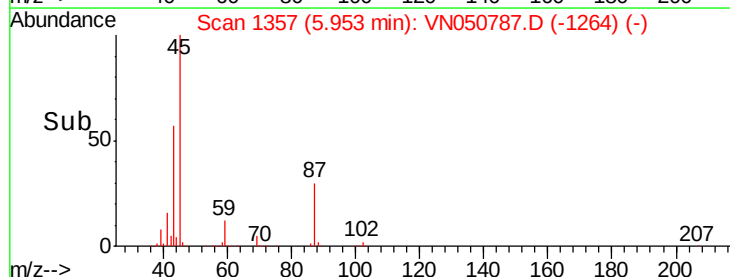
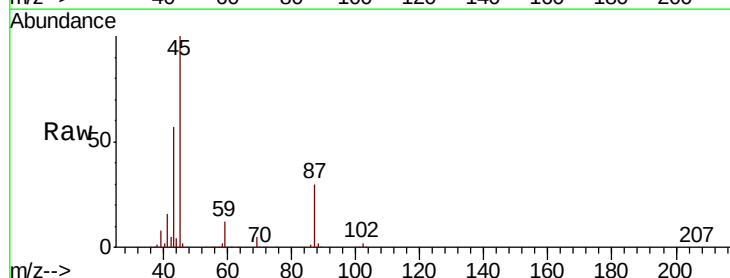
Ion Ratio Lower Upper

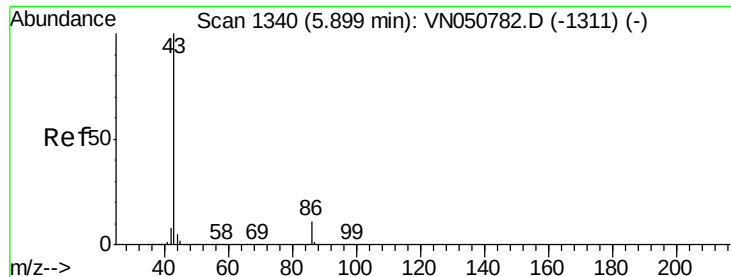
45 100

43 56.0 45.9 68.9

87 29.5 22.7 34.1

59 12.2 9.3 13.9





#23

Vinyl Acetate

Concen: 266.80 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

Tot Ion: 43 Resp: 4184564

Ion Ratio Lower Upper

43 100

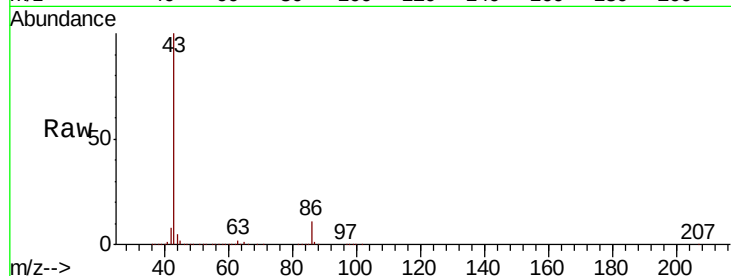
86 10.8 8.7 13.1

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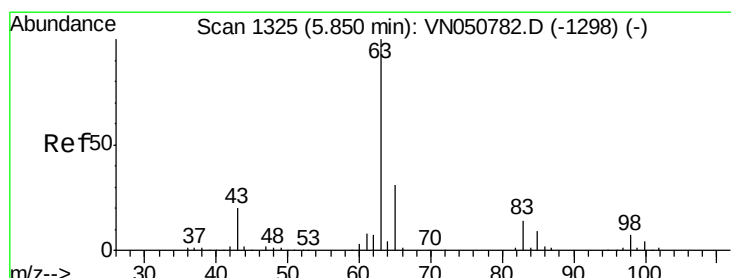
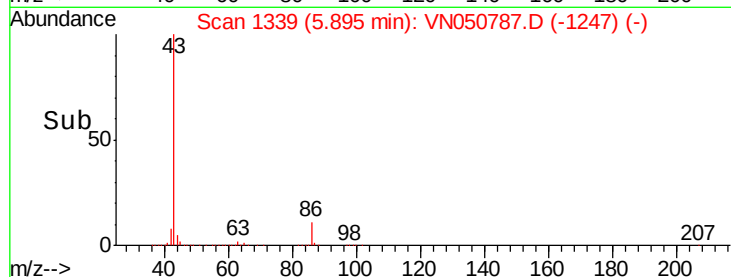
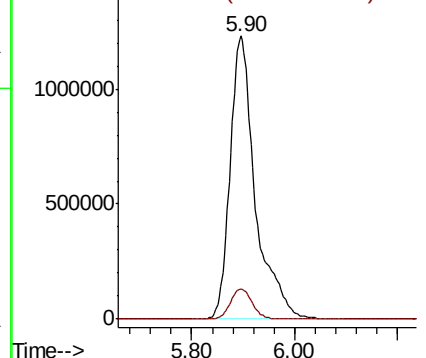
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.84 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

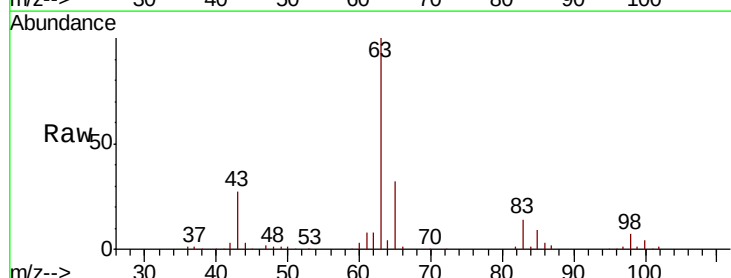
Tgt Ion: 63 Resp: 779288

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

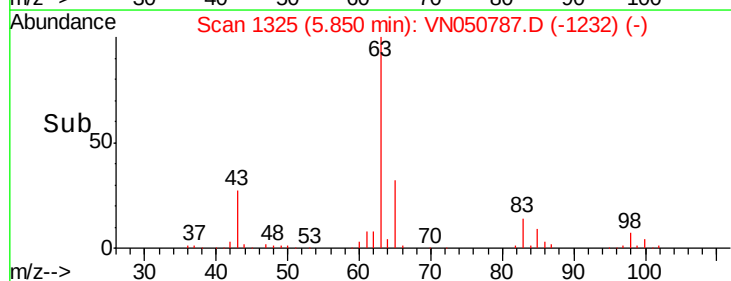
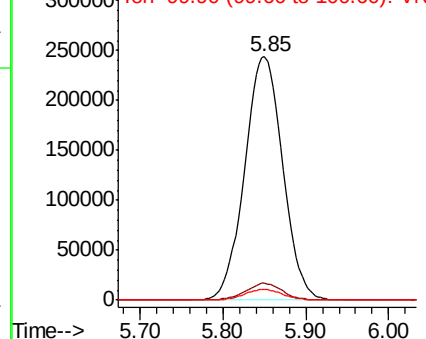
100 4.3 2.1 6.5

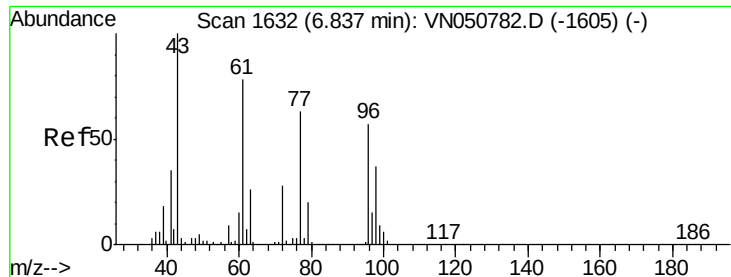


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 223.37 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 43 Resp: 756702

Ion Ratio Lower Upper

43 100

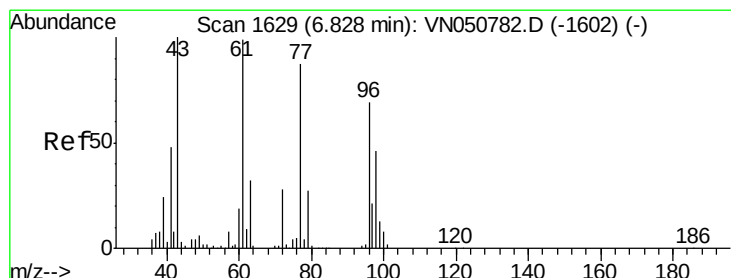
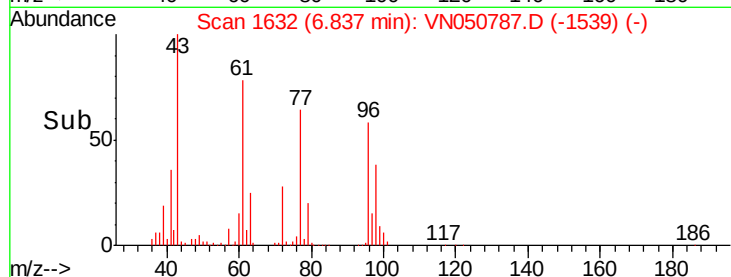
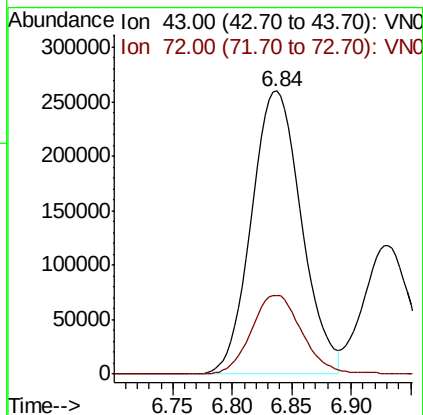
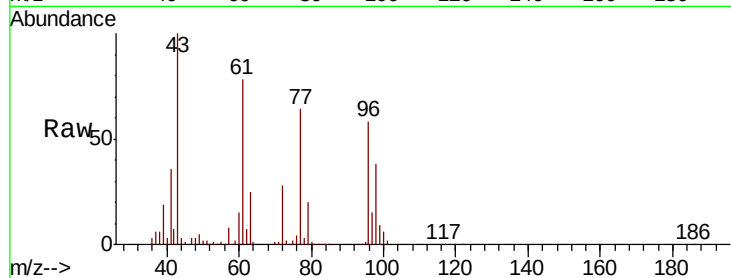
72 27.9 22.3 33.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.95 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050787.D

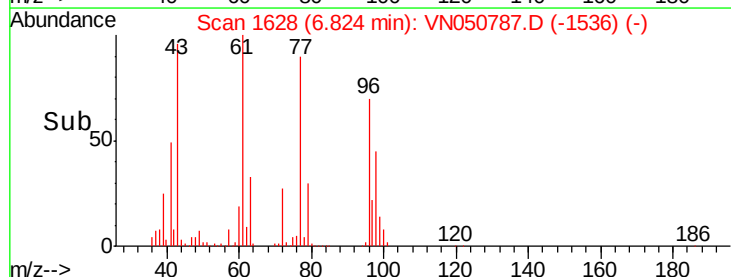
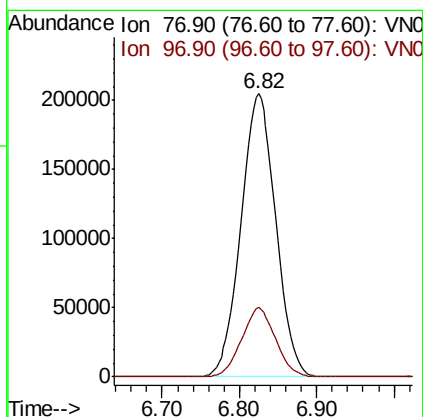
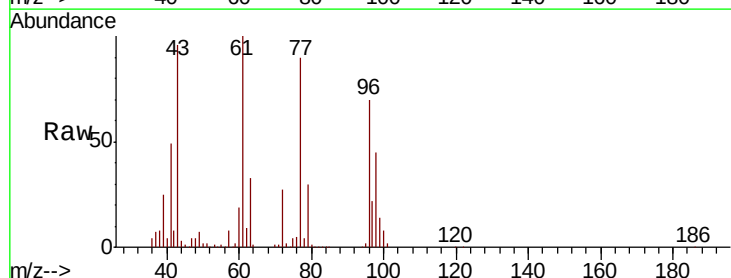
Acq: 21 Aug 2018 14:32

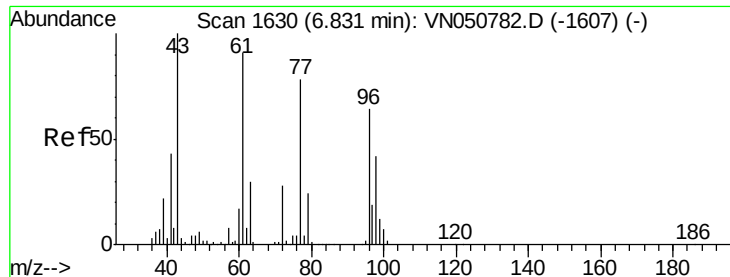
Tgt Ion: 77 Resp: 640131

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 51.76 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

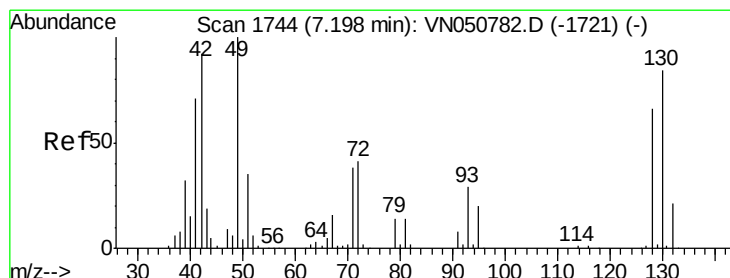
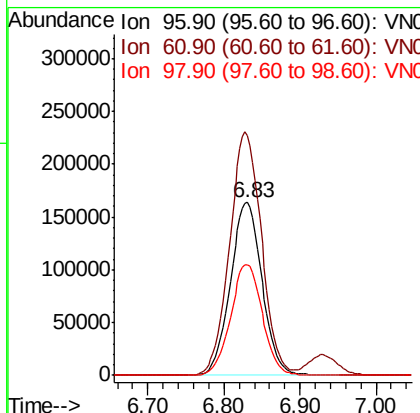
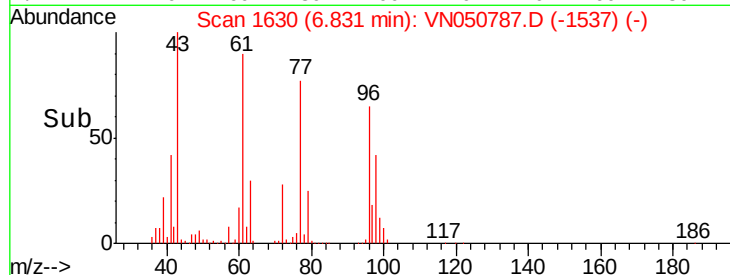
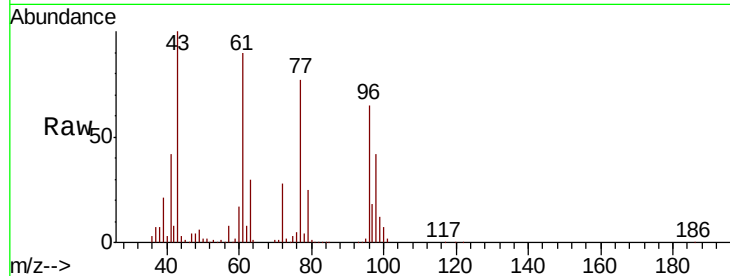
ClientSampleId :

ICVVN082118

Tot Ion:	96	Resp:	473342
Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	283.4
98	64.4	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.95 ug/l

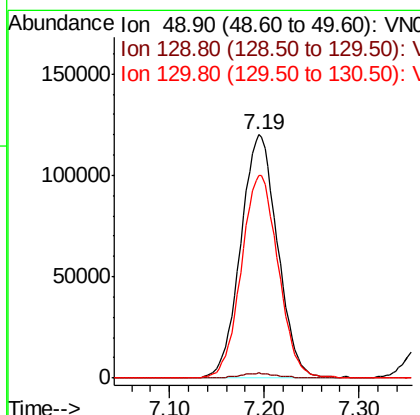
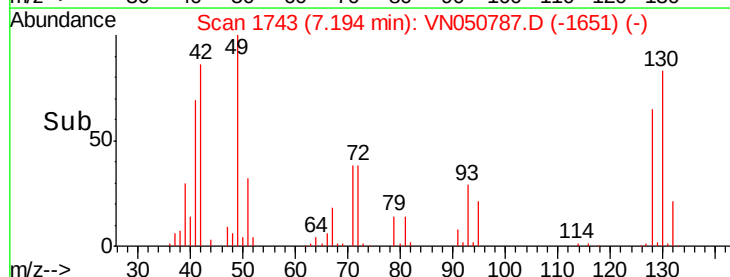
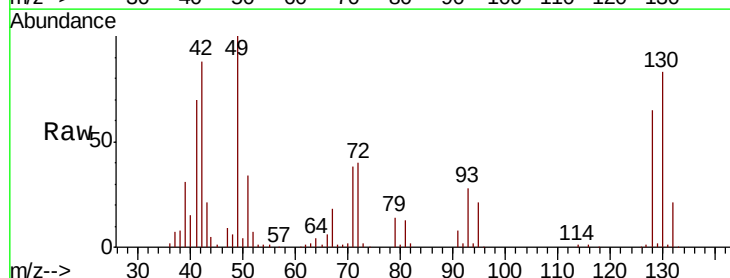
RT: 7.19 min Scan# 1743

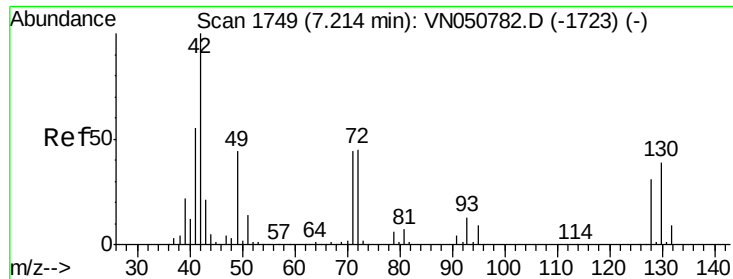
Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion:	49	Resp:	325226
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	83.2	67.1	100.7





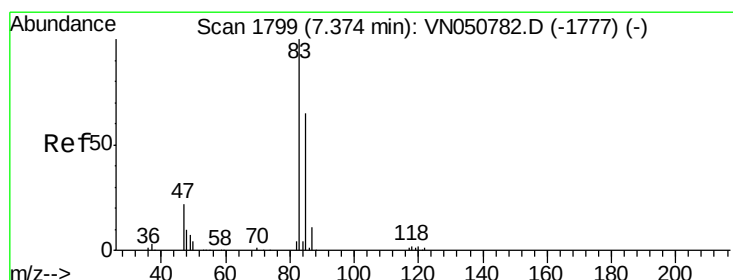
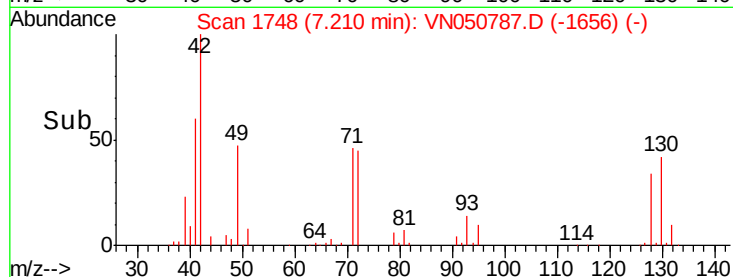
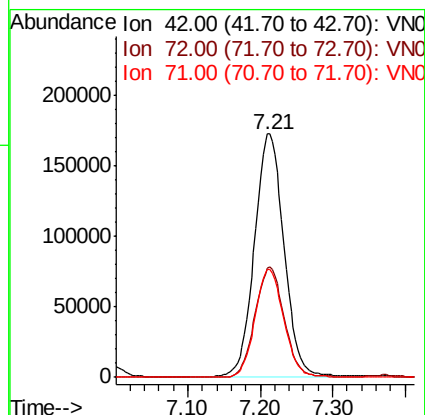
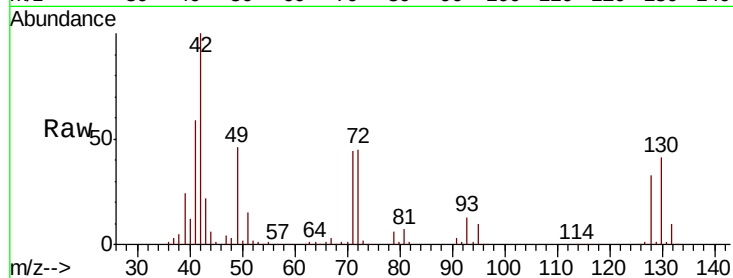
#29
Tetrahydrofuran
Concen: 252.23 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.5	53.3
71	43.2	33.7	50.5

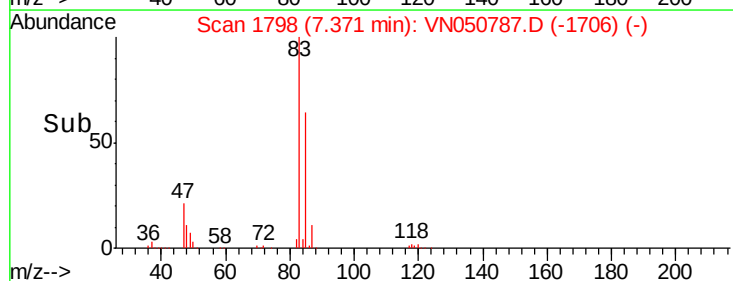
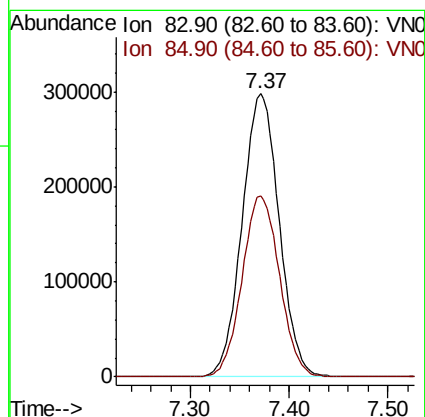
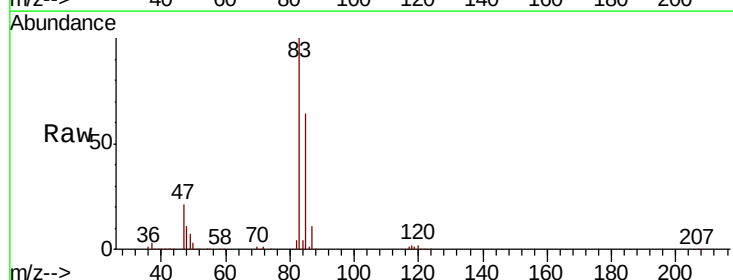
Manual Integrations
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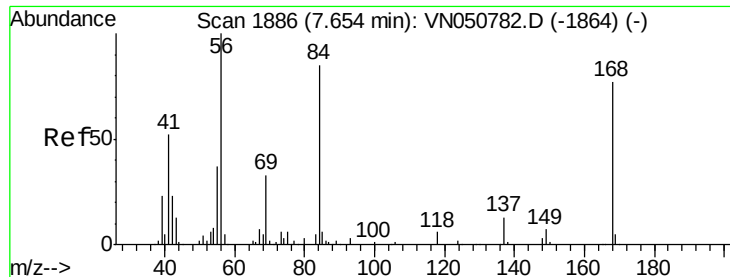
MMDadoda
8/22/2018 11:19:10 AM



#30
Chloroform
Concen: 49.95 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





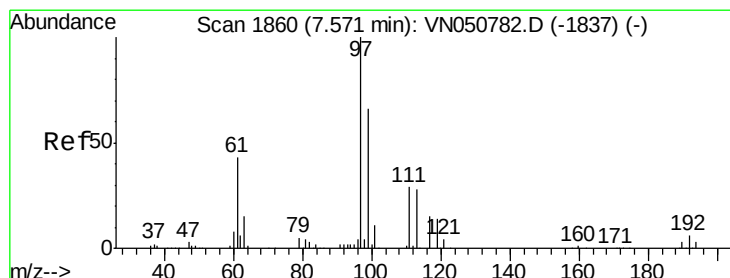
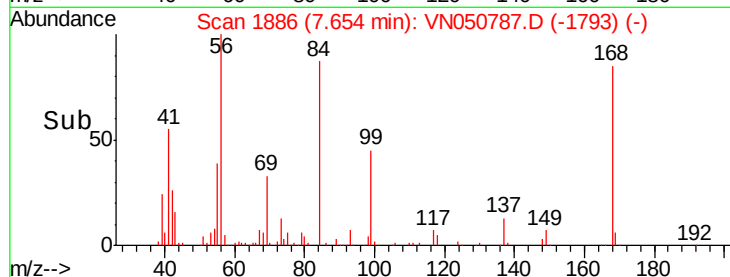
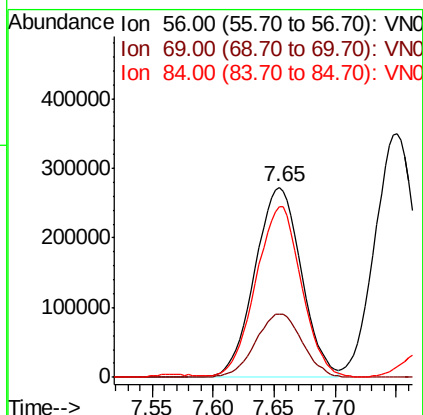
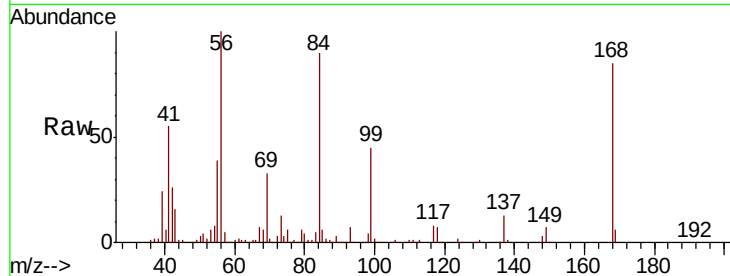
#31
Cyclohexane
Concen: 50.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.4
84	88.4	68.3	102.5

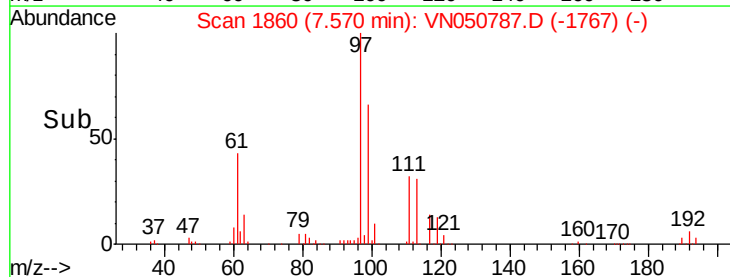
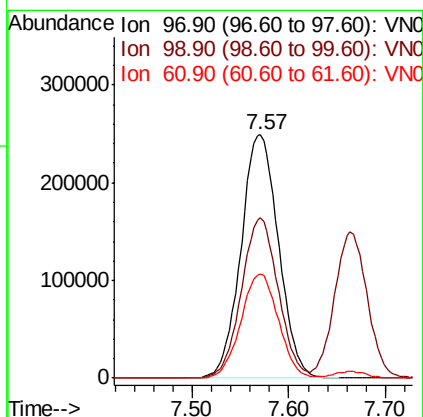
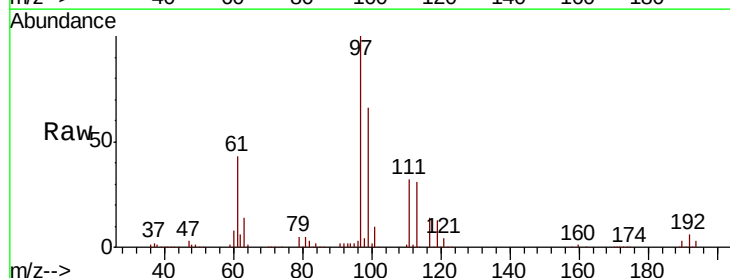
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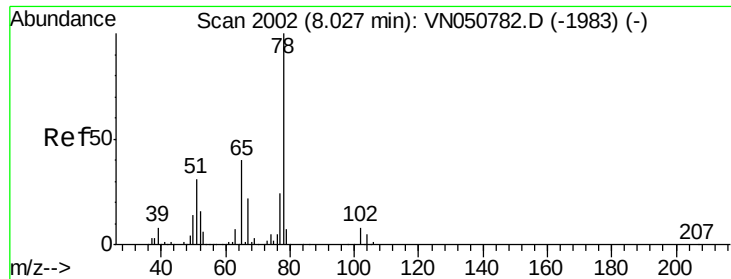
MMDadoda
8/22/2018 11:19:10 AM



#32
1,1,1-Trichloroethane
Concen: 50.36 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.6
61	42.9	34.9	52.3





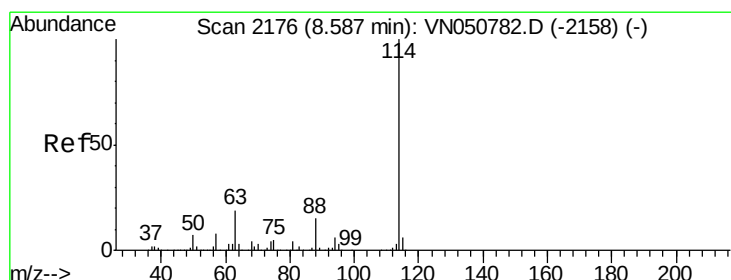
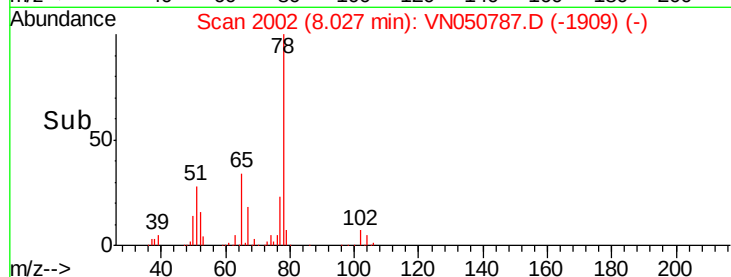
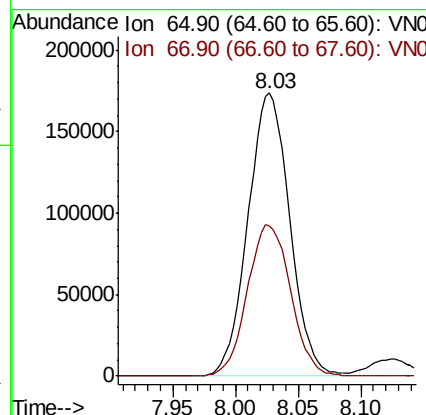
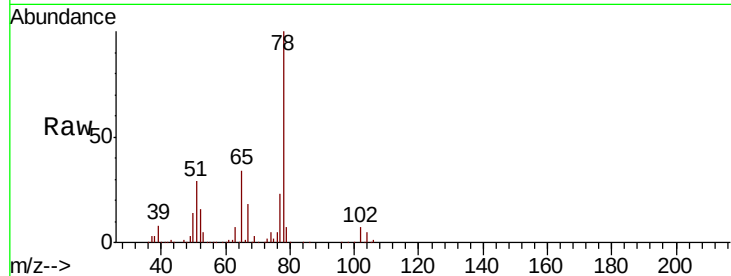
#33
 1,2-Dichloroethane-d4
 Concen: 47.98 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	110.4	

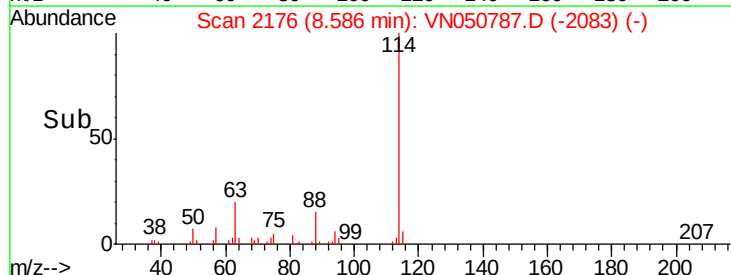
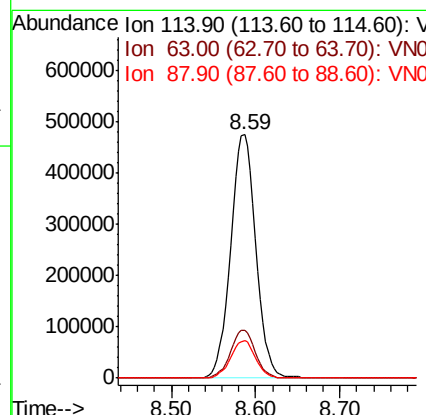
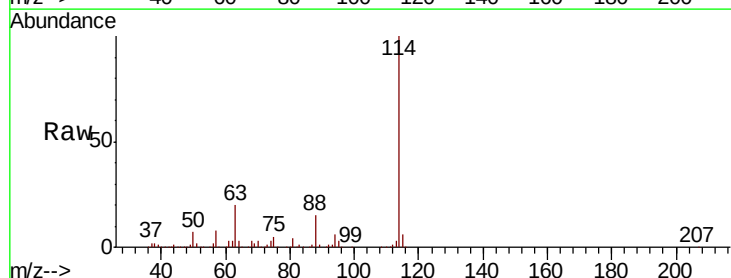
Manual Integrations
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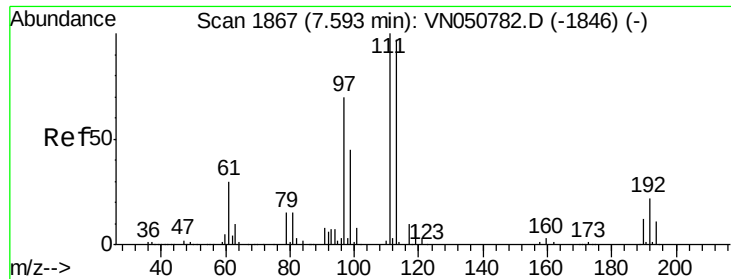
MMDadoda
 8/22/2018 11:19:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	38.6	
88	15.4	0.0	30.6	





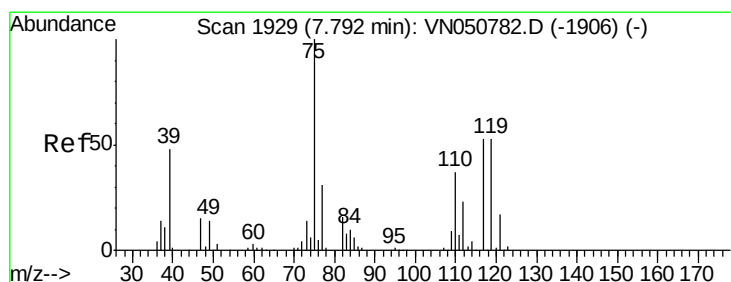
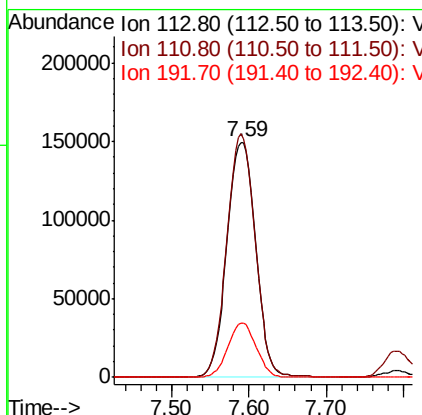
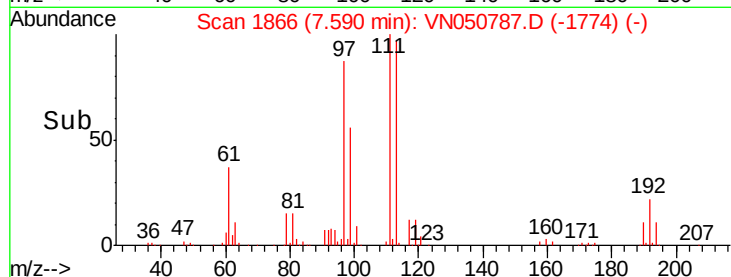
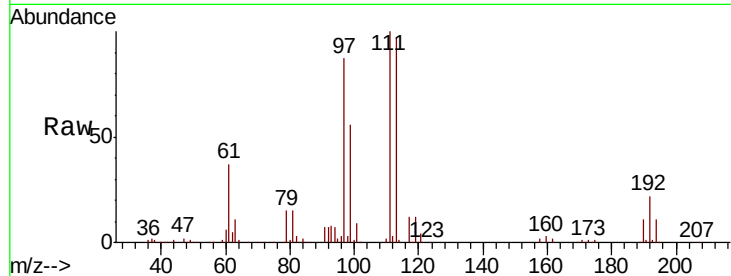
#35
 Dibromofluoromethane
 Concen: 49.45 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Resp	Lower	Upper
113	100	387311		
111	101.4	82.6	123.8	
192	22.5	18.0	27.0	

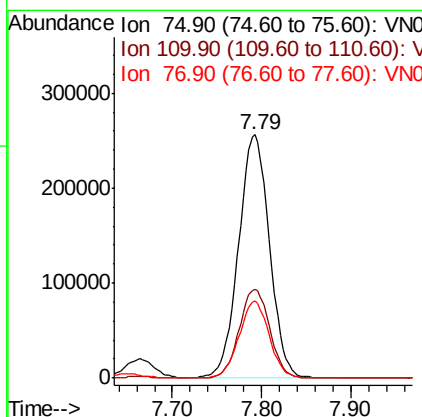
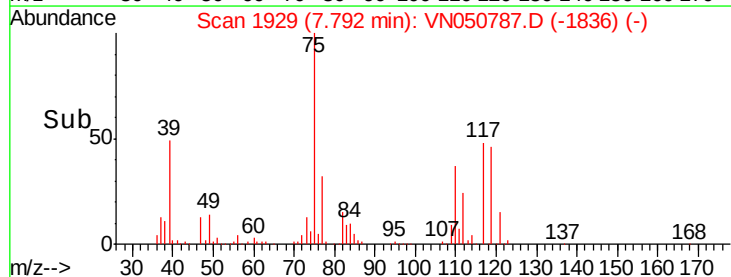
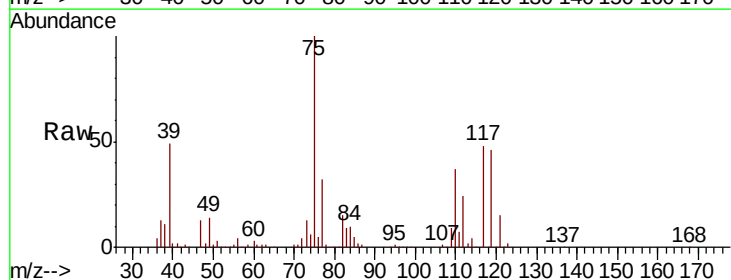
Manual Integrations
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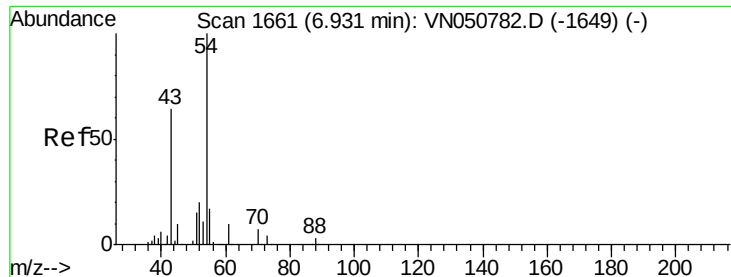
MMDadoda
 8/22/2018 11:19:10 AM



#36
 1,1-Dichloropropene
 Concen: 53.07 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	616575		
110	36.2	18.1	54.4	
77	31.1	24.8	37.2	





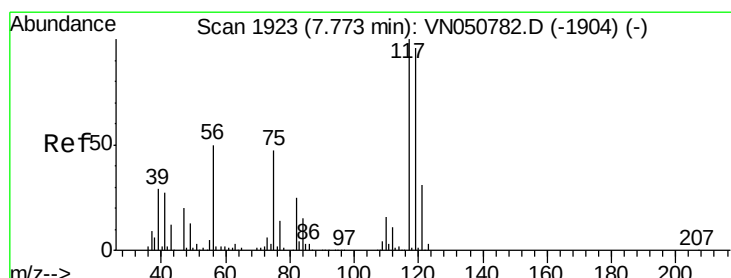
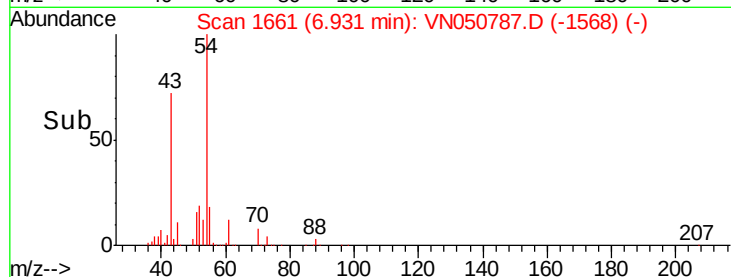
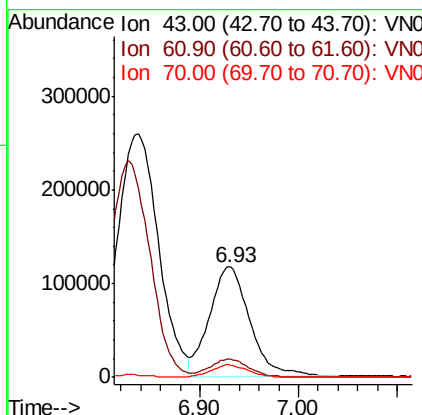
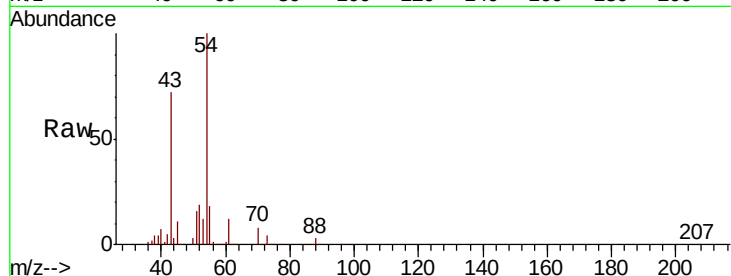
#37
Ethyl Acetate
Concen: 50.26 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.0	18.0
70	11.1	8.6	13.0

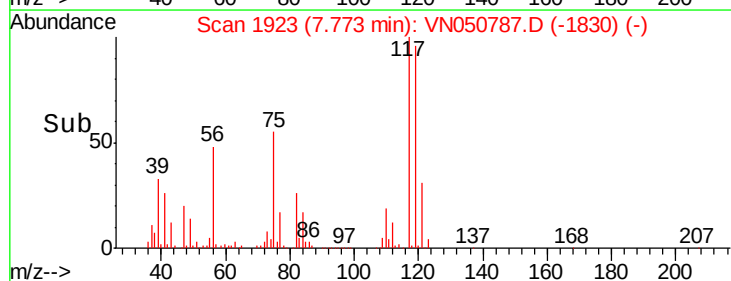
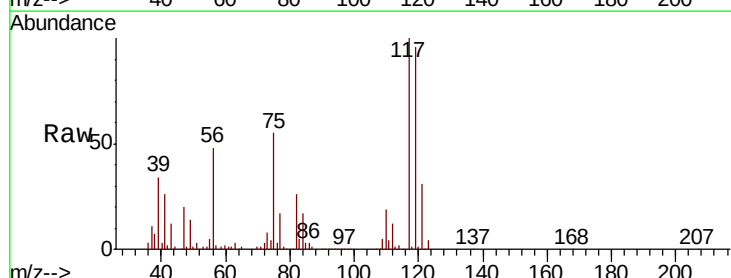
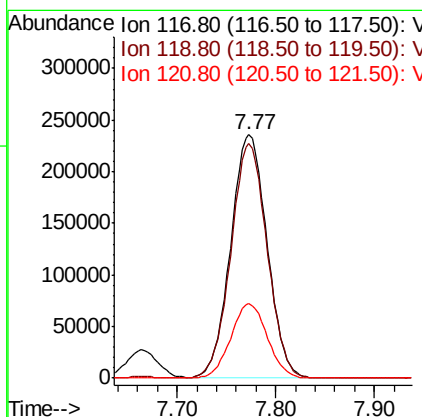
Manual Integrations
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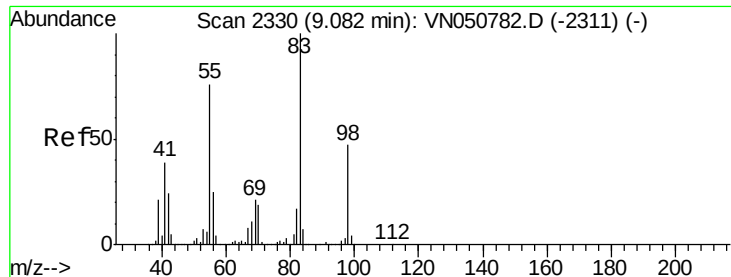
MMDadoda
8/22/2018 11:19:10 AM



#38
Carbon Tetrachloride
Concen: 51.40 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
121	30.6	24.6	36.8





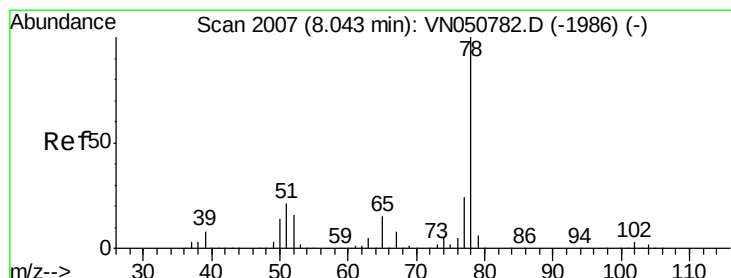
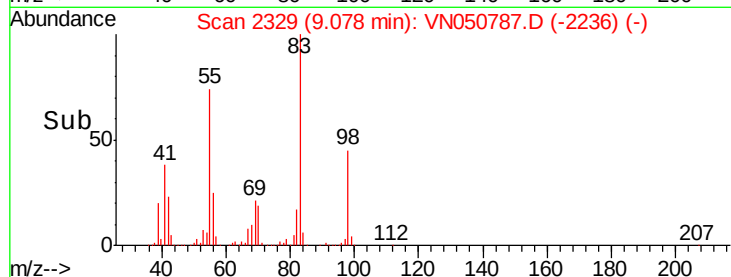
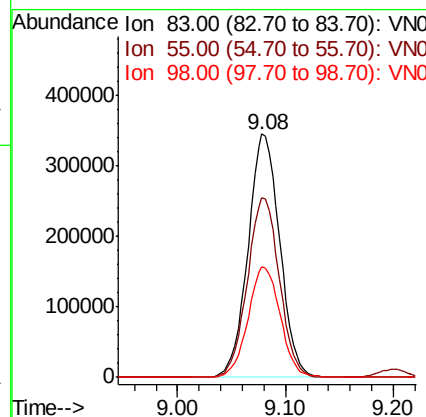
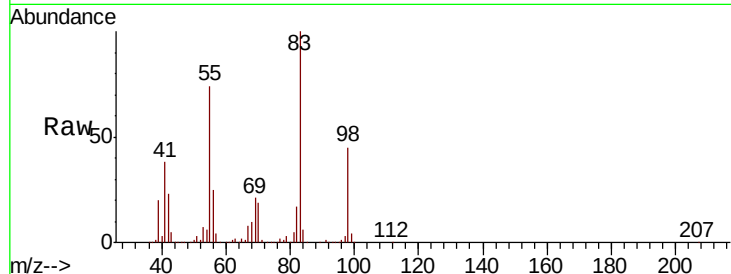
#39
Methylvlcyclohexane
Concen: 56.04 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	61.0	91.4
98	45.3	37.5	56.3

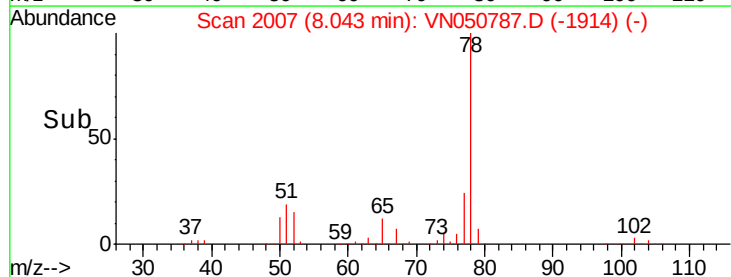
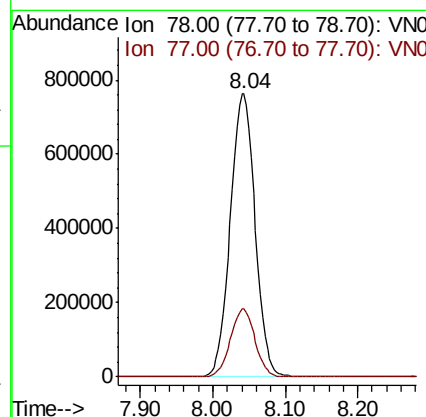
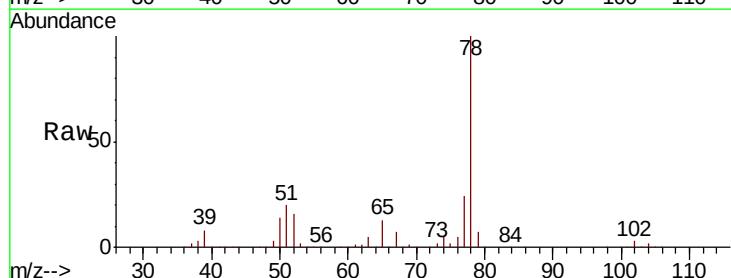
Manual Integrations
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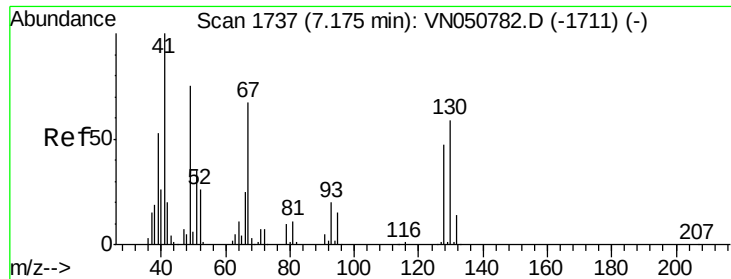
MMDadoda
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#40
Benzene
Concen: 51.73 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.4





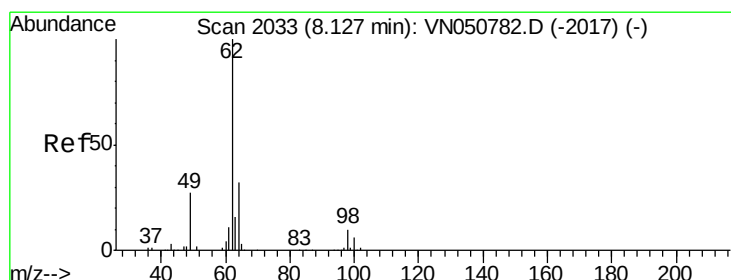
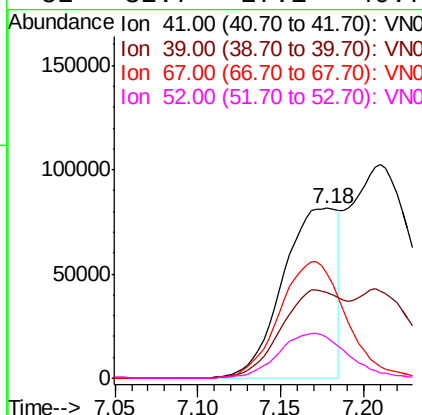
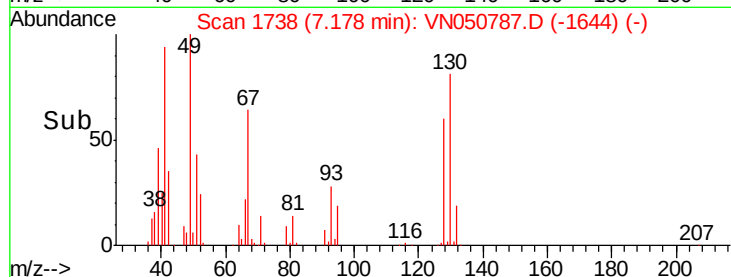
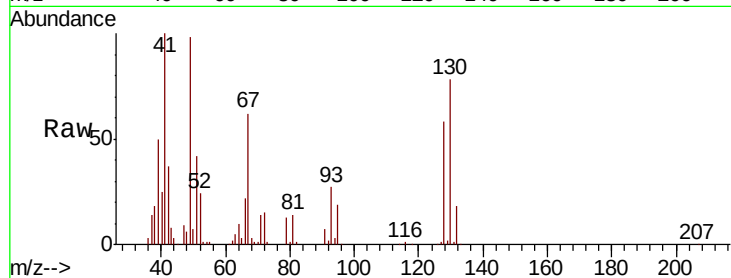
#41
Methacrylonitrile
Concen: 51.94 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		187566		
39	59.3	45.4	68.0		
67	83.9	70.6	106.0		
52	32.7	27.1	40.7		

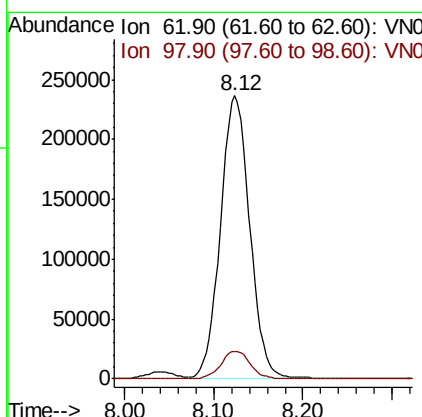
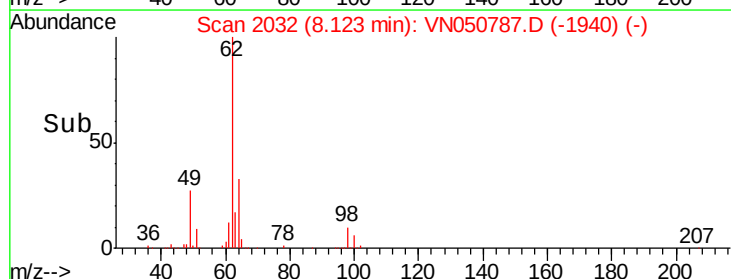
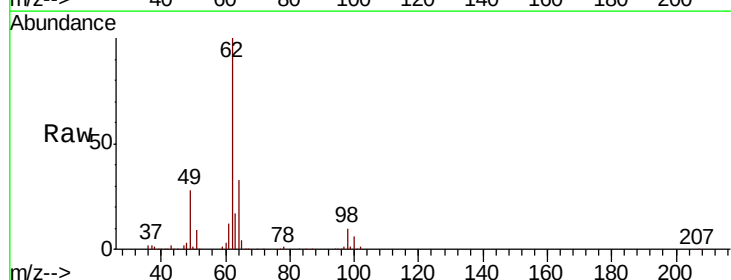
Manual Integrations
APPROVED

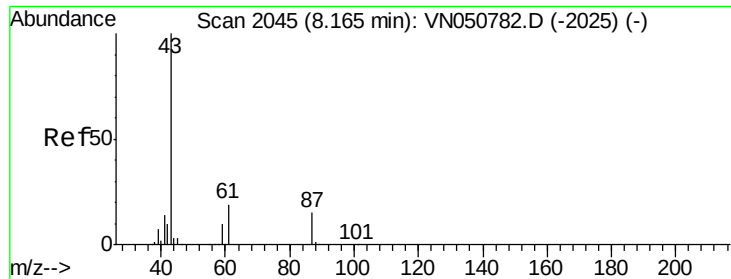
MMDadoda
8/22/2018 11:19:10 AM



#42
1,2-Dichloroethane
Concen: 51.27 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		537013		
98	9.9	0.0	19.6		





#43

Isopropyl Acetate

Concen: 51.28 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

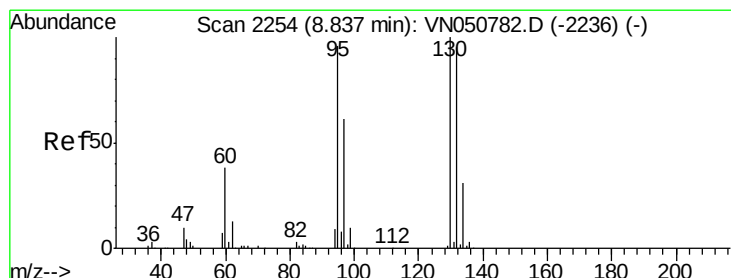
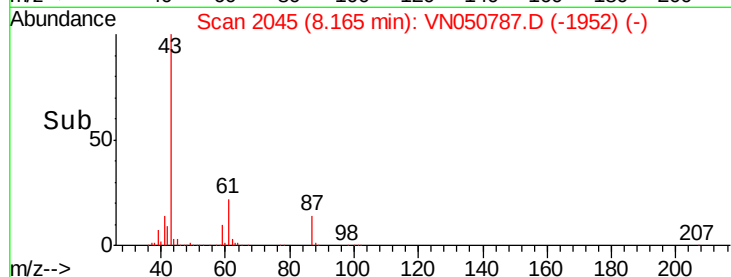
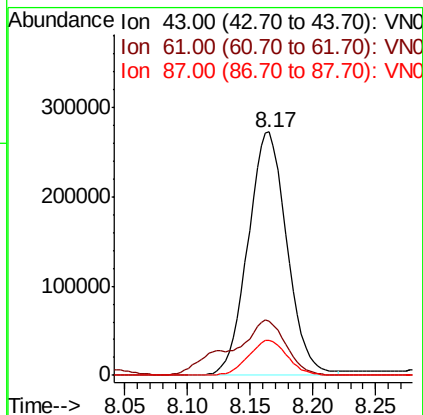
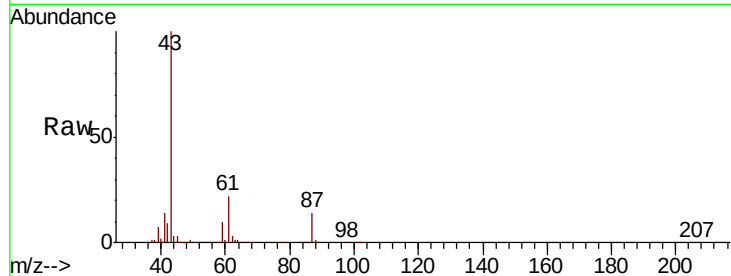
ClientSampleId :

ICVVN082118

Tot Ion:	43	Resp:	588405
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.5	26.3
87	14.5	11.3	16.9

Manual Integrations
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#44

Trichloroethene

Concen: 51.62 ug/l

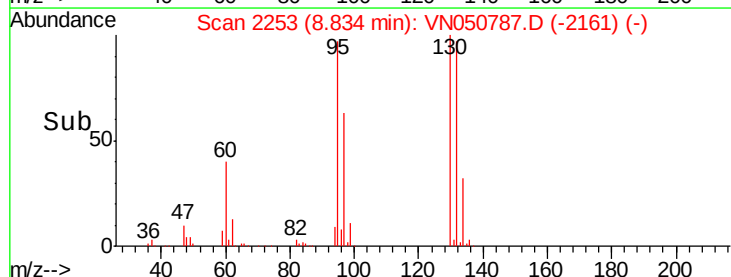
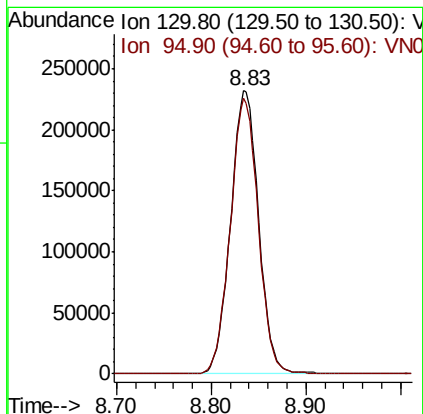
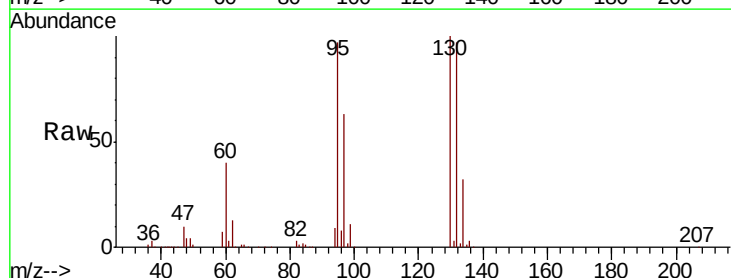
RT: 8.83 min Scan# 2253

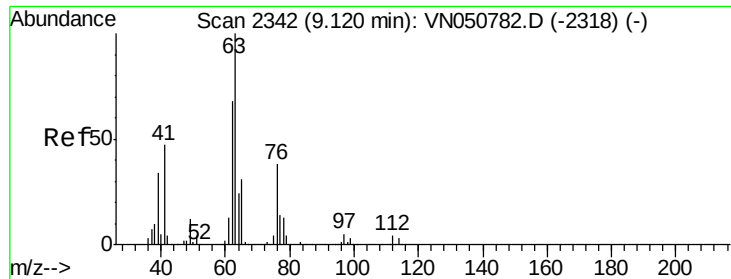
Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion:	130	Resp:	476916
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	193.0





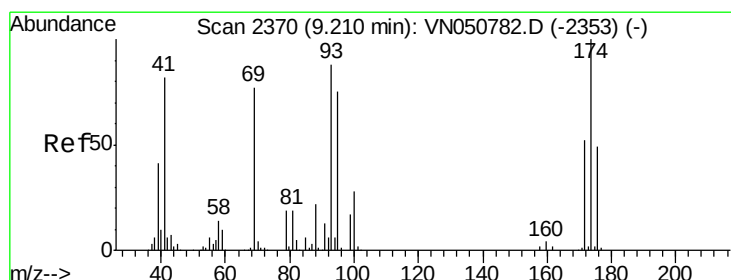
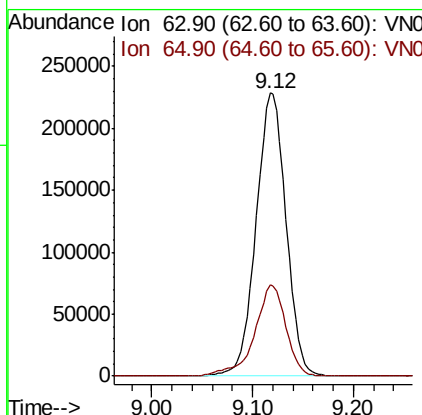
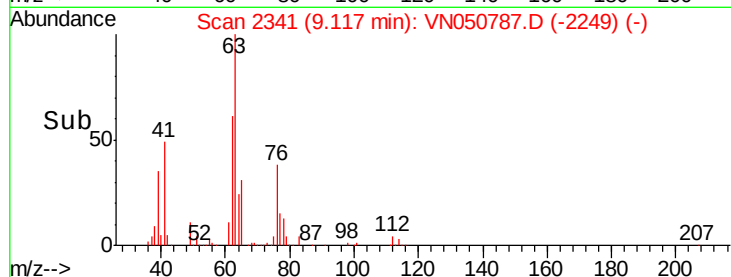
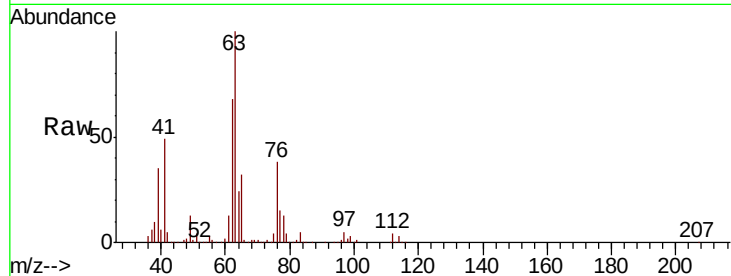
#45
 1,2-Dichloropropane
 Concen: 51.16 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.0	37.6

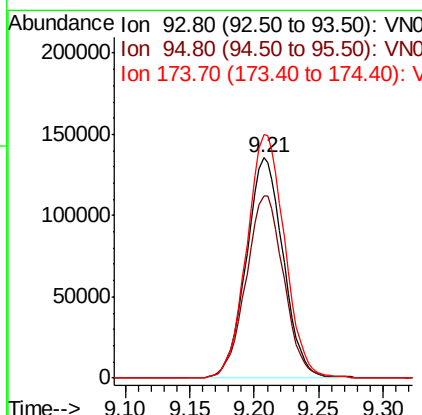
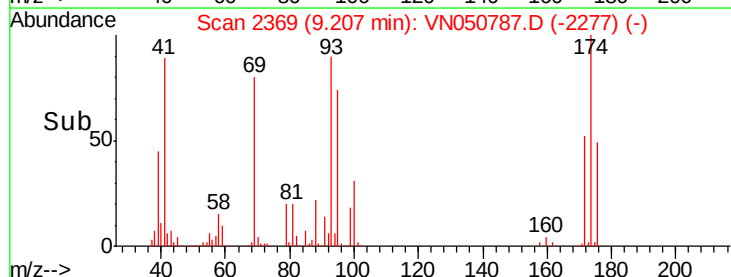
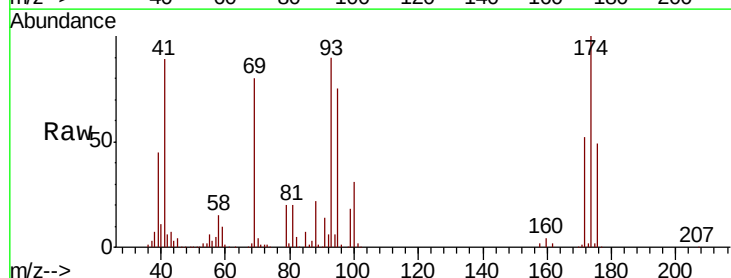
Manual Integrations
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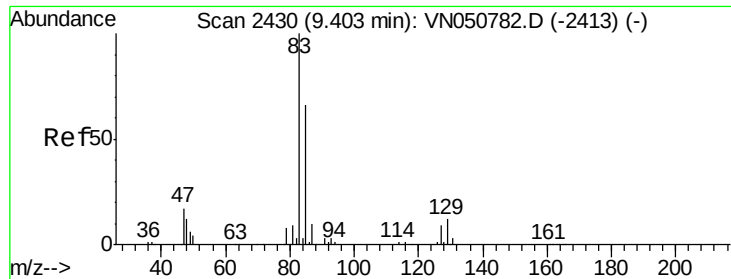
MMDadoda
 8/22/2018 11:19:10 AM



#46
 Dibromomethane
 Concen: 50.03 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.0	66.7	100.1
174	113.7	89.8	134.6





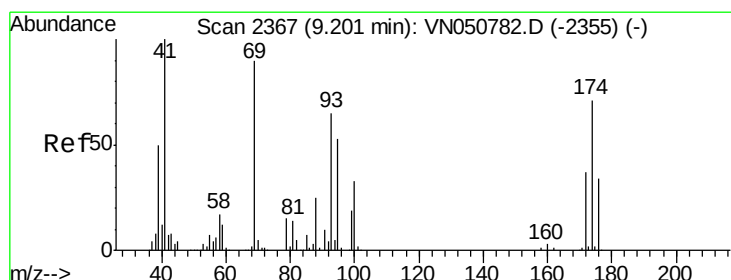
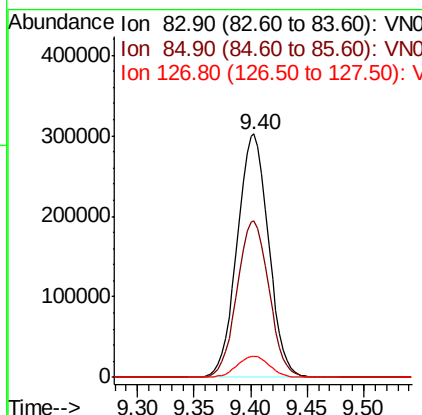
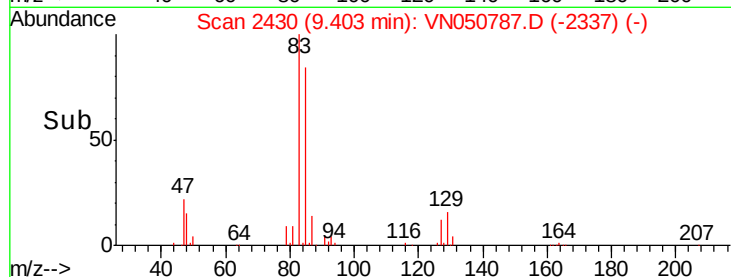
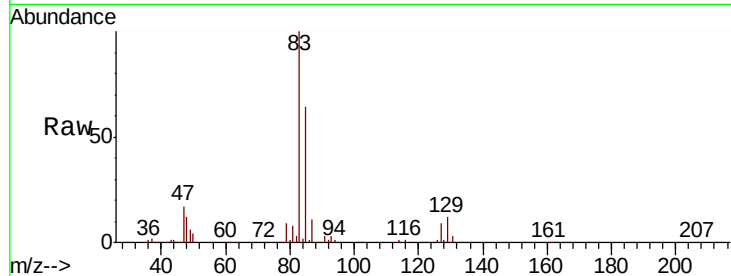
#47
Bromodichloromethane
Concen: 51.64 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	52.6	78.8	
127	8.8	7.2	10.8	

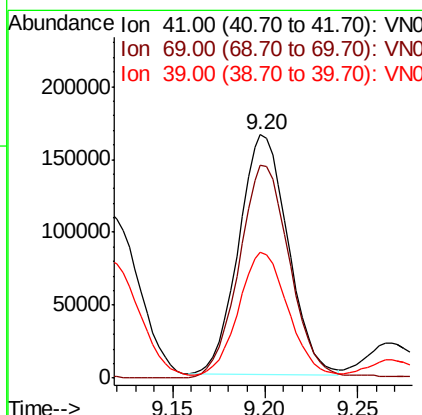
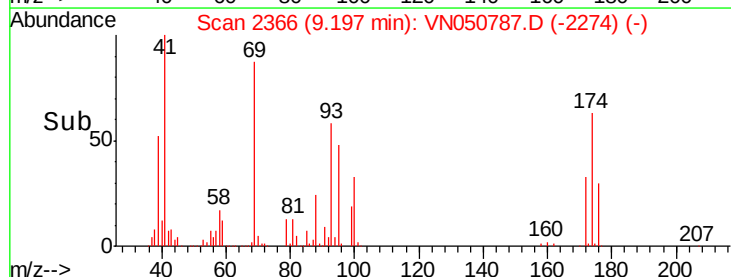
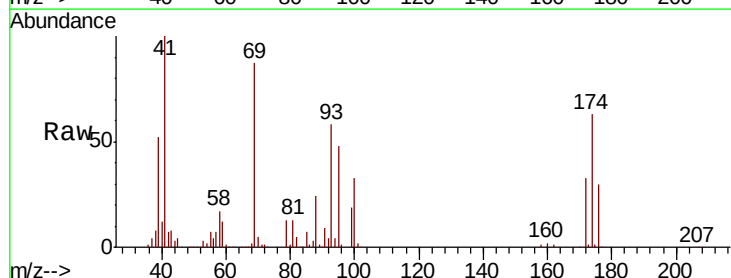
Manual Integrations
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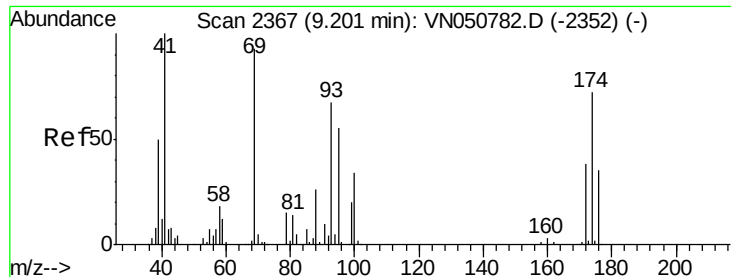
MMDadoda
8/22/2018 11:19:10 AM



#48
Methyl methacrylate
Concen: 52.01 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.8	74.7	112.1	
39	53.1	42.2	63.2	





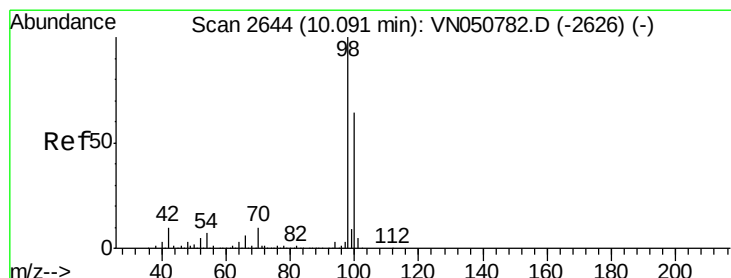
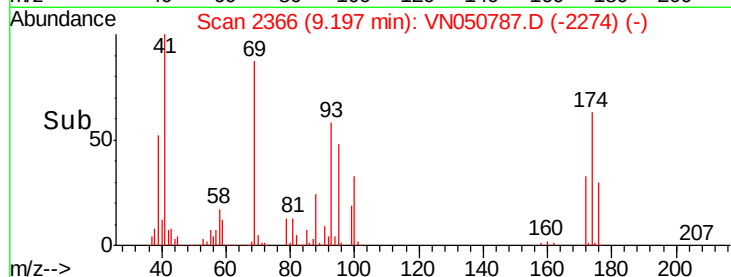
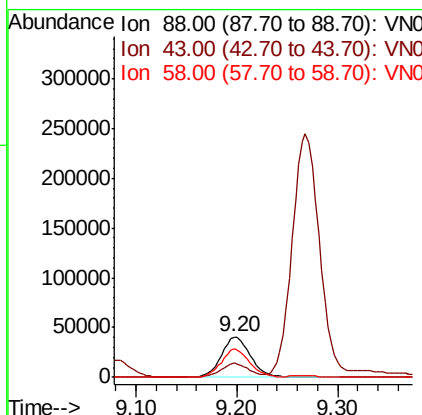
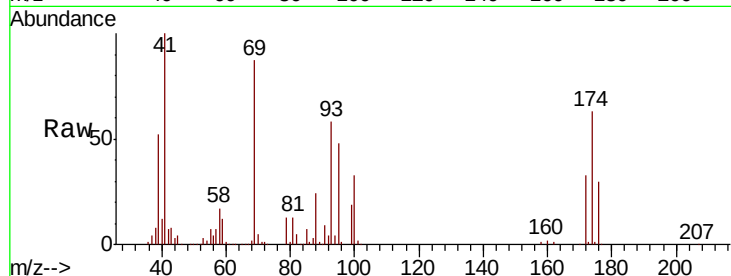
#49
1,4-Dioxane
Concen: 1036.30 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	88	Resp	82608
Ion	Ratio	Lower	Upper
88	100		
43	31.5	25.9	38.9
58	68.0	55.0	82.4

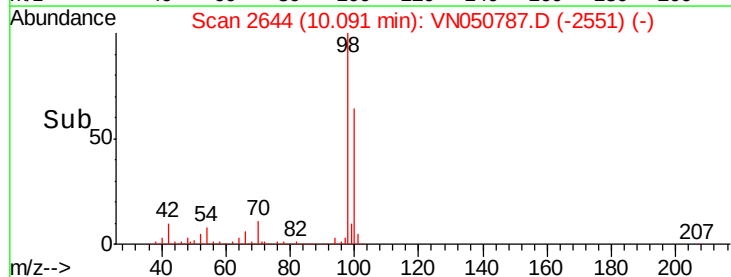
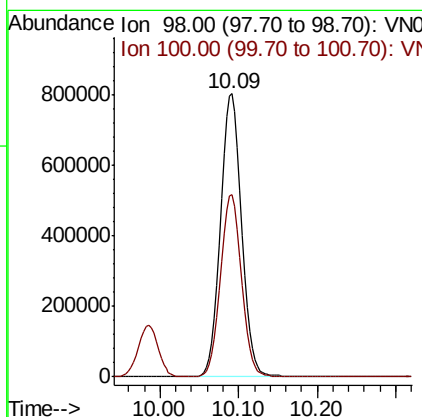
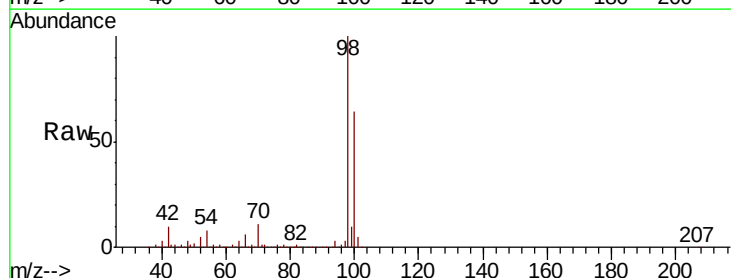
Manual Integrations
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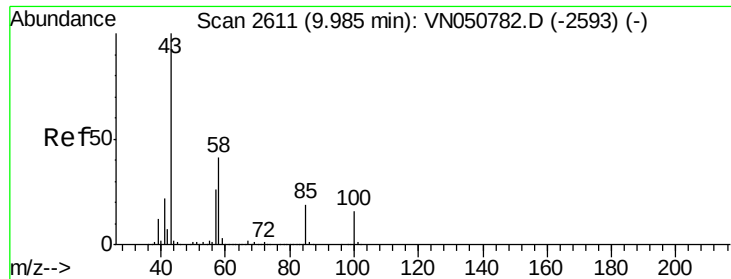
MMDadoda
8/22/2018 11:19:10 AM



#50
Toluene-d8
Concen: 50.49 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	98	Resp	1478348
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





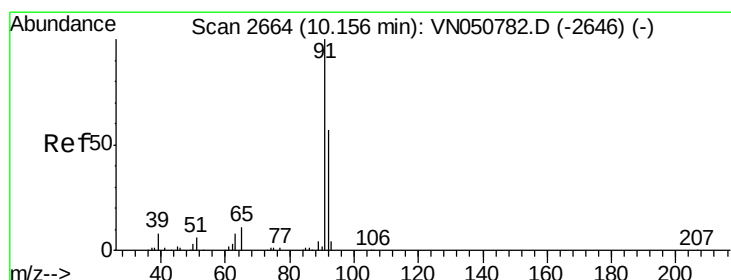
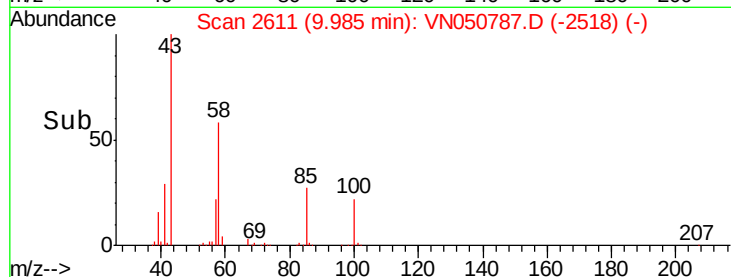
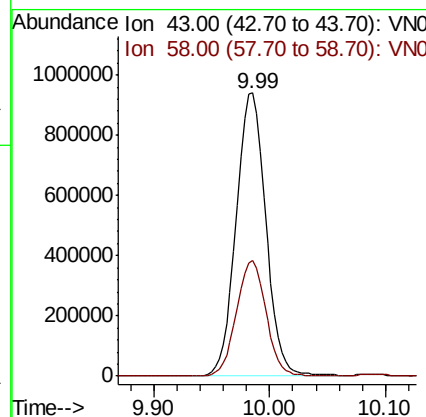
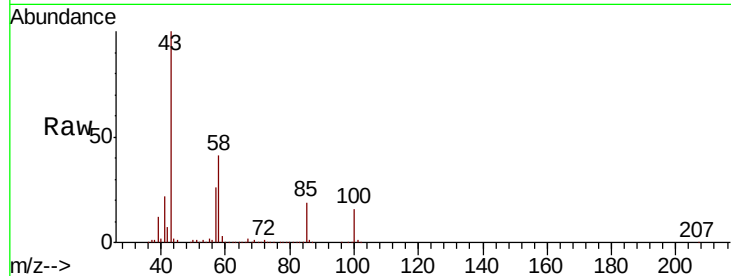
#51
4-Methyl-2-Pentanone
Concen: 243.72 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion: 43 Resp: 1668790
Ion Ratio Lower Upper
43 100
58 40.8 32.4 48.6

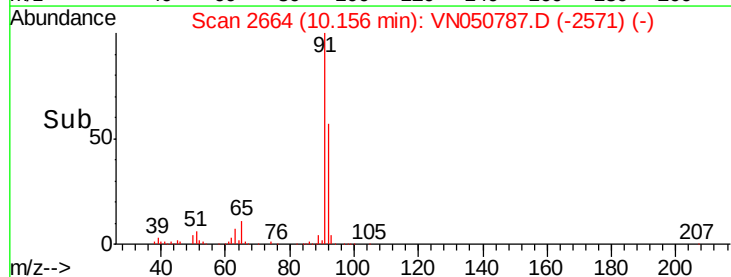
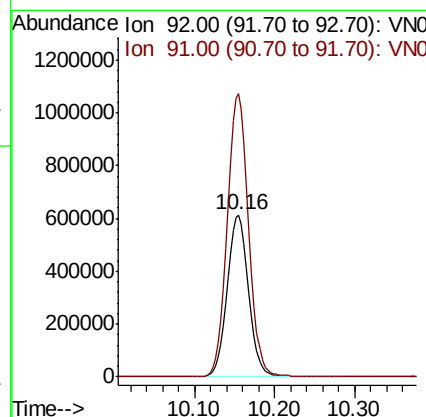
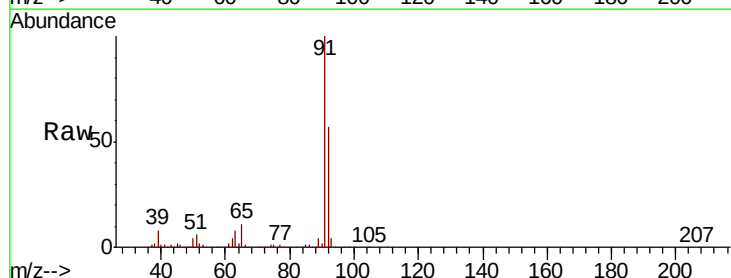
Manual Integrations
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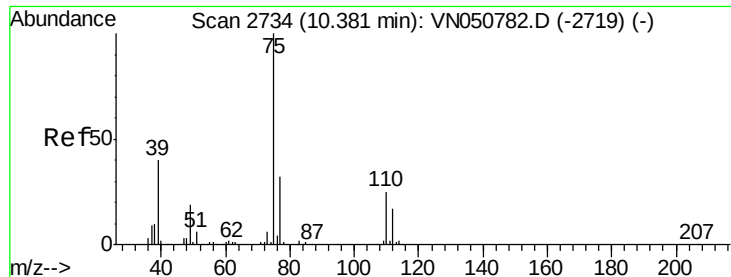
MMDadoda
8/22/2018 11:19:10 AM



#52
Toluene
Concen: 54.51 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 92 Resp: 1131146
Ion Ratio Lower Upper
92 100
91 174.4 140.6 211.0





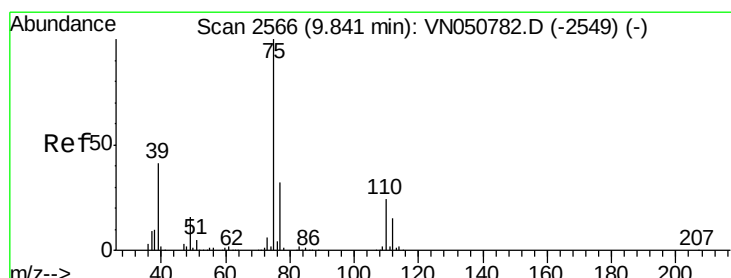
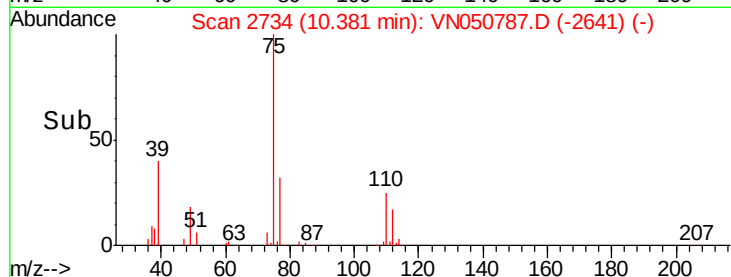
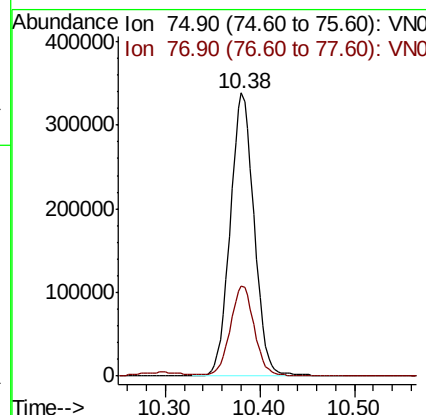
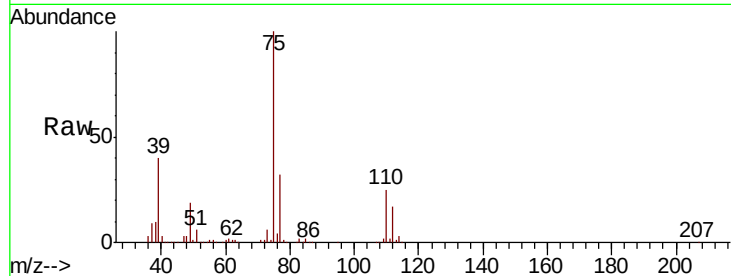
#53
t-1,3-Dichloropropene
Concen: 52.81 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.7	38.5

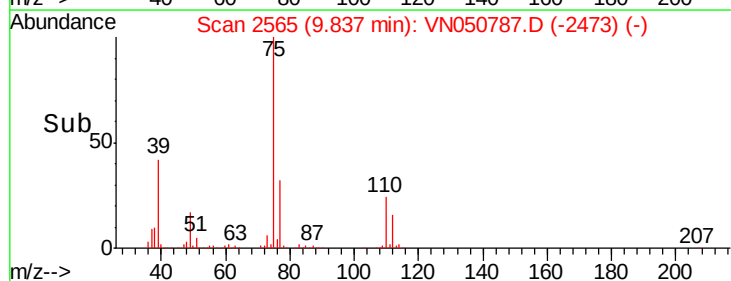
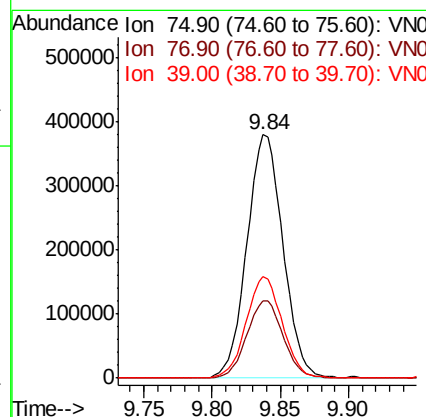
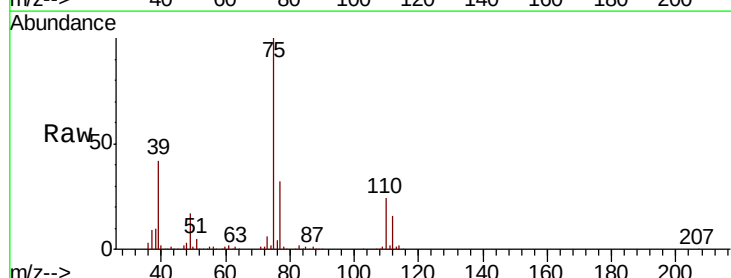
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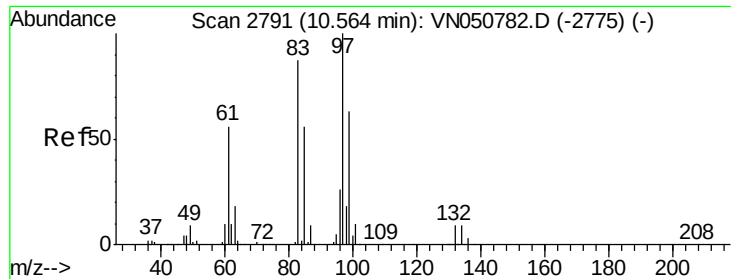
MMDadoda
8/22/2018 11:19:10 AM



#54
cis-1,3-Dichloropropene
Concen: 54.01 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	41.8	33.0	49.4





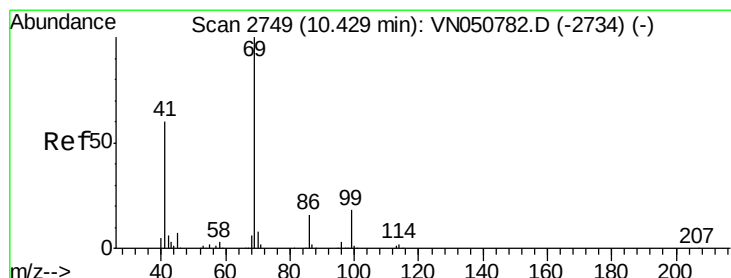
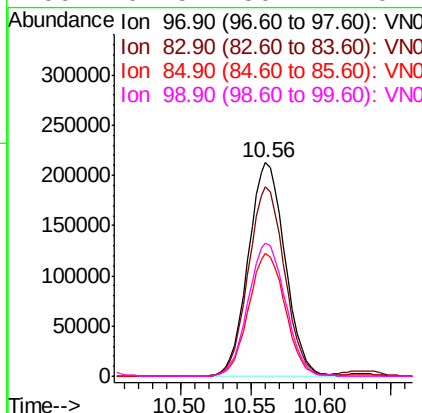
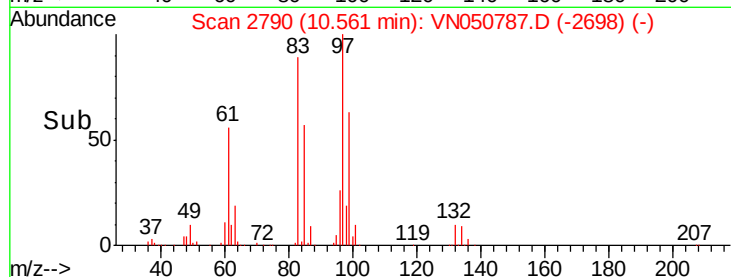
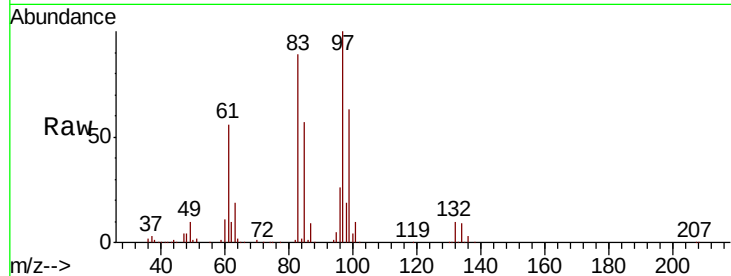
#55
 1,1,2-Trichloroethane
 Concen: 50.47 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		388765		
83	88.8	69.7	104.5		
85	57.4	44.5	66.7		
99	62.5	50.7	76.1		

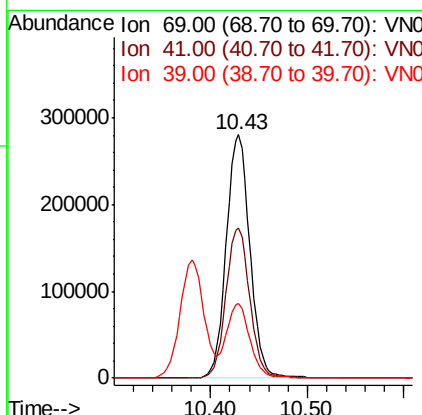
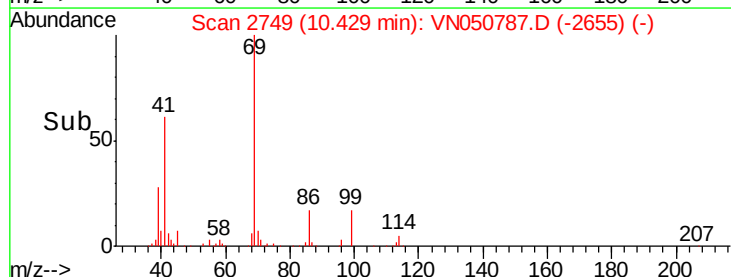
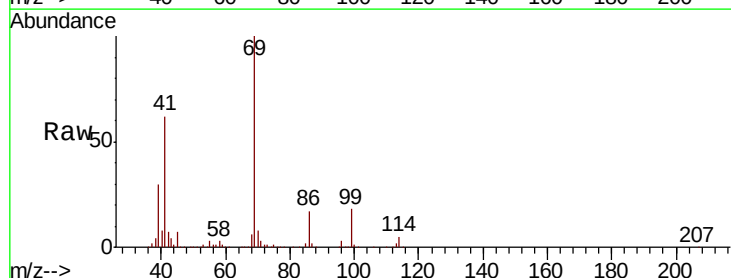
Manual Integrations
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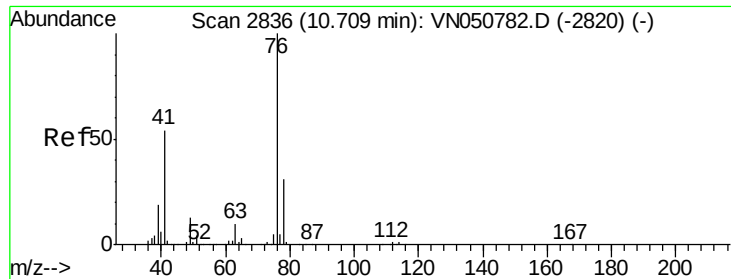
MMDadoda
 8/22/2018 11:19:10 AM



#56
 Ethyl methacrylate
 Concen: 47.58 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		475522		
41	61.7	48.3	72.5		
39	30.1	24.0	36.0		





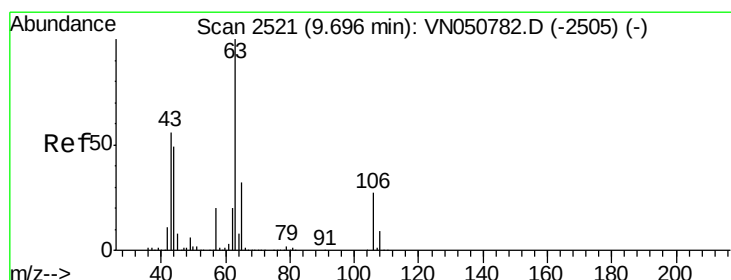
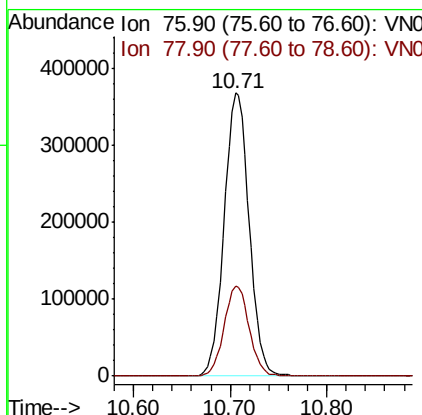
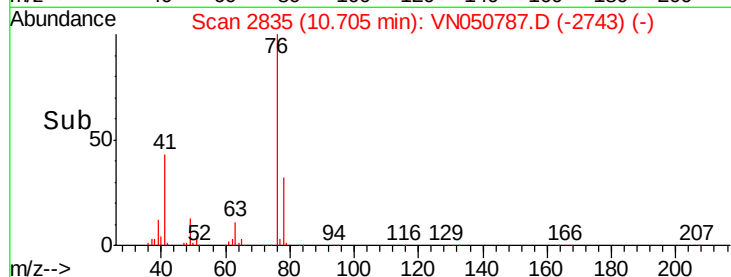
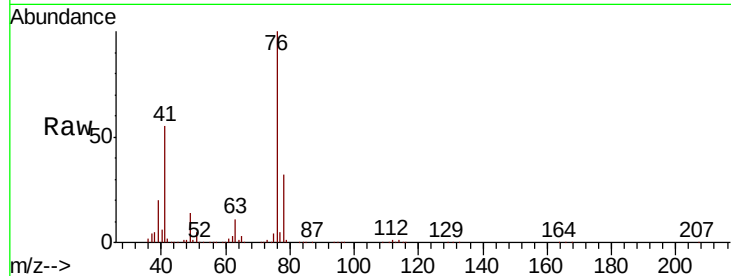
#57
 1,3-Dichloropropane
 Concen: 51.82 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN082118

Tot Ion: 76 Resp: 658765
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.5 38.3

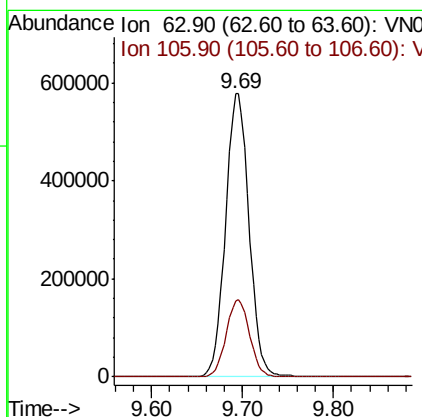
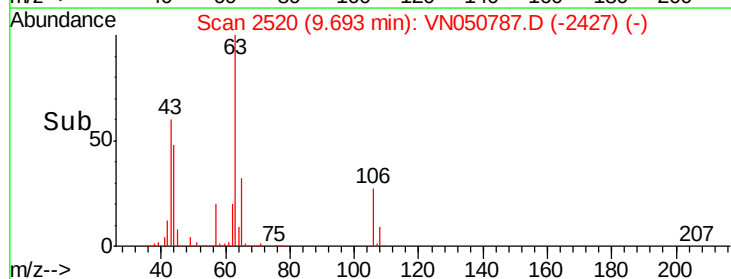
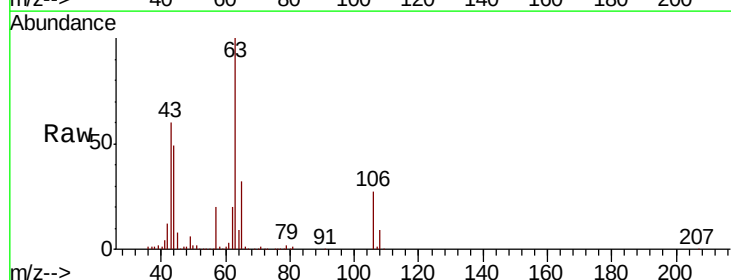
Manual Integrations
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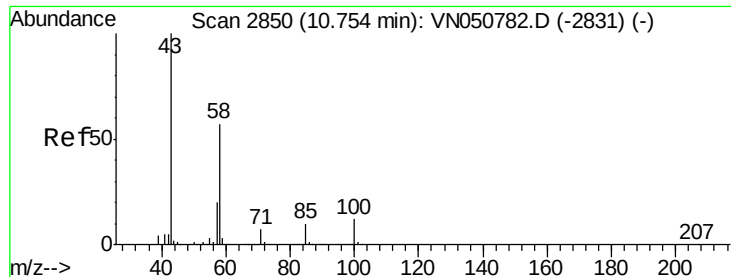
MMDadoda
 8/22/2018 11:19:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.03 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion: 63 Resp: 1038009
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.9 32.9





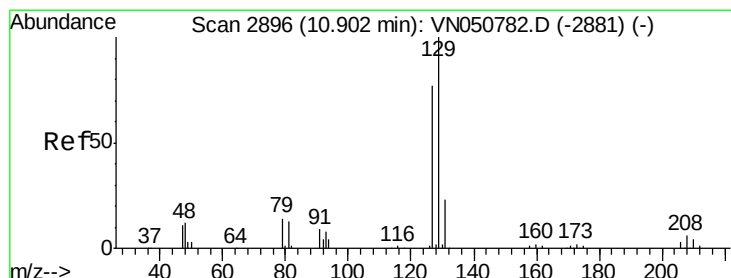
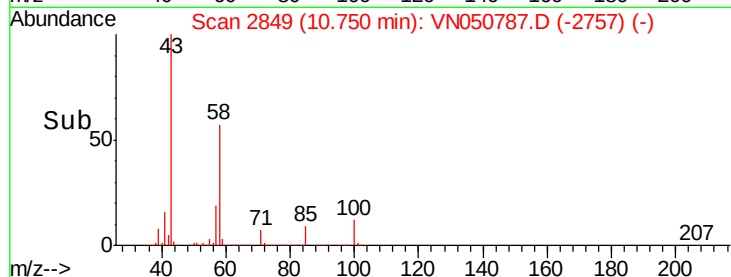
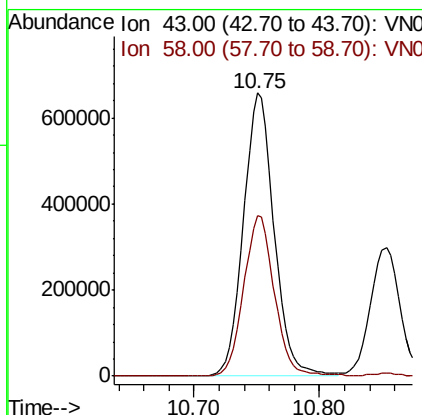
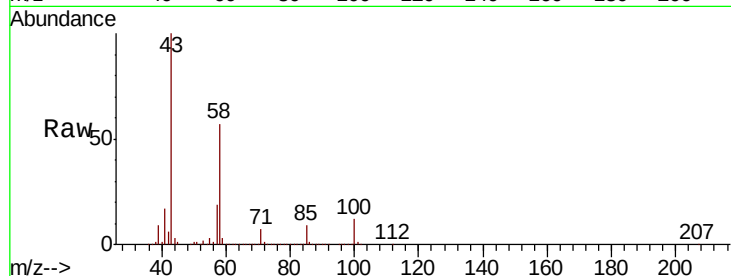
#59
2-Hexanone
Concen: 245.31 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion: 43 Resp: 1118161
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0

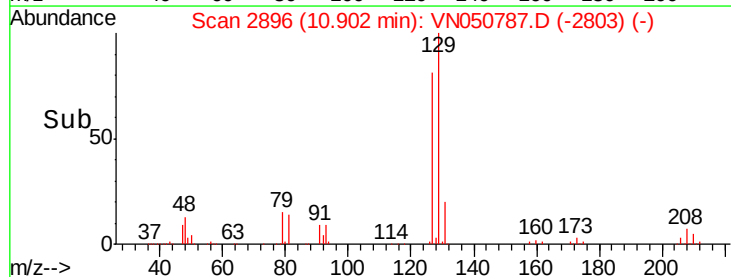
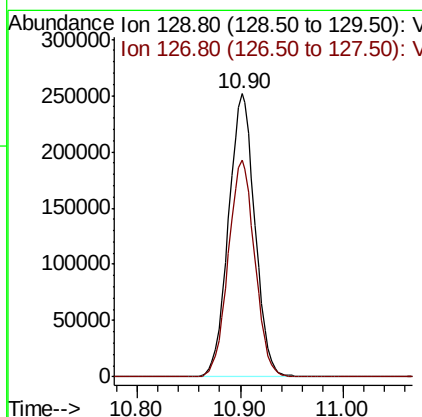
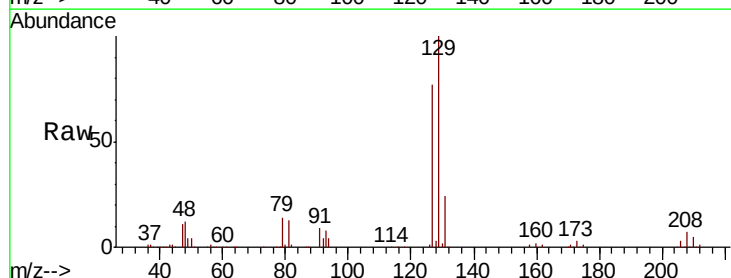
Manual Integrations
APPROVED

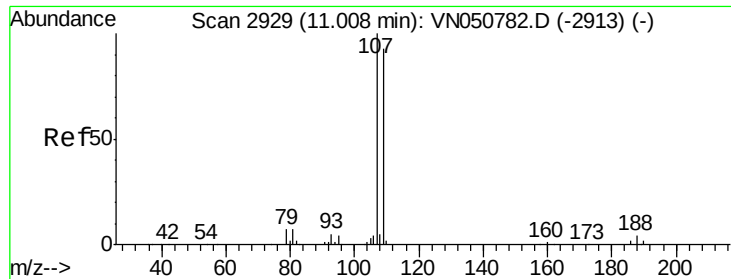
MMDadoda
8/22/2018 11:19:10 AM



#60
Dibromochloromethane
Concen: 51.97 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 129 Resp: 448211
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





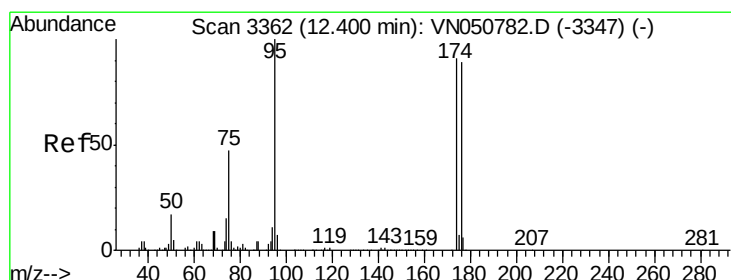
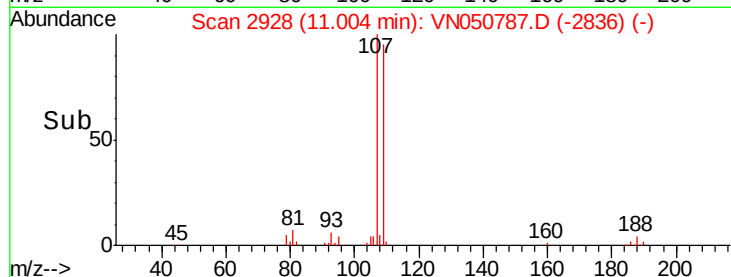
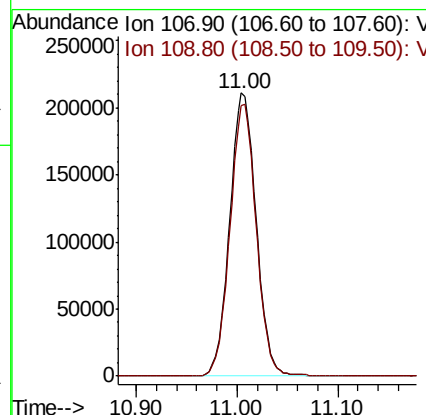
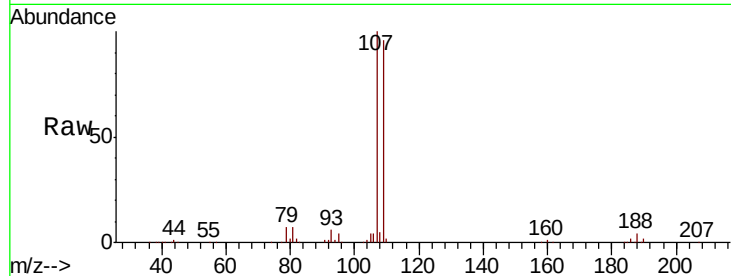
#61
 1,2-Dibromoethane
 Concen: 51.98 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.2

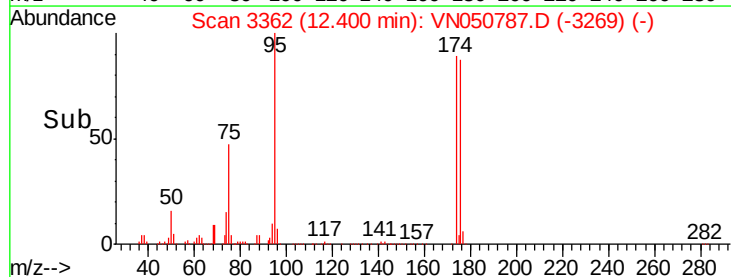
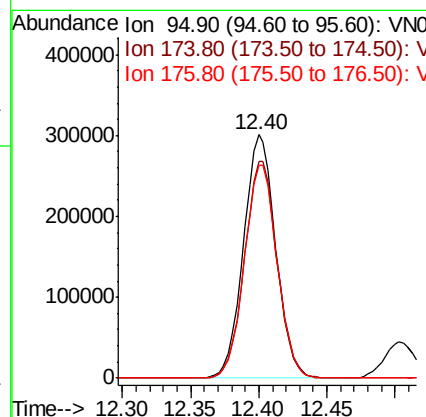
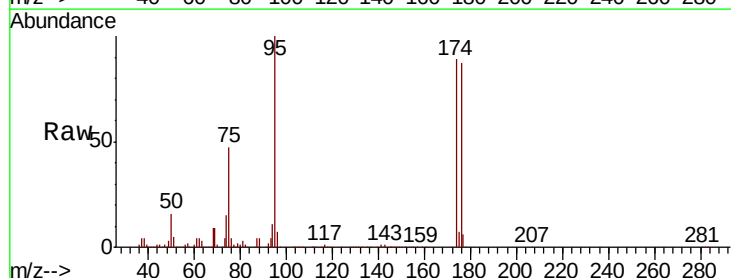
Manual Integrations
 APPROVED

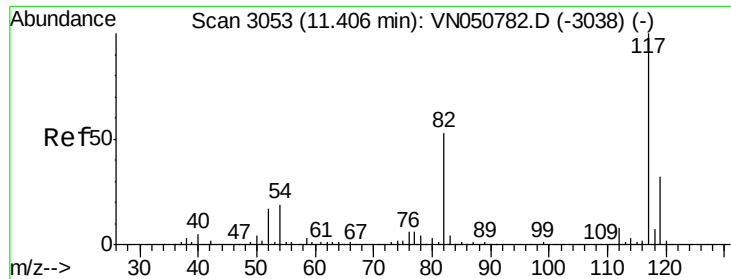
MMDadoda
 8/22/2018 11:19:10 AM



#62
 4-Bromofluorobenzene
 Concen: 50.46 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	0.0	183.0
176	89.0	0.0	178.8





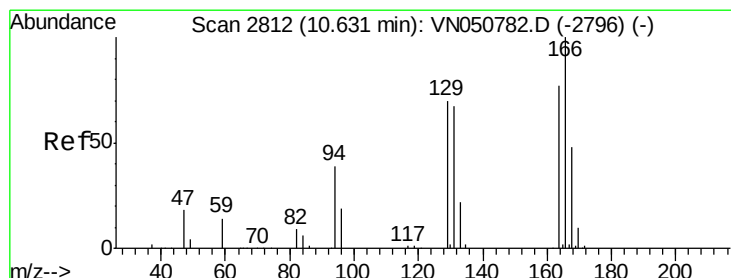
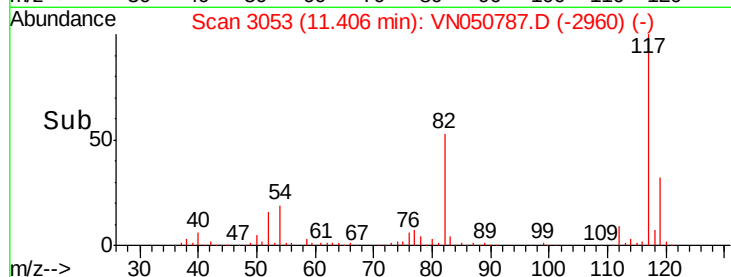
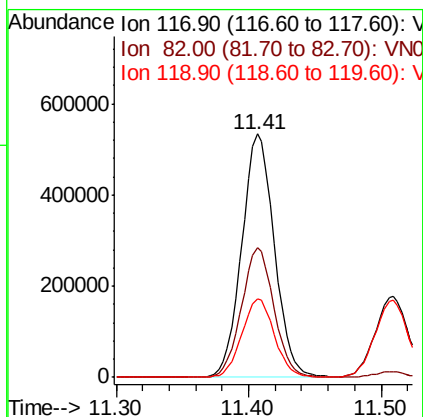
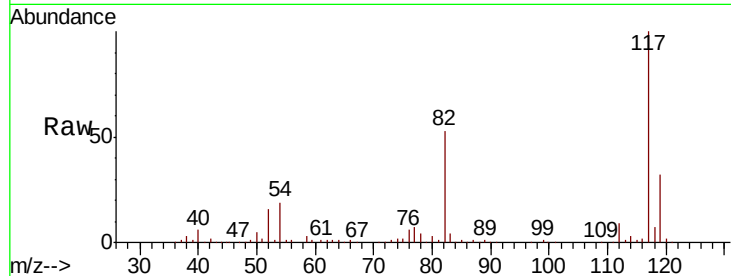
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.6	64.0
119	32.1	25.8	38.6

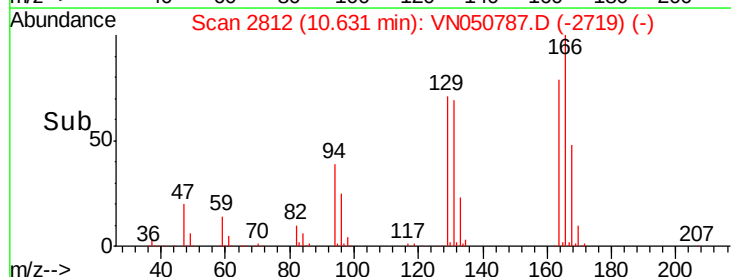
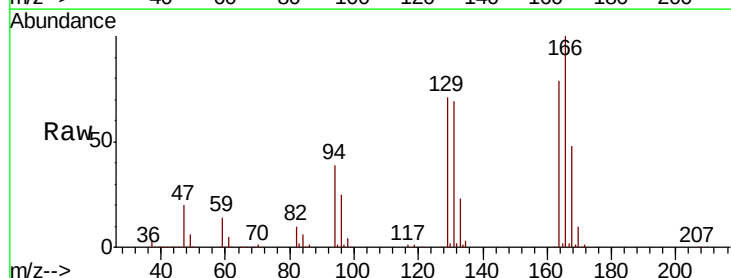
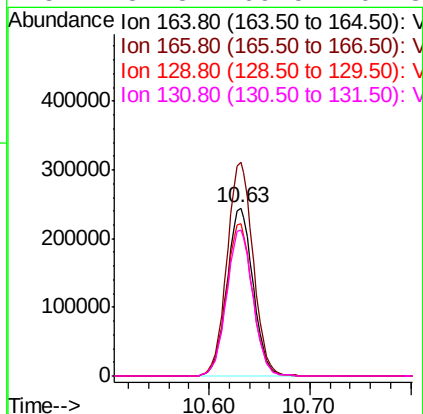
Manual Integrations
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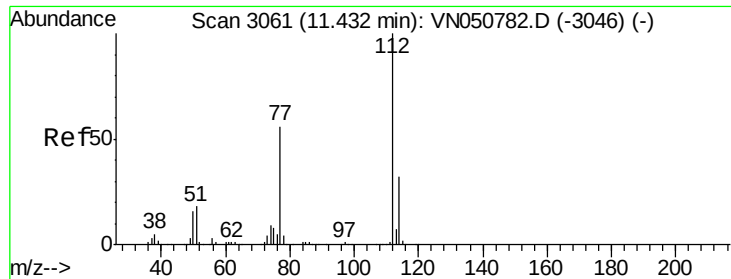
MMDadoda
8/22/2018 11:19:10 AM



#64
Tetrachloroethene
Concen: 50.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	103.5	155.3
129	90.6	72.7	109.1
131	87.3	69.5	104.3





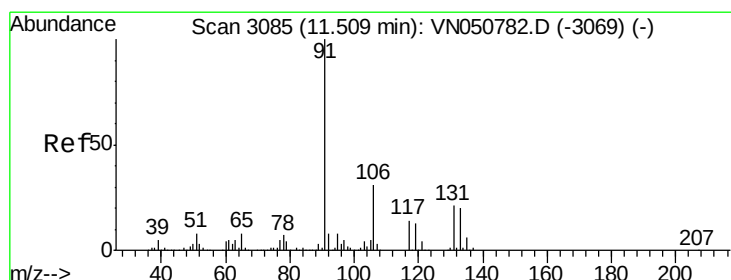
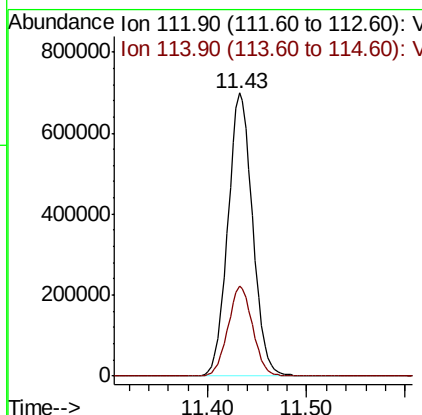
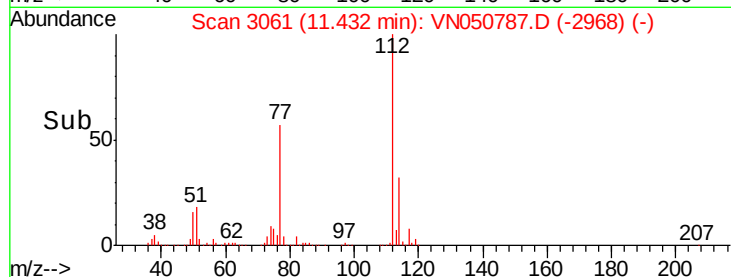
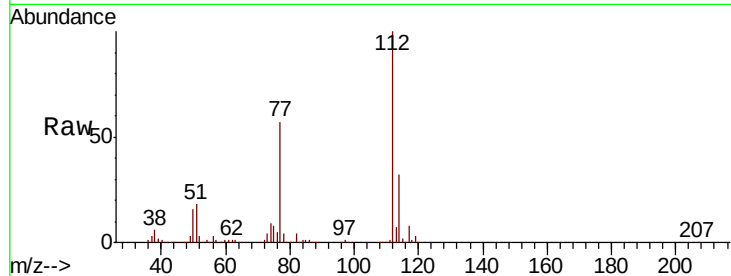
#65
Chlorobenzene
Concen: 51.27 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion:112 Resp: 1223114
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

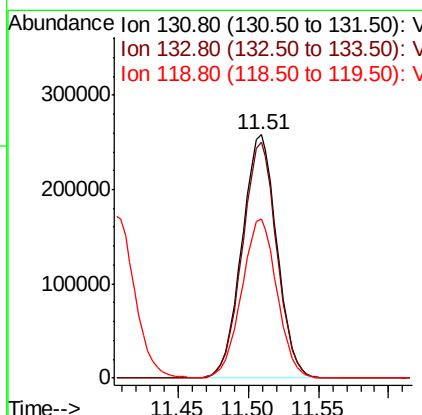
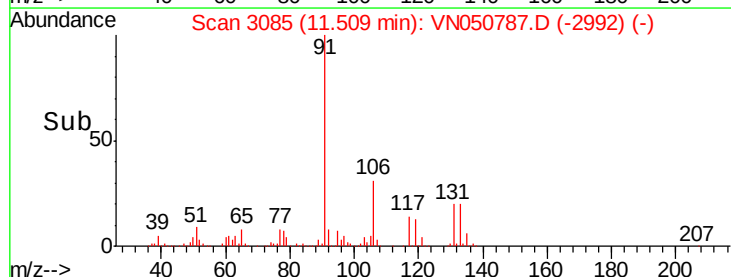
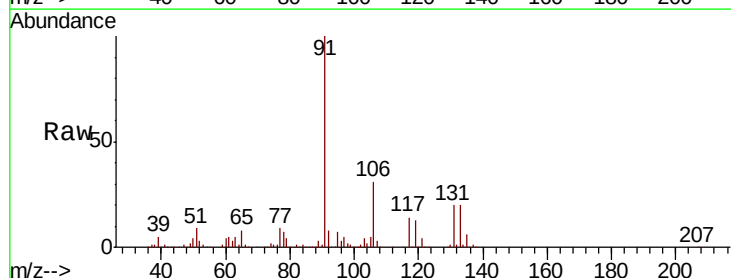
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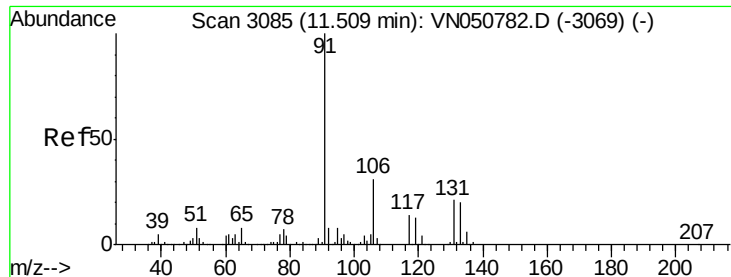
MMDadoda
8/22/2018 11:19:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.33 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion:131 Resp: 448069
Ion Ratio Lower Upper
131 100
133 95.8 47.4 142.3
119 65.9 32.8 98.4





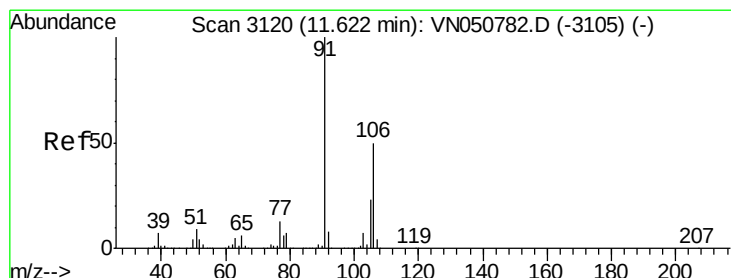
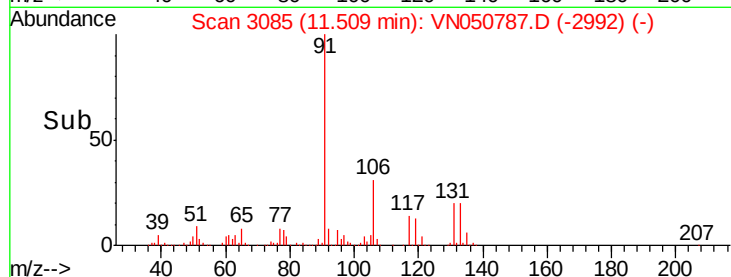
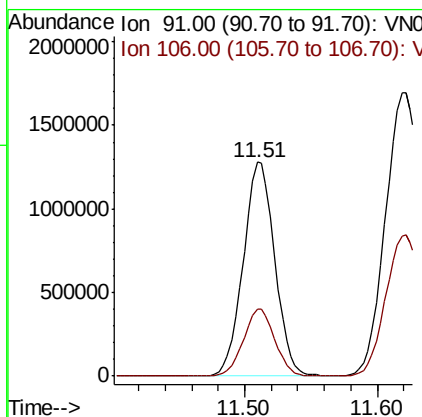
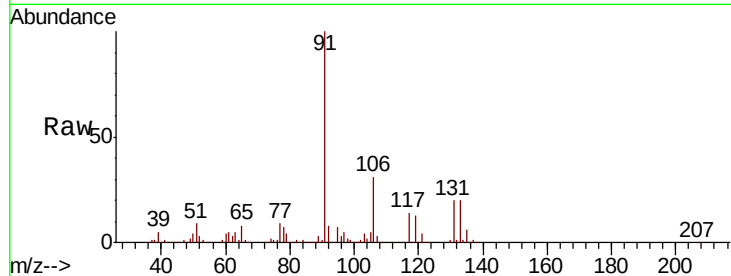
#67
Ethyl Benzene
Concen: 54.55 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion: 91 Resp: 2115679
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

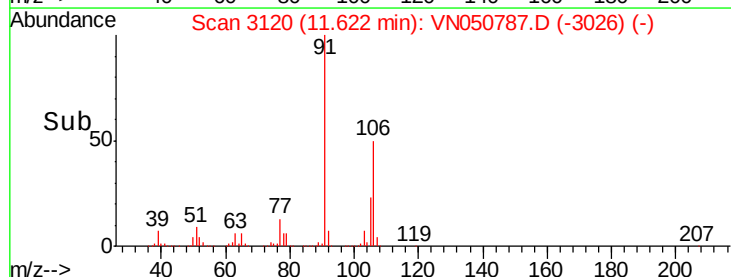
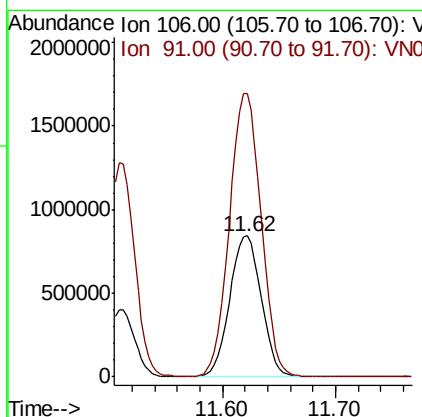
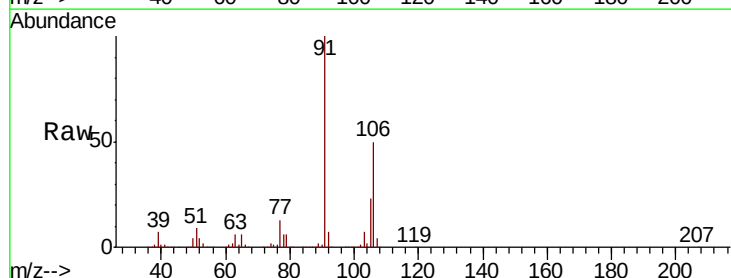
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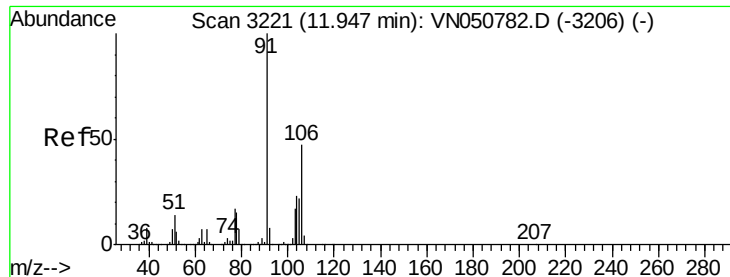
MMDadoda
8/22/2018 11:19:10 AM



#68
m/p-Xylenes
Concen: 110.88 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion: 106 Resp: 1632404
Ion Ratio Lower Upper
106 100
91 202.1 161.0 241.6





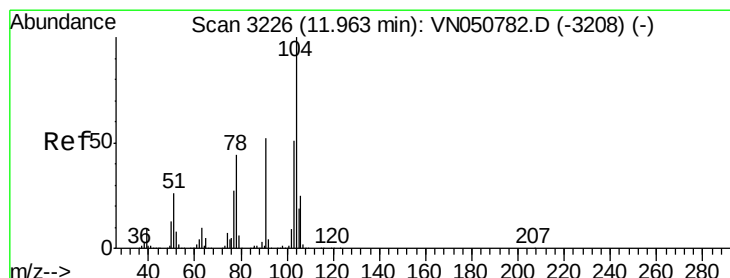
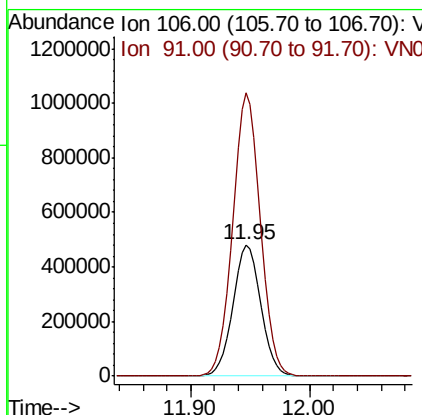
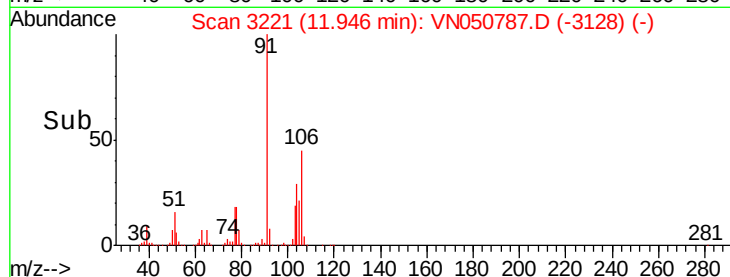
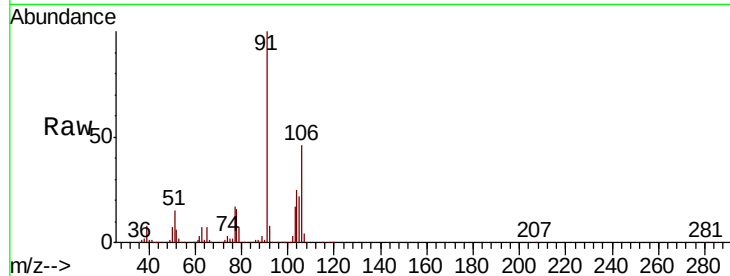
#69
o-Xylene
Concen: 54.94 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.8	106.5	319.5	

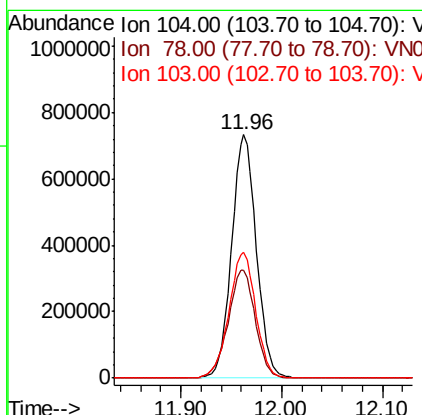
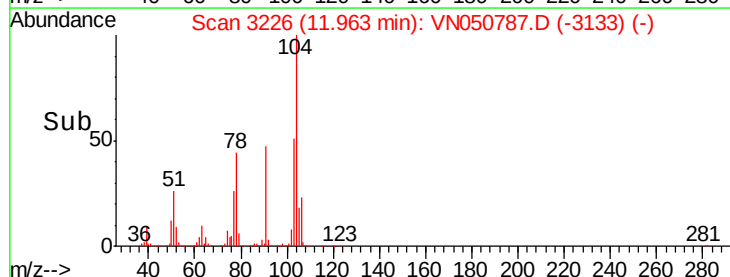
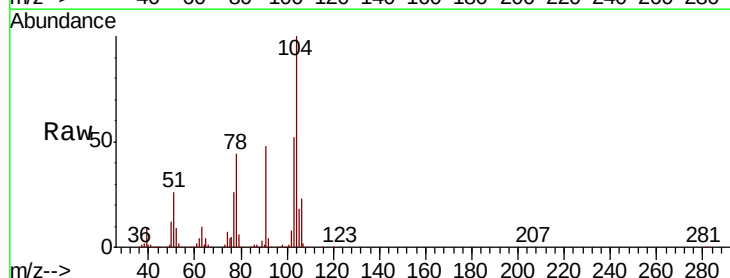
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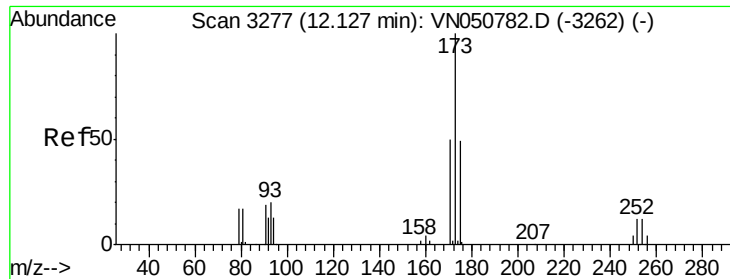
MMDadoda
8/22/2018 11:19:10 AM



#70
Styrene
Concen: 50.07 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.6	38.2	57.4	
103	56.0	44.4	66.6	





#71

Bromoform

Concen: 50.98 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

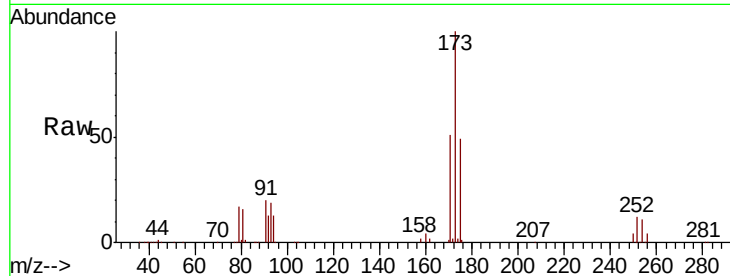
ClientSampleId :

ICVVN082118

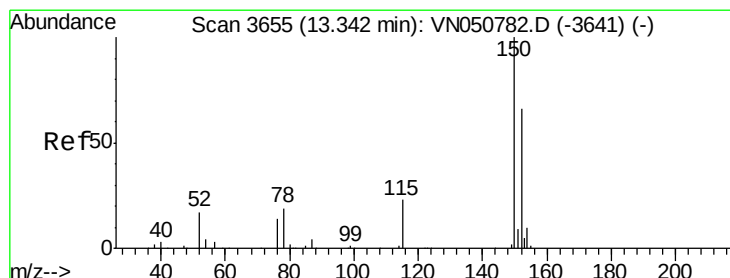
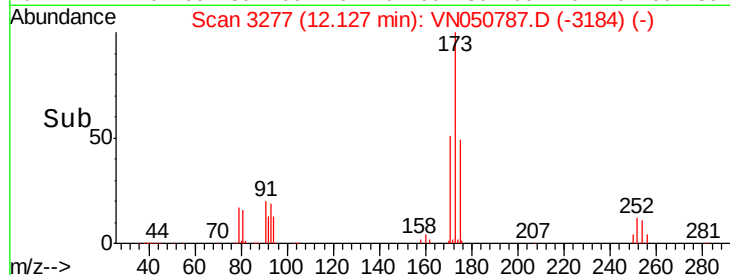
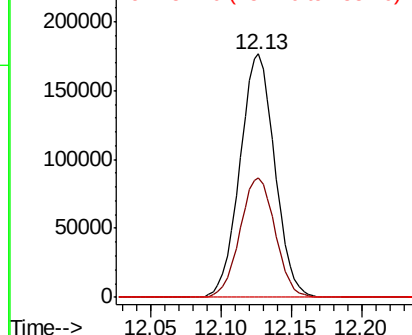
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
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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

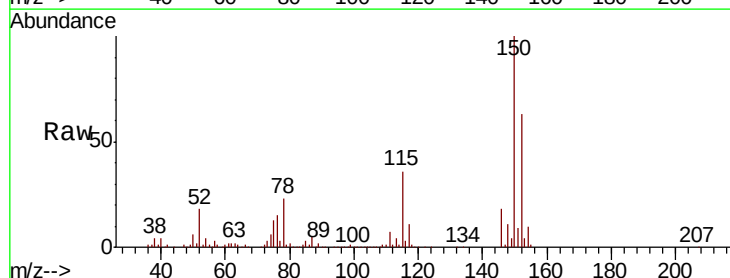
RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

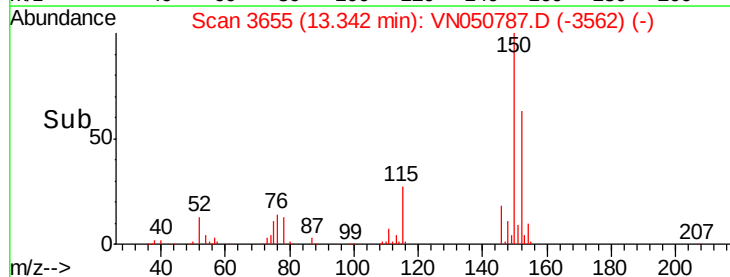
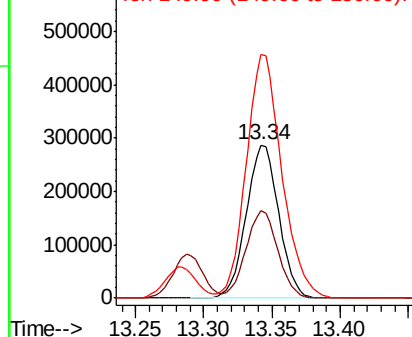
Lab File: VN050787.D

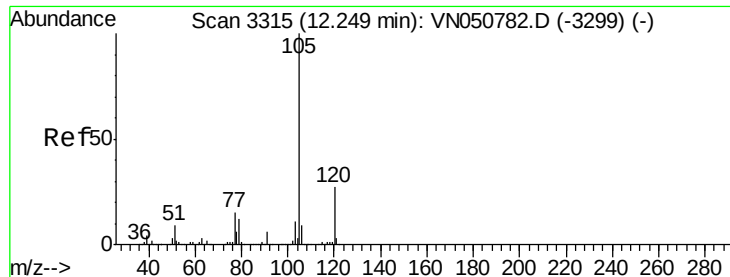
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.4
150	174.4	0.0	351.4



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





#73

Isopropylbenzene

Concen: 52.84 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

Tot Ion:105 Resp: 2070505

Ion Ratio Lower Upper

105 100

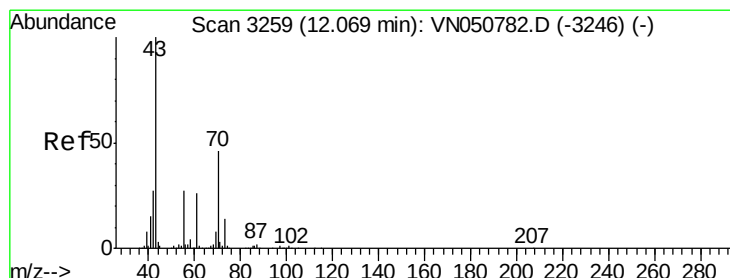
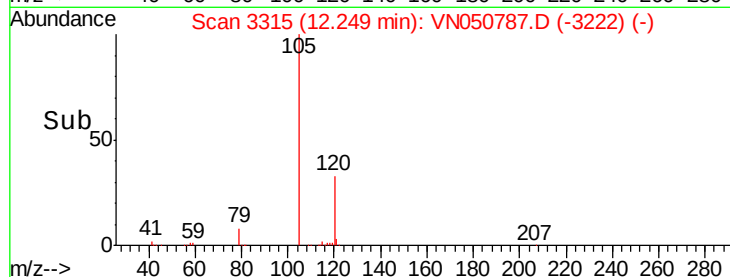
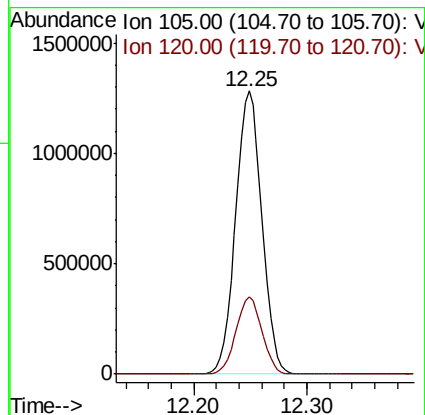
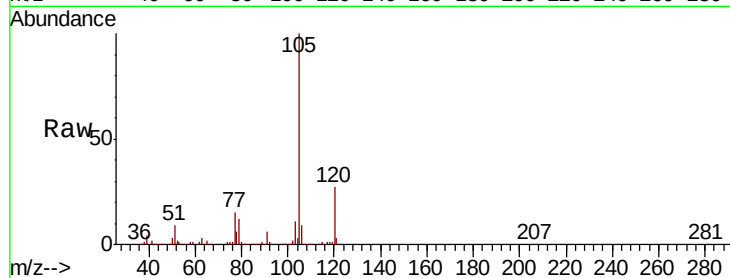
120 27.1 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.24 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion: 43 Resp: 504519

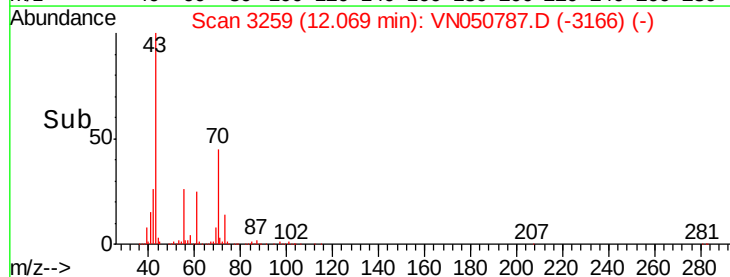
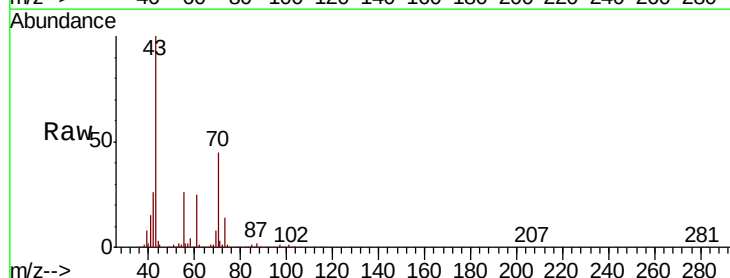
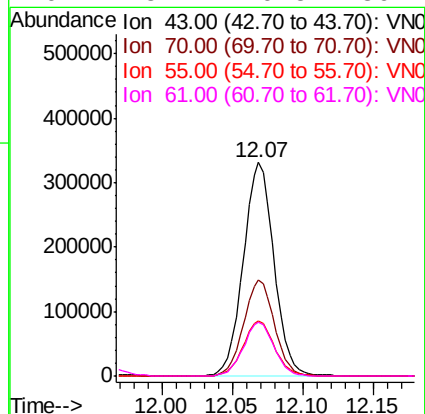
Ion Ratio Lower Upper

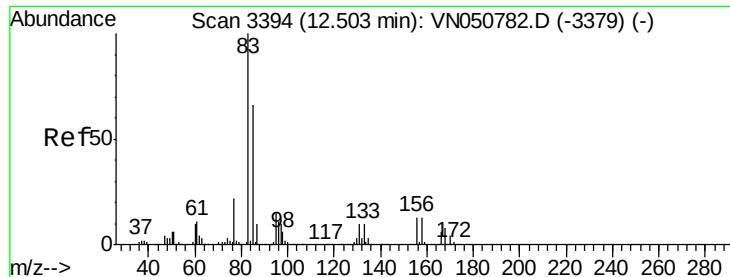
43 100

70 45.3 36.2 54.2

55 26.4 21.8 32.8

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.71 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

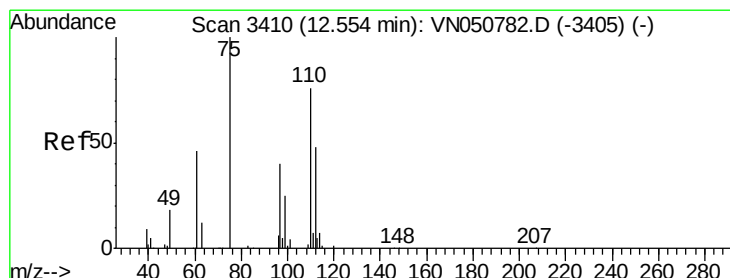
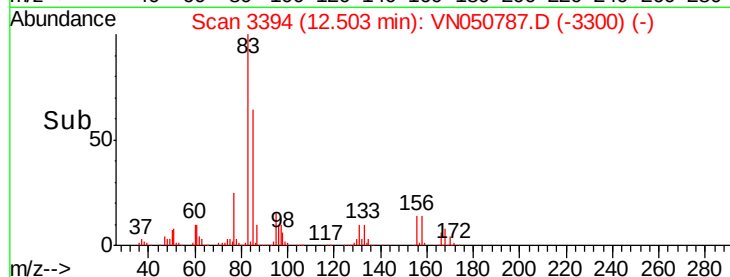
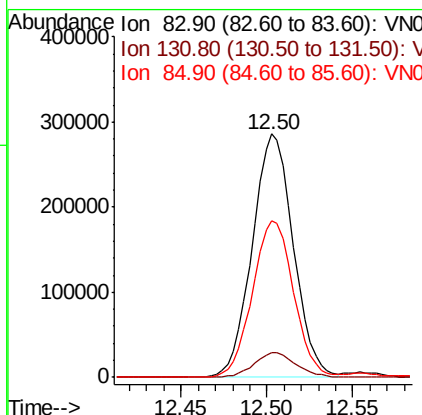
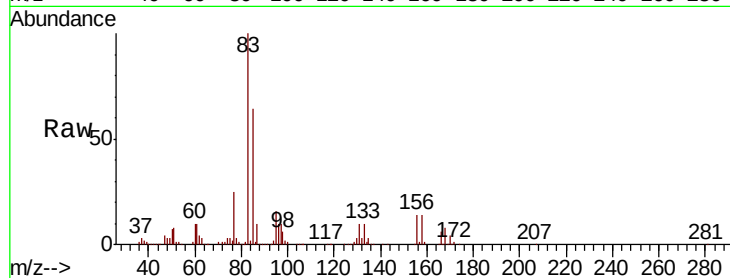
ClientSampleId :

ICVVN082118

Tot Ion:	83	Resp:	473520
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.9
85	64.3	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.07 ug/l m

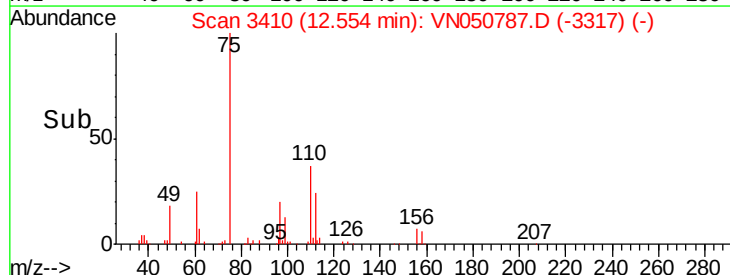
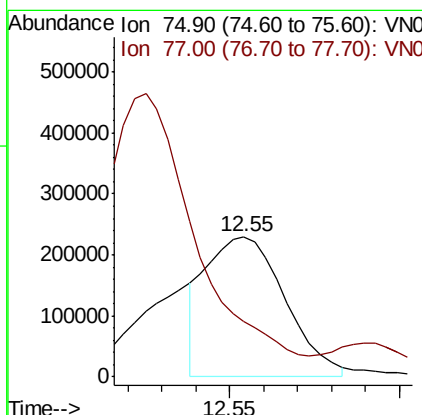
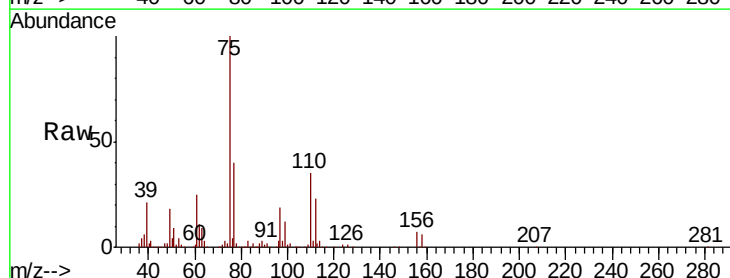
RT: 12.55 min Scan# 3410

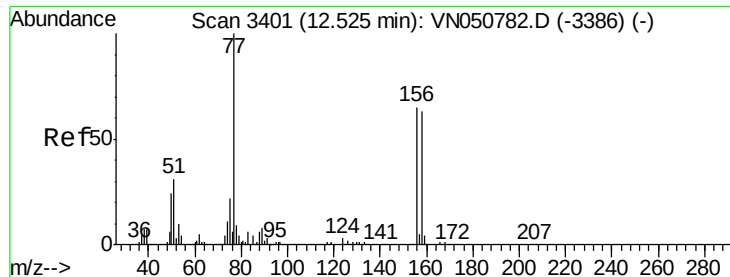
Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion:	75	Resp:	373559
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





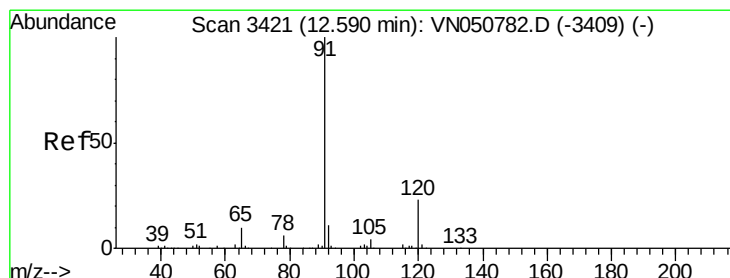
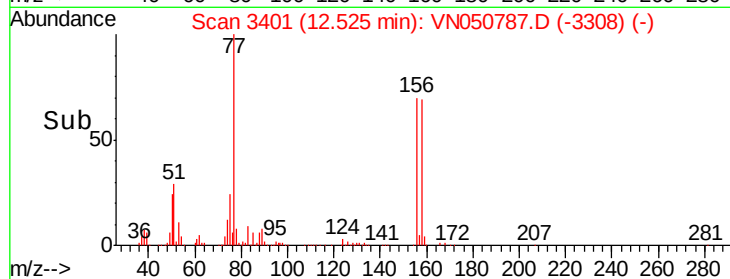
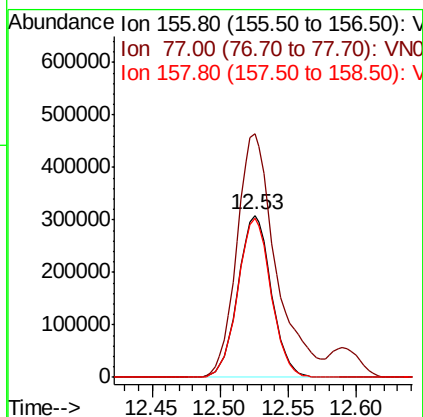
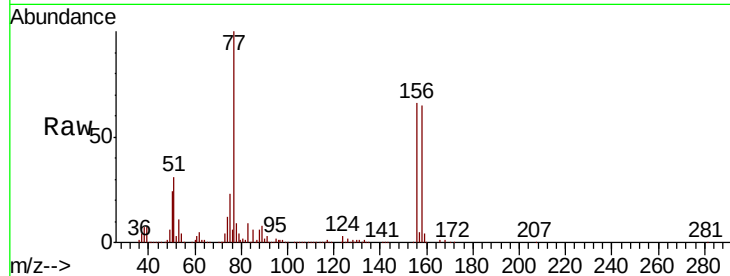
#77
Bromobenzene
Concen: 49.05 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampled :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.2	89.9	269.7
158	97.9	49.3	147.9

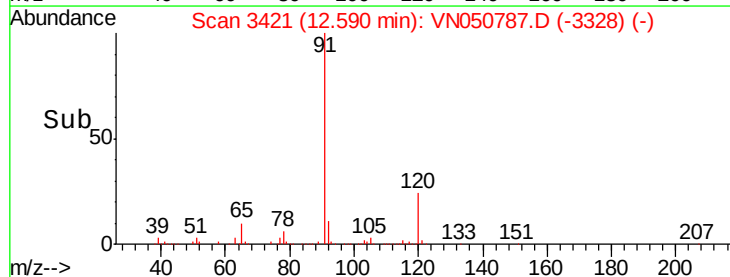
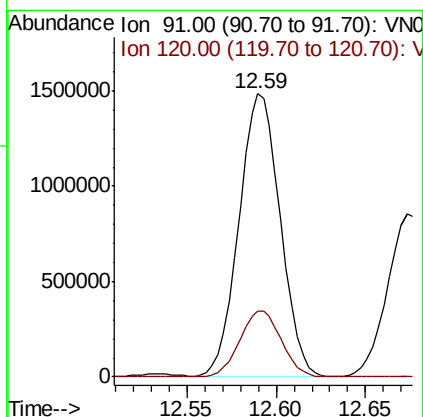
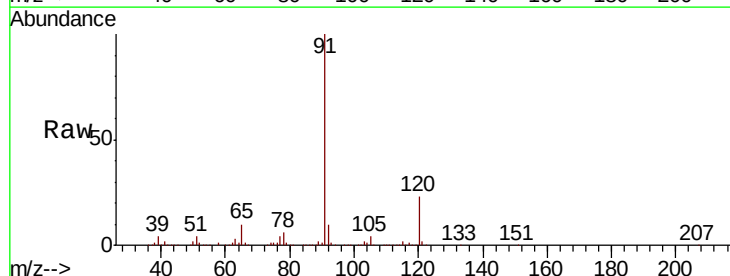
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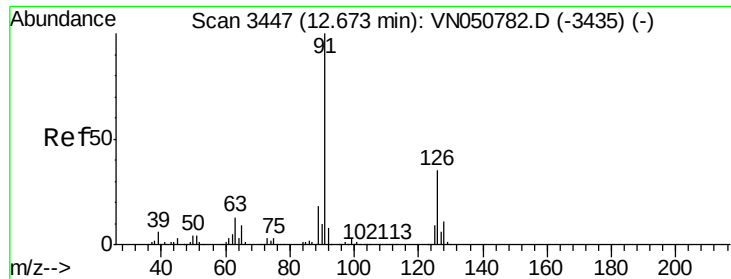
MMDadoda
8/22/2018 11:19:10 AM



#78
n-propylbenzene
Concen: 54.63 ug/l
RT: 12.59 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 51.46 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 91 Resp: 1403282

Ion Ratio Lower Upper

91 100

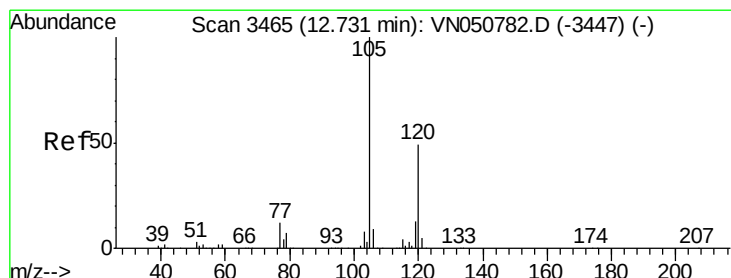
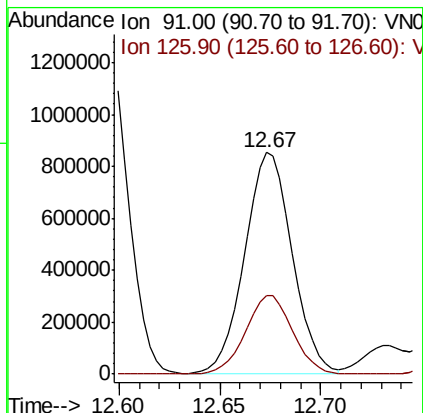
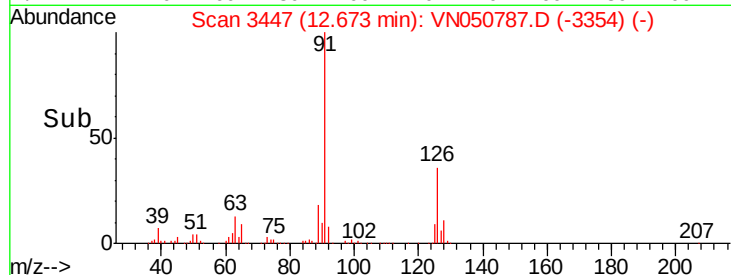
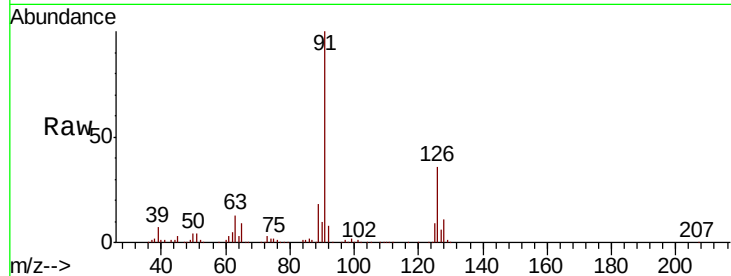
126 35.5 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 53.93 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050787.D

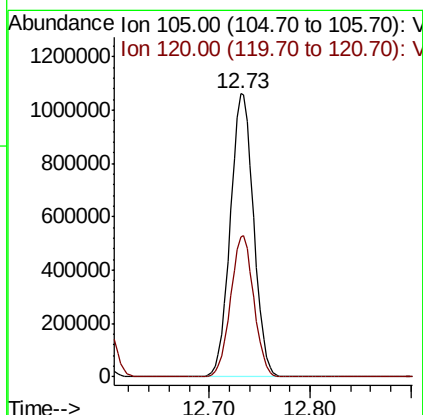
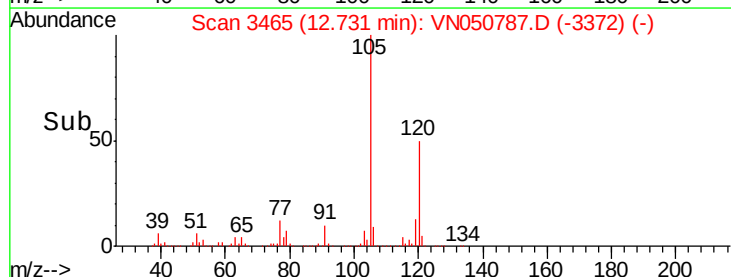
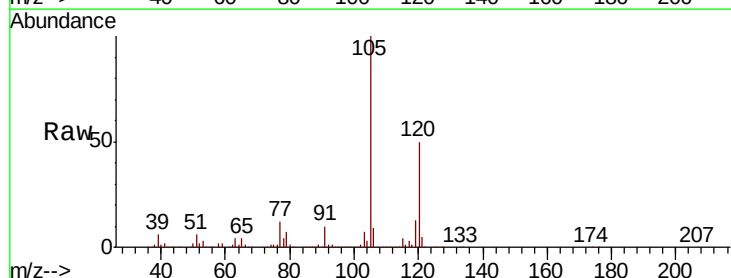
Acq: 21 Aug 2018 14:32

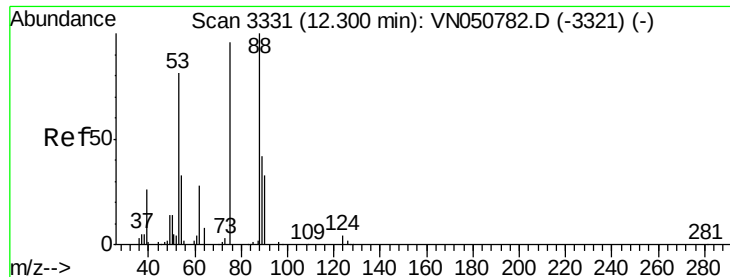
Tgt Ion:105 Resp: 1705280

Ion Ratio Lower Upper

105 100

120 49.7 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.84 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 75 Resp: 124659

Ion Ratio Lower Upper

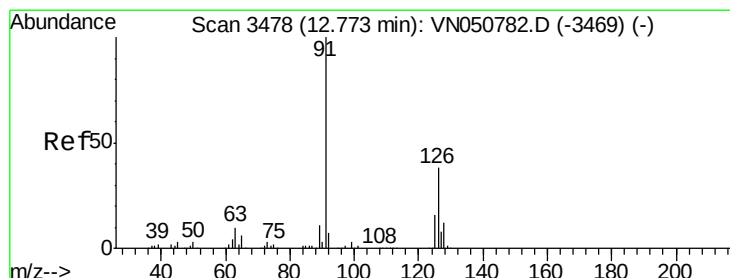
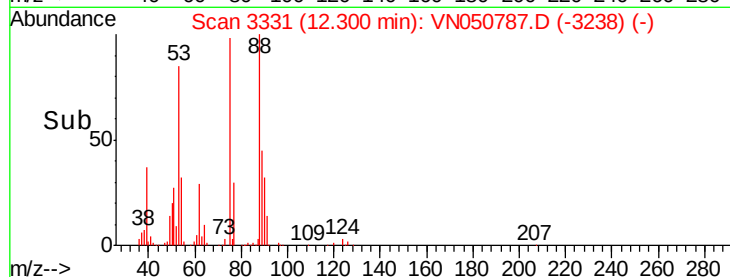
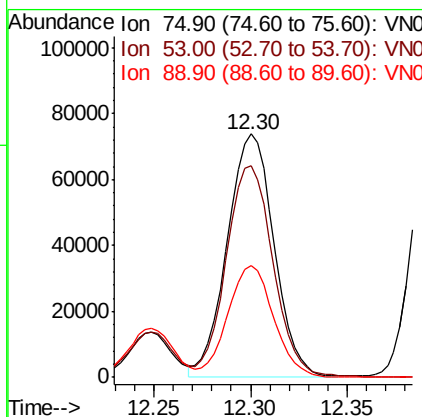
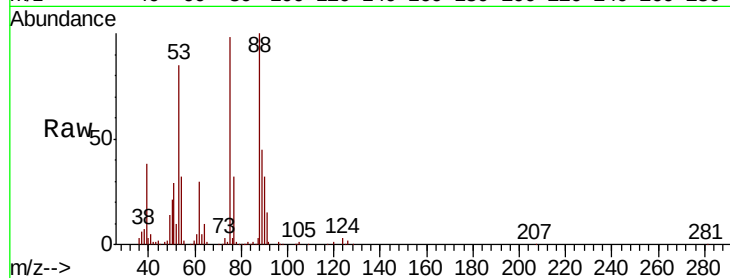
75 100

53 86.5 68.9 103.3

89 44.9 36.1 54.1

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#82

4-Chlorotoluene

Concen: 52.89 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050787.D

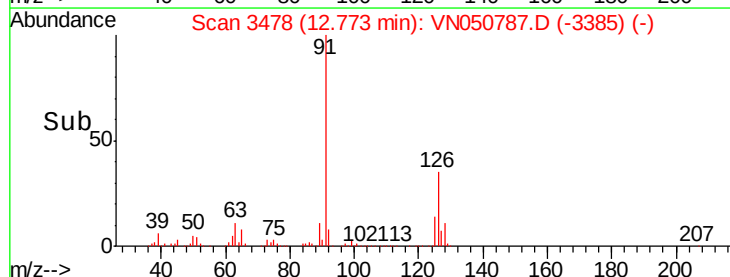
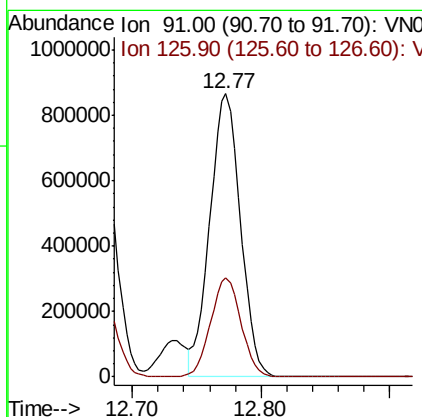
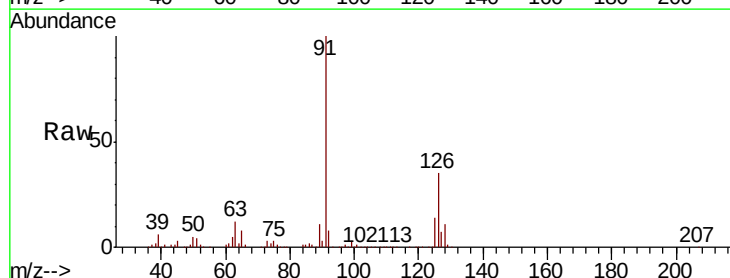
Acq: 21 Aug 2018 14:32

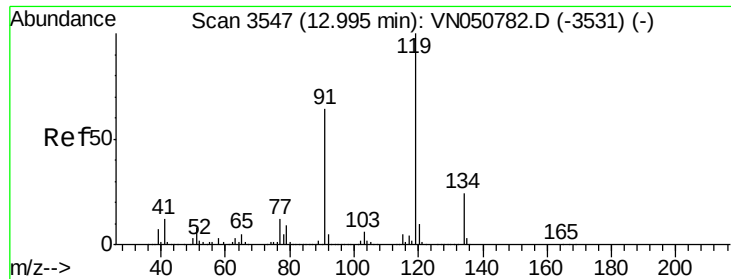
Tgt Ion: 91 Resp: 1423617

Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.5





#83

tert-Butylbenzene

Concen: 53.11 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

Tot Ion:119 Resp: 1454213

Ion Ratio Lower Upper

119 100

91 62.7 31.6 94.7

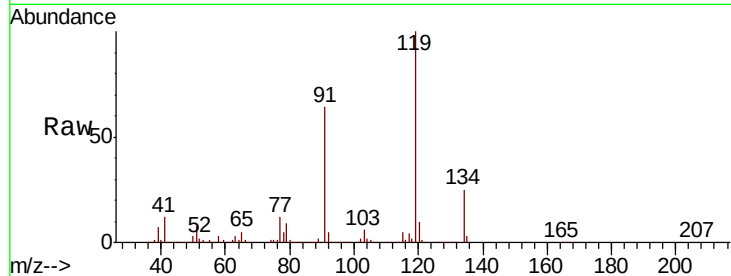
134 26.9 13.4 40.1

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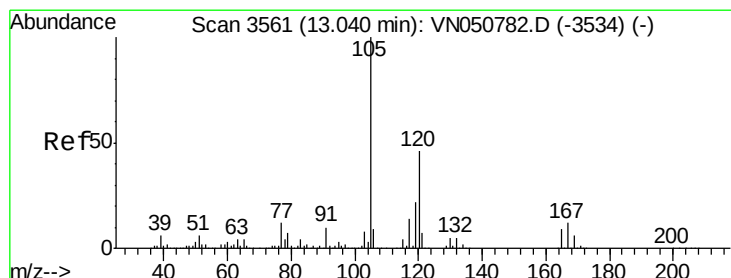
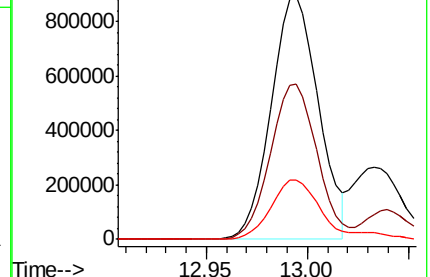
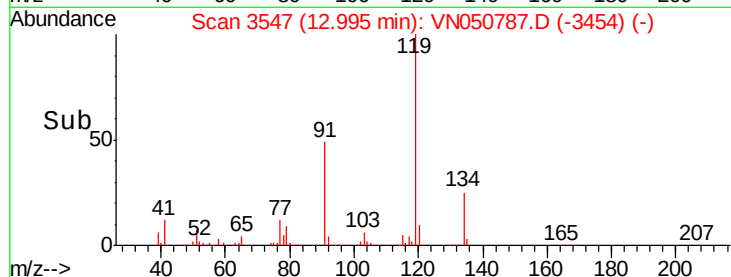
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.99 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050787.D

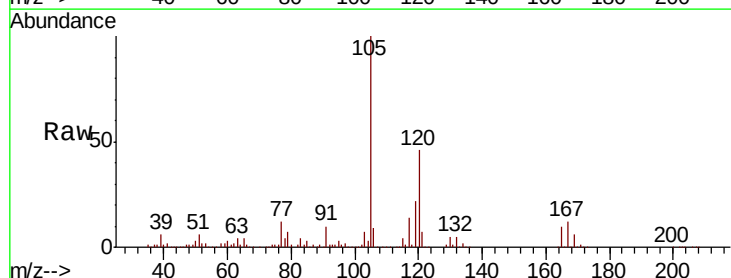
Acq: 21 Aug 2018 14:32

Tgt Ion:105 Resp: 1717277

Ion Ratio Lower Upper

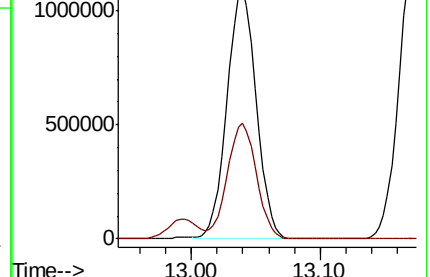
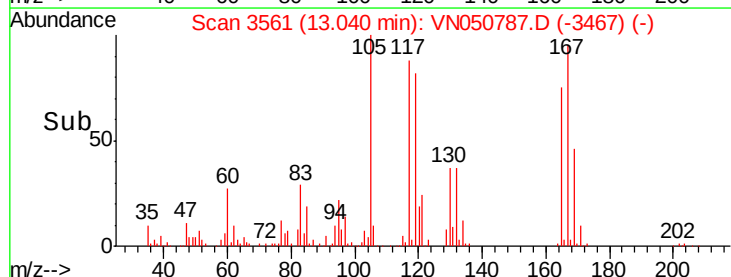
105 100

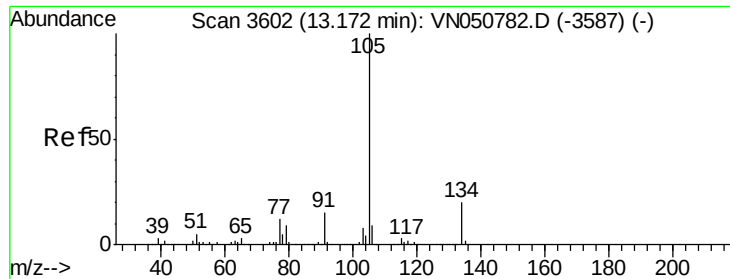
120 46.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.11 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampled :

ICVVN082118

Tot Ion:105 Resp: 1941442

Ion Ratio Lower Upper

105 100

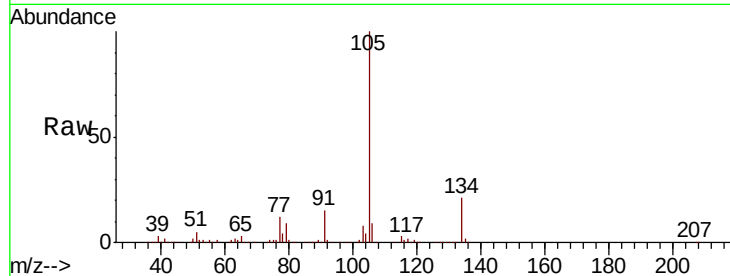
134 20.4 10.3 30.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

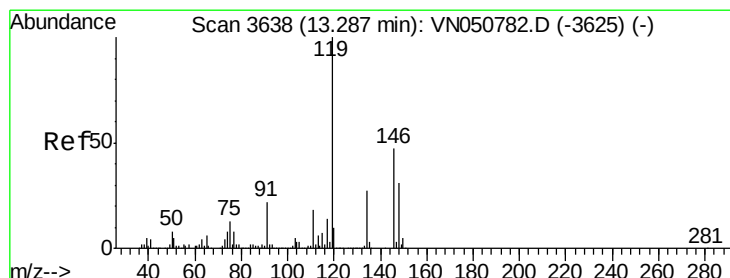
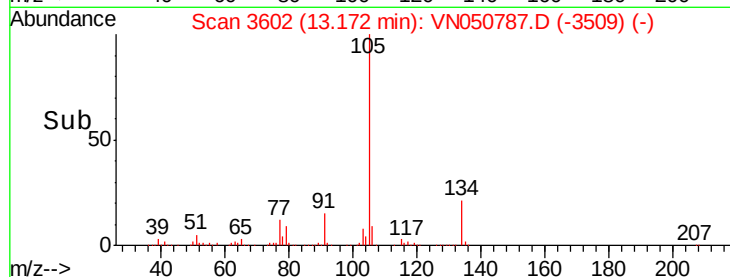
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 55.96 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

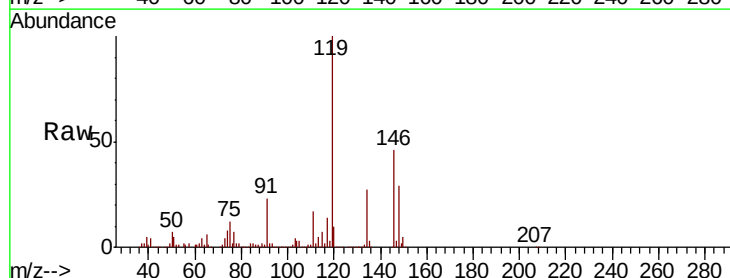
Tgt Ion:119 Resp: 1711080

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 22.6 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

13.29

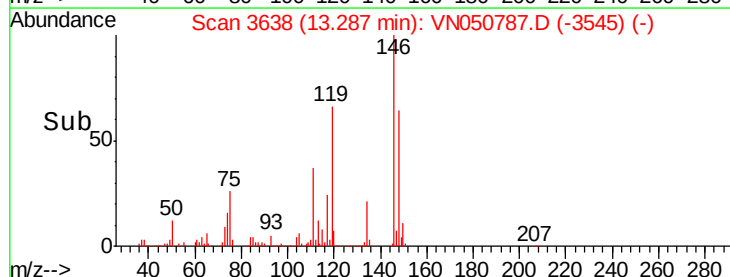
1500000

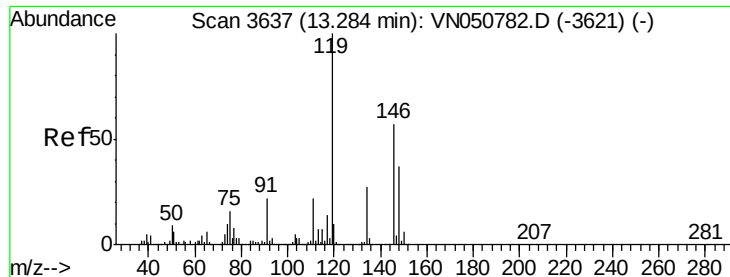
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 50.75 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

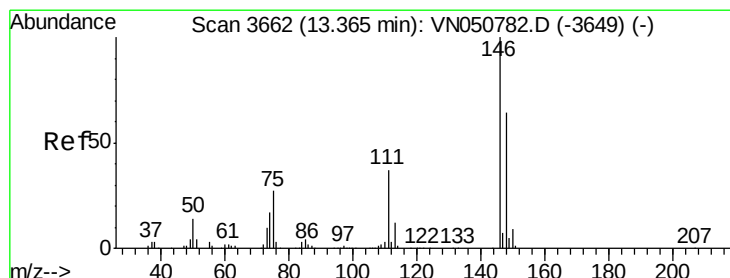
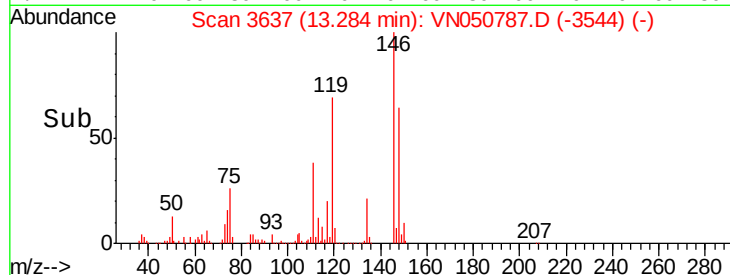
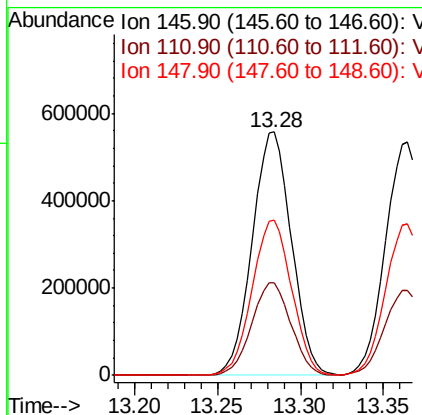
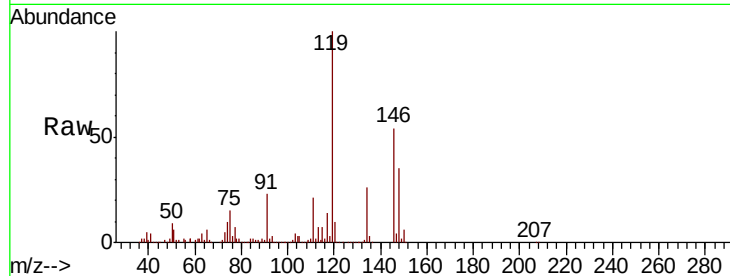
ClientSampleId :

ICVVN082118

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.1	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 49.51 ug/l

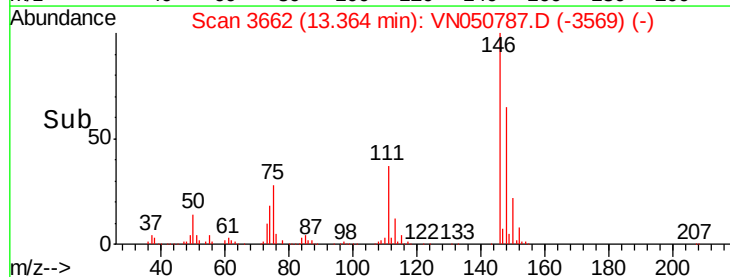
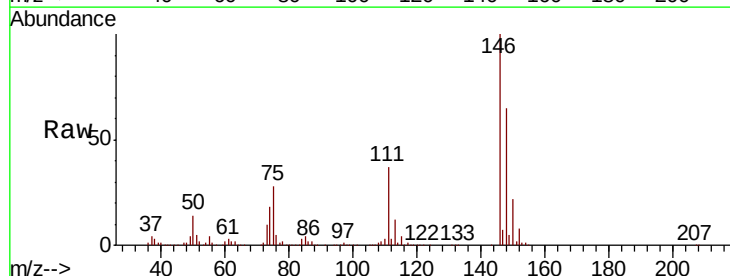
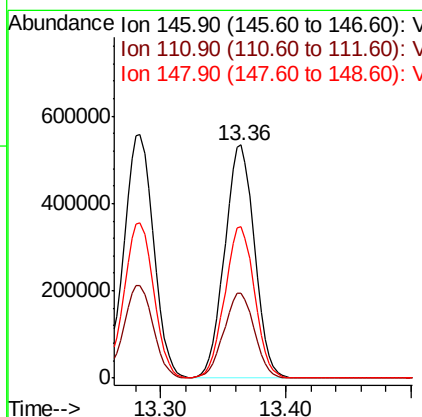
RT: 13.36 min Scan# 3662

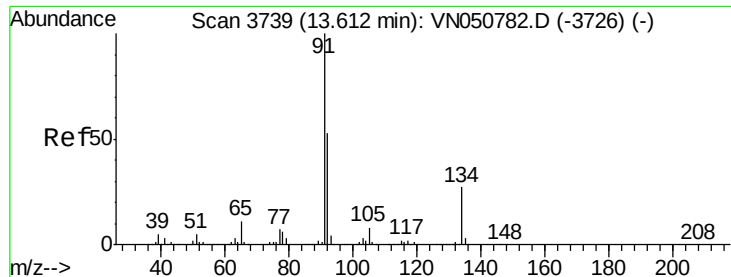
Delta R.T. -0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.3
148	65.0	32.2	96.6





#89

n-Butylbenzene

Concen: 56.82 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050787.D

Acq: 21 Aug 2018 14:32

Instrument :

MSVOA_N

ClientSampleId :

ICVVN082118

Tot Ion: 91 Resp: 1389526

Ion Ratio Lower Upper

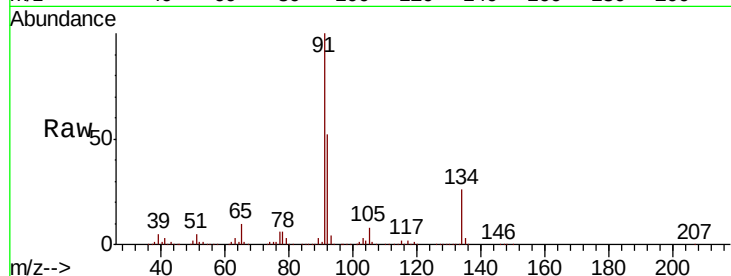
91 100

92 51.9 26.1 78.2

134 26.5 13.2 39.6

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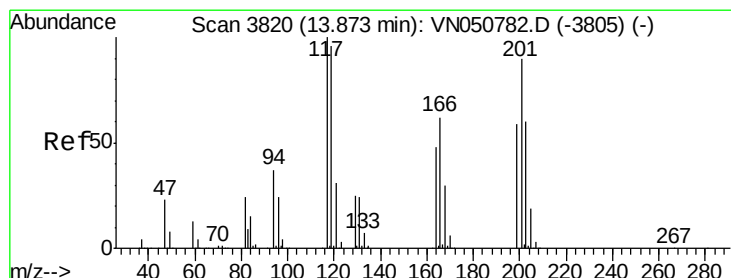
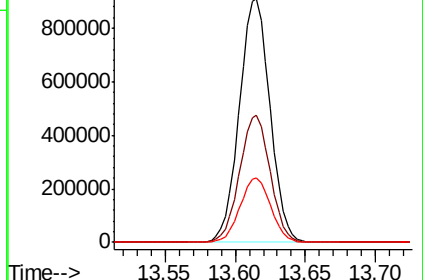
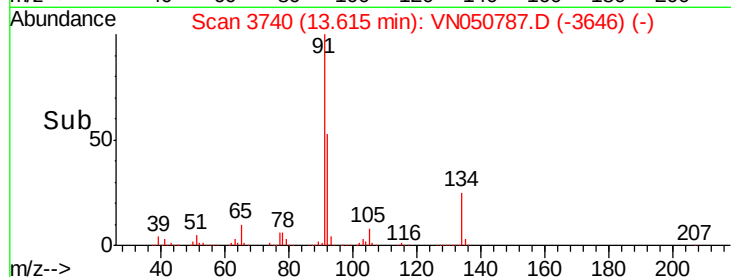
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Abundance Ion 91.00 (90.70 to 91.70): VN050787.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050787.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050787.D (-3726) (-)



#90

Hexachloroethane

Concen: 52.34 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN050787.D

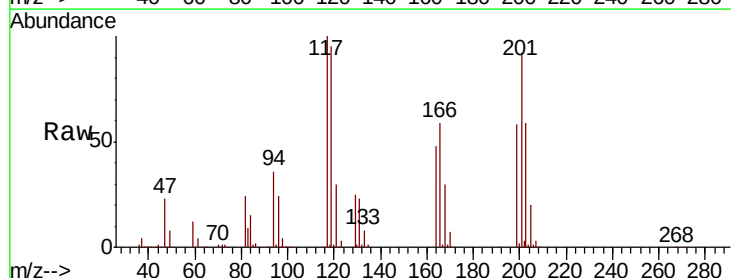
Acq: 21 Aug 2018 14:32

Tgt Ion: 117 Resp: 305041

Ion Ratio Lower Upper

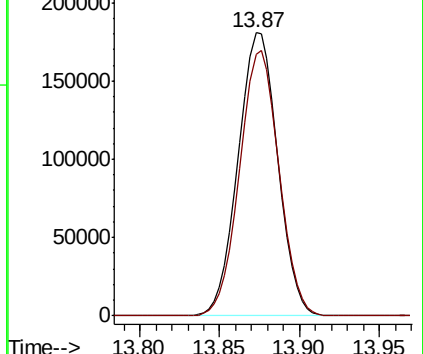
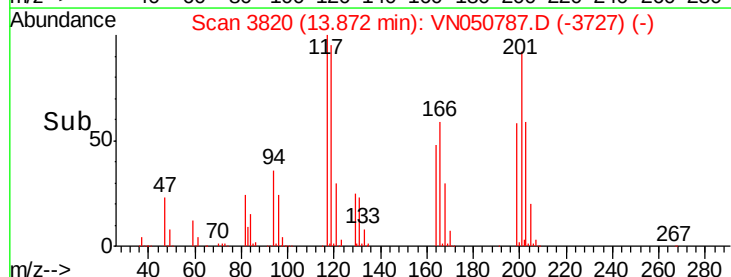
117 100

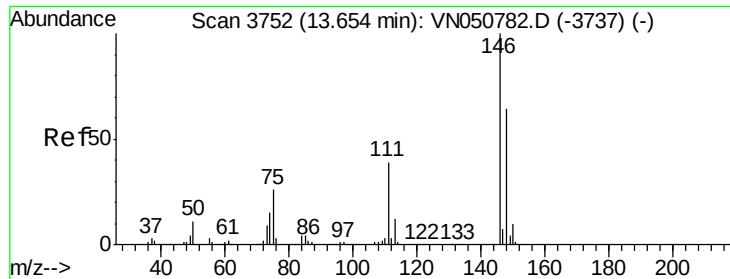
201 92.7 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050787.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050787.D (-3805) (-)





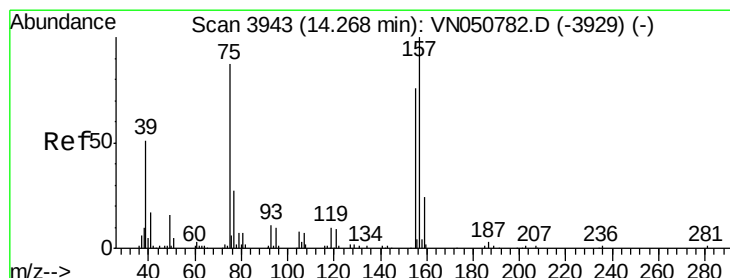
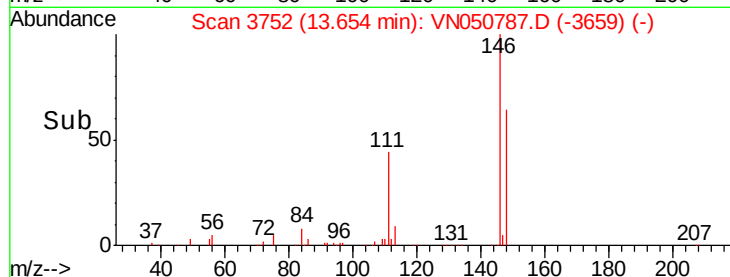
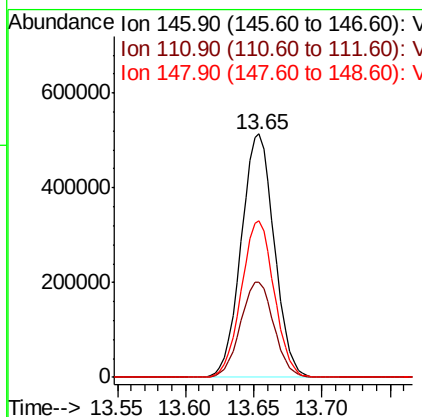
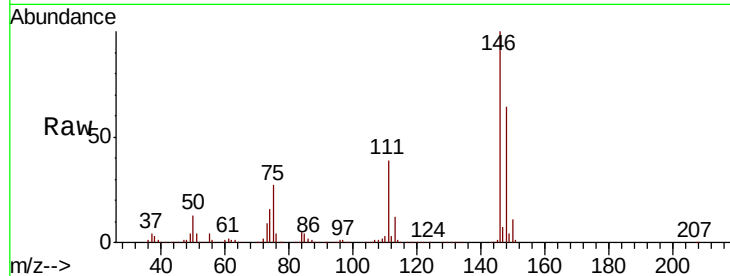
#91
 1,2-Dichlorobenzene
 Concen: 49.45 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.9	32.3	96.8

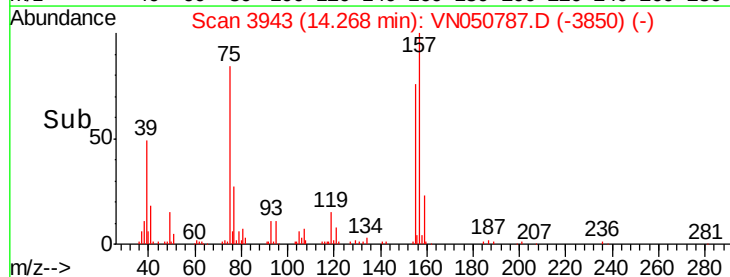
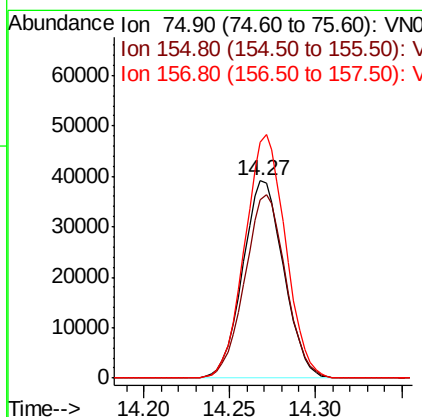
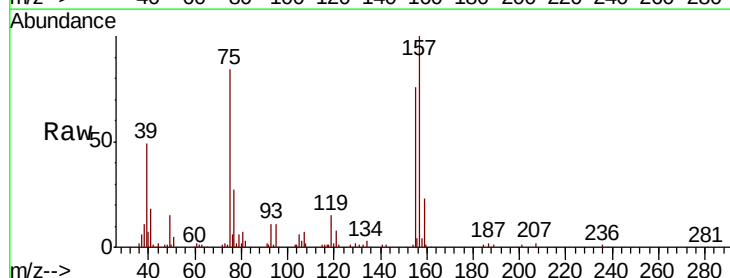
Manual Integrations
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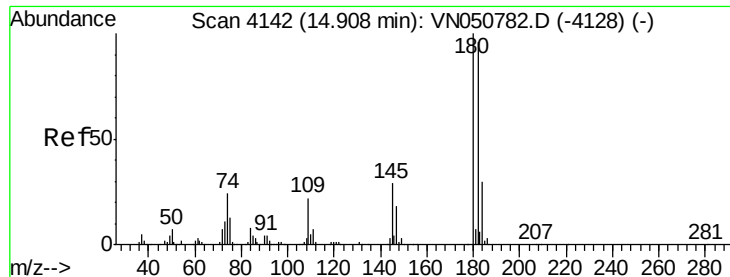
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.03 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	46.4	139.1
157	122.3	60.7	182.0





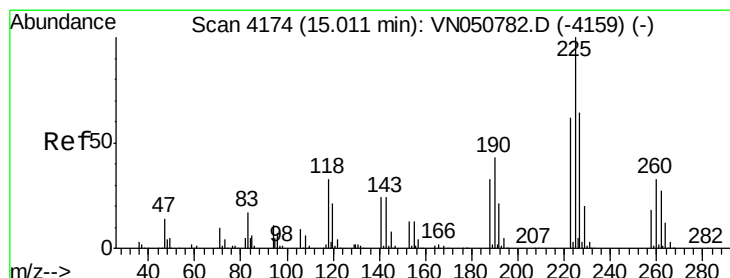
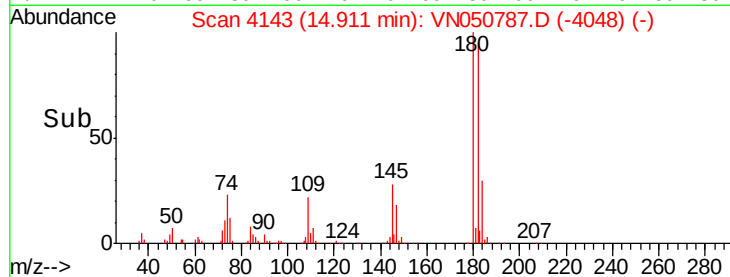
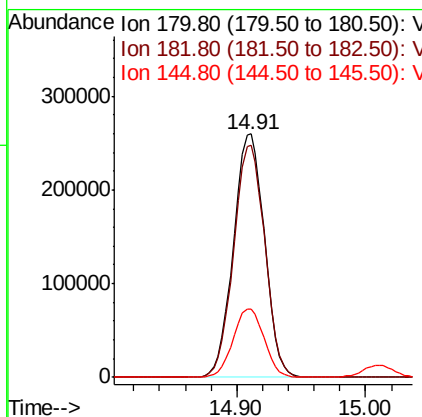
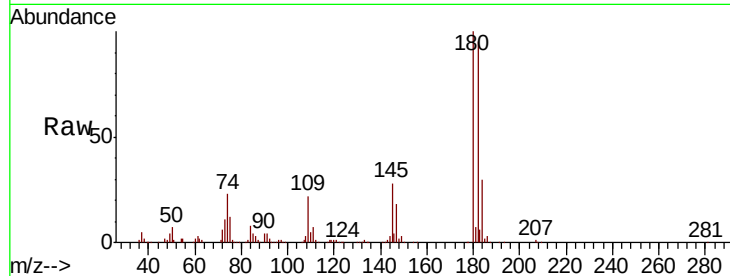
#93
 1,2,4-Trichlorobenzene
 Concen: 48.05 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN082118

Tot Ion:	180	Resp:	434266
Ion Ratio	Lower	Upper	
180	100		
182	95.5	48.2	144.6
145	28.0	14.1	42.2

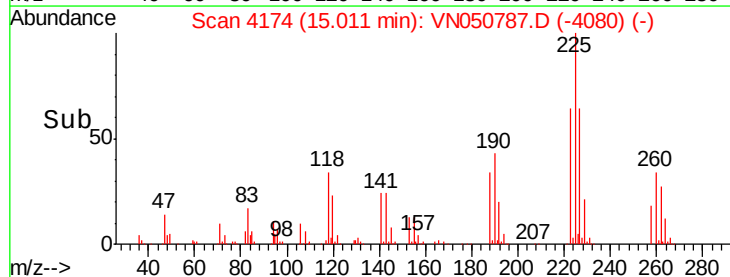
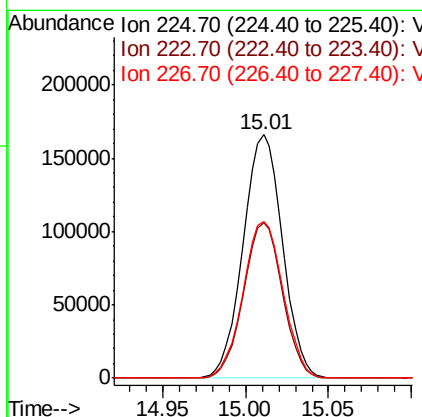
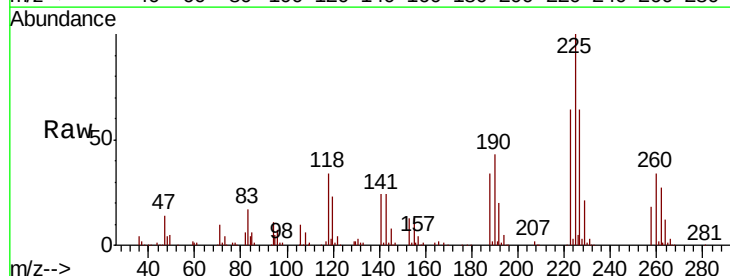
Manual Integrations
 APPROVED

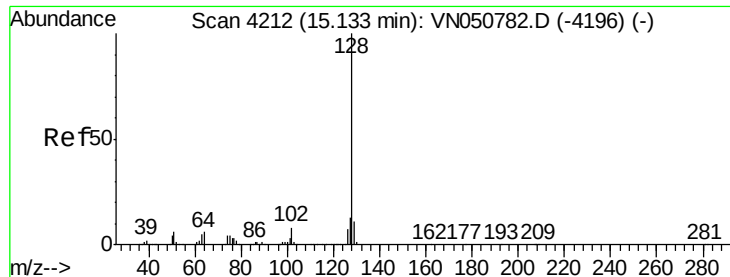
MMDadoda
 8/22/2018 11:19:10 AM



#94
 Hexachlorobutadiene
 Concen: 53.09 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050787.D
 Acq: 21 Aug 2018 14:32

Tgt Ion:	225	Resp:	274070
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.3	93.8
227	65.5	32.0	96.2





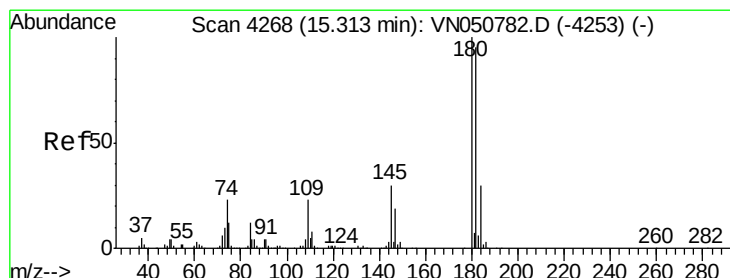
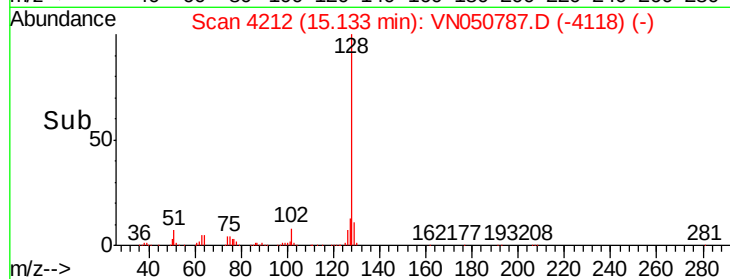
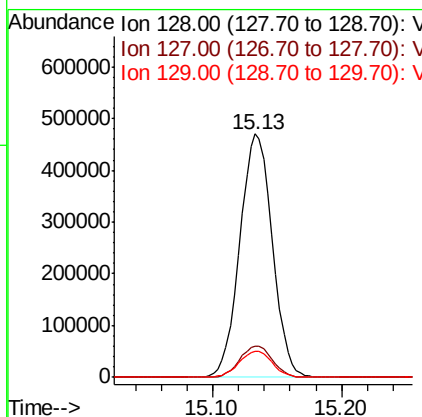
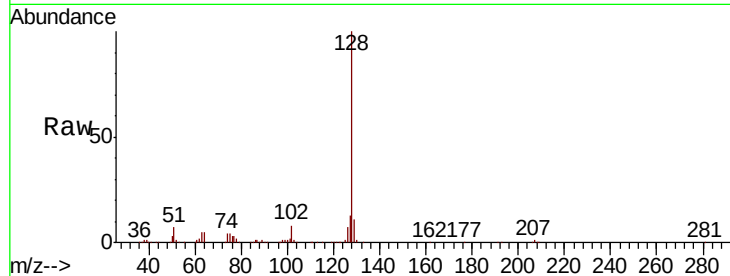
#95
Naphthalene
Concen: 44.27 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082118

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/22/2018 11:19:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.59 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050787.D
Acq: 21 Aug 2018 14:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.2
145	29.6	15.2	45.6

