

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082118\
 Data File : VN050781.D
 Acq On : 21 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:47 AM

Quant Time: Aug 22 03:52:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 03:28:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	637857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	905664	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	834511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	412971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	144185	18.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.56%	
35) Dibromofluoromethane	7.59	113	138592	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	
50) Toluene-d8	10.09	98	504639	18.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.46%	
62) 4-Bromofluorobenzene	12.40	95	161085	18.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	193526	22.67	ug/l	100
3) Chloromethane	2.06	50	213199	20.25	ug/l	100
4) Vinyl Chloride	2.18	62	205776	20.63	ug/l	99
5) Bromomethane	2.57	94	118427	18.45	ug/l	97
6) Chloroethane	2.70	64	117633	20.41	ug/l	100
7) Trichlorofluoromethane	3.01	101	262967	20.59	ug/l	98
8) Diethyl Ether	3.41	74	87826	20.22	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	162631	20.38	ug/l	99
10) Methyl Iodide	3.95	142	110988	17.52	ug/l	99
11) Tert butyl alcohol	4.80	59	47545	97.23	ug/l	98
12) 1,1-Dichloroethene	3.73	96	145206	20.27	ug/l	98
13) Acrolein	3.61	56	26606	99.61	ug/l	97
14) Allyl chloride	4.32	41	218354	19.56	ug/l	99
15) Acrylonitrile	4.99	53	246418	99.16	ug/l	99
16) Acetone	3.82	43	191772	90.57	ug/l	97
17) Carbon Disulfide	4.05	76	464628	19.35	ug/l	100
18) Methyl Acetate	4.33	43	137181	18.79	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	362427	20.11	ug/l	99
20) Methylene Chloride	4.55	84	168897	19.52	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	154063	19.96	ug/l	98
22) Diisopropyl ether	5.95	45	466714	20.98	ug/l	96
23) Vinyl Acetate	5.90	43	1455526	101.59	ug/l	100
24) 1,1-Dichloroethane	5.85	63	287297	20.11	ug/l	99
25) 2-Butanone	6.84	43	280526	90.65	ug/l	98
26) 2,2-Dichloropropane	6.82	77	229573	20.00	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	169077	20.24	ug/l	99
28) Bromochloromethane	7.20	49	120657	19.88	ug/l	100
29) Tetrahydrofuran	7.22	42	178119	100.39	ug/l	100
30) Chloroform	7.37	83	287473	20.33	ug/l	99
31) Cyclohexane	7.66	56	248837	17.54	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	242153	19.93	ug/l	99
36) 1,1-Dichloropropene	7.79	75	215350	20.15	ug/l	99
37) Ethyl Acetate	6.93	43	123650	21.02	ug/l	100
38) Carbon Tetrachloride	7.78	117	219172	20.29	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	224505	19.42	ug/l	94
40) Benzene	8.04	78	657273	20.40	ug/l	97
41) Methacrylonitrile	7.18	41	66776m	21.48	ug/l	
42) 1,2-Dichloroethane	8.13	62	199771	20.73	ug/l	100
43) Isopropyl Acetate	8.17	43	210861	19.98	ug/l	100
44) Trichloroethene	8.84	130	170841	20.10	ug/l	99
45) 1,2-Dichloropropane	9.12	63	172757	20.40	ug/l	99
46) Dibromomethane	9.21	93	101944	20.48	ug/l	99
47) Bromodichloromethane	9.40	83	212964	20.43	ug/l	97
48) Methyl methacrylate	9.20	41	109457	20.35	ug/l	97
49) 1,4-Dioxane	9.20	88	29249	398.85	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	617206	97.99	ug/l	99
52) Toluene	10.16	92	400573	20.98	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	204989	19.76	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	246095	20.71	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	144980	20.46	ug/l	99
56) Ethyl methacrylate	10.43	69	160362	19.95	ug/l	98
57) 1,3-Dichloropropane	10.71	76	238971	20.43	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	350918	102.27	ug/l	99
59) 2-Hexanone	10.75	43	396789	94.62	ug/l	98
60) Dibromochloromethane	10.90	129	161519	20.36	ug/l	100
61) 1,2-Dibromoethane	11.01	107	139345	20.34	ug/l	99
64) Tetrachloroethene	10.63	164	159179	20.08	ug/l	99
65) Chlorobenzene	11.43	112	433168	19.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	159517	19.99	ug/l	99
67) Ethyl Benzene	11.51	91	704076	19.85	ug/l	99
68) m/p-Xylenes	11.62	106	565143	41.99	ug/l	100
69) o-Xylene	11.95	106	263386	20.35	ug/l	98
70) Styrene	11.96	104	424959	21.01	ug/l	99
71) Bromoform	12.13	173	110286	20.09	ug/l	# 100
73) Isopropylbenzene	12.25	105	699841	20.47	ug/l	100
74) N-amyl acetate	12.07	43	168666	19.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	179382	19.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	152211m	21.74	ug/l	
77) Bromobenzene	12.53	156	181488	19.53	ug/l	99
78) n-propylbenzene	12.59	91	790238	20.69	ug/l	100
79) 2-Chlorotoluene	12.68	91	488827	20.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	584460	21.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41610	19.45	ug/l	96
82) 4-Chlorotoluene	12.77	91	485582	20.67	ug/l	99
83) tert-Butylbenzene	12.99	119	485545	20.32	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	594277	21.41	ug/l	100
85) sec-Butylbenzene	13.17	105	652929	20.85	ug/l	100
86) p-Isopropyltoluene	13.29	119	559941	20.99	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	314883	19.97	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	303493	19.55	ug/l	99
89) n-Butylbenzene	13.62	91	419362	19.65	ug/l	98
90) Hexachloroethane	13.87	117	103507	18.74	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	303375	19.94	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23553	19.18	ug/l	96

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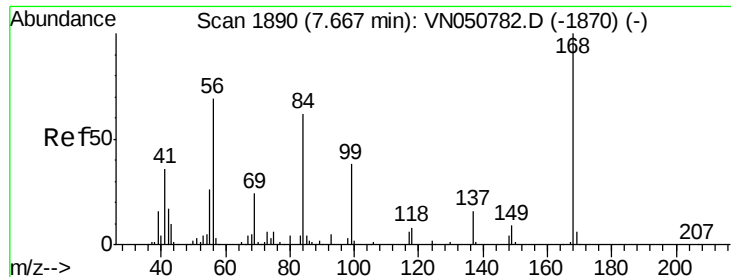
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120316	18.17	ug/l	98
94) Hexachlorobutadiene	15.01	225	95111	19.17	ug/l	97
95) Naphthalene	15.13	128	221520	16.95	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	121417	18.83	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 637857

Ion Ratio Lower Upper

168 100

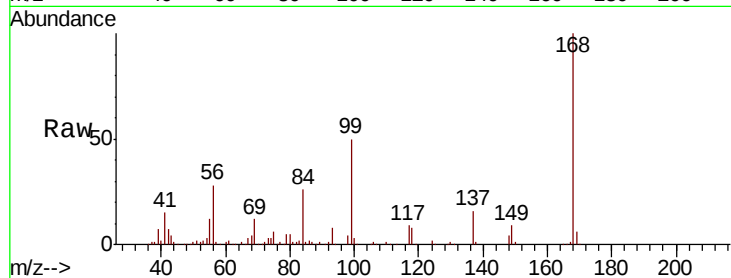
99 50.2 39.6 59.4

Manual Integrations

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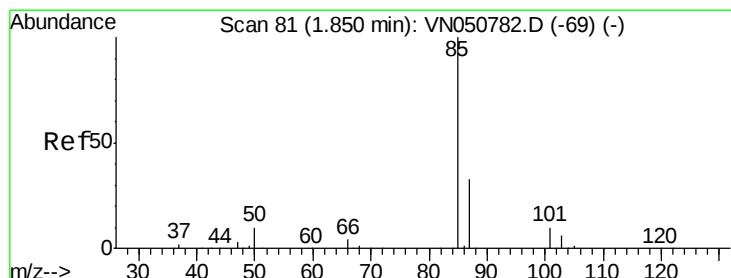
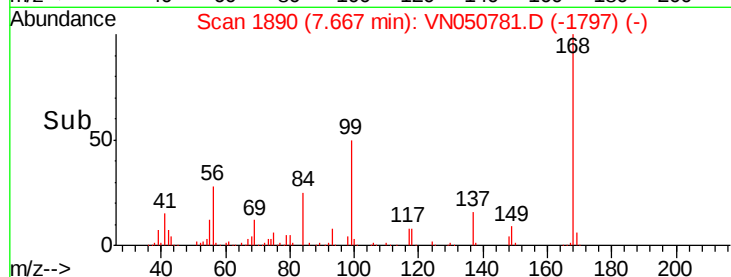
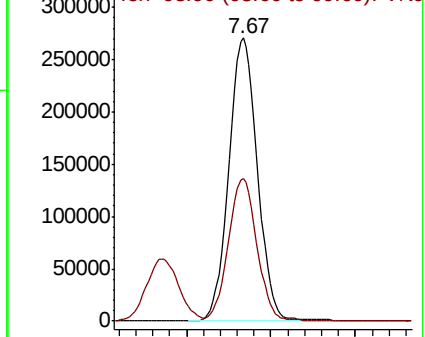
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.67 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050781.D

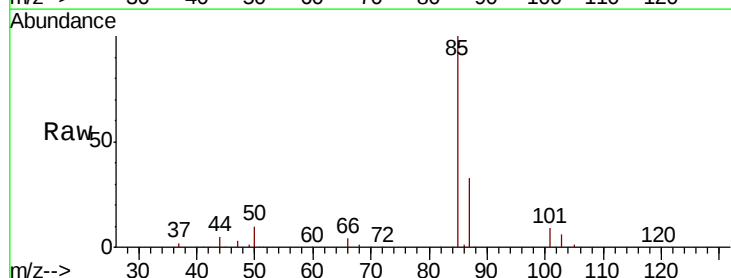
Acq: 21 Aug 2018 10:45

Tgt Ion: 85 Resp: 193526

Ion Ratio Lower Upper

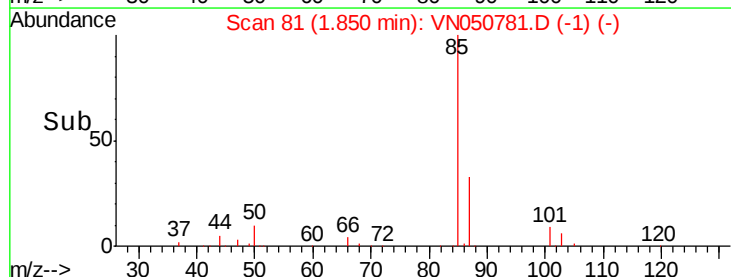
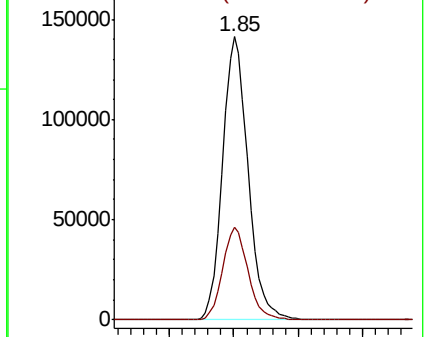
85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.25 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 213199

Ion Ratio Lower Upper

50 100

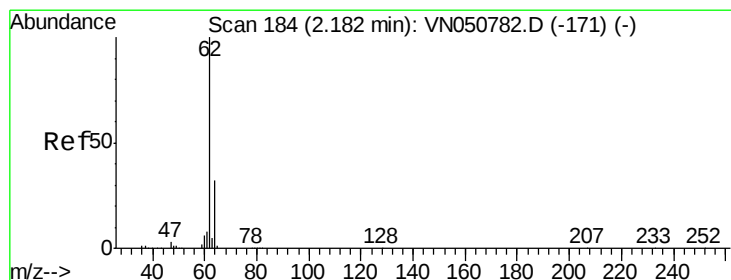
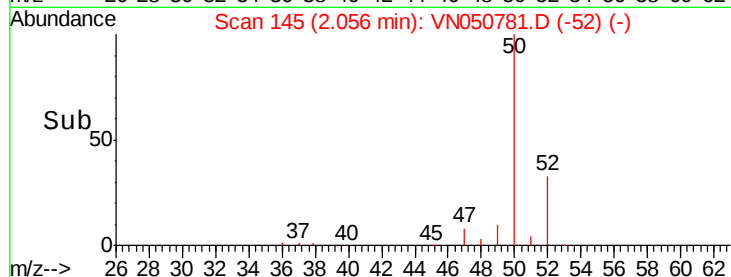
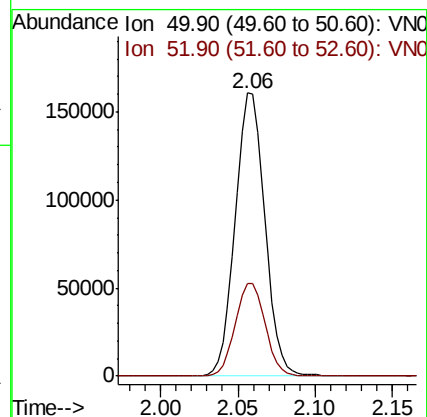
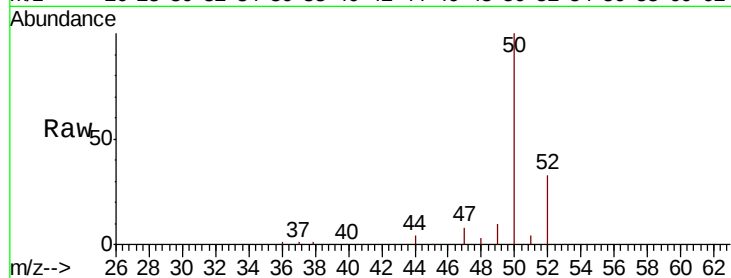
52 32.7 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.63 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050781.D

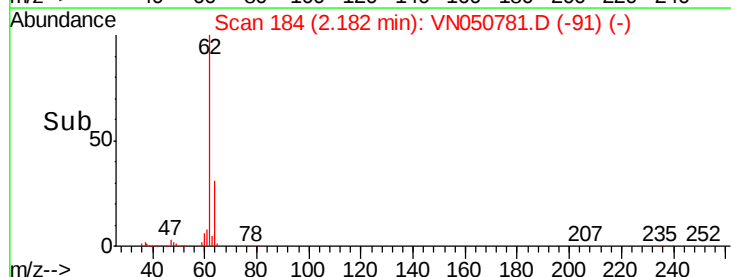
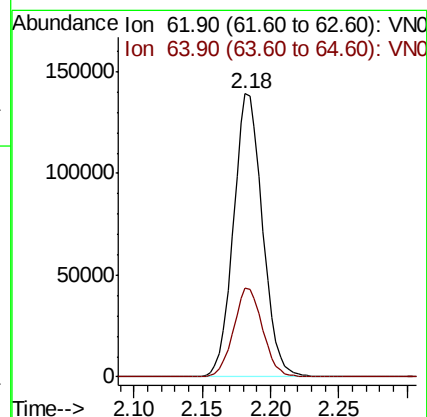
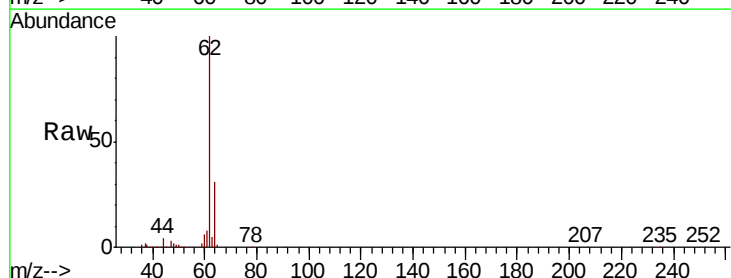
Acq: 21 Aug 2018 10:45

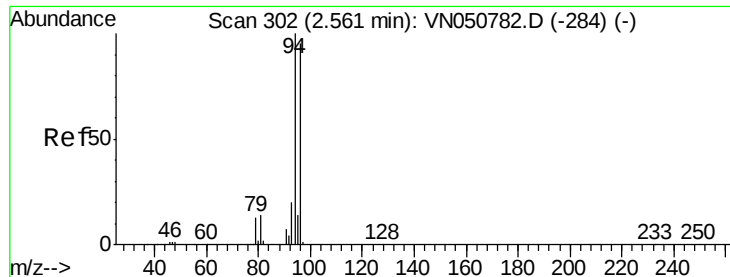
Tgt Ion: 62 Resp: 205776

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.2





#5

Bromomethane

Concen: 18.45 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 118427

Ion Ratio Lower Upper

94 100

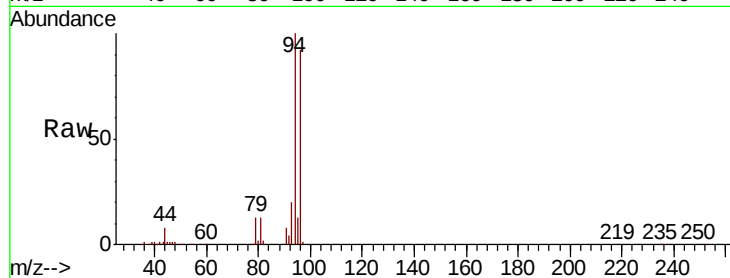
96 91.9 76.2 114.2

Manual Integrations

APPROVED

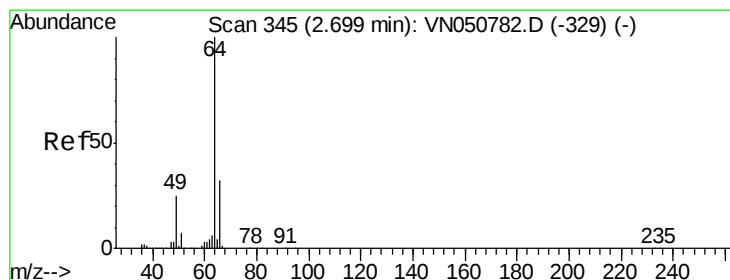
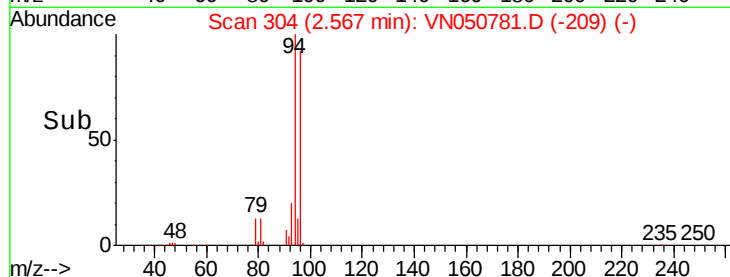
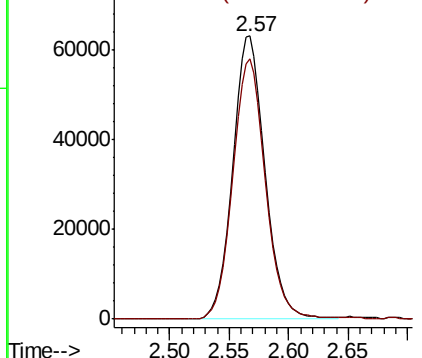
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.41 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050781.D

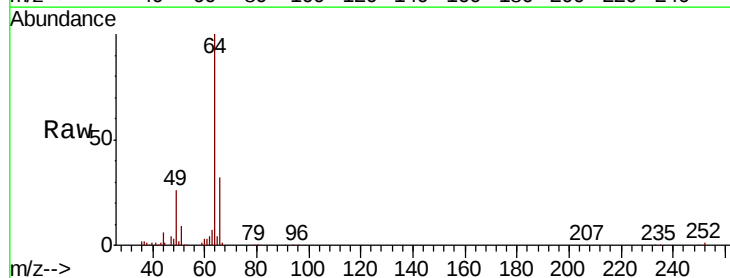
Acq: 21 Aug 2018 10:45

Tgt Ion: 64 Resp: 117633

Ion Ratio Lower Upper

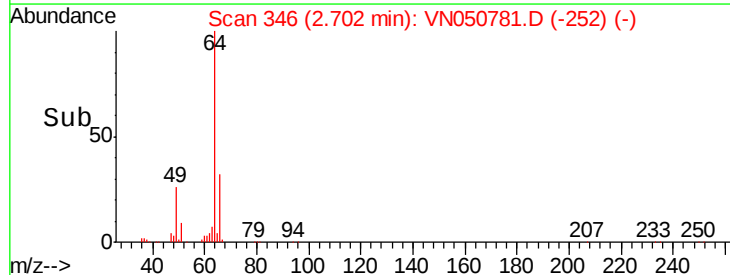
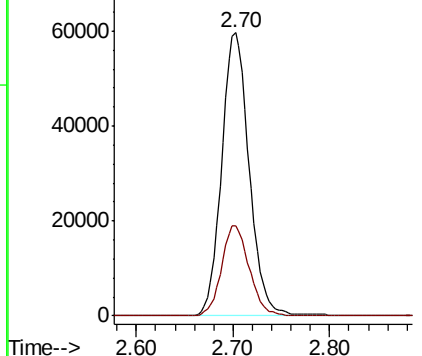
64 100

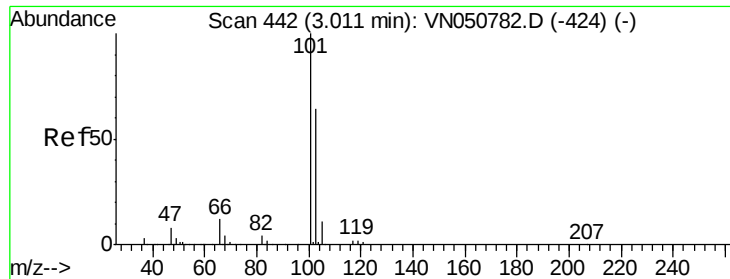
66 31.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

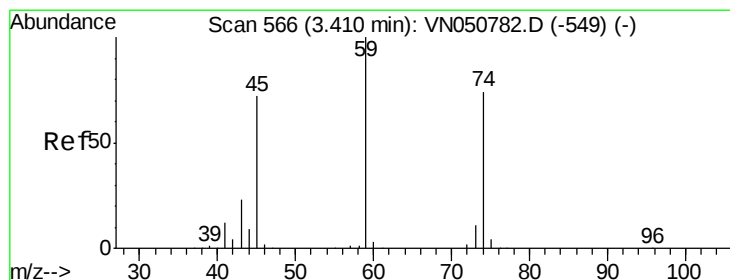
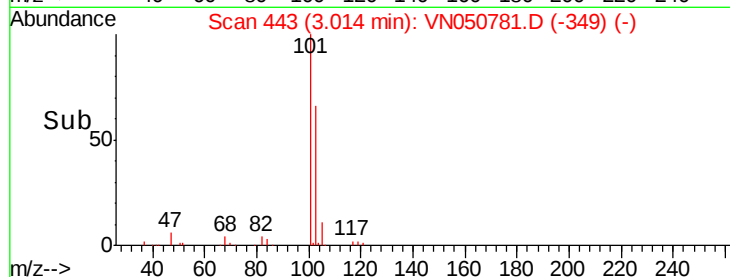
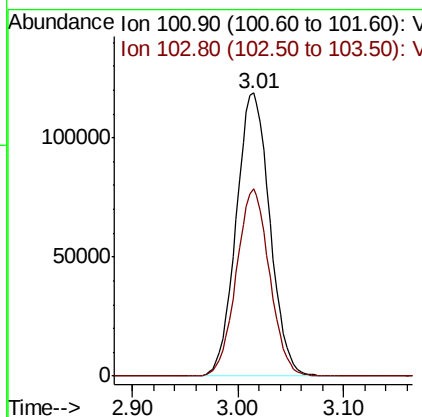
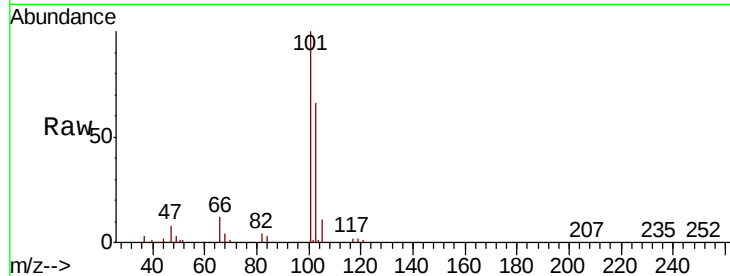
Trichlorofluoromethane
 Concen: 20.59 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.6	77.4

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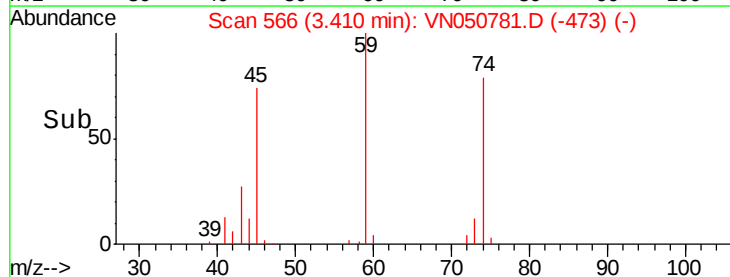
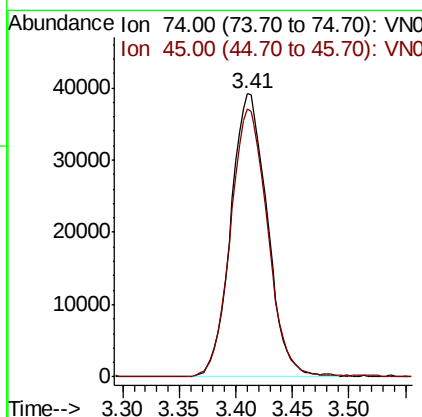
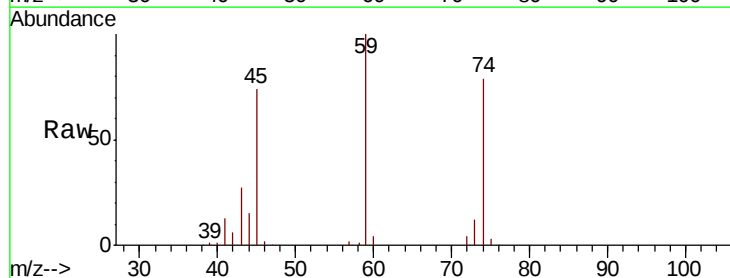
MMDadoda
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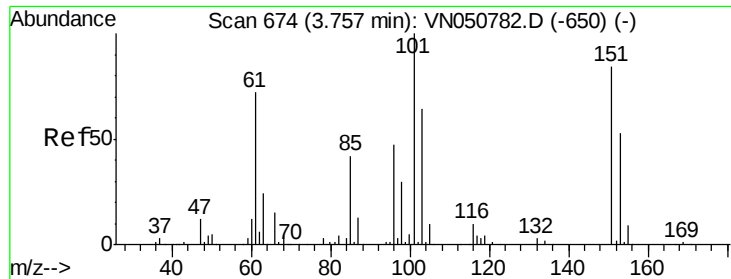


#8

Diethyl Ether
 Concen: 20.22 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.8	48.2	144.6





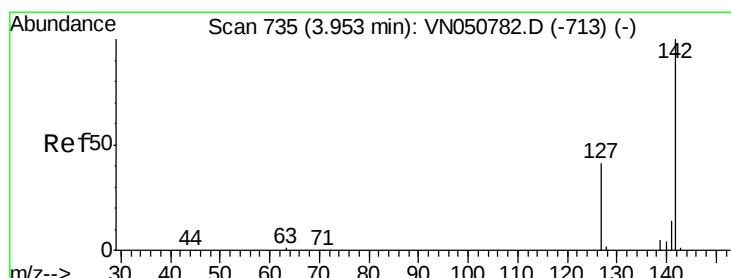
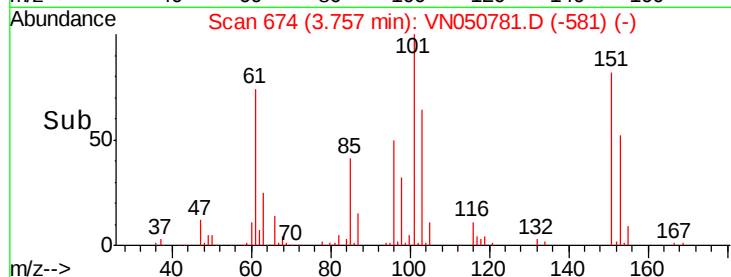
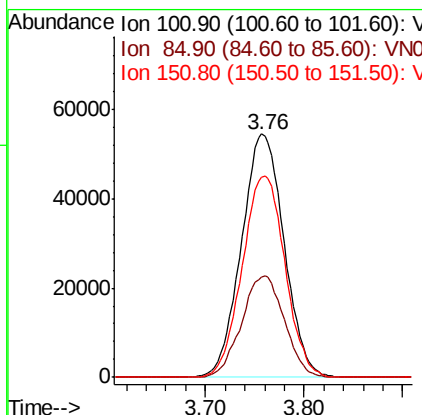
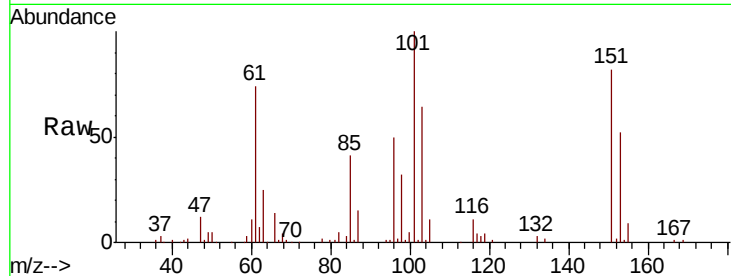
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.38 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

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 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	162631		
85	41.8	33.7	50.5	
151	83.1	67.4	101.2	

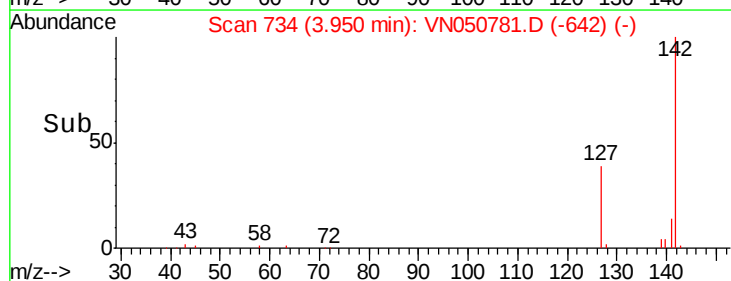
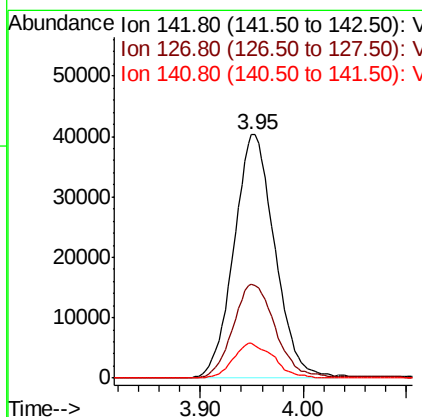
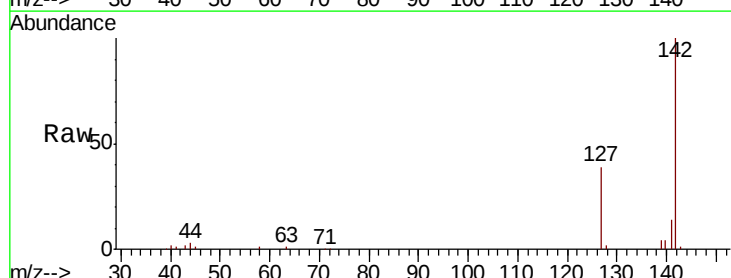
Manual Integrations
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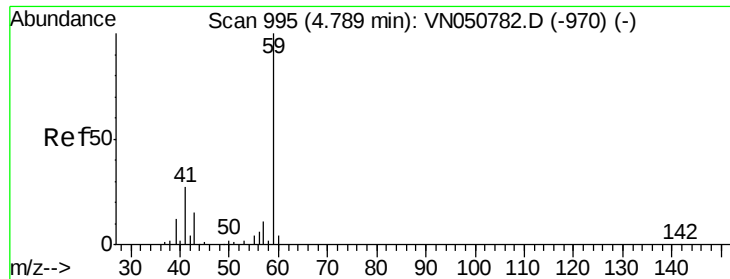
MMDadoda
 8/22/2018 11:18:47 AM



#10
 Methyl Iodide
 Concen: 17.52 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	110988		
127	40.1	31.7	47.5	
141	14.2	11.4	17.0	





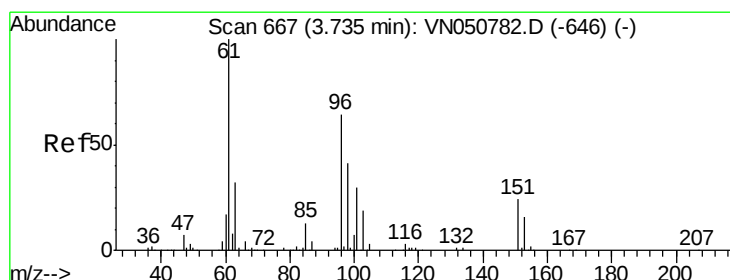
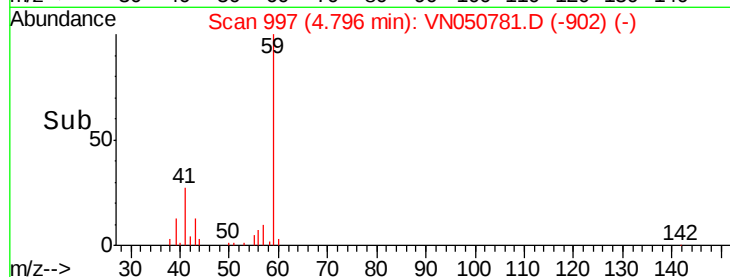
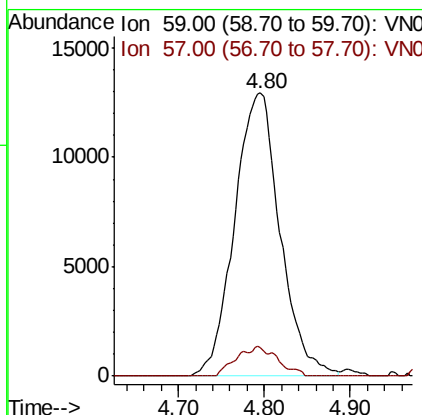
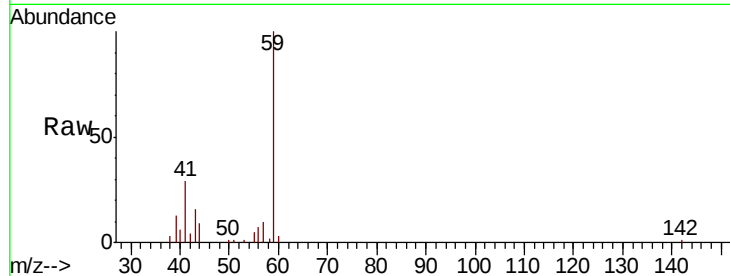
#11
Tert butyl alcohol
Concen: 97.23 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	47545
Ion Ratio	100	Lower	Upper
57	9.5	8.3	12.5

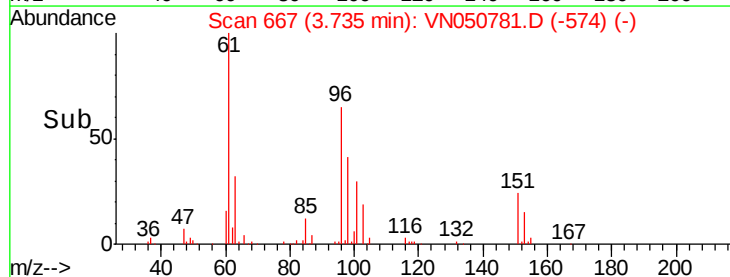
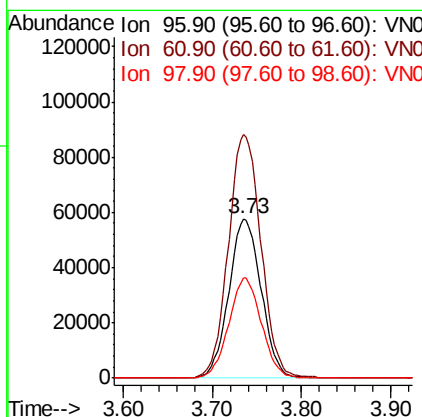
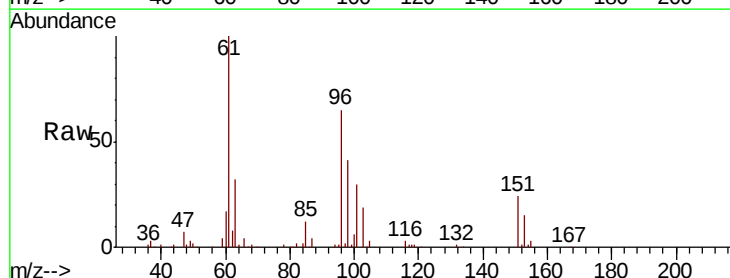
Manual Integrations
APPROVED

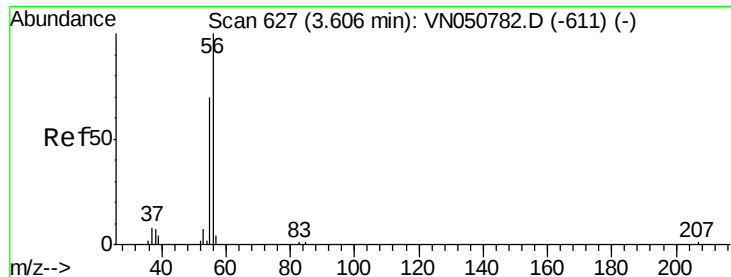
MMDadoda
8/22/2018 11:18:47 AM



#12
1,1-Dichloroethene
Concen: 20.27 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	96	Resp	145206
Ion Ratio	100	Lower	Upper
61	153.0	124.9	187.3
98	62.6	51.1	76.7





#13

Acrolein

Concen: 99.61 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 26606

Ion Ratio Lower Upper

56 100

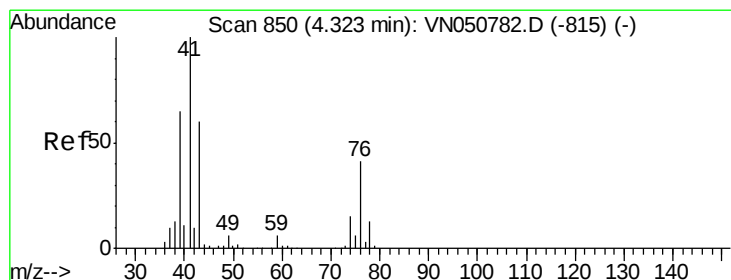
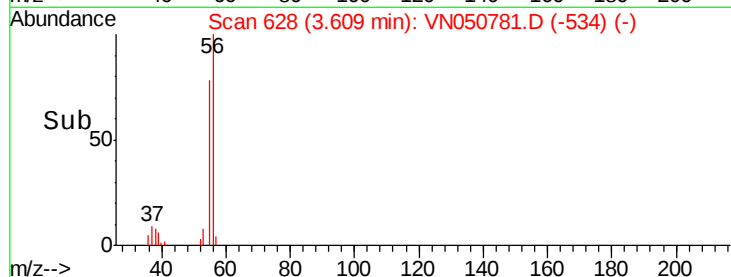
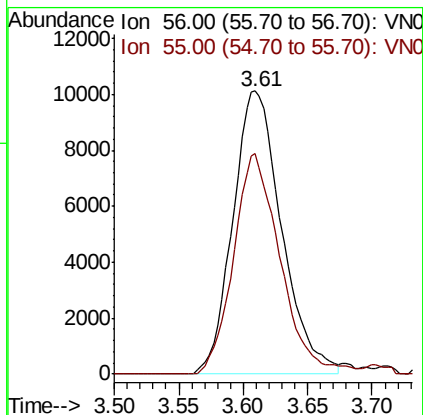
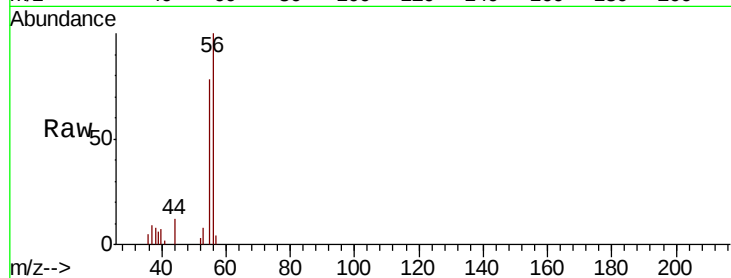
55 74.7 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 19.56 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

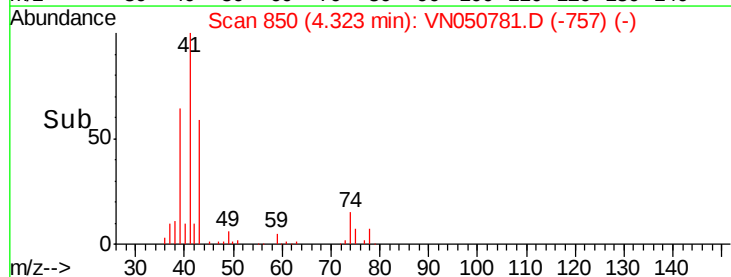
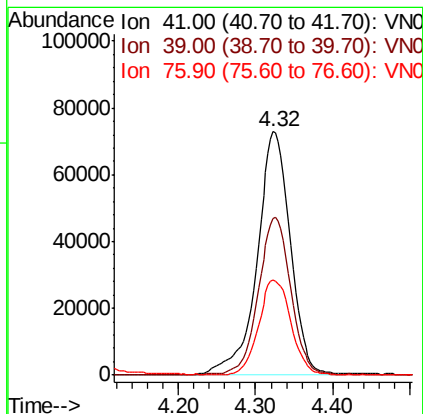
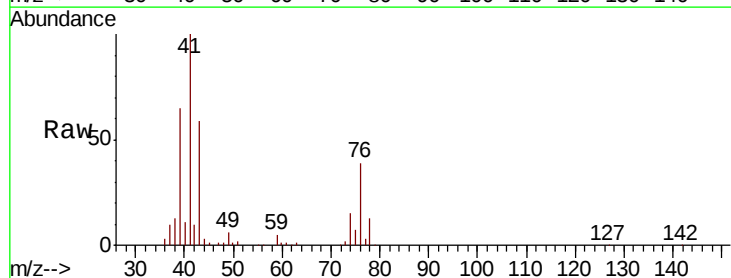
Tgt Ion: 41 Resp: 218354

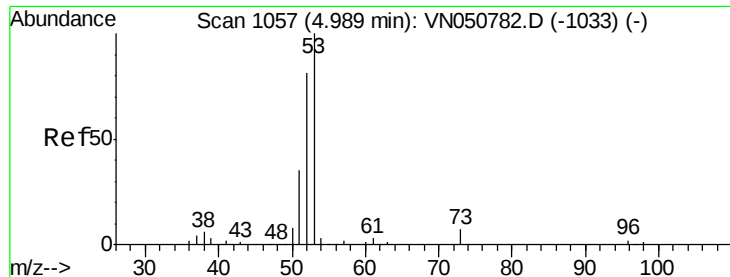
Ion Ratio Lower Upper

41 100

39 61.9 50.2 75.2

76 37.1 29.8 44.8





#15

Acrylonitrile

Concen: 99.16 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.01 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

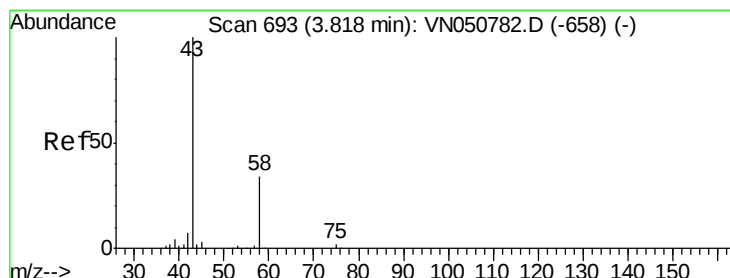
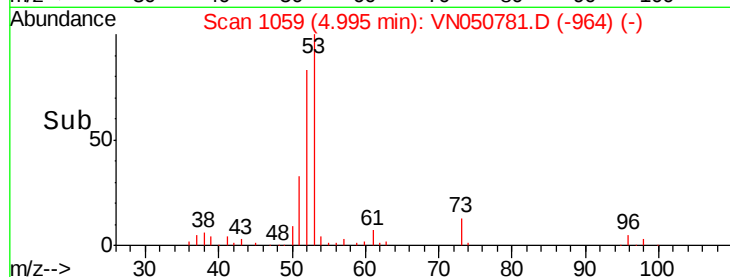
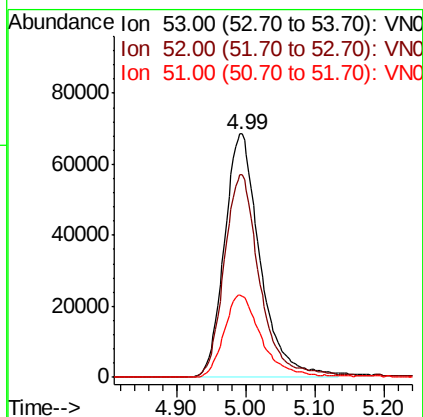
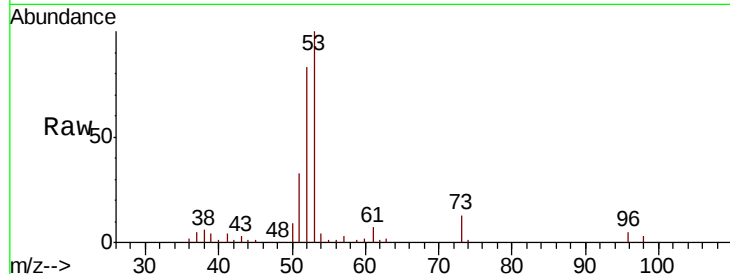
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	246418
Ion	Ratio	Lower	Upper
53	100		
52	83.4	65.9	98.9
51	35.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 90.57 ug/l

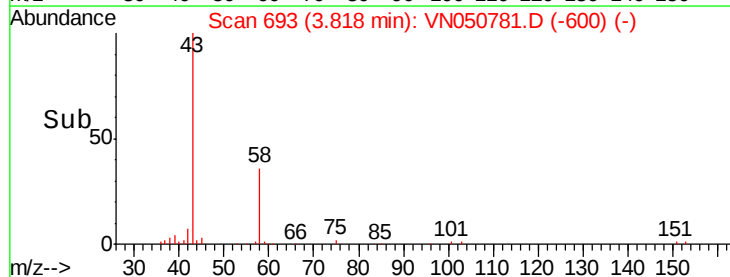
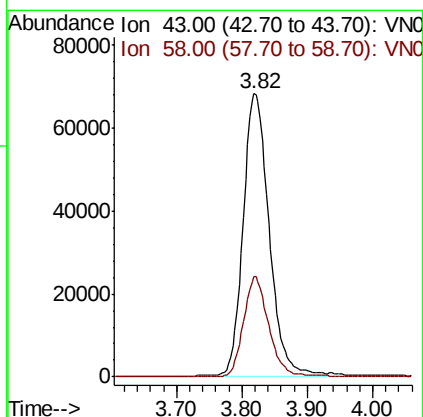
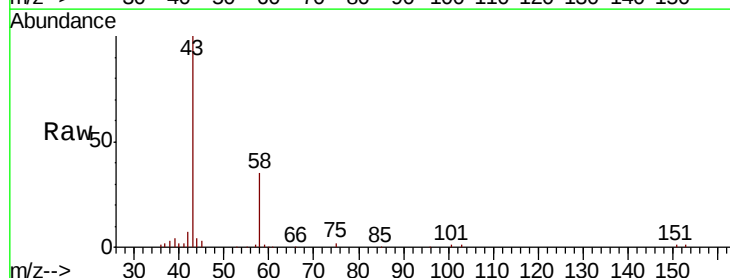
RT: 3.82 min Scan# 693

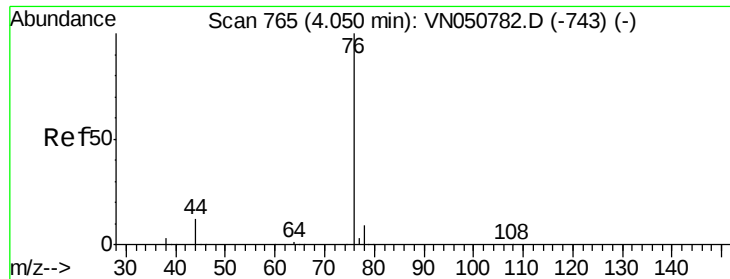
Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion:	43	Resp:	191772
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.2	40.8





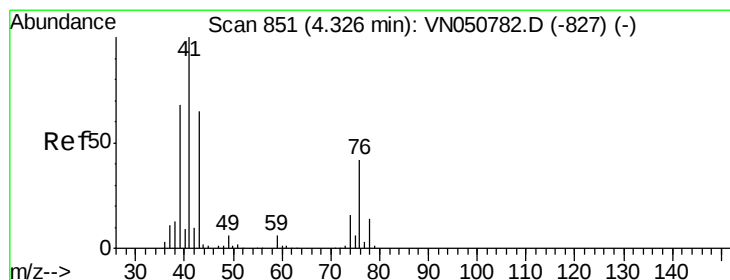
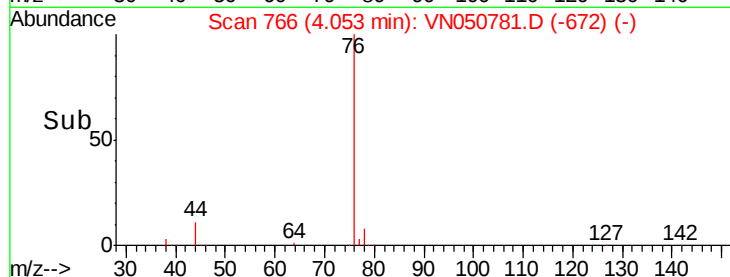
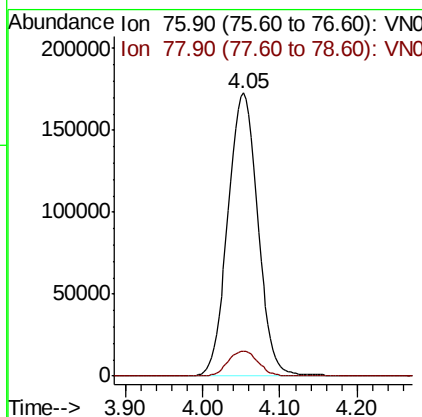
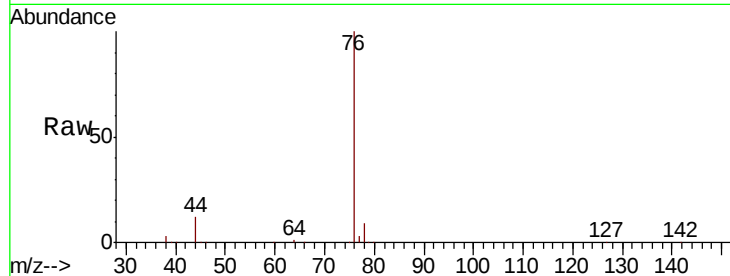
#17
Carbon Disulfide
Concen: 19.35 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

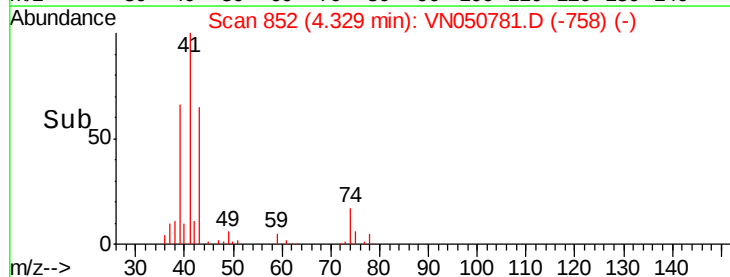
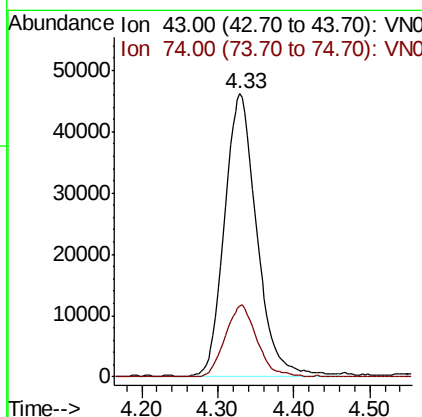
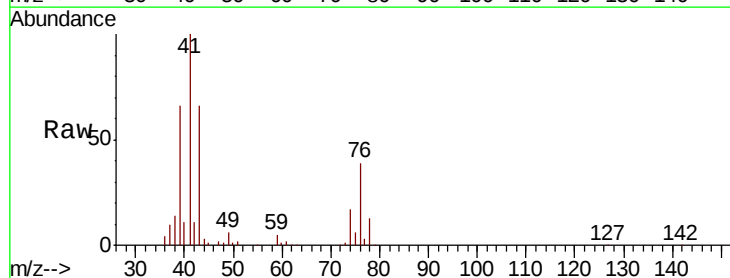
Manual Integrations
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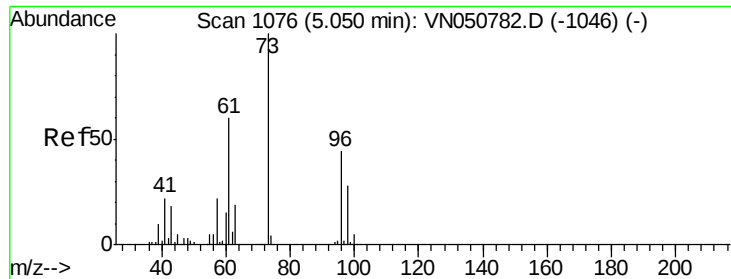
MMDadoda
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#18
Methyl Acetate
Concen: 18.79 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





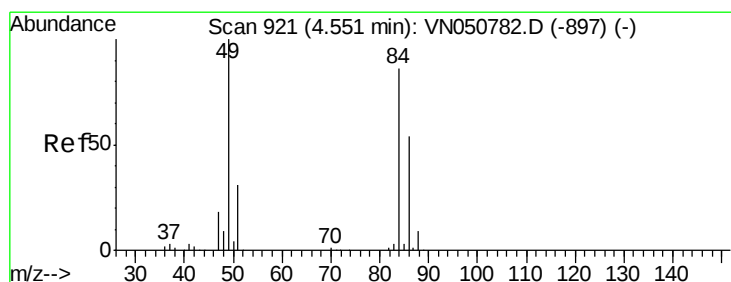
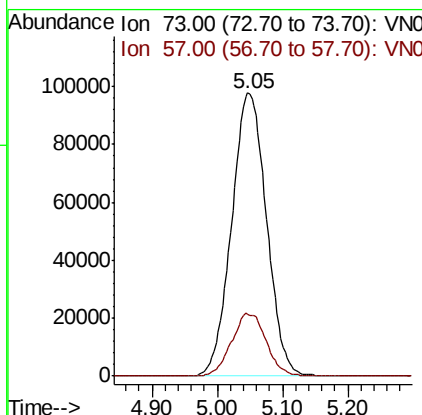
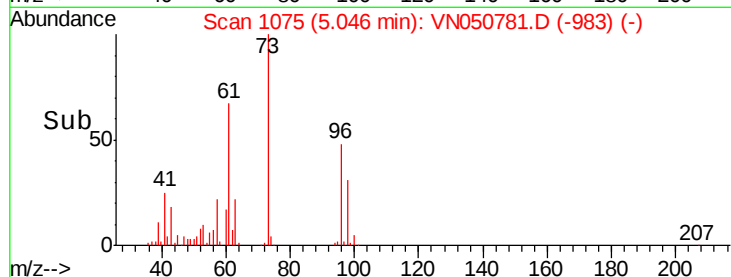
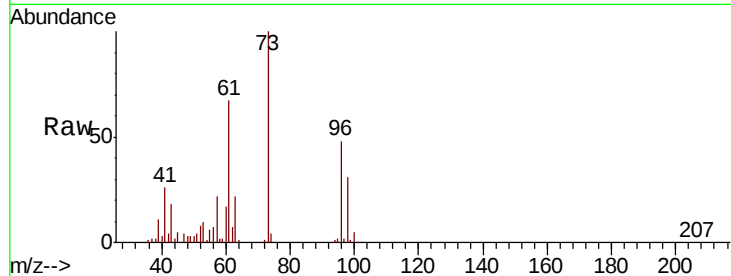
#19
Methvl tert-butvl Ether
Concen: 20.11 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 73 Resp: 362427
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

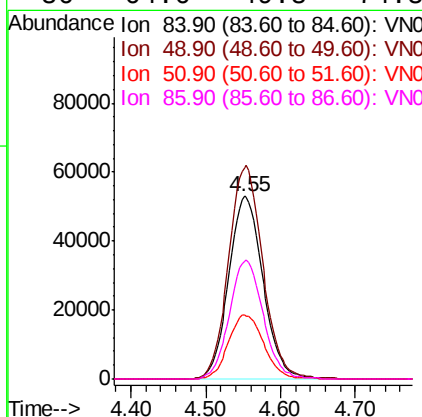
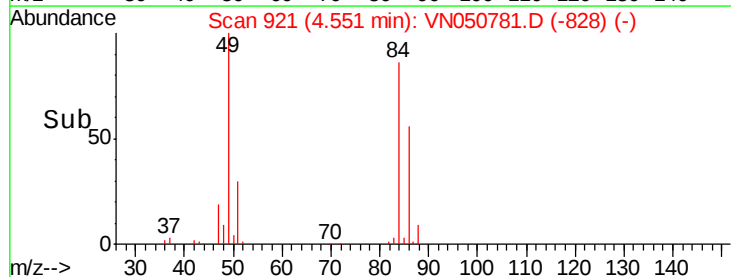
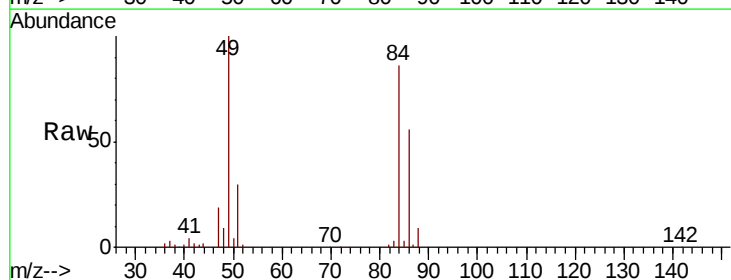
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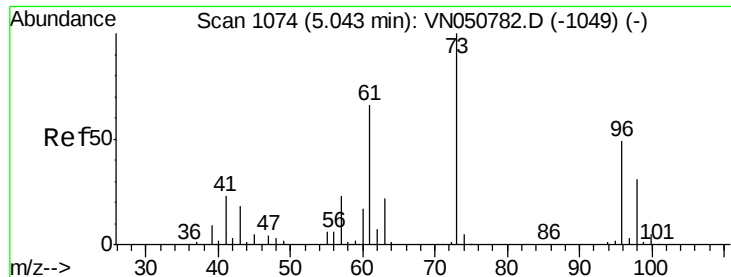
MMDadoda
8/22/2018 11:18:47 AM



#20
Methylene Chloride
Concen: 19.52 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion: 84 Resp: 168897
Ion Ratio Lower Upper
84 100
49 115.6 93.2 139.8
51 35.2 29.0 43.6
86 64.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.96 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 96 Resp: 154063

Ion Ratio Lower Upper

96 100

61 136.5 107.4 161.0

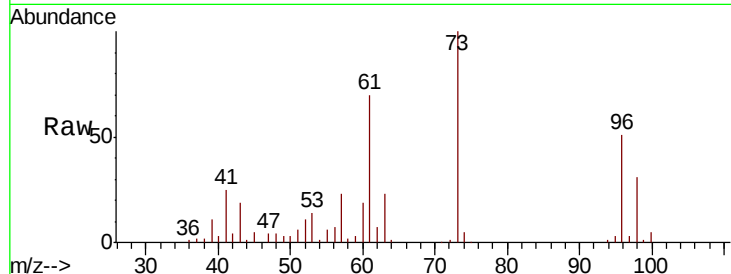
98 61.0 50.7 76.1

Manual Integrations

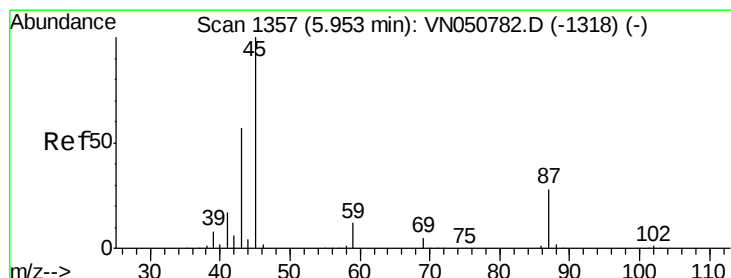
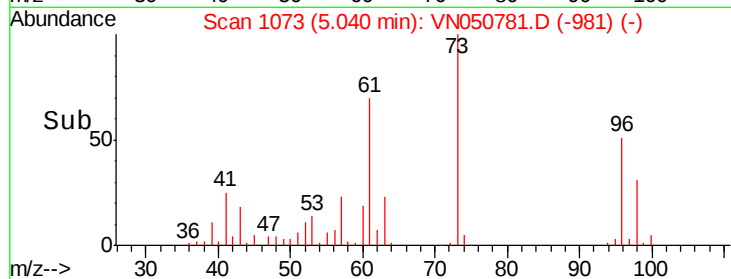
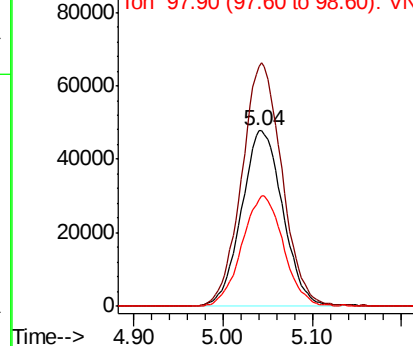
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 20.98 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion: 45 Resp: 466714

Ion Ratio Lower Upper

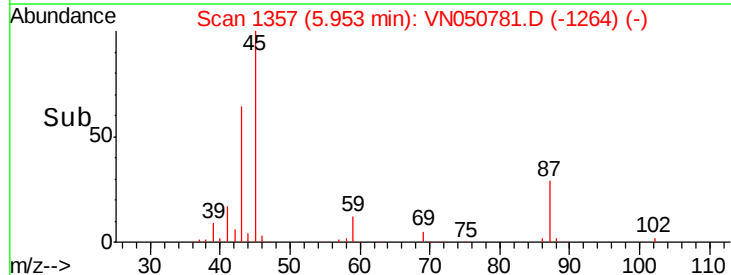
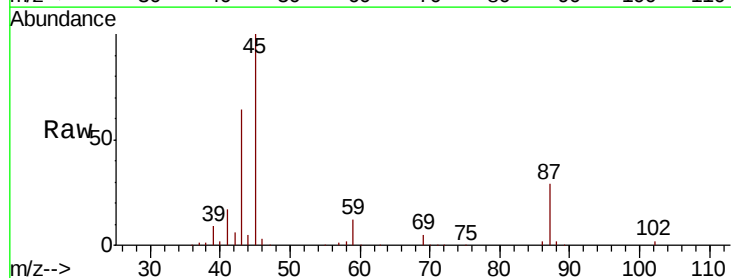
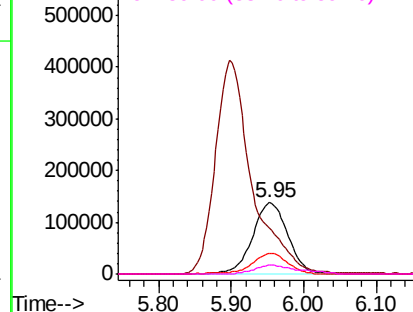
45 100

43 61.9 45.9 68.9

87 28.4 22.7 34.1

59 12.1 9.3 13.9

Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 101.59 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 145526

Ion Ratio Lower Upper

43 100

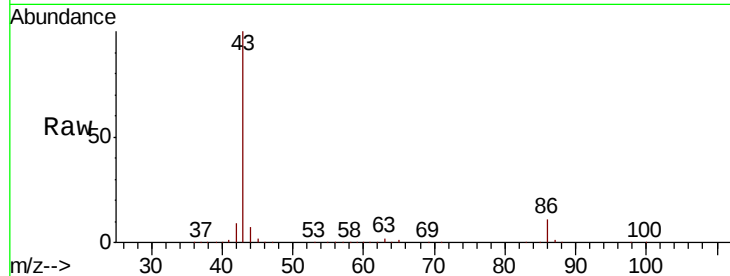
86 10.8 8.7 13.1

Manual Integrations

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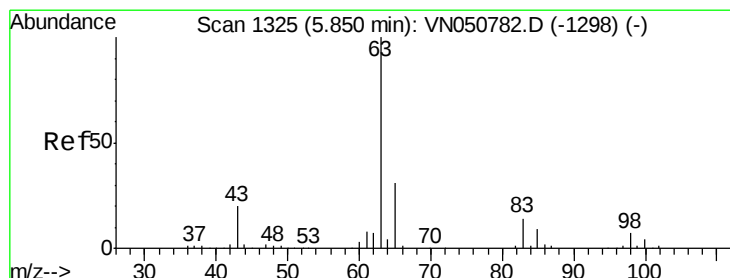
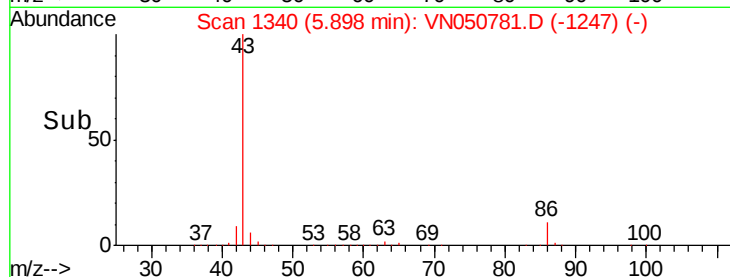
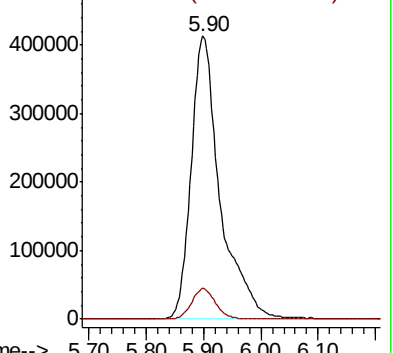
MMDadoda

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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: 20.11 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

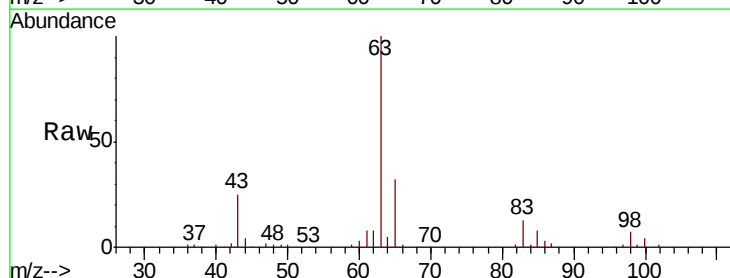
Tgt Ion: 63 Resp: 287297

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

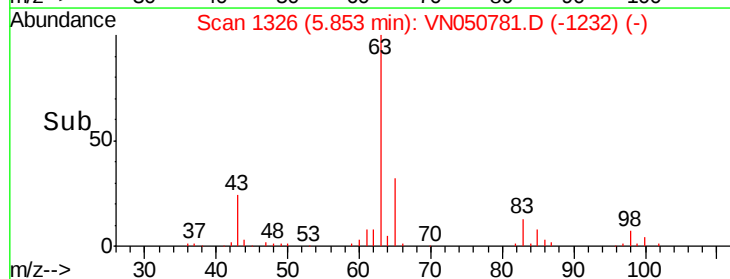
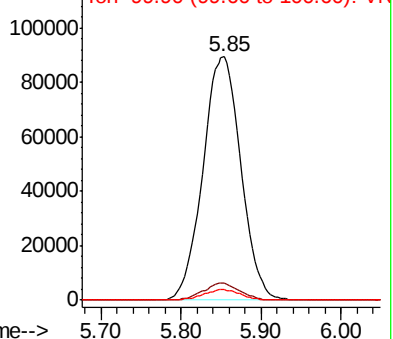
100 4.1 2.1 6.5

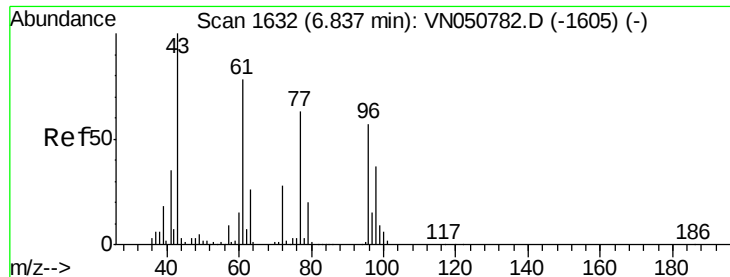


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 90.65 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 280526

Ion Ratio Lower Upper

43 100

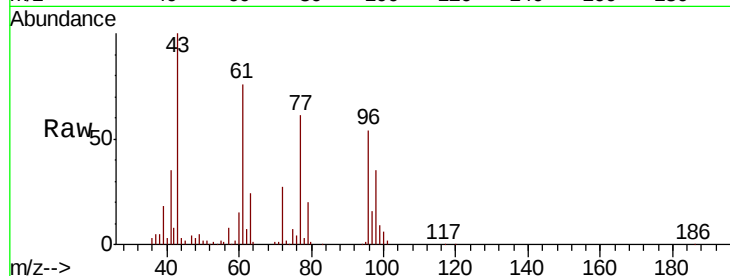
72 27.1 22.3 33.5

Manual Integrations

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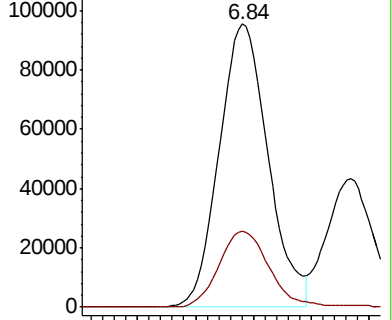
MMDadoda

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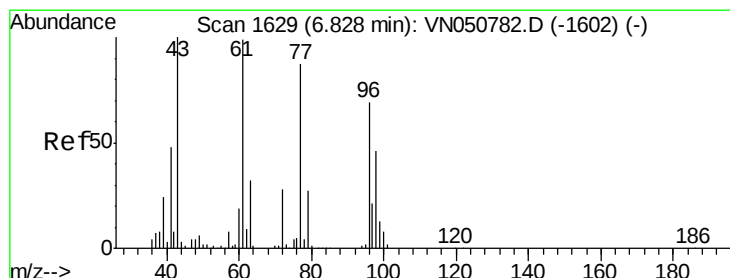
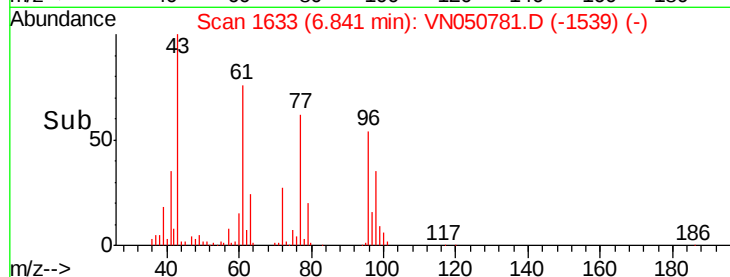


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#26

2,2-Dichloropropane

Concen: 20.00 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050781.D

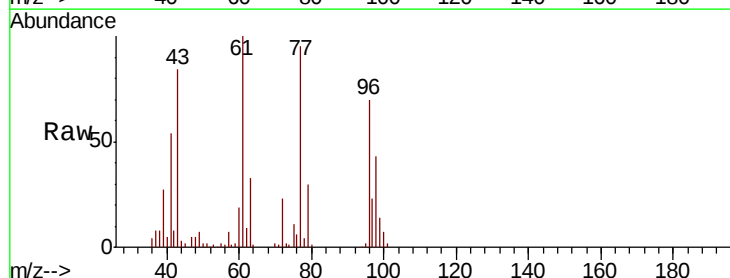
Acq: 21 Aug 2018 10:45

Tgt Ion: 77 Resp: 229573

Ion Ratio Lower Upper

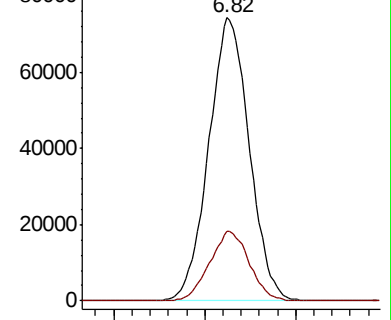
77 100

97 24.1 12.0 36.0

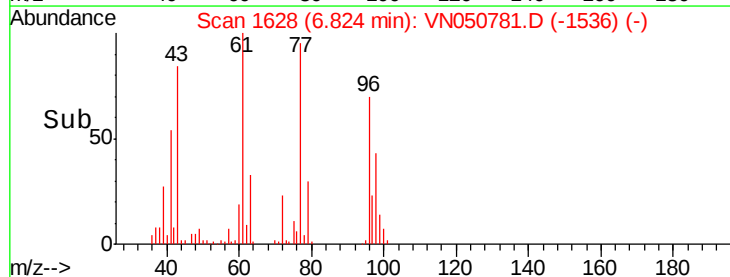


Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.24 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

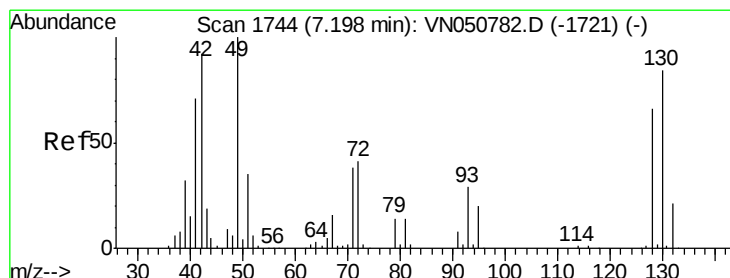
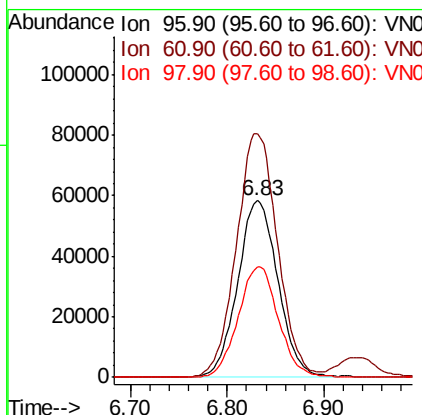
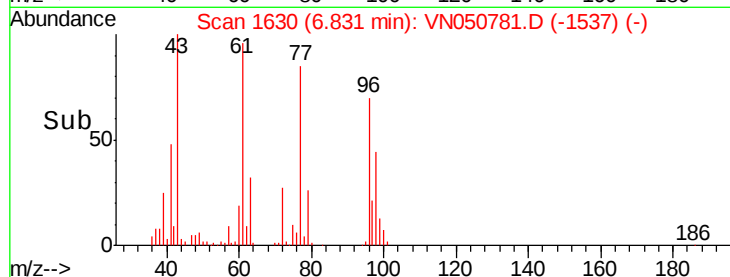
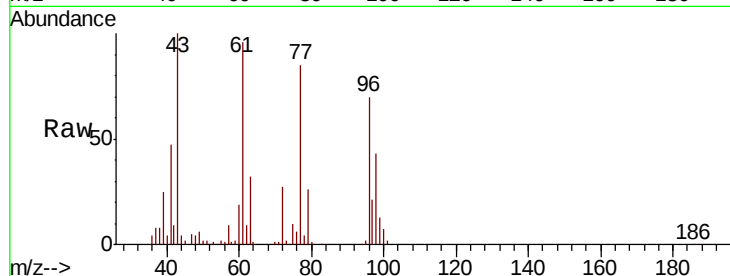
ClientSampleID :

VSTDIC020

Tot Ion:	96	Resp:	169077
Ion	Ratio	Lower	Upper
96	100		
61	141.0	0.0	283.4
98	62.5	0.0	129.8

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#28

Bromochloromethane

Concen: 19.88 ug/l

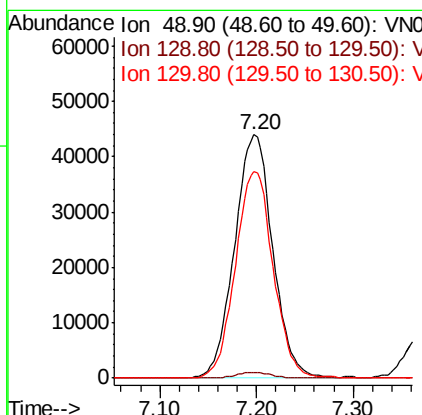
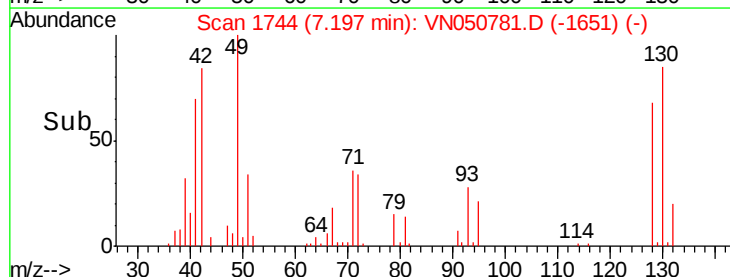
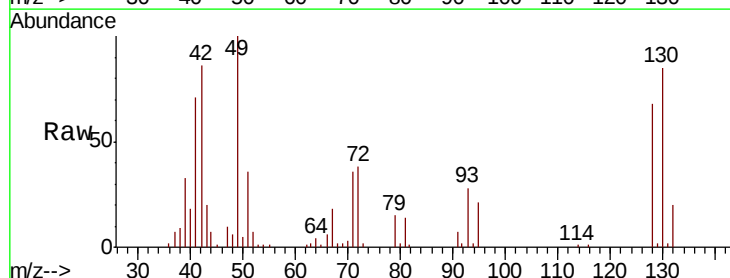
RT: 7.20 min Scan# 1744

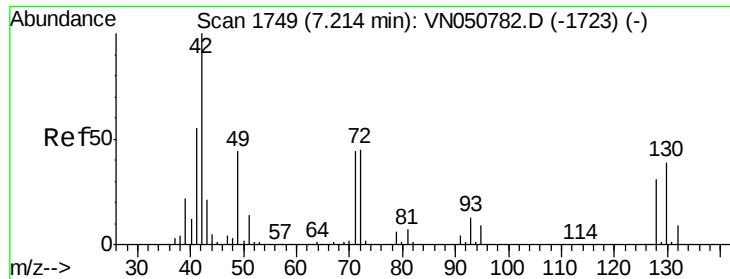
Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion:	49	Resp:	120657
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	84.1	67.1	100.7





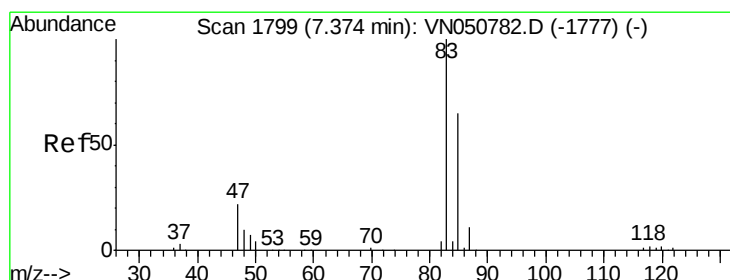
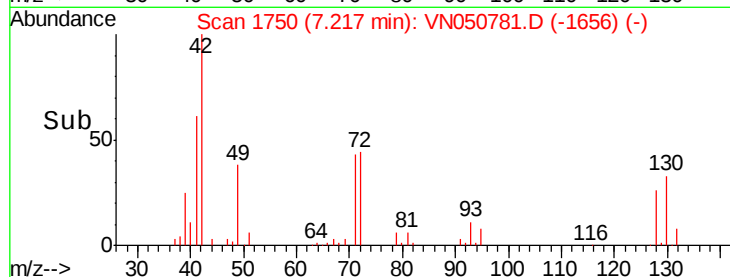
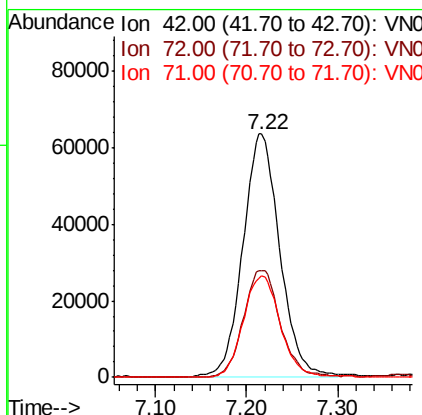
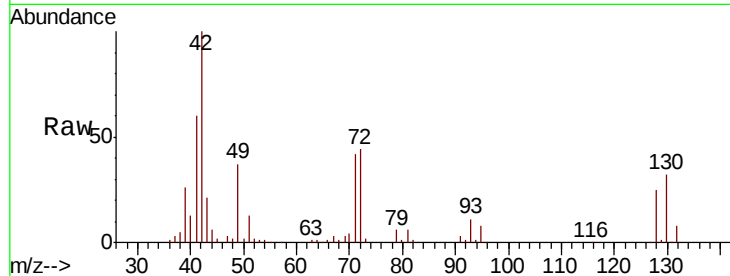
#29
Tetrahydrofuran
Concen: 100.39 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.5	53.3
71	41.9	33.7	50.5

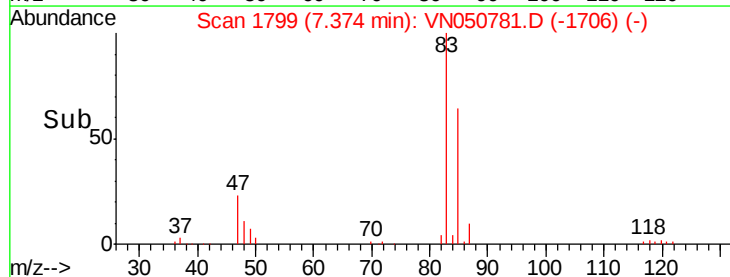
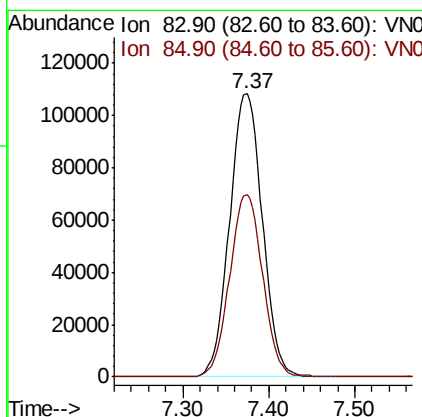
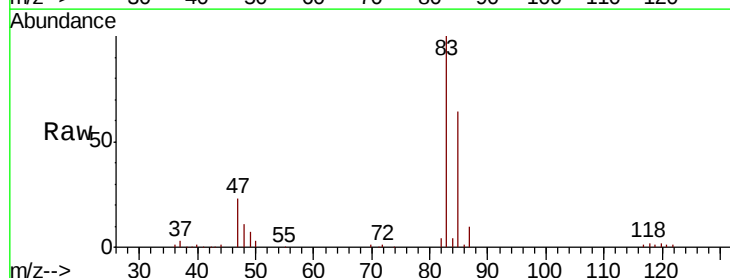
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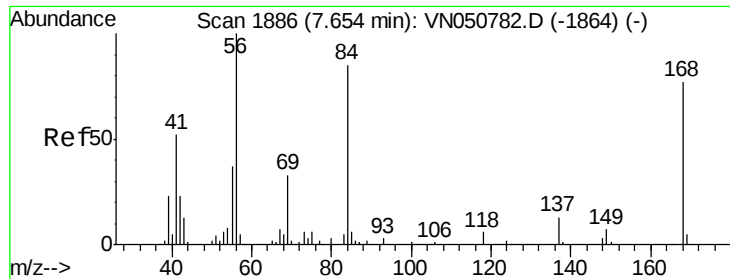
MMDadoda
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#30
Chloroform
Concen: 20.33 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





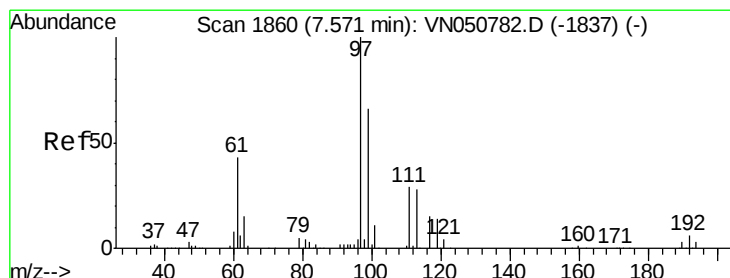
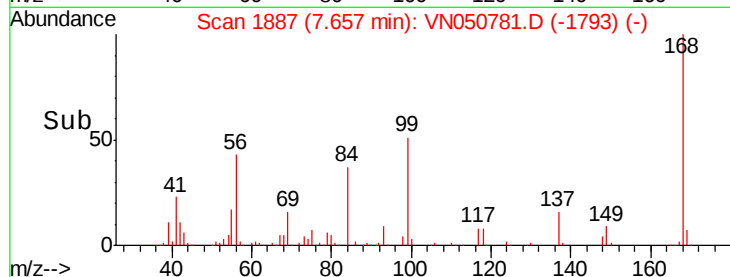
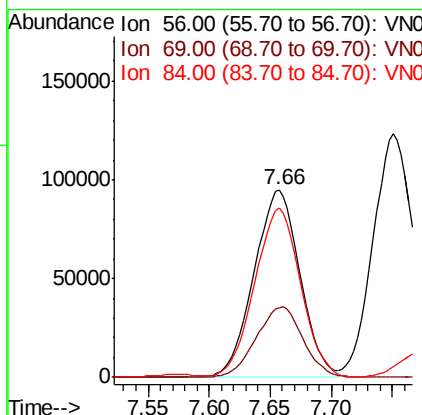
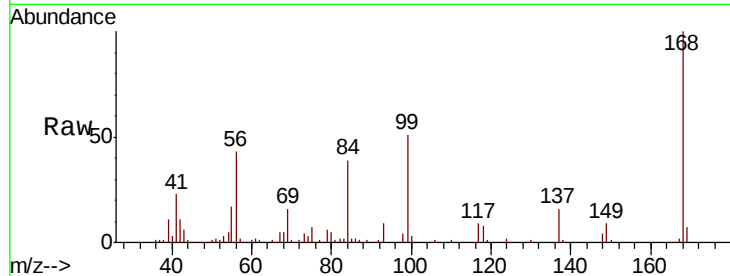
#31
Cyclohexane
Concen: 17.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	26.2	39.4
84	88.7	68.3	102.5

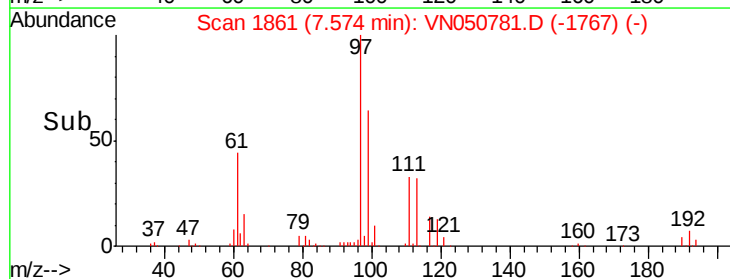
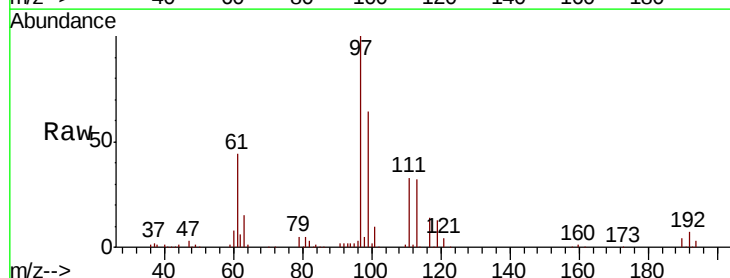
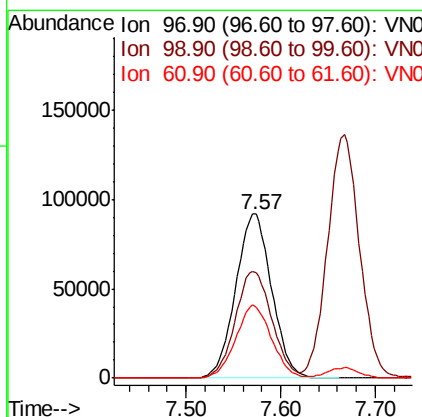
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#32
1,1,1-Trichloroethane
Concen: 19.93 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.8	77.6
61	44.3	34.9	52.3





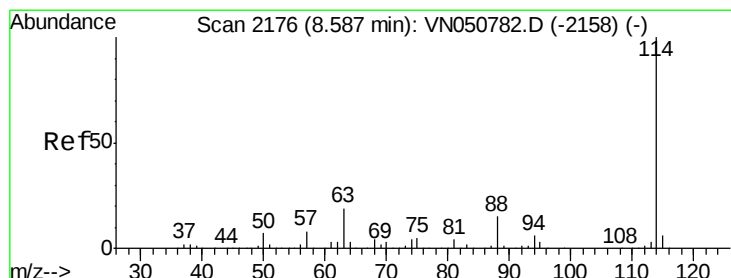
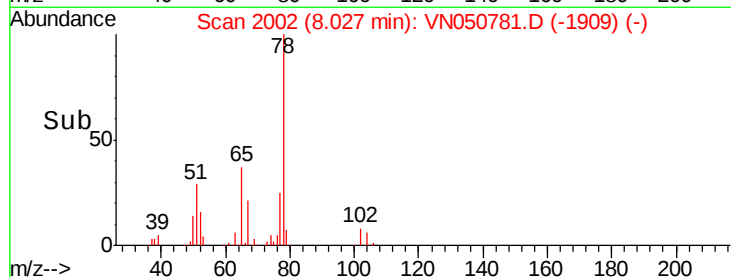
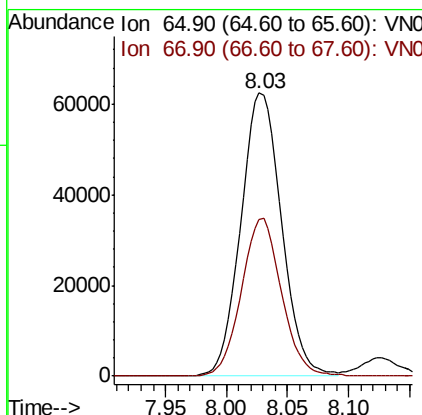
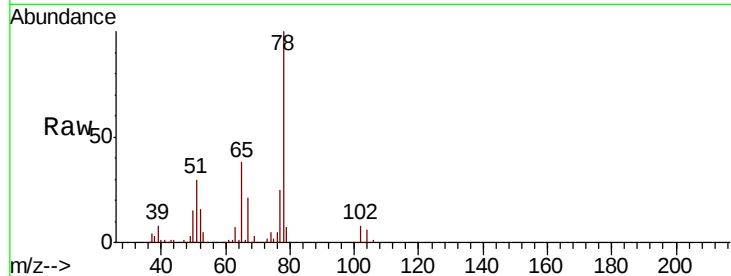
#33
 1,2-Dichloroethane-d4
 Concen: 18.78 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	144185		
67	54.8	0.0	110.4	

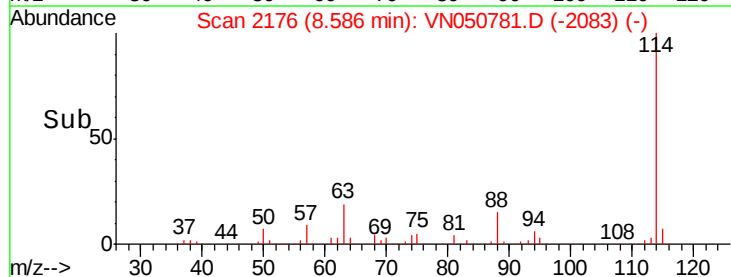
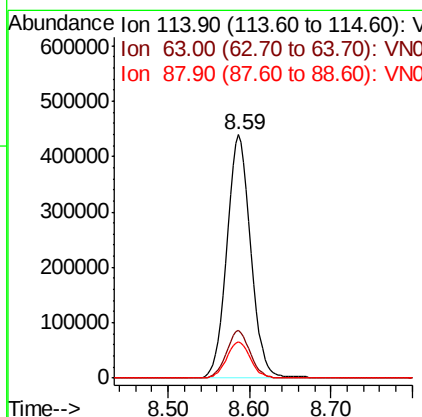
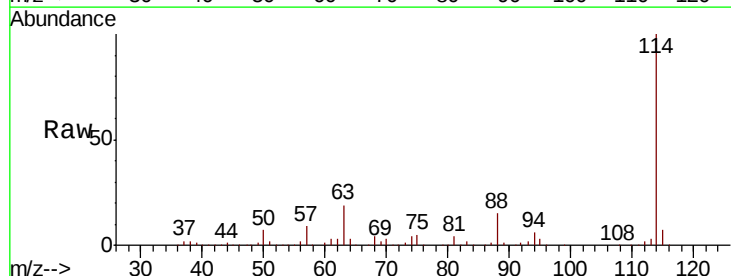
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	905664		
63	19.4	0.0	38.6	
88	15.0	0.0	30.6	





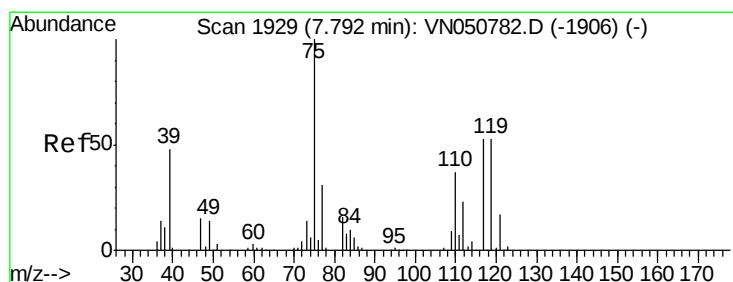
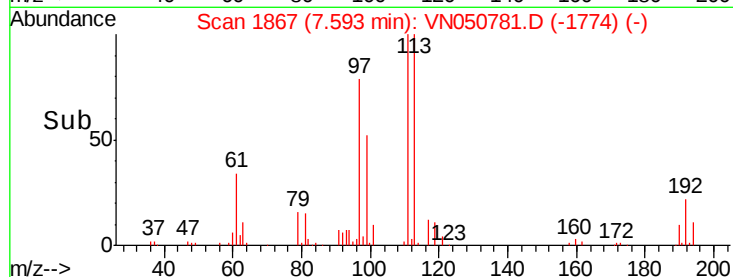
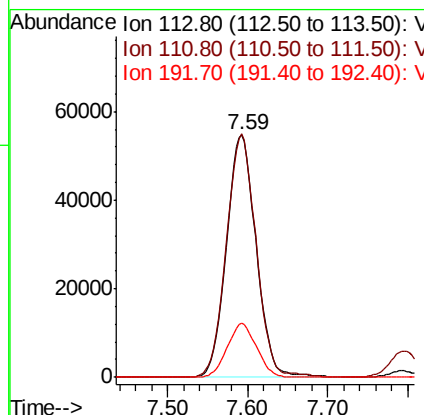
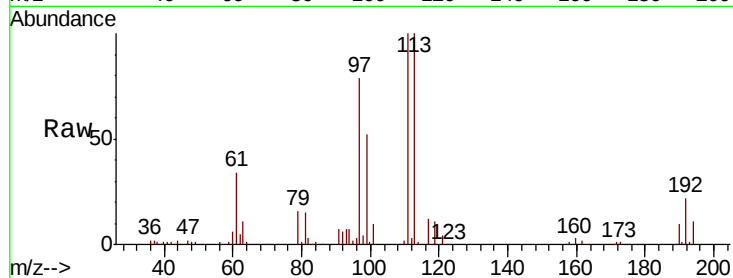
#35
 Dibromofluoromethane
 Concen: 19.24 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138592		
111	99.9	82.6	123.8	
192	21.9	18.0	27.0	

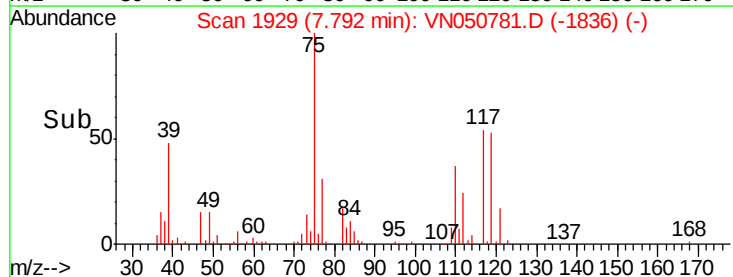
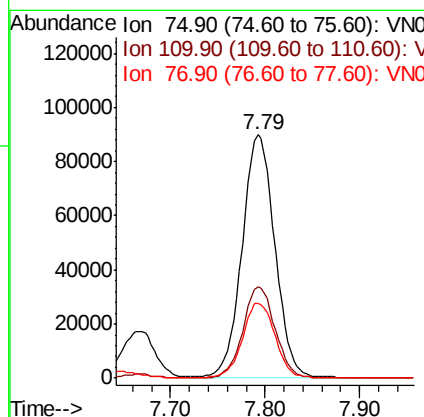
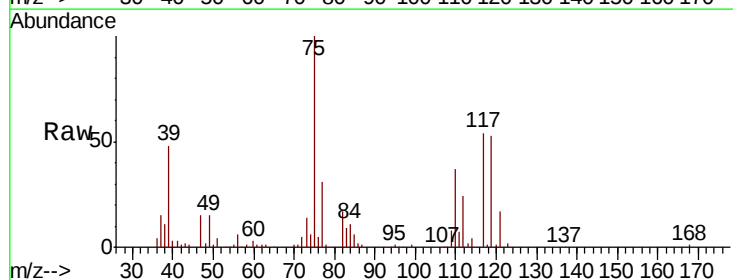
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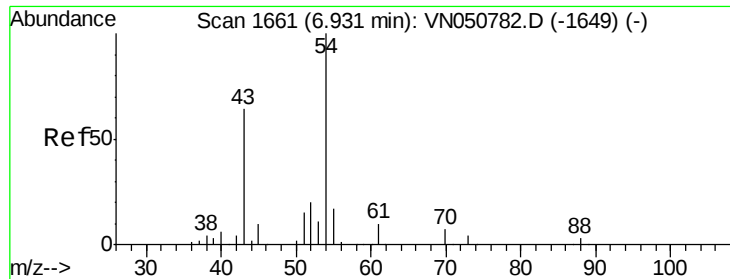
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#36
 1,1-Dichloropropene
 Concen: 20.15 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	215350		
110	36.9	18.1	54.4	
77	31.1	24.8	37.2	





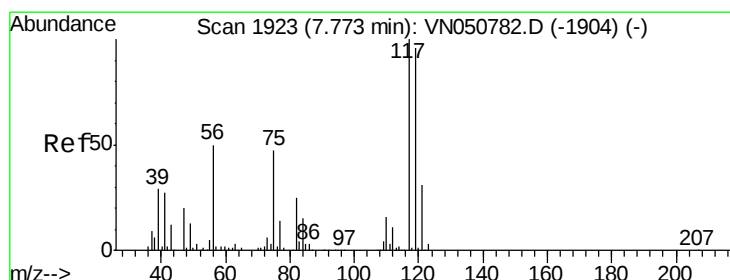
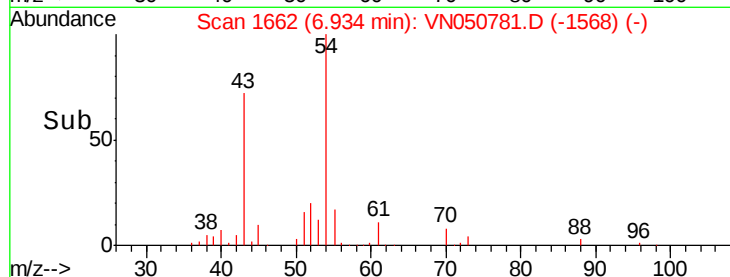
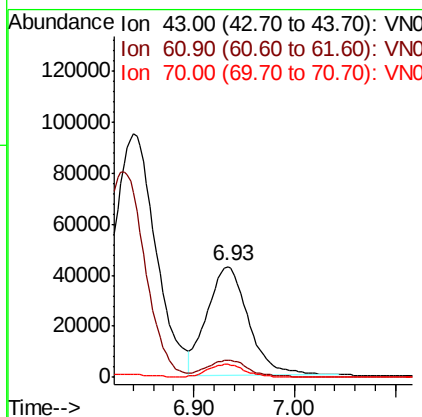
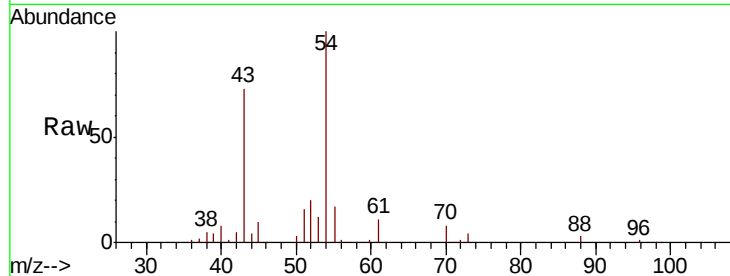
#37
Ethyl Acetate
Concen: 21.02 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	10.9	8.6	13.0

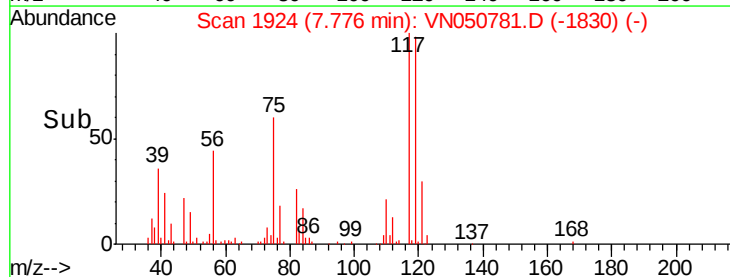
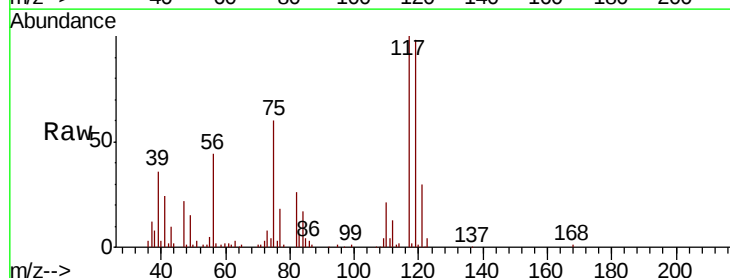
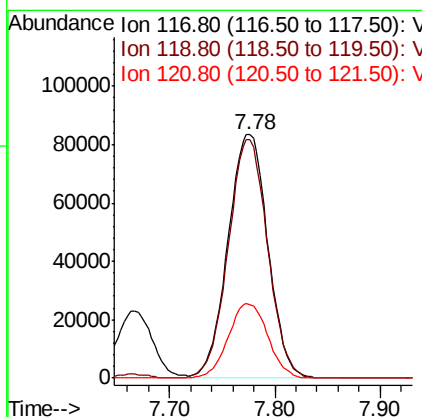
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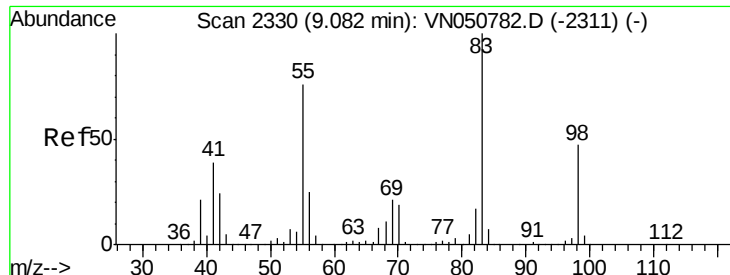
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#38
Carbon Tetrachloride
Concen: 20.29 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5
121	30.3	24.6	36.8





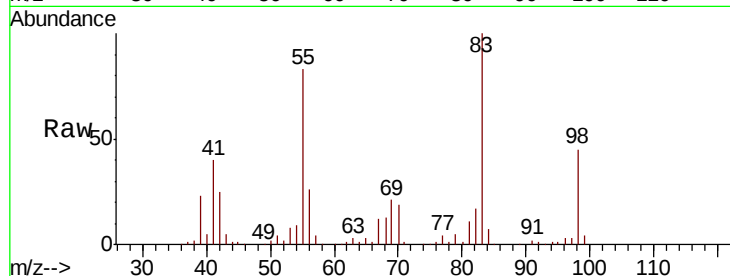
#39
Methvlcvclohexane
Concen: 19.42 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.5	61.0	91.4	
98	45.2	37.5	56.3	

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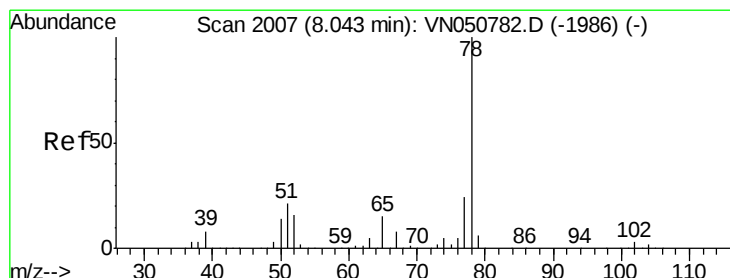
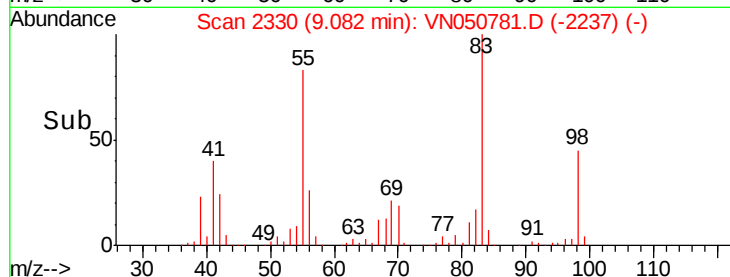
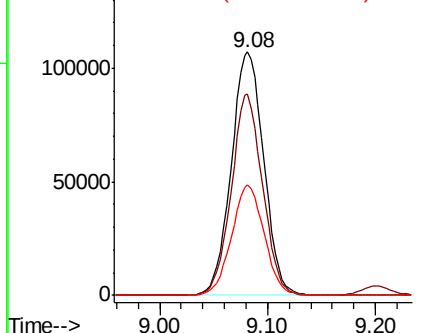


Abundance

Ion 83.00 (82.70 to 83.70): VN0

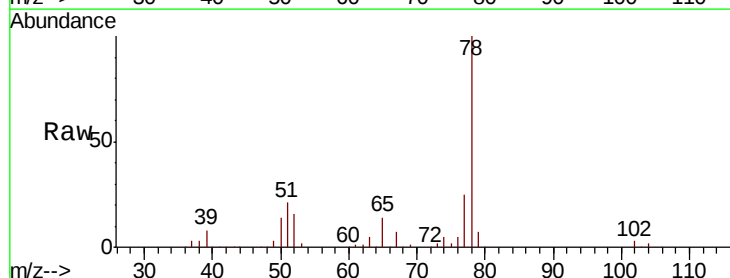
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.40 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

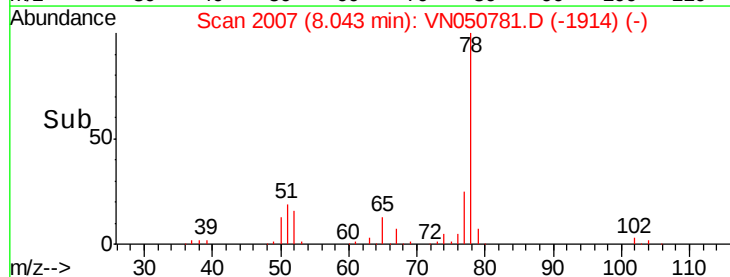
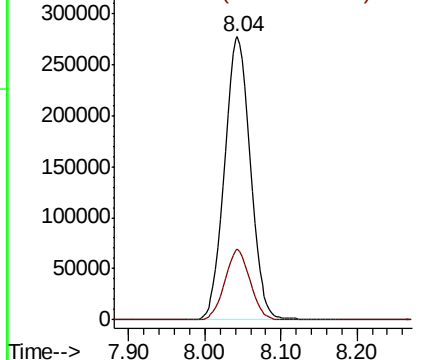
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.1	19.0	28.4	



Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





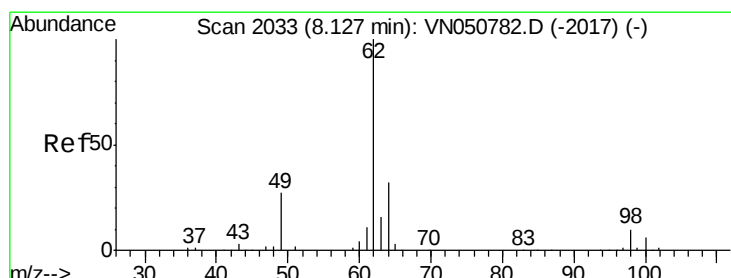
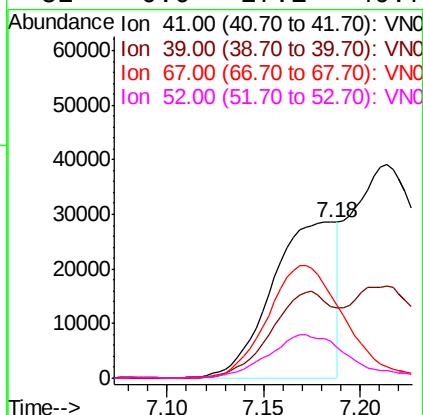
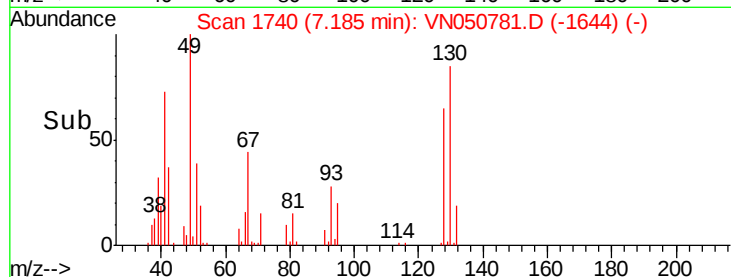
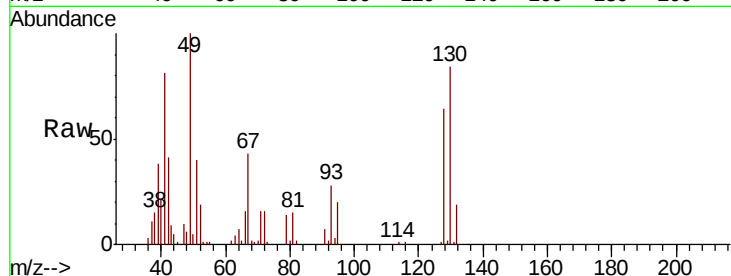
#41
Methacrylonitrile
Concen: 21.48 ug/l m
RT: 7.18 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.4	68.0#
67	0.0	70.6	106.0#
52	0.0	27.1	40.7#

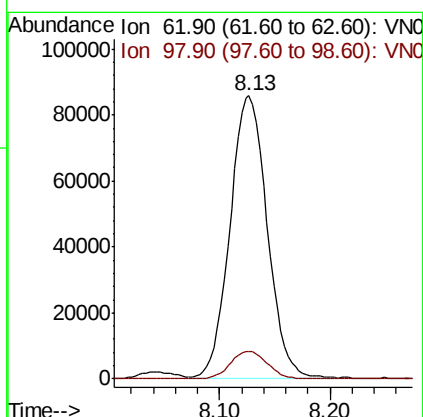
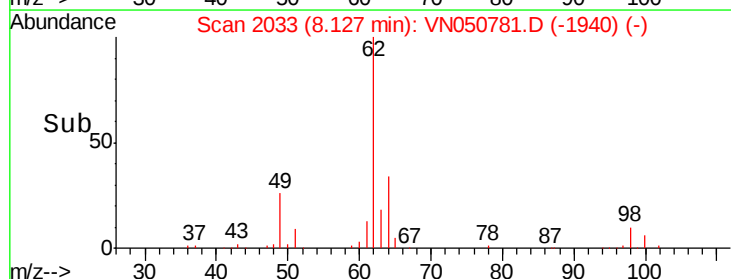
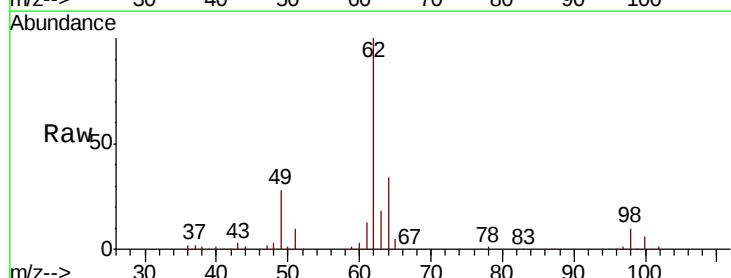
Manual Integrations
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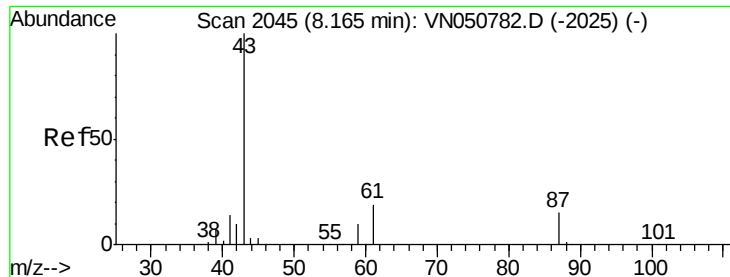
MMDadoda
8/22/2018 11:18:47 AM



#42
1,2-Dichloroethane
Concen: 20.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 19.98 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

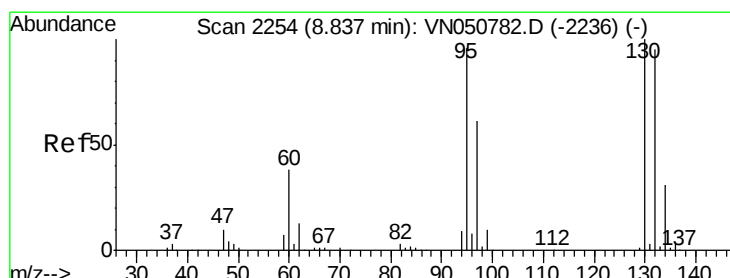
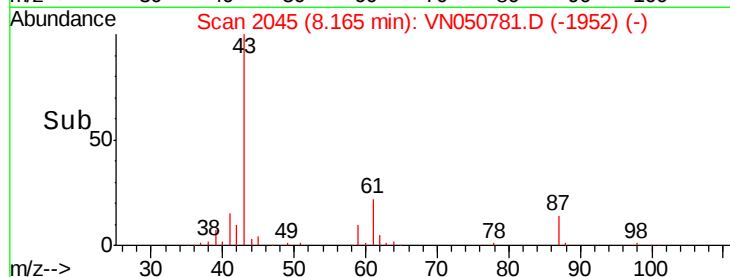
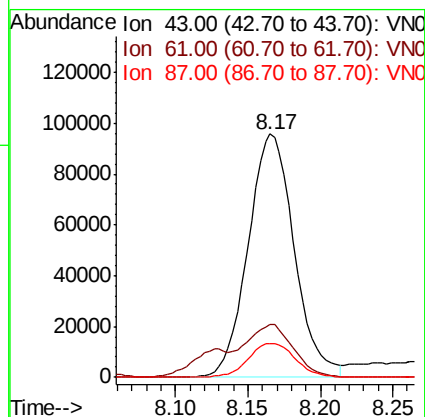
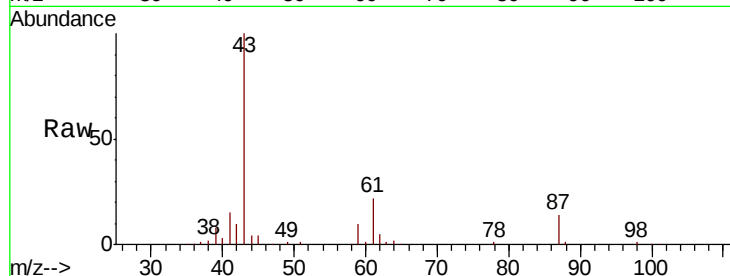
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	210861
Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.5	26.3
87	14.3	11.3	16.9

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#44

Trichloroethene

Concen: 20.10 ug/l

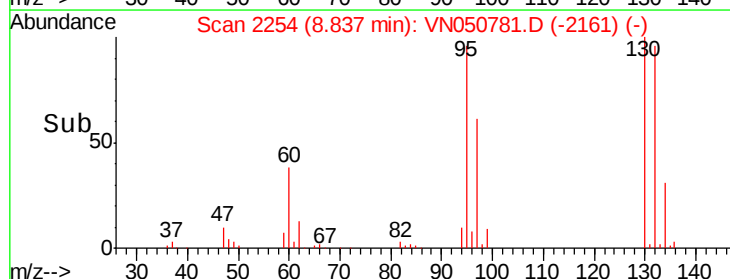
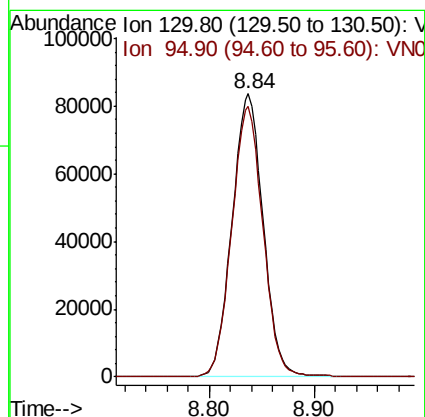
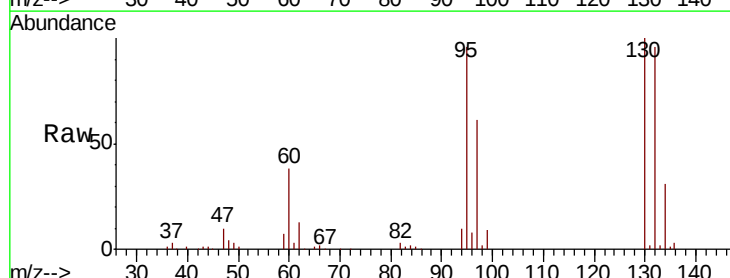
RT: 8.84 min Scan# 2254

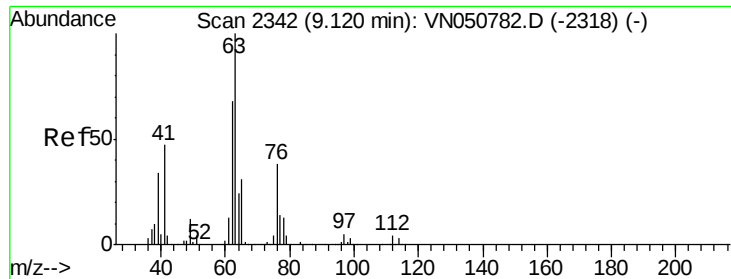
Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion:	130	Resp:	170841
Ion	Ratio	Lower	Upper
130	100		
95	95.6	0.0	193.0





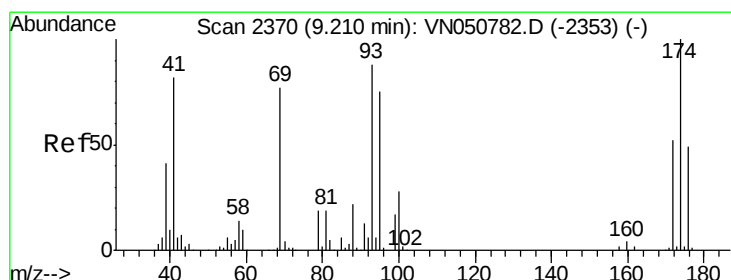
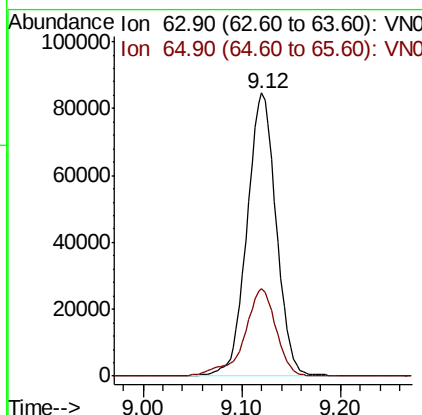
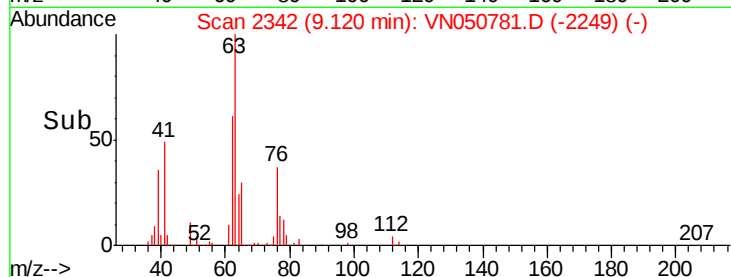
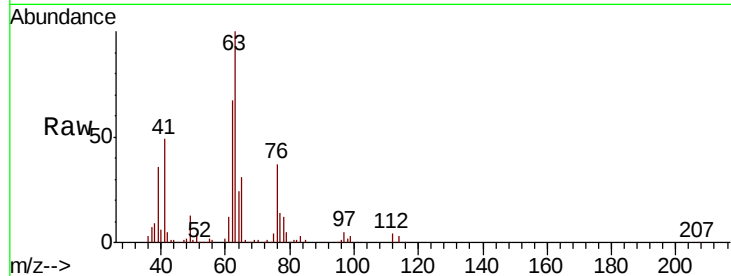
#45
 1,2-Dichloropropane
 Concen: 20.40 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	63	Resp	172757
Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.0	37.6

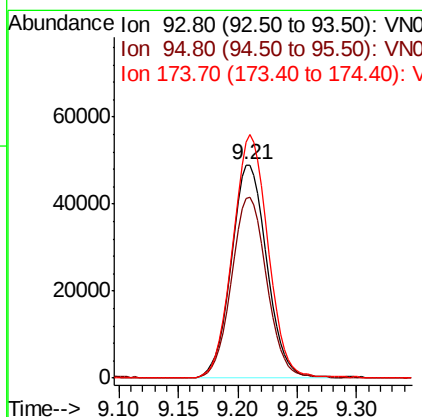
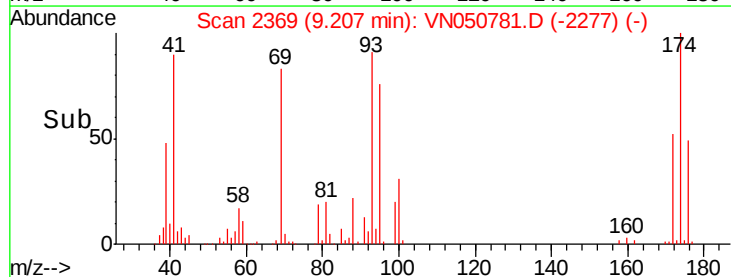
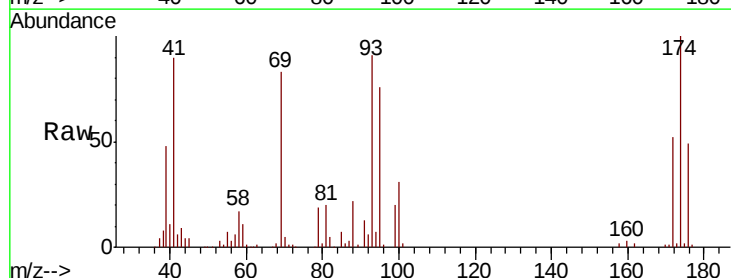
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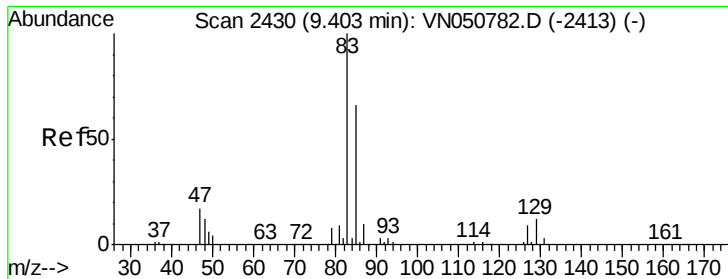
MMDadoda
 8/22/2018 11:18:47 AM



#46
 Dibromomethane
 Concen: 20.48 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	93	Resp	101944
Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.7	100.1
174	112.8	89.8	134.6





#47

Bromodichloromethane

Concen: 20.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

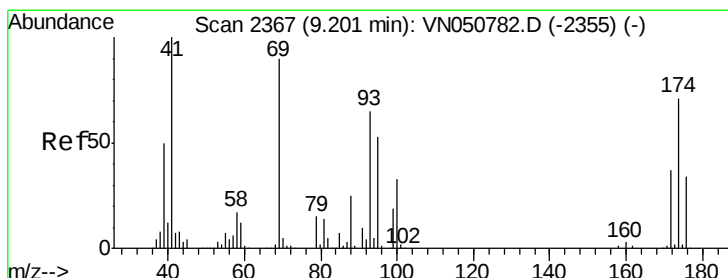
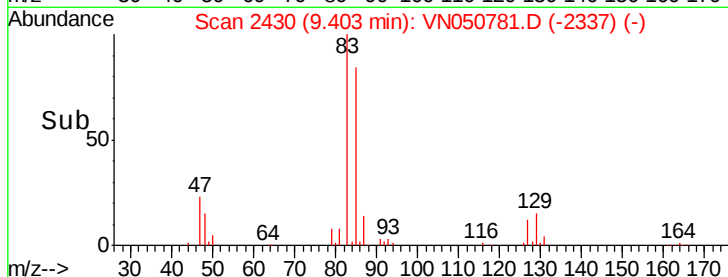
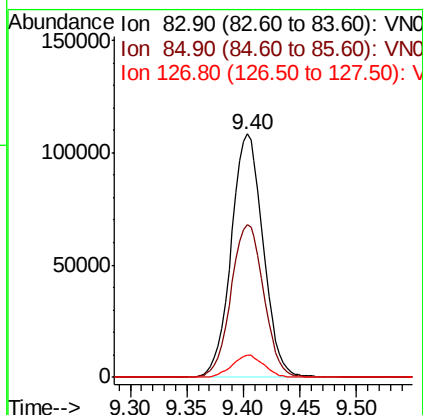
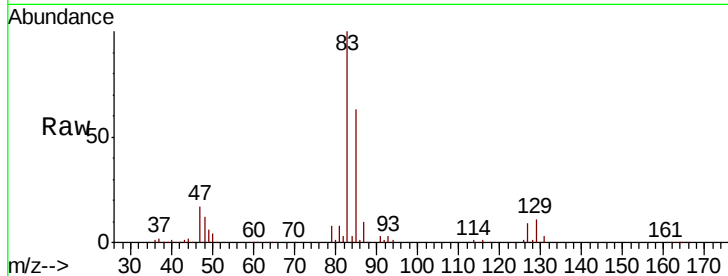
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	212964
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.6	78.8
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 20.35 ug/l

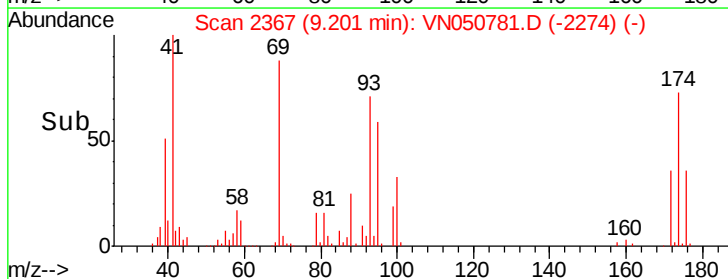
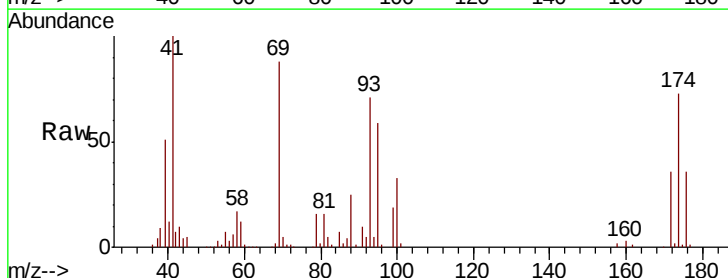
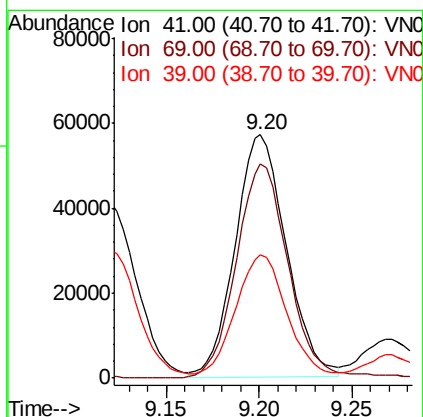
RT: 9.20 min Scan# 2367

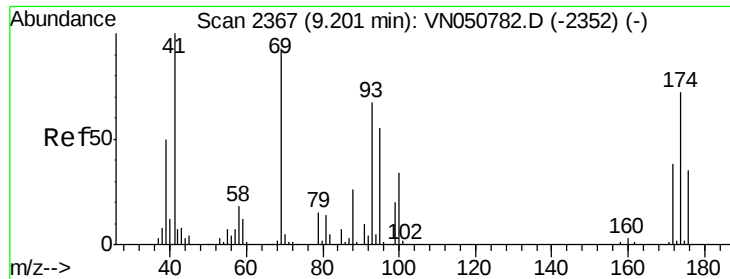
Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion:	41	Resp:	109457
Ion Ratio	Lower	Upper	
41	100		
69	90.5	74.7	112.1
39	51.6	42.2	63.2





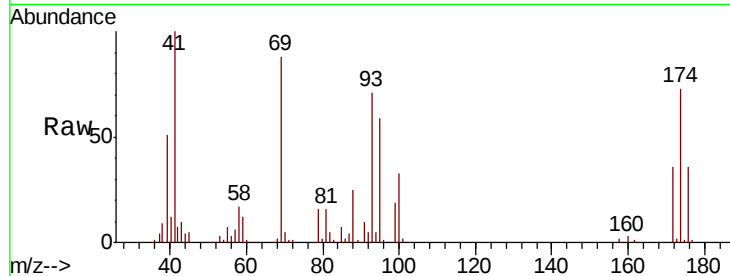
#49
 1,4-Dioxane
 Concen: 398.85 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.9	38.9
58	73.5	55.0	82.4

Manual Integrations
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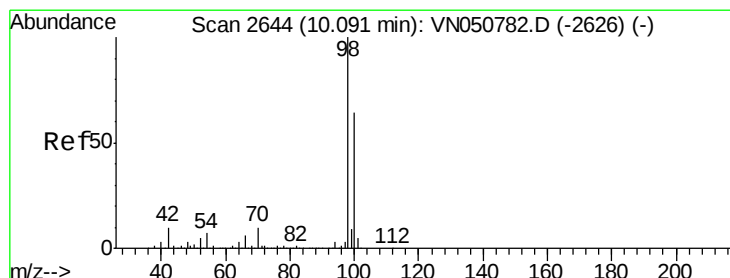
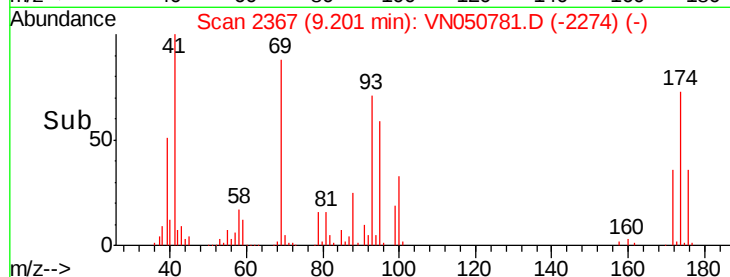
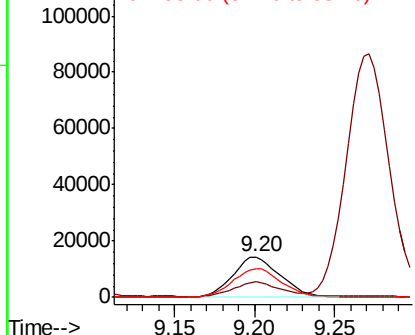


Abundance

Ion 88.00 (87.70 to 88.70): VN050781.D (-2274) (-)

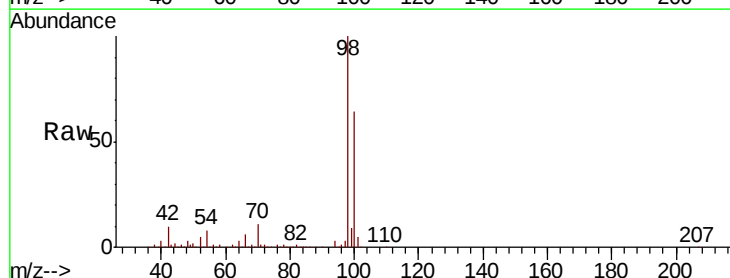
Ion 43.00 (42.70 to 43.70): VN050781.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN050781.D (-2274) (-)



#50
 Toluene-d8
 Concen: 18.73 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

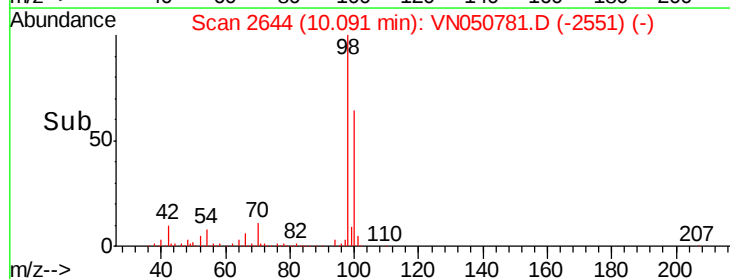
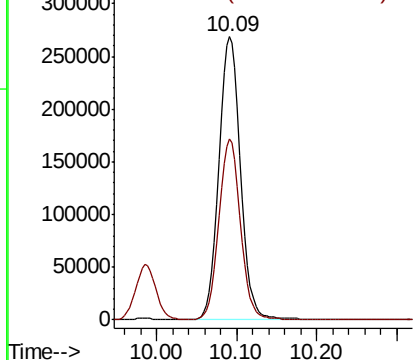
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3

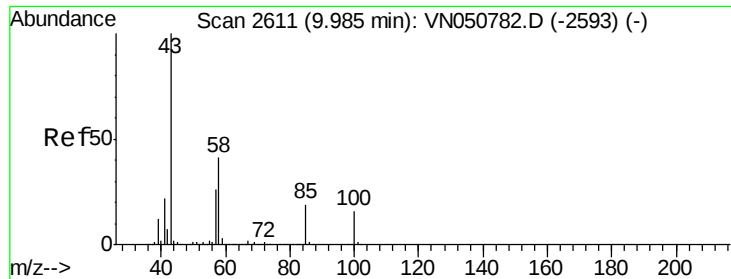


Abundance

Ion 98.00 (97.70 to 98.70): VN050781.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN050781.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 97.99 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 617206

Ion Ratio Lower Upper

43 100

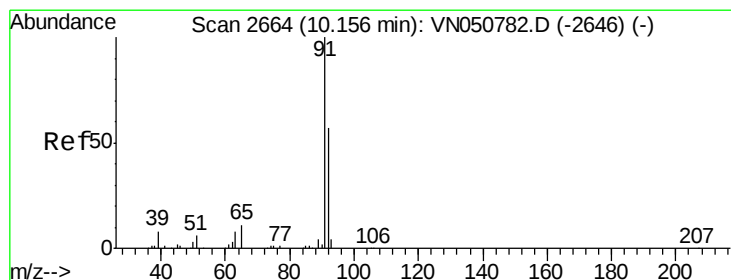
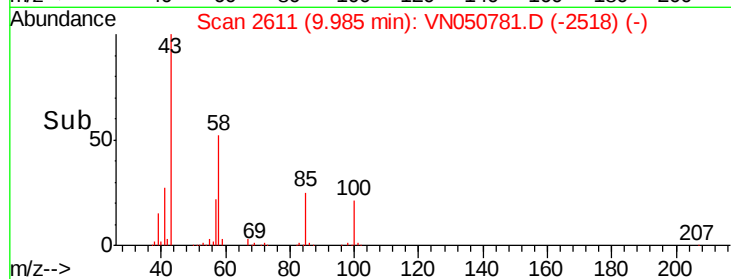
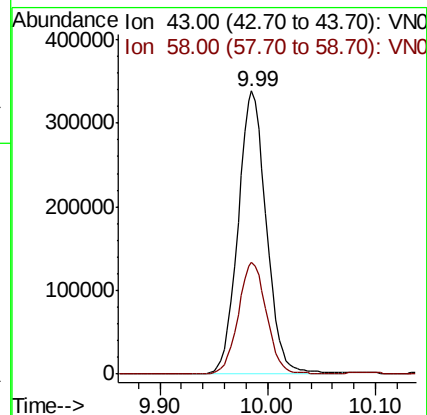
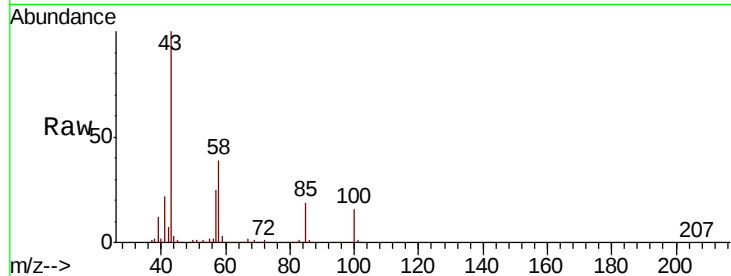
58 39.7 32.4 48.6

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#52

Toluene

Concen: 20.98 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050781.D

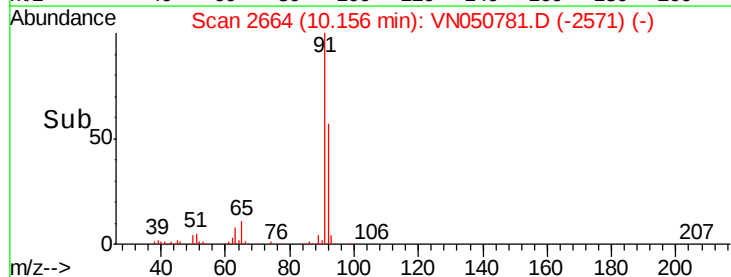
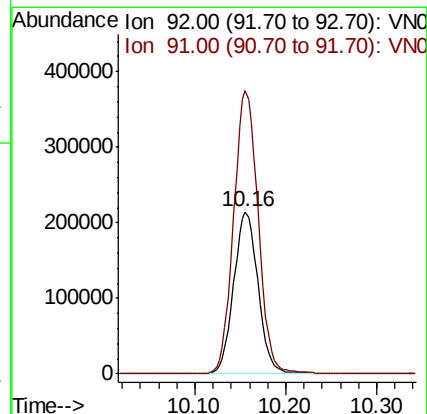
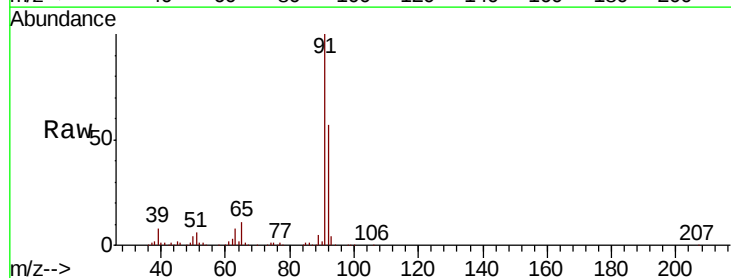
Acq: 21 Aug 2018 10:45

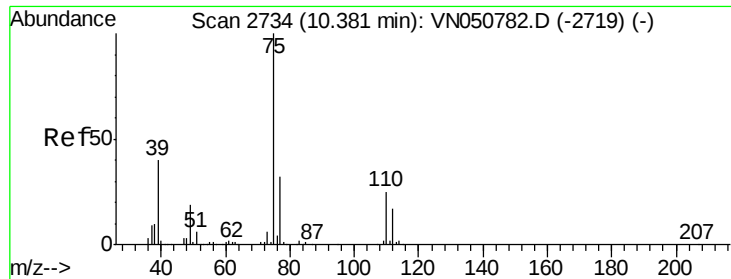
Tgt Ion: 92 Resp: 400573

Ion Ratio Lower Upper

92 100

91 176.0 140.6 211.0





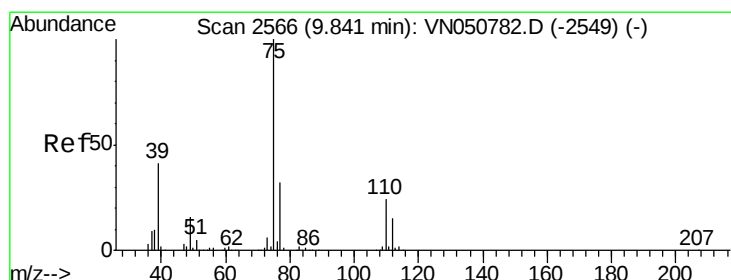
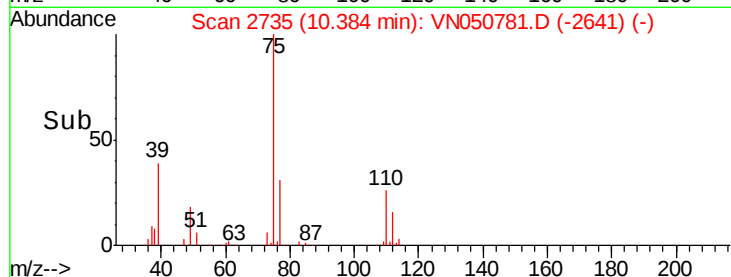
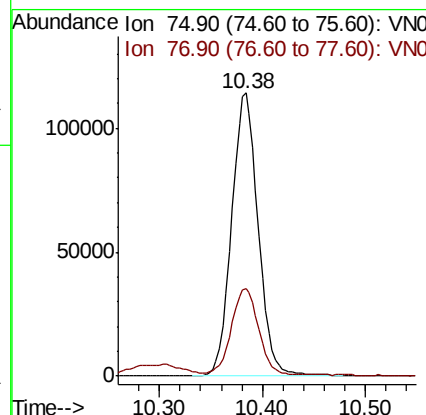
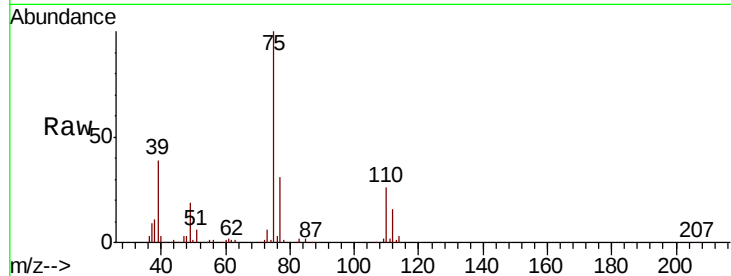
#53
t-1,3-Dichloropropene
Concen: 19.76 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.7	38.5

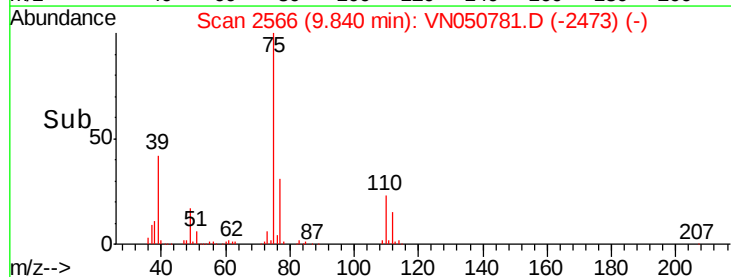
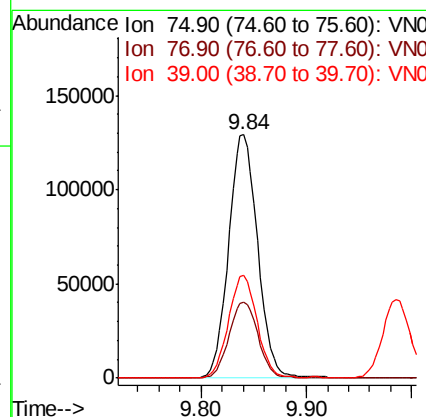
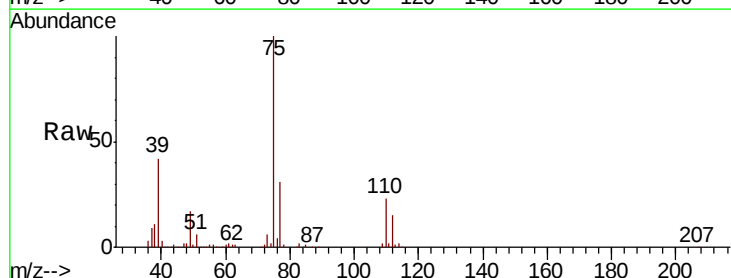
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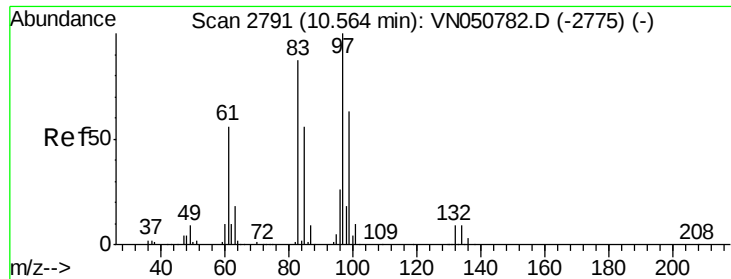
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#54
cis-1,3-Dichloropropene
Concen: 20.71 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	41.9	33.0	49.4





#55

1,1,2-Trichloroethane

Concen: 20.46 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 144980

Ion Ratio Lower Upper

97 100

83 87.8 69.7 104.5

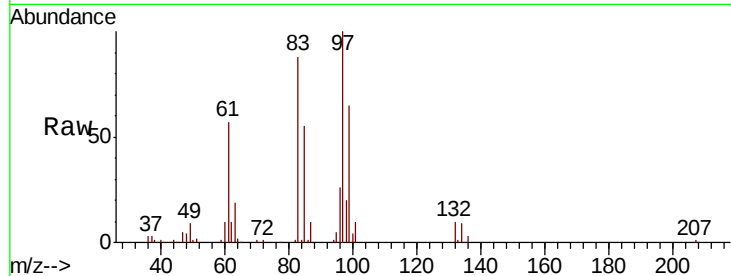
85 55.2 44.5 66.7

99 64.6 50.7 76.1

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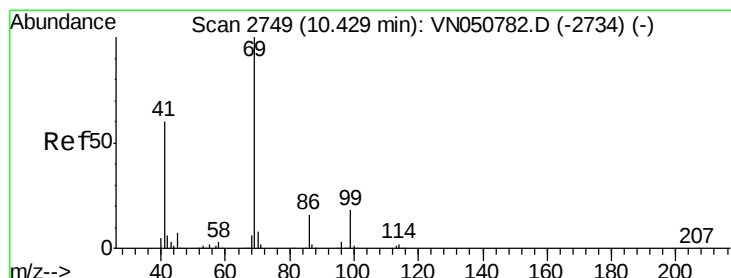
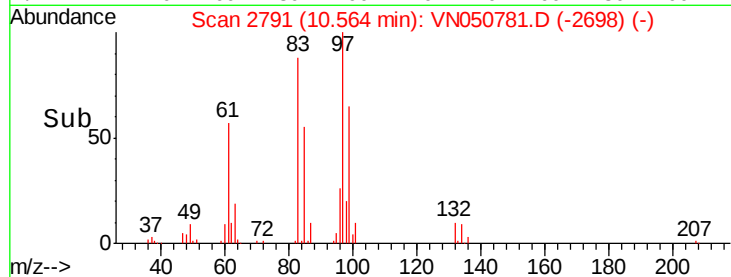
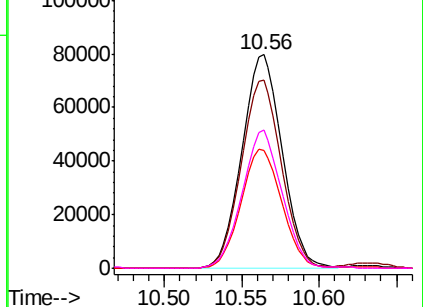


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.95 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

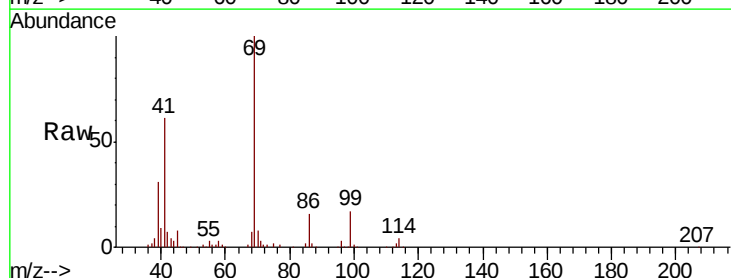
Tgt Ion: 69 Resp: 160362

Ion Ratio Lower Upper

69 100

41 62.2 48.3 72.5

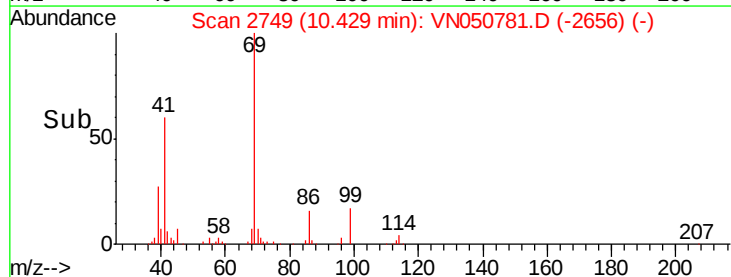
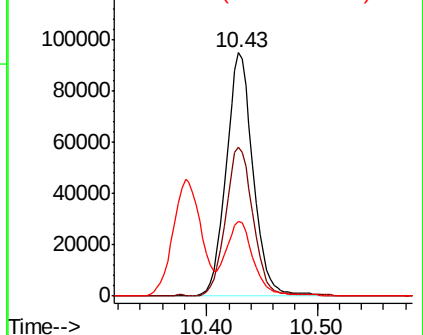
39 30.7 24.0 36.0

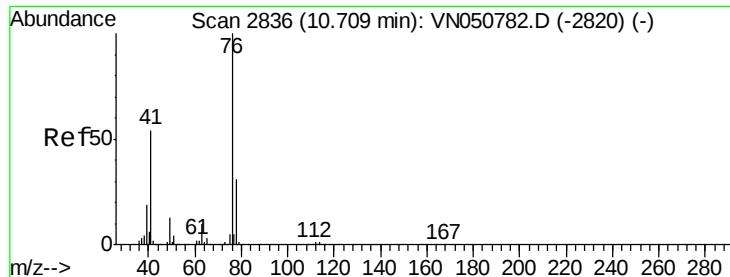


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.43 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 238971

Ion Ratio Lower Upper

76 100

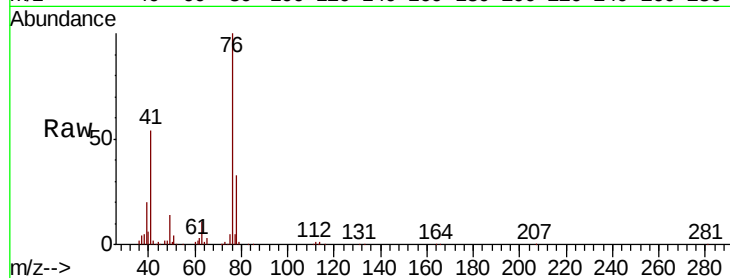
78 32.6 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

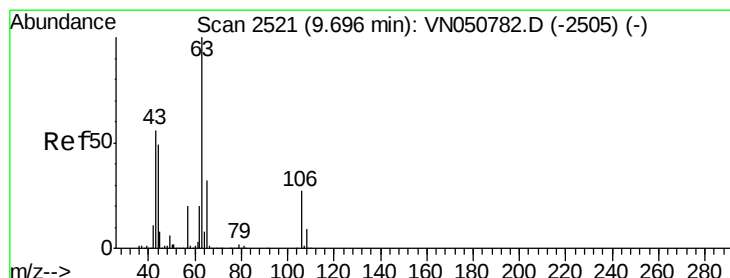
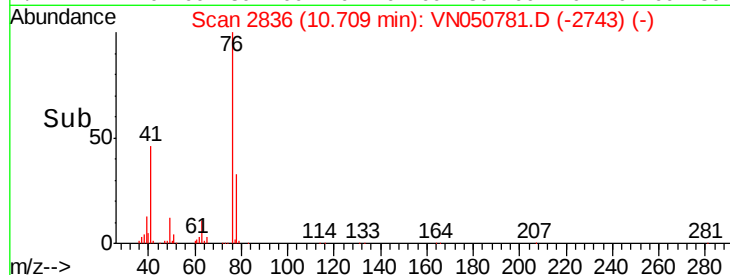
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.27 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050781.D

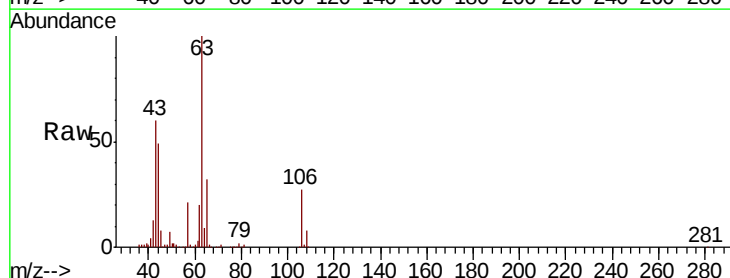
Acq: 21 Aug 2018 10:45

Tgt Ion: 63 Resp: 350918

Ion Ratio Lower Upper

63 100

106 27.1 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200000

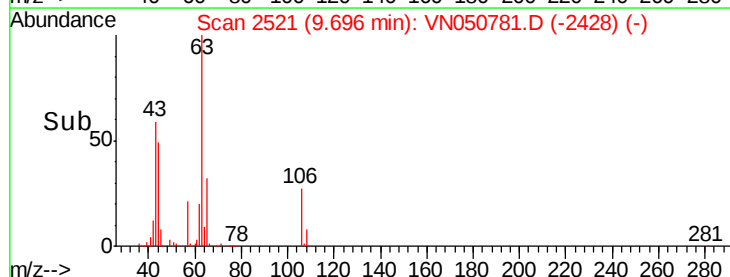
150000

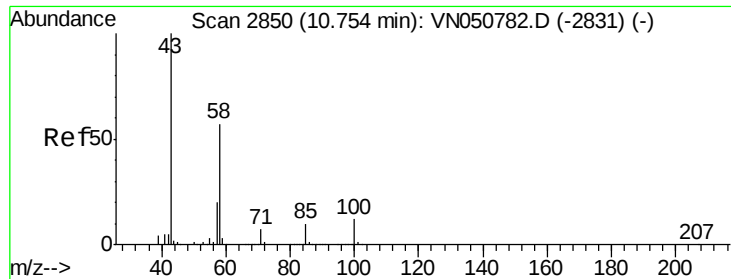
100000

50000

0

Time-->





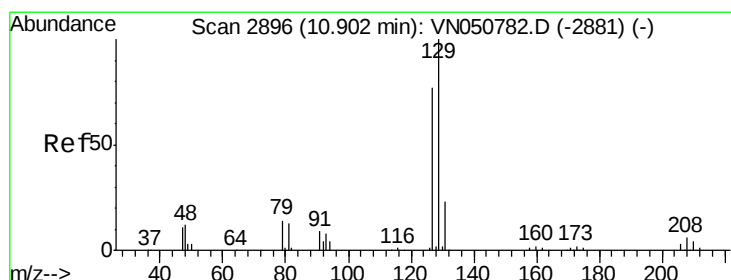
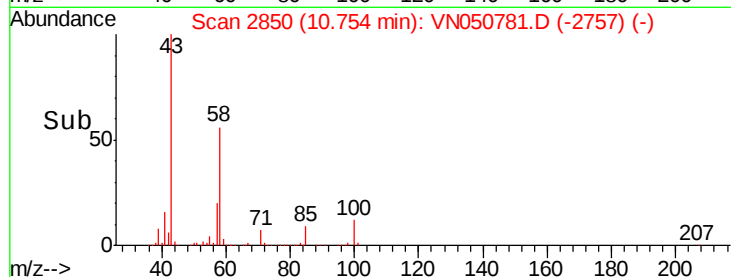
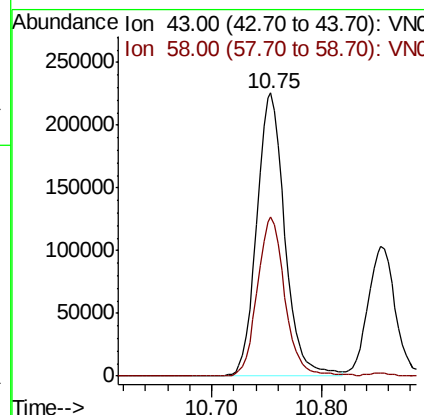
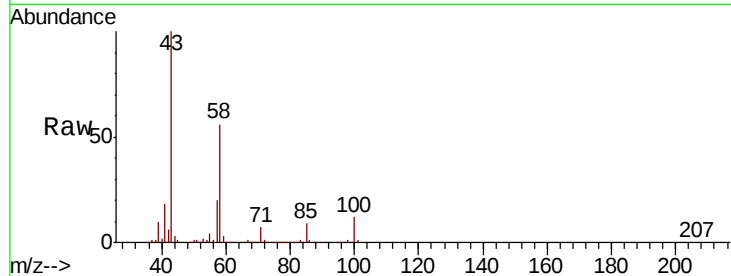
#59
2-Hexanone
Concen: 94.62 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	28.3	85.0

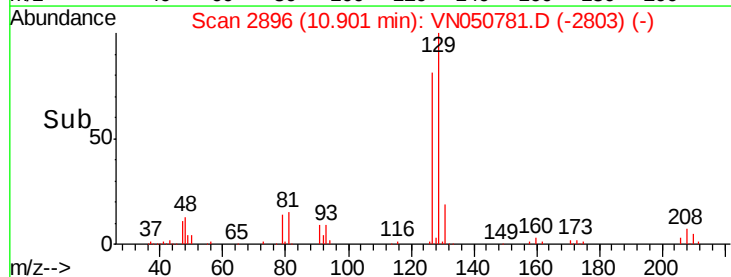
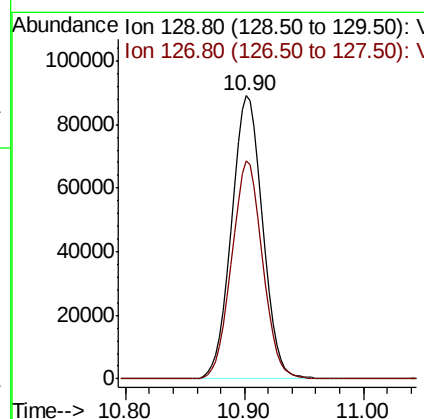
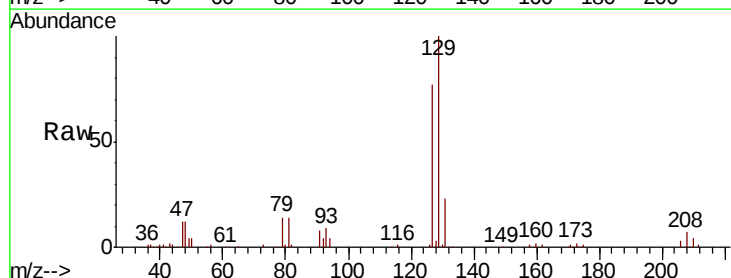
Manual Integrations
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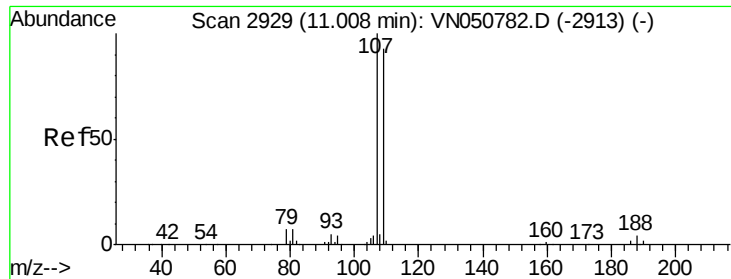
MMDadoda
8/22/2018 11:18:47 AM



#60
Dibromochloromethane
Concen: 20.36 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.3	114.9





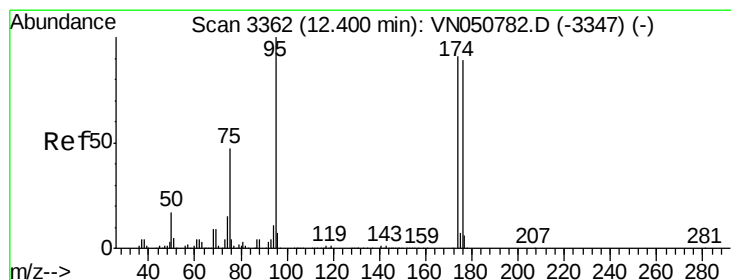
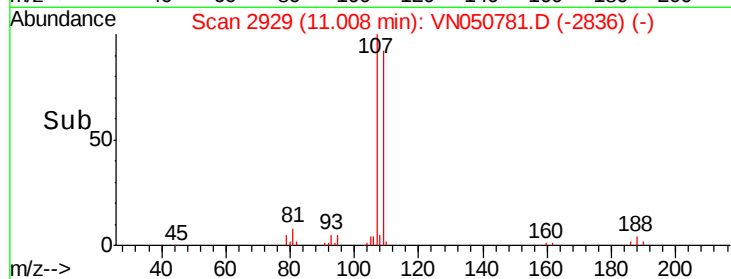
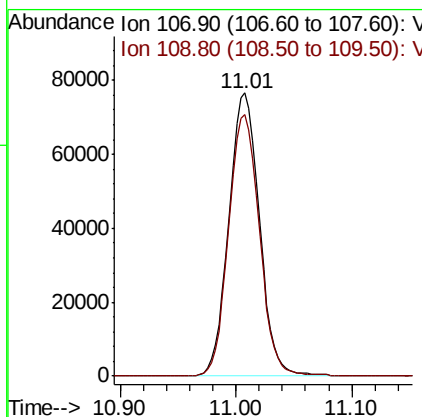
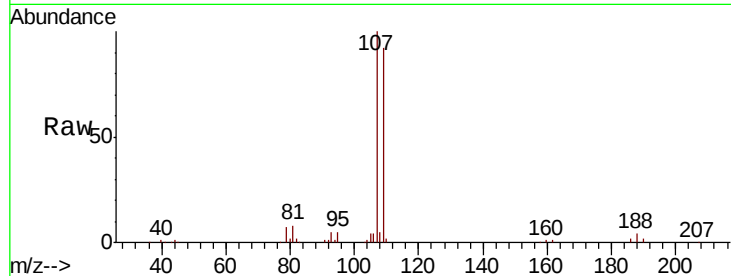
#61
 1,2-Dibromoethane
 Concen: 20.34 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

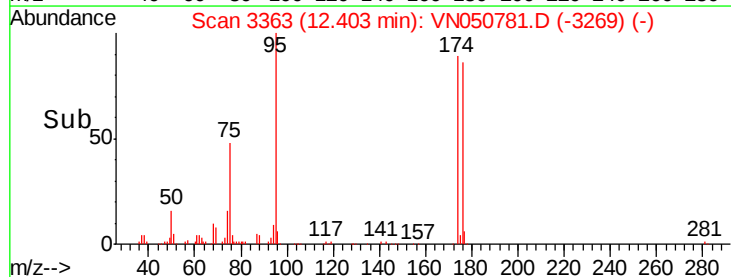
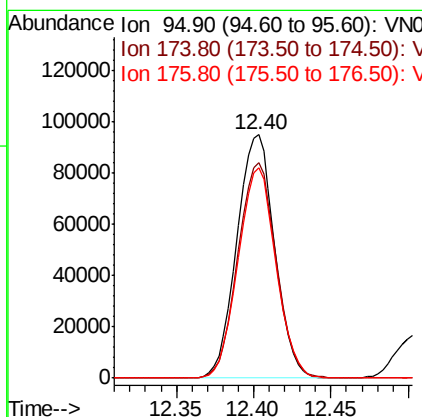
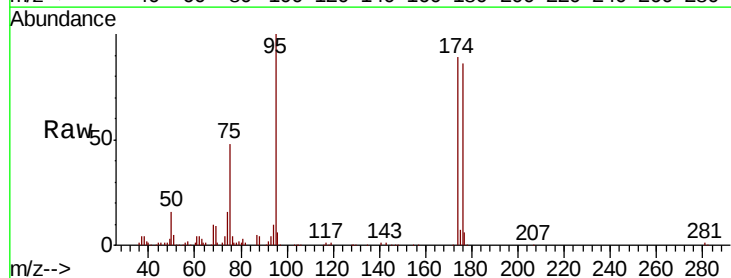
Manual Integrations
 APPROVED

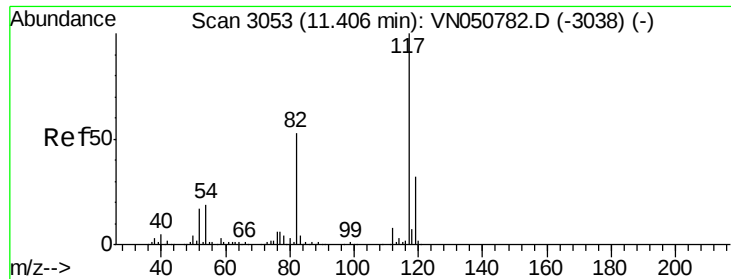
MMDadoda
 8/22/2018 11:18:47 AM



#62
 4-Bromofluorobenzene
 Concen: 18.00 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	183.0
176	86.7	0.0	178.8





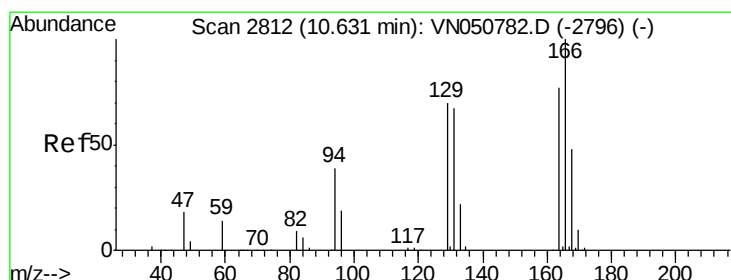
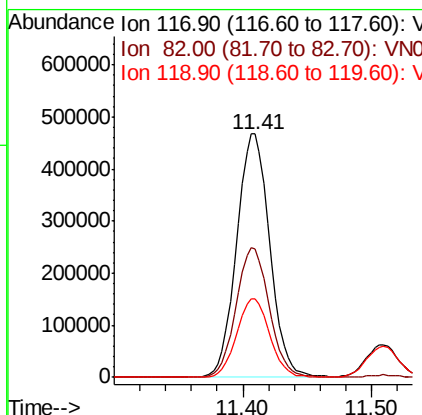
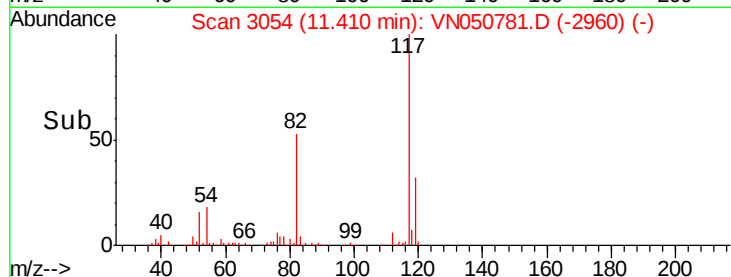
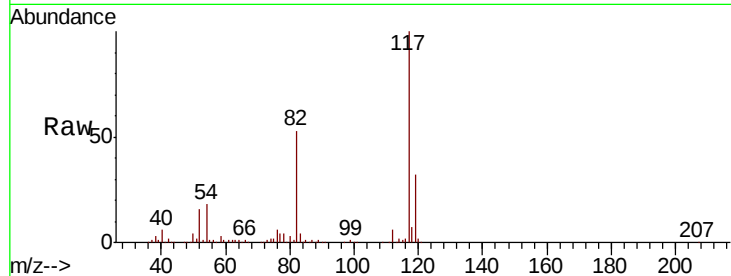
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	834511		
82	52.6		42.6	64.0
119	32.3		25.8	38.6

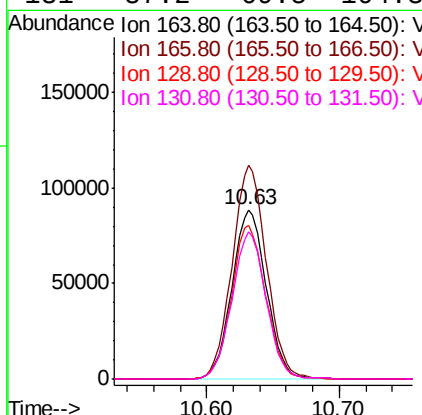
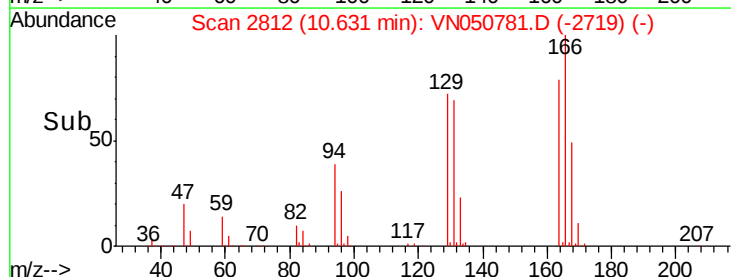
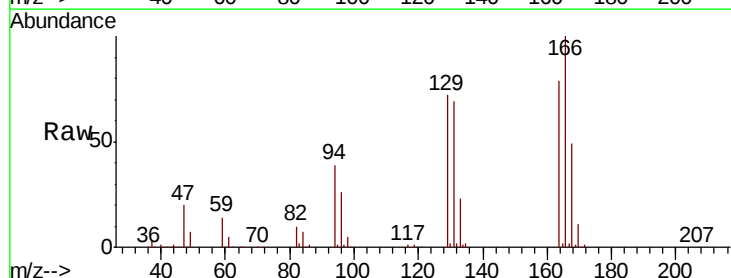
Manual Integrations
APPROVED

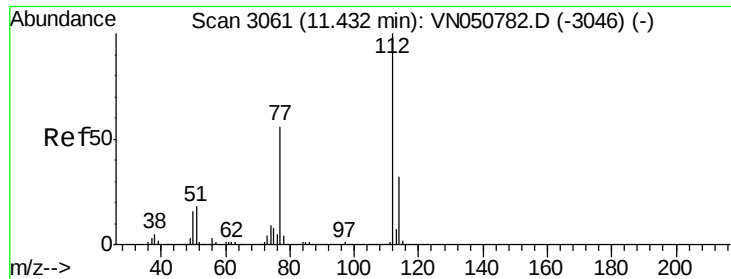
MMDadoda
8/22/2018 11:18:47 AM



#64
Tetrachloroethene
Concen: 20.08 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	159179		
166	126.2		103.5	155.3
129	90.8		72.7	109.1
131	87.2		69.5	104.3





#65

Chlorobenzene

Concen: 19.86 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:112 Resp: 433168

Ion Ratio Lower Upper

112 100

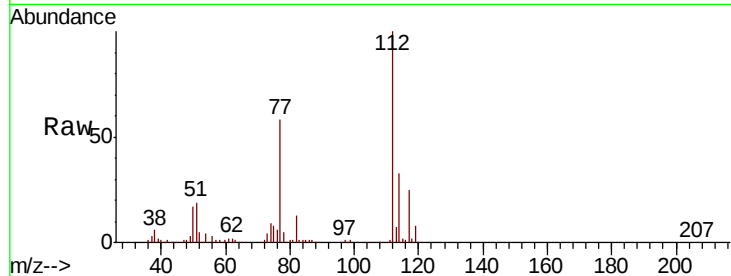
114 32.6 25.6 38.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

250000

200000

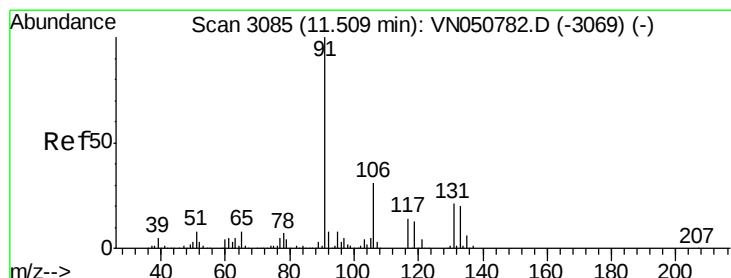
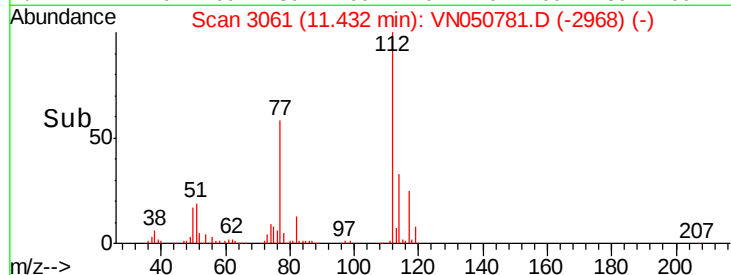
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.99 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

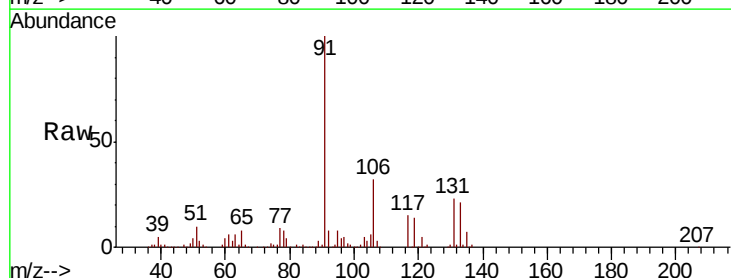
Tgt Ion:131 Resp: 159517

Ion Ratio Lower Upper

131 100

133 96.2 47.4 142.3

119 66.1 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

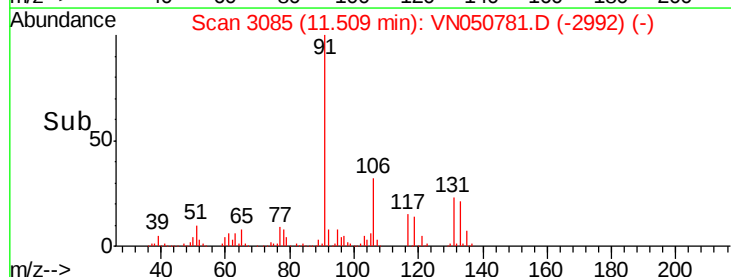
150000

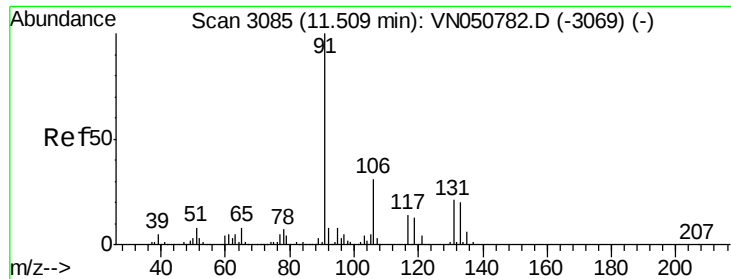
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 19.85 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 704076

Ion Ratio Lower Upper

91 100

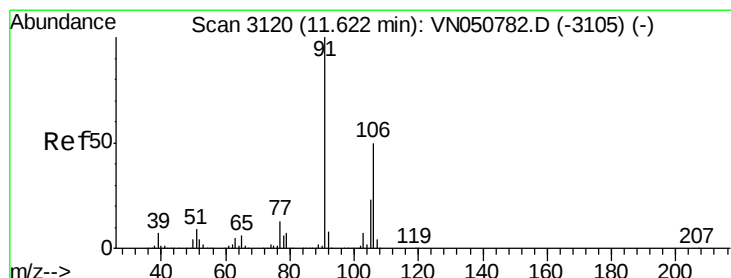
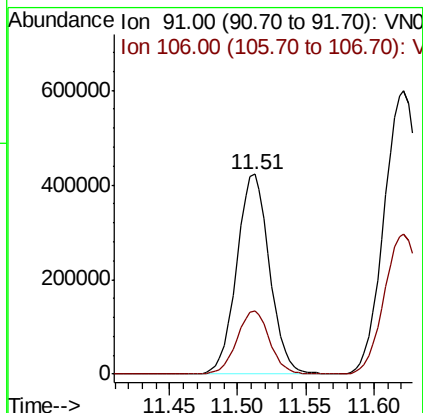
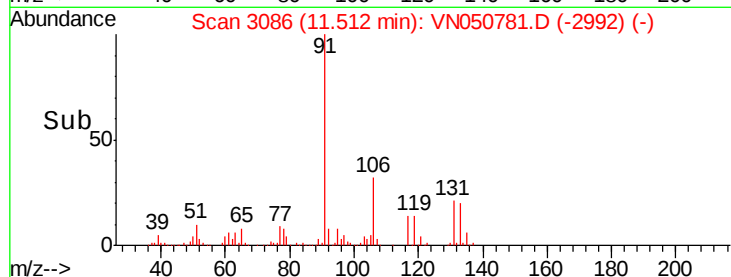
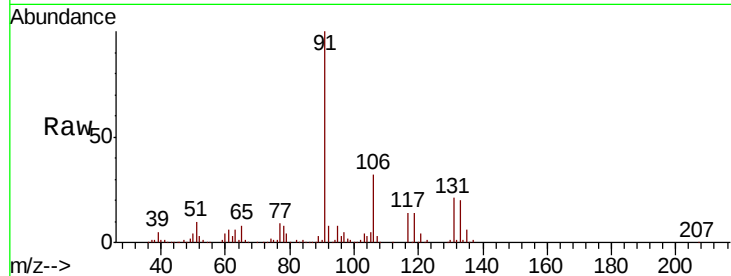
106 31.7 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.99 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050781.D

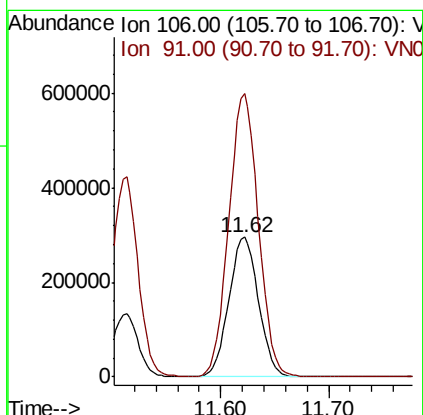
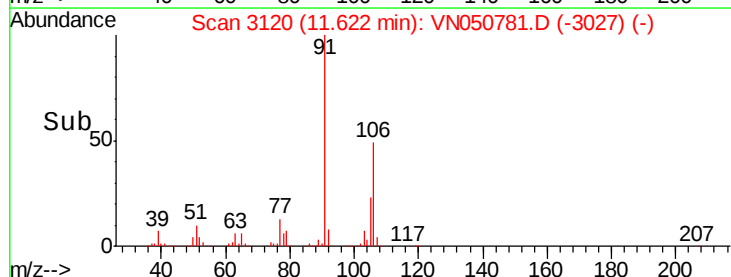
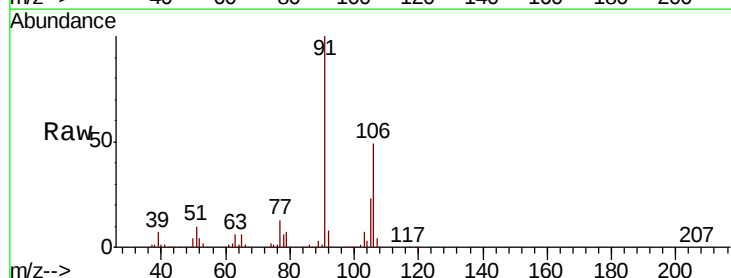
Acq: 21 Aug 2018 10:45

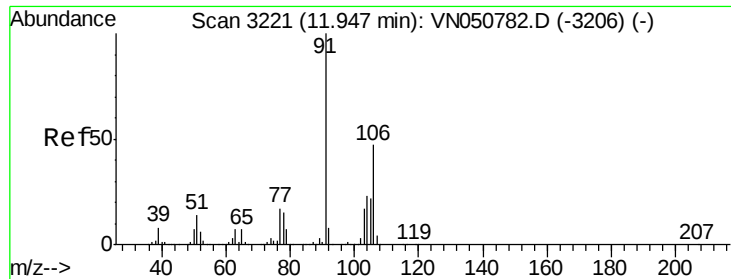
Tgt Ion: 106 Resp: 565143

Ion Ratio Lower Upper

106 100

91 202.0 161.0 241.6





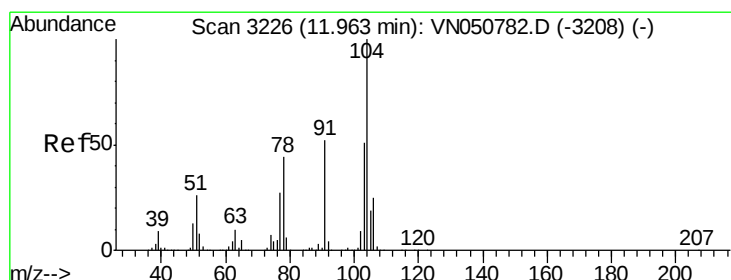
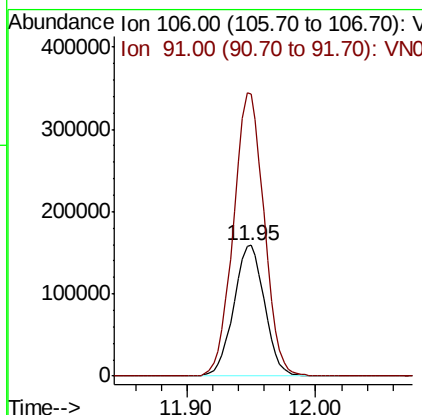
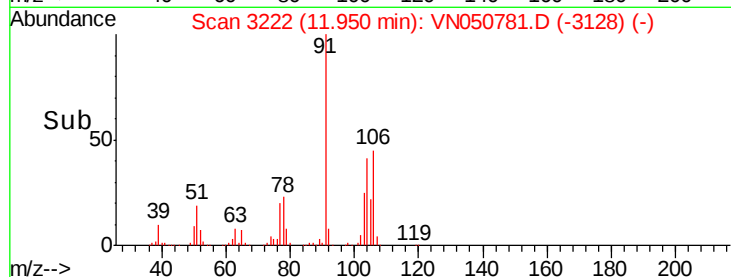
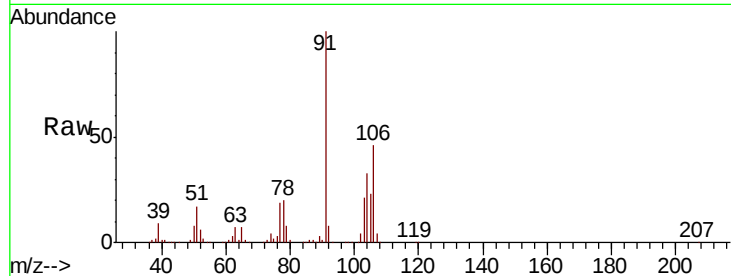
#69
o-Xylene
Concen: 20.35 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.1	106.5	319.5

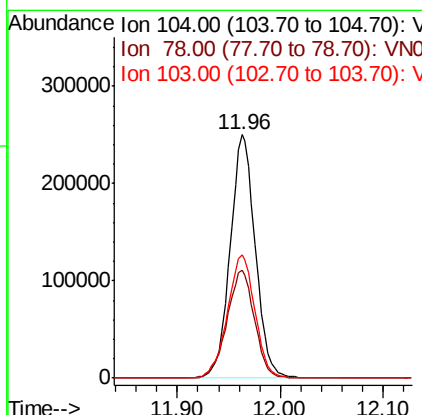
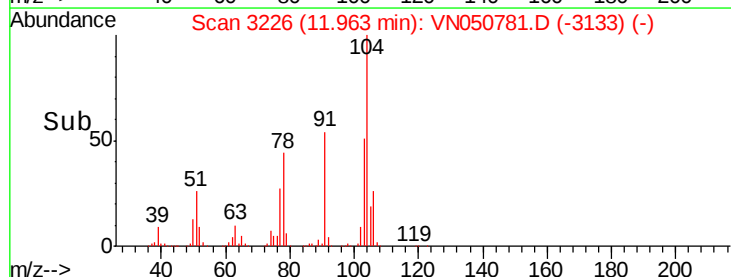
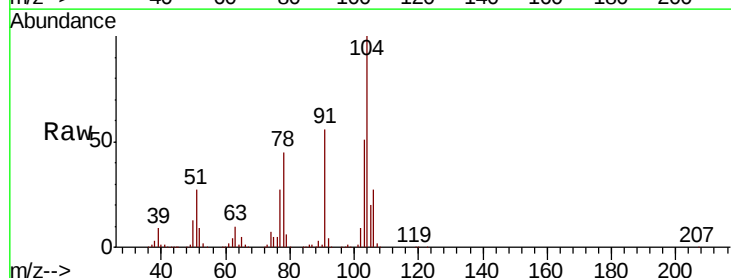
Manual Integrations
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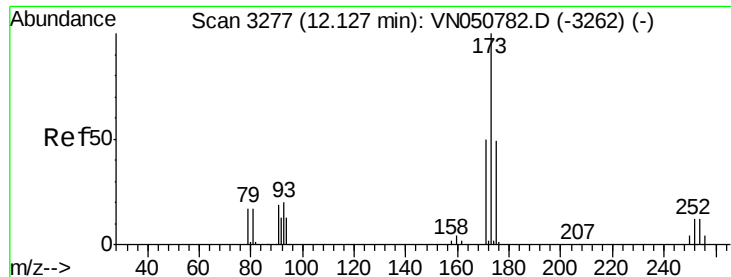
MMDadoda
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#70
Styrene
Concen: 21.01 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.2	57.4
103	55.4	44.4	66.6





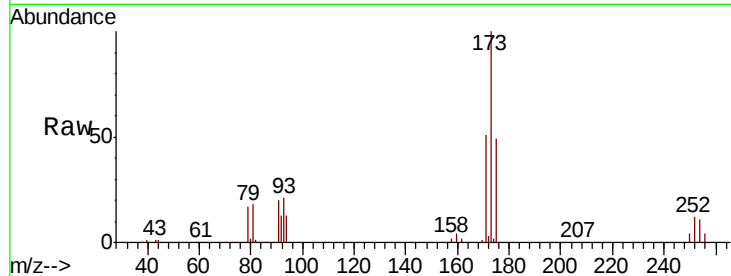
#71
Bromoform
Concen: 20.09 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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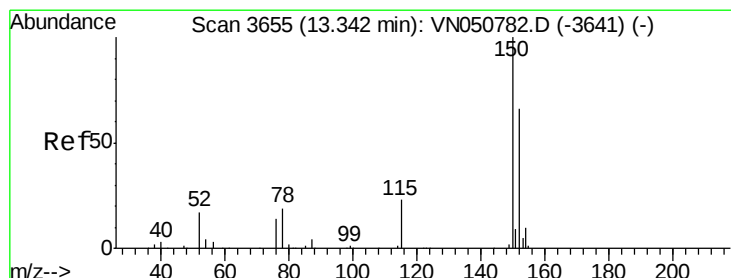
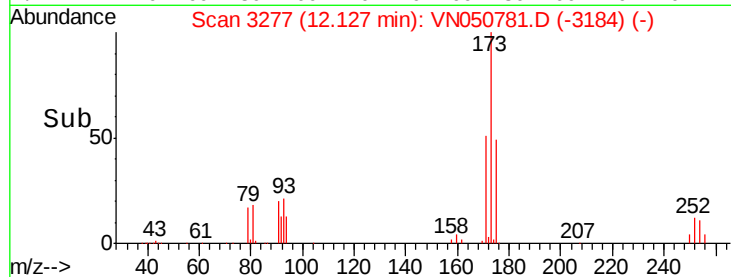
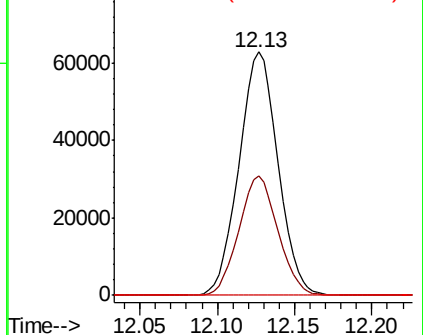


Abundance

Ion 172.70 (172.40 to 173.40): V

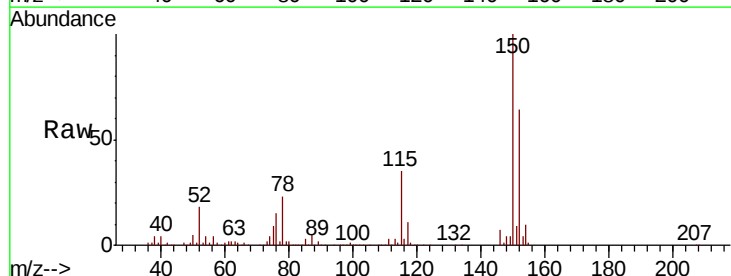
Ion 174.70 (174.40 to 175.40): V

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: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.4
150	165.7	0.0	351.4

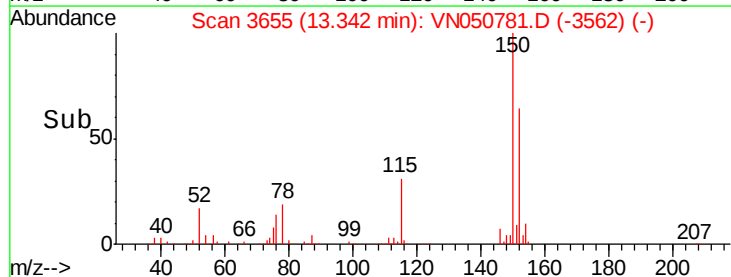
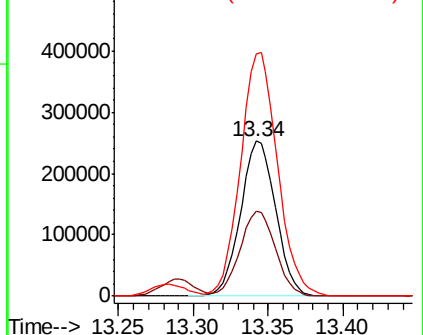


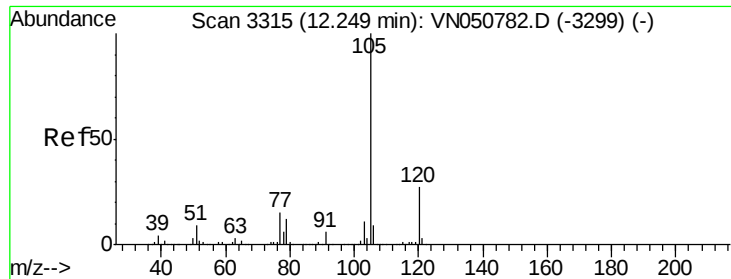
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.47 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 699841

Ion Ratio Lower Upper

105 100

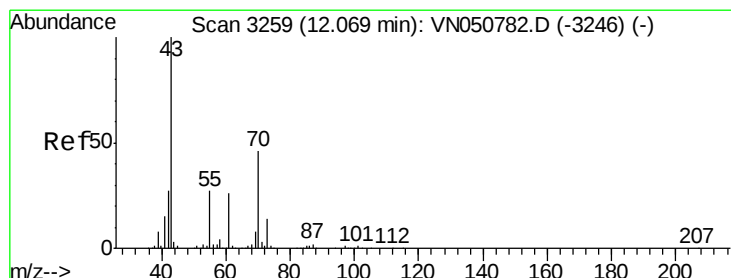
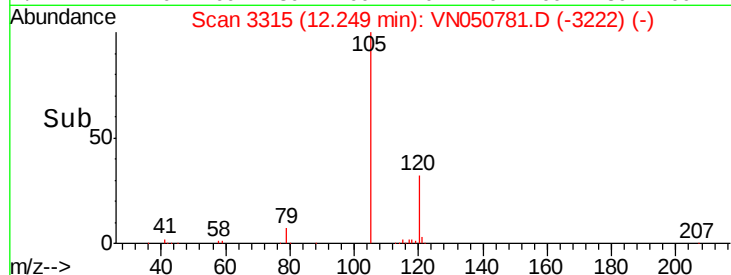
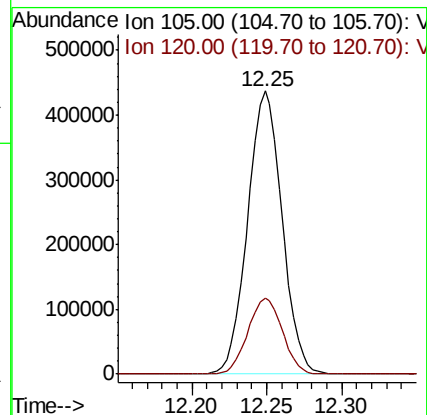
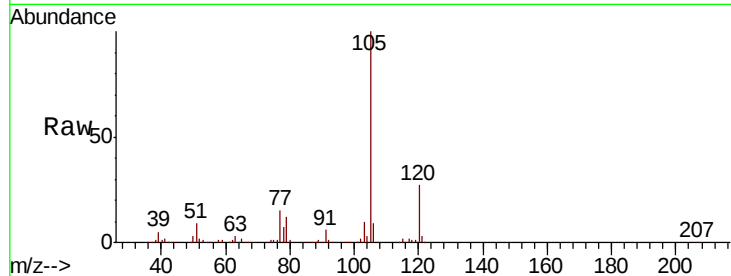
120 27.0 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.63 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion: 43 Resp: 168666

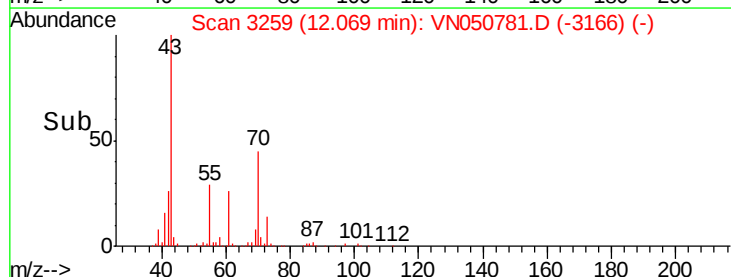
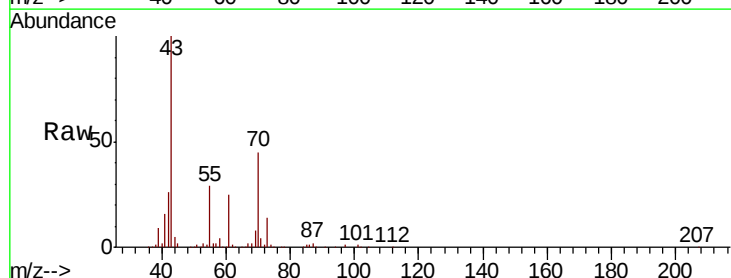
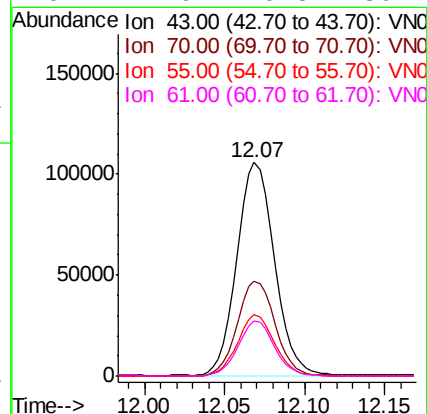
Ion Ratio Lower Upper

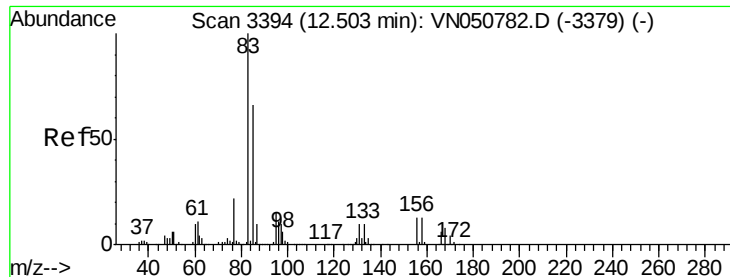
43 100

70 45.1 36.2 54.2

55 28.4 21.8 32.8

61 24.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.47 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

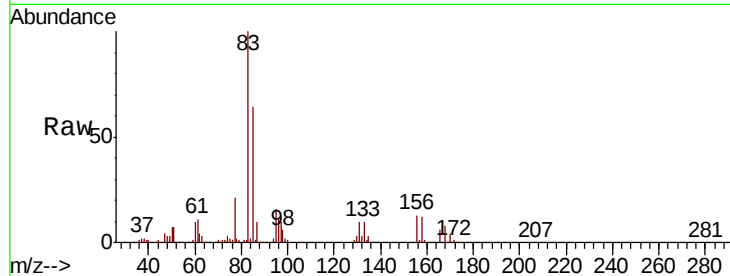
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	179382
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.5	31.9	95.7

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050781.D (-3379) (-)

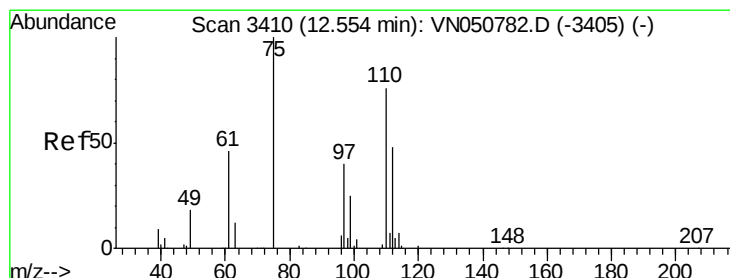
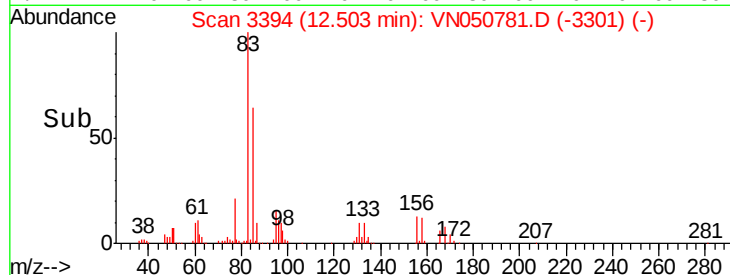
12.50

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.74 ug/l m

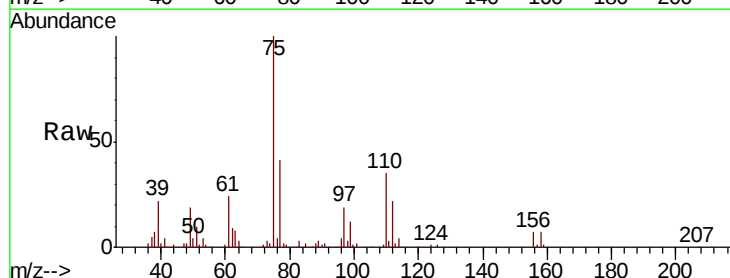
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Tgt Ion:	75	Resp:	152211
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050781.D (-3317) (-)

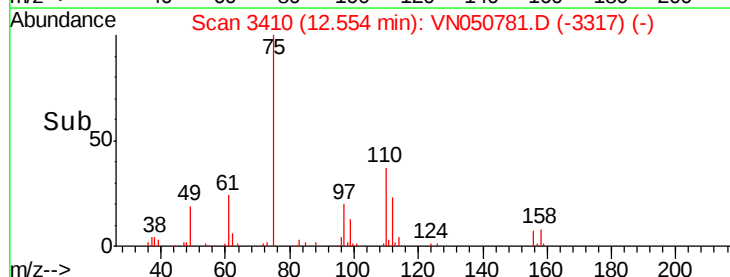
150000

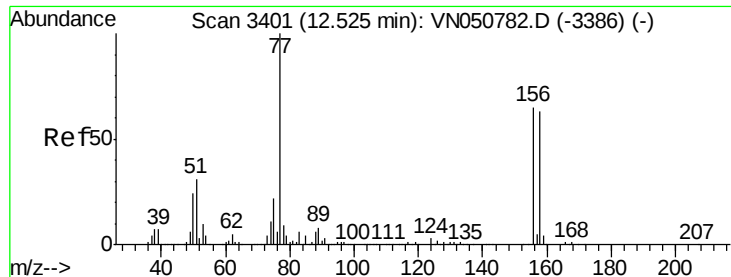
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 19.53 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:156 Resp: 181488

Ion Ratio Lower Upper

156 100

77 178.7 89.9 269.7

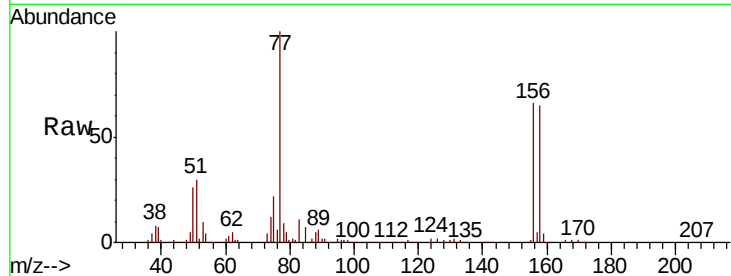
158 97.8 49.3 147.9

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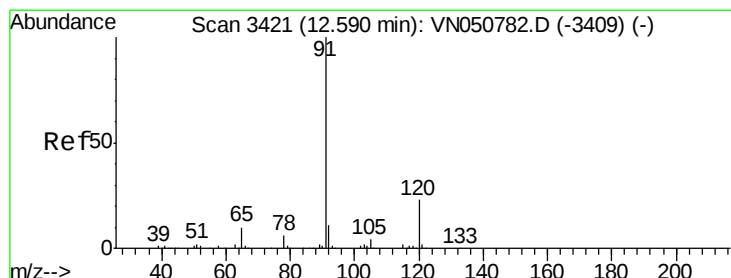
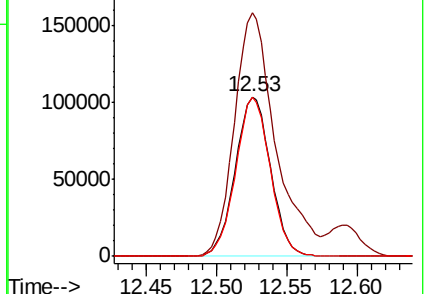
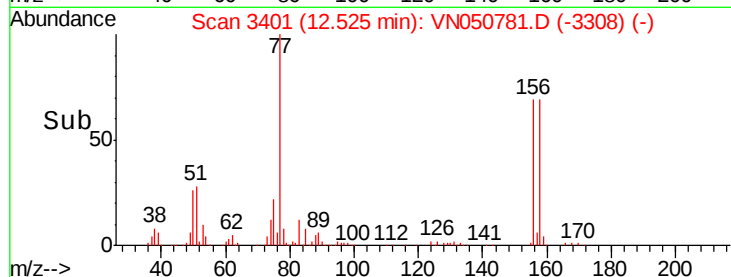
8/22/2018 11:18:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.69 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050781.D

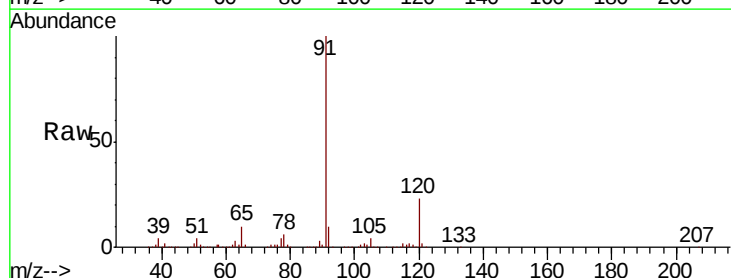
Acq: 21 Aug 2018 10:45

Tgt Ion: 91 Resp: 790238

Ion Ratio Lower Upper

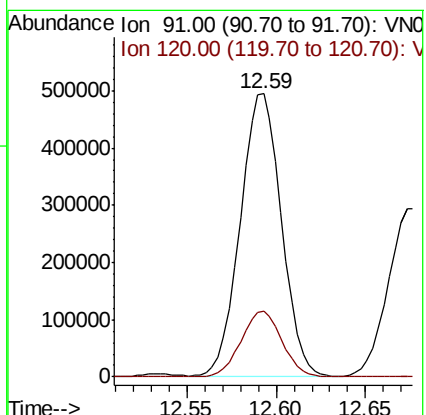
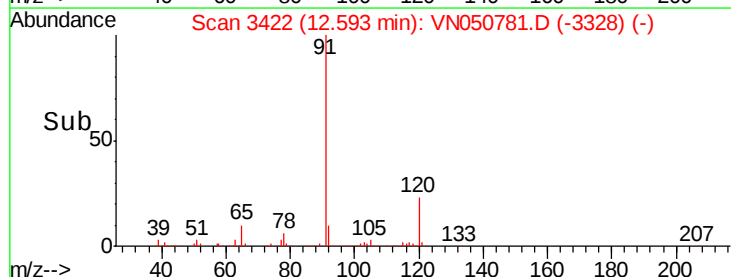
91 100

120 23.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.54 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 488827

Ion Ratio Lower Upper

91 100

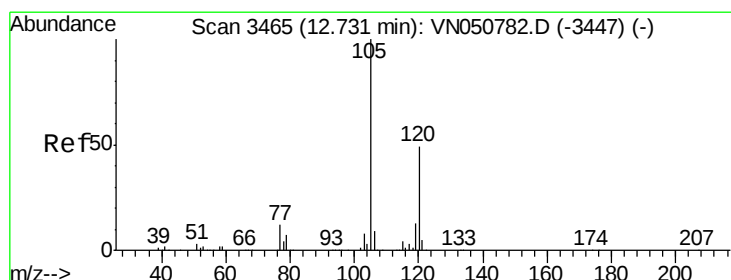
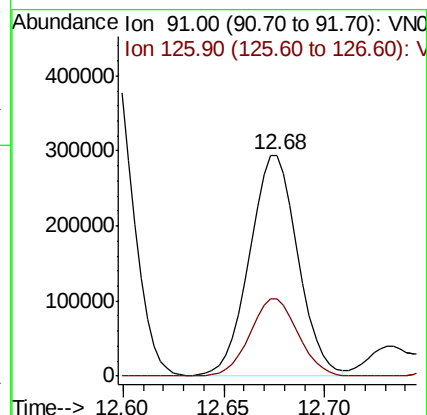
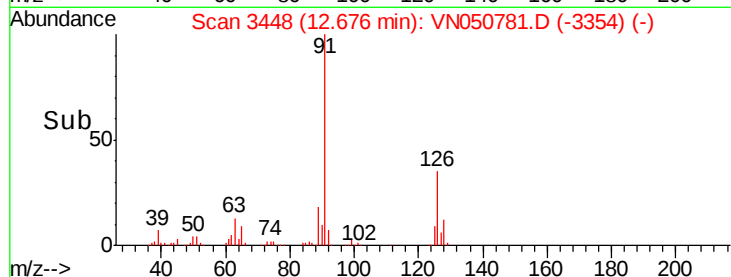
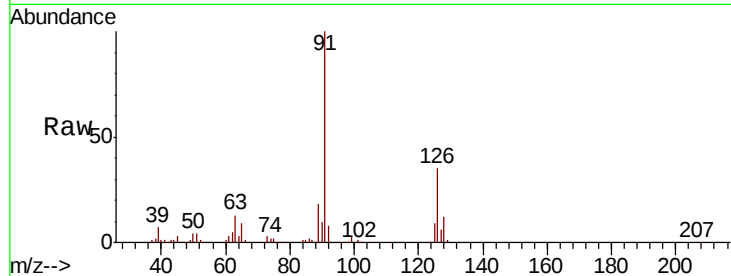
126 35.1 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050781.D

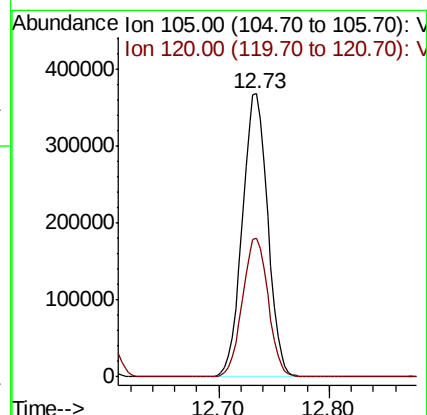
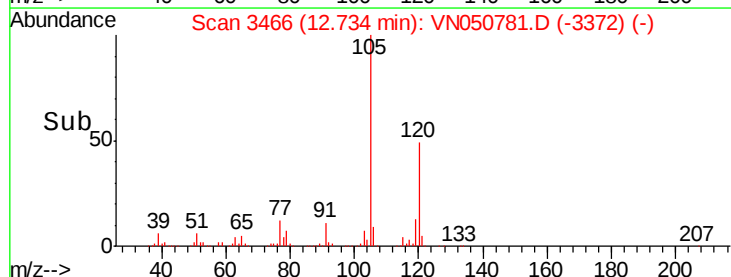
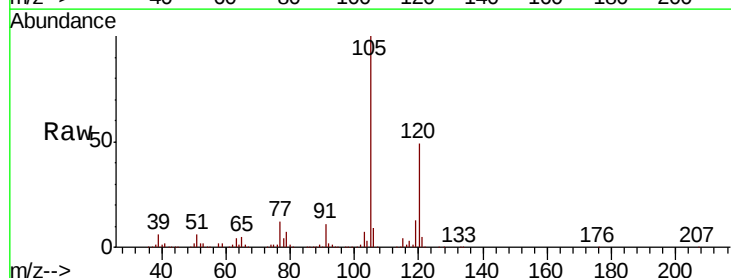
Acq: 21 Aug 2018 10:45

Tgt Ion: 105 Resp: 584460

Ion Ratio Lower Upper

105 100

120 49.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.45 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 41610

Ion Ratio Lower Upper

75 100

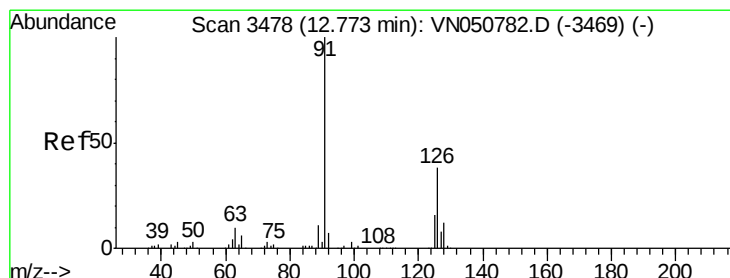
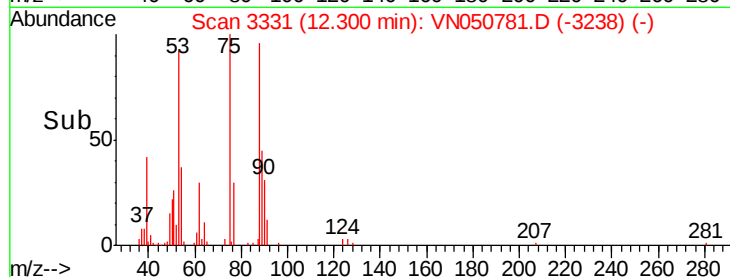
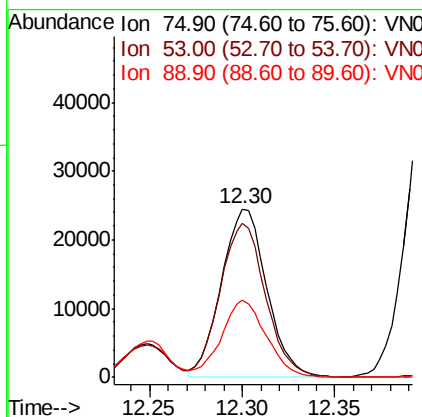
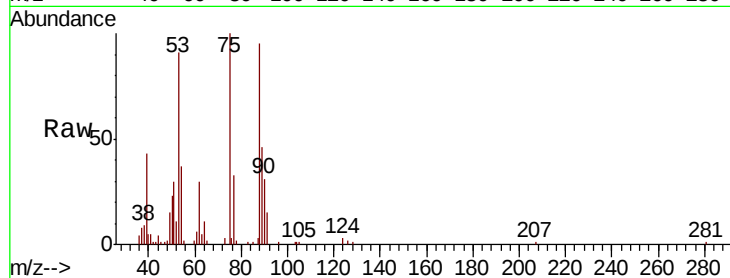
53 91.8 68.9 103.3

89 45.4 36.1 54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.67 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050781.D

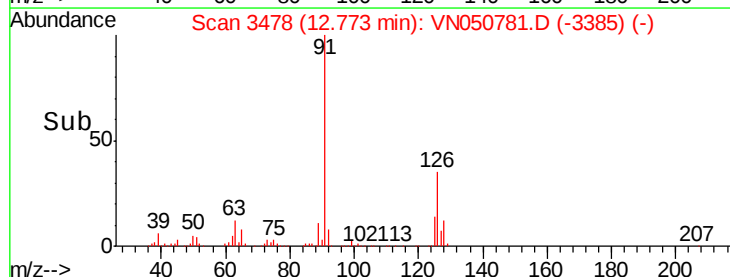
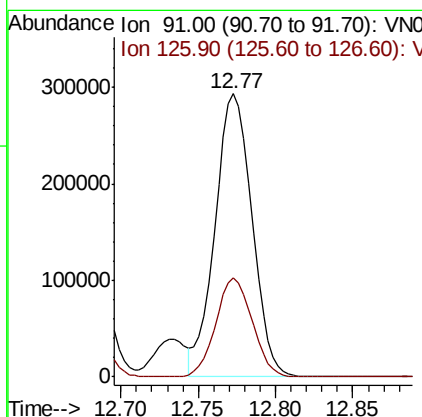
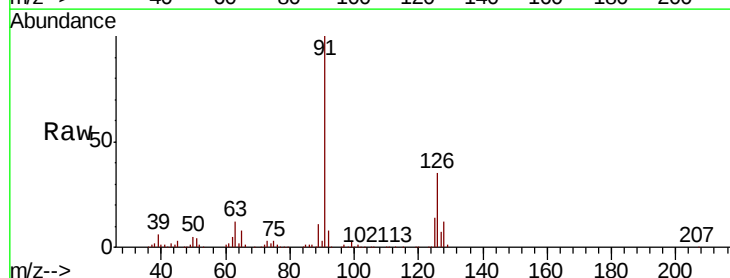
Acq: 21 Aug 2018 10:45

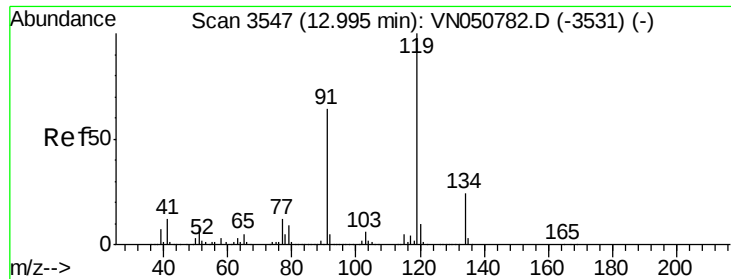
Tgt Ion: 91 Resp: 485582

Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5





#83

tert-Butylbenzene

Concen: 20.32 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050781.D

Acq: 21 Aug 2018 10:45

Instrument :

MSVOA_N

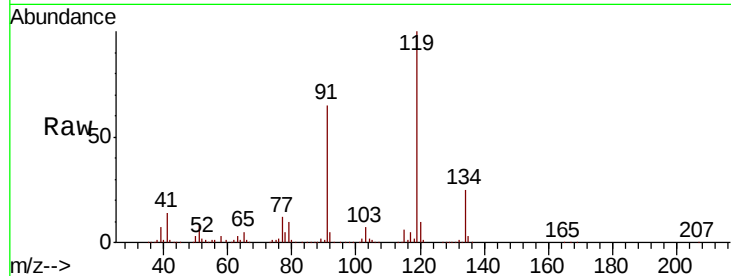
ClientSampleId :

VSTDIC020

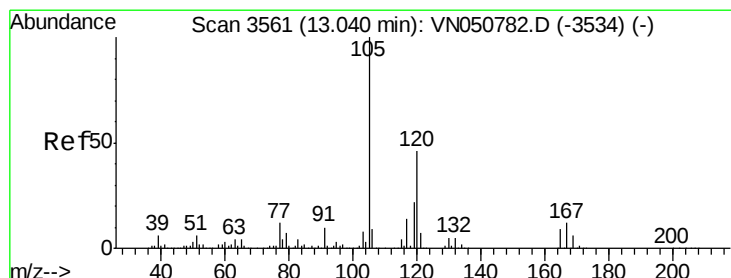
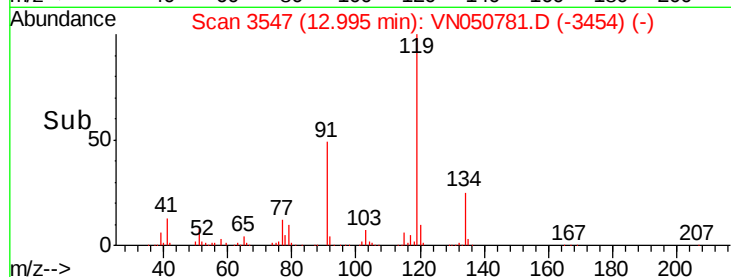
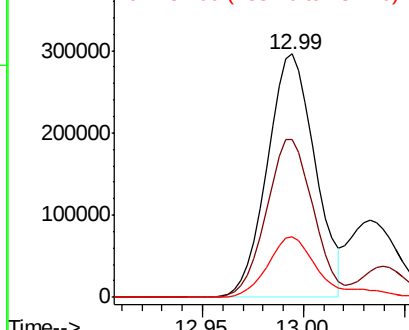
Tot Ion:	119	Resp:	485545
Ion Ratio	Lower	Upper	
119	100		
91	63.8	31.6	94.7
134	27.4	13.4	40.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.41 ug/l

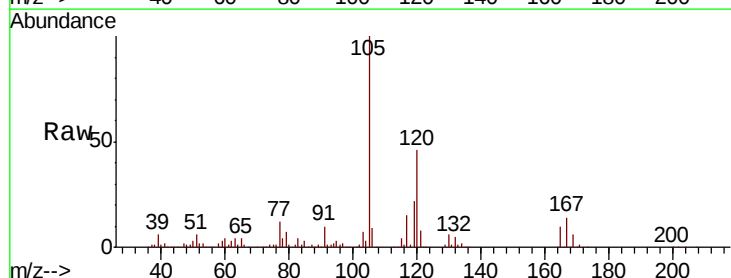
RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

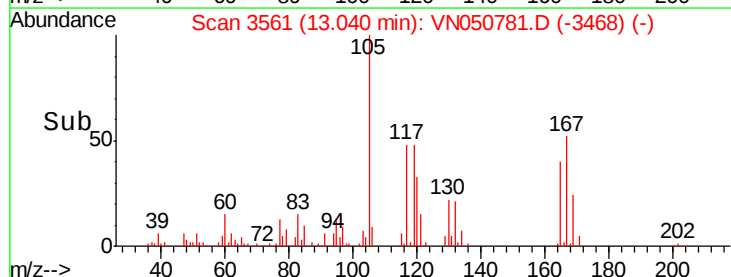
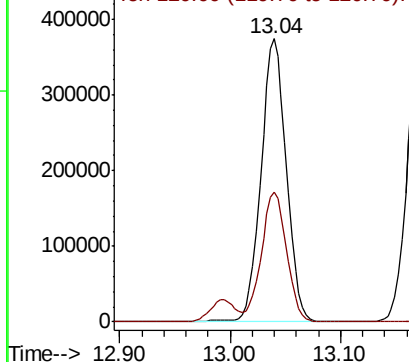
Lab File: VN050781.D

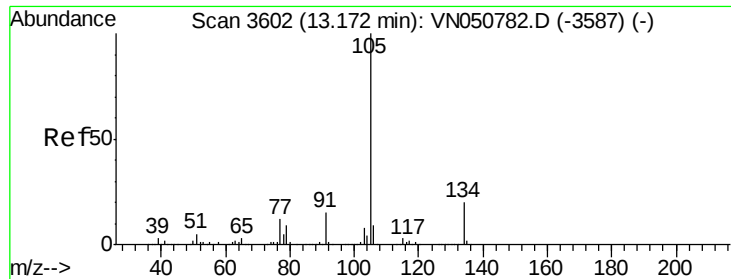
Acq: 21 Aug 2018 10:45

Tgt Ion:	105	Resp:	594277
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





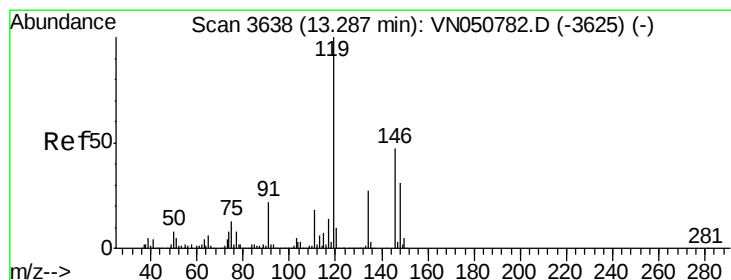
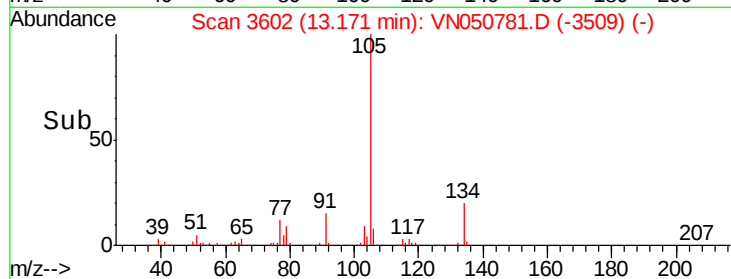
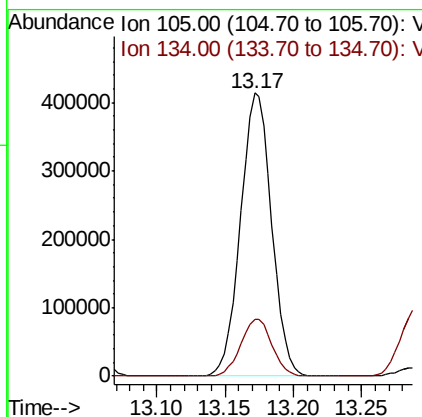
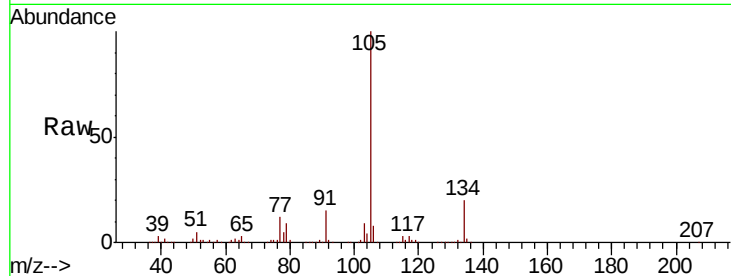
#85
 sec-Butylbenzene
 Concen: 20.85 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

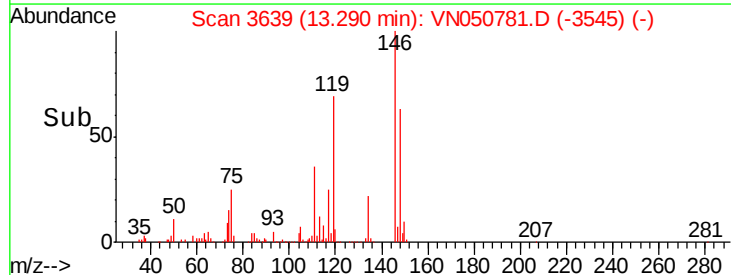
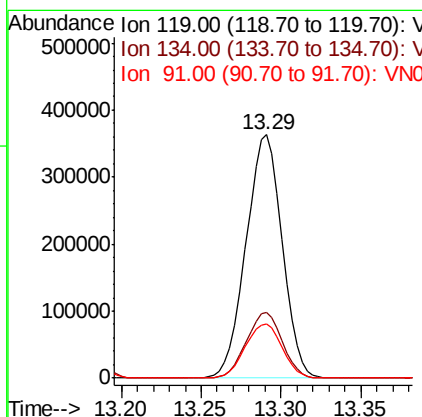
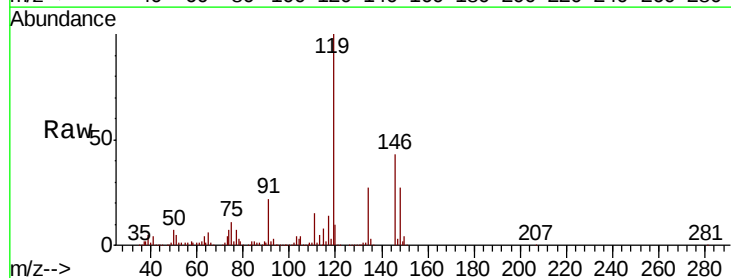
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#86
 p-Isopropyltoluene
 Concen: 20.99 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.0
91	22.8	11.2	33.5





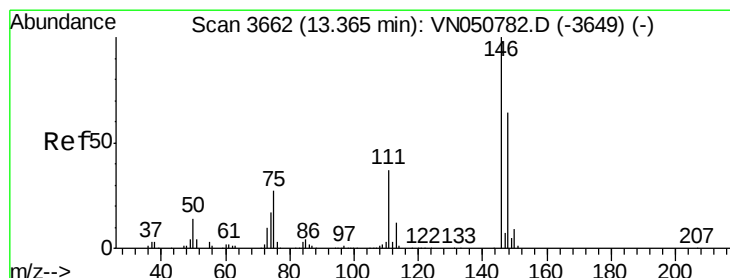
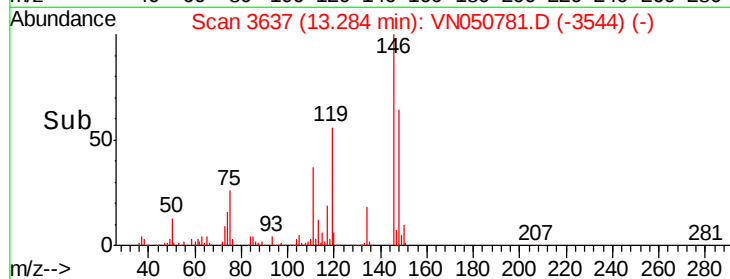
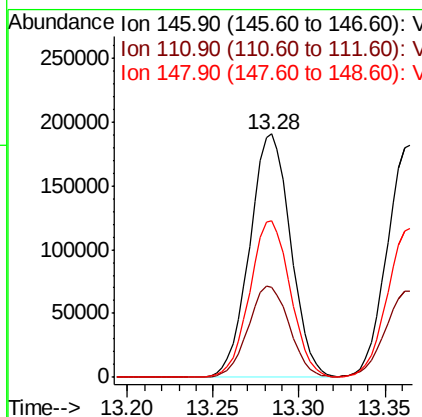
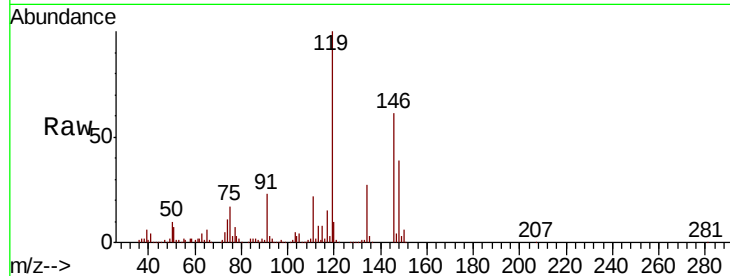
#87
 1,3-Dichlorobenzene
 Concen: 19.97 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.7	32.2	96.6

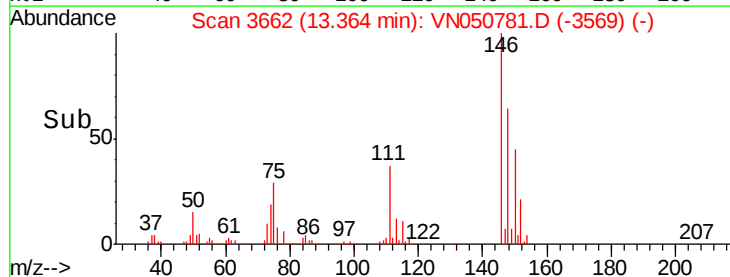
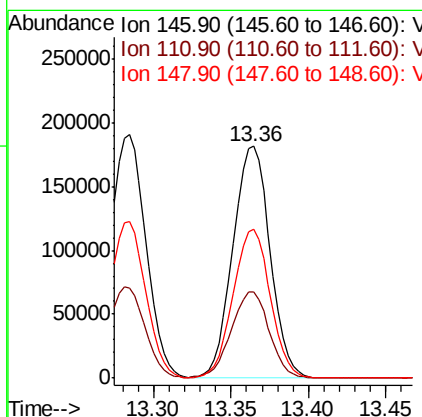
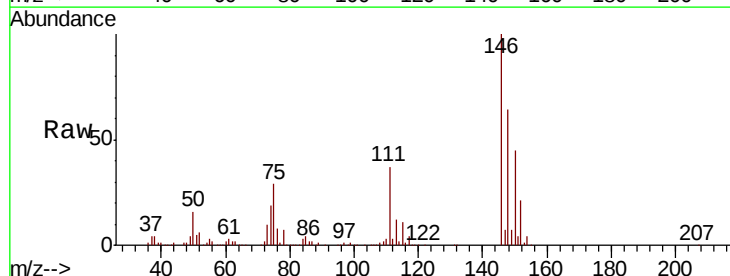
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#88
 1,4-Dichlorobenzene
 Concen: 19.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.3
148	64.1	32.2	96.6





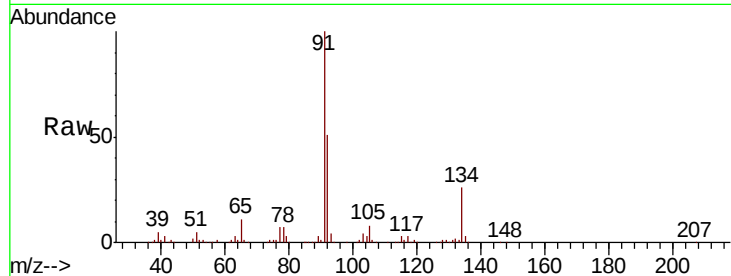
#89
n-Butylbenzene
Concen: 19.65 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.1	78.2
134	25.9	13.2	39.6

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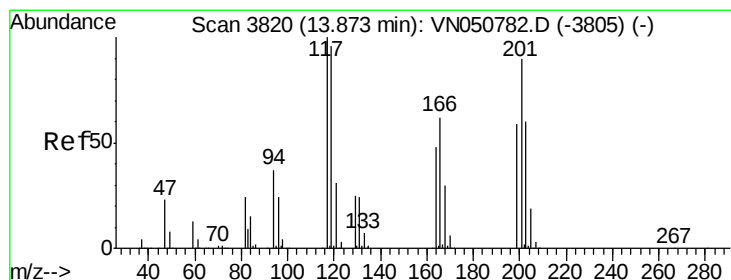
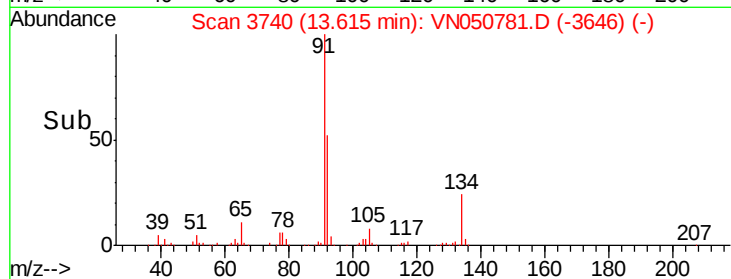
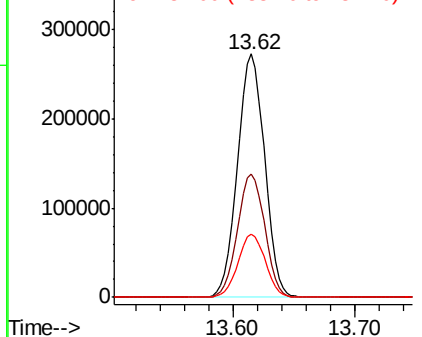


Abundance

Ion 91.00 (90.70 to 91.70): VN050781.D (-3726) (-)

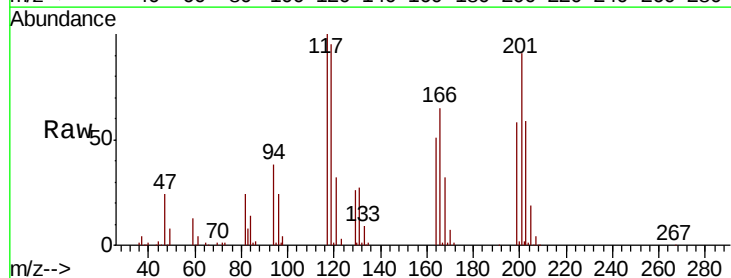
Ion 92.00 (91.70 to 92.70): VN050781.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050781.D (-3726) (-)



#90
Hexachloroethane
Concen: 18.74 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

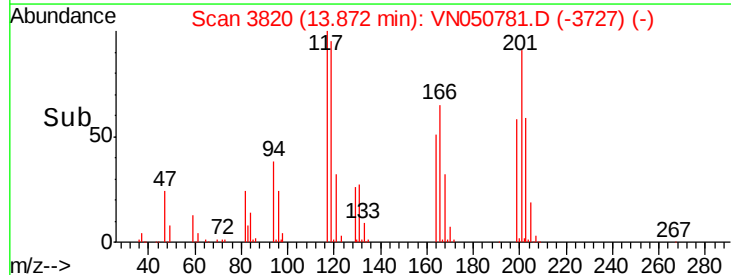
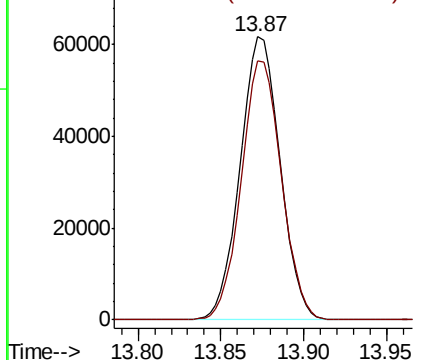
Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.6	46.0	137.8

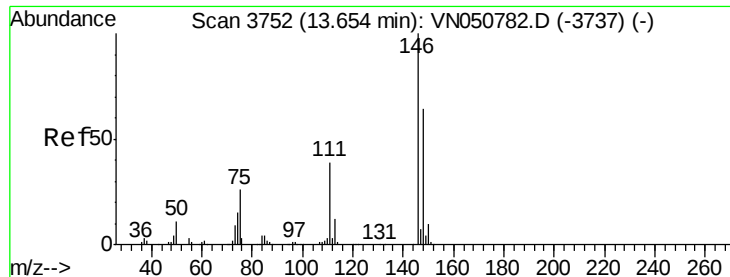


Abundance

Ion 116.80 (116.50 to 117.50): VN050781.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050781.D (-3805) (-)





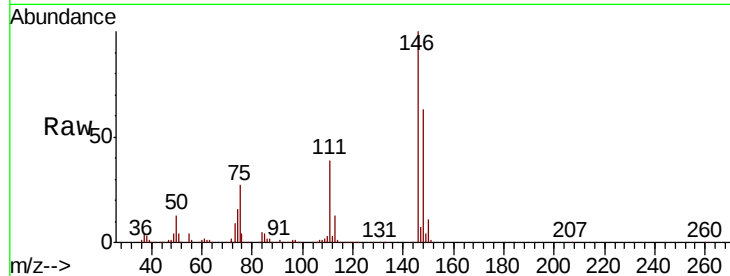
#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.4	32.3	96.8

Manual Integrations
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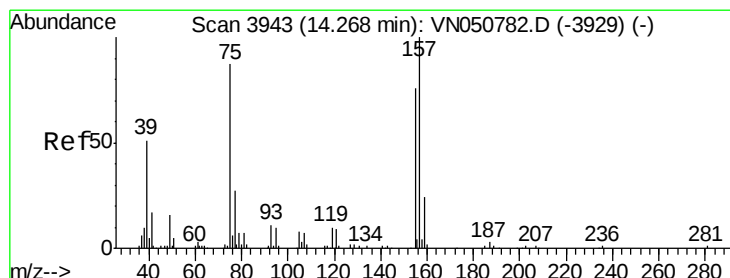
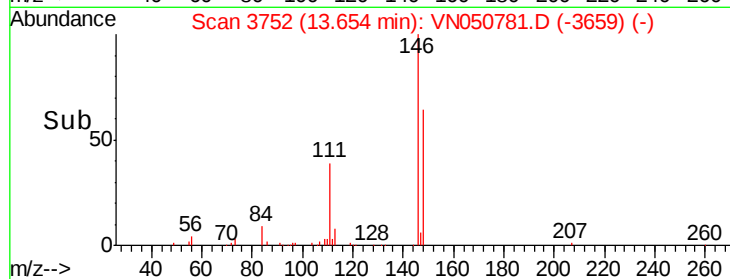
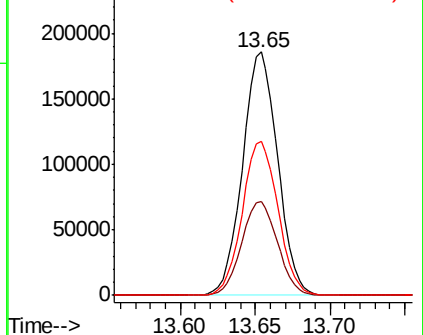


Abundance

Ion 145.90 (145.60 to 146.60): V

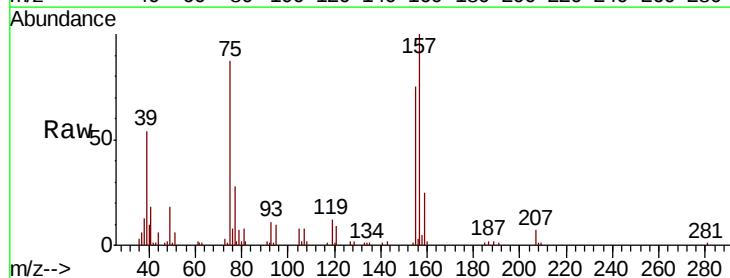
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.18 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.4	139.1
157	116.6	60.7	182.0

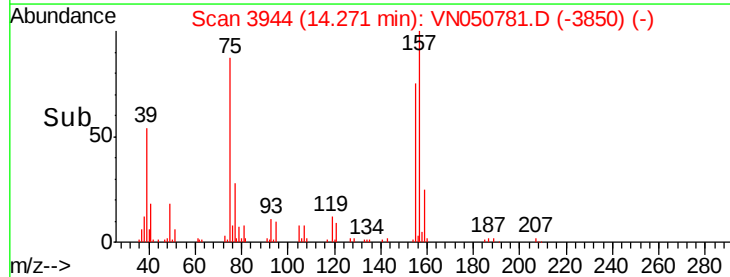
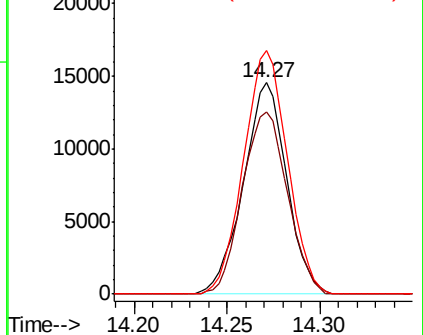


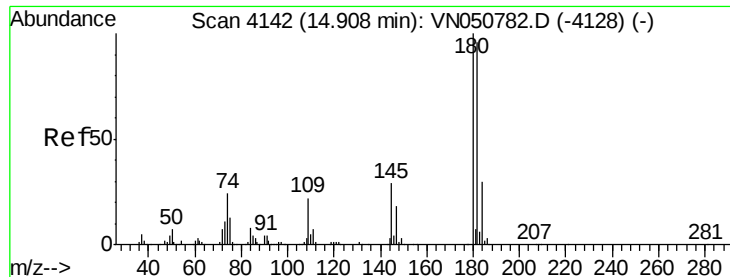
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





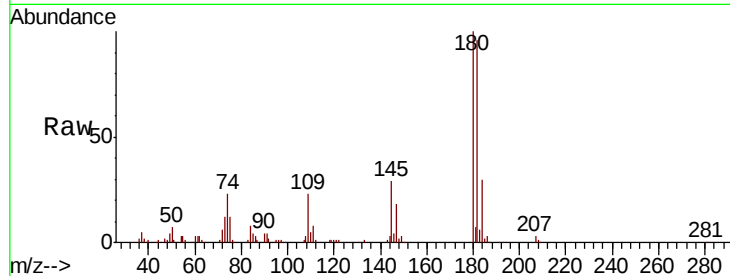
#93
 1,2,4-Trichlorobenzene
 Concen: 18.17 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

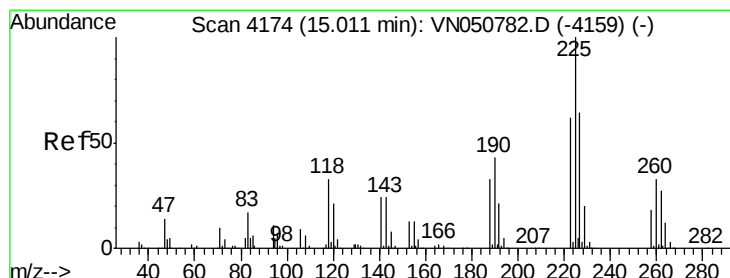
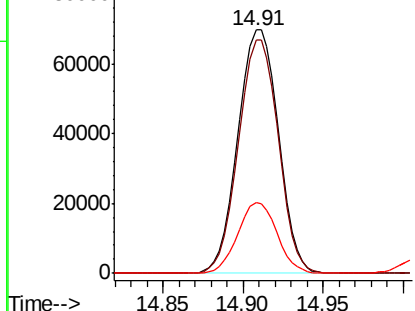
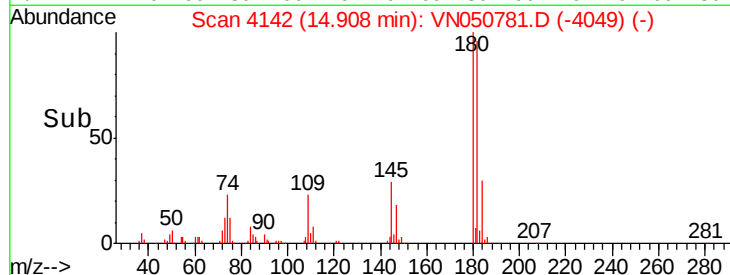
Tot Ion:	180	Resp:	120316
Ion Ratio	Lower	Upper	
180	100		
182	94.1	48.2	144.6
145	28.2	14.1	42.2

Manual Integrations
 APPROVED

MMDadoda
 8/22/2018 11:18:47 AM

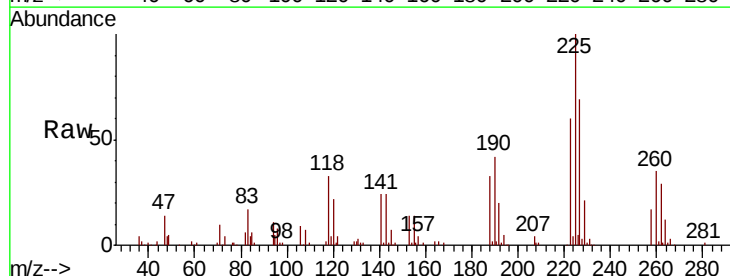


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

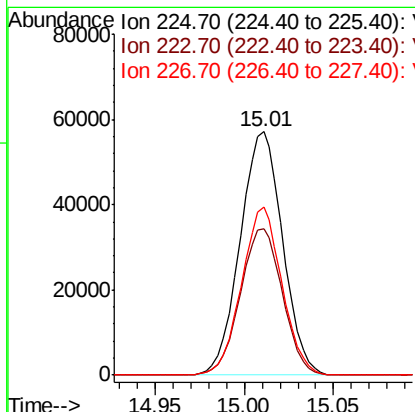
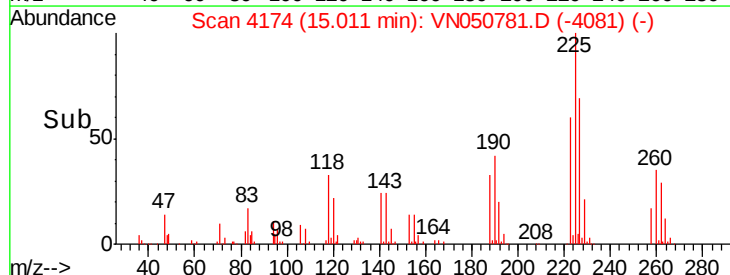


#94
 Hexachlorobutadiene
 Concen: 19.17 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050781.D
 Acq: 21 Aug 2018 10:45

Tgt Ion:	225	Resp:	95111
Ion Ratio	Lower	Upper	
225	100		
223	59.6	31.3	93.8
227	65.5	32.0	96.2



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





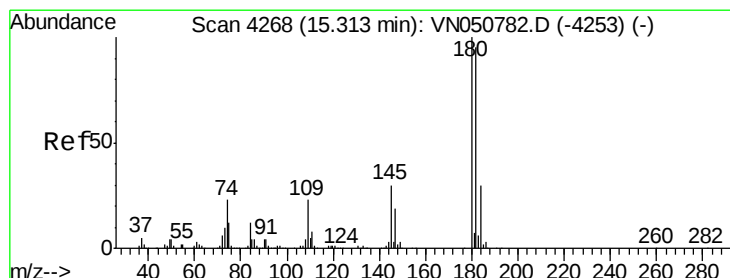
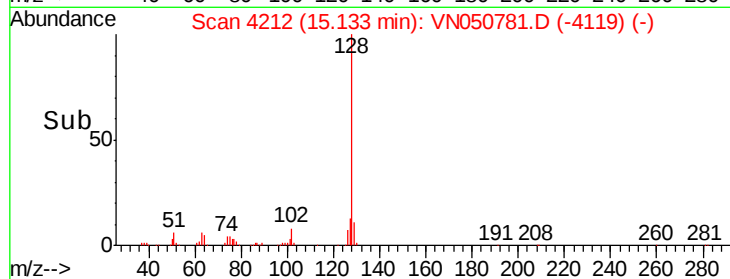
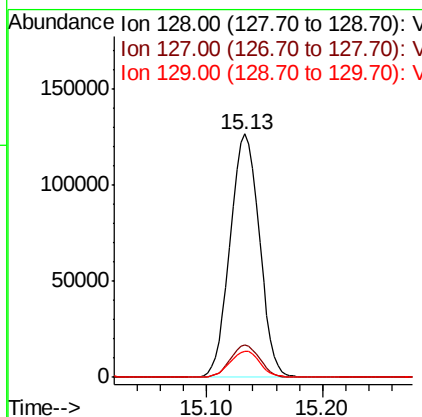
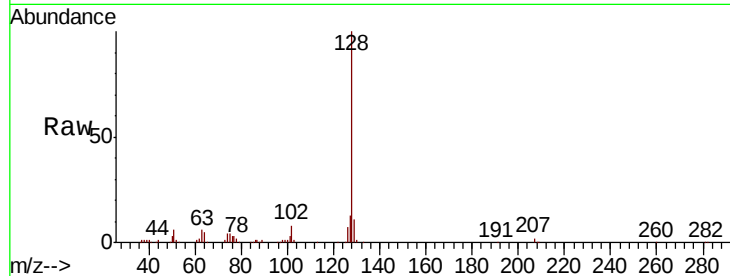
#95
Naphthalene
Concen: 16.95 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	221520		
127	13.2		10.5	15.7
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.83 ug/l
RT: 15.31 min Scan# 4268
Delta R.T. -0.00 min
Lab File: VN050781.D
Acq: 21 Aug 2018 10:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	121417		
182	95.5		48.0	144.2
145	29.9		15.2	45.6

