

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051143.D
 Acq On : 12 Sep 2018 11:17
 Operator : MD\SY
 Sample : VN0912WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Manual Integrations
 APPROVED

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 9/13/2018 5:20:06 PM

Quant Time: Sep 13 08:02:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	629102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	808563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368190	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	371301	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
35) Dibromofluoromethane	7.59	113	357575	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.09	98	1325328	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.40	95	417227	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108789	17.93	ug/l	97
3) Chloromethane	2.06	50	144877	18.15	ug/l	98
4) Vinyl Chloride	2.18	62	150718	18.10	ug/l	100
5) Bromomethane	2.56	94	79438	16.24	ug/l	96
6) Chloroethane	2.70	64	90739	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	208011	18.85	ug/l	96
8) Diethyl Ether	3.41	74	79517	19.59	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	132202	18.59	ug/l	99
10) Methyl Iodide	3.95	142	80913	16.42	ug/l	100
11) Tert butyl alcohol	4.80	59	59210	110.73	ug/l	100
12) 1,1-Dichloroethene	3.73	96	124967	18.62	ug/l	97
13) Acrolein	3.61	56	58414	105.08	ug/l	99
14) Allyl chloride	4.32	41	186226	18.21	ug/l	99
15) Acrylonitrile	5.00	53	253730	107.08	ug/l	99
16) Acetone	3.82	43	181503	101.38	ug/l	98
17) Carbon Disulfide	4.05	76	355982	18.07	ug/l	100
18) Methyl Acetate	4.33	43	119612	21.34	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	356467	20.09	ug/l	99
20) Methylene Chloride	4.55	84	144314	18.66	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	131658	18.09	ug/l	97
22) Diisopropyl ether	5.96	45	409190	20.16	ug/l	98
23) Vinyl Acetate	5.90	43	1393674	101.48	ug/l	100
24) 1,1-Dichloroethane	5.85	63	245668	19.08	ug/l	99
25) 2-Butanone	6.84	43	281181	102.15	ug/l	99
26) 2,2-Dichloropropane	6.83	77	183082	17.37	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	149159	18.68	ug/l	100
28) Bromochloromethane	7.20	49	114558	19.99	ug/l	100
29) Tetrahydrofuran	7.22	42	192606	112.05	ug/l	98
30) Chloroform	7.37	83	251893	19.66	ug/l	99
31) Cyclohexane	7.65	56	213996	18.50	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	210716	19.31	ug/l	100
36) 1,1-Dichloropropene	7.80	75	181476	18.36	ug/l	99
37) Ethyl Acetate	6.94	43	129107	22.55	ug/l	99
38) Carbon Tetrachloride	7.77	117	187695	19.29	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Manual Integrations
 APPROVED

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Quant Time: Sep 13 08:02:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	193434	17.74	ug/l	97
40) Benzene	8.04	78	576513	19.36	ug/l	100
41) Methacrylonitrile	7.18	41	58082	19.66	ug/l	95
42) 1,2-Dichloroethane	8.13	62	175260	20.19	ug/l	99
43) Isopropyl Acetate	8.17	43	219464	21.73	ug/l	99
44) Trichloroethene	8.84	130	151729	18.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	150237	19.52	ug/l	100
46) Dibromomethane	9.21	93	94271	20.08	ug/l	98
47) Bromodichloromethane	9.40	83	189297	19.83	ug/l	100
48) Methyl methacrylate	9.20	41	102674	20.86	ug/l	99
49) 1,4-Dioxane	9.20	88	33154	429.51	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	637495	114.13	ug/l	100
52) Toluene	10.16	92	358196	19.72	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	180872	18.93	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	216439	19.32	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	135555	20.55	ug/l	97
56) Ethyl methacrylate	10.43	69	166319	20.32	ug/l	98
57) 1,3-Dichloropropane	10.71	76	223246	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	325796	97.43	ug/l	99
59) 2-Hexanone	10.75	43	410676	108.41	ug/l	98
60) Dibromochloromethane	10.90	129	146335	19.68	ug/l	98
61) 1,2-Dibromoethane	11.01	107	130424	20.22	ug/l	99
64) Tetrachloroethene	10.63	164	139945	18.97	ug/l	98
65) Chlorobenzene	11.43	112	377291	18.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	144630	19.71	ug/l	99
67) Ethyl Benzene	11.51	91	626134	18.97	ug/l	99
68) m/p-Xylenes	11.62	106	491550	38.76	ug/l	100
69) o-Xylene	11.95	106	239305	19.49	ug/l	99
70) Styrene	11.97	104	367907	19.31	ug/l	98
71) Bromoform	12.13	173	103810	20.09	ug/l #	99
73) Isopropylbenzene	12.25	105	622427	20.16	ug/l	100
74) N-amyl acetate	12.07	43	159735	20.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	176523	24.09	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	140046m	23.75	ug/l	
77) Bromobenzene	12.53	156	159130	19.19	ug/l	97
78) n-propylbenzene	12.59	91	666734	19.64	ug/l	100
79) 2-Chlorotoluene	12.67	91	416974	19.66	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	500653	20.05	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37192	19.18	ug/l	96
82) 4-Chlorotoluene	12.77	91	402624	19.12	ug/l	100
83) tert-Butylbenzene	12.99	119	426192	19.34	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	507058	20.66	ug/l	100
85) sec-Butylbenzene	13.17	105	553283	19.58	ug/l	99
86) p-Isopropyltoluene	13.29	119	467160	19.49	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	256936	18.26	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	250497	19.40	ug/l	99
89) n-Butylbenzene	13.62	91	326854	17.52	ug/l	99
90) Hexachloroethane	13.88	117	89019	20.03	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	257401	18.77	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22733	21.93	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

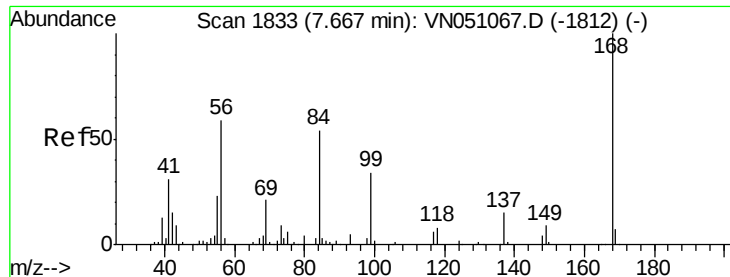
Manual Integrations
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9/13/2018 5:20:06 PM

Quant Time: Sep 13 08:02:18 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	92233	16.79	ug/l	100
94) Hexachlorobutadiene	15.01	225	79094	18.70	ug/l	99
95) Naphthalene	15.13	128	187908	17.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	99641	17.76	ug/l	100

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



#1

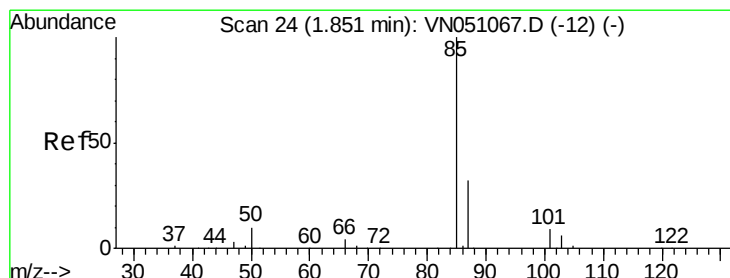
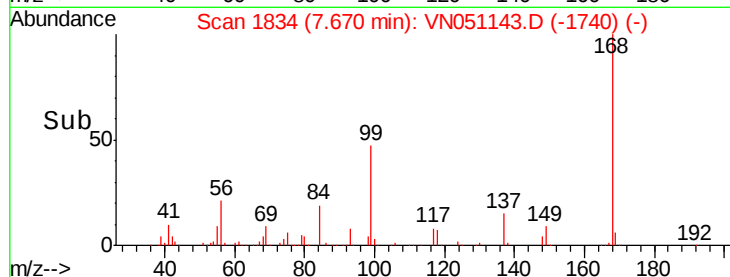
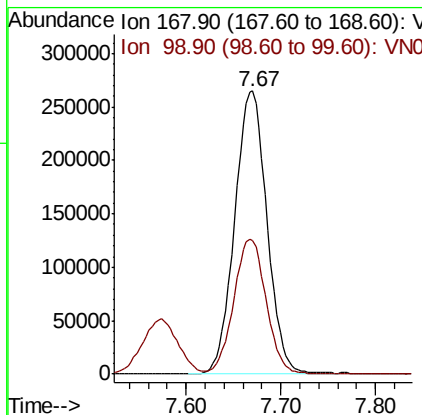
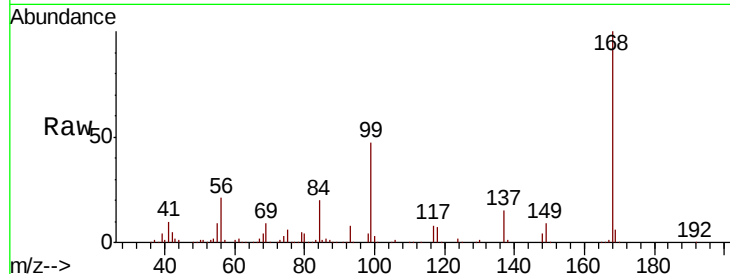
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	46.9	38.3	57.5

Manual Integrations
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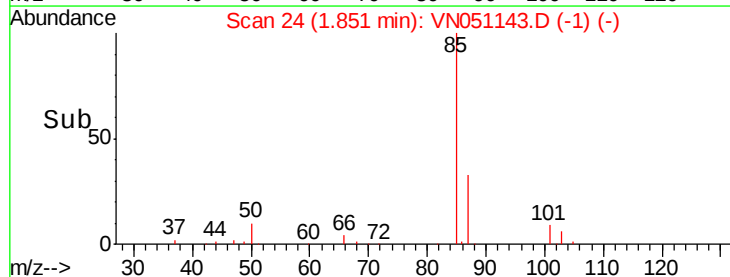
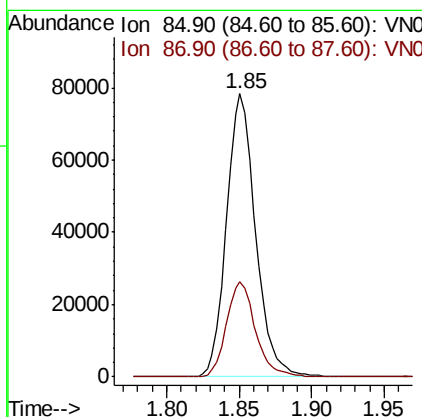
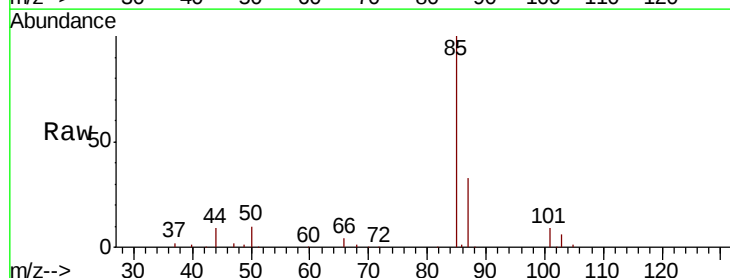
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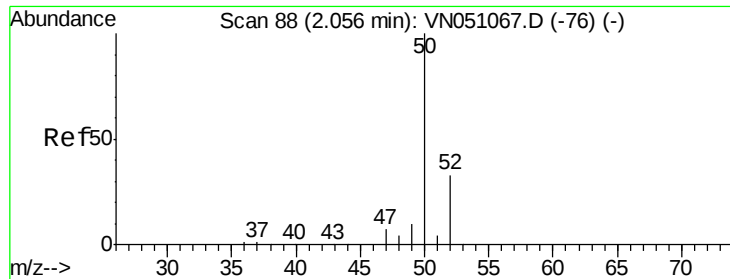


#2

Dichlorodifluoromethane
 Concen: 17.93 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.4	15.9	47.6





#3

Chloromethane

Concen: 18.15 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tot Ion: 50 Resp: 144877

Ion Ratio Lower Upper

50 100

52 33.4 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

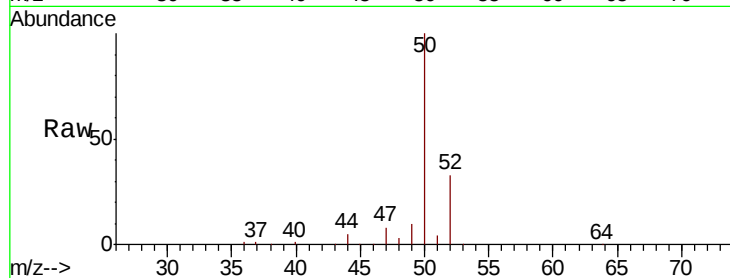
VN0912WBSD01

Manual Integrations

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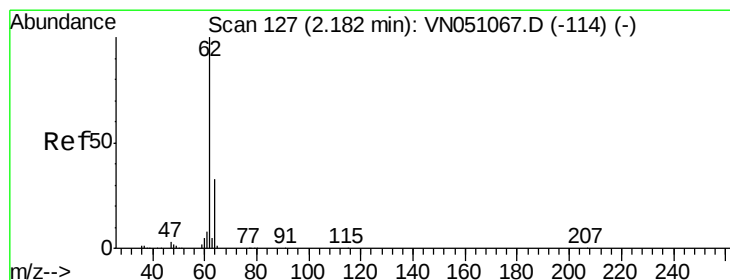
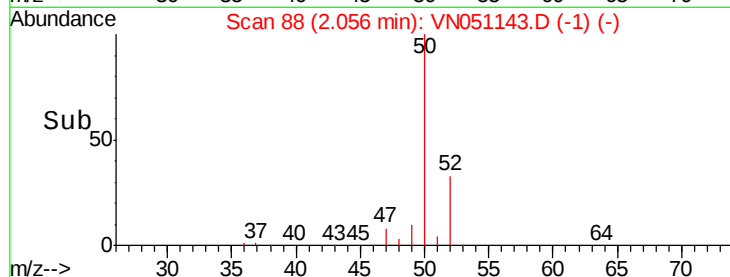
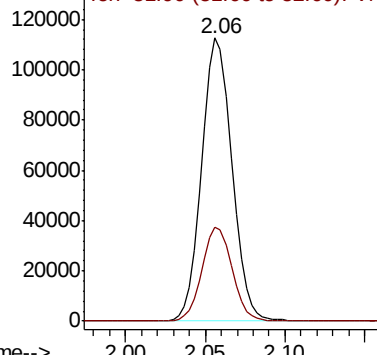
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.10 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051143.D

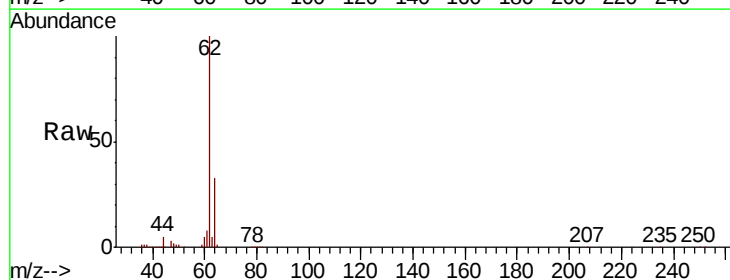
Acq: 12 Sep 2018 11:17

Tgt Ion: 62 Resp: 150718

Ion Ratio Lower Upper

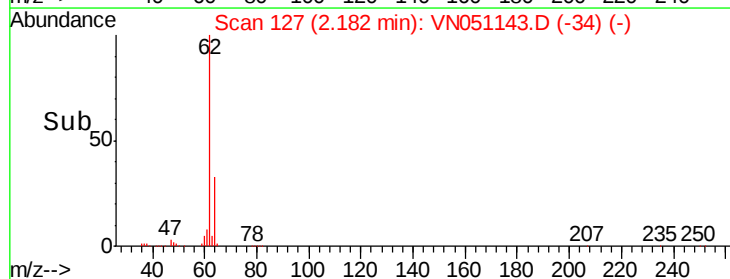
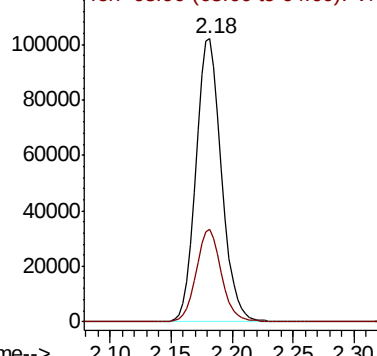
62 100

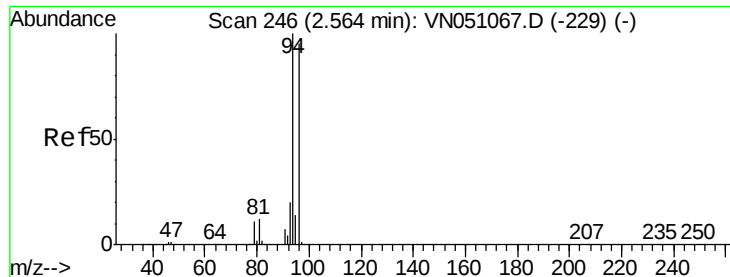
64 32.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 16.24 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 94 Resp: 79438

Ion Ratio Lower Upper

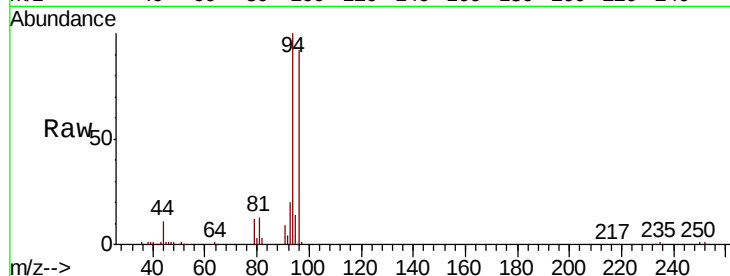
94 100

96 91.2 75.9 113.9

Manual Integrations
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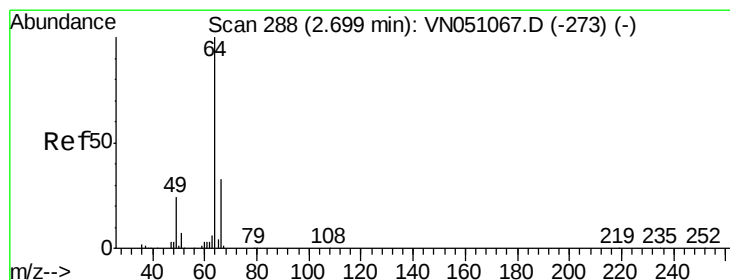
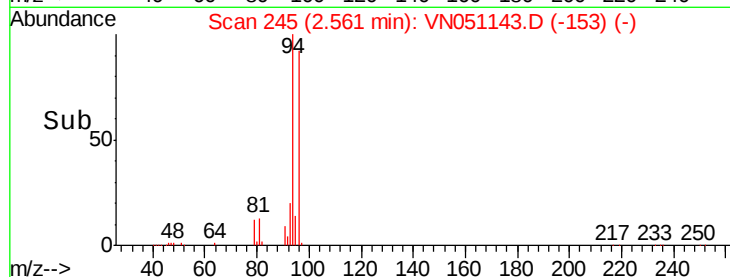
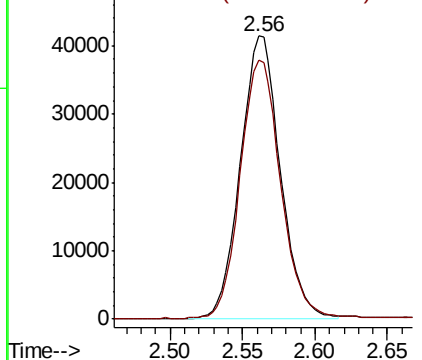
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.65 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.00 min

Lab File: VN051143.D

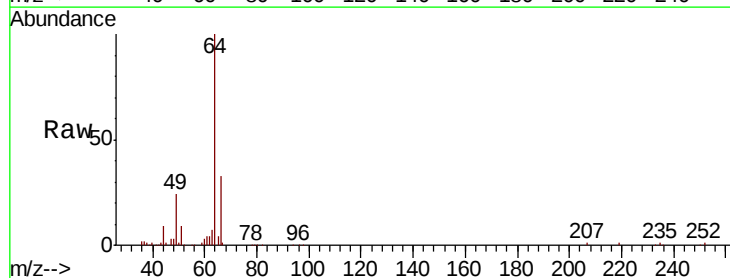
Acq: 12 Sep 2018 11:17

Tgt Ion: 64 Resp: 90739

Ion Ratio Lower Upper

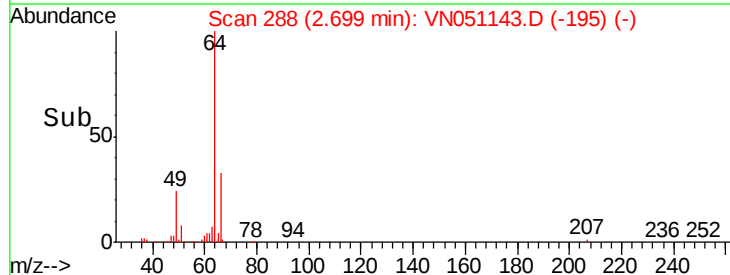
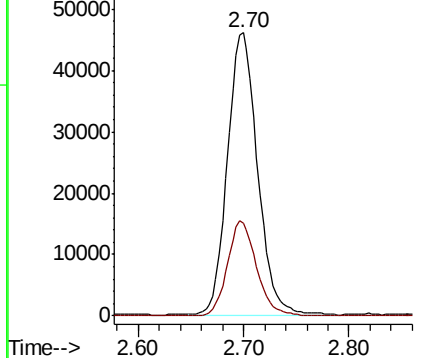
64 100

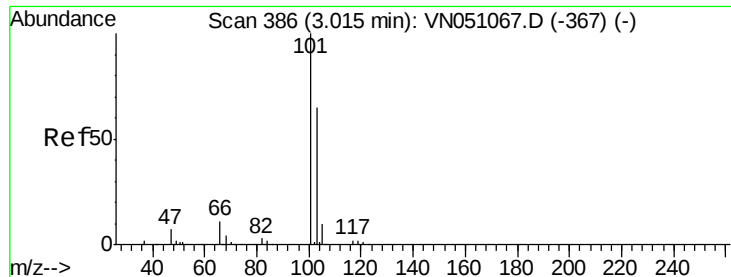
66 33.1 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

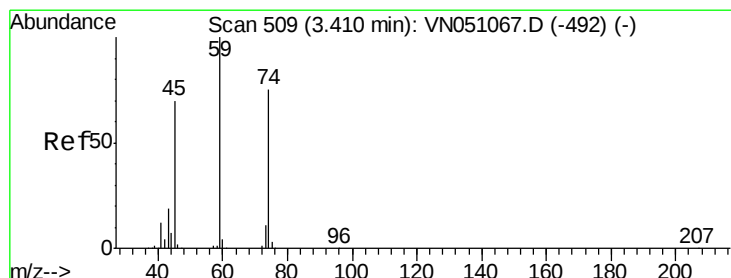
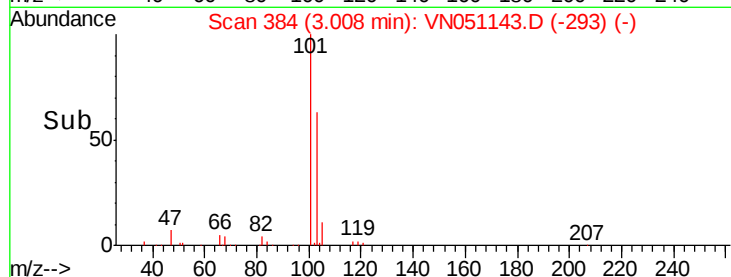
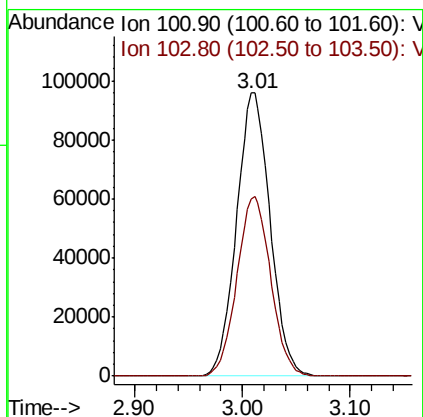
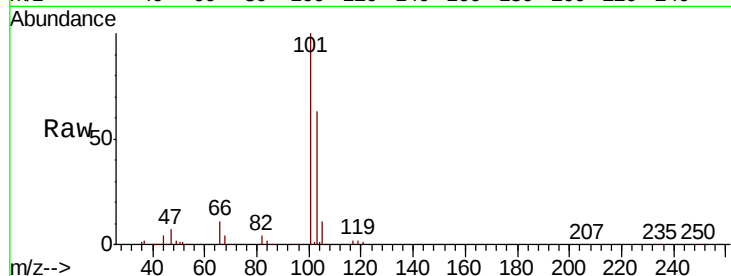
Trichlorofluoromethane
 Concen: 18.85 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.4	78.6

Manual Integrations
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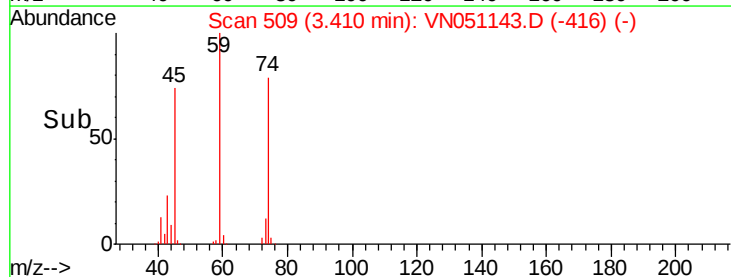
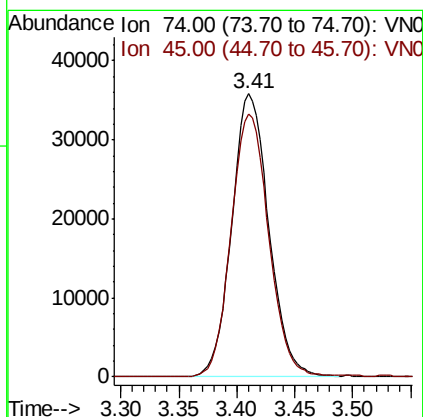
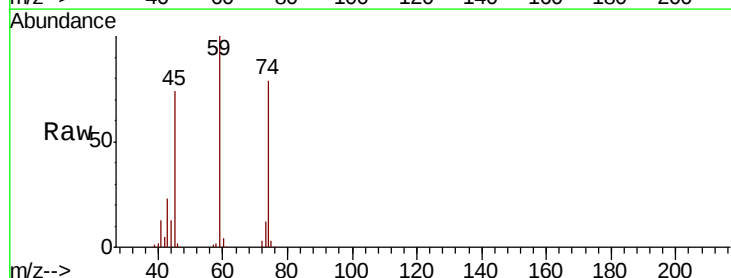
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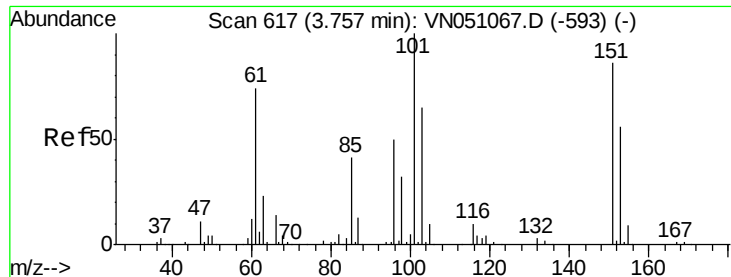


#8

Diethyl Ether
 Concen: 19.59 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.59 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

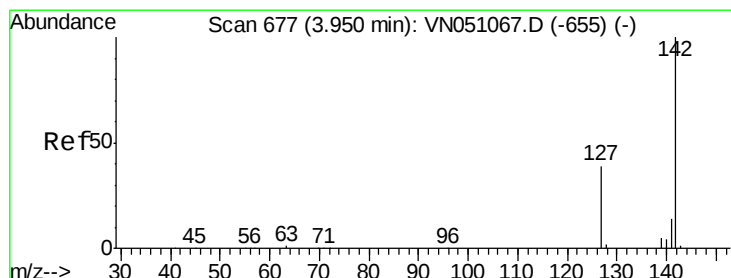
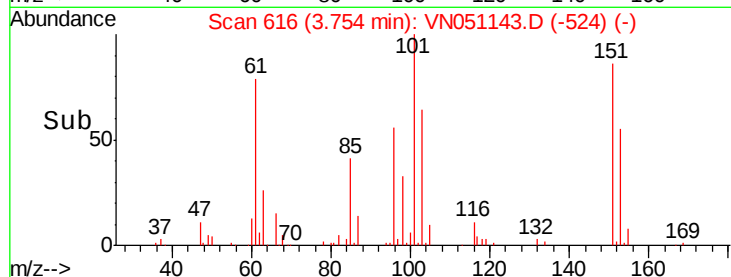
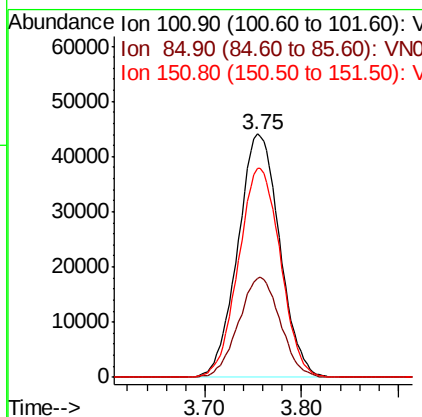
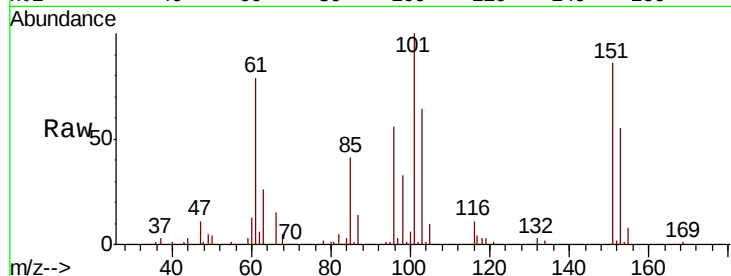
ClientSampleId :

VN0912WBSD01

Tot Ion:	101	Resp:	132202
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.3	49.9
151	86.0	68.2	102.2

Manual Integrations
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#10

Methyl Iodide

Concen: 16.42 ug/l

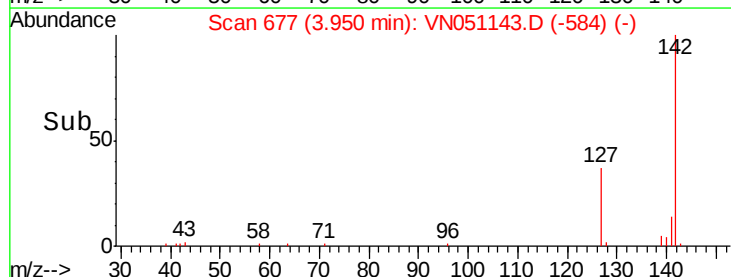
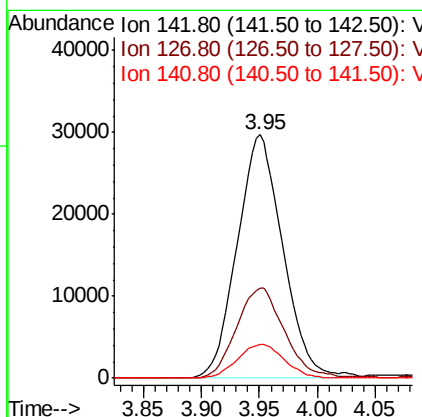
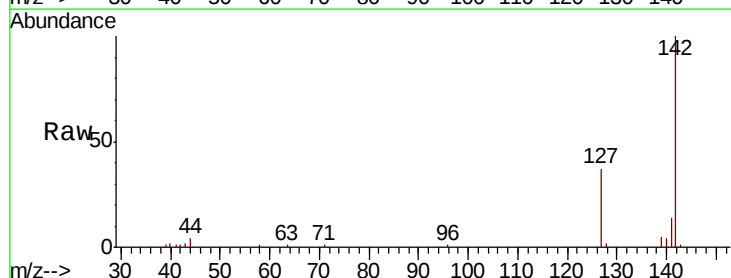
RT: 3.95 min Scan# 677

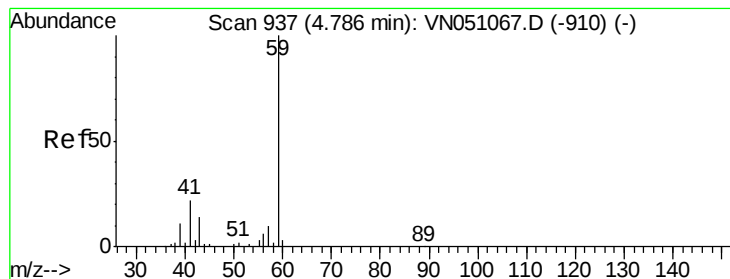
Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	142	Resp:	80913
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.3	11.3	16.9





#11

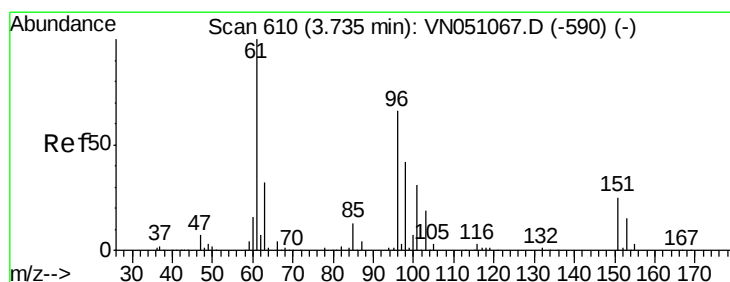
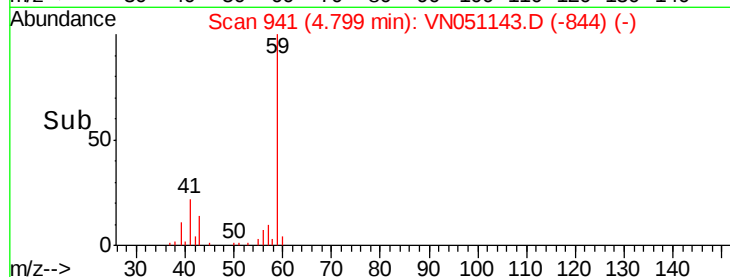
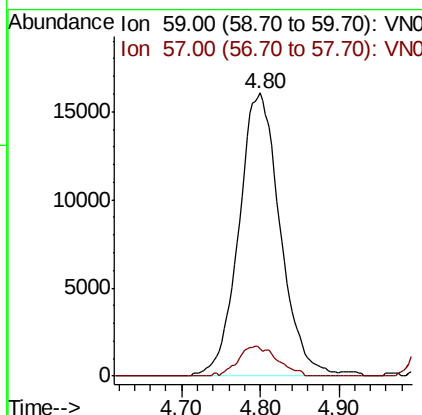
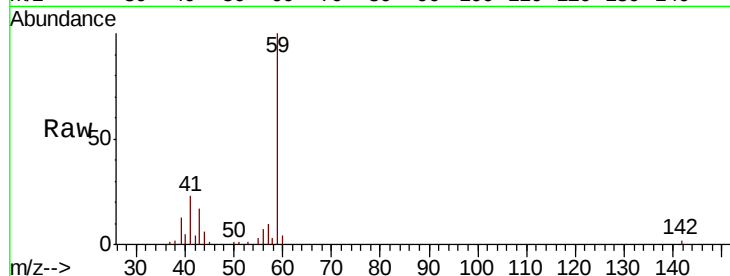
Tert butyl alcohol
 Concen: 110.73 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.1	12.1

Manual Integrations
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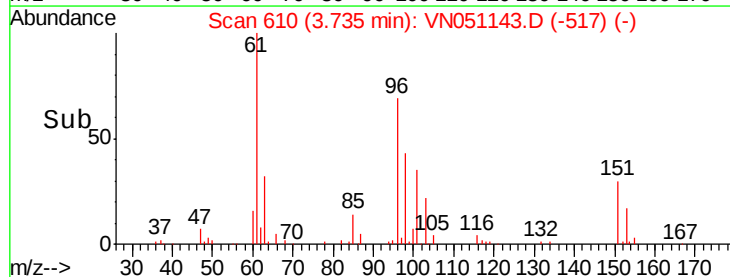
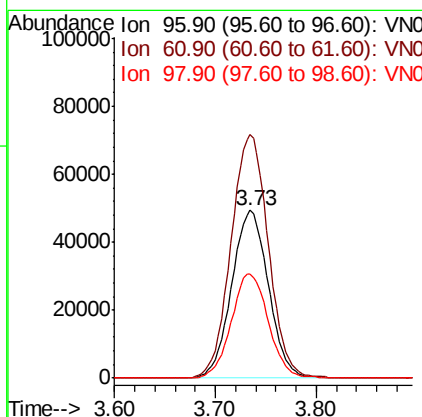
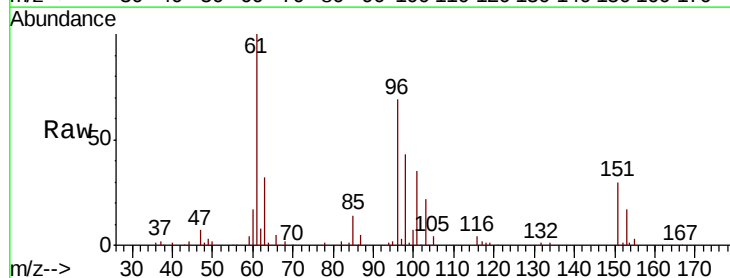
MMDadoda
 9/13/2018 5:20:06 PM

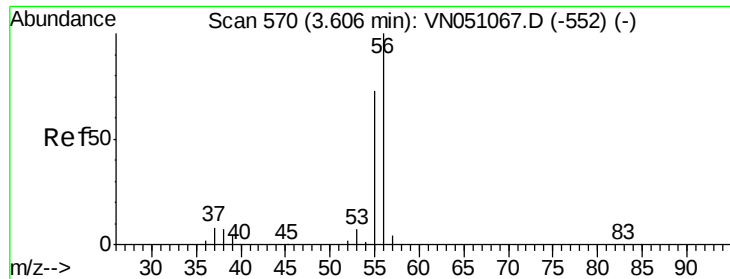


#12

1,1-Dichloroethene
 Concen: 18.62 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.2	120.3	180.5
98	62.0	50.8	76.2





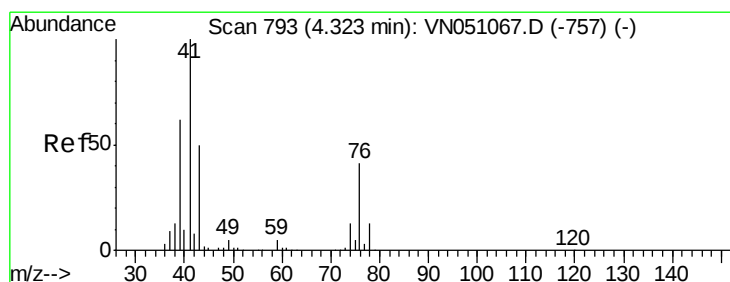
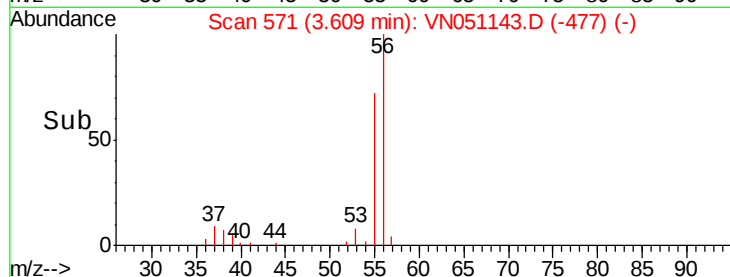
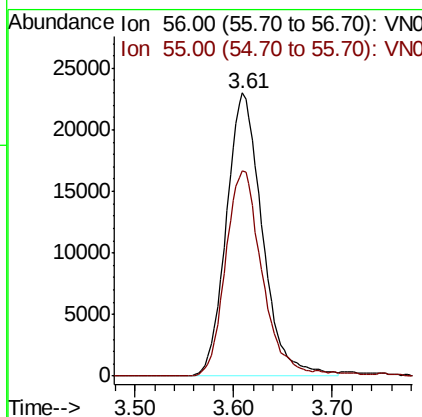
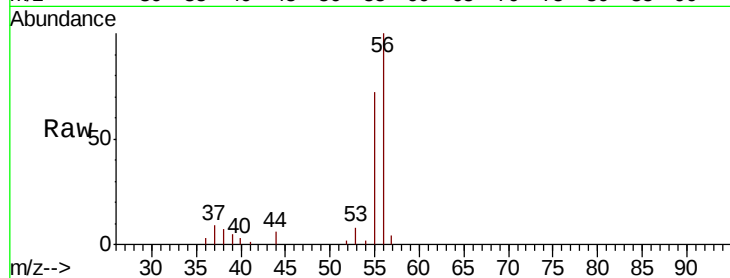
#13
Acrolein
Concen: 105.08 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.9	58.0	87.0

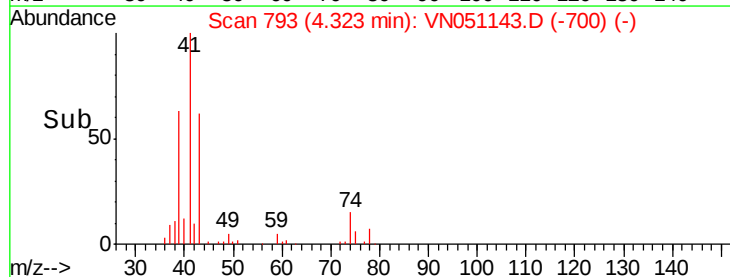
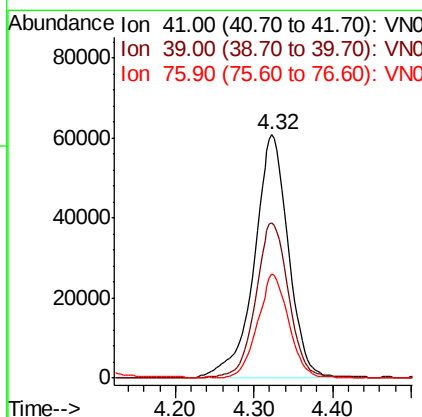
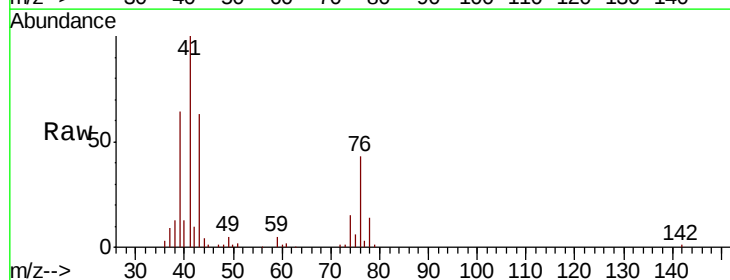
Manual Integrations
APPROVED

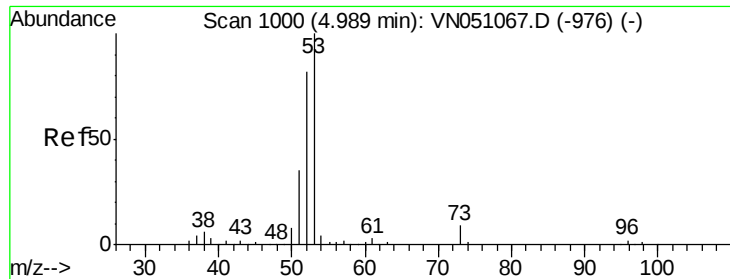
MMDadoda
9/13/2018 5:20:06 PM



#14
Allyl chloride
Concen: 18.21 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.5	48.8	73.2
76	39.1	30.6	45.8





#15

Acrylonitrile

Concen: 107.08 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

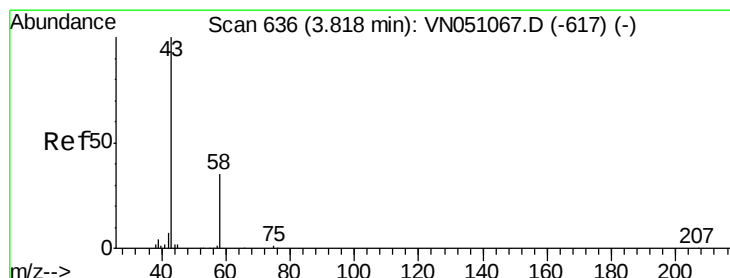
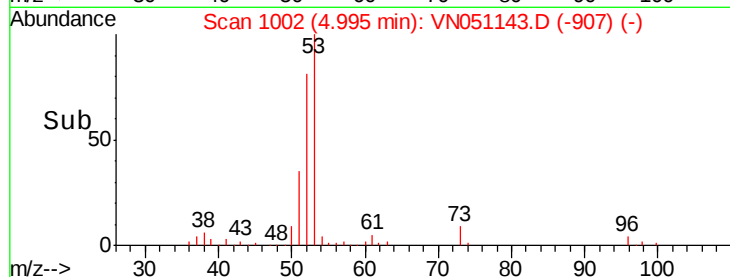
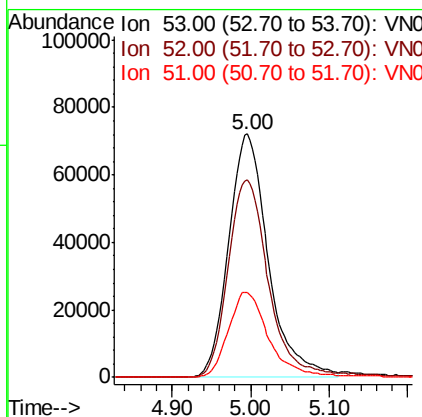
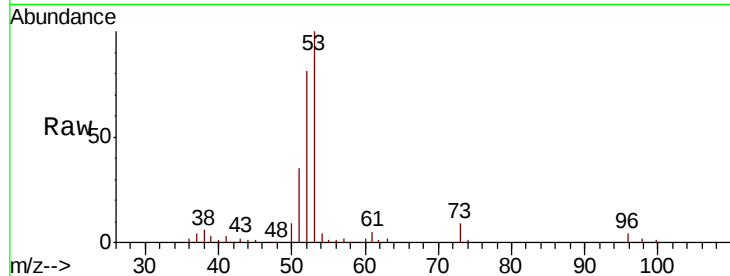
ClientSampleId :

VN0912WBSD01

Tot Ion:	53	Resp:	253730
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.3	97.9
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 101.38 ug/l

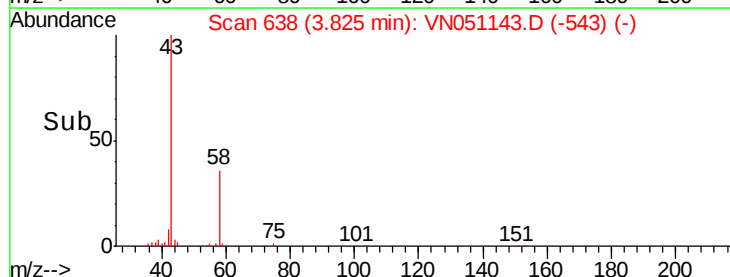
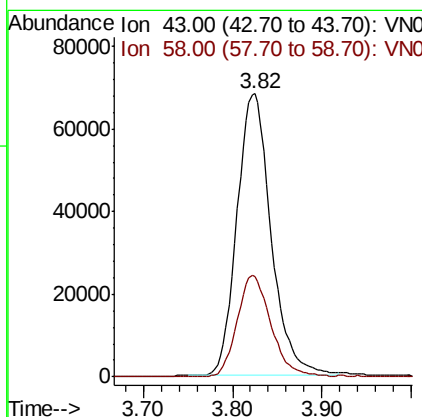
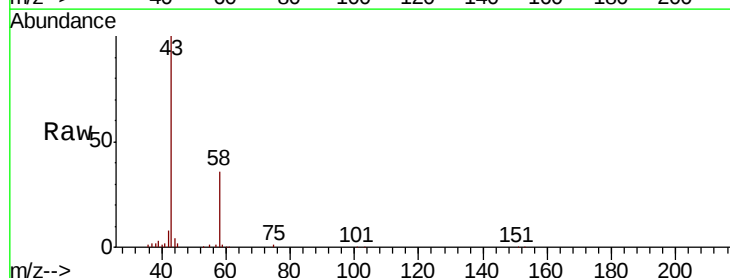
RT: 3.82 min Scan# 638

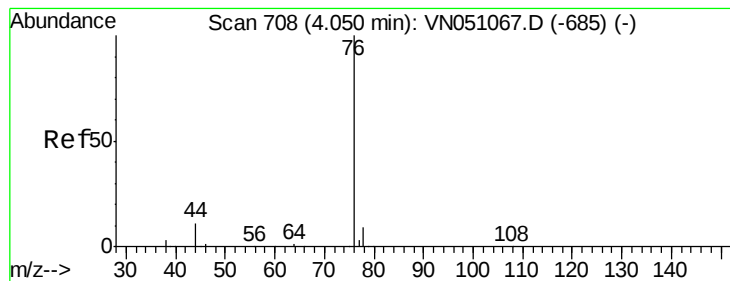
Delta R.T. 0.01 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	43	Resp:	181503
Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.8	41.6





#17

Carbon Disulfide

Concen: 18.07 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 76 Resp: 355982

Ion Ratio Lower Upper

76 100

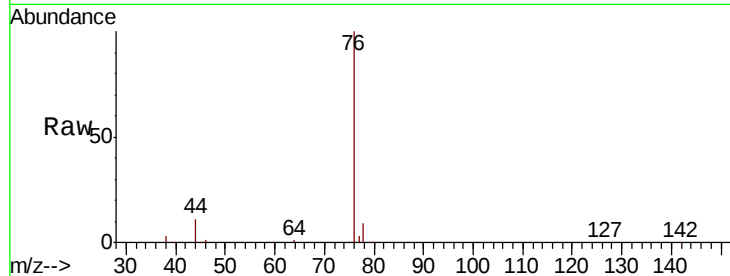
78 8.9 7.0 10.6

Manual Integrations

APPROVED

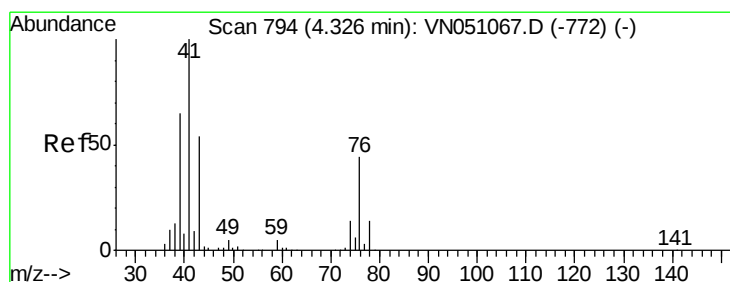
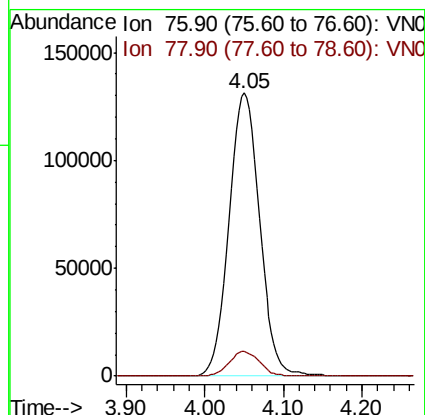
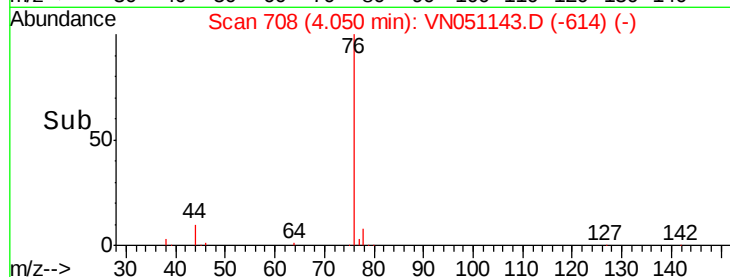
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN051143.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN051143.D (-614) (-)



#18

Methyl Acetate

Concen: 21.34 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051143.D

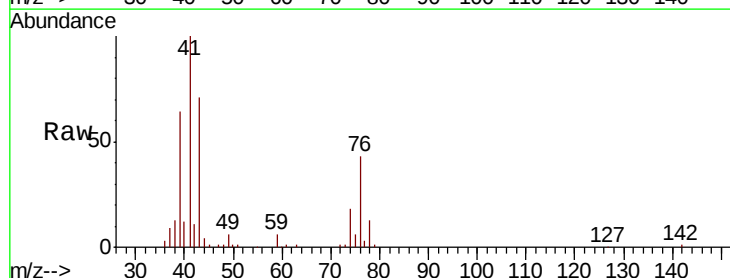
Acq: 12 Sep 2018 11:17

Tgt Ion: 43 Resp: 119612

Ion Ratio Lower Upper

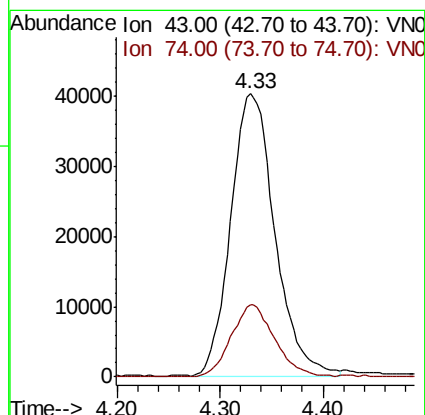
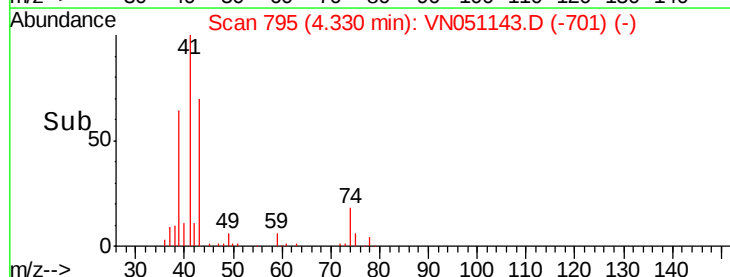
43 100

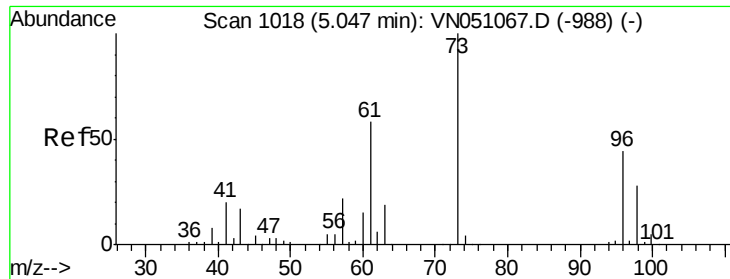
74 25.1 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN051143.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN051143.D (-701) (-)





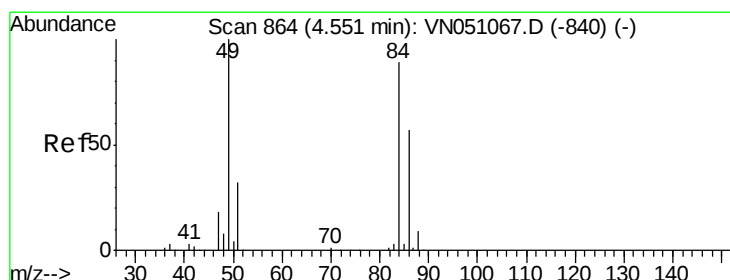
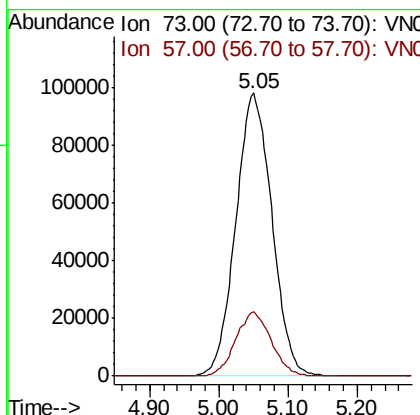
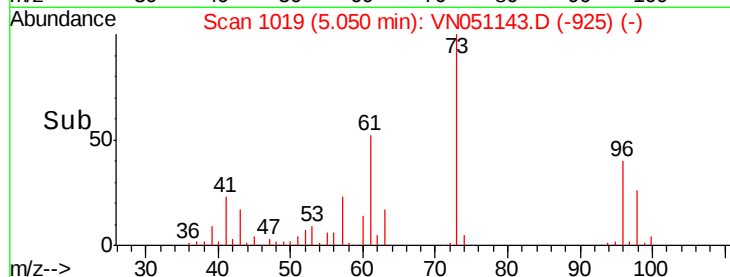
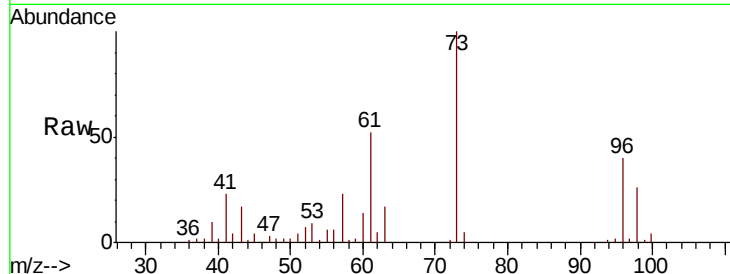
#19
Methvl tert-butvl Ether
Concen: 20.09 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion: 73 Resp: 356467
Ion Ratio Lower Upper
73 100
57 23.0 17.9 26.9

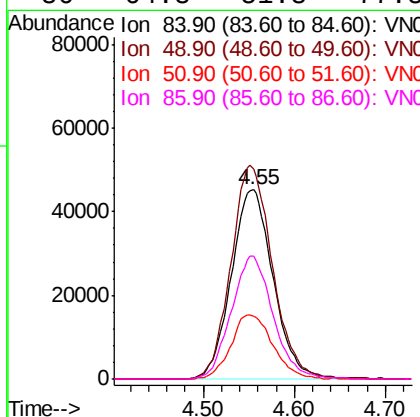
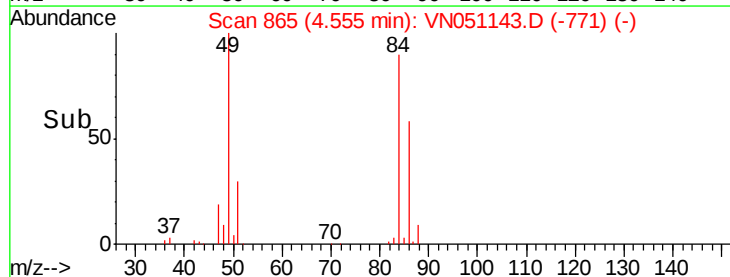
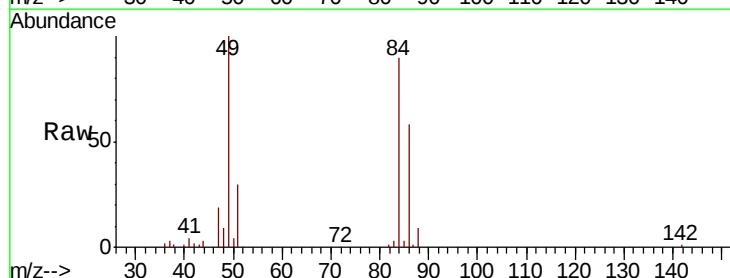
Manual Integrations
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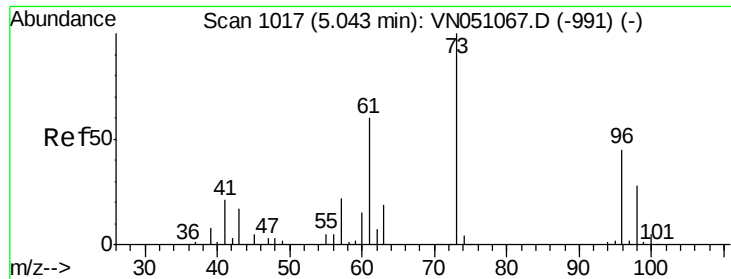
MMDadoda
9/13/2018 5:20:06 PM



#20
Methylene Chloride
Concen: 18.66 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion: 84 Resp: 144314
Ion Ratio Lower Upper
84 100
49 111.0 90.2 135.2
51 33.5 28.4 42.6
86 64.8 51.8 77.8





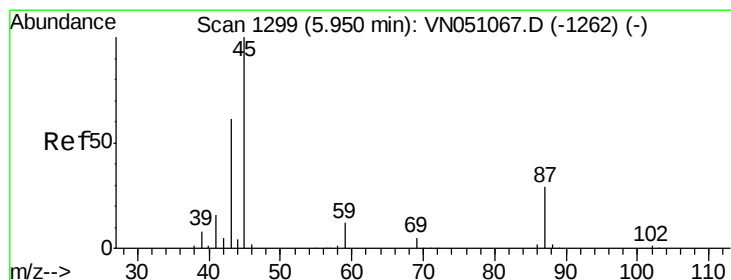
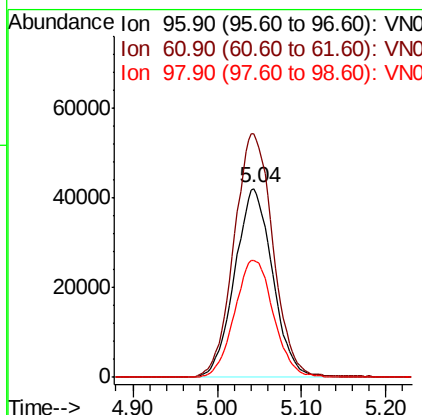
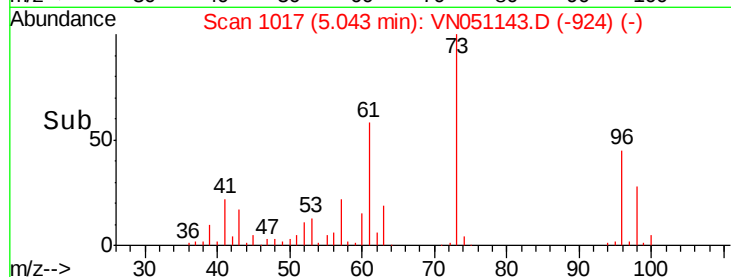
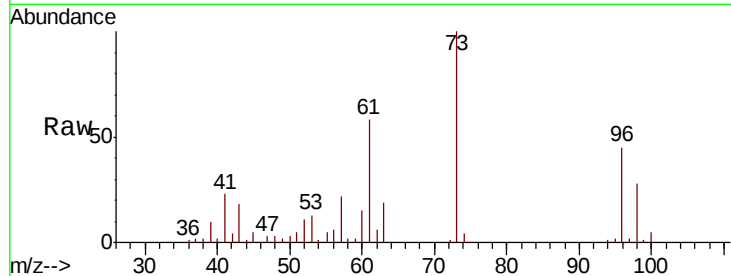
#21
trans-1,2-Dichloroethene
Concen: 18.09 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	106.5	159.7
98	62.1	50.4	75.6

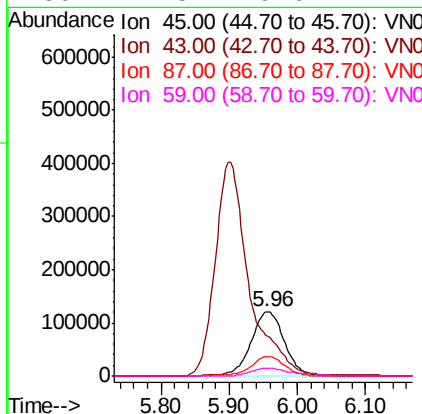
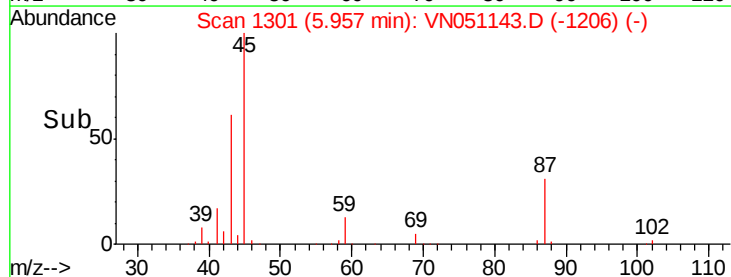
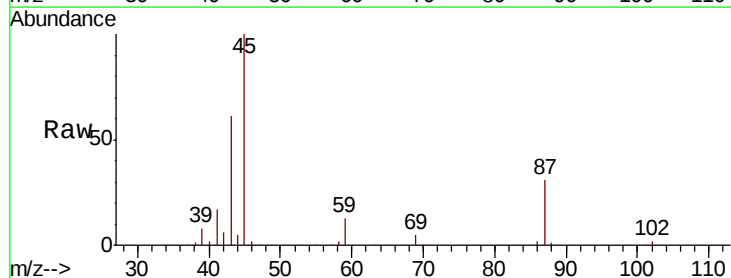
Manual Integrations
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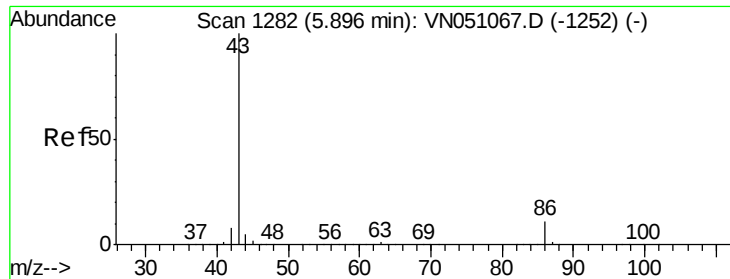
MMDadoda
9/13/2018 5:20:06 PM



#22
Diisopropyl ether
Concen: 20.16 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.8	73.2
87	30.7	23.8	35.8
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 101.48 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleID :

VN0912WBSD01

Tot Ion: 43 Resp: 1393674

Ion Ratio Lower Upper

43 100

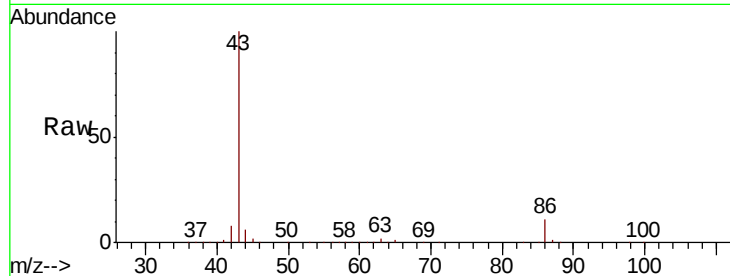
86 11.3 9.2 13.8

Manual Integrations

APPROVED

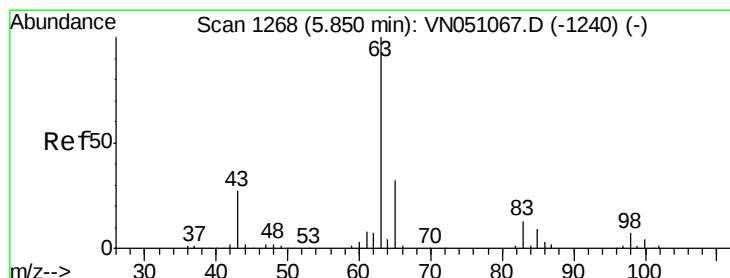
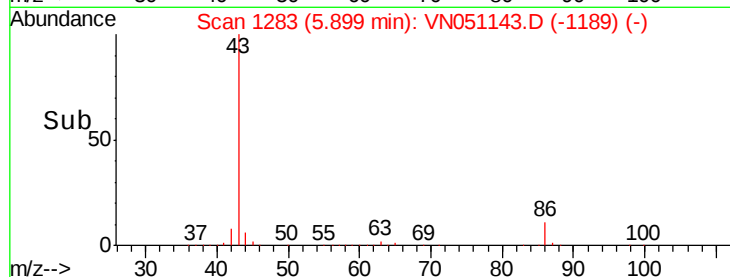
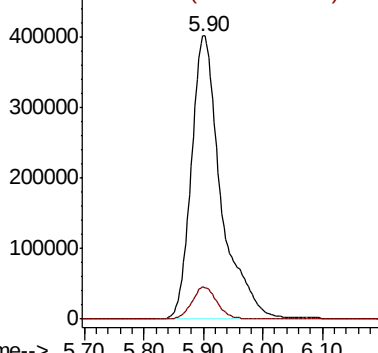
MMDadoda

9/13/2018 5:20:06 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.08 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

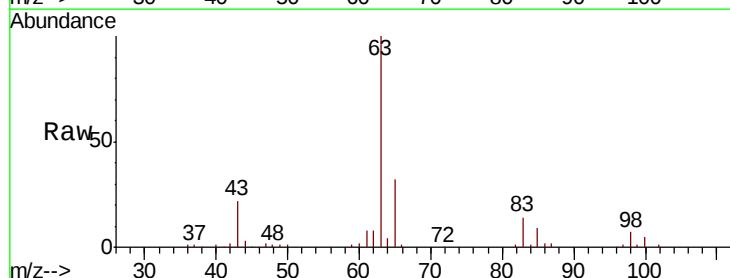
Tgt Ion: 63 Resp: 245668

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

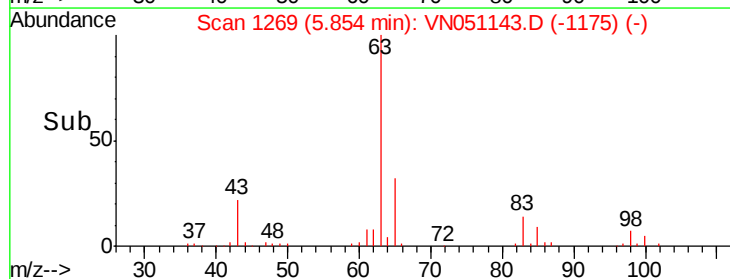
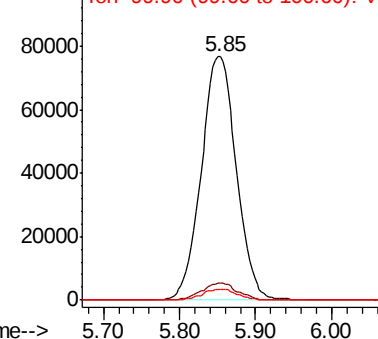
100 4.5 2.1 6.3

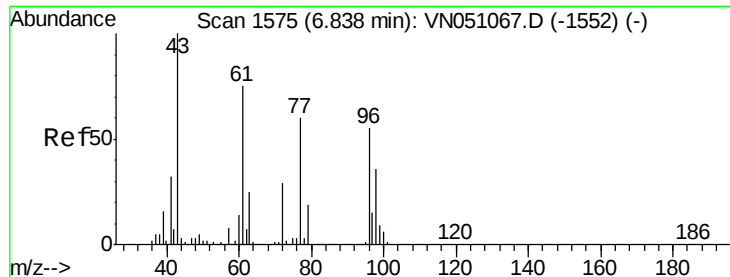


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





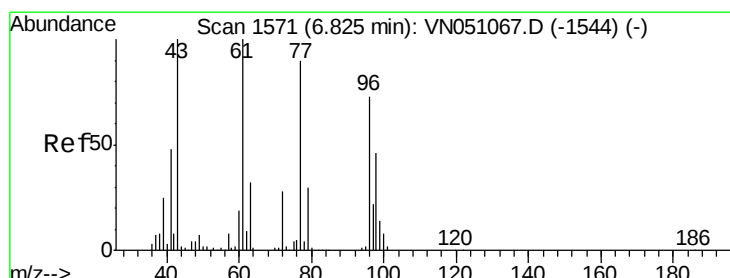
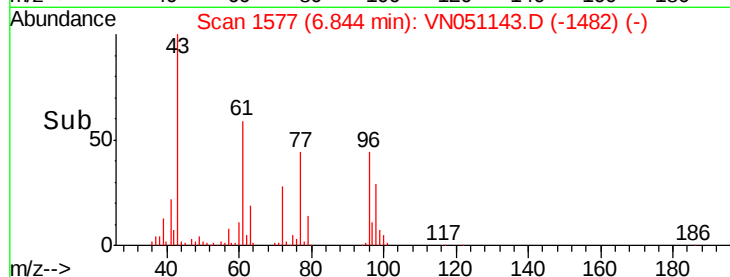
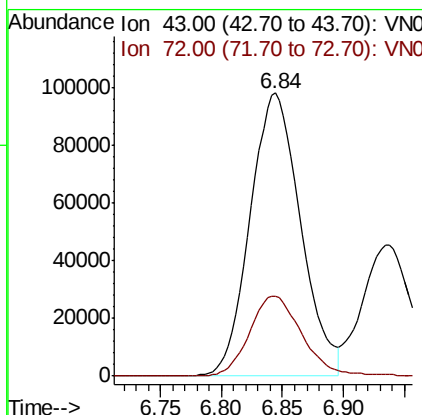
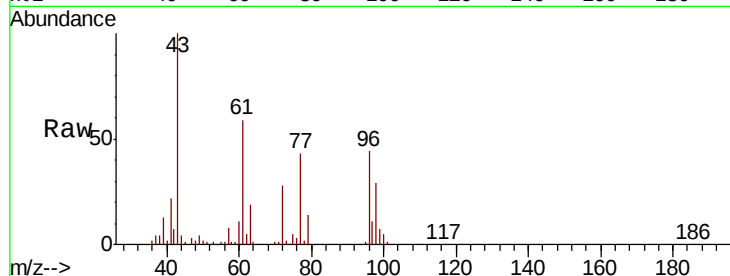
#25
2-Butanone
Concen: 102.15 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion: 43 Resp: 281181
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6

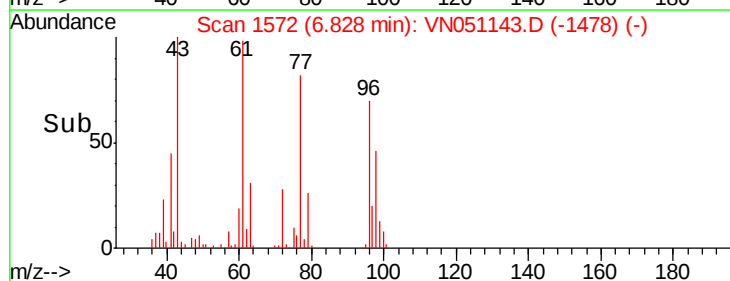
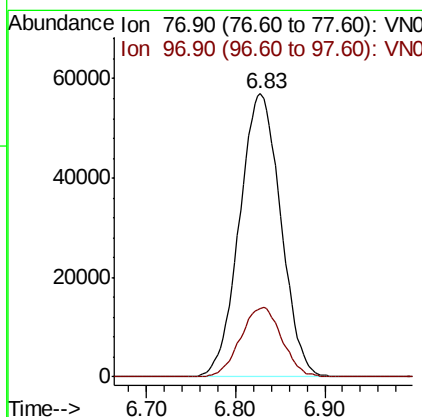
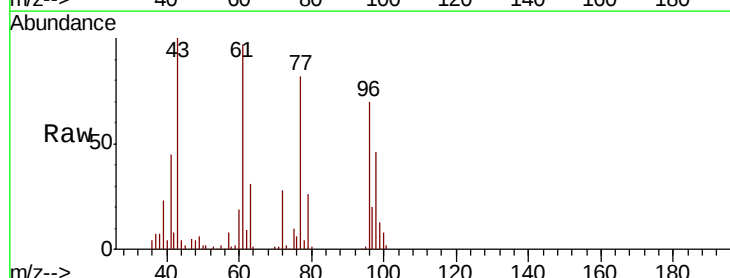
Manual Integrations
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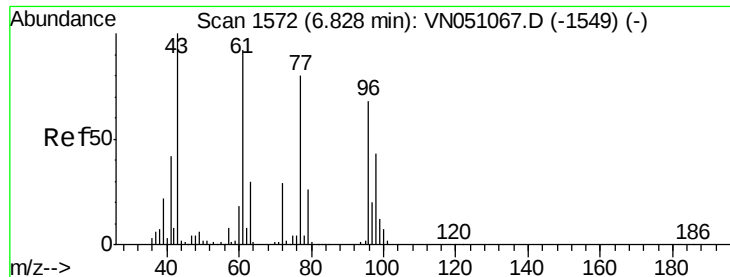
MMDadoda
9/13/2018 5:20:06 PM



#26
2,2-Dichloropropane
Concen: 17.37 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion: 77 Resp: 183082
Ion Ratio Lower Upper
77 100
97 24.5 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

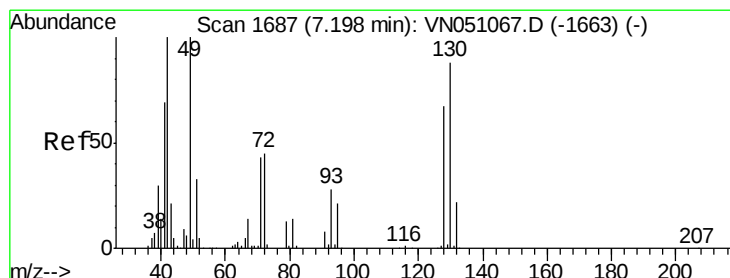
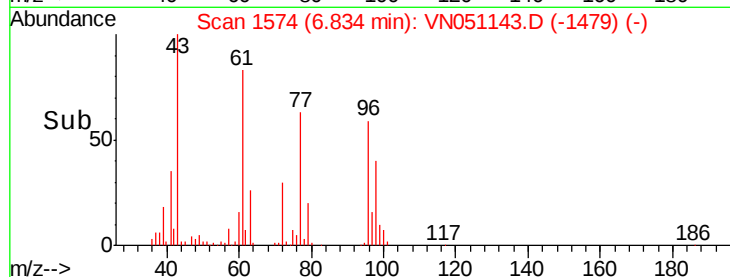
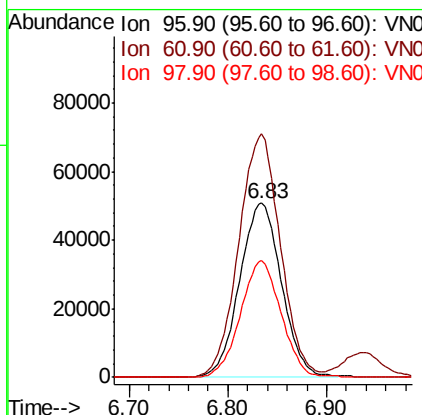
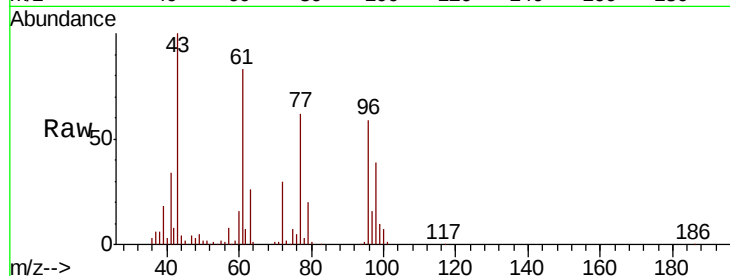
ClientSampleId :

VN0912WBSD01

Tot Ion:	96	Resp:	149159
Ion	Ratio	Lower	Upper
96	100		
61	139.0	0.0	278.2
98	65.1	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.99 ug/l

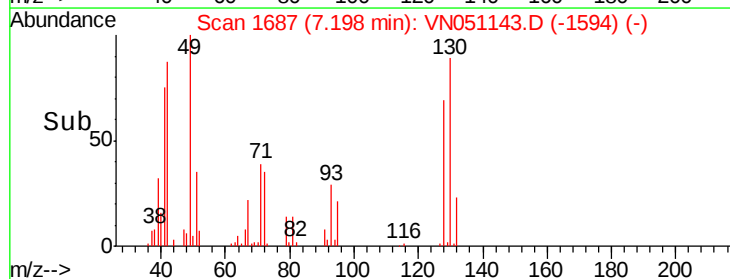
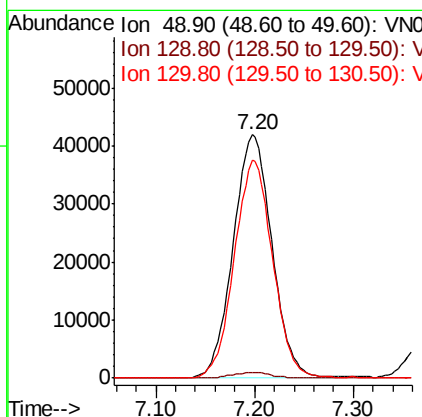
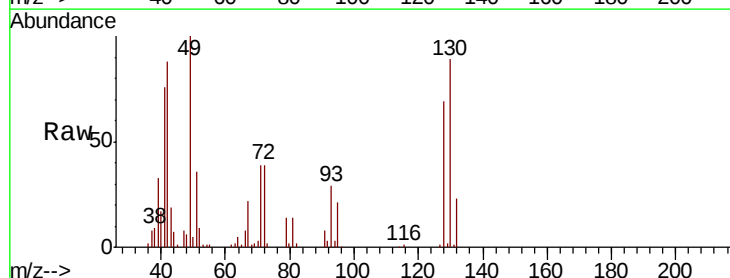
RT: 7.20 min Scan# 1687

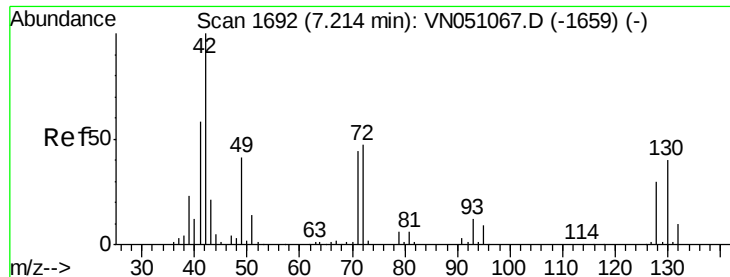
Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	49	Resp:	114558
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	88.3	70.7	106.1





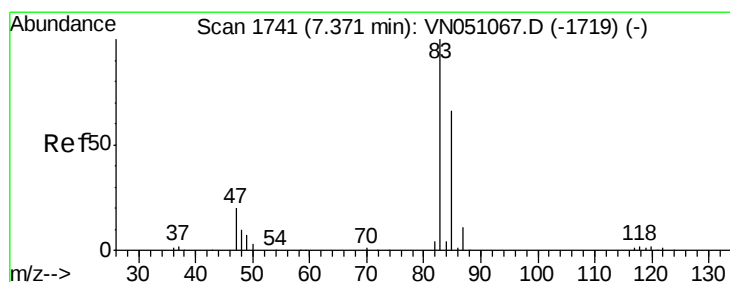
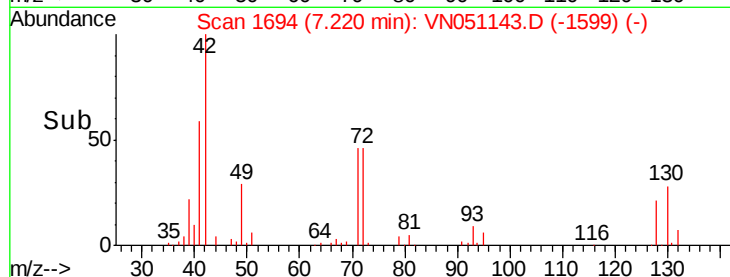
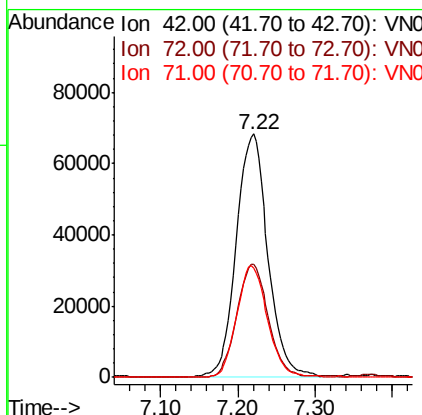
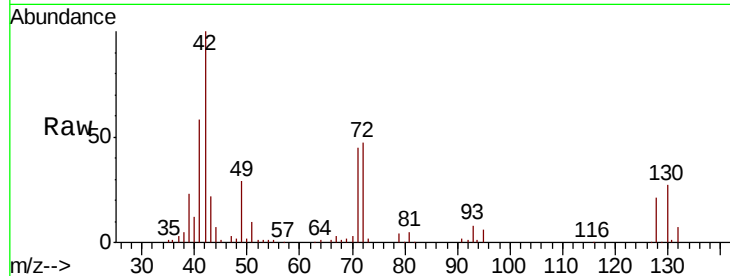
#29
Tetrahydrofuran
Concen: 112.05 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	37.4	56.0
71	45.1	34.7	52.1

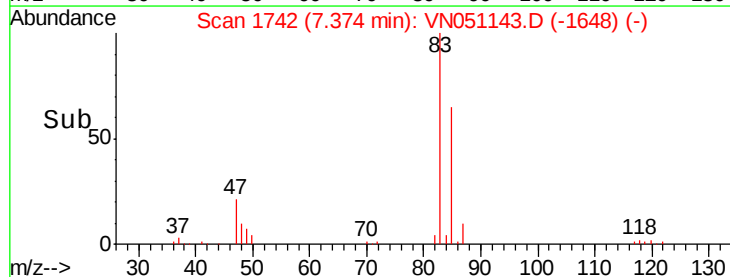
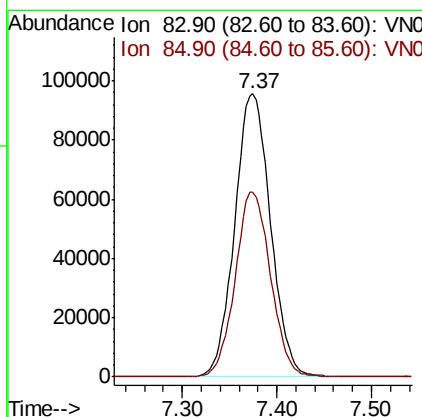
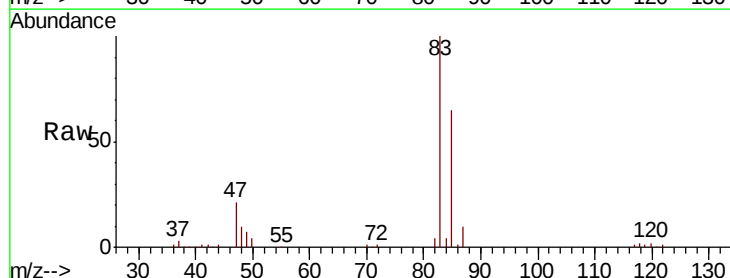
Manual Integrations
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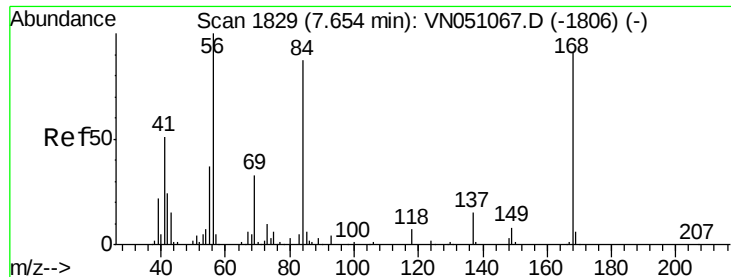
MMDadoda
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#30
Chloroform
Concen: 19.66 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	79.0





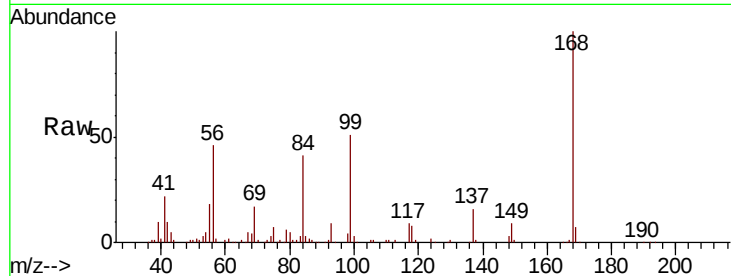
#31
Cyclohexane
Concen: 18.50 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

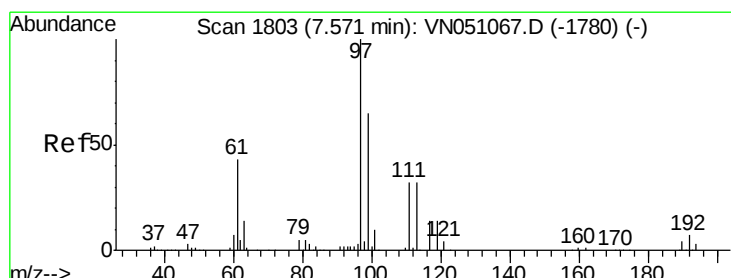
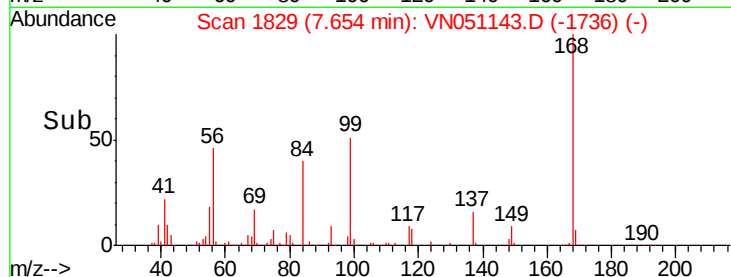
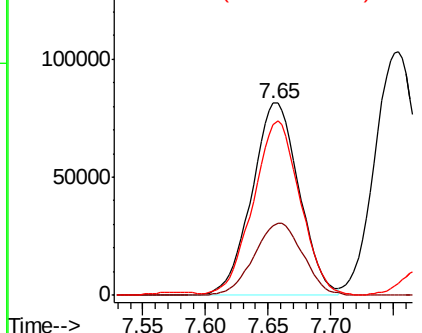
Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.3	39.5
84	87.3	69.4	104.0

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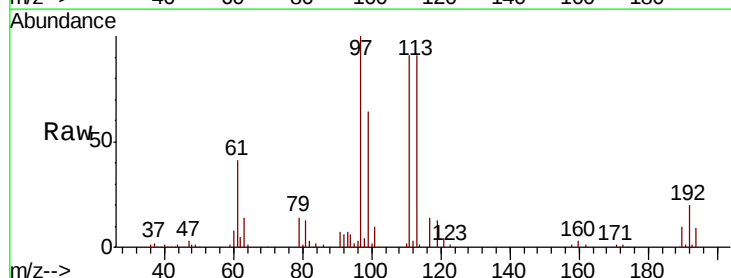


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

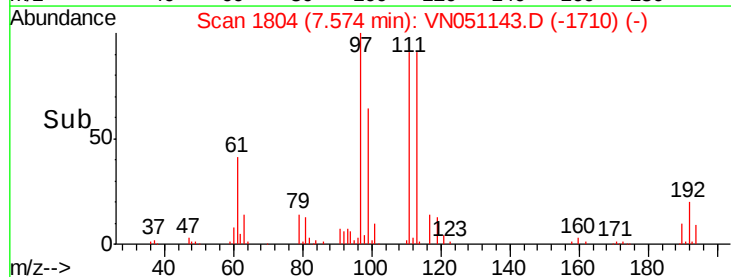
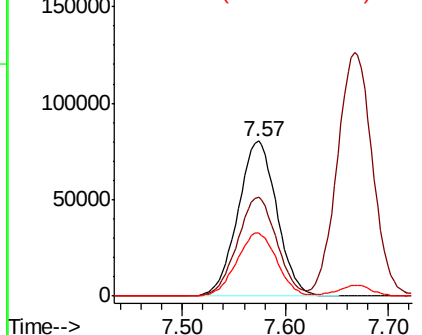


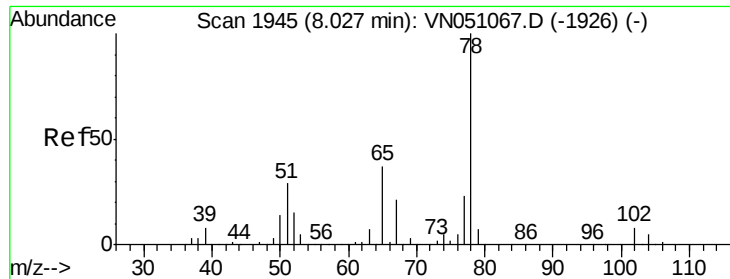
#32
1,1,1-Trichloroethane
Concen: 19.31 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	42.0	33.8	50.6



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





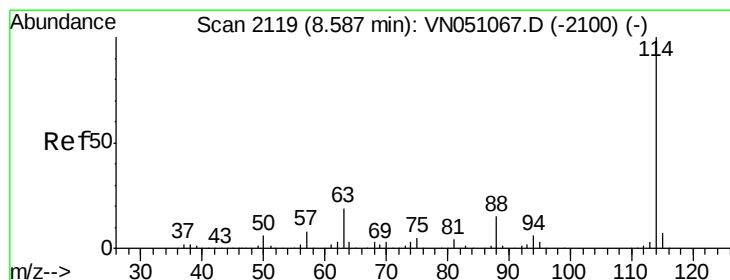
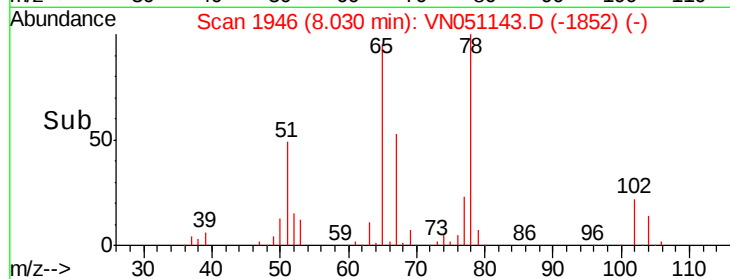
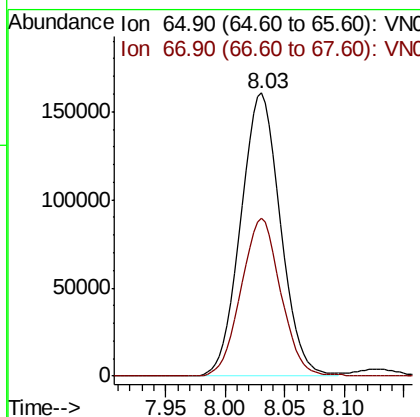
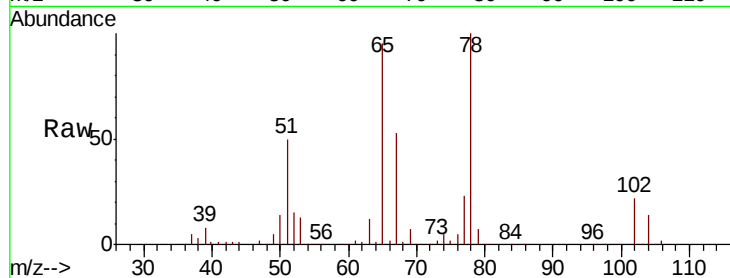
#33
 1,2-Dichloroethane-d4
 Concen: 53.04 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	371301		
67	55.7	0.0	112.0	

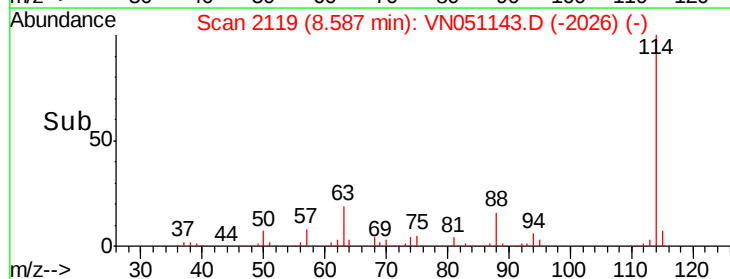
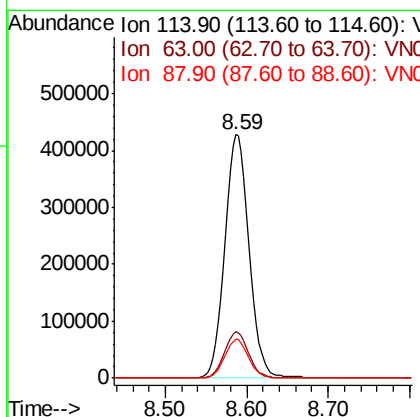
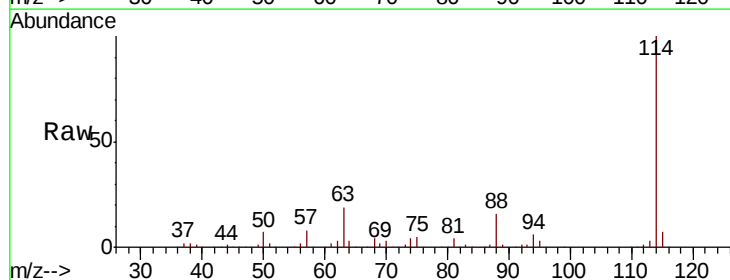
Manual Integrations
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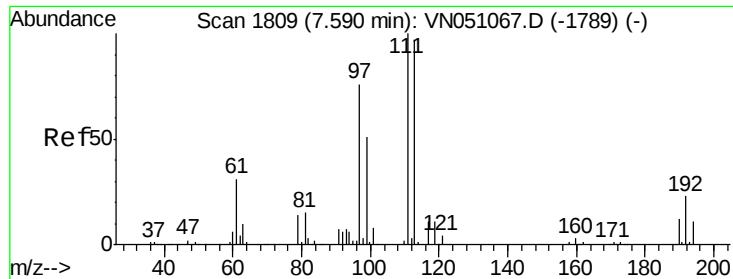
MMDadoda
 9/13/2018 5:20:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	900283		
63	18.9	0.0	37.8	
88	15.9	0.0	30.8	





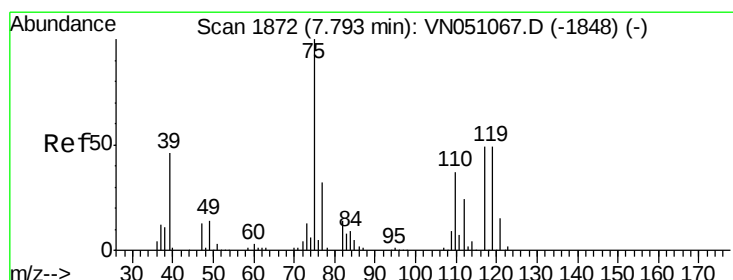
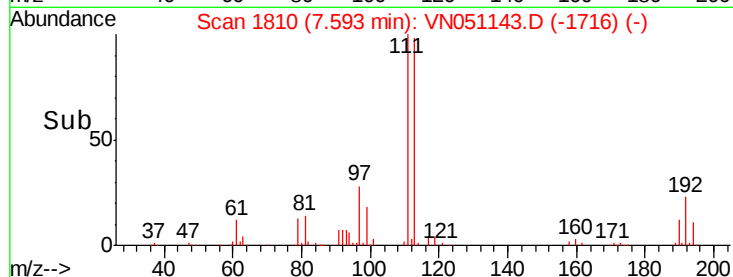
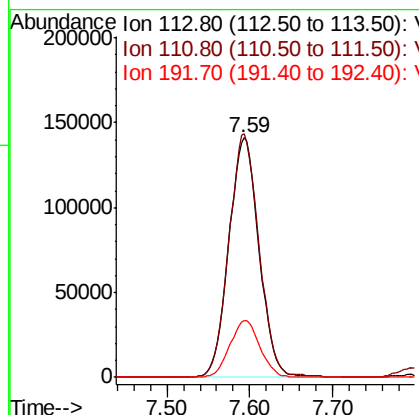
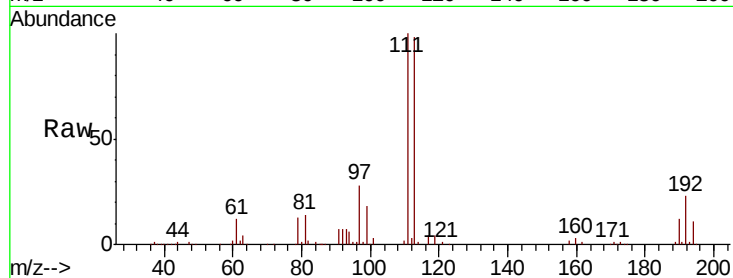
#35
 Dibromofluoromethane
 Concen: 52.86 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357575		
111	100.7	83.0	124.6	
192	23.5	18.7	28.1	

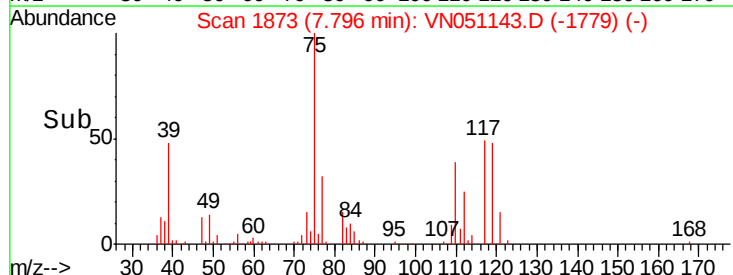
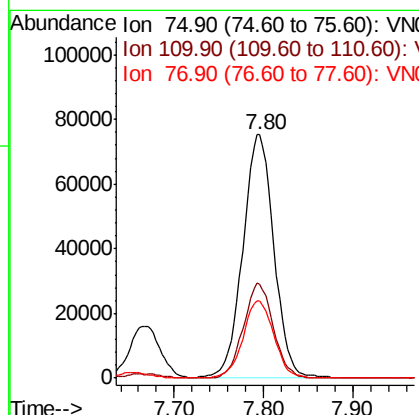
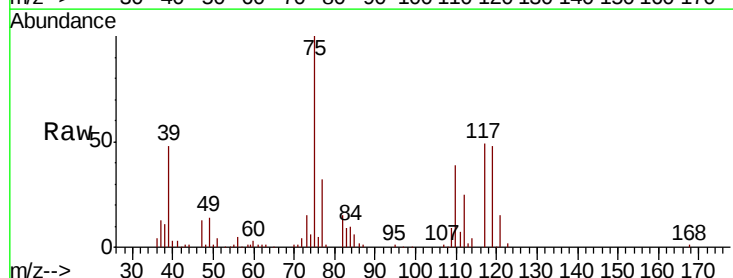
Manual Integrations
 APPROVED

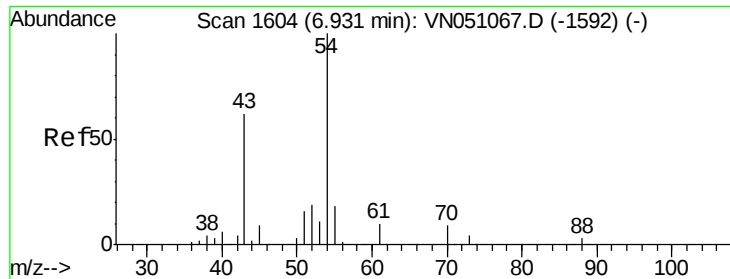
MMDadoda
 9/13/2018 5:20:06 PM



#36
 1,1-Dichloropropene
 Concen: 18.36 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	181476		
110	37.8	18.6	55.8	
77	31.9	25.2	37.8	





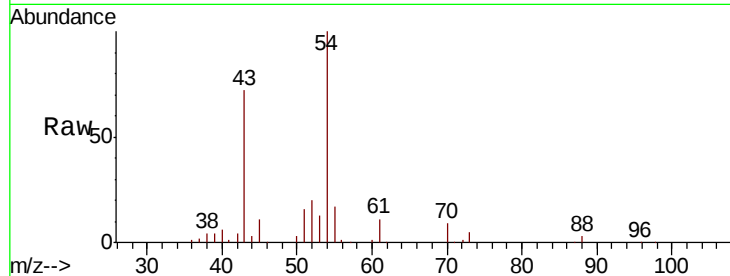
#37
Ethyl Acetate
Concen: 22.55 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.4	18.6
70	12.2	9.3	13.9

Manual Integrations
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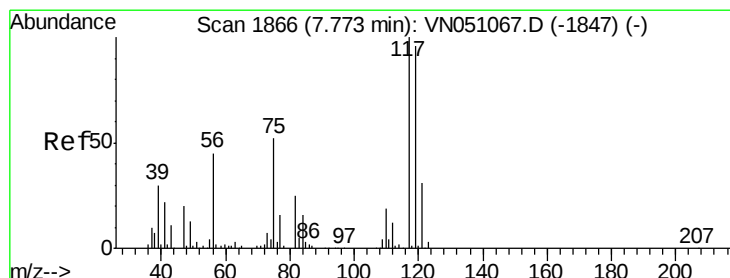
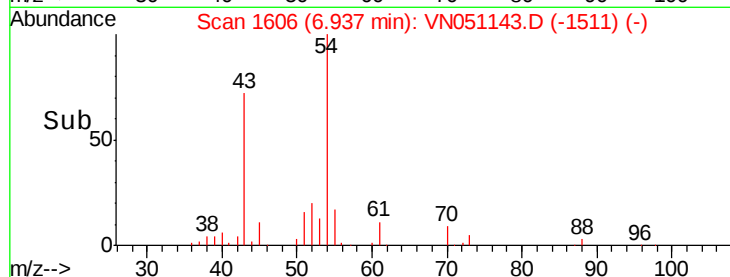
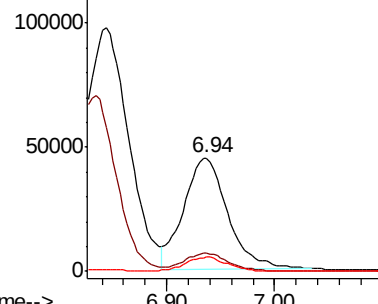


Abundance

Ion 43.00 (42.70 to 43.70): VN051067.D (-1592) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1592) (-)

Ion 70.00 (69.70 to 70.70): VN051067.D (-1592) (-)



#38
Carbon Tetrachloride
Concen: 19.29 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

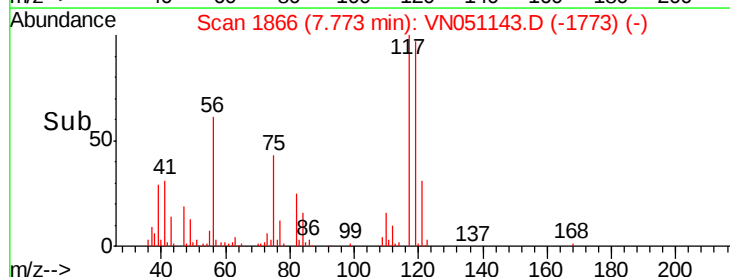
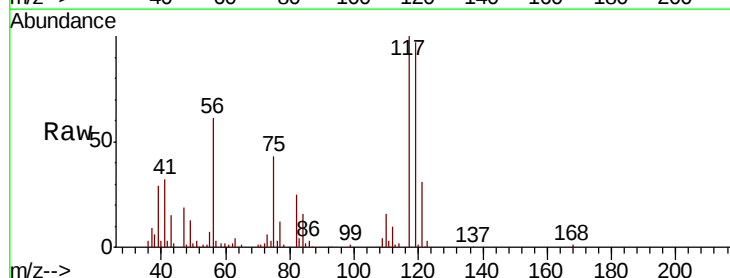
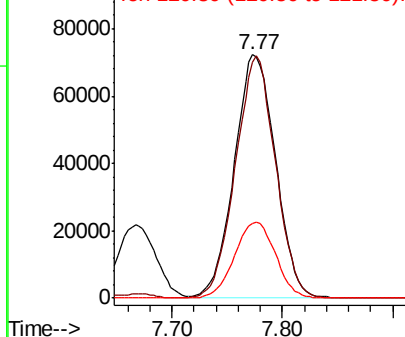
Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.8	115.2
121	30.7	24.6	36.8

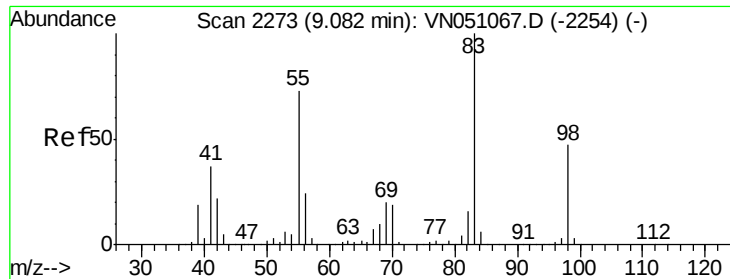
Abundance

Ion 116.80 (116.50 to 117.50): VN051067.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN051067.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN051067.D (-1847) (-)





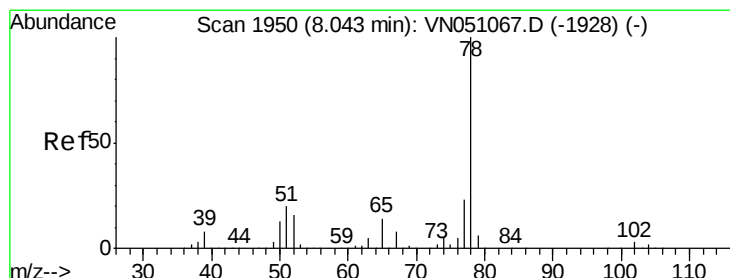
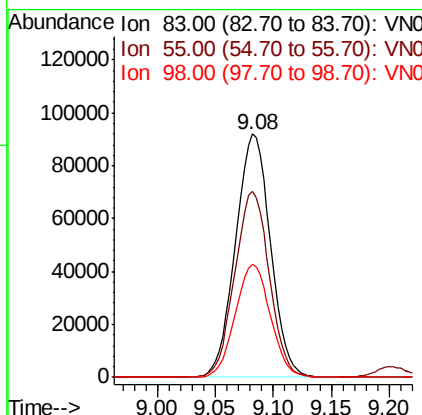
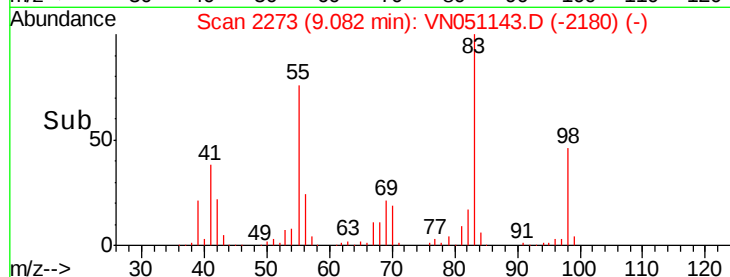
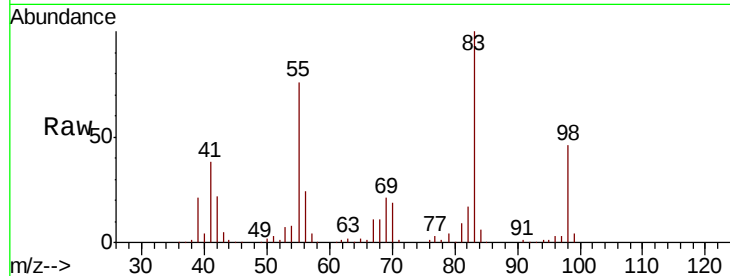
#39
Methvlcvclohexane
Concen: 17.74 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	83.00	Resp	193434
Ion Ratio	Lower	Upper	
83	100		
55	76.4	58.4	87.6
98	46.4	37.3	55.9

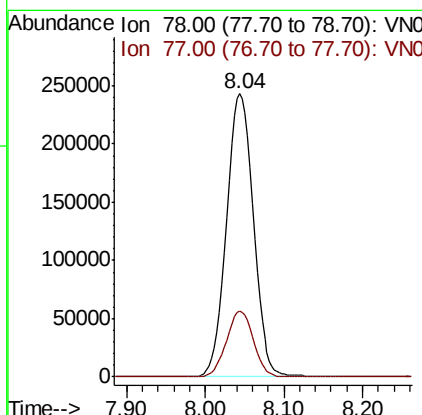
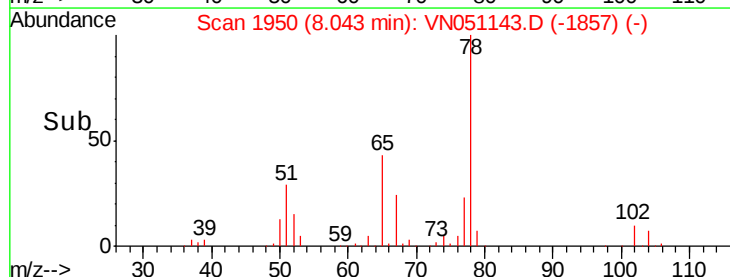
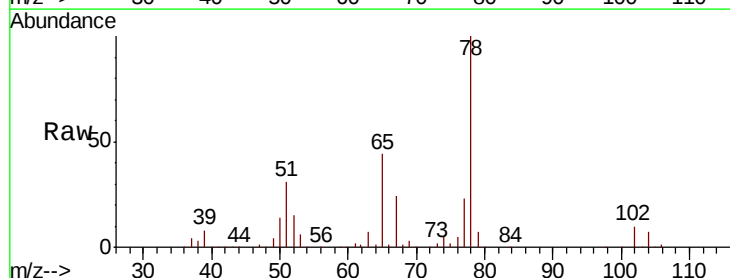
Manual Integrations
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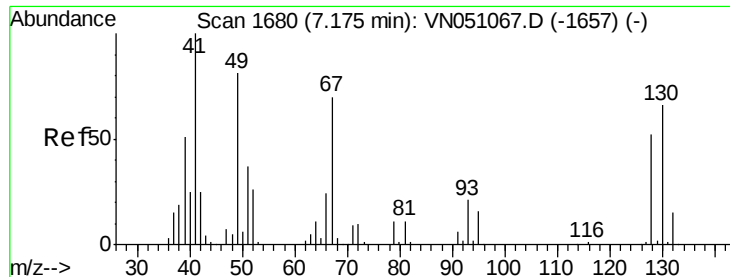
MMDadoda
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#40
Benzene
Concen: 19.36 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	78.00	Resp	576513
Ion Ratio	Lower	Upper	
78	100		
77	23.2	18.6	27.8





#41

Methacrylonitrile

Concen: 19.66 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 41 Resp: 58082

Ion Ratio Lower Upper

41 100

39 59.9 51.3 76.9

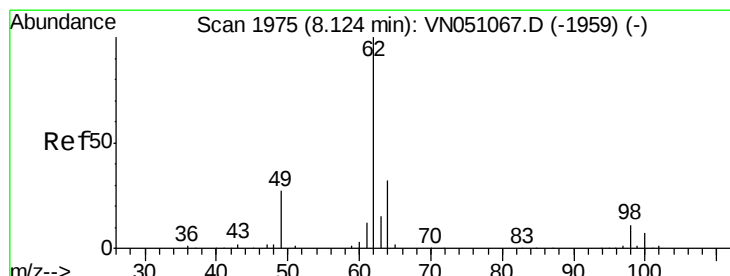
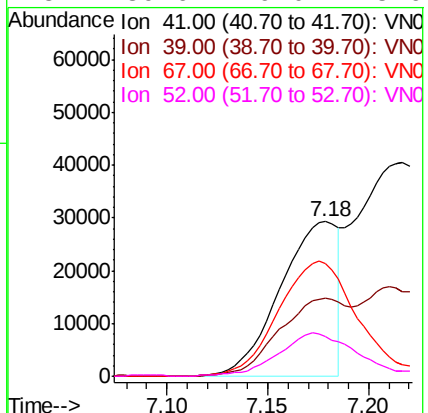
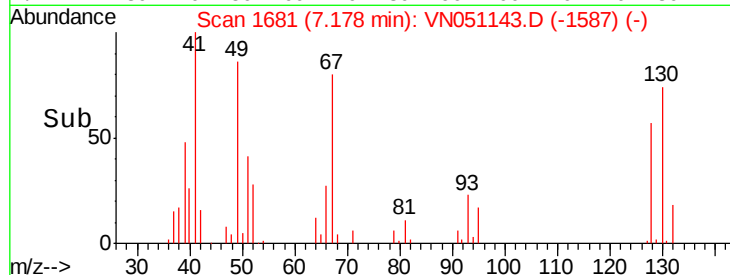
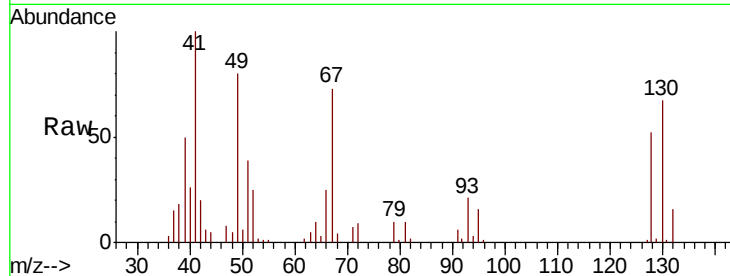
67 102.7 78.5 117.7

52 39.6 29.0 43.6

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#42

1,2-Dichloroethane

Concen: 20.19 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051143.D

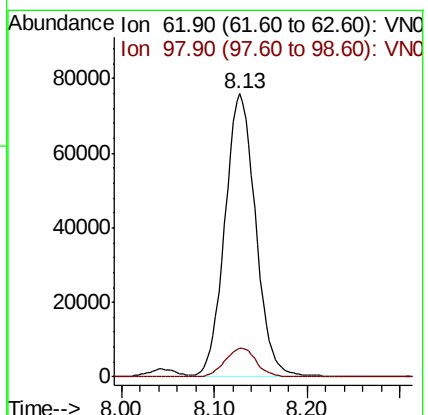
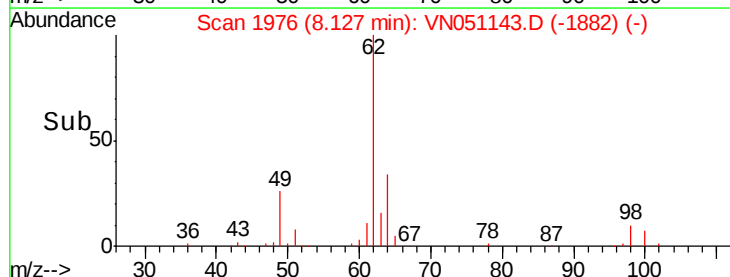
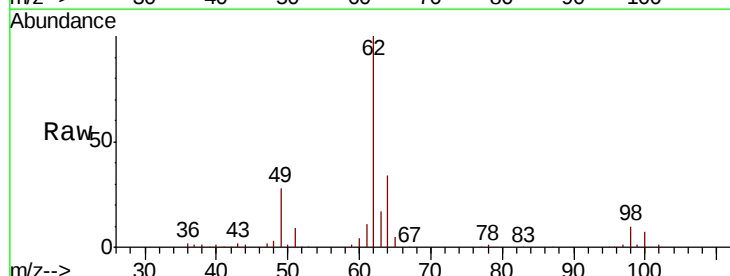
Acq: 12 Sep 2018 11:17

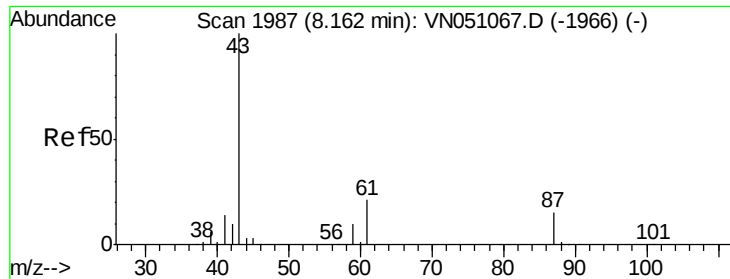
Tgt Ion: 62 Resp: 175260

Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.0





#43

Isopropyl Acetate

Concen: 21.73 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

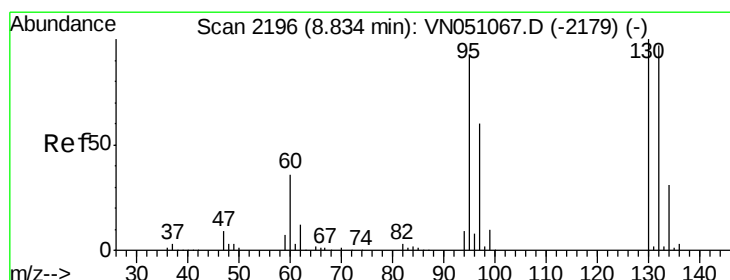
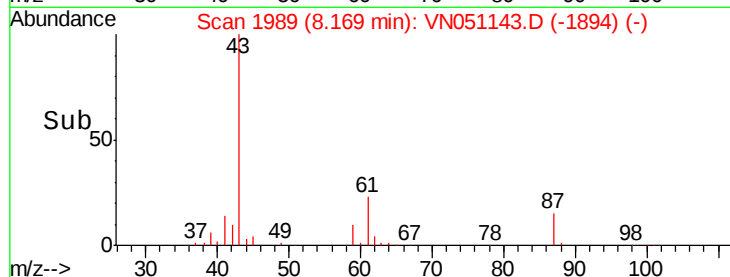
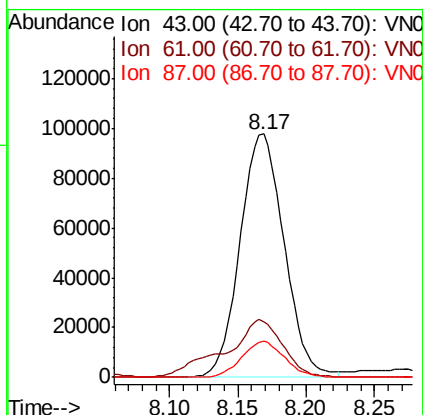
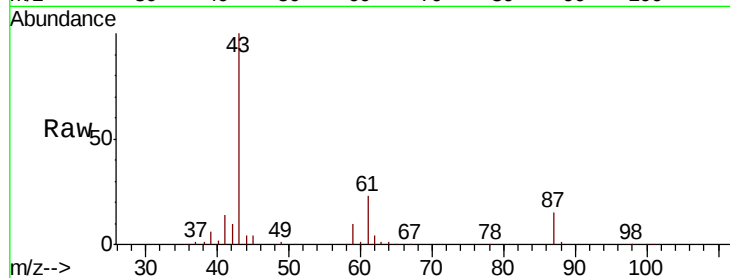
ClientSampleId :

VN0912WBSD01

Tot Ion:	43	Resp:	219464
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.0	37.6
87	14.4	11.8	17.8

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#44

Trichloroethene

Concen: 18.62 ug/l

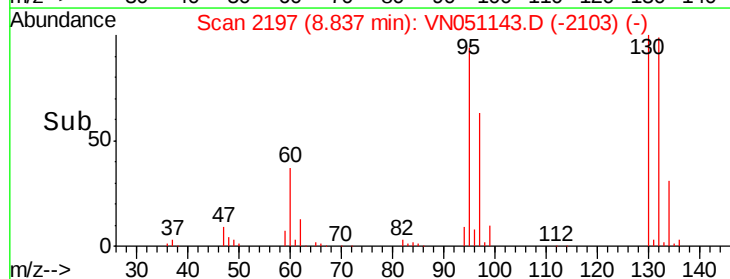
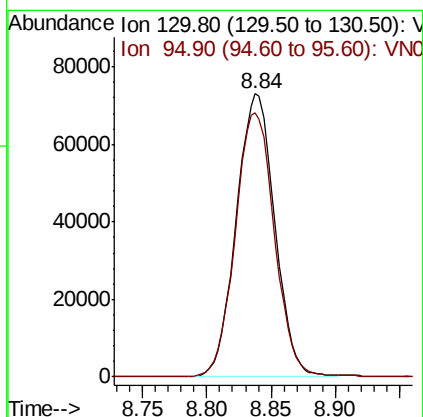
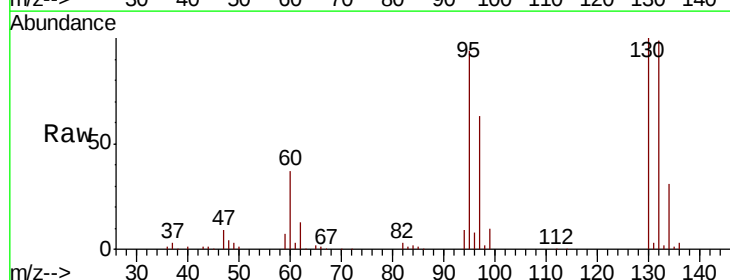
RT: 8.84 min Scan# 2197

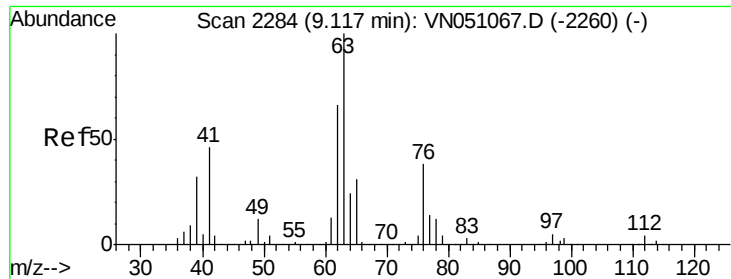
Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	130	Resp:	151729
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	186.2





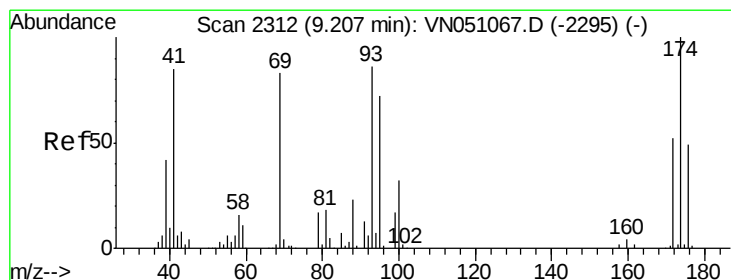
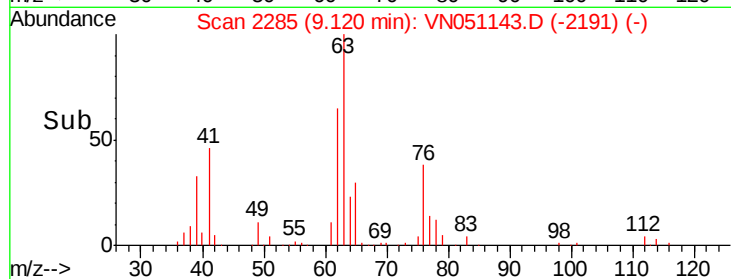
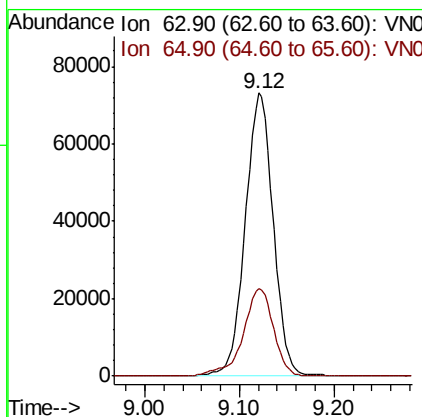
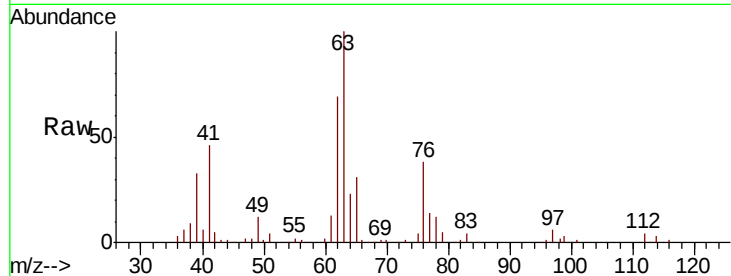
#45
 1,2-Dichloropropane
 Concen: 19.52 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion: 63 Resp: 150237
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.7 37.1

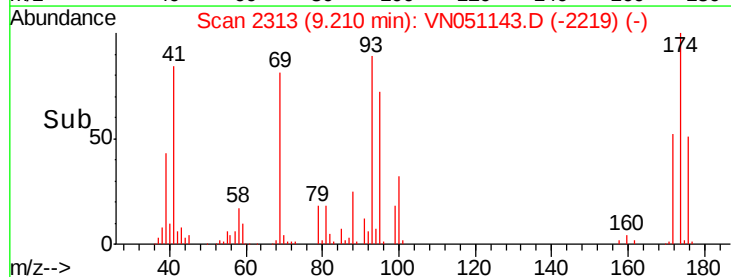
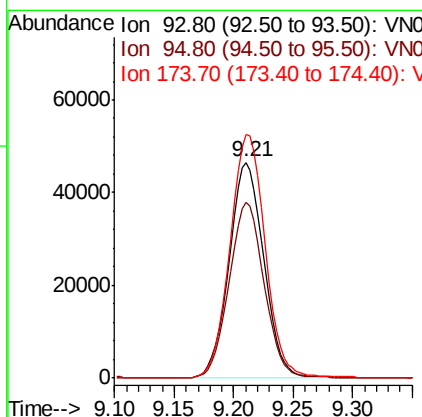
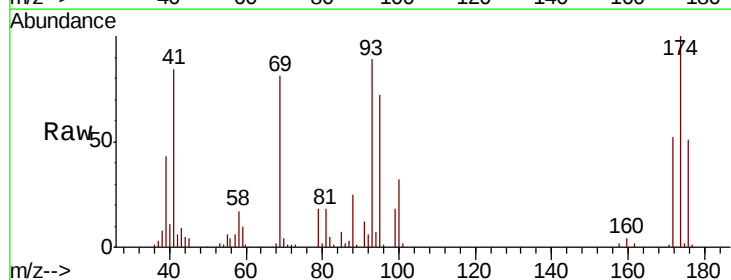
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#46
 Dibromomethane
 Concen: 20.08 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion: 93 Resp: 94271
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.8 100.2
 174 114.6 93.3 139.9





#47

Bromodichloromethane

Concen: 19.83 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

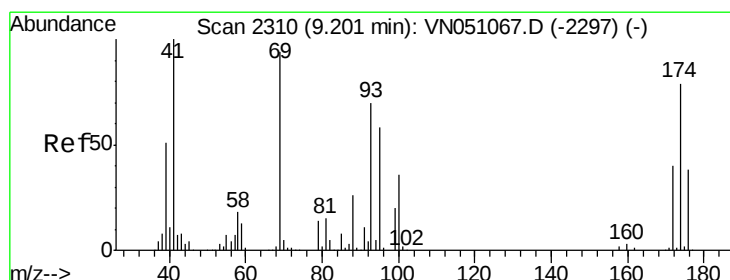
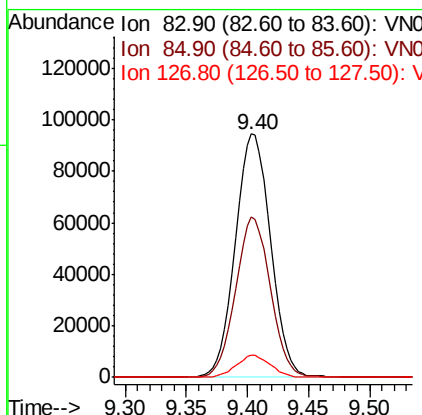
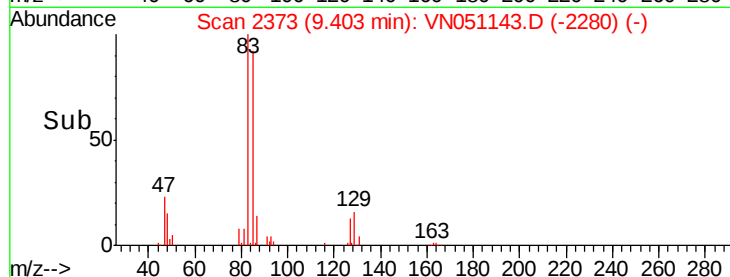
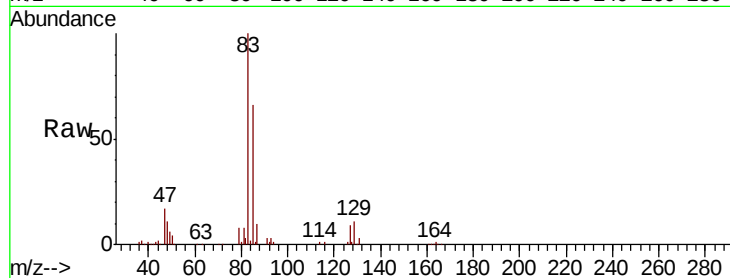
ClientSampleId :

VN0912WBSD01

Tot Ion:	83	Resp:	189297
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.3	78.5
127	9.1	7.5	11.3

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#48

Methyl methacrylate

Concen: 20.86 ug/l

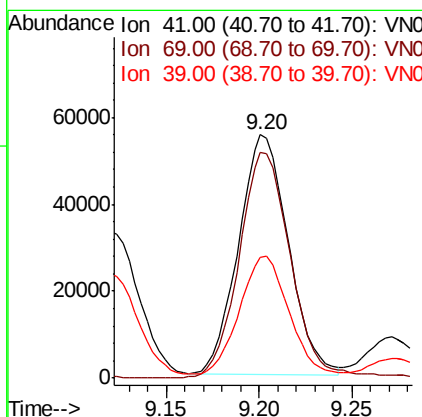
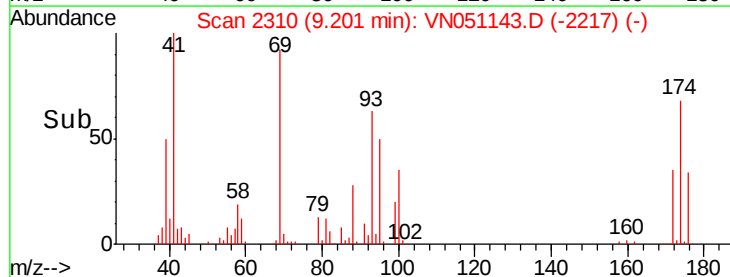
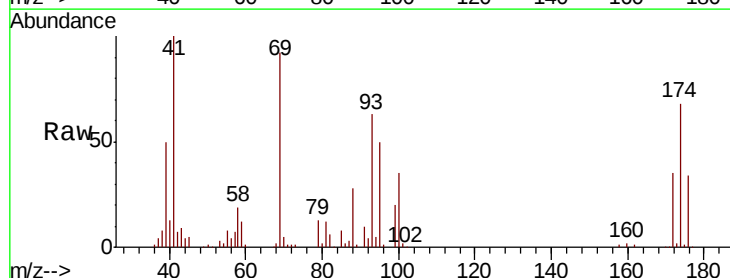
RT: 9.20 min Scan# 2310

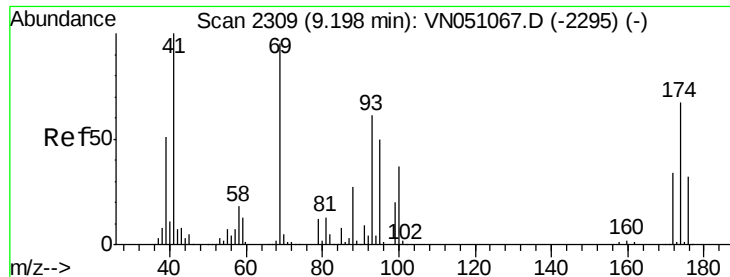
Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	41	Resp:	102674
Ion Ratio	Lower	Upper	
41	100		
69	98.4	77.7	116.5
39	51.7	41.6	62.4





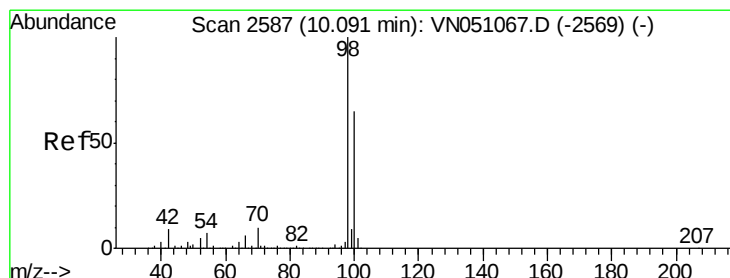
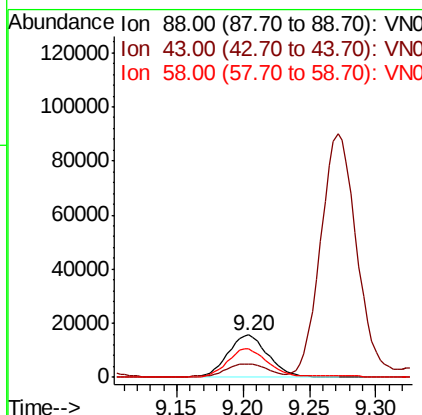
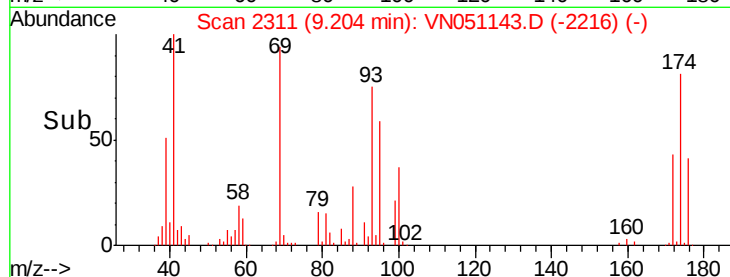
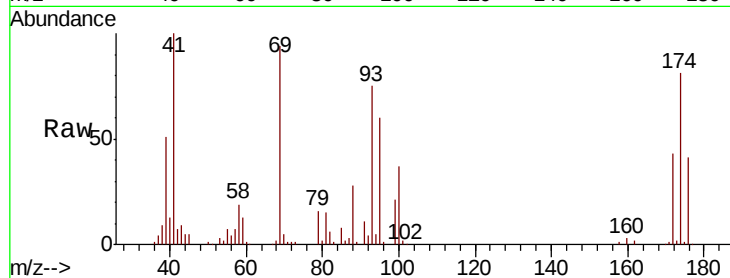
#49
1,4-Dioxane
Concen: 429.51 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	88	Resp	33154
Ion	Ratio	Lower	Upper
88	100		
43	32.0	23.7	35.5
58	66.4	54.6	82.0

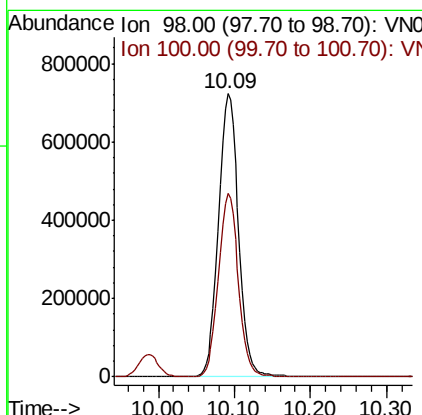
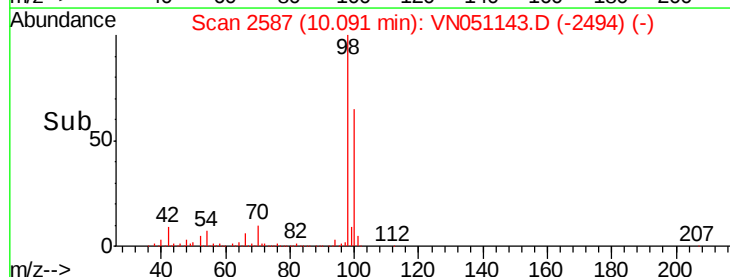
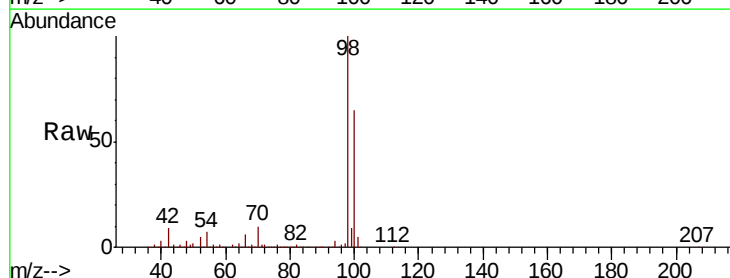
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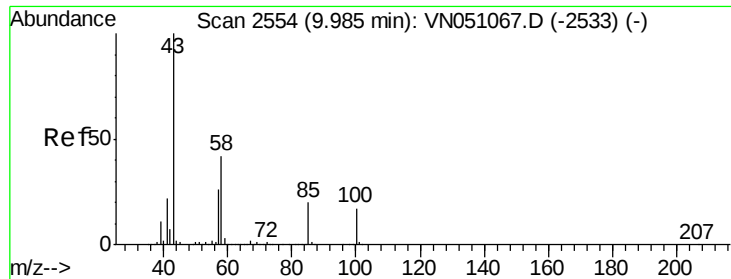
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#50
Toluene-d8
Concen: 51.63 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	98	Resp	1325328
Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





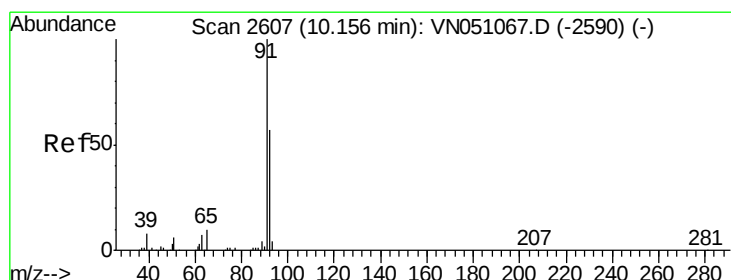
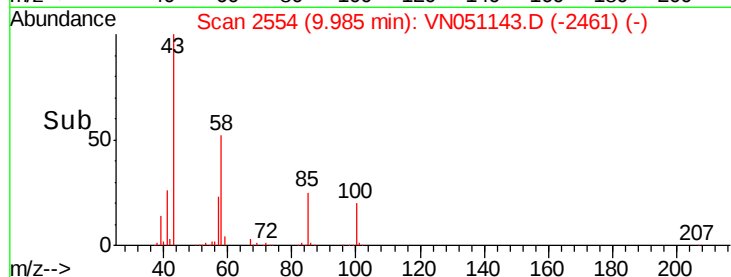
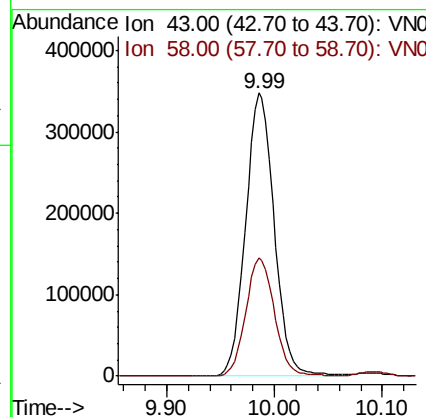
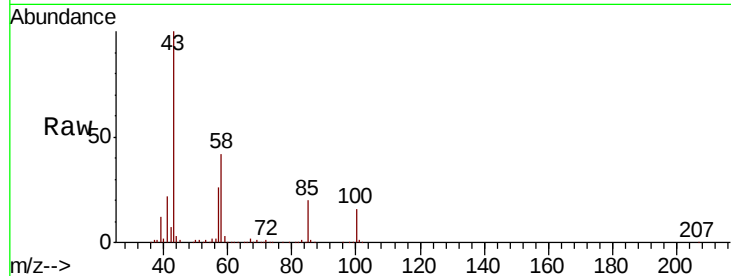
#51
4-Methyl-2-Pentanone
Concen: 114.13 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	43	Resp	637495
Ion Ratio	100	Lower	Upper
43	100		
58	41.9	33.5	50.3

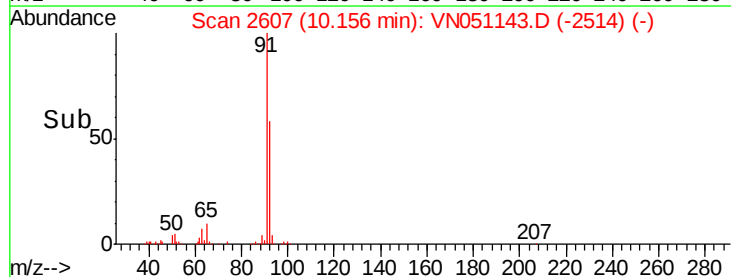
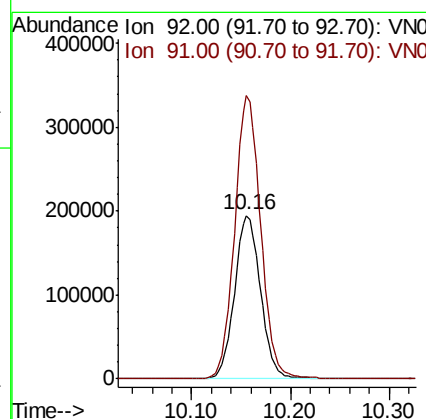
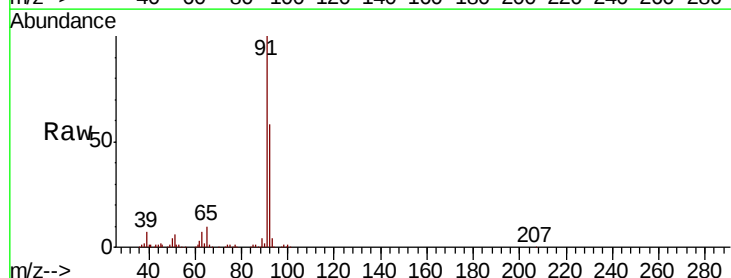
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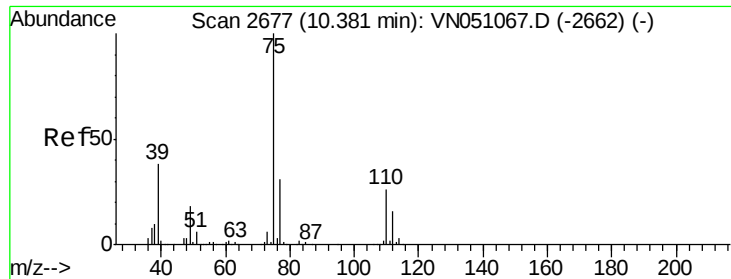
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#52
Toluene
Concen: 19.72 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	92	Resp	358196
Ion Ratio	100	Lower	Upper
92	100		
91	173.7	139.5	209.3





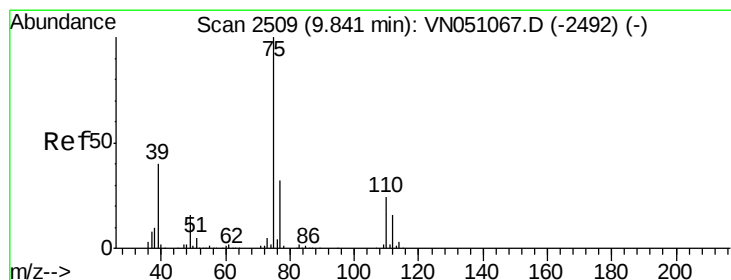
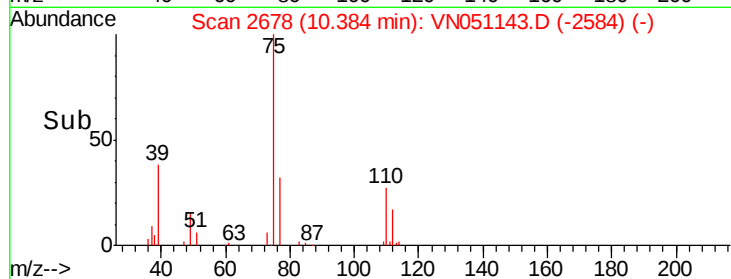
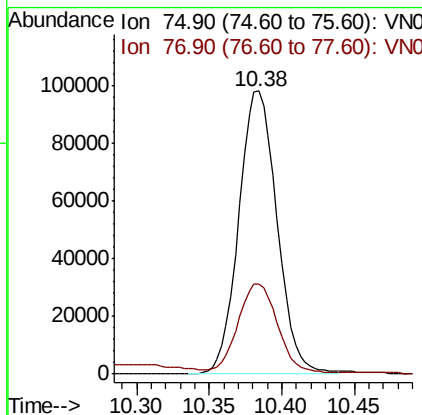
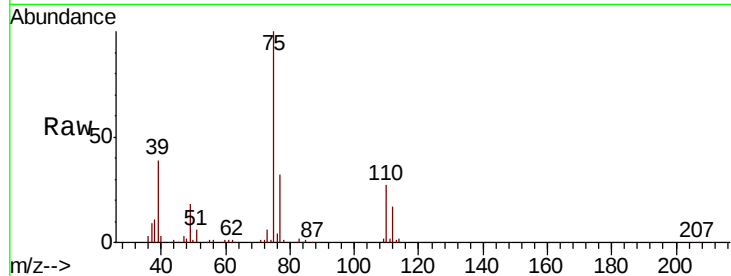
#53
t-1,3-Dichloropropene
Concen: 18.93 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion: 75 Resp: 180872
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

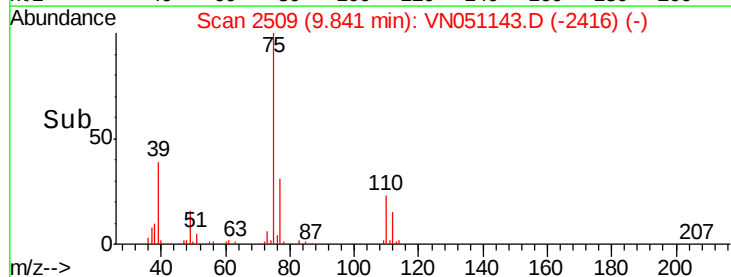
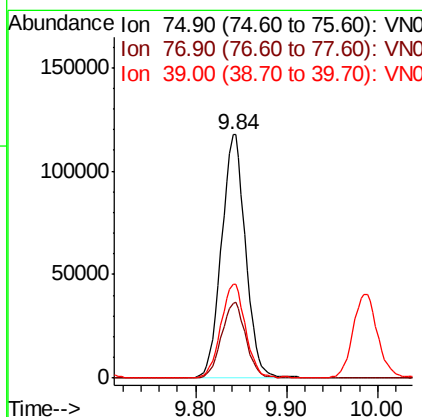
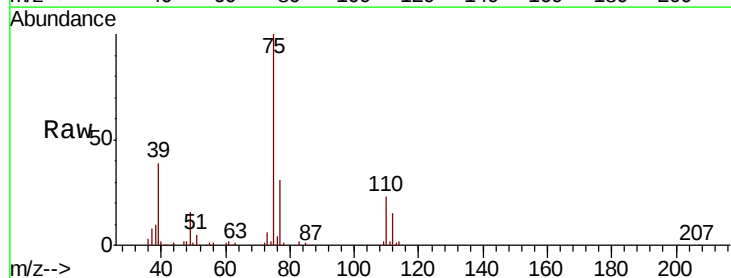
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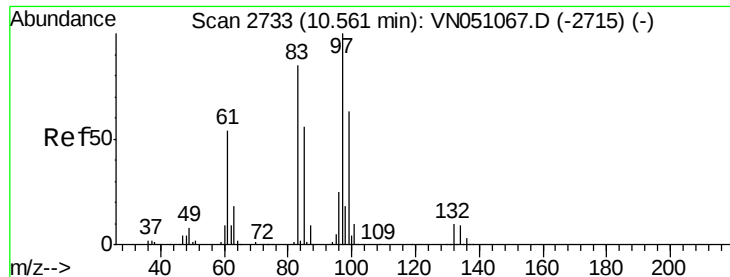
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#54
cis-1,3-Dichloropropene
Concen: 19.32 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion: 75 Resp: 216439
Ion Ratio Lower Upper
75 100
77 30.7 25.7 38.5
39 38.5 31.9 47.9





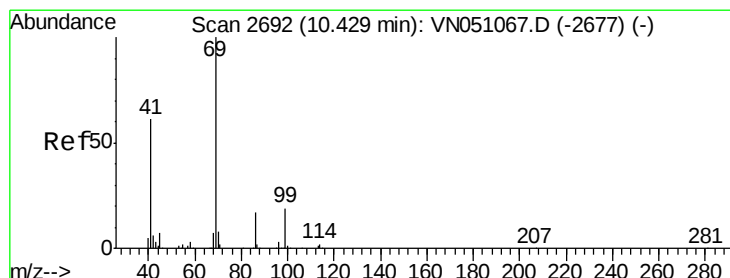
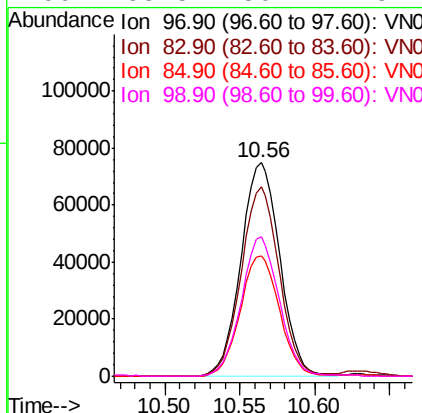
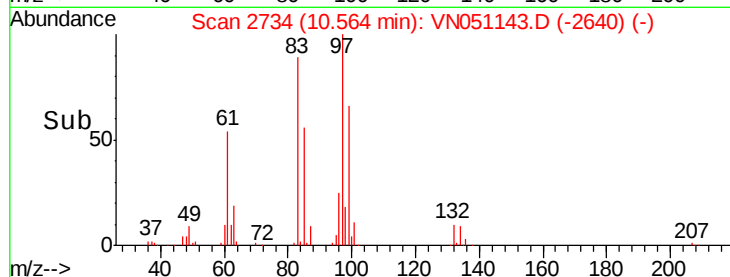
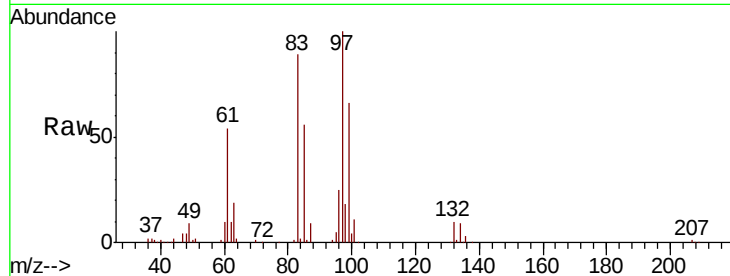
#55
 1,1,2-Trichloroethane
 Concen: 20.55 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion:	97	Resp:	135555
Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.2	102.2
85	56.4	44.8	67.2
99	65.5	50.2	75.4

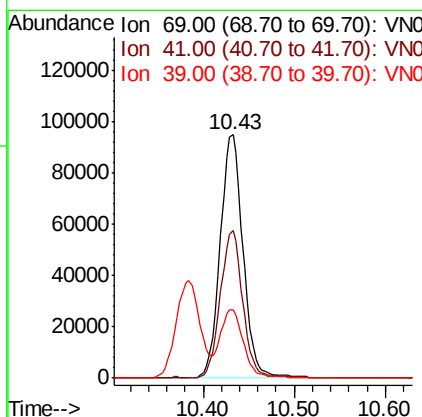
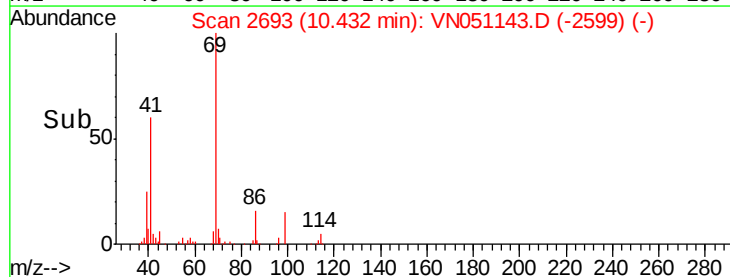
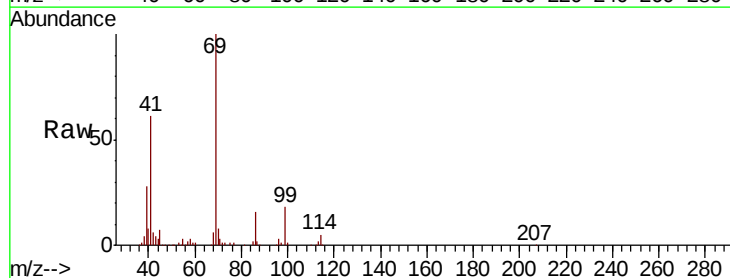
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#56
 Ethyl methacrylate
 Concen: 20.32 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion:	69	Resp:	166319
Ion	Ratio	Lower	Upper
69	100		
41	58.5	47.8	71.8
39	27.8	23.0	34.4





#57

1,3-Dichloropropane

Concen: 20.41 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0912WBSD01

Tot Ion: 76 Resp: 223246

Ion Ratio Lower Upper

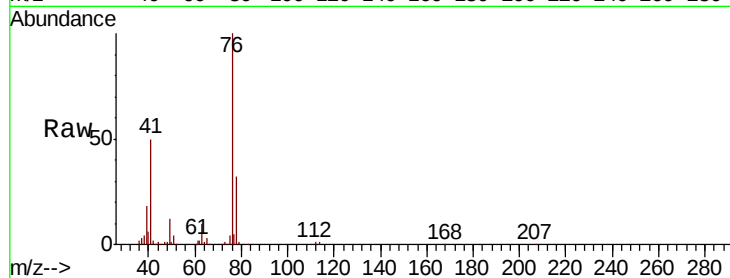
76 100

78 31.9 26.1 39.1

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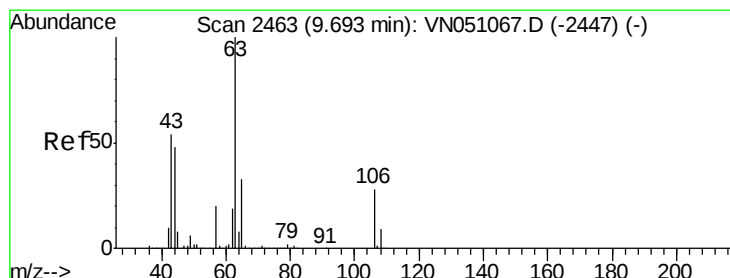
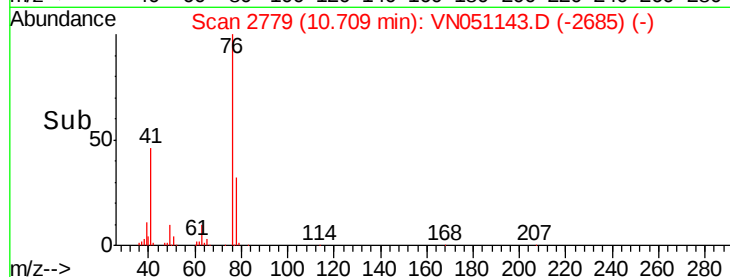
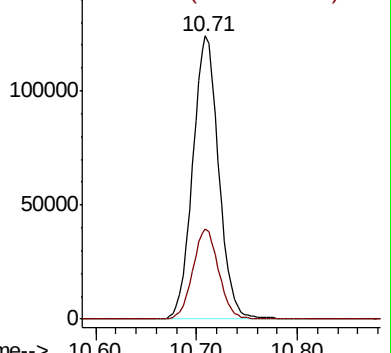
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.43 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051143.D

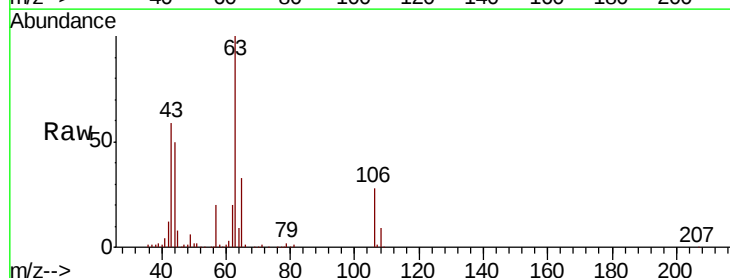
Acq: 12 Sep 2018 11:17

Tgt Ion: 63 Resp: 325796

Ion Ratio Lower Upper

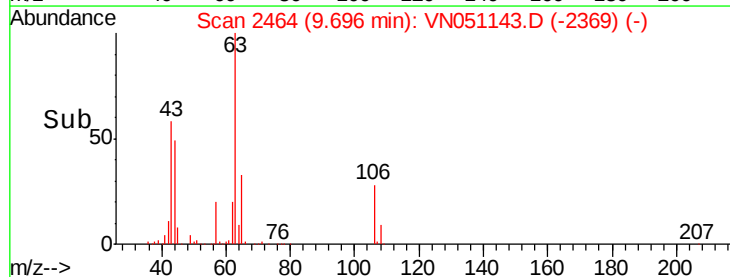
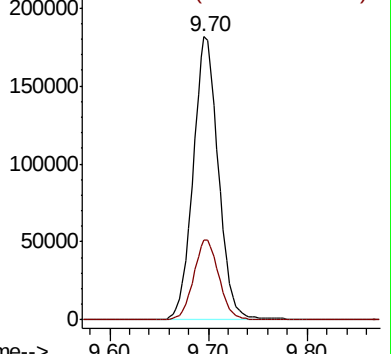
63 100

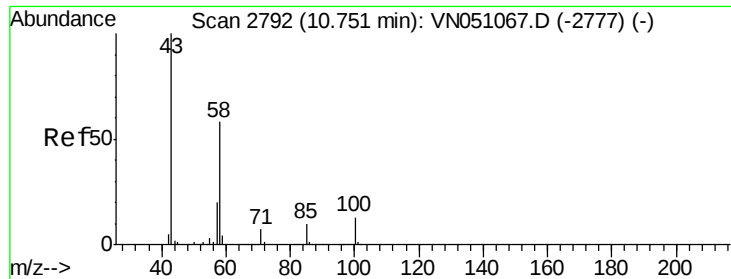
106 28.5 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





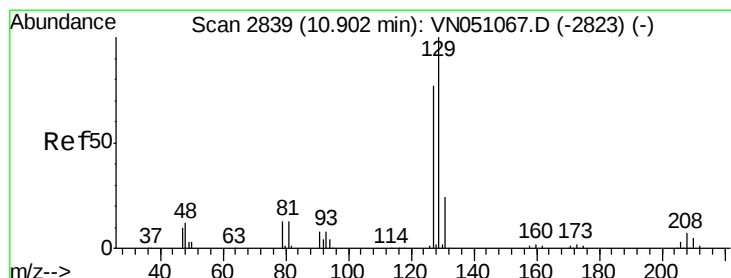
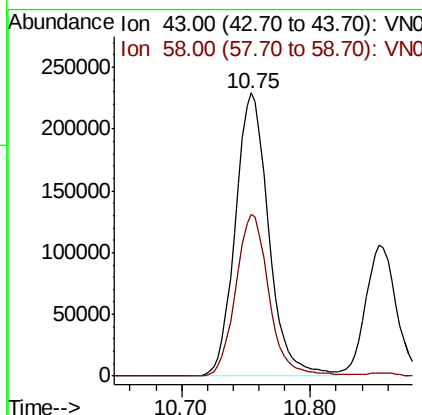
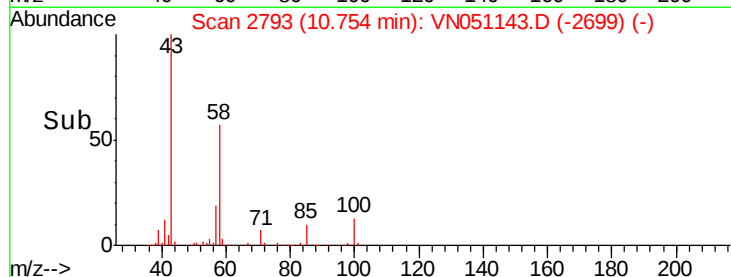
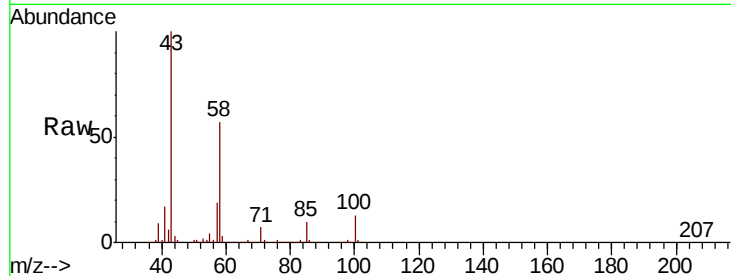
#59
2-Hexanone
Concen: 108.41 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.1	29.3	88.0

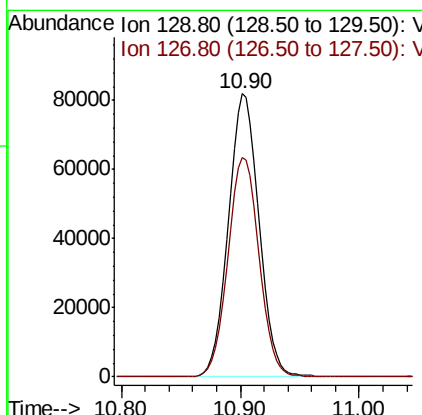
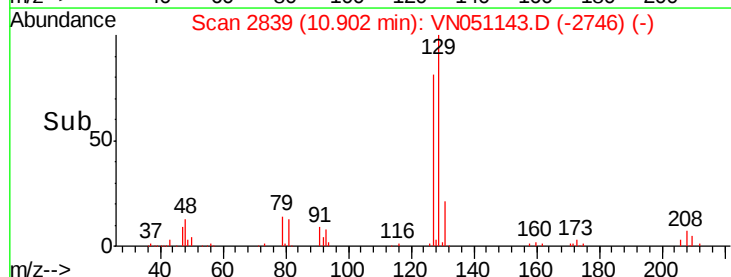
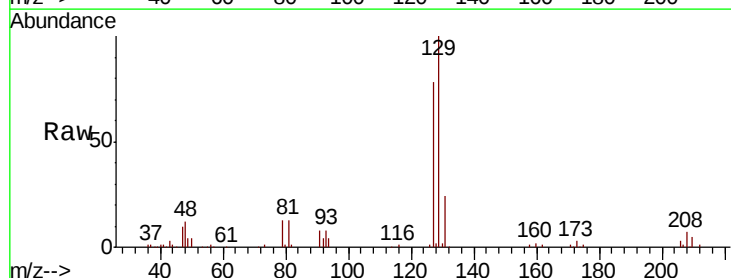
Manual Integrations
APPROVED

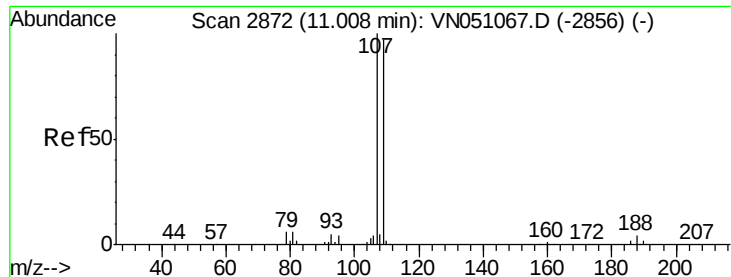
MMDadoda
9/13/2018 5:20:06 PM



#60
Dibromochloromethane
Concen: 19.68 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.5	115.5





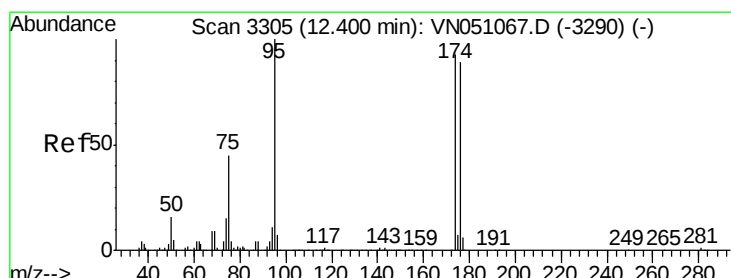
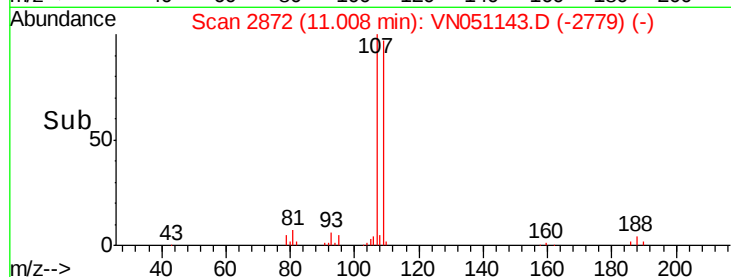
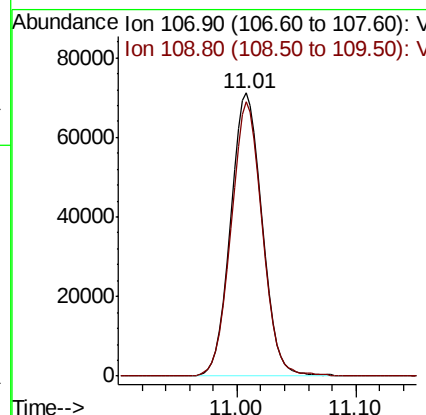
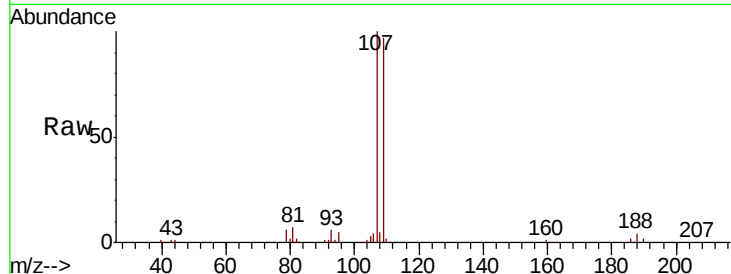
#61
 1,2-Dibromoethane
 Concen: 20.22 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	76.0	114.0

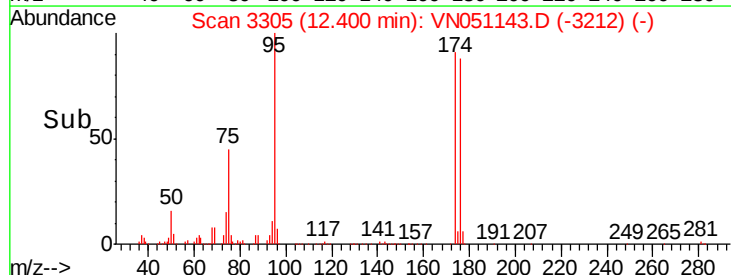
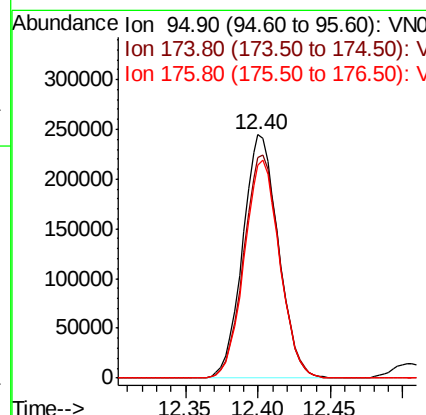
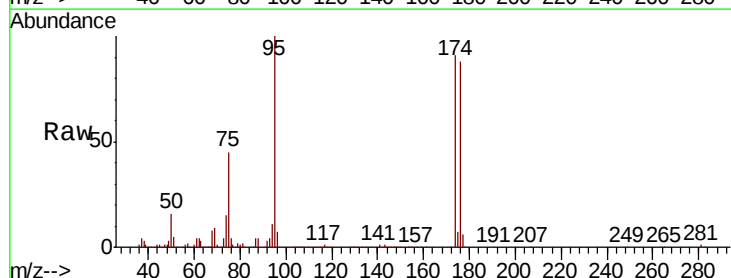
Manual Integrations
 APPROVED

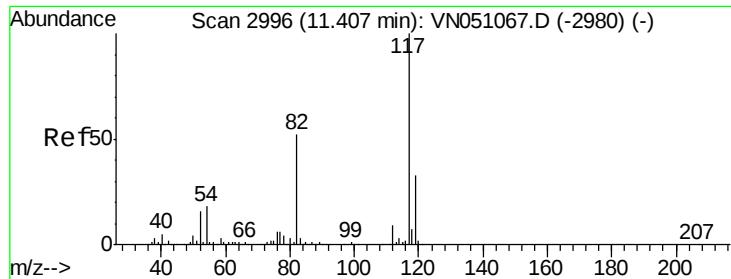
MMDadoda
 9/13/2018 5:20:06 PM



#62
 4-Bromofluorobenzene
 Concen: 49.13 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	0.0	184.8
176	89.0	0.0	178.6





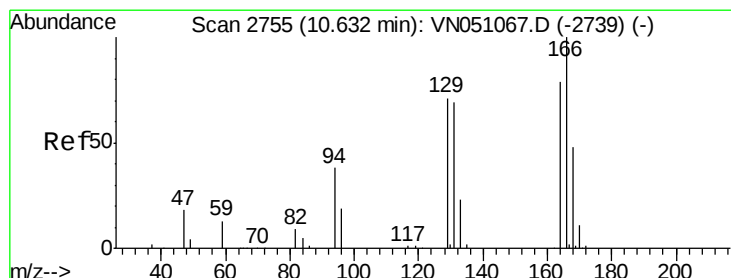
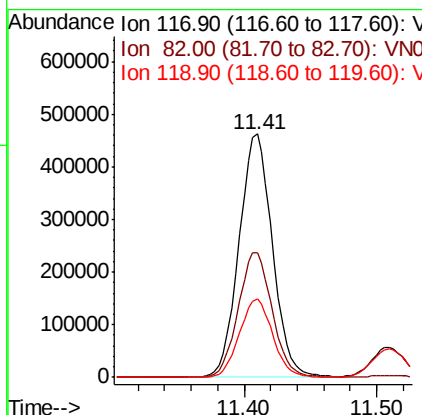
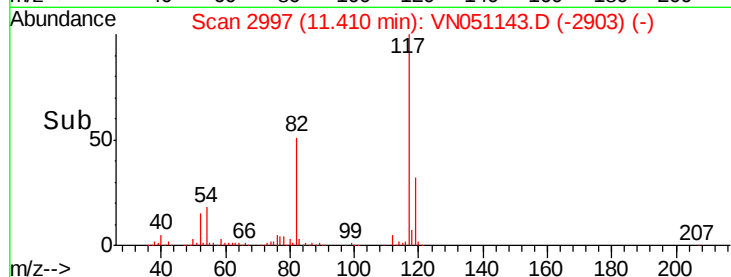
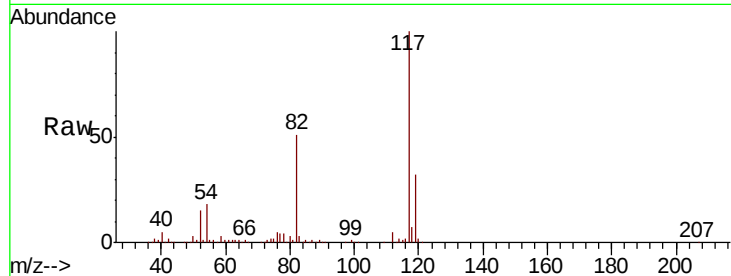
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.8	62.6
119	32.0	26.2	39.2

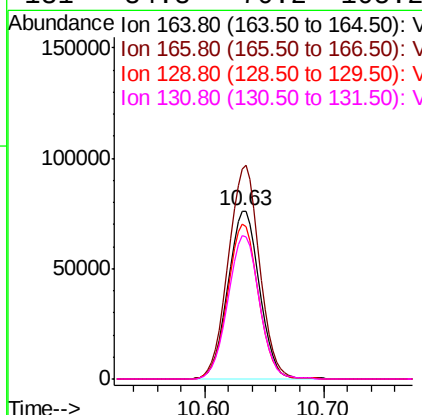
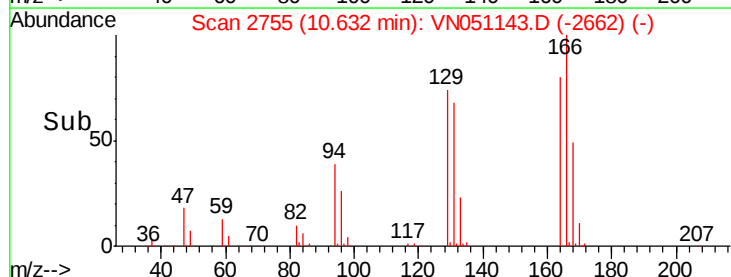
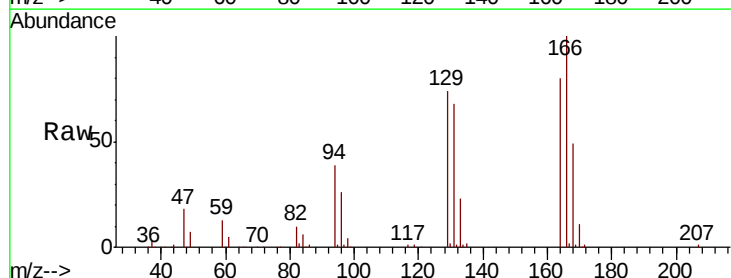
Manual Integrations
APPROVED

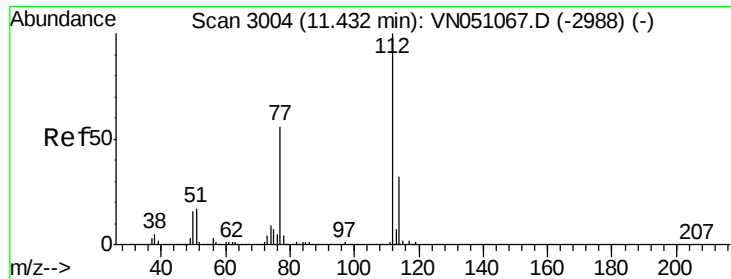
MMDadoda
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#64
Tetrachloroethene
Concen: 18.97 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.3	151.9
129	92.0	72.2	108.2
131	84.8	70.2	105.2





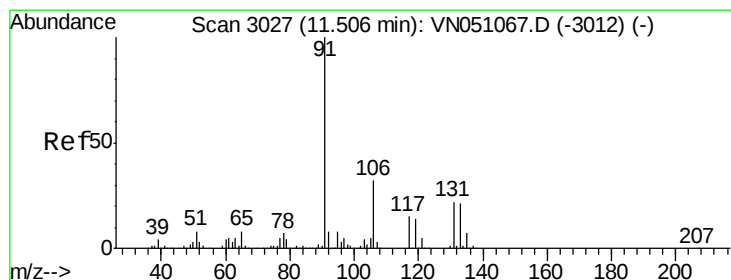
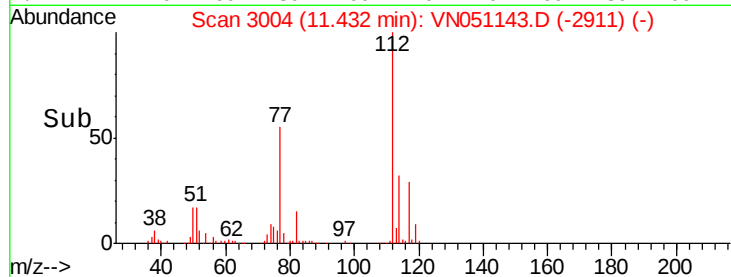
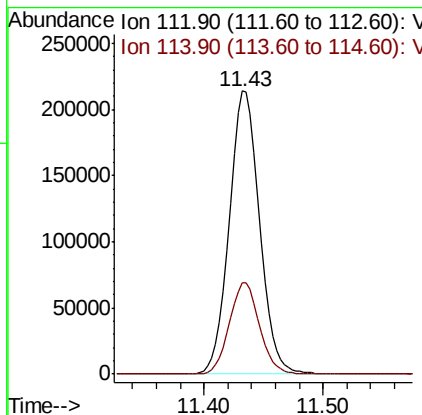
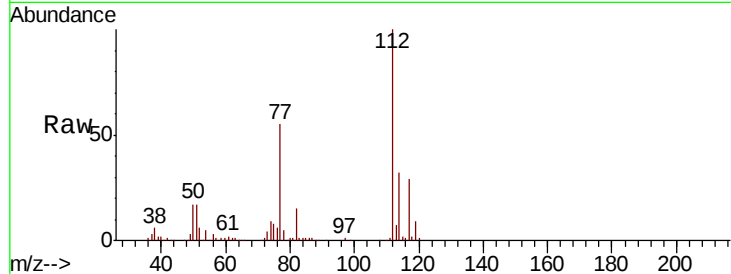
#65
Chlorobenzene
Concen: 18.51 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	377291		
114	32.1	25.8	38.6	

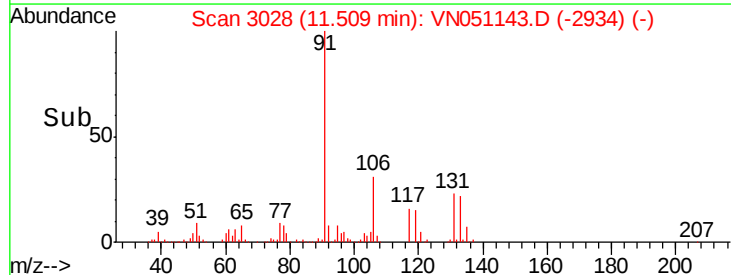
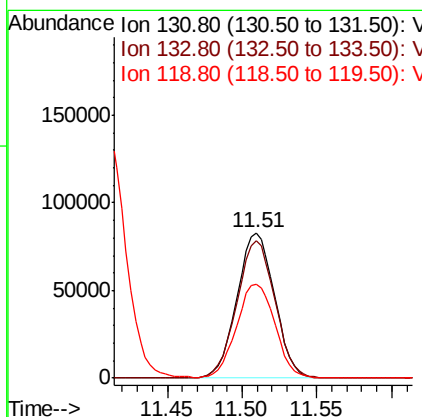
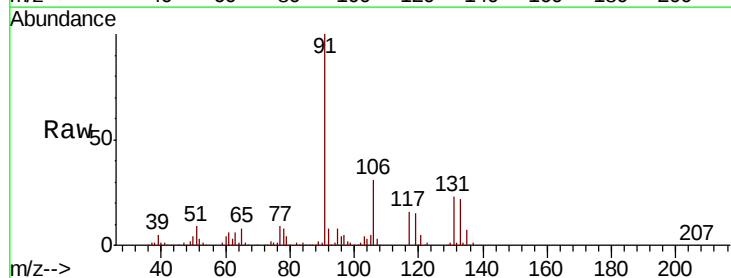
Manual Integrations
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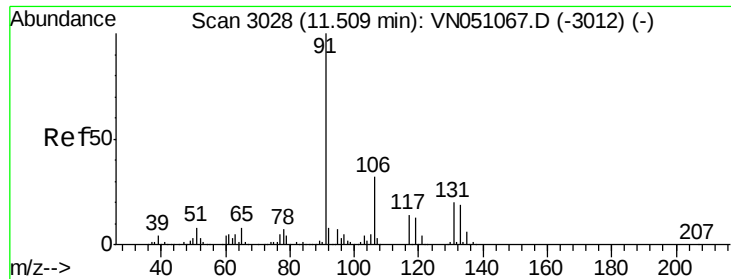
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.71 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	144630		
133	95.9	47.5	142.6	
119	66.3	33.2	99.6	





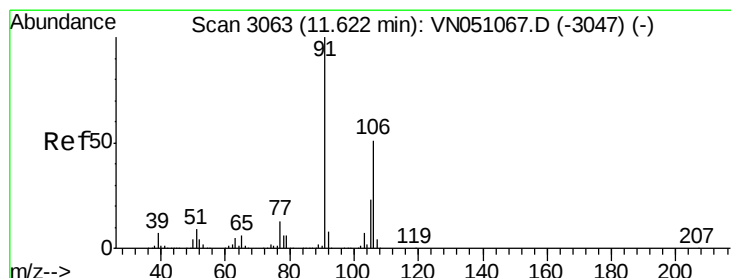
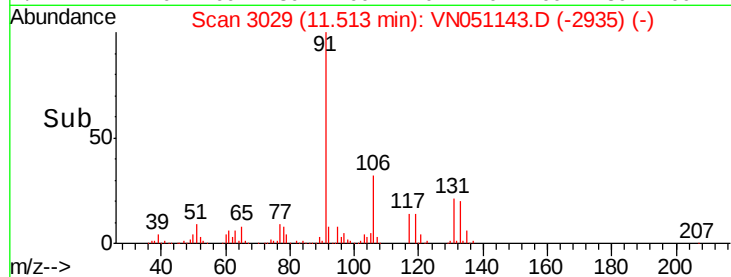
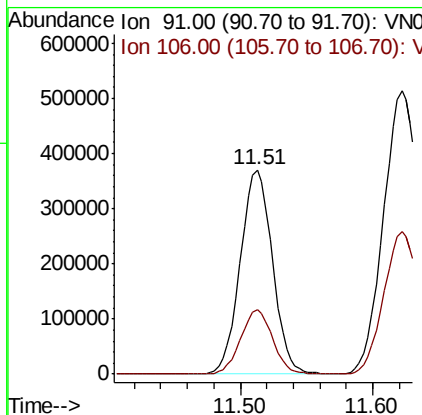
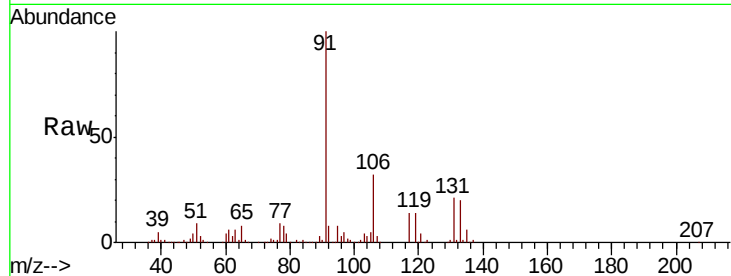
#67
Ethyl Benzene
Concen: 18.97 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion: 91 Resp: 626134
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2

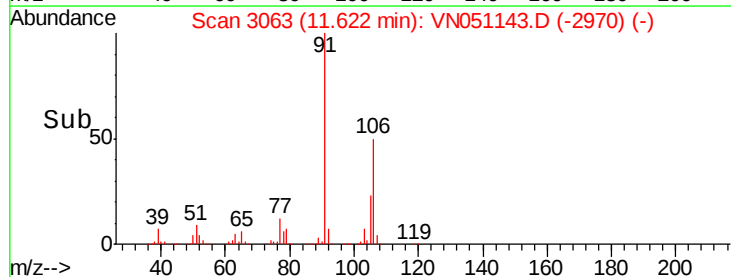
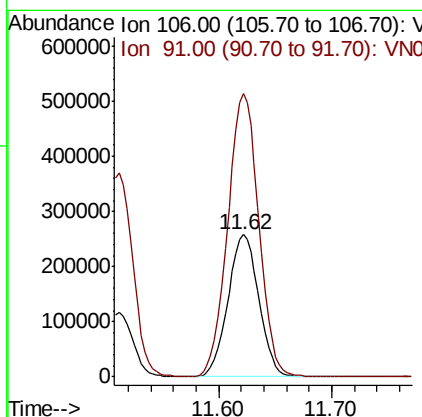
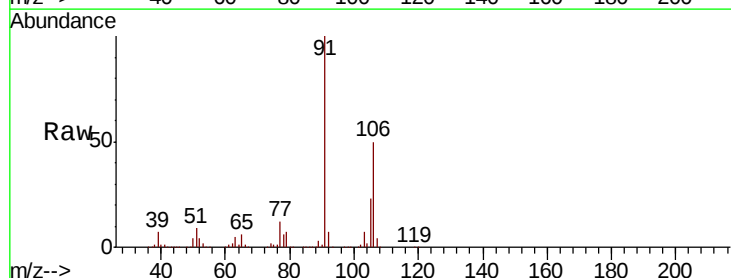
Manual Integrations
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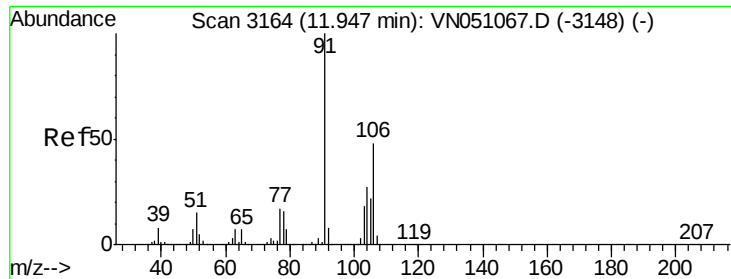
MMDadoda
9/13/2018 5:20:06 PM



#68
m/p-Xylenes
Concen: 38.76 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion: 106 Resp: 491550
Ion Ratio Lower Upper
106 100
91 199.3 159.8 239.6





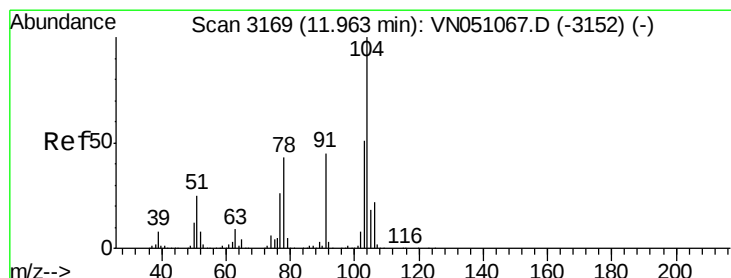
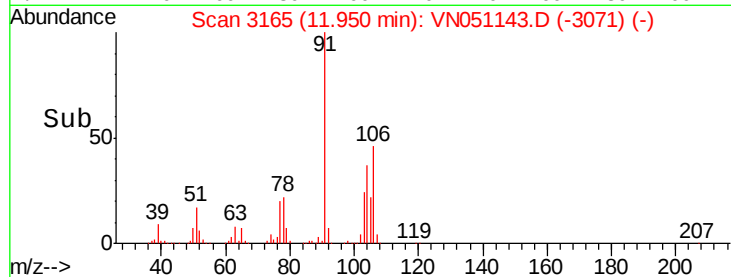
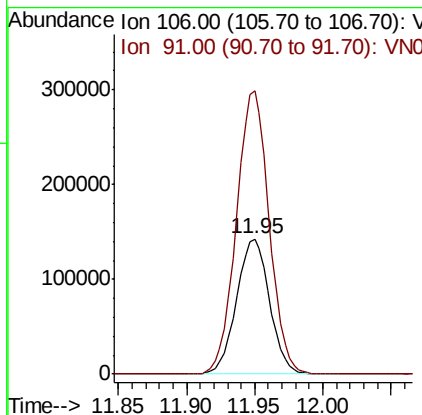
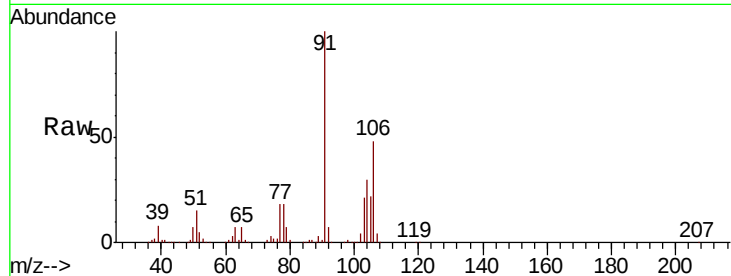
#69
o-Xylene
Concen: 19.49 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.9	105.1	315.1

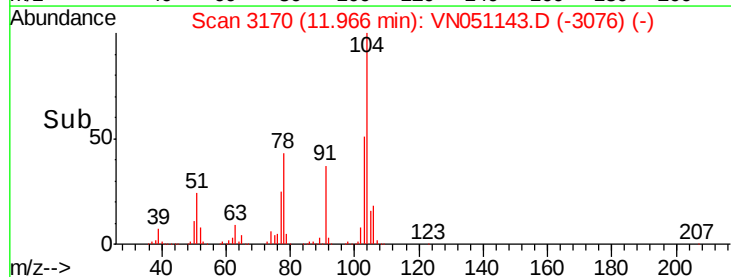
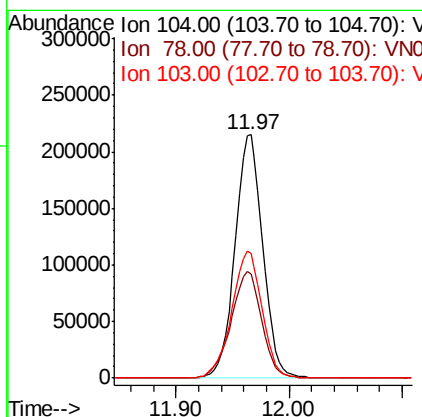
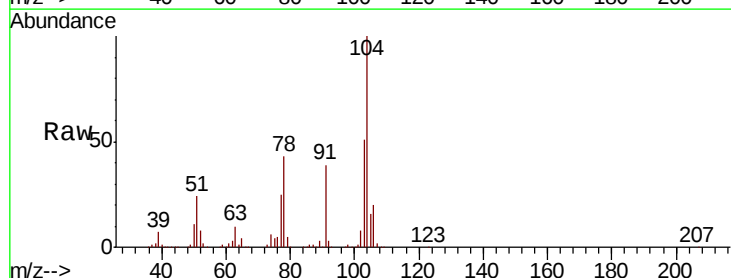
Manual Integrations
APPROVED

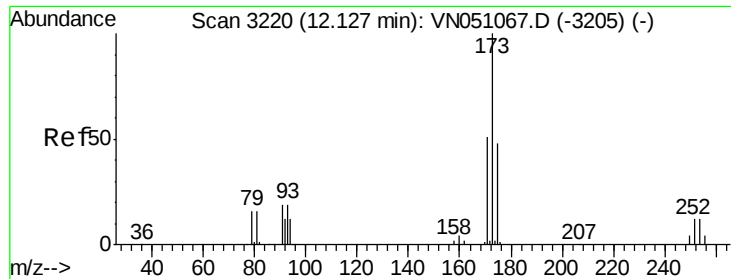
MMDadoda
9/13/2018 5:20:06 PM



#70
Styrene
Concen: 19.31 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.7	56.5
103	56.8	44.6	67.0





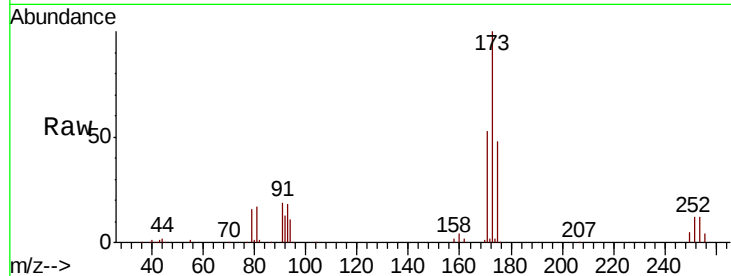
#71
Bromoform
Concen: 20.09 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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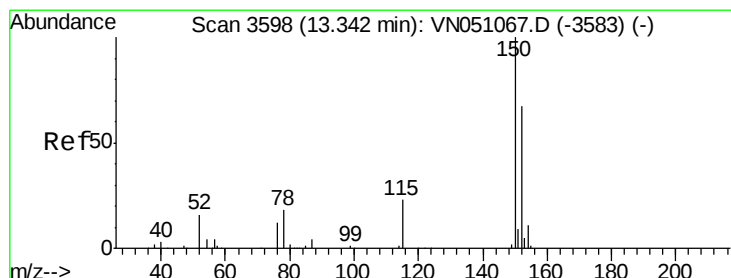
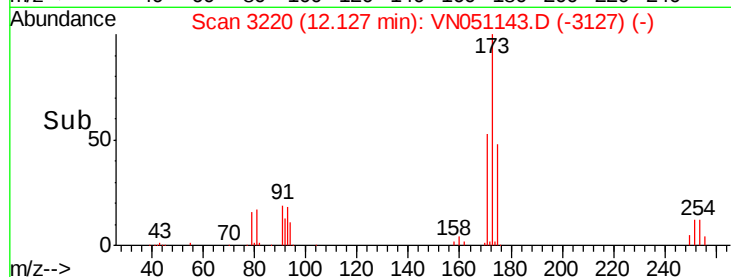
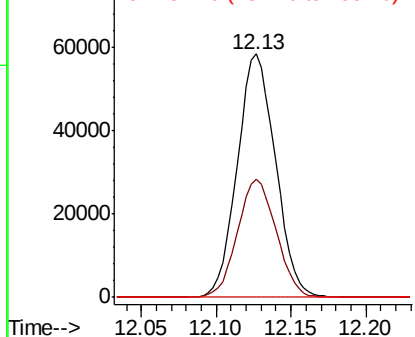


Abundance

Ion 172.70 (172.40 to 173.40): V

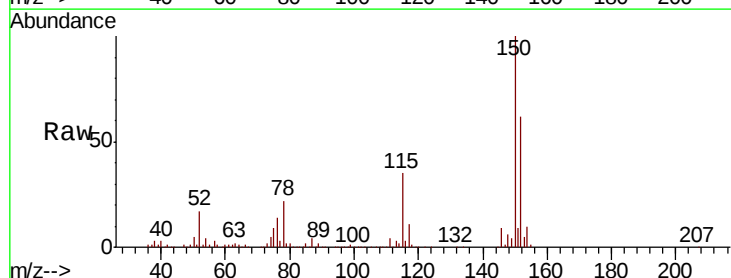
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.2	84.7
150	165.9	0.0	349.0

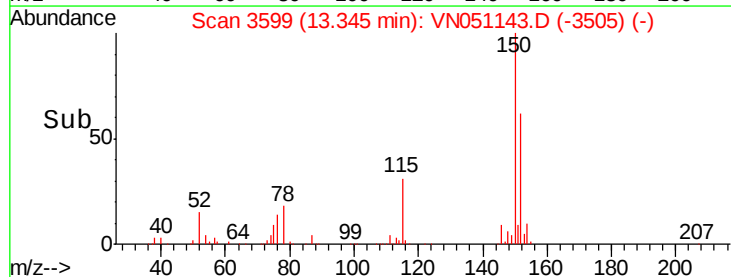
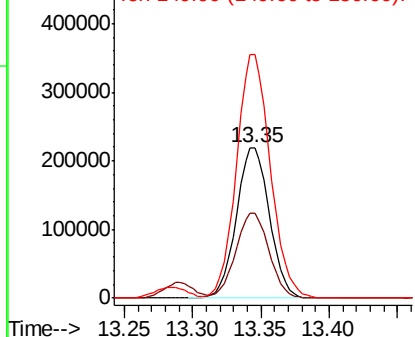


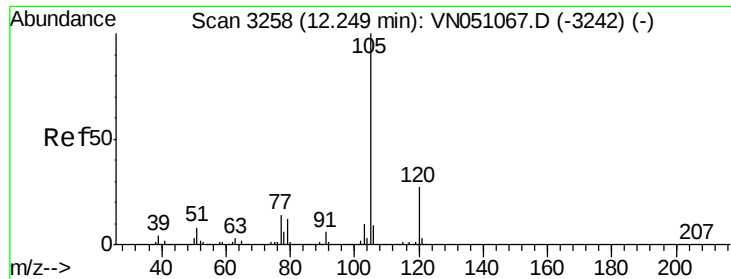
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.16 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion:105 Resp: 622427

Ion Ratio Lower Upper

105 100

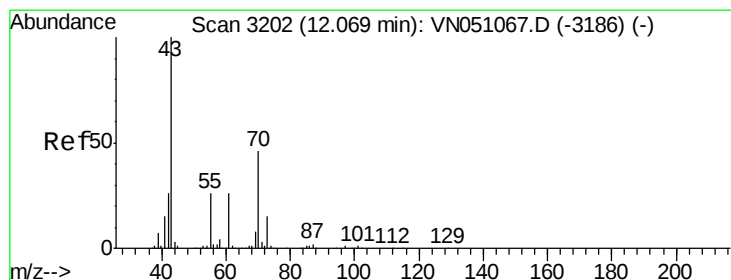
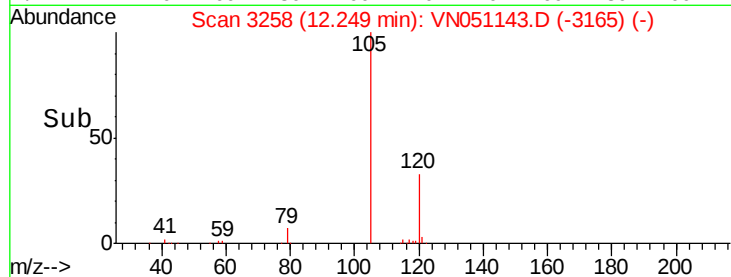
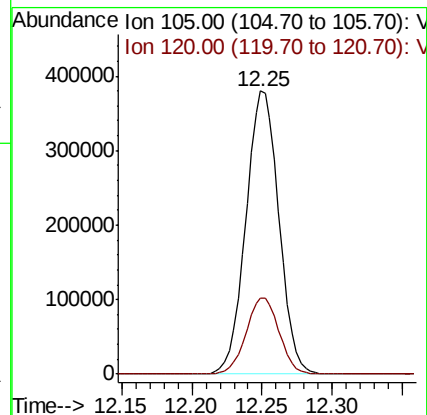
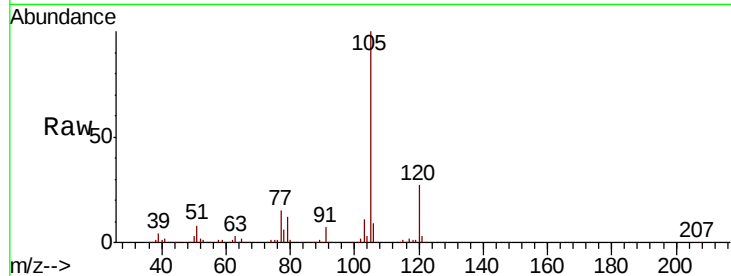
120 26.9 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.56 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion: 43 Resp: 159735

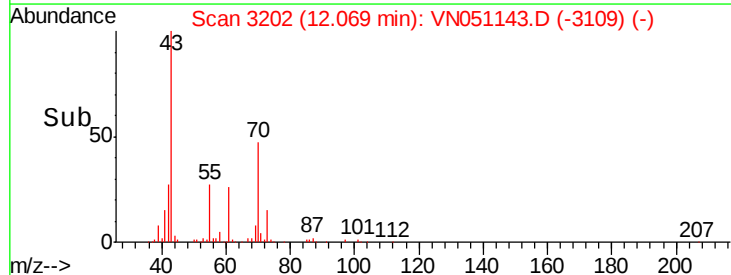
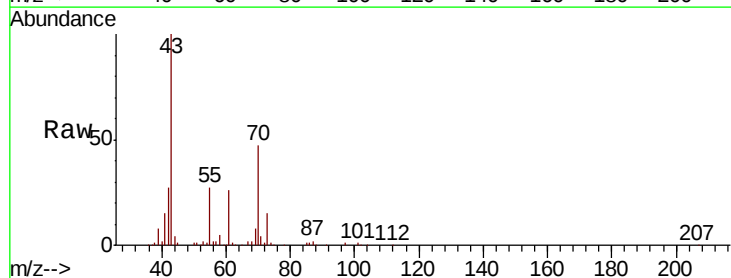
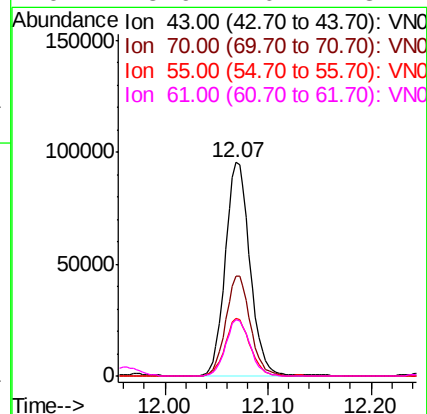
Ion Ratio Lower Upper

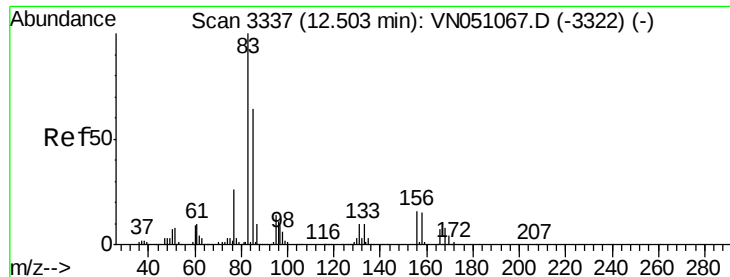
43 100

70 45.9 37.0 55.4

55 26.9 21.3 31.9

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 24.09 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

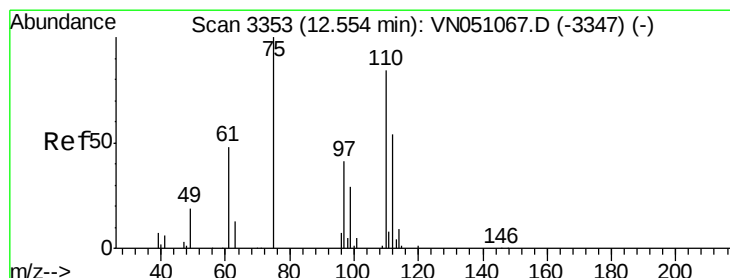
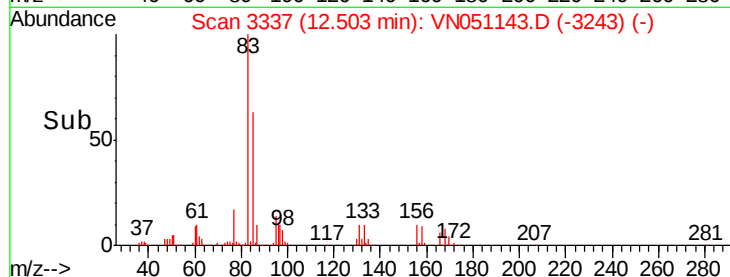
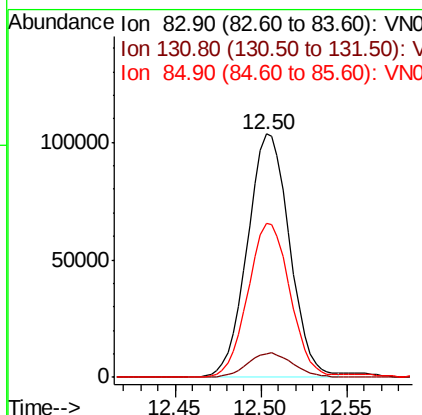
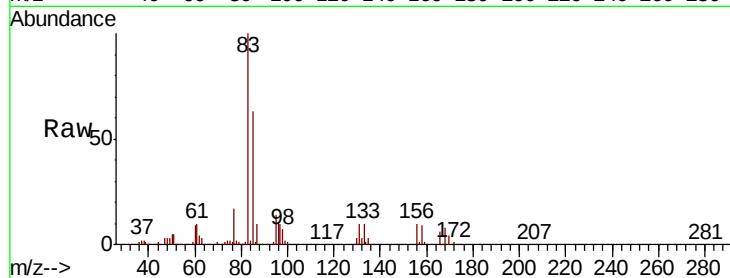
ClientSampleId :

VN0912WBSD01

Tot Ion:	83	Resp:	176523
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	63.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.75 ug/l m

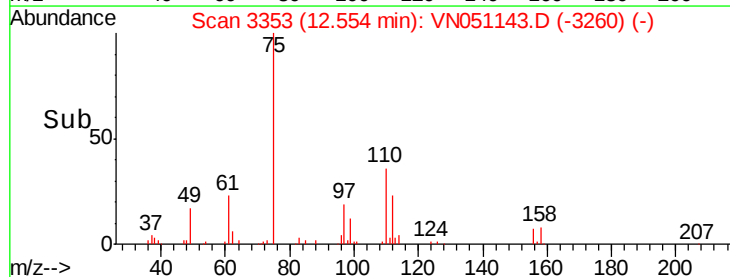
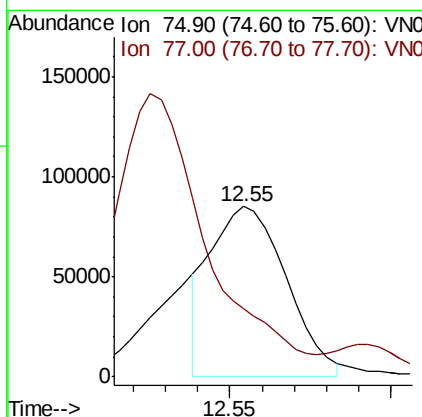
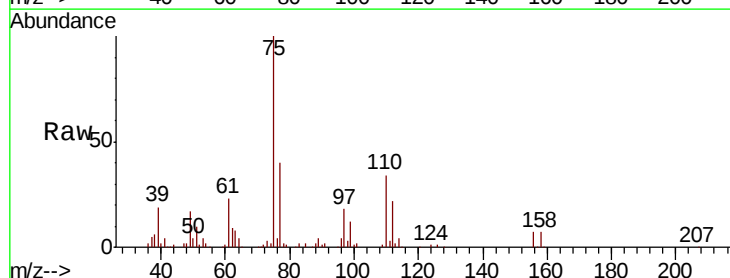
RT: 12.55 min Scan# 3353

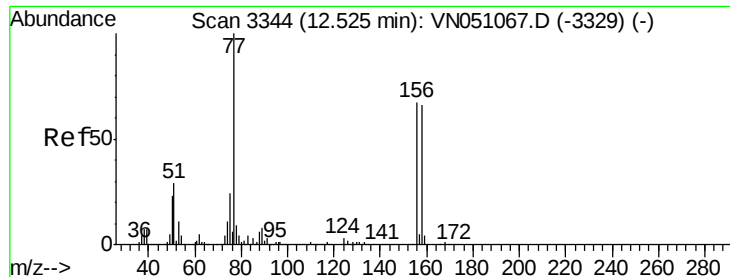
Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	75	Resp:	140046
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.19 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

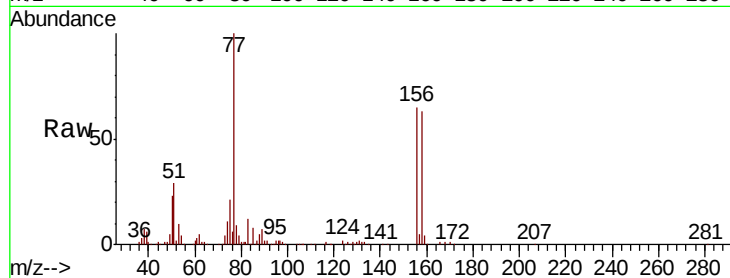
ClientSampleId :

VN0912WBSD01

Tot Ion:	156	Resp:	159130
Ion Ratio	Lower	Upper	
156	100		
77	181.2	87.5	262.6
158	98.2	49.0	147.2

Manual Integrations
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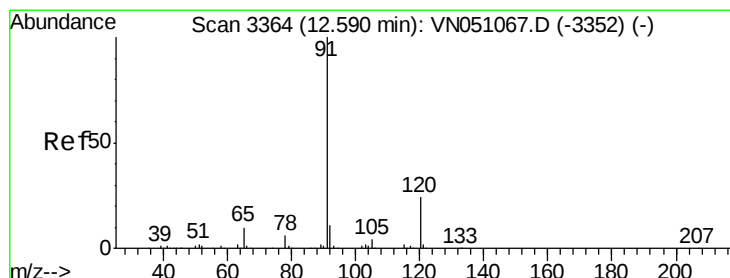
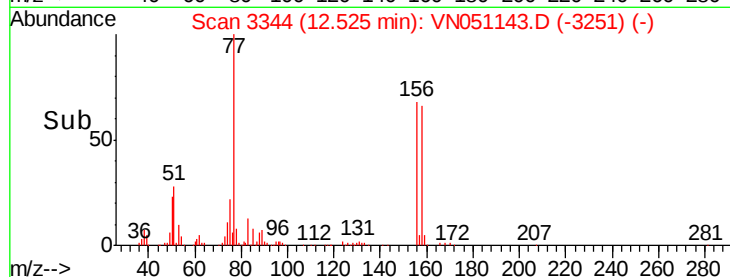
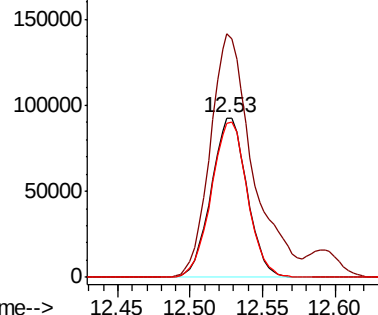
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.64 ug/l

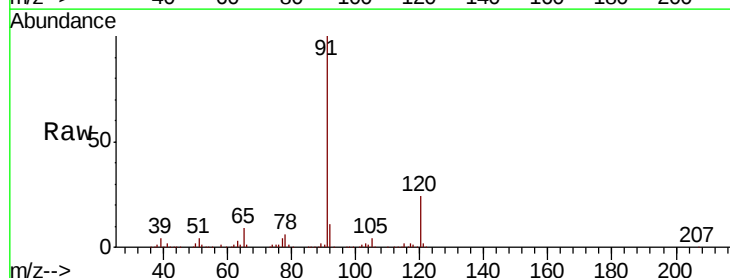
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051143.D

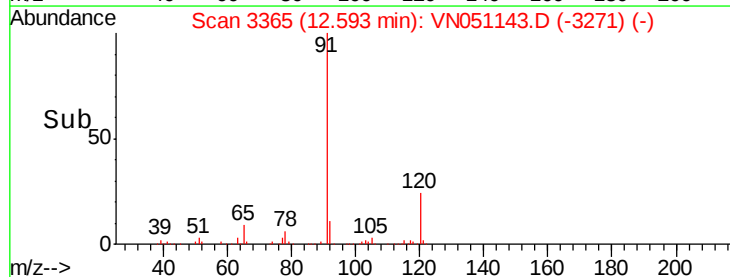
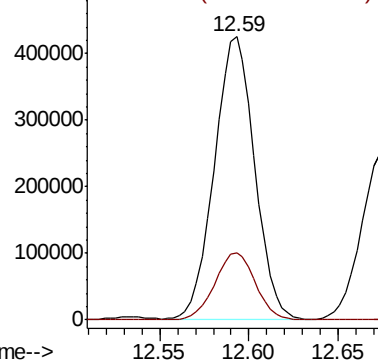
Acq: 12 Sep 2018 11:17

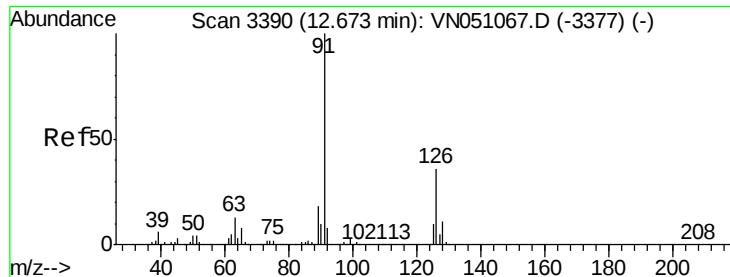
Tgt Ion:	91	Resp:	666734
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.66 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0912WBSD01

Tot Ion: 91 Resp: 416974

Ion Ratio Lower Upper

91 100

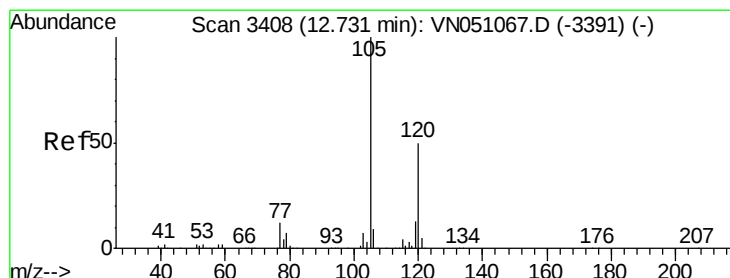
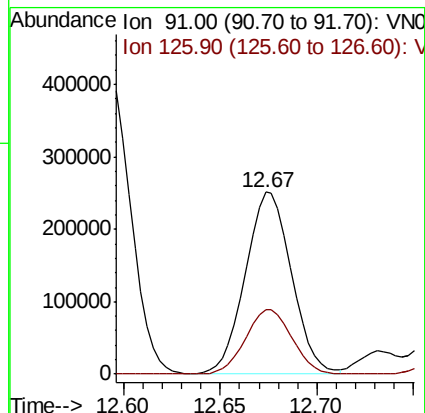
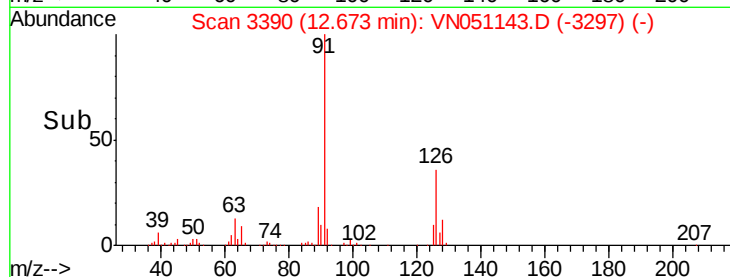
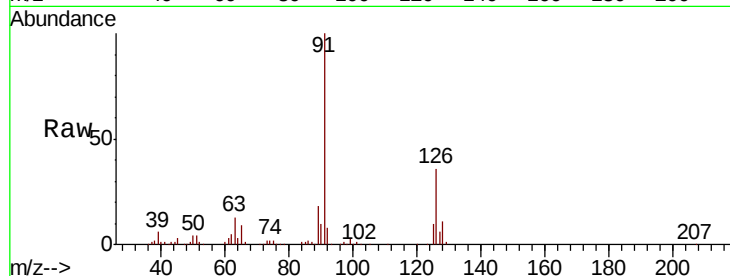
126 35.9 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.05 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051143.D

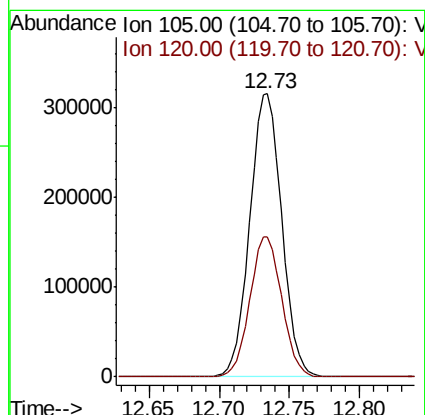
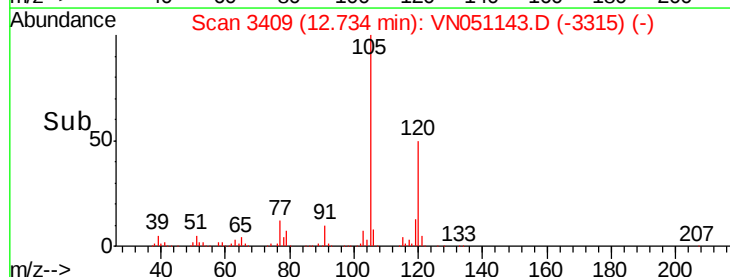
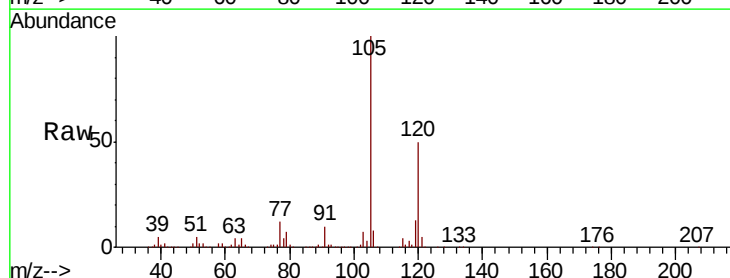
Acq: 12 Sep 2018 11:17

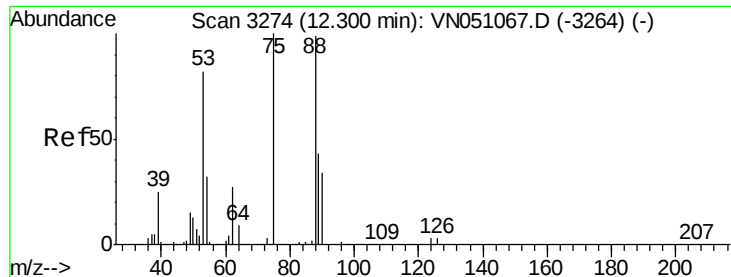
Tgt Ion: 105 Resp: 500653

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.18 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

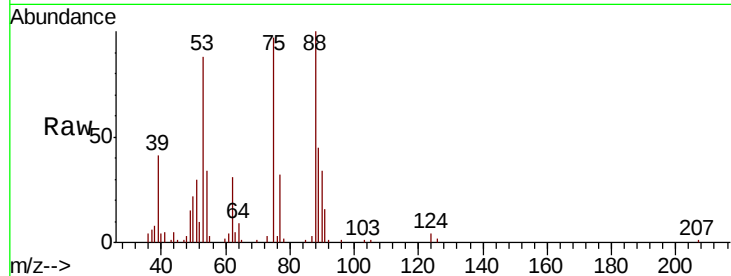
ClientSampleId :

VN0912WBSD01

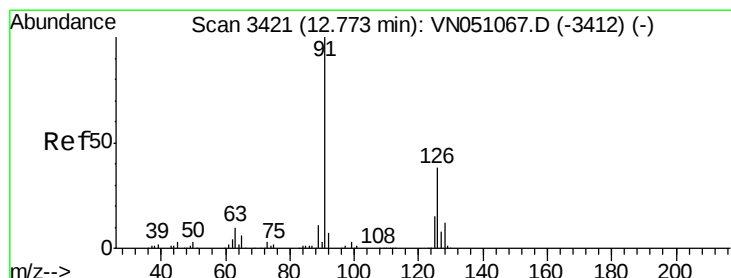
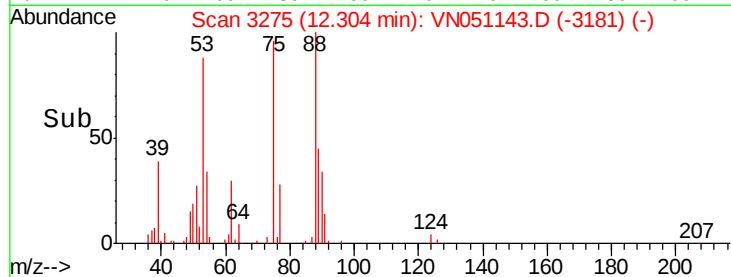
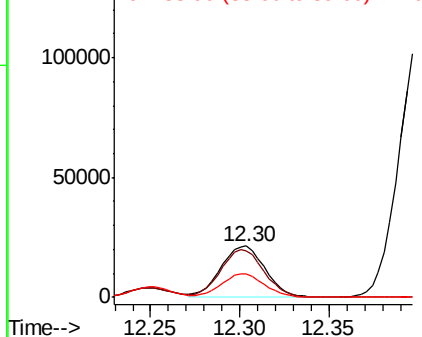
Tot Ion:	75	Resp:	37192
Ion Ratio	Lower	Upper	
75	100		
53	90.1	67.8	101.8
89	44.9	36.0	54.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.12 ug/l

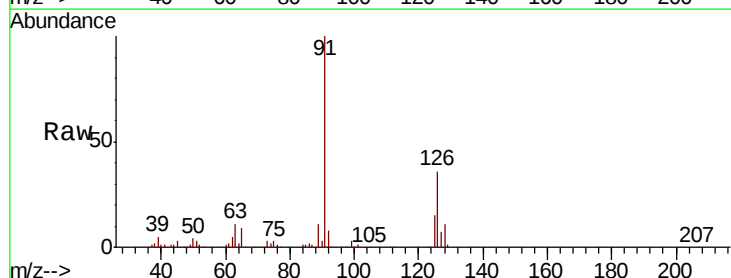
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

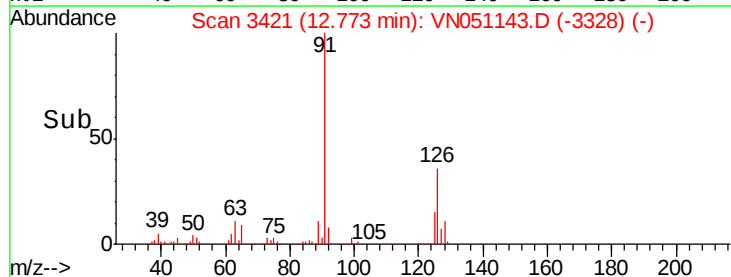
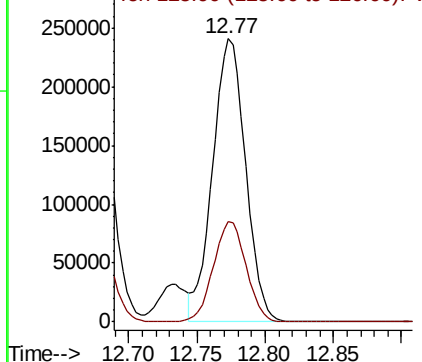
Lab File: VN051143.D

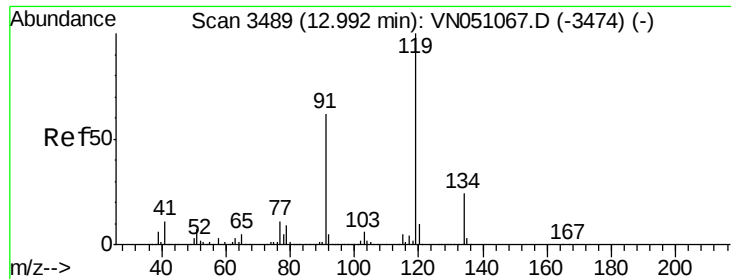
Acq: 12 Sep 2018 11:17

Tgt Ion:	91	Resp:	402624
Ion Ratio	Lower	Upper	
91	100		
126	35.3	17.6	52.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





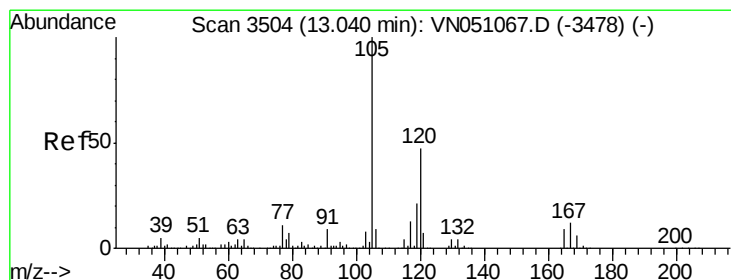
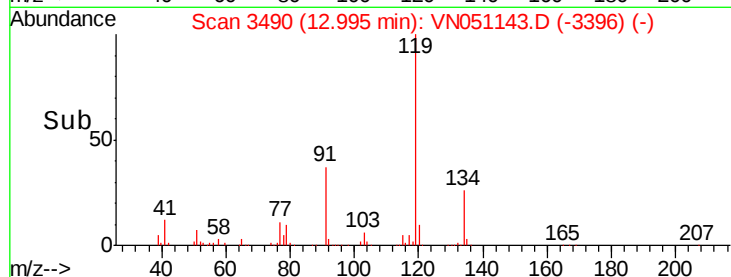
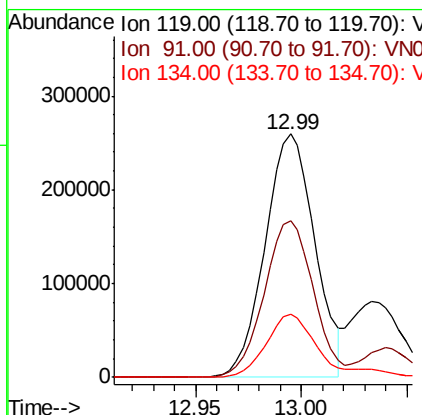
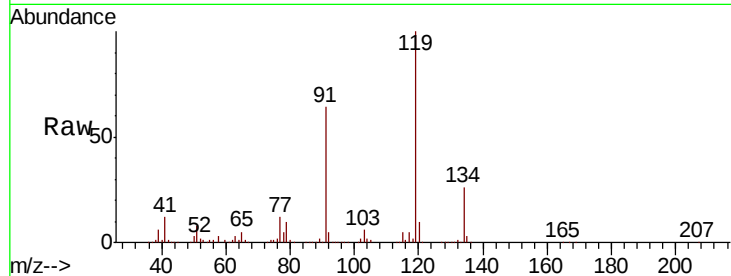
#83
 tert-Butylbenzene
 Concen: 19.34 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	426192		
91	63.4		30.8	92.3
134	25.5		13.2	39.6

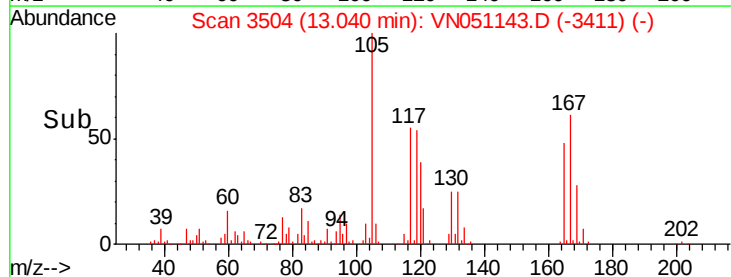
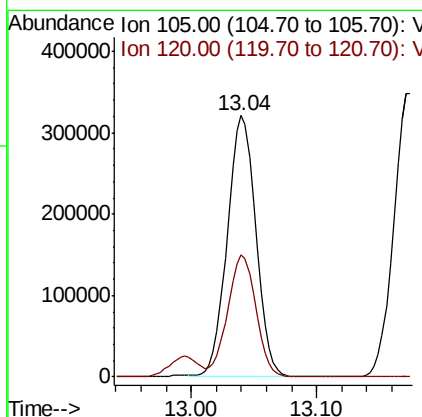
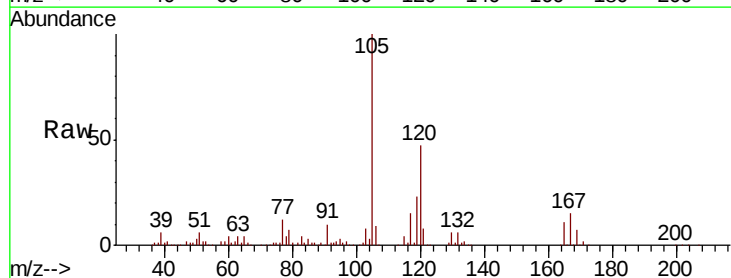
Manual Integrations
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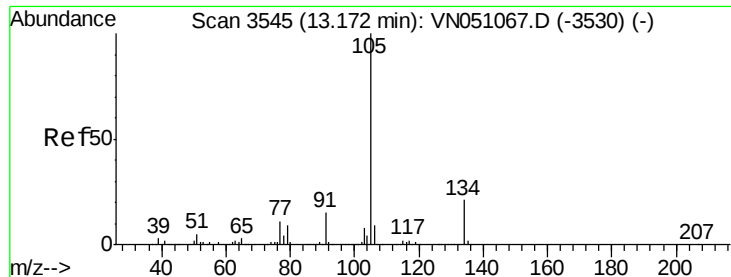
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.66 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	507058		
120	46.3		23.3	69.8





#85

sec-Butylbenzene

Concen: 19.58 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0912WBSD01

Tot Ion:105 Resp: 553283

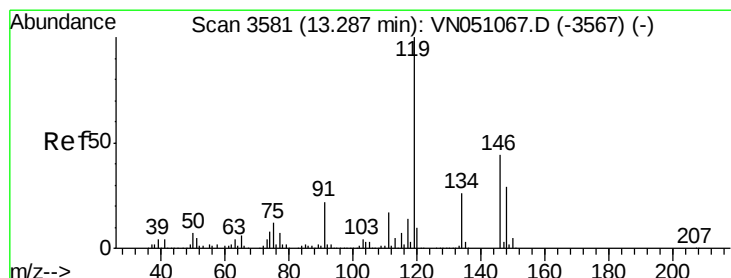
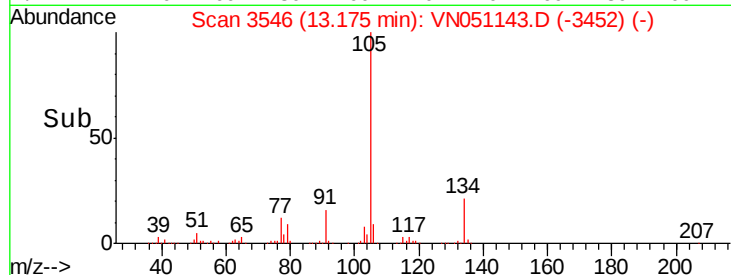
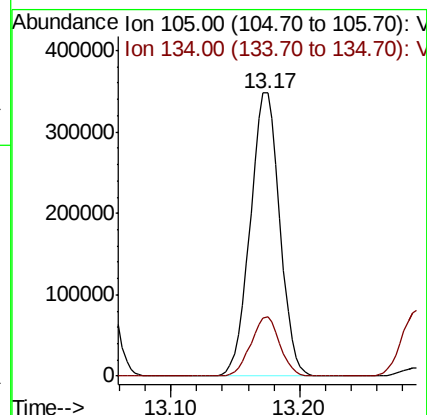
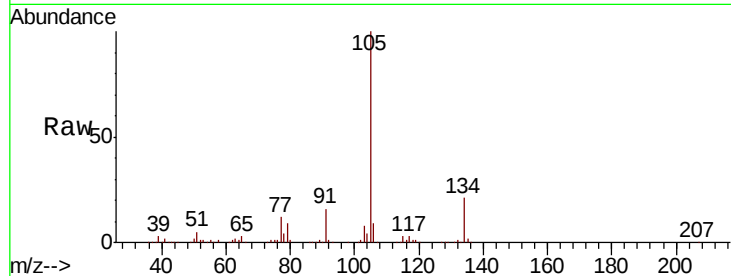
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.49 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

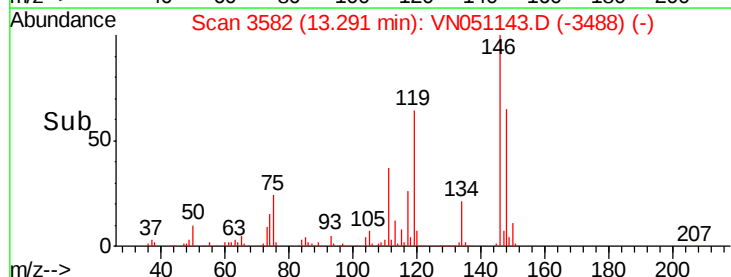
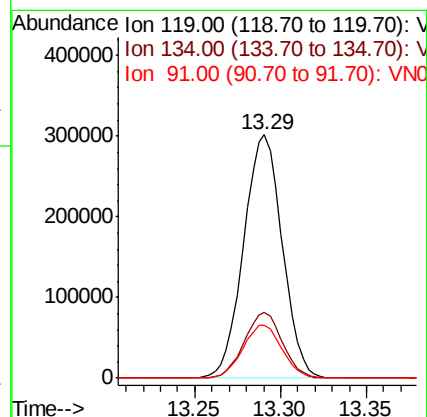
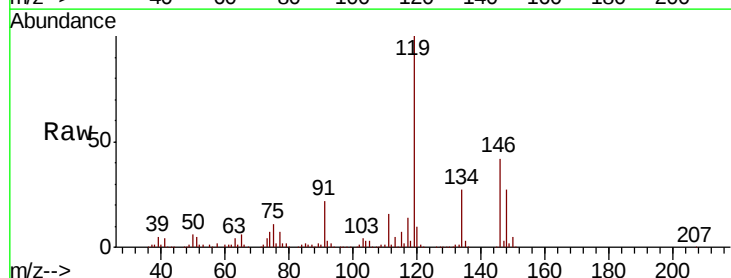
Tgt Ion:119 Resp: 467160

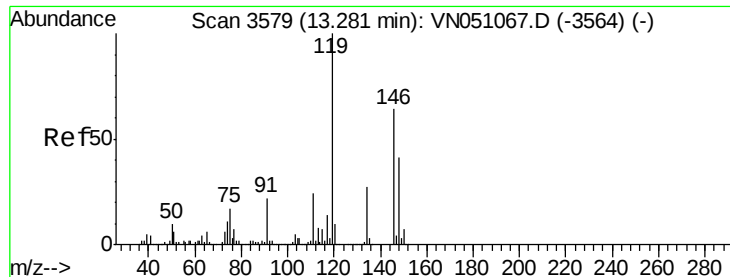
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.0 10.9 32.9





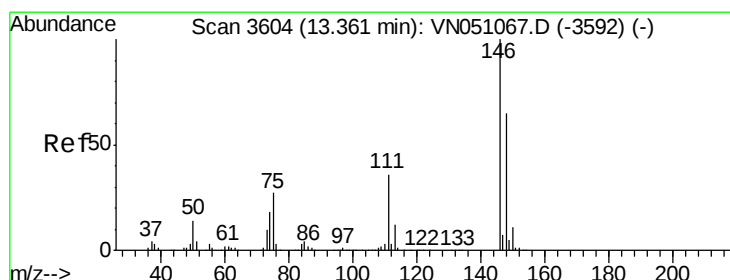
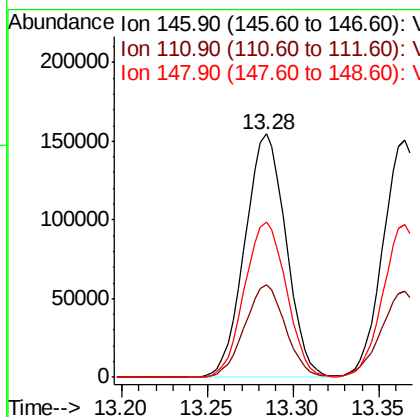
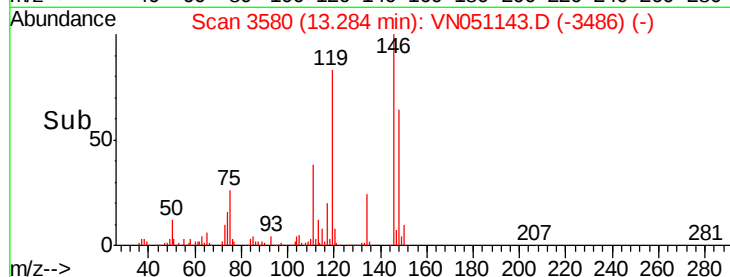
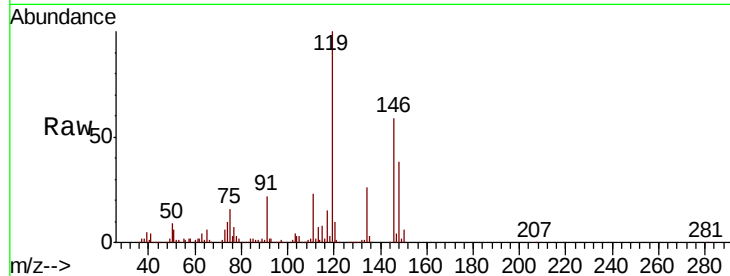
#87
 1,3-Dichlorobenzene
 Concen: 18.26 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256936		
111	37.6	19.1	57.1	
148	65.0	32.2	96.6	

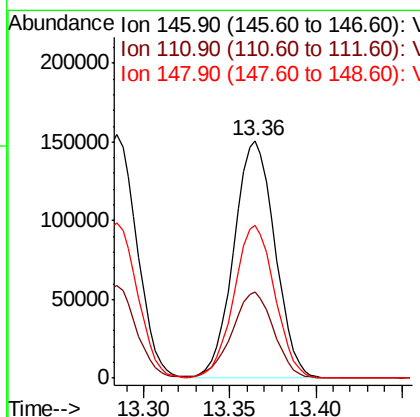
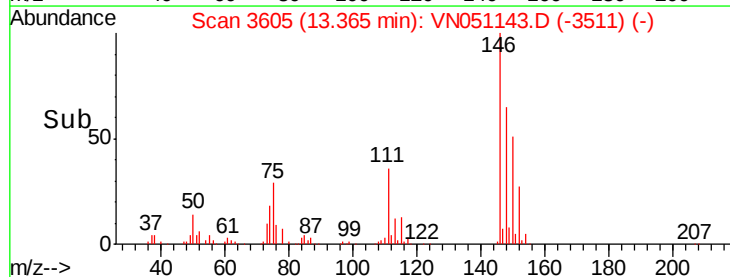
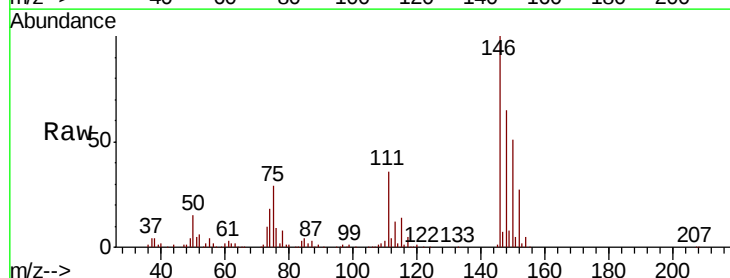
Manual Integrations
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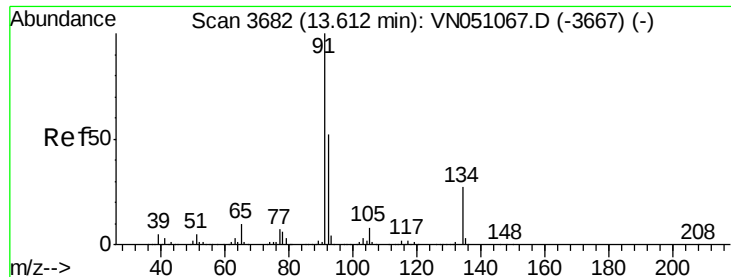
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#88
 1,4-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	250497		
111	37.2	18.4	55.0	
148	64.1	32.2	96.6	





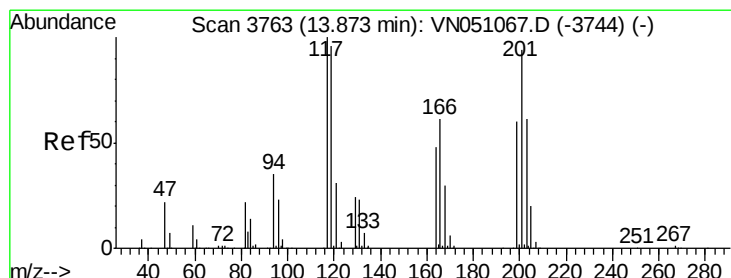
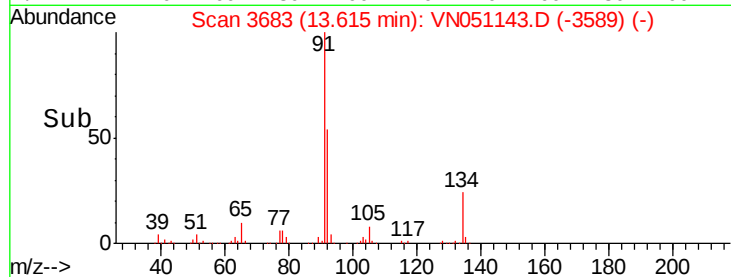
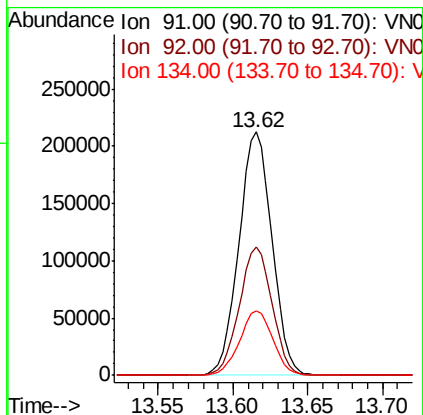
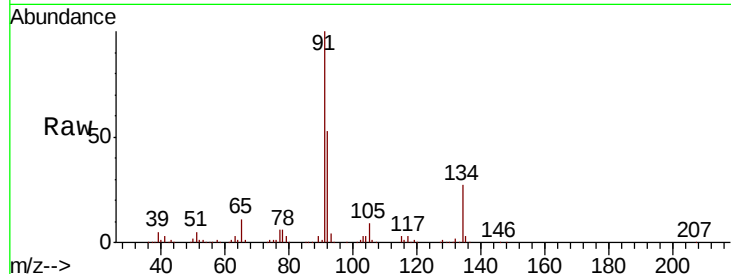
#89
n-Butylbenzene
Concen: 17.52 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	26.6	13.7	41.1

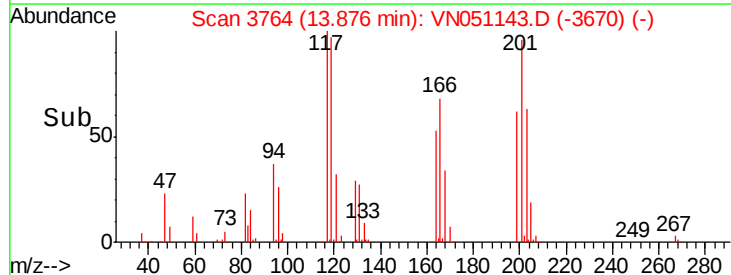
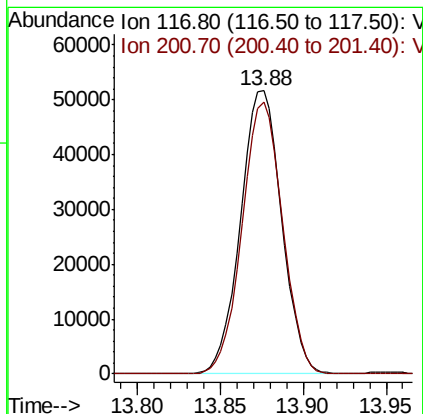
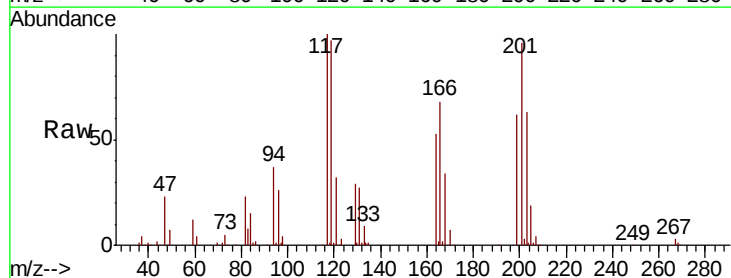
Manual Integrations
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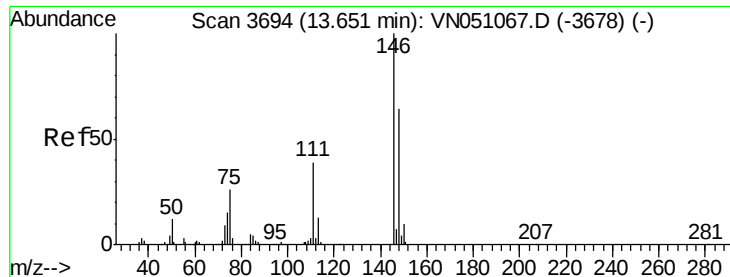
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#90
Hexachloroethane
Concen: 20.03 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051143.D
Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	47.3	142.0





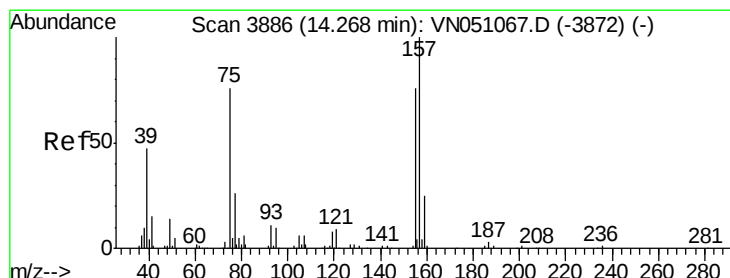
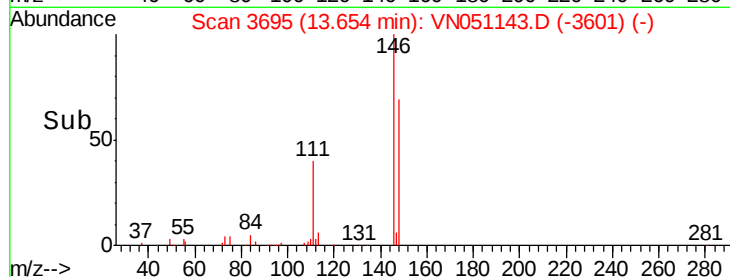
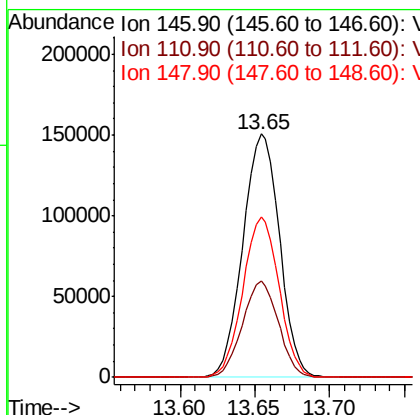
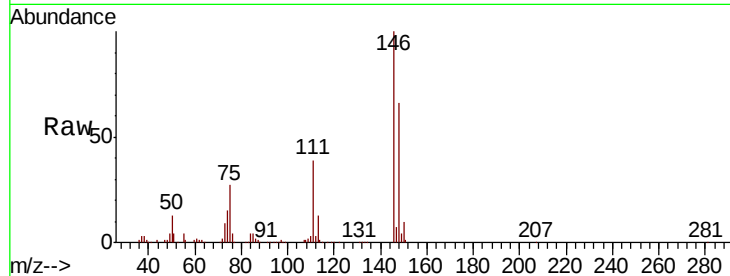
#91
 1,2-Dichlorobenzene
 Concen: 18.77 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	65.0	32.1	96.3

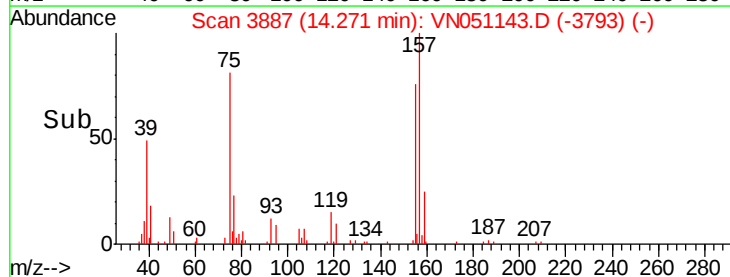
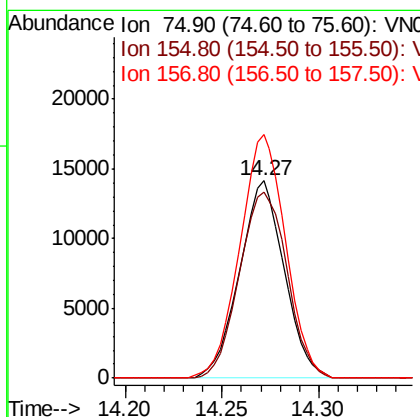
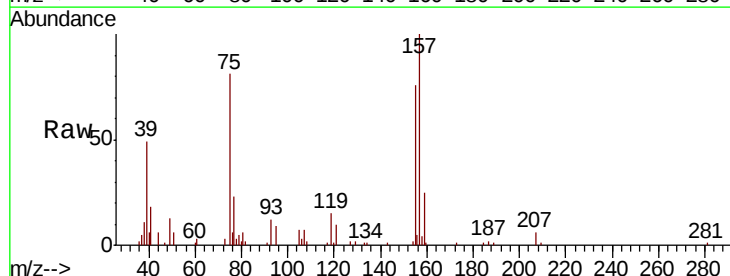
Manual Integrations
 APPROVED

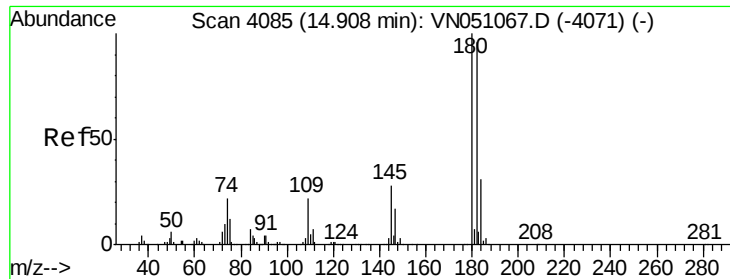
MMDadoda
 9/13/2018 5:20:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.93 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	48.7	146.1
157	126.4	63.6	190.9





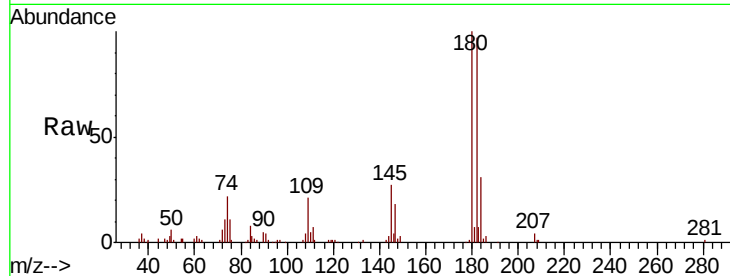
#93
 1,2,4-Trichlorobenzene
 Concen: 16.79 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

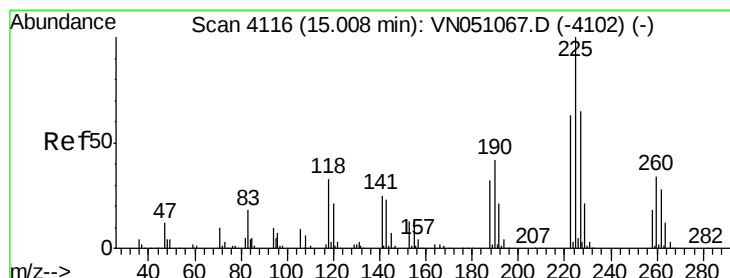
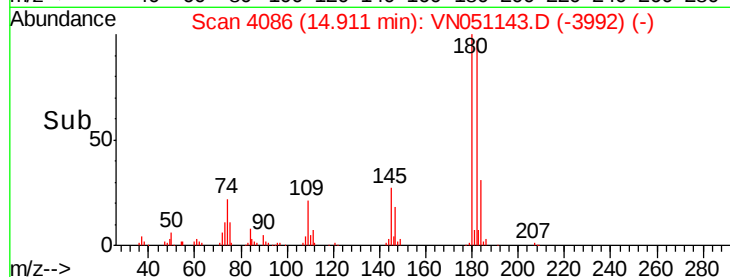
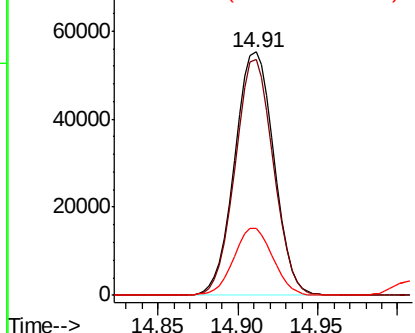
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.8
145	27.5	14.2	42.6

Manual Integrations
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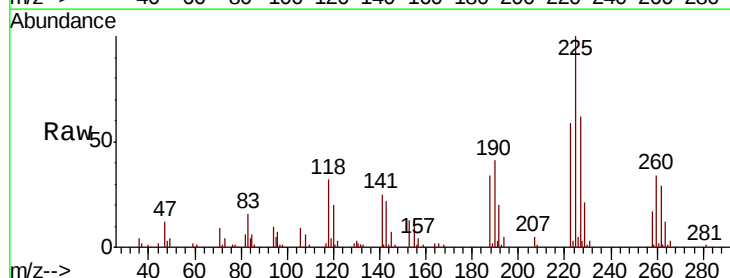


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

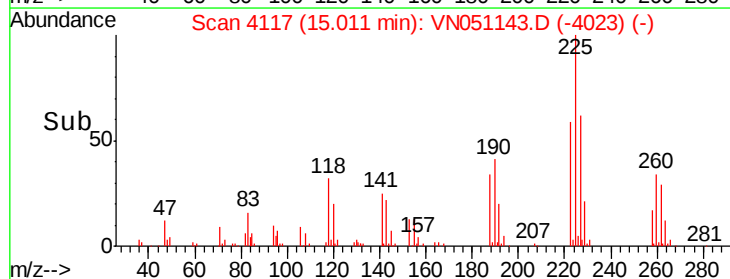
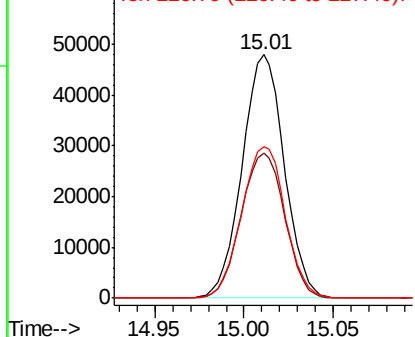


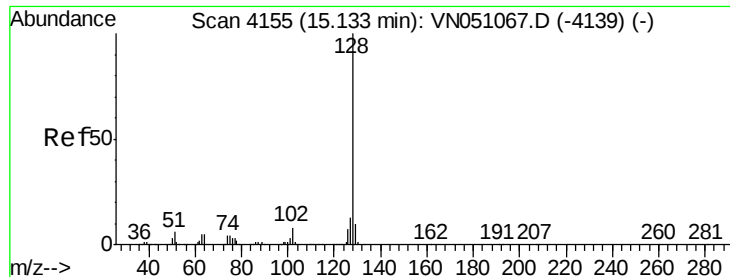
#94
 Hexachlorobutadiene
 Concen: 18.70 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051143.D
 Acq: 12 Sep 2018 11:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	31.4	94.0
227	64.4	32.1	96.3



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: 17.46 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Instrument :

MSVOA_N

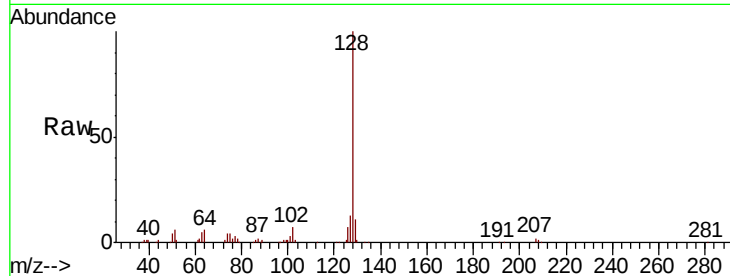
ClientSampleId :

VN0912WBSD01

Tot Ion:	128	Resp:	187908
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2018 5:20:06 PM



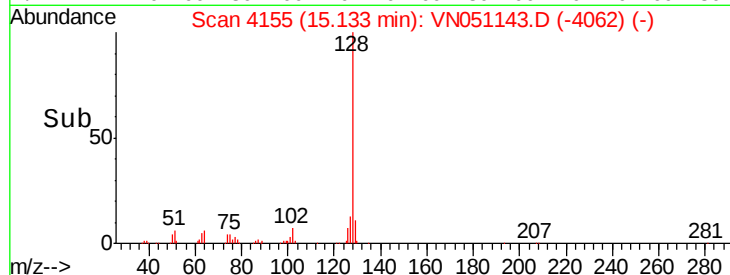
Abundance

Ion 128.00 (127.70 to 128.70): V

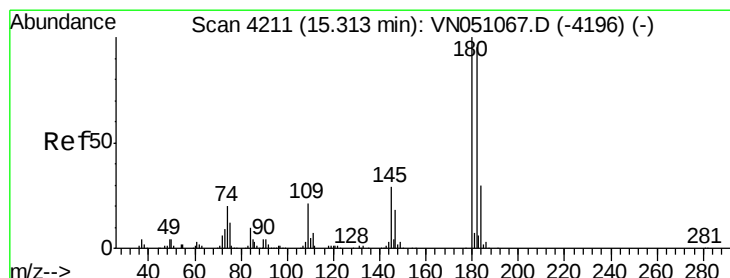
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 17.76 ug/l

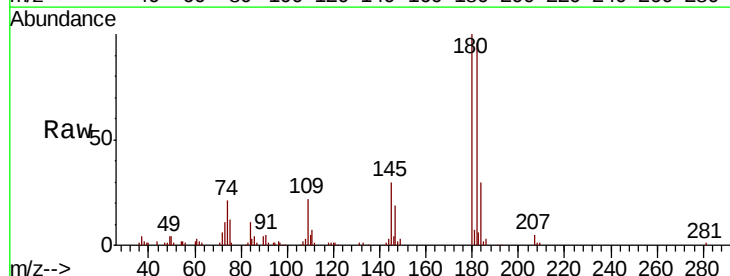
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051143.D

Acq: 12 Sep 2018 11:17

Tgt Ion:	180	Resp:	99641
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.8	143.3
145	29.8	14.6	43.8



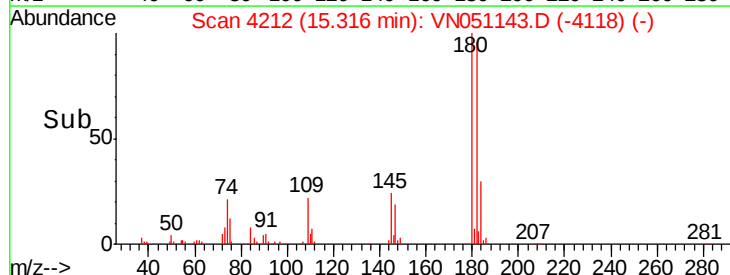
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.32



Time-->