

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051093.D
 Acq On : 10 Sep 2018 22:19
 Operator : MD\SY
 Sample : VN0910WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:41:26 AM

Quant Time: Sep 11 04:59:32 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	652325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	942440	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	852365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	387454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	389714	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	7.59	113	376575	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	10.09	98	1429718	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.40	95	452261	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	120330	19.13	ug/l	99
3) Chloromethane	2.06	50	166545	20.18	ug/l	99
4) Vinyl Chloride	2.18	62	167513	19.40	ug/l	100
5) Bromomethane	2.56	94	96891	19.28	ug/l	100
6) Chloroethane	2.70	64	100081	18.78	ug/l	98
7) Trichlorofluoromethane	3.01	101	222279	19.43	ug/l	98
8) Diethyl Ether	3.41	74	83458	19.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140547	19.06	ug/l	99
10) Methyl Iodide	3.95	142	117562	20.76	ug/l	98
11) Tert butyl alcohol	4.79	59	50561	91.19	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	132391	19.03	ug/l	97
13) Acrolein	3.61	56	64025	109.69	ug/l	98
14) Allyl chloride	4.33	41	198545	18.73	ug/l	99
15) Acrylonitrile	5.00	53	241340	98.23	ug/l	99
16) Acetone	3.82	43	162792	86.89	ug/l	99
17) Carbon Disulfide	4.05	76	389185	19.05	ug/l	99
18) Methyl Acetate	4.33	43	109723	18.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	359457	19.54	ug/l	98
20) Methylene Chloride	4.55	84	153633	19.16	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142433	18.87	ug/l	98
22) Diisopropyl ether	5.96	45	432821	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	1408804	98.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261150	19.56	ug/l	99
25) 2-Butanone	6.84	43	254731	89.25	ug/l	96
26) 2,2-Dichloropropane	6.83	77	185206	16.95	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	159374	19.25	ug/l	98
28) Bromochloromethane	7.20	49	118682	19.97	ug/l	100
29) Tetrahydrofuran	7.22	42	175139	98.26	ug/l	99
30) Chloroform	7.37	83	264391	19.91	ug/l	97
31) Cyclohexane	7.65	56	233797	19.50	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	224829	19.87	ug/l	100
36) 1,1-Dichloropropene	7.79	75	197616	19.10	ug/l	100
37) Ethyl Acetate	6.93	43	119896	20.01	ug/l	100
38) Carbon Tetrachloride	7.77	117	201262	19.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	211941	18.56	ug/l	98
40) Benzene	8.04	78	616215	19.76	ug/l	99
41) Methacrylonitrile	7.18	41	63254m	20.46	ug/l	
42) 1,2-Dichloroethane	8.13	62	182456	20.08	ug/l	100
43) Isopropyl Acetate	8.17	43	206351	19.52	ug/l #	89
44) Trichloroethene	8.83	130	162880	19.10	ug/l	99
45) 1,2-Dichloropropane	9.12	63	161589	20.06	ug/l	99
46) Dibromomethane	9.21	93	95952	19.52	ug/l	99
47) Bromodichloromethane	9.40	83	197051	19.71	ug/l	99
48) Methyl methacrylate	9.20	41	103282	20.04	ug/l	98
49) 1,4-Dioxane	9.20	88	30485	377.27	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	592093	101.26	ug/l	99
52) Toluene	10.16	92	381962	20.09	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	186170	18.61	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	223447	19.05	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137400	19.89	ug/l	98
56) Ethyl methacrylate	10.43	69	162102	19.09	ug/l	97
57) 1,3-Dichloropropane	10.71	76	227544	19.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	329054	94.54	ug/l	100
59) 2-Hexanone	10.75	43	369375	93.15	ug/l	98
60) Dibromochloromethane	10.90	129	154132	19.80	ug/l	99
61) 1,2-Dibromoethane	11.01	107	136385	20.20	ug/l	98
64) Tetrachloroethene	10.63	164	154629	19.88	ug/l	98
65) Chlorobenzene	11.43	112	418641	19.48	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	153268	19.81	ug/l	100
67) Ethyl Benzene	11.51	91	684487	19.67	ug/l	100
68) m/p-Xylenes	11.62	106	538900	40.31	ug/l	99
69) o-Xylene	11.95	106	255120	19.71	ug/l	97
70) Styrene	11.96	104	403215	20.08	ug/l	99
71) Bromoform	12.13	173	106955	19.64	ug/l #	99
73) Isopropylbenzene	12.25	105	674392	20.75	ug/l	100
74) N-amyl acetate	12.07	43	157399	19.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174274	22.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144368m	23.24	ug/l	
77) Bromobenzene	12.53	156	176943	20.27	ug/l	98
78) n-propylbenzene	12.59	91	733954	20.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	456699	20.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	550605	20.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37252	18.26	ug/l	94
82) 4-Chlorotoluene	12.77	91	442899	19.99	ug/l	100
83) tert-Butylbenzene	12.99	119	475038	20.48	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	542587	21.01	ug/l	99
85) sec-Butylbenzene	13.17	105	613949	20.64	ug/l	99
86) p-Isopropyltoluene	13.29	119	528052	20.94	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	281229	18.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	271434	19.97	ug/l	99
89) n-Butylbenzene	13.62	91	370794	18.89	ug/l	98
90) Hexachloroethane	13.87	117	96158	20.58	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	278118	19.28	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21509	19.78	ug/l	98

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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	101799	17.42	ug/l	99
94) Hexachlorobutadiene	15.01	225	88498	19.99	ug/l	98
95) Naphthalene	15.13	128	192282	17.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	108035	18.21	ug/l	98

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

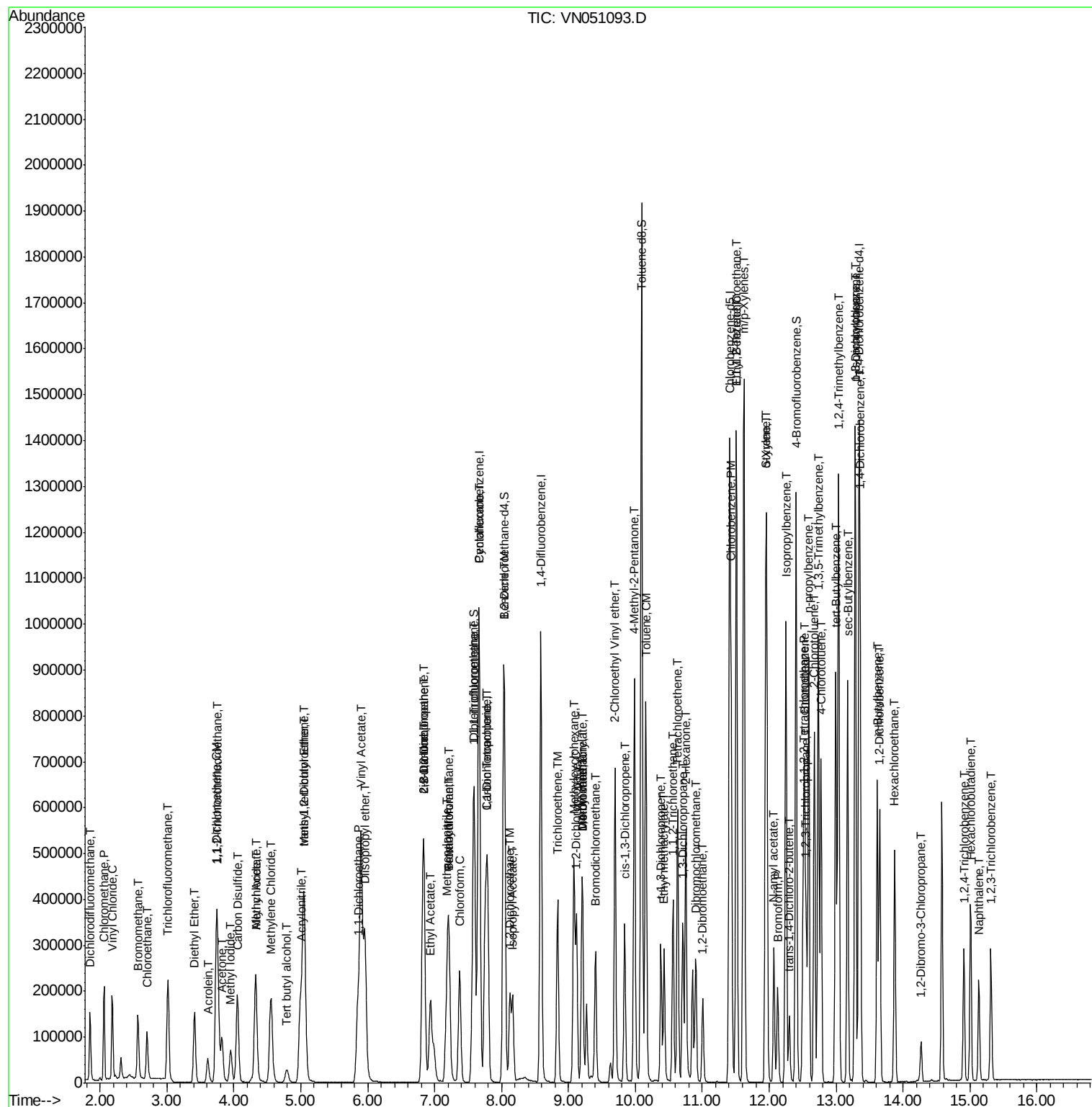
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
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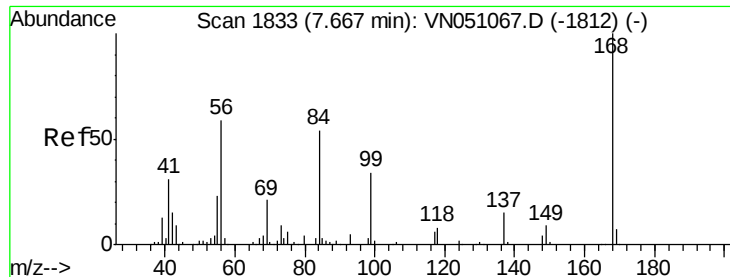
Instrument :
 MSVOA_N
 Client Sampled :
 VN0910WBS02

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:168 Resp: 652325

Ion Ratio Lower Upper

168 100

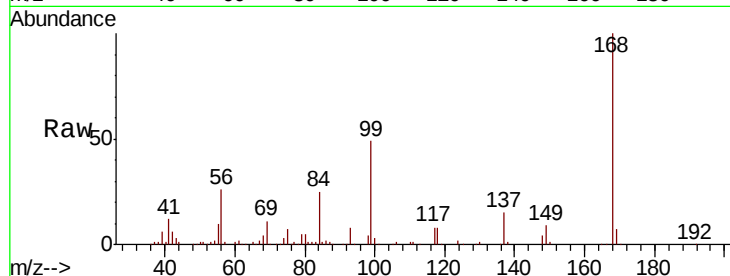
99 48.4 38.3 57.5

Manual Integrations

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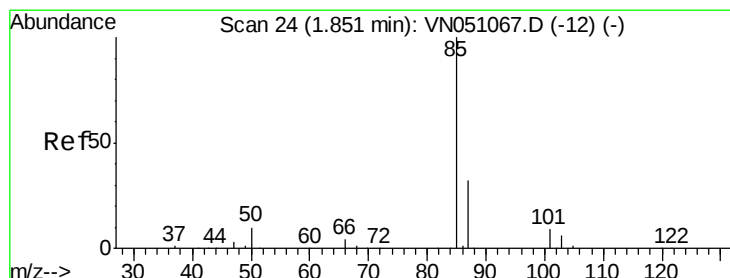
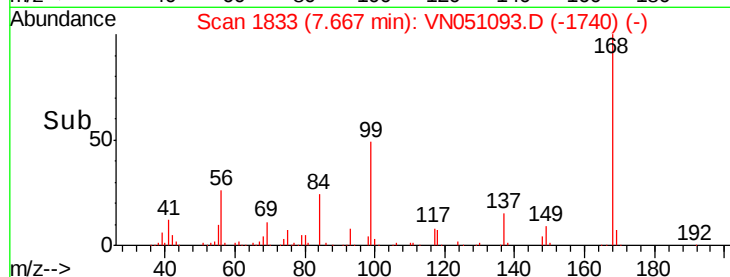
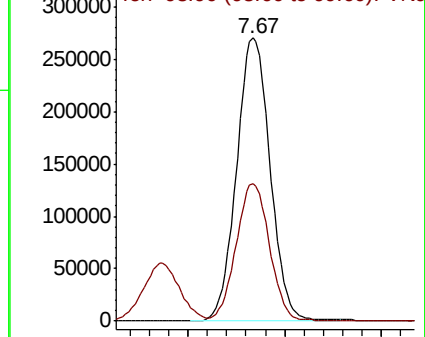
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.13 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051093.D

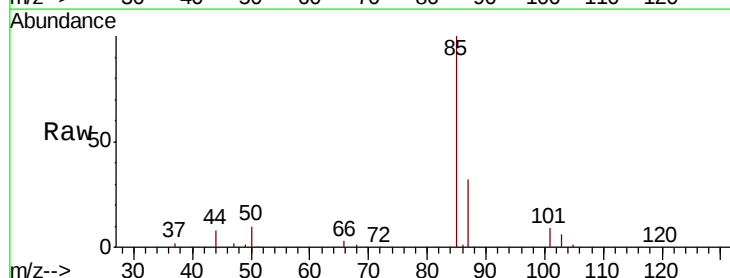
Acq: 10 Sep 2018 22:19

Tgt Ion: 85 Resp: 120330

Ion Ratio Lower Upper

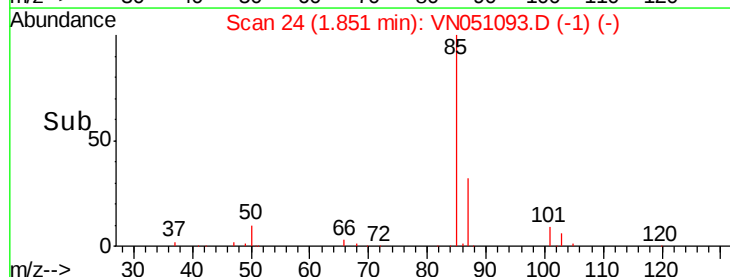
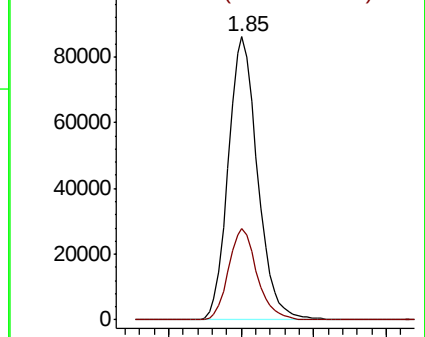
85 100

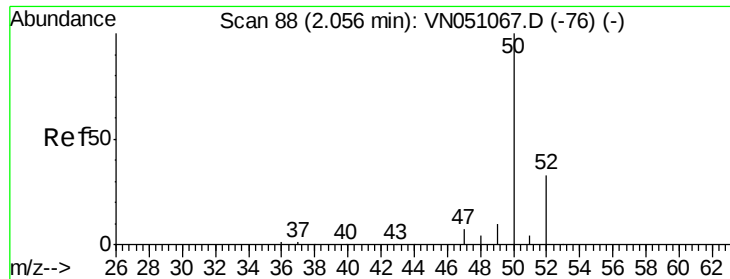
87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.18 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 50 Resp: 166545

Ion Ratio Lower Upper

50 100

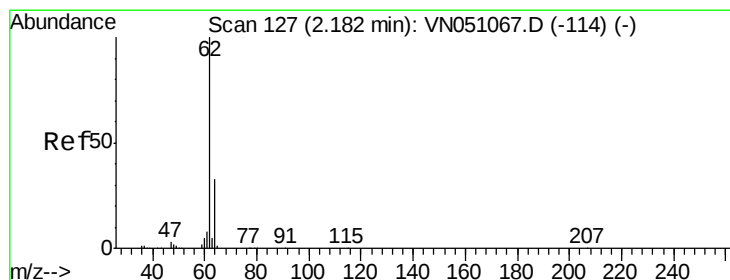
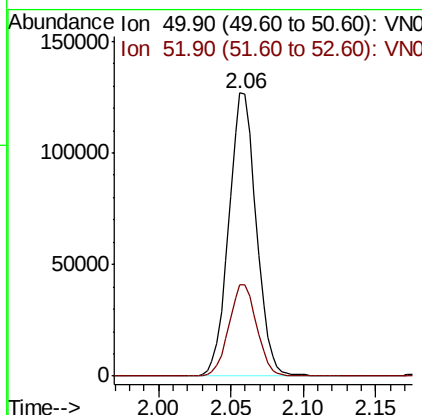
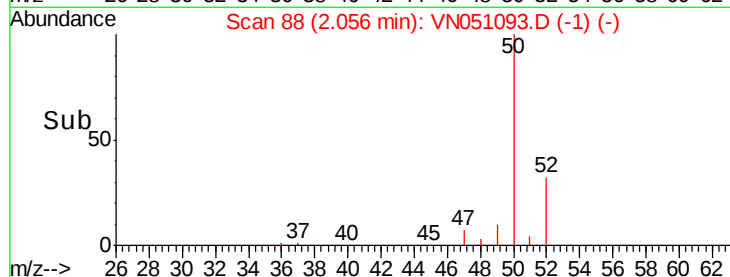
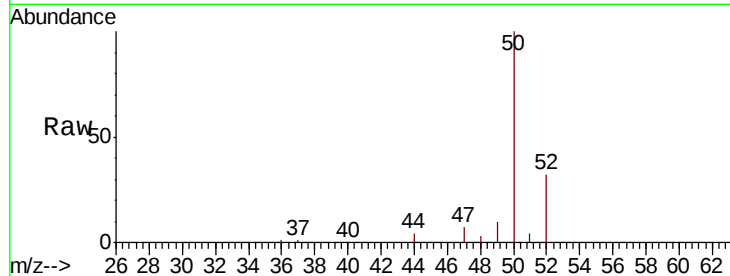
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.40 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051093.D

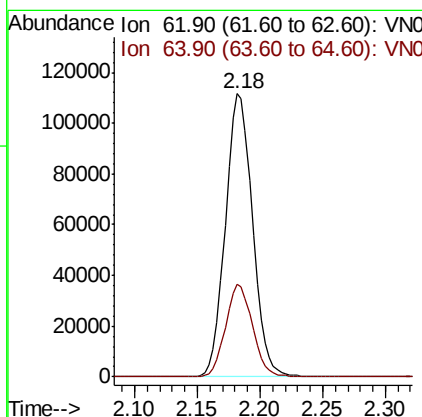
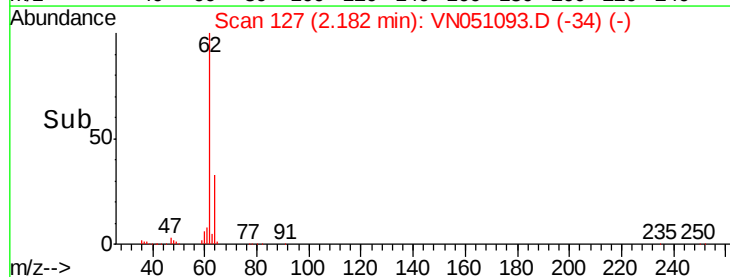
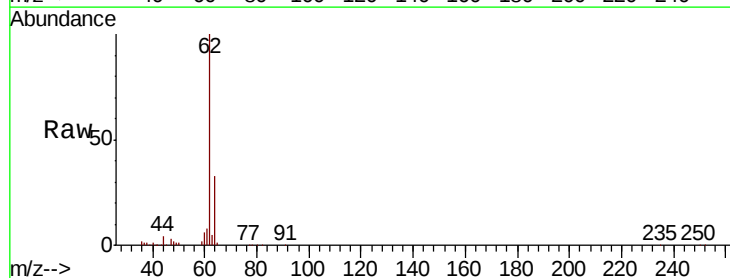
Acq: 10 Sep 2018 22:19

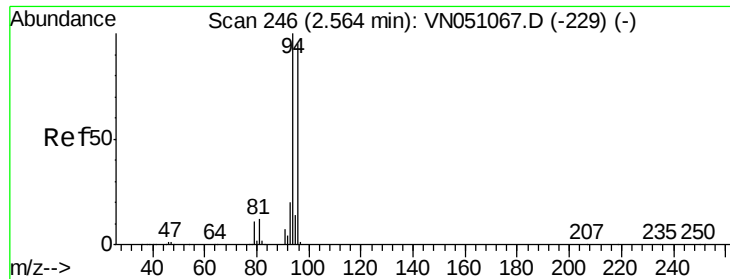
Tgt Ion: 62 Resp: 167513

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.4





#5

Bromomethane

Concen: 19.28 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

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Tot Ion: 94 Resp: 96891

Ion Ratio Lower Upper

94 100

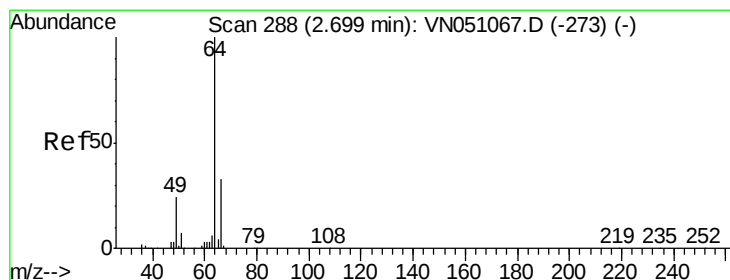
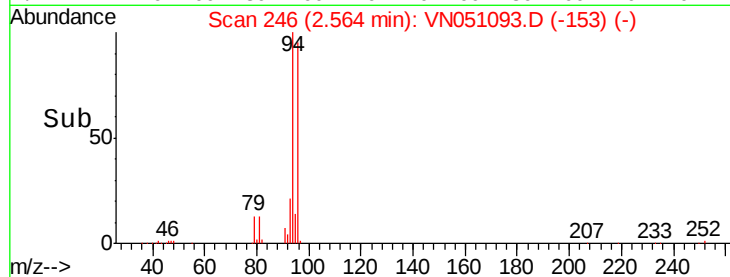
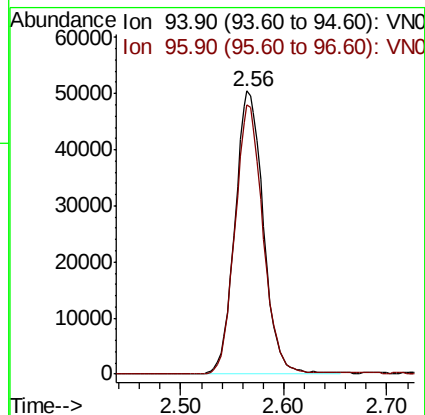
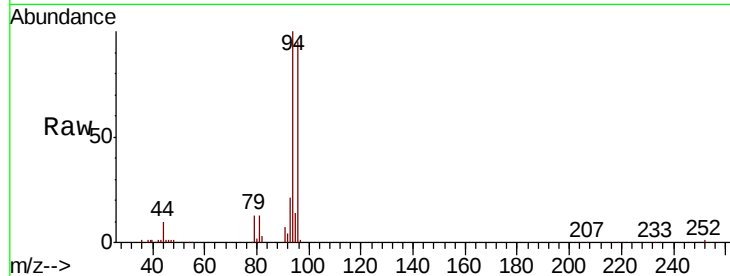
96 95.1 75.9 113.9

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#6

Chloroethane

Concen: 18.78 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051093.D

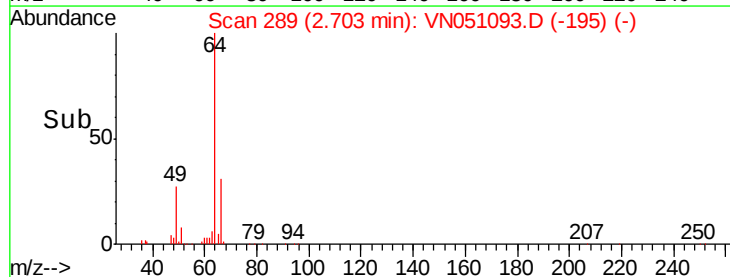
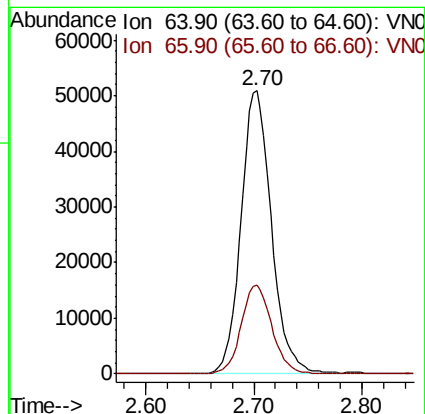
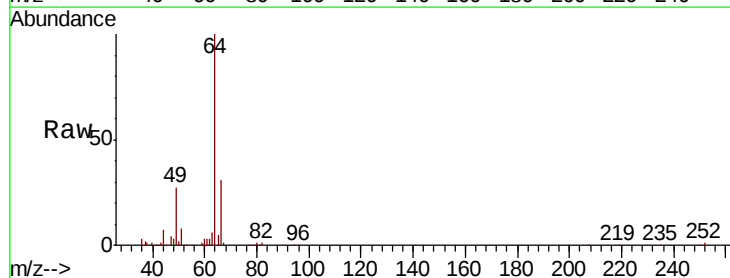
Acq: 10 Sep 2018 22:19

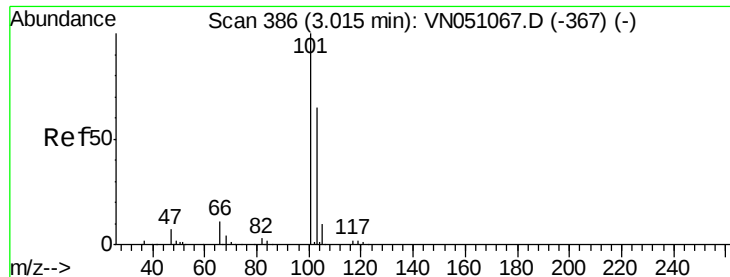
Tgt Ion: 64 Resp: 100081

Ion Ratio Lower Upper

64 100

66 31.3 26.1 39.1





#7

Trichlorofluoromethane

Concen: 19.43 ug/l

RT: 3.01 min Scan# 386

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:101 Resp: 222279

Ion Ratio Lower Upper

101 100

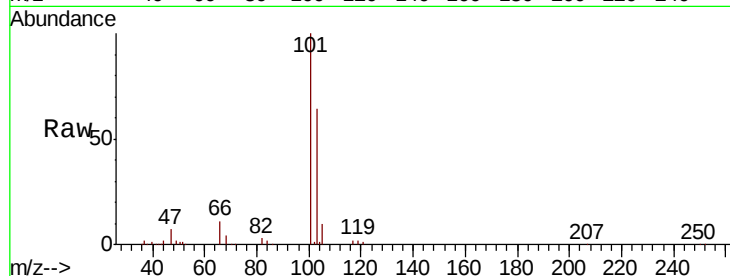
103 64.0 52.4 78.6

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

120000

100000

80000

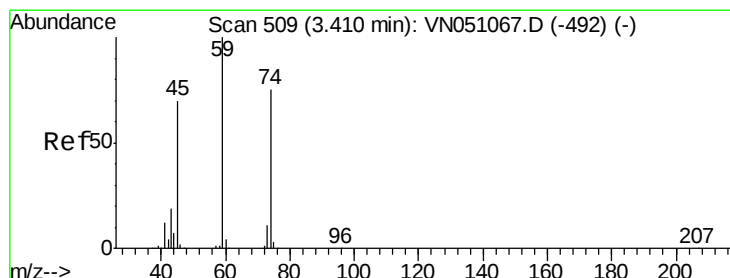
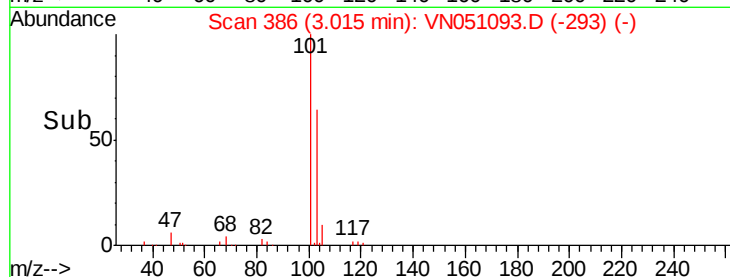
60000

40000

20000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 19.83 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN051093.D

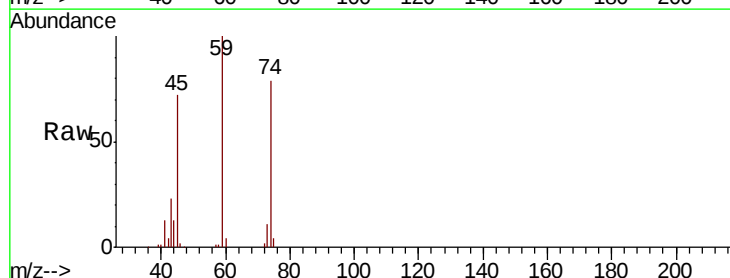
Acq: 10 Sep 2018 22:19

Tgt Ion: 74 Resp: 83458

Ion Ratio Lower Upper

74 100

45 90.9 46.7 140.0



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

40000

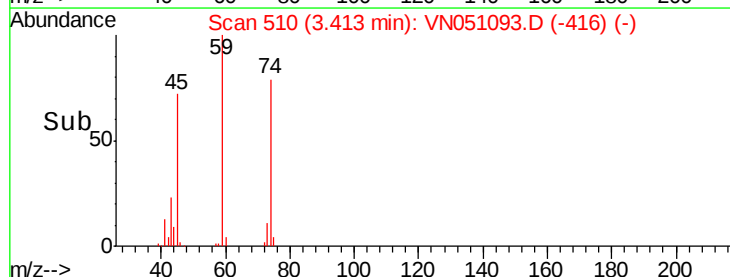
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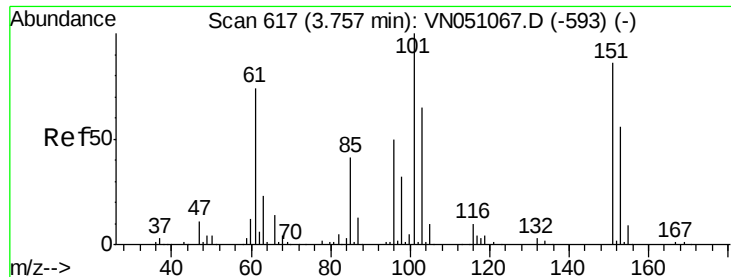
20000

10000

0

Time--> 3.30 3.35 3.40 3.45 3.50





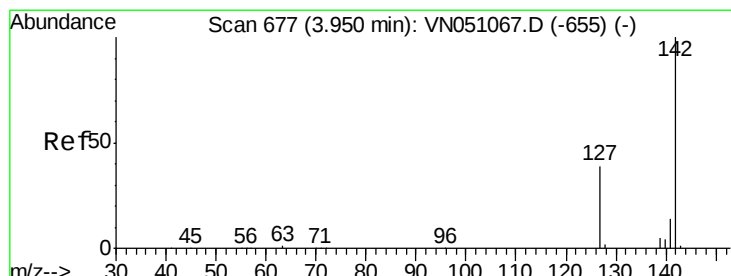
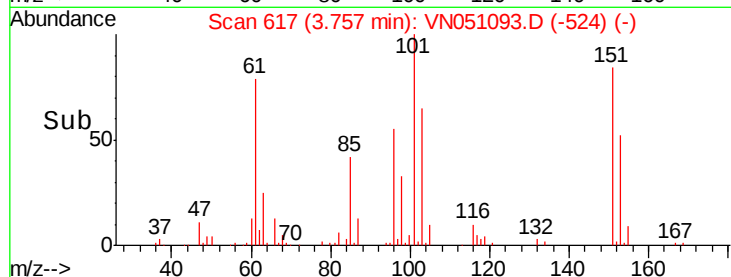
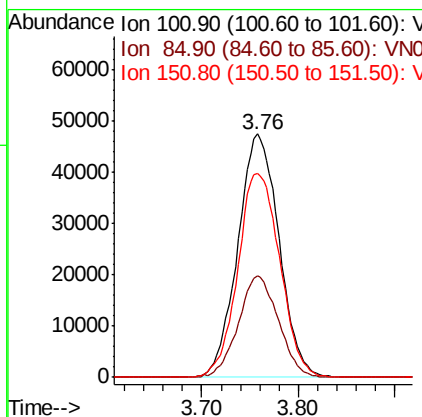
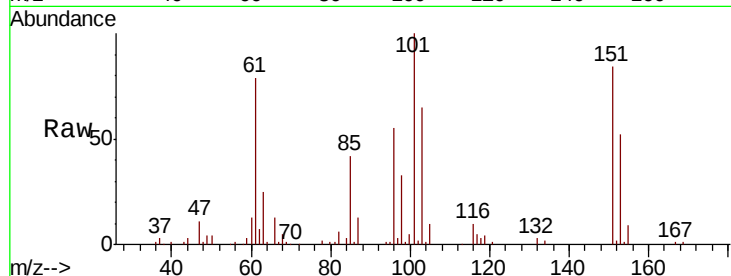
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.06 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.4	33.3	49.9
151	85.5	68.2	102.2

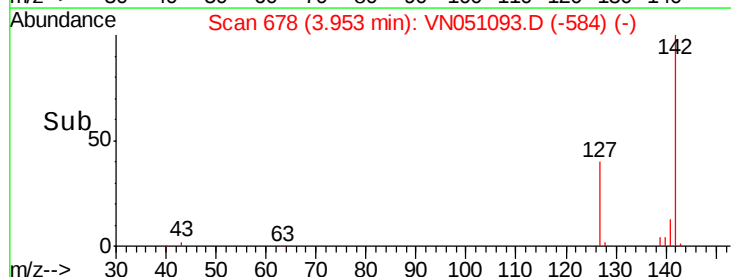
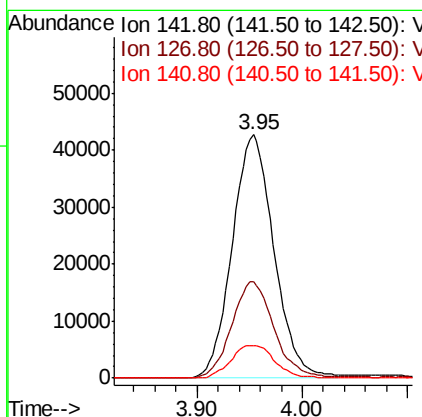
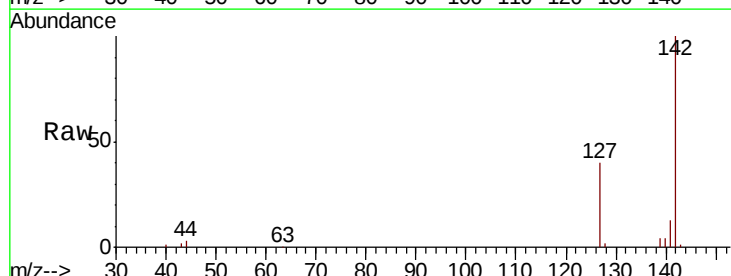
Manual Integrations
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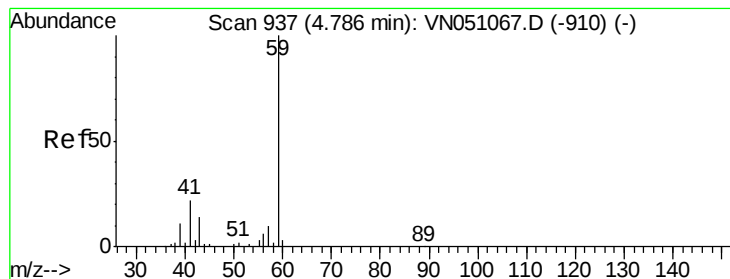
MMDadoda
9/11/2018 9:41:26 AM



#10
Methyl Iodide
Concen: 20.76 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.2	31.0	46.4
141	14.0	11.3	16.9





#11

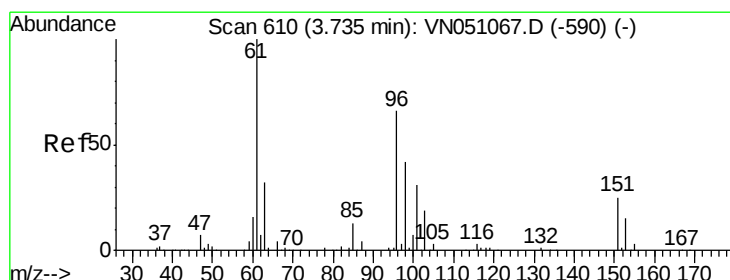
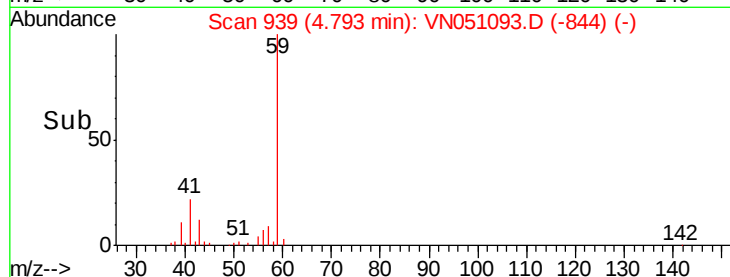
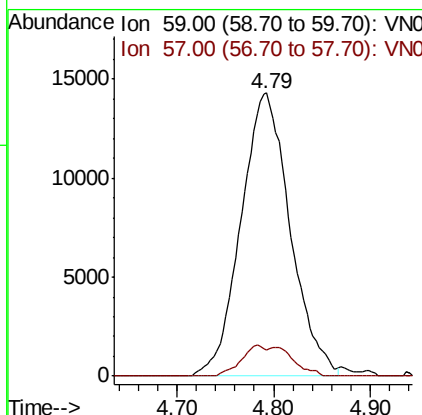
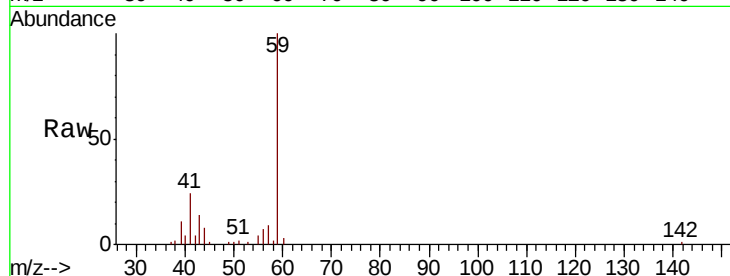
Tert butyl alcohol
 Concen: 91.19 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.1	12.1#

Manual Integrations
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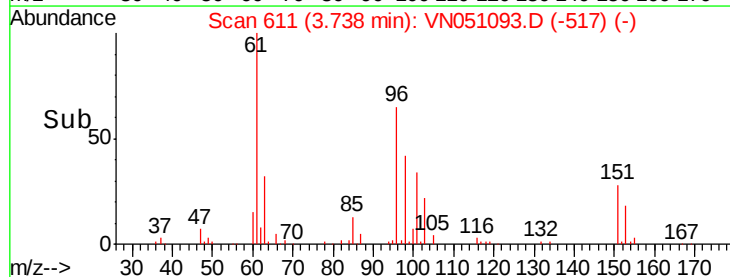
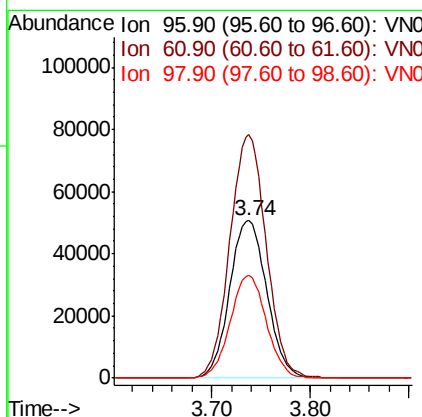
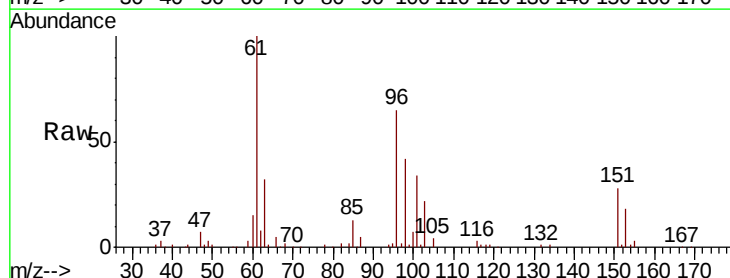
MMDadoda
 9/11/2018 9:41:26 AM

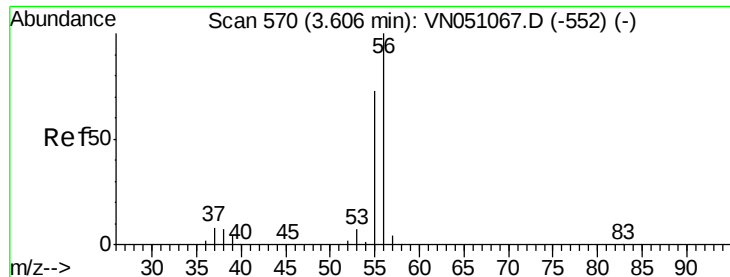


#12

1,1-Dichloroethene
 Concen: 19.03 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.7	120.3	180.5
98	65.2	50.8	76.2





#13

Acrolein

Concen: 109.69 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 56 Resp: 64025

Ion Ratio Lower Upper

56 100

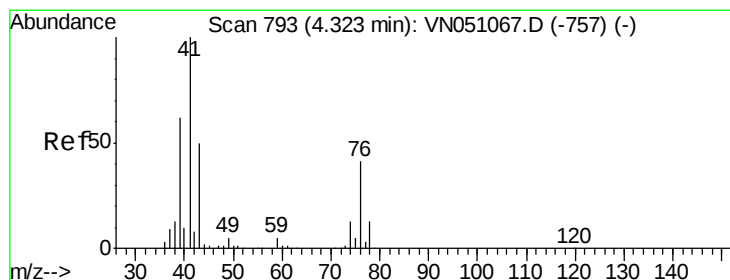
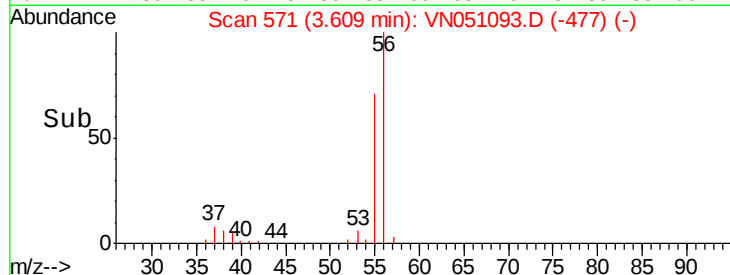
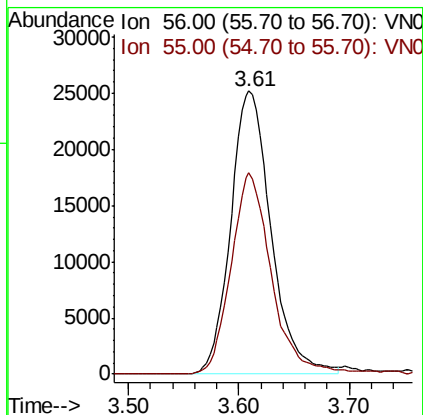
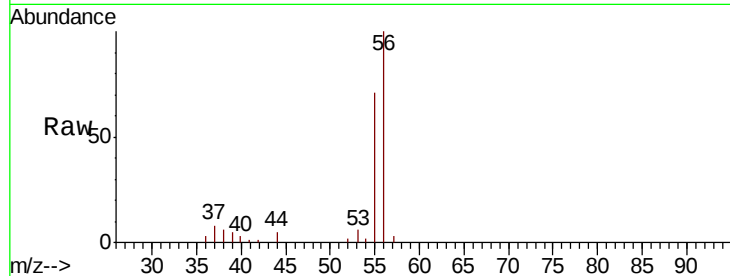
55 70.9 58.0 87.0

Manual Integrations

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9/11/2018 9:41:26 AM



#14

Allyl chloride

Concen: 18.73 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

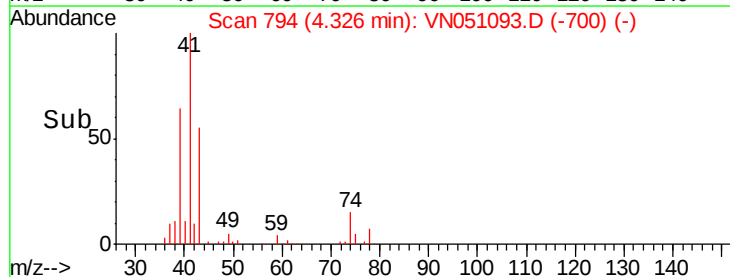
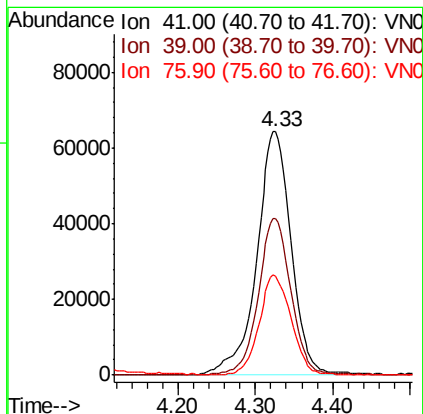
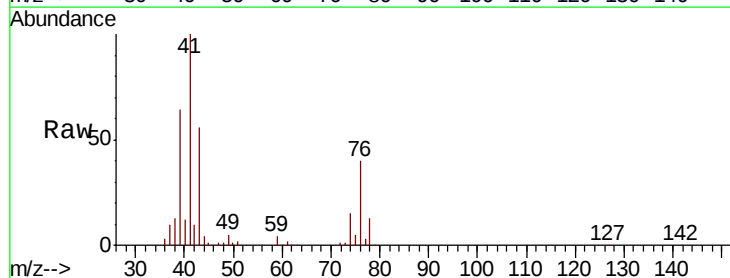
Tgt Ion: 41 Resp: 198545

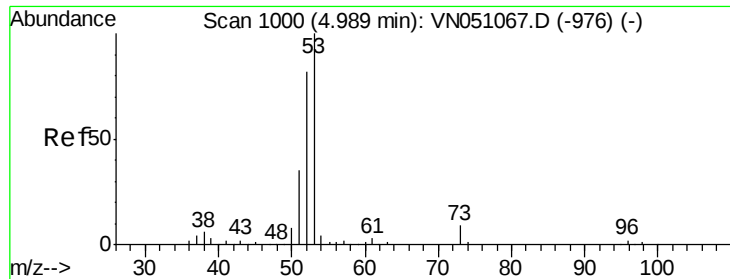
Ion Ratio Lower Upper

41 100

39 61.0 48.8 73.2

76 37.3 30.6 45.8





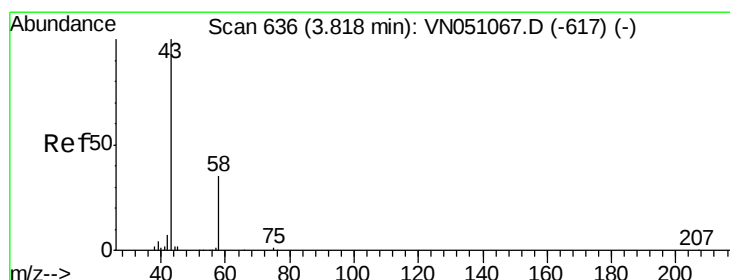
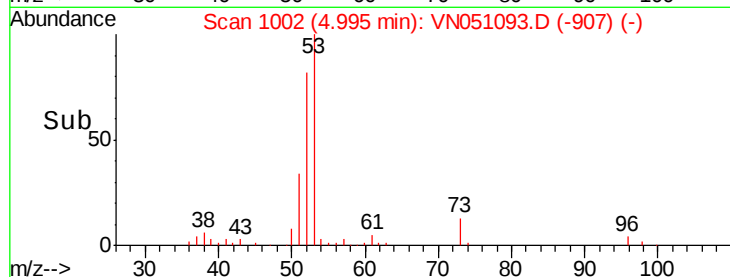
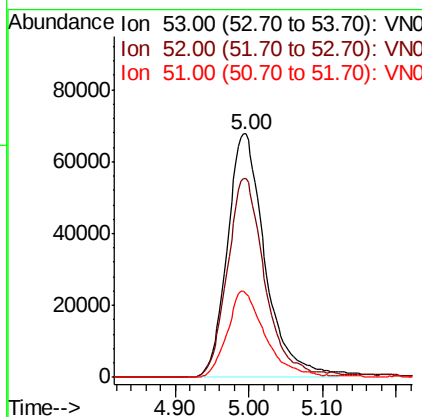
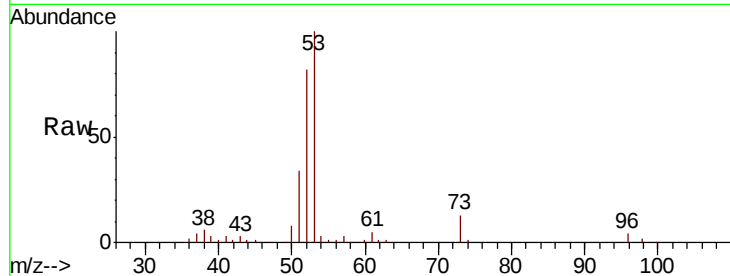
#15
 Acrylonitrile
 Concen: 98.23 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.1	65.3	97.9
51	35.4	28.2	42.2

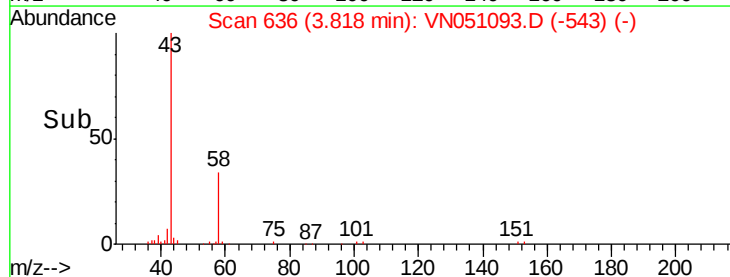
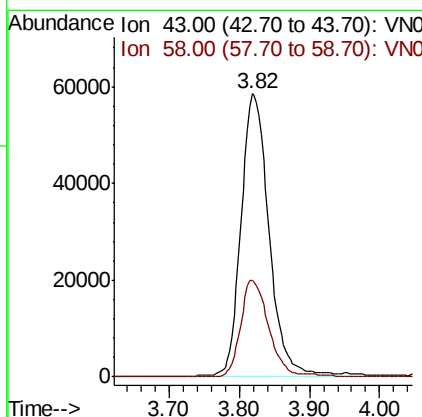
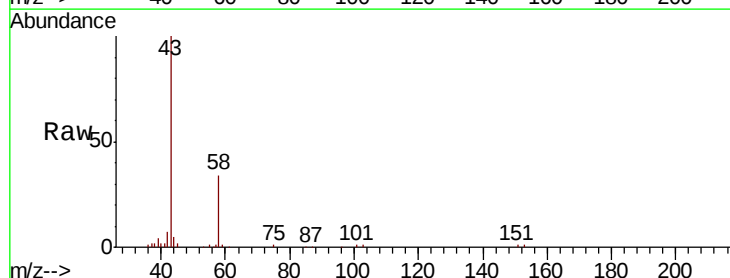
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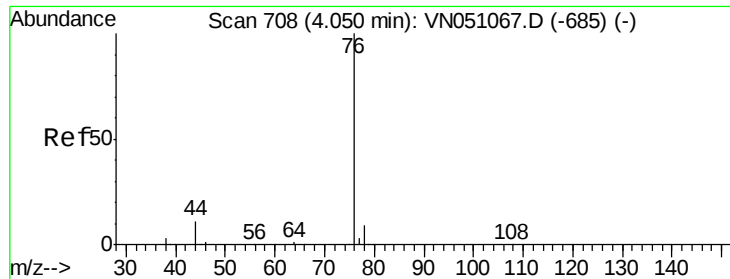
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#16
 Acetone
 Concen: 86.89 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.8	41.6





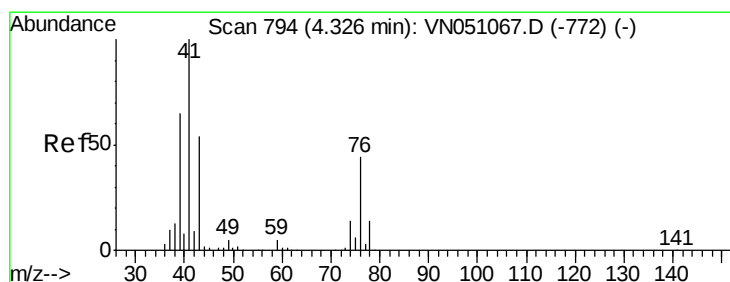
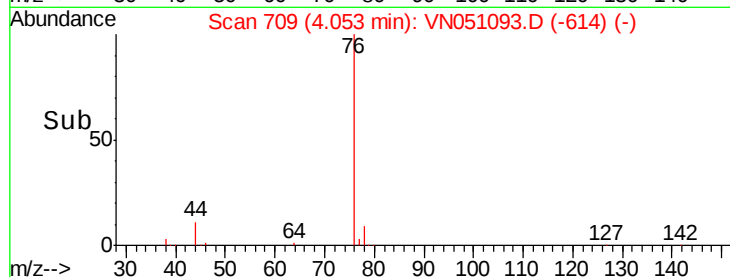
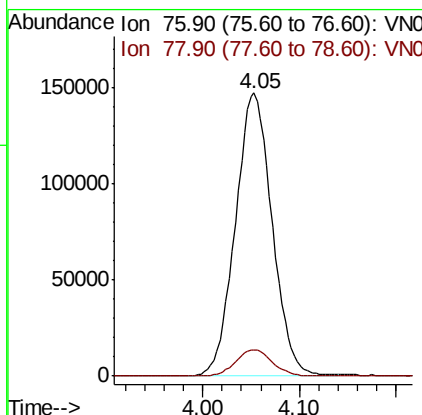
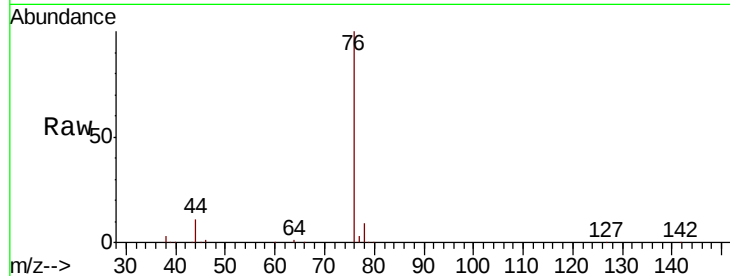
#17
Carbon Disulfide
Concen: 19.05 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

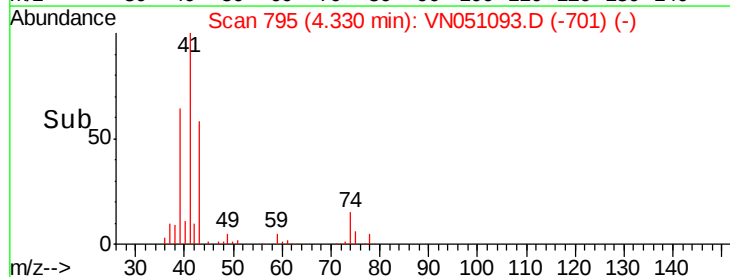
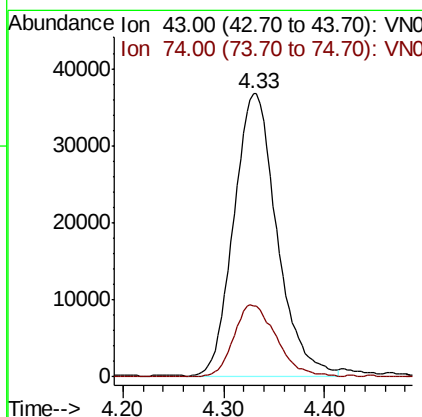
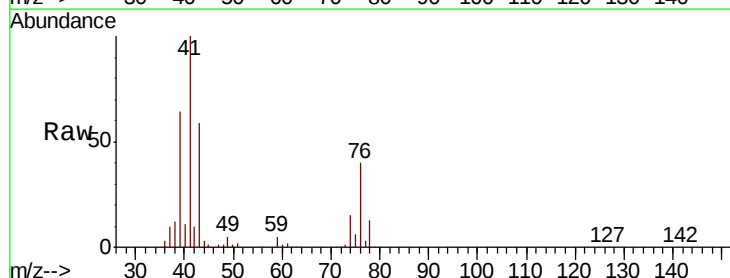
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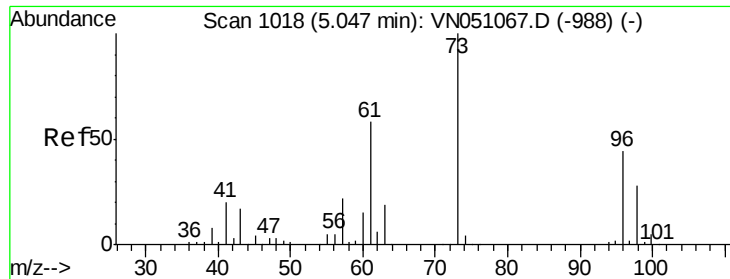
MMDadoda
9/11/2018 9:41:26 AM



#18
Methyl Acetate
Concen: 18.87 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	20.7	31.1





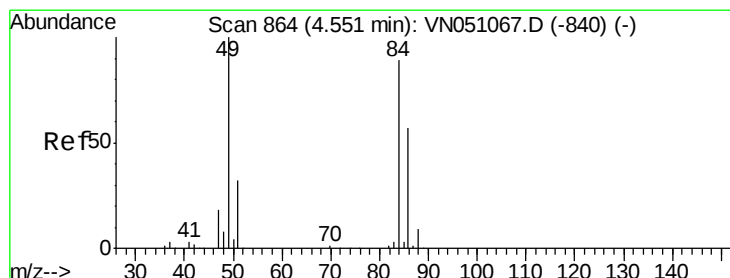
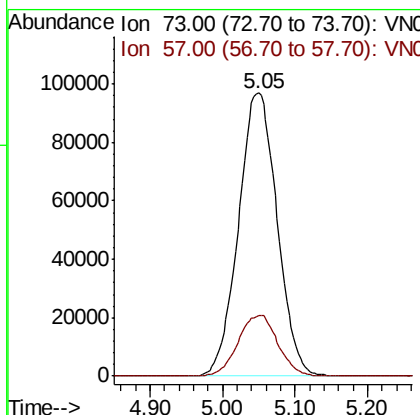
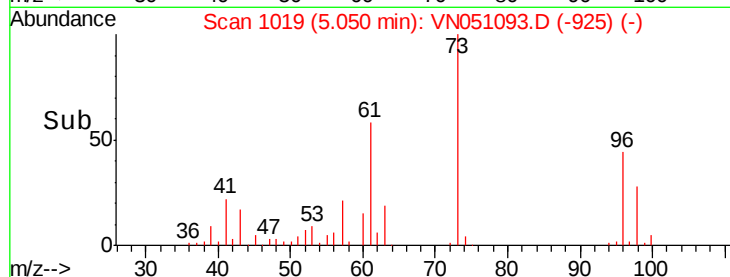
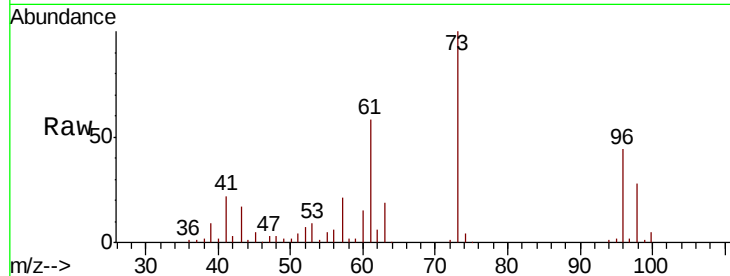
#19
Methvl tert-butvl Ether
Concen: 19.54 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 73 Resp: 359457
Ion Ratio Lower Upper
73 100
57 21.2 17.9 26.9

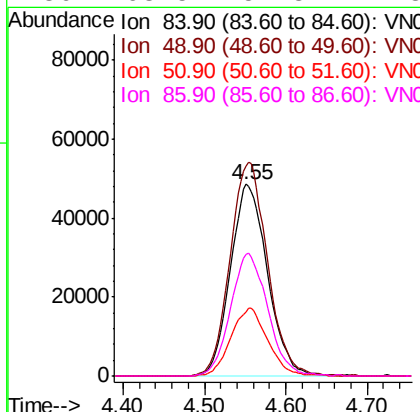
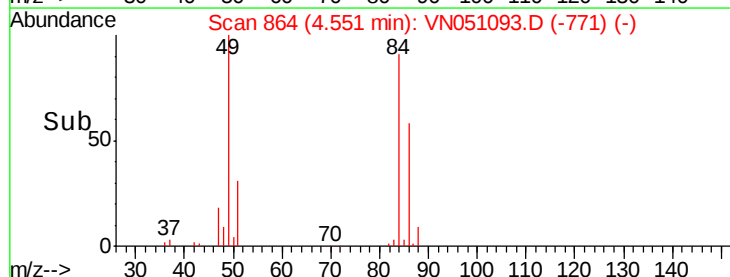
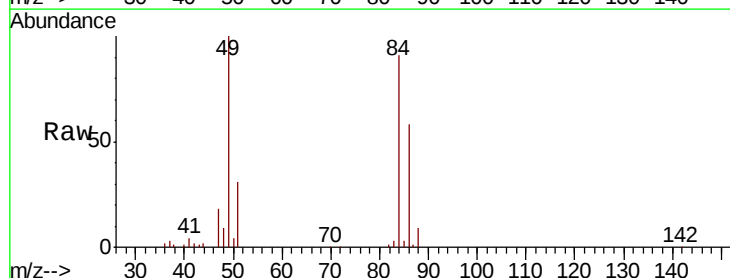
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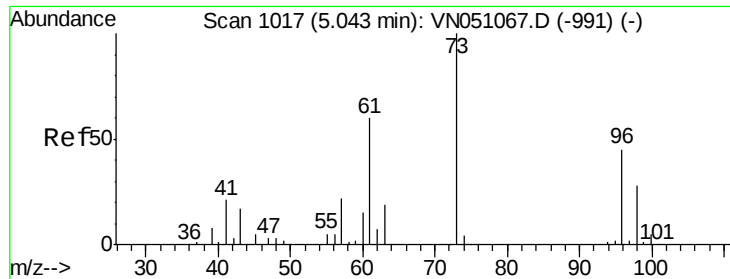
MMDadoda
9/11/2018 9:41:26 AM



#20
Methylene Chloride
Concen: 19.16 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 84 Resp: 153633
Ion Ratio Lower Upper
84 100
49 109.7 90.2 135.2
51 33.7 28.4 42.6
86 63.5 51.8 77.8





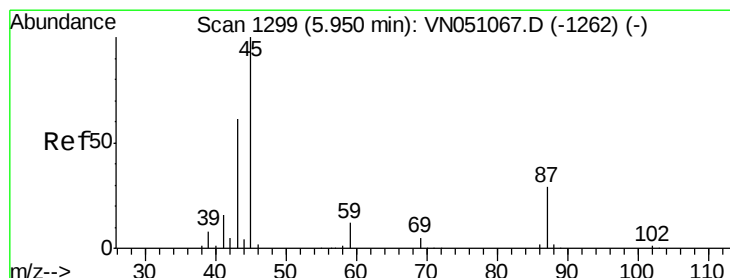
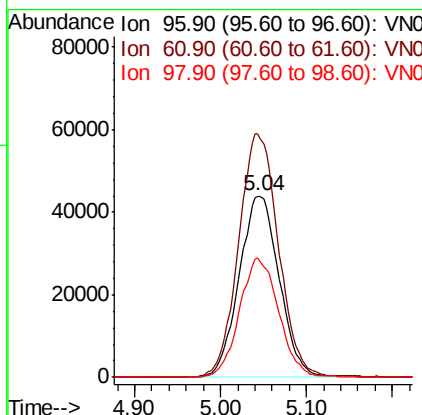
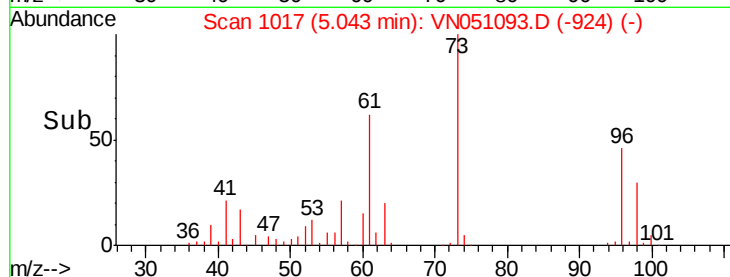
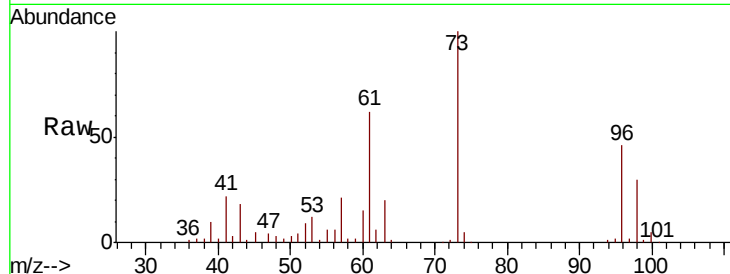
#21
trans-1,2-Dichloroethene
Concen: 18.87 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.3	106.5	159.7
98	66.0	50.4	75.6

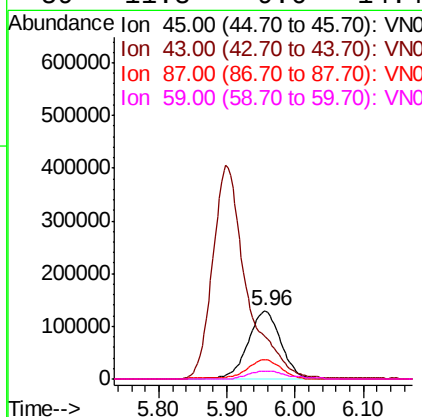
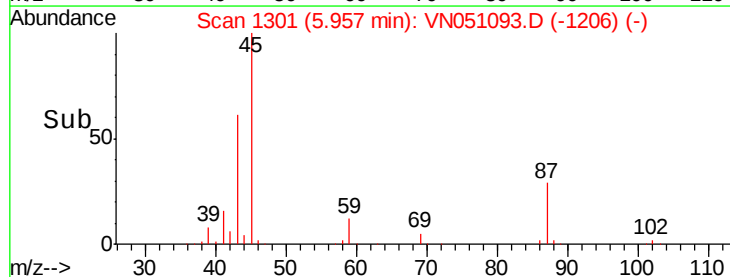
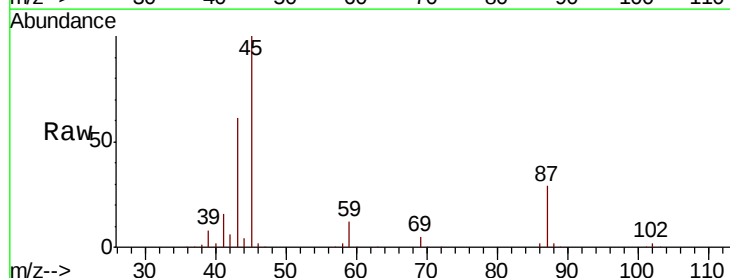
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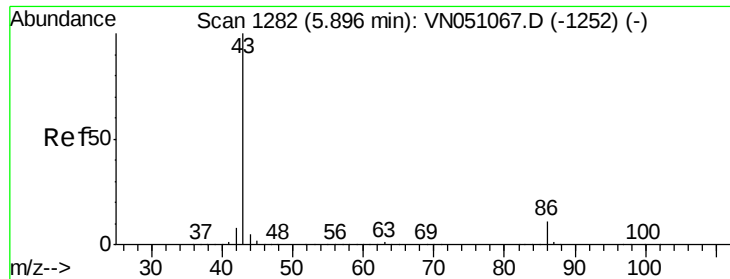
MMDadoda
9/11/2018 9:41:26 AM



#22
Diisopropyl ether
Concen: 20.57 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.8	73.2
87	29.0	23.8	35.8
59	11.8	9.6	14.4





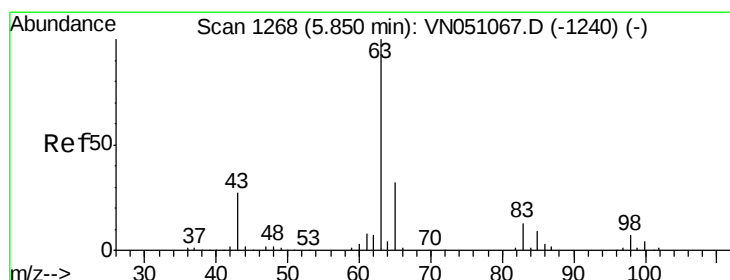
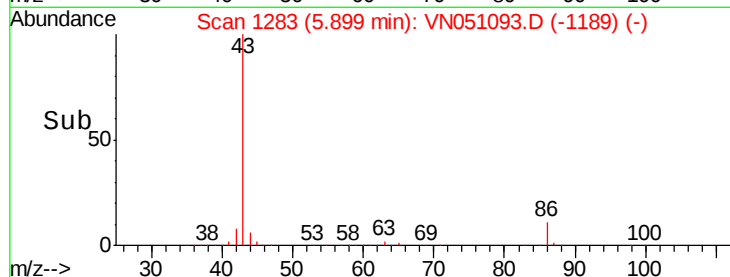
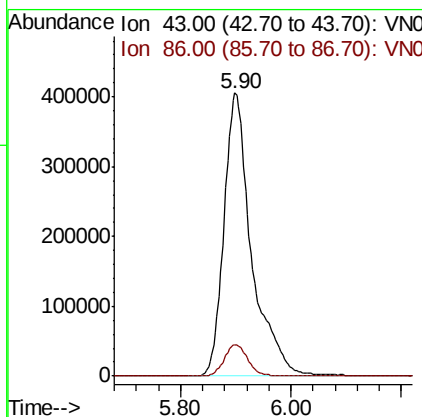
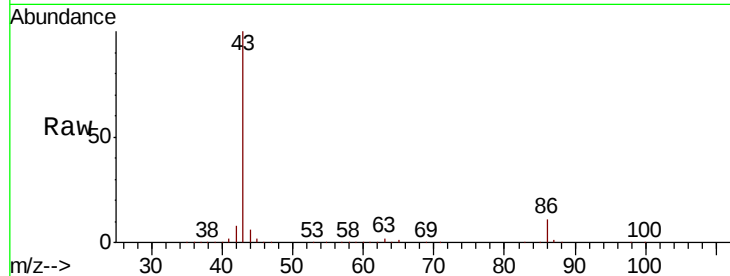
#23
 Vinyl Acetate
 Concen: 98.93 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion: 43 Resp: 1408804
 Ion Ratio Lower Upper
 43 100
 86 11.2 9.2 13.8

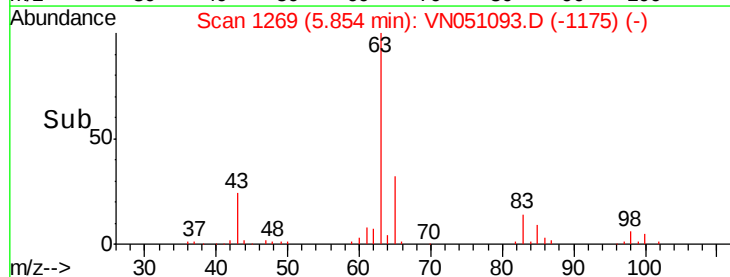
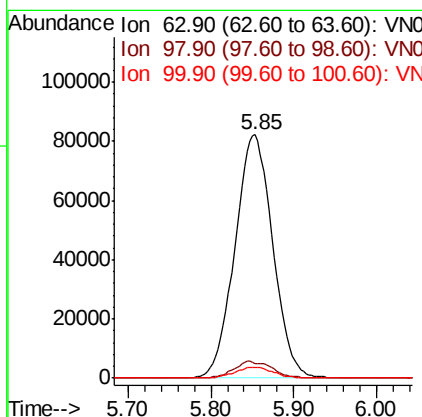
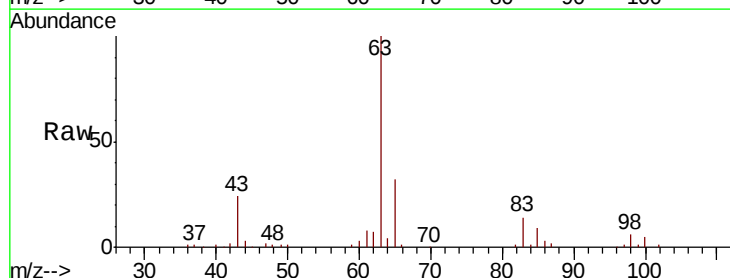
Manual Integrations
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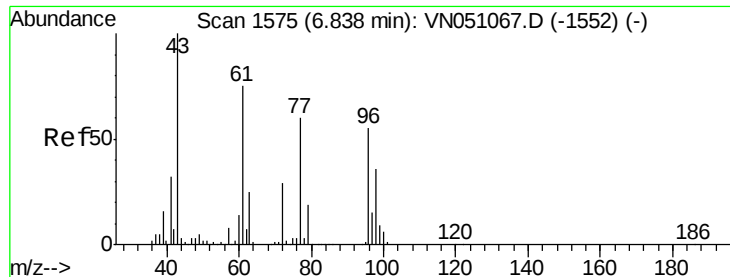
MMDadoda
 9/11/2018 9:41:26 AM



#24
 1,1-Dichloroethane
 Concen: 19.56 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion: 63 Resp: 261150
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.4 10.1
 100 4.6 2.1 6.3





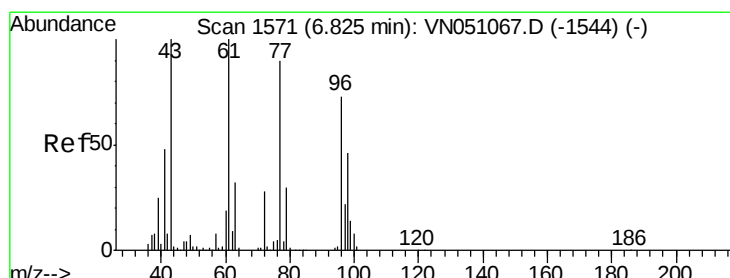
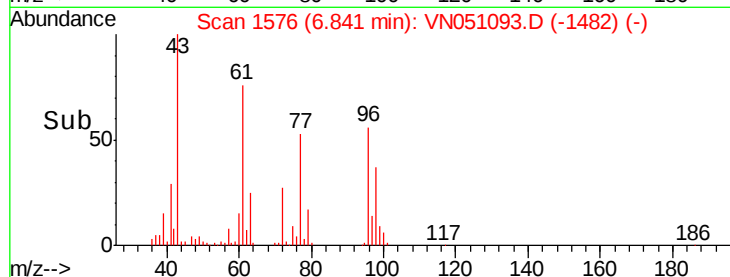
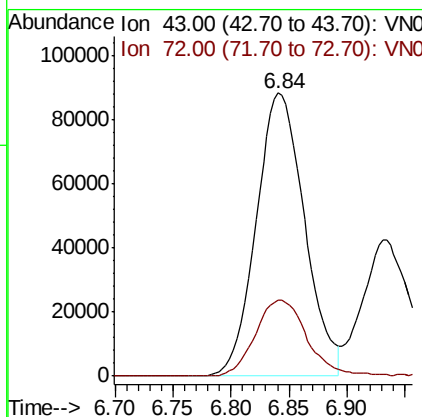
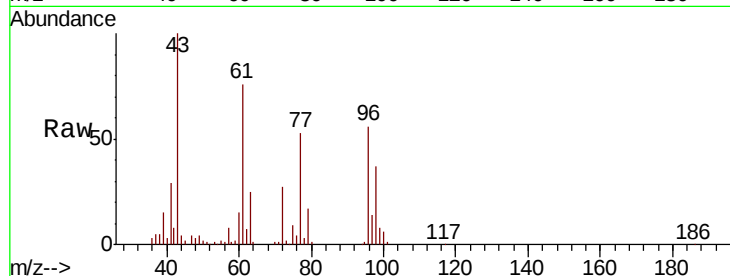
#25
2-Butanone
Concen: 89.25 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion: 43 Resp: 254731
Ion Ratio Lower Upper
43 100
72 26.7 23.0 34.6

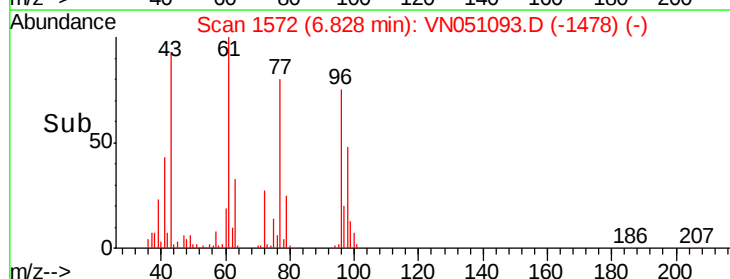
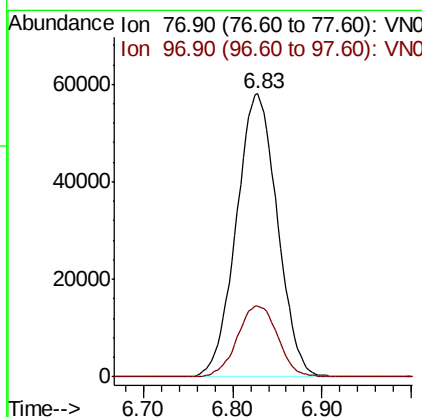
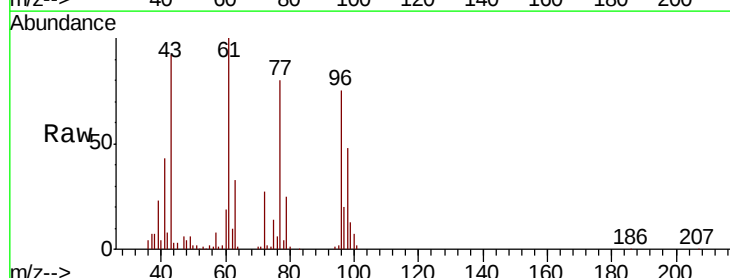
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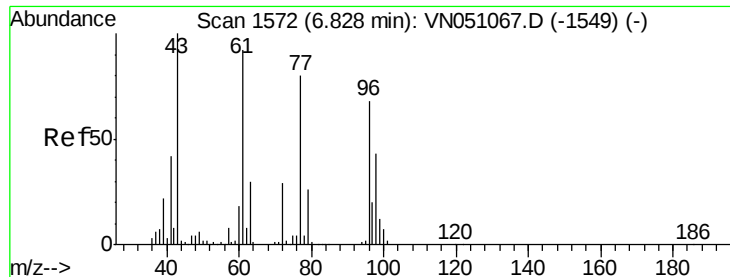
MMDadoda
9/11/2018 9:41:26 AM



#26
2,2-Dichloropropane
Concen: 16.95 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 77 Resp: 185206
Ion Ratio Lower Upper
77 100
97 24.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.25 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

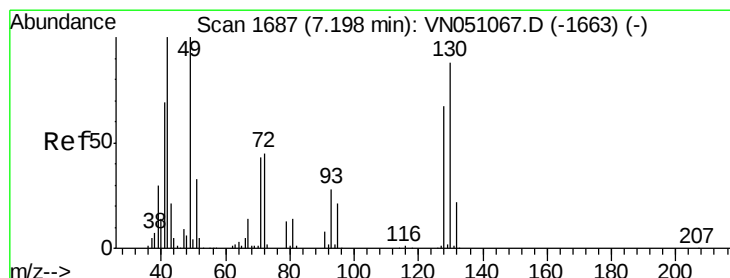
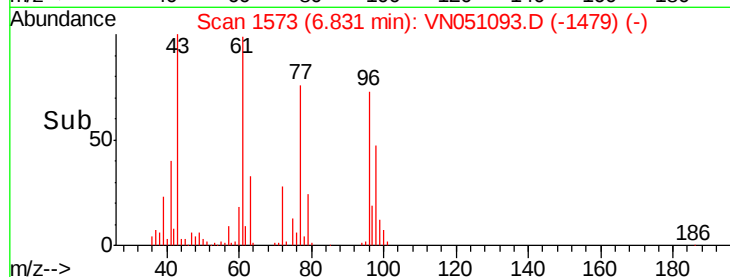
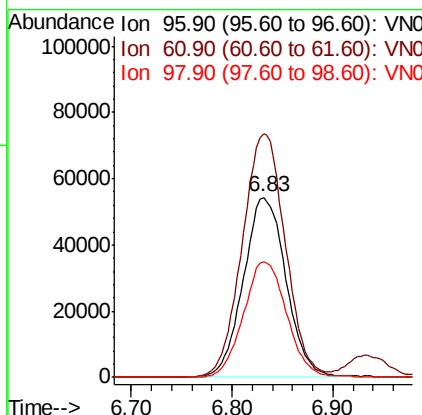
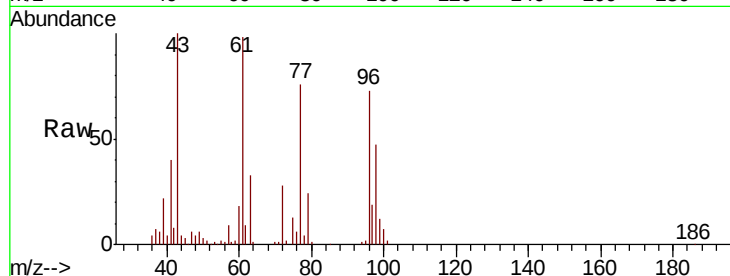
ClientSampleId :

VN0910WBS02

Tot Ion:	96	Resp:	159374
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	278.2
98	65.5	0.0	129.4

Manual Integrations
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#28

Bromochloromethane

Concen: 19.97 ug/l

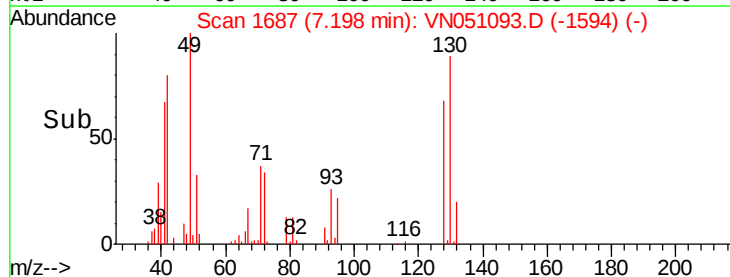
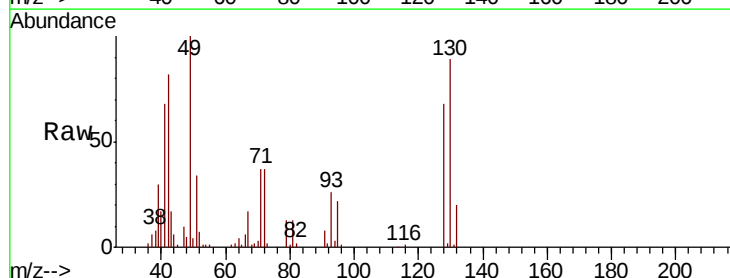
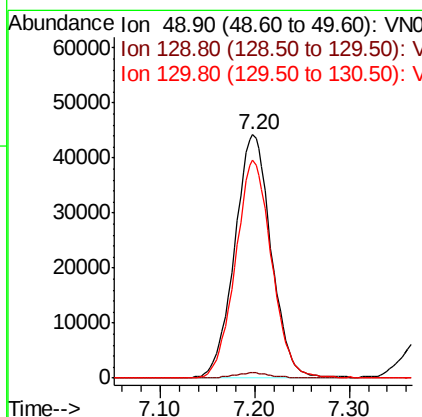
RT: 7.20 min Scan# 1687

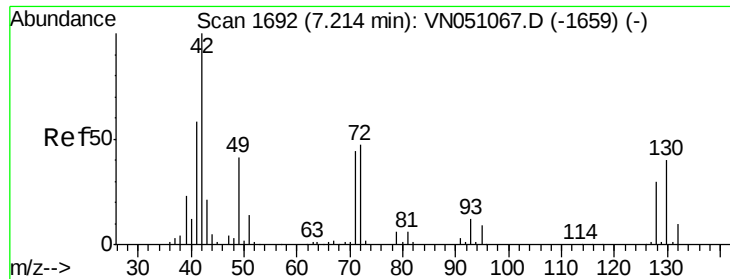
Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion:	49	Resp:	118682
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.5	70.7	106.1





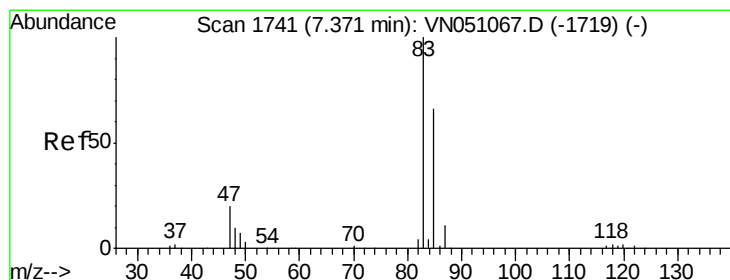
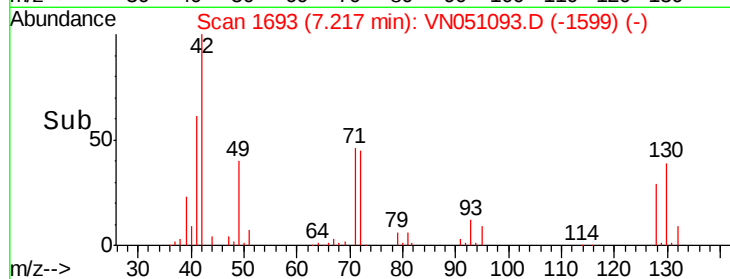
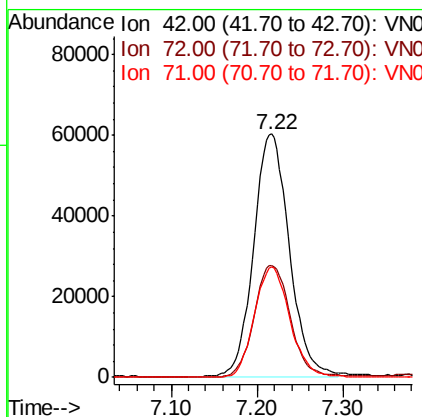
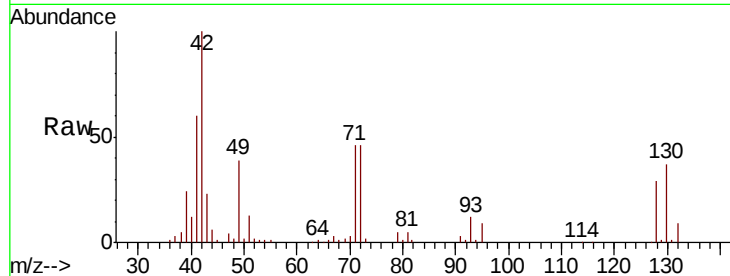
#29
Tetrahydrofuran
Concen: 98.26 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	44.8	34.7	52.1

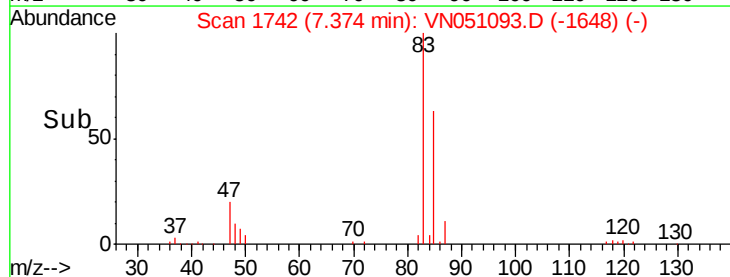
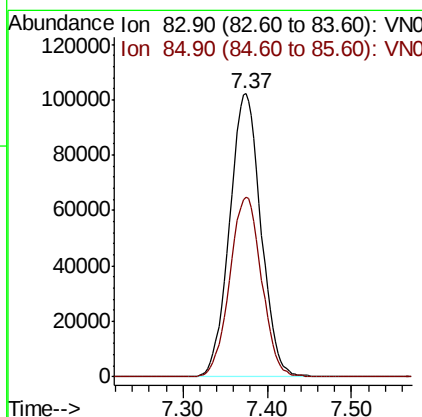
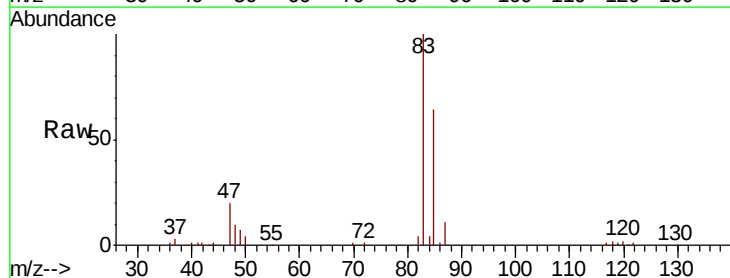
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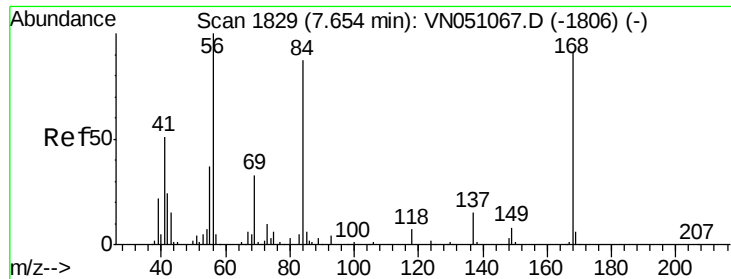
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9/11/2018 9:41:26 AM



#30
Chloroform
Concen: 19.91 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.6	79.0





#31

Cyclohexane

Concen: 19.50 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 56 Resp: 233797
Ion Ratio Lower Upper

56 100

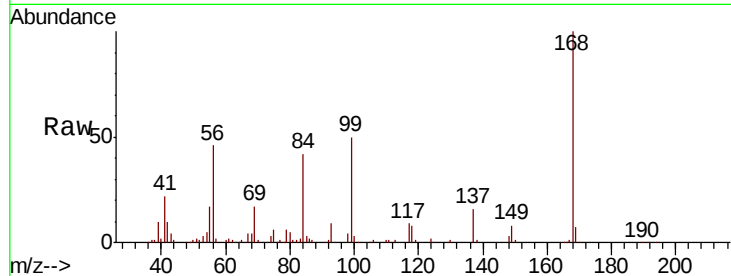
69 37.2 26.3 39.5

84 91.0 69.4 104.0

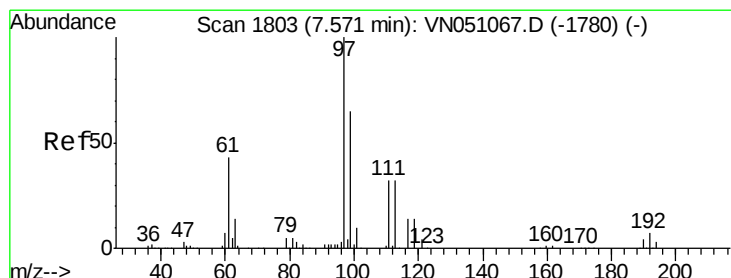
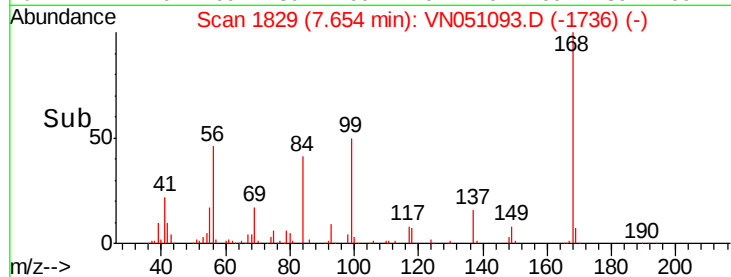
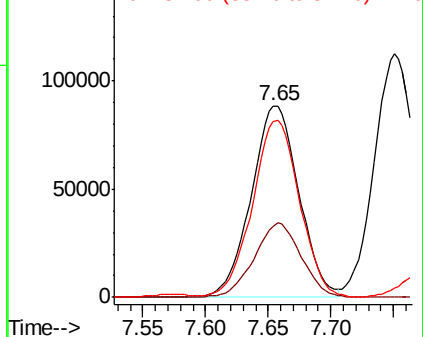
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.87 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051093.D

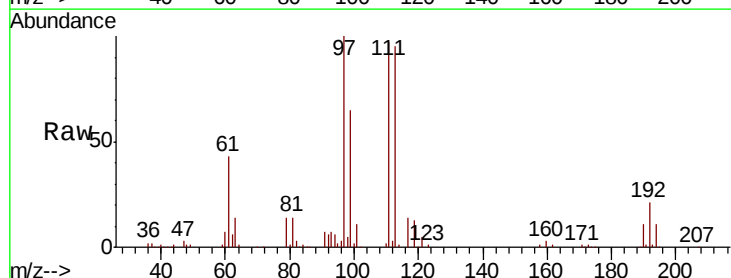
Acq: 10 Sep 2018 22:19

Tgt Ion: 97 Resp: 224829
Ion Ratio Lower Upper

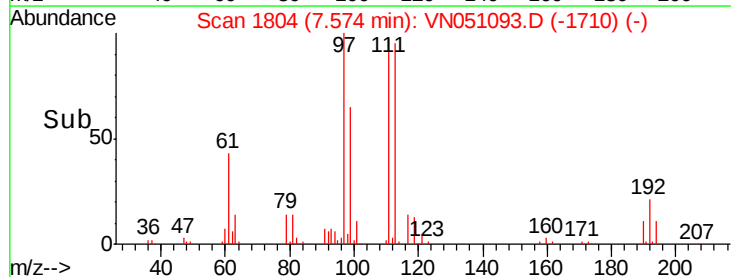
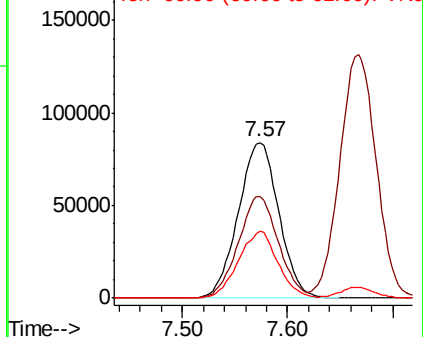
97 100

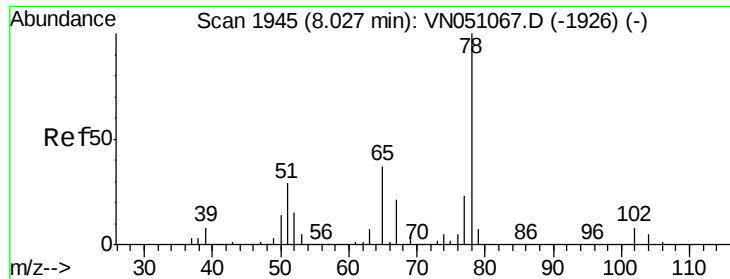
99 64.7 51.6 77.4

61 41.7 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





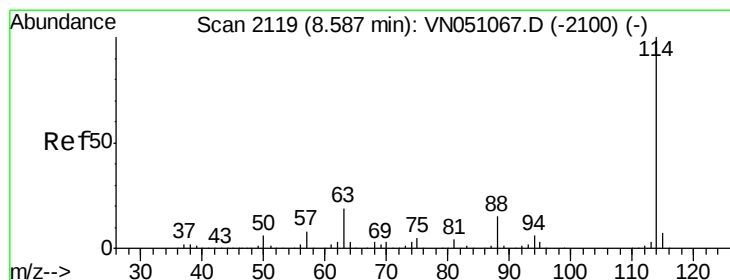
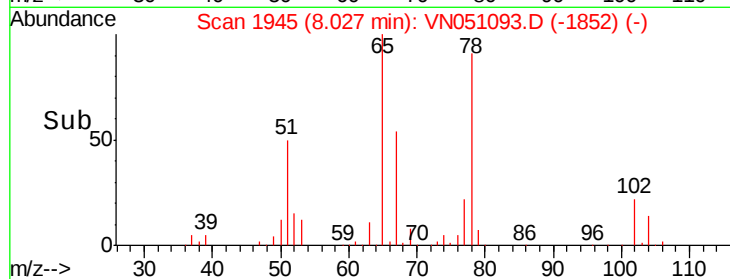
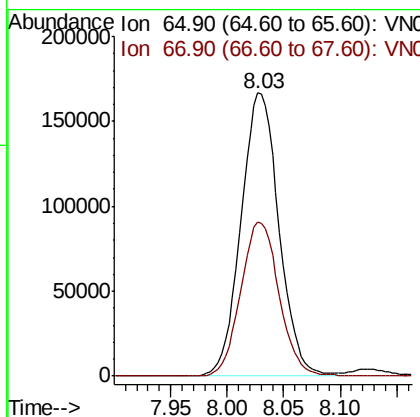
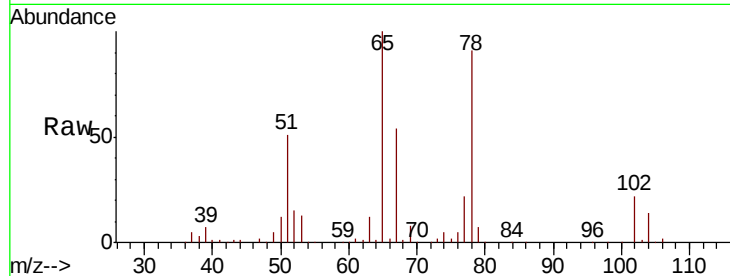
#33
 1,2-Dichloroethane-d4
 Concen: 53.68 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	389714		
67	55.0	0.0	112.0	

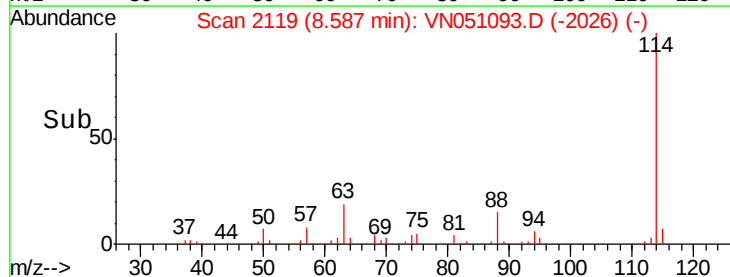
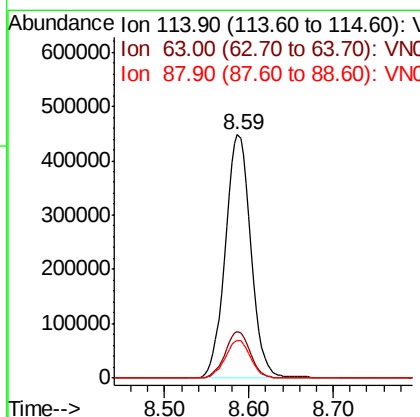
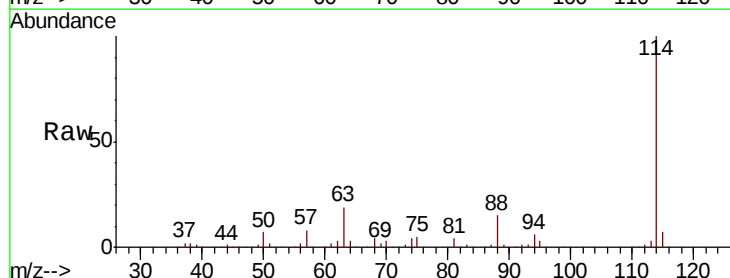
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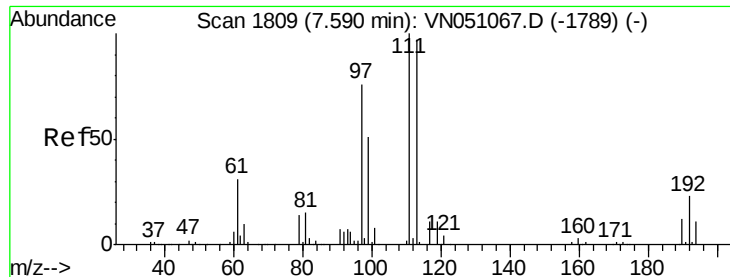
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 9/11/2018 9:41:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	942440		
63	19.0	0.0	37.8	
88	15.5	0.0	30.8	





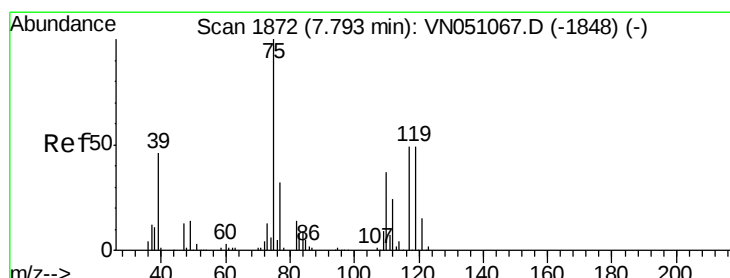
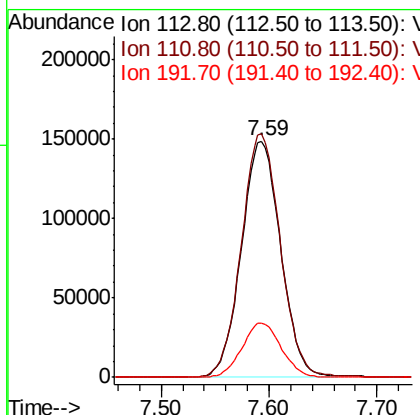
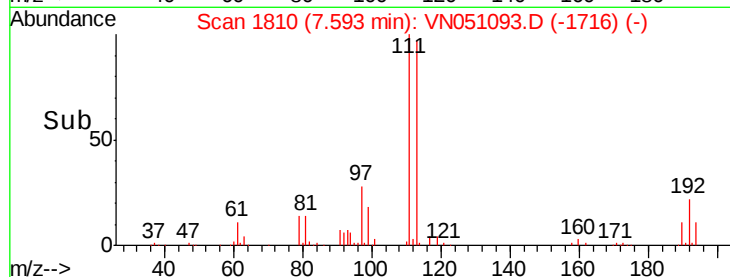
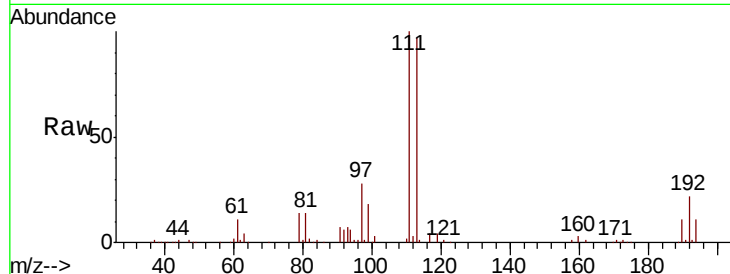
#35
 Dibromofluoromethane
 Concen: 53.18 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	376575		
111	103.0	83.0	124.6	
192	23.1	18.7	28.1	

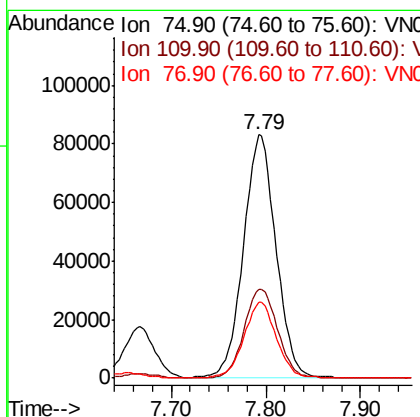
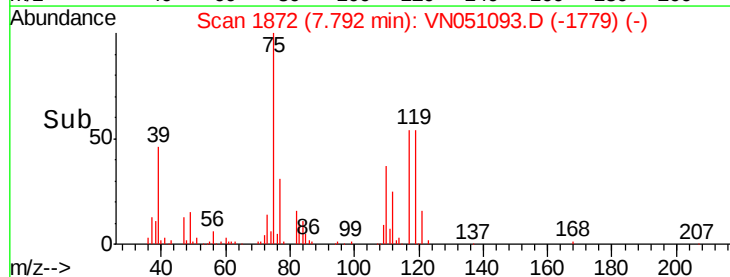
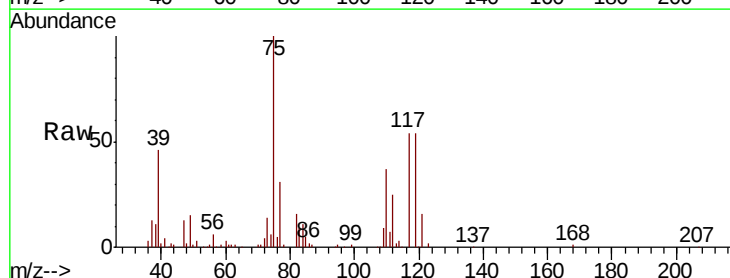
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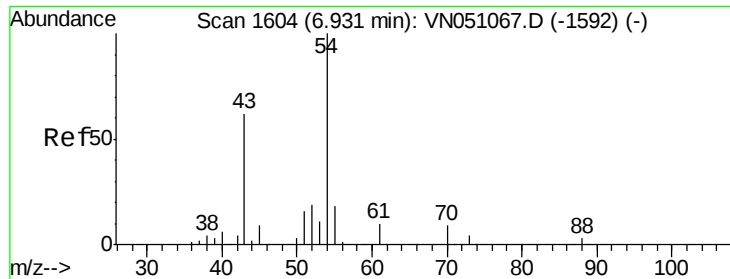
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#36
 1,1-Dichloropropene
 Concen: 19.10 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197616		
110	37.7	18.6	55.8	
77	31.5	25.2	37.8	





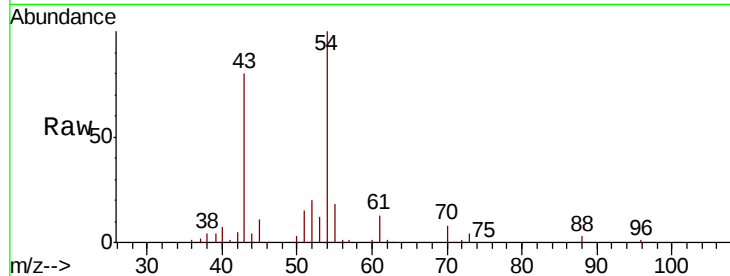
#37
Ethyl Acetate
Concen: 20.01 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

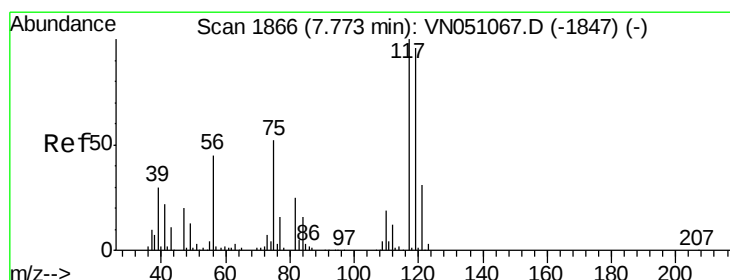
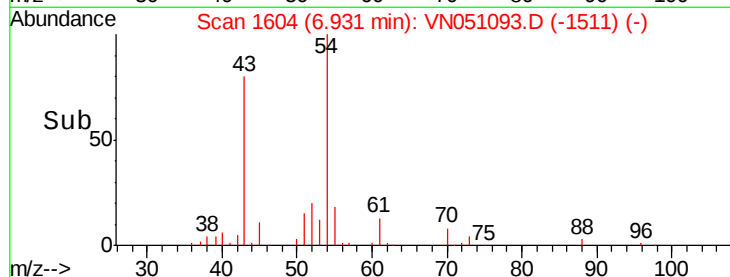
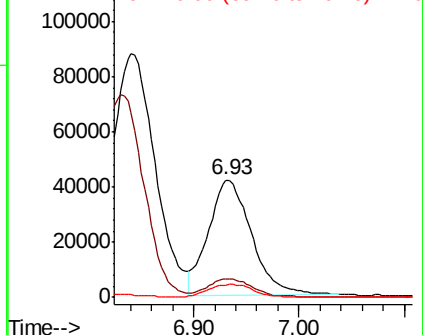
Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.4	18.6
70	11.7	9.3	13.9

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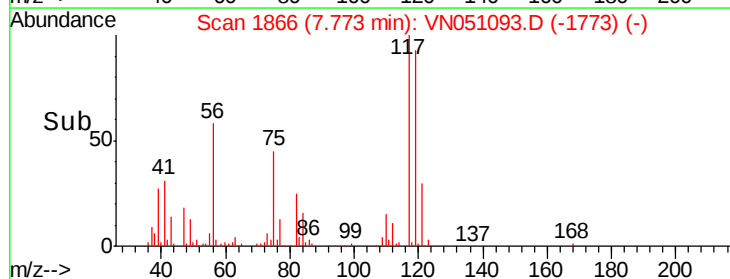
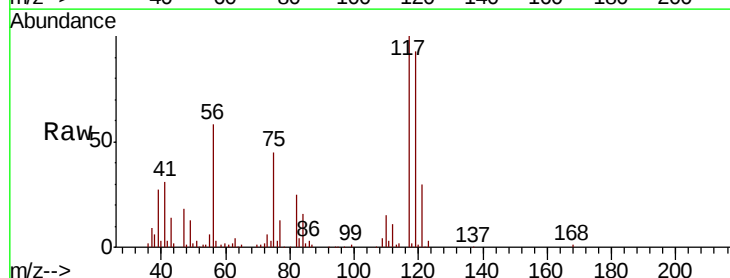
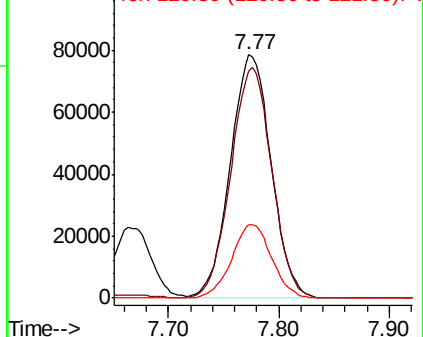
Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1592) (-)
Ion 60.90 (60.60 to 61.60): VN051067.D (-1592) (-)
Ion 70.00 (69.70 to 70.70): VN051067.D (-1592) (-)

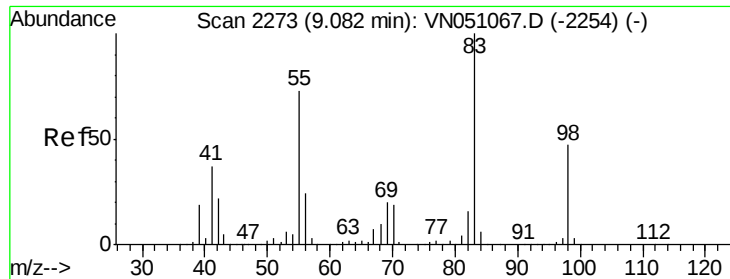


#38
Carbon Tetrachloride
Concen: 19.76 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	76.8	115.2
121	30.1	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) (-)





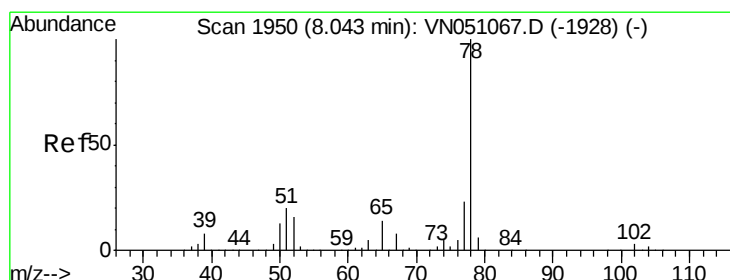
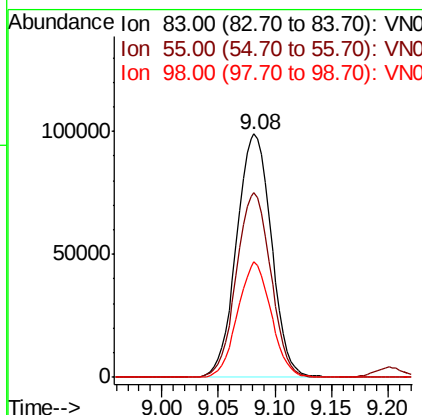
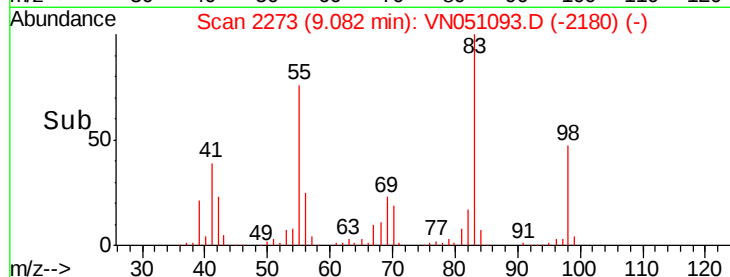
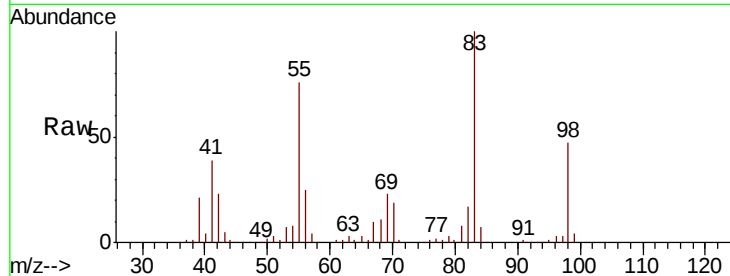
#39
Methvlcvclohexane
Concen: 18.56 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	58.4	87.6
98	47.3	37.3	55.9

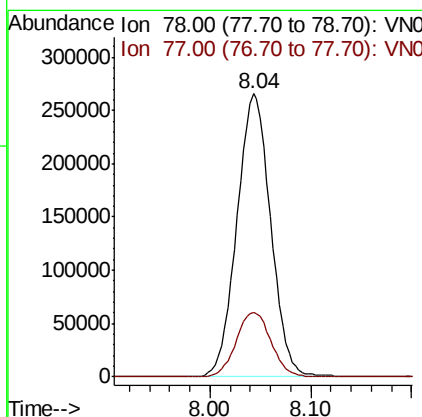
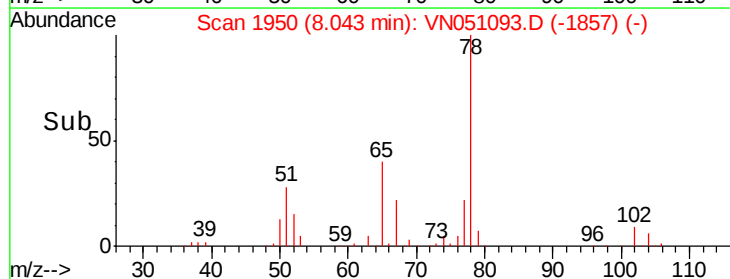
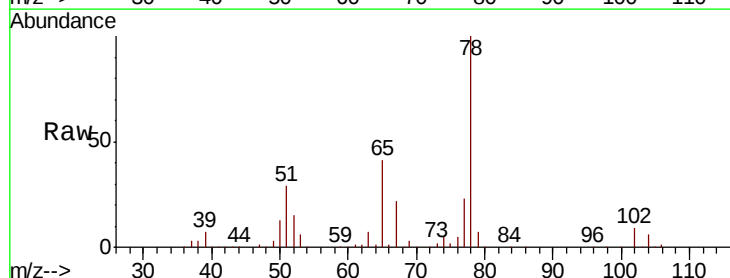
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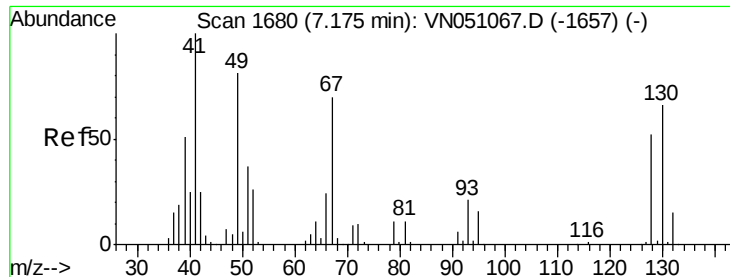
MMDadoda
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#40
Benzene
Concen: 19.76 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	27.8





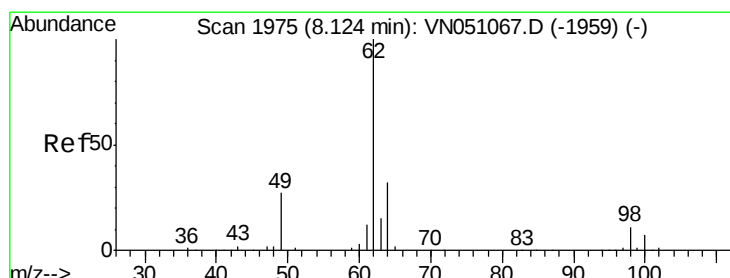
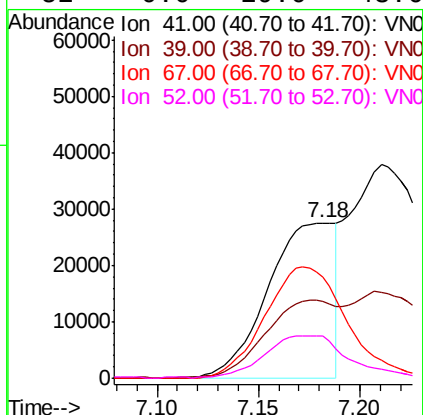
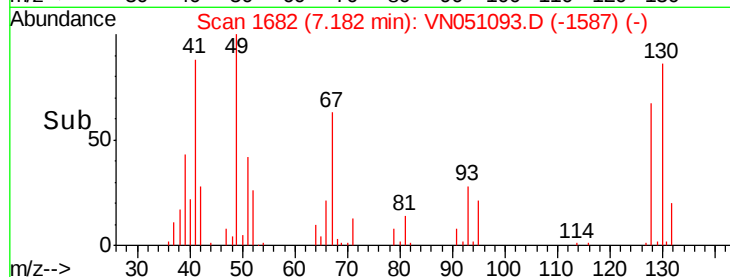
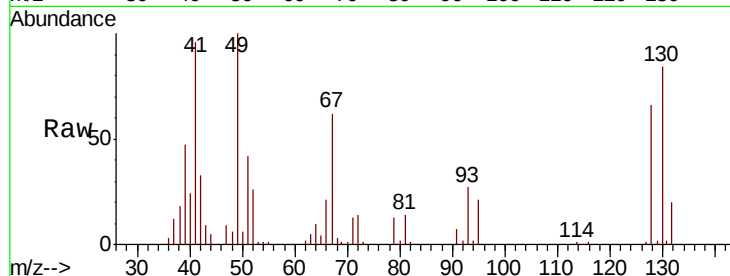
#41
Methacrylonitrile
Concen: 20.46 ug/l m
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	51.3	76.9#
67	0.0	78.5	117.7#
52	0.0	29.0	43.6#

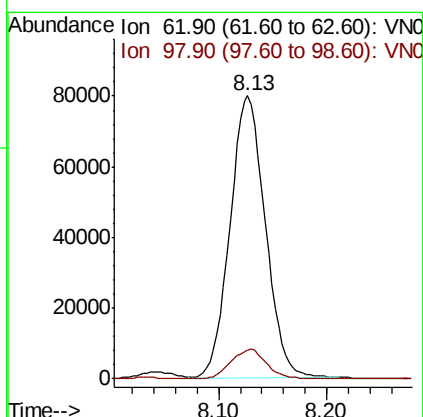
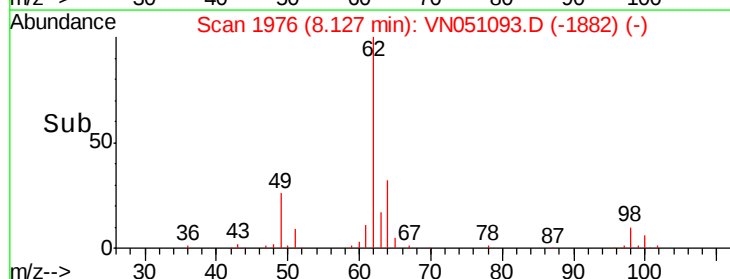
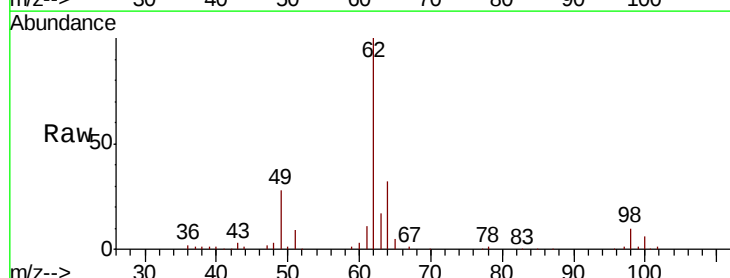
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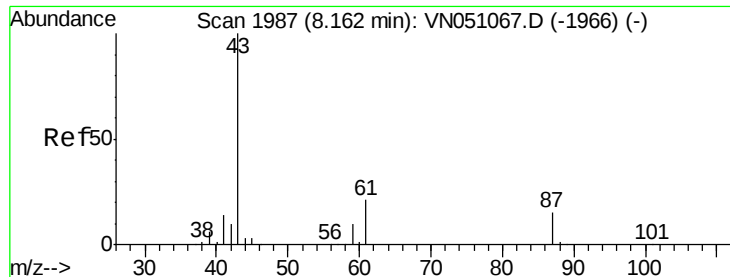
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#42
1,2-Dichloroethane
Concen: 20.08 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

Isopropyl Acetate

Concen: 19.52 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

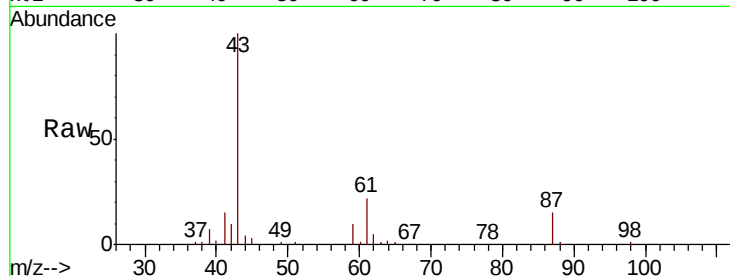
ClientSampleId :

VN0910WBS02

Tot Ion:	43	Resp:	206351
Ion	Ratio	Lower	Upper
43	100		
61	22.1	25.0	37.6#
87	14.8	11.8	17.8

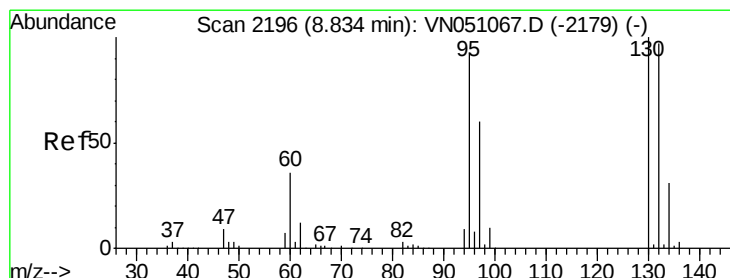
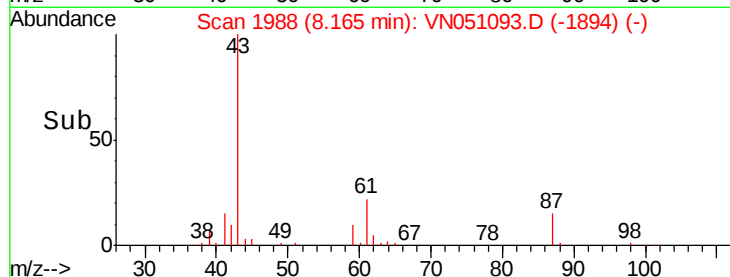
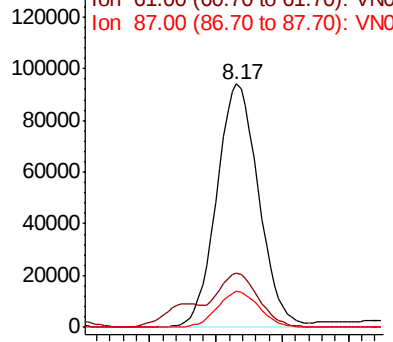
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Abundance

Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)



#44

Trichloroethene

Concen: 19.10 ug/l

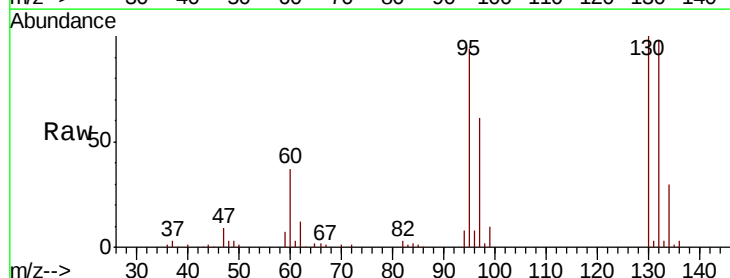
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051093.D

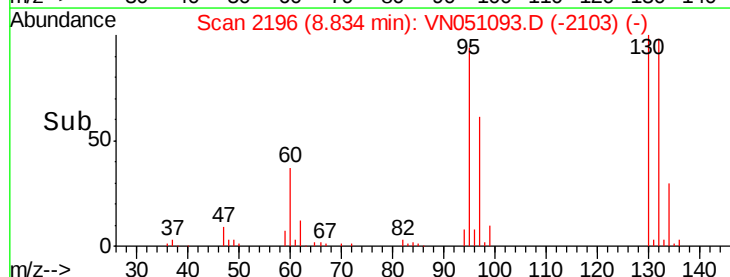
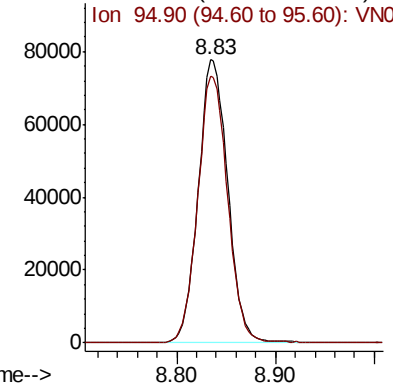
Acq: 10 Sep 2018 22:19

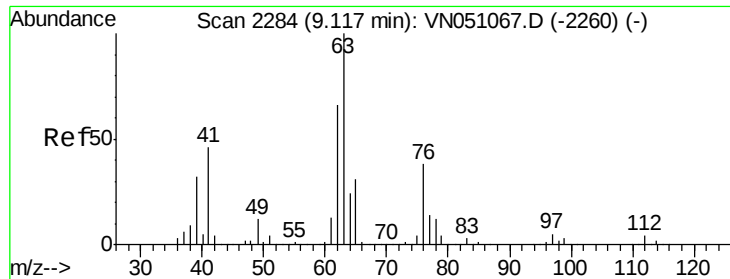
Tgt Ion:	130	Resp:	162880
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	186.2



Abundance

Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)





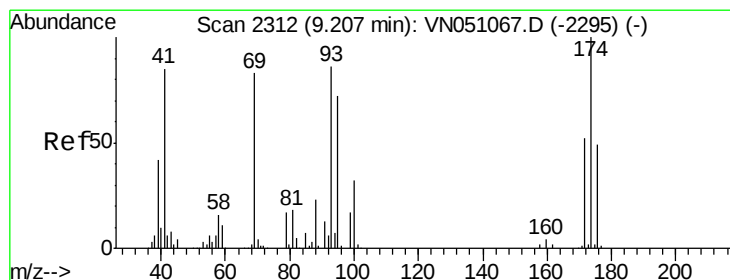
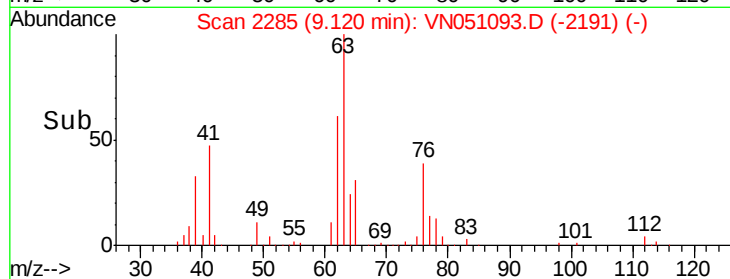
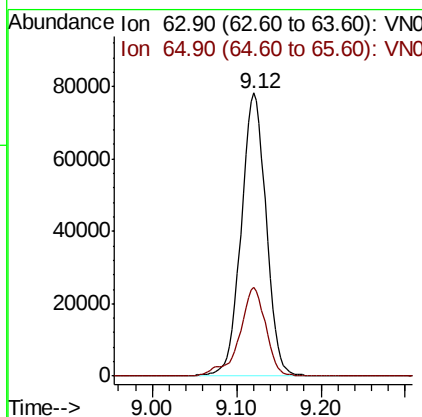
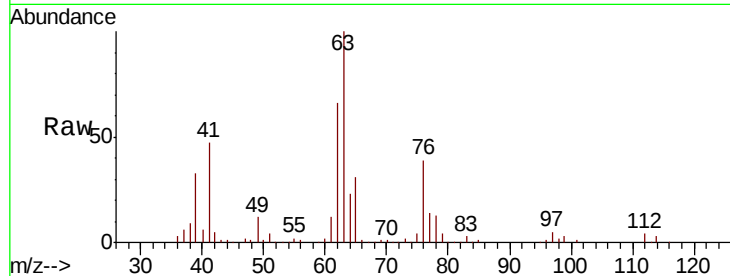
#45
 1,2-Dichloropropane
 Concen: 20.06 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.7	37.1

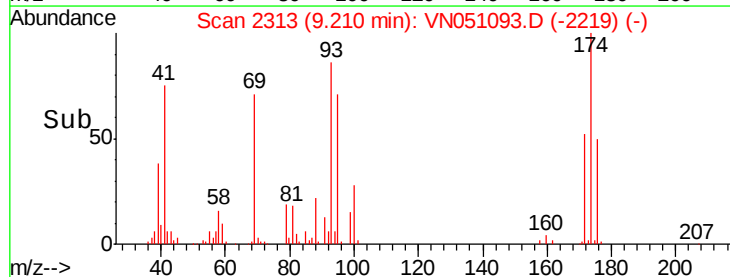
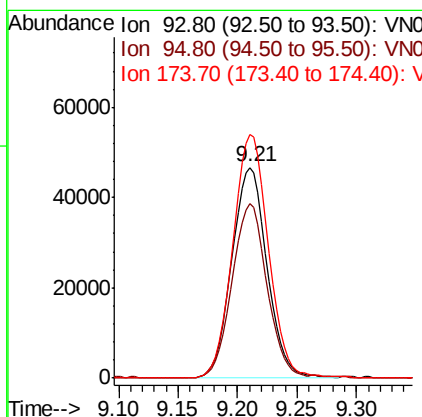
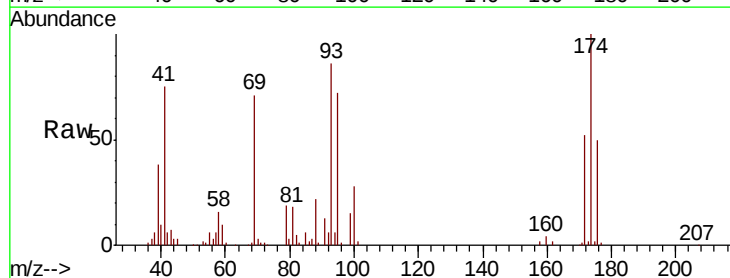
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#46
 Dibromomethane
 Concen: 19.52 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	66.8	100.2
174	116.4	93.3	139.9





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

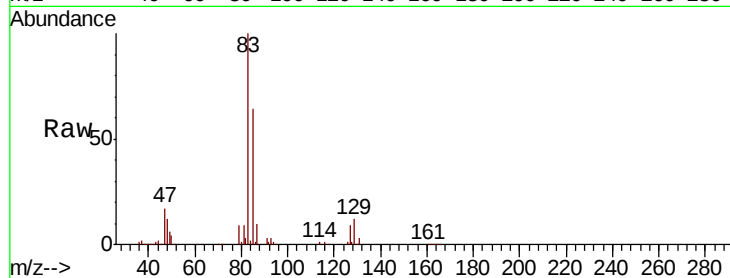
ClientSampleId :

VN0910WBS02

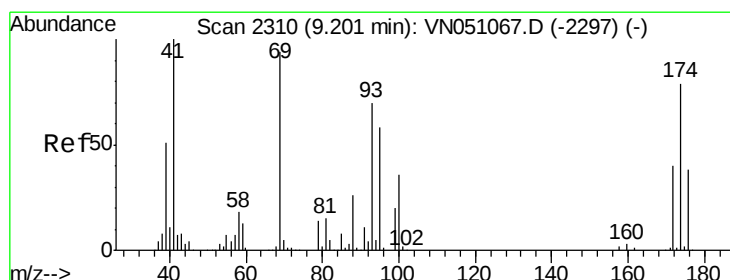
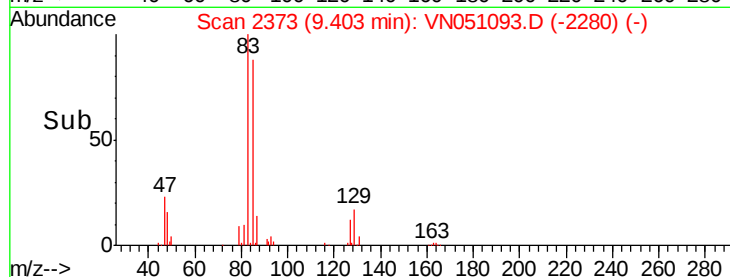
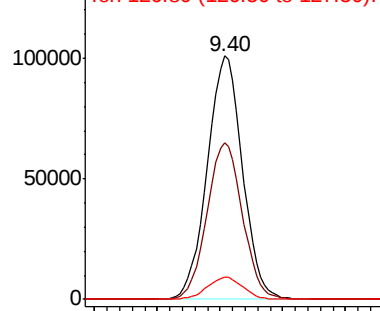
Tot Ion:	83	Resp:	197051
Ion Ratio	Lower	Upper	
83	100		
85	64.3	52.3	78.5
127	9.1	7.5	11.3

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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)



#48

Methyl methacrylate

Concen: 20.04 ug/l

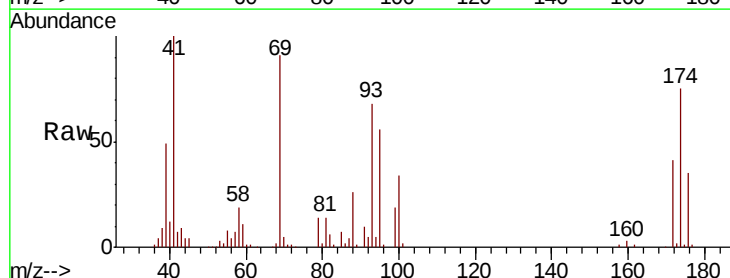
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

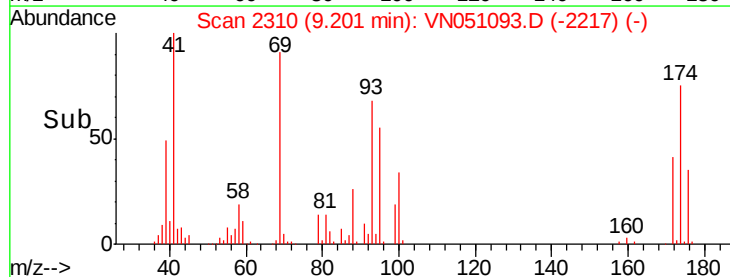
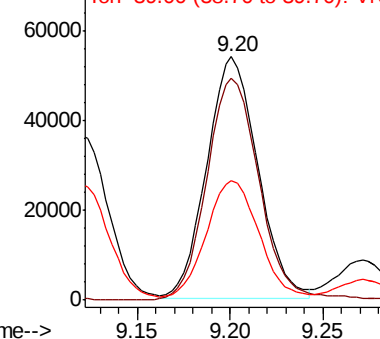
Lab File: VN051093.D

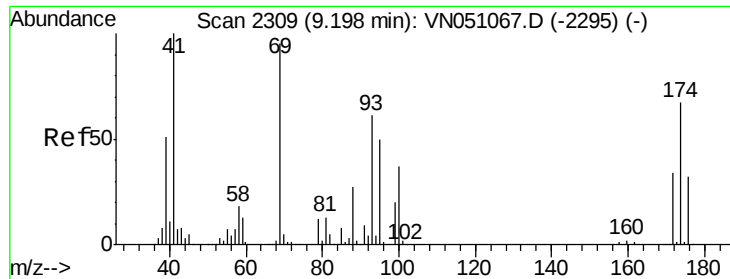
Acq: 10 Sep 2018 22:19

Tgt Ion:	41	Resp:	103282
Ion Ratio	Lower	Upper	
41	100		
69	94.6	77.7	116.5
39	51.0	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)





#49

1,4-Dioxane

Concen: 377.27 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

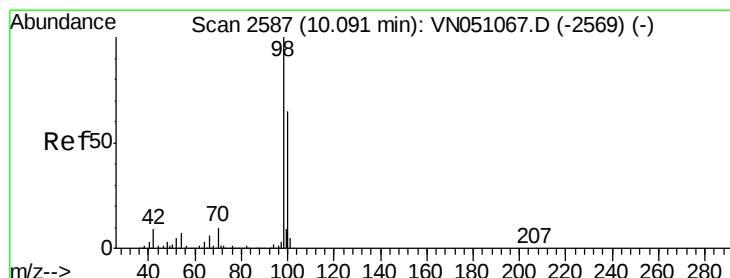
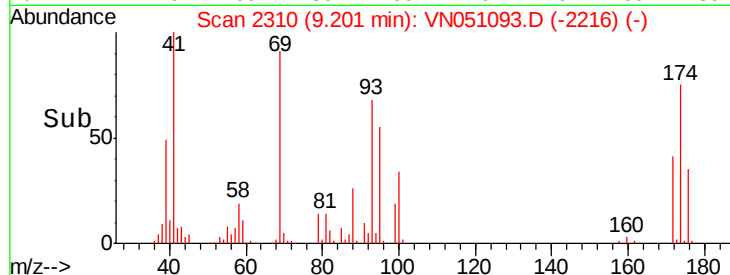
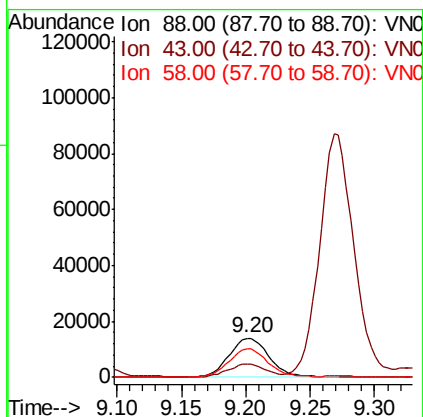
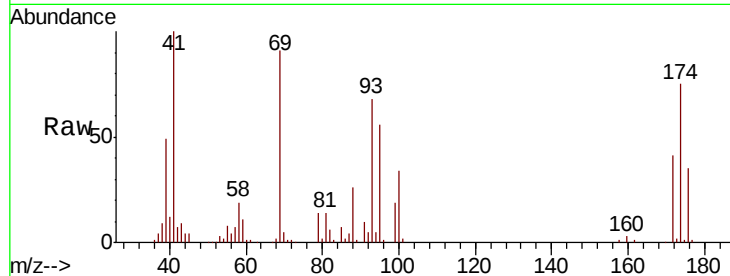
ClientSampleId :

VN0910WBS02

Tot Ion:	88	Resp:	30485
Ion	Ratio	Lower	Upper
88	100		
43	33.1	23.7	35.5
58	71.7	54.6	82.0

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#50

Toluene-d8

Concen: 53.20 ug/l

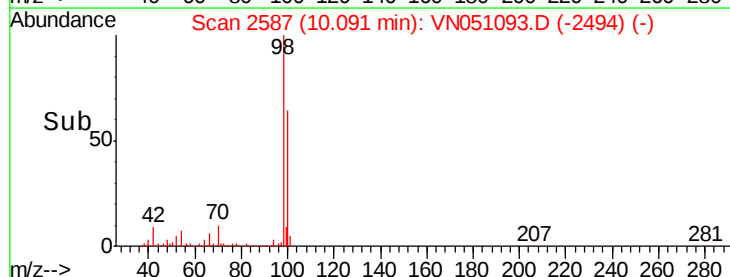
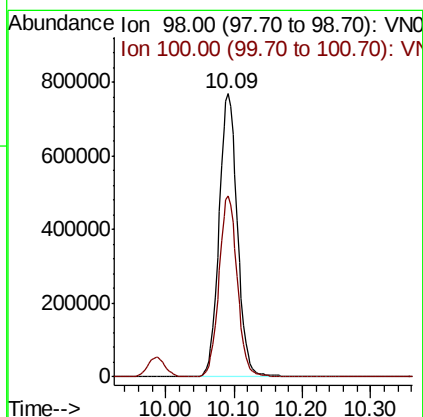
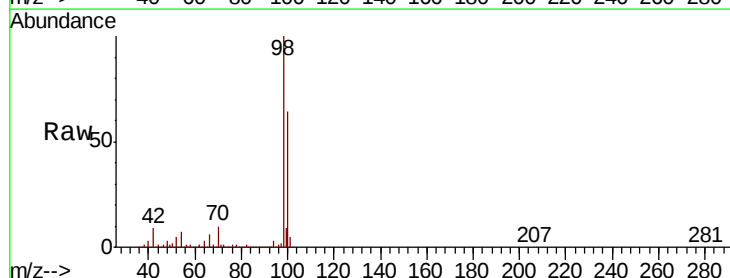
RT: 10.09 min Scan# 2587

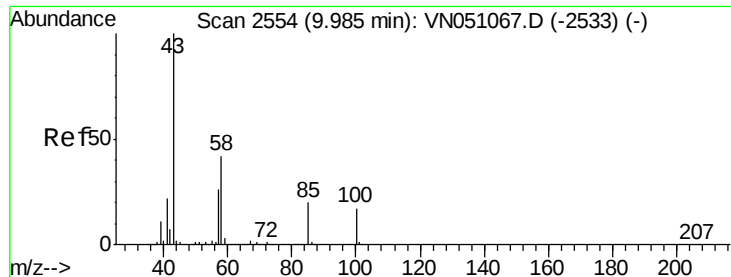
Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion:	98	Resp:	1429718
Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0





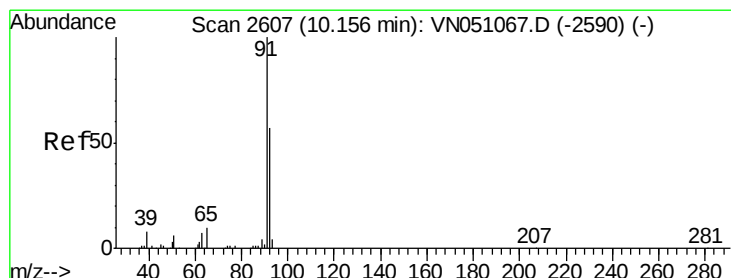
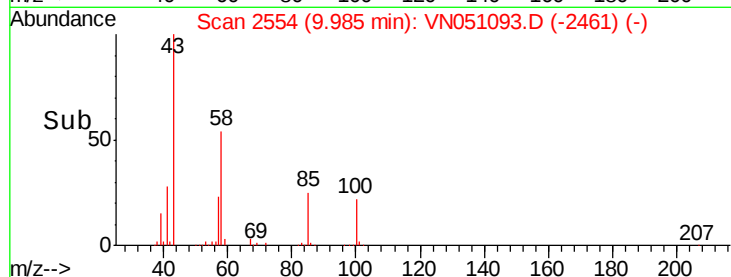
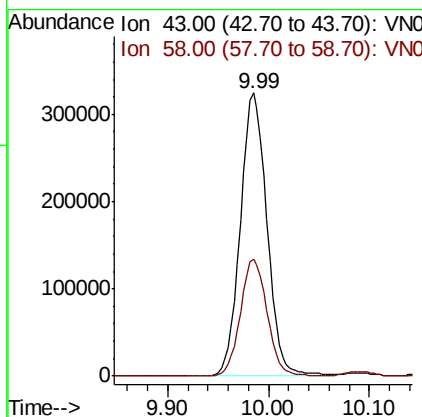
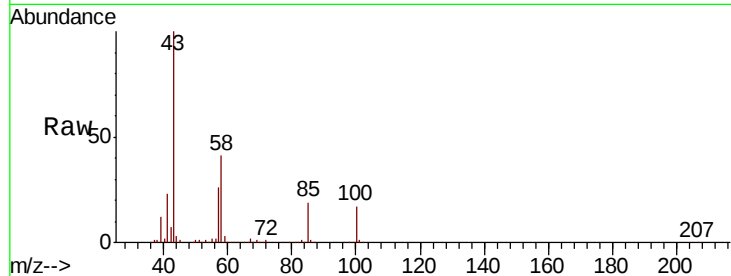
#51
4-Methyl-2-Pentanone
Concen: 101.26 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	43	Resp	592093
Ion Ratio	100	Lower	Upper
43	100		
58	41.4	33.5	50.3

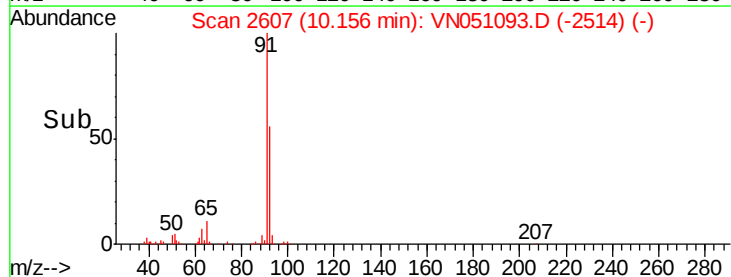
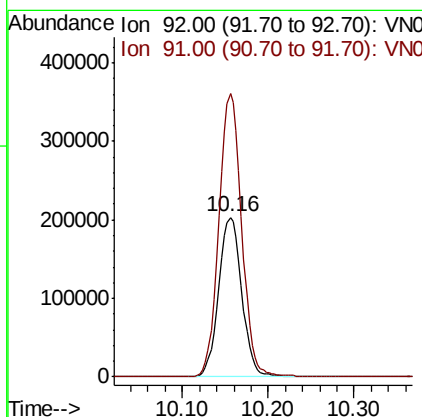
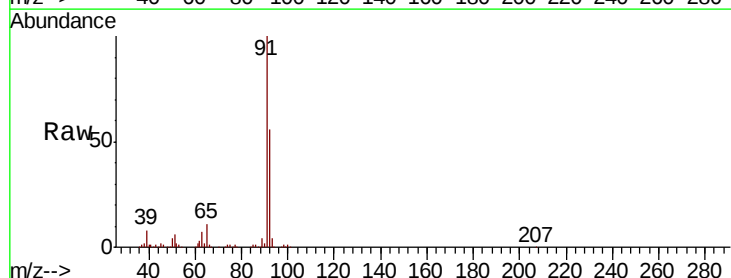
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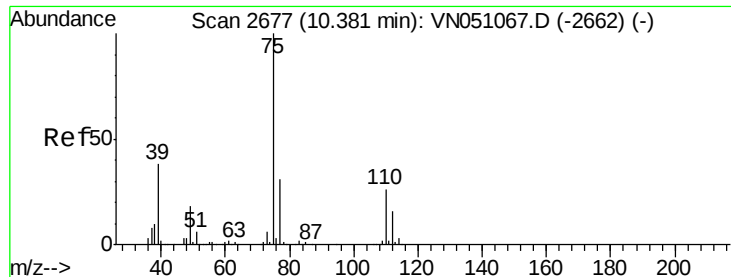
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#52
Toluene
Concen: 20.09 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	92	Resp	381962
Ion Ratio	100	Lower	Upper
92	100		
91	174.5	139.5	209.3





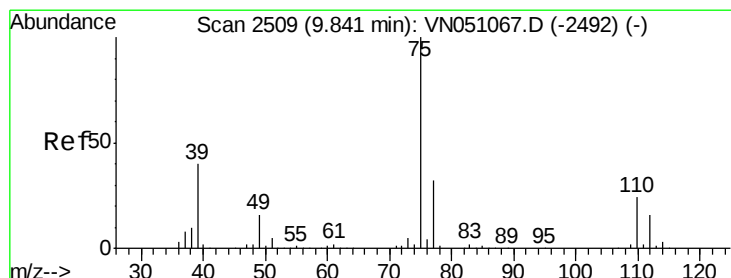
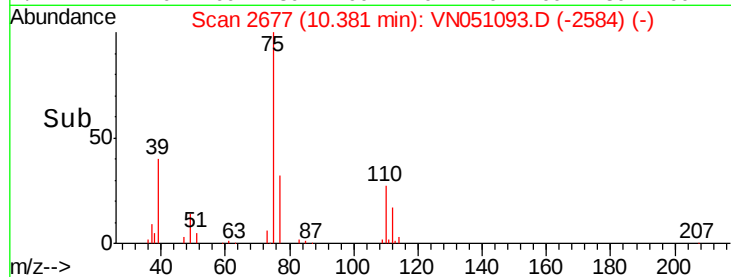
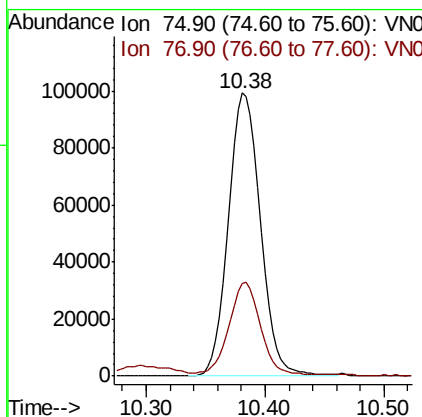
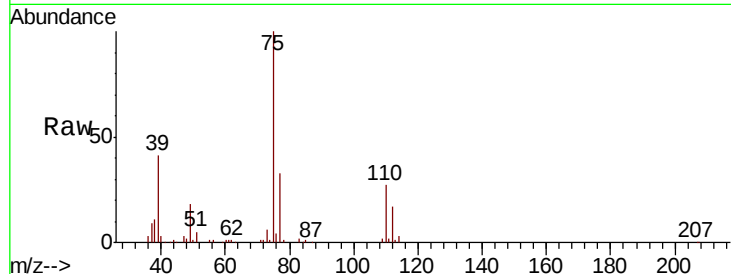
#53
t-1,3-Dichloropropene
Concen: 18.61 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion: 75 Resp: 186170
Ion Ratio Lower Upper
75 100
77 32.5 25.3 37.9

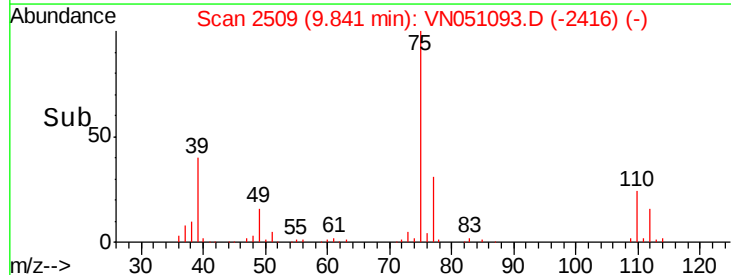
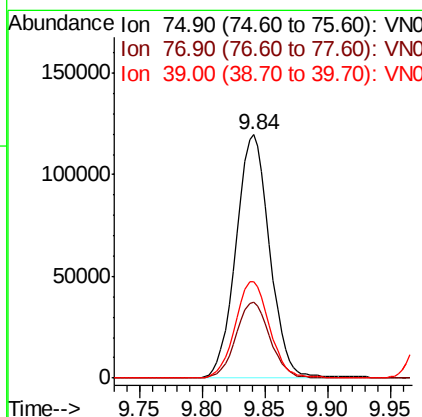
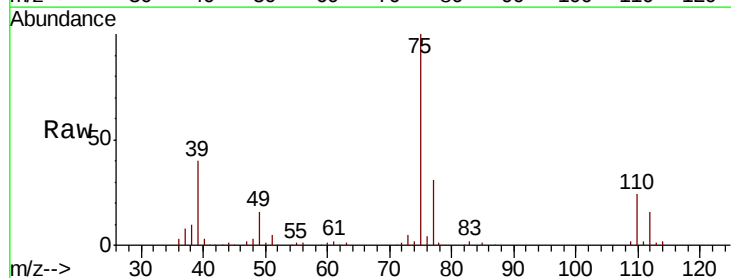
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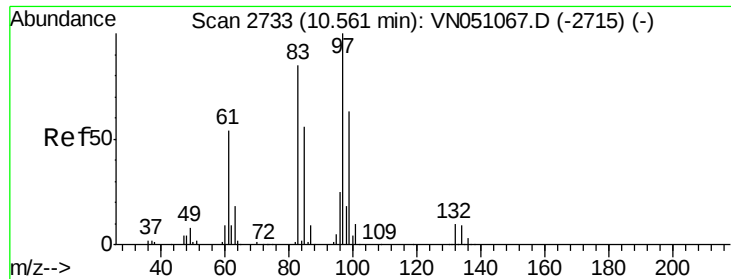
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#54
cis-1,3-Dichloropropene
Concen: 19.05 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 75 Resp: 223447
Ion Ratio Lower Upper
75 100
77 30.9 25.7 38.5
39 39.8 31.9 47.9





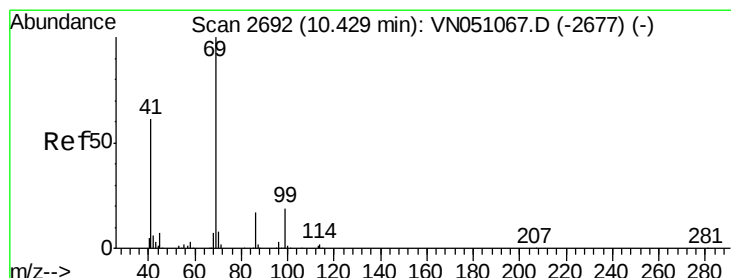
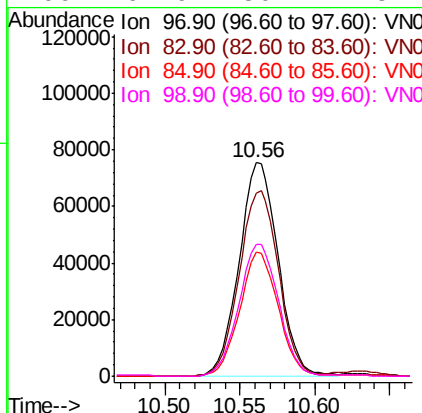
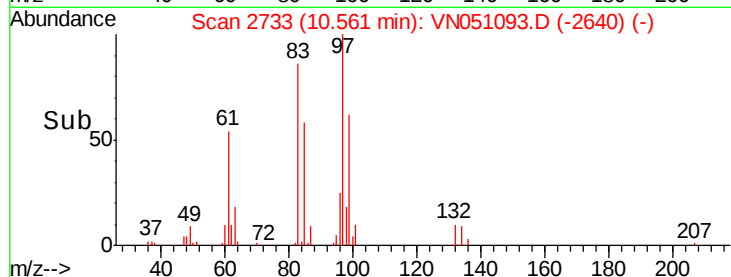
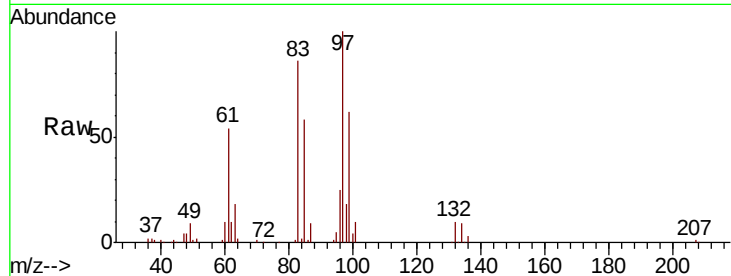
#55
 1,1,2-Trichloroethane
 Concen: 19.89 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0910WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		137400		
83	85.9	68.2	102.2		
85	58.3	44.8	67.2		
99	61.9	50.2	75.4		

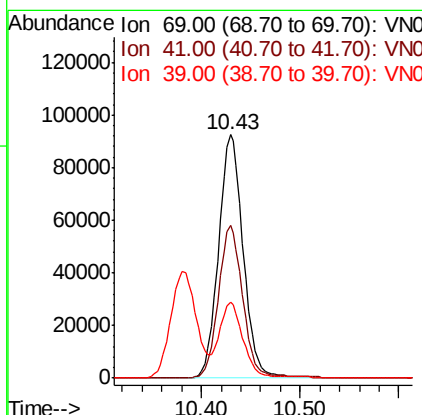
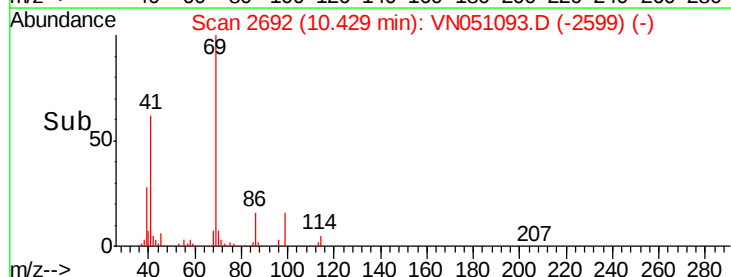
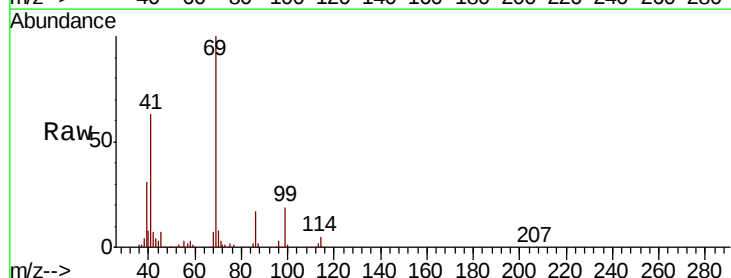
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#56
 Ethyl methacrylate
 Concen: 19.09 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		162102		
41	61.0	47.8	71.8		
39	31.1	23.0	34.4		





#57

1,3-Dichloropropane

Concen: 19.87 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 76 Resp: 227544

Ion Ratio Lower Upper

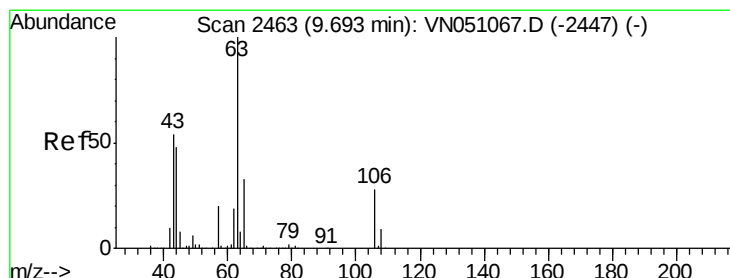
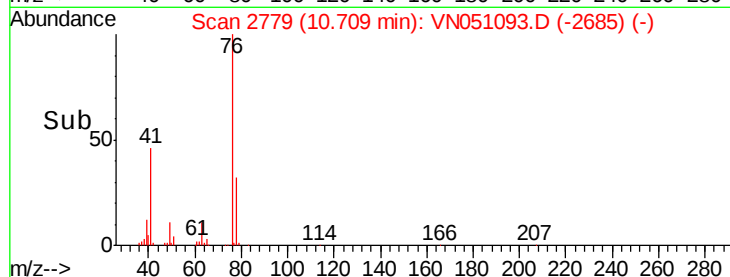
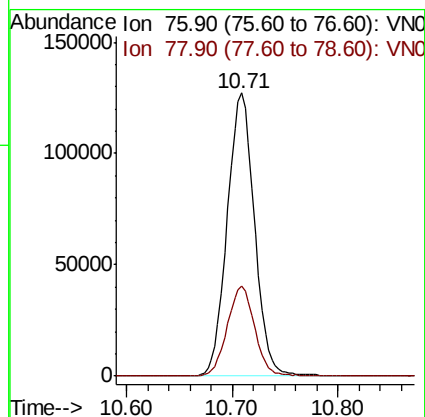
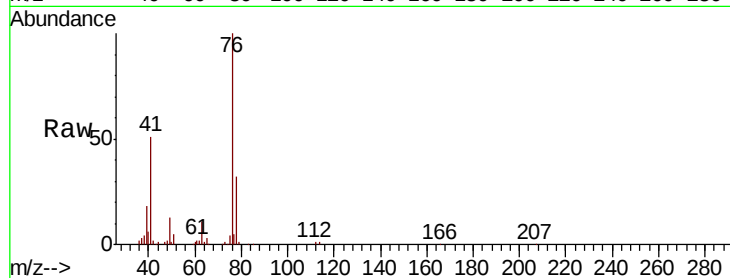
76 100

78 31.9 26.1 39.1

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#58

2-Chloroethyl Vinyl ether

Concen: 94.54 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051093.D

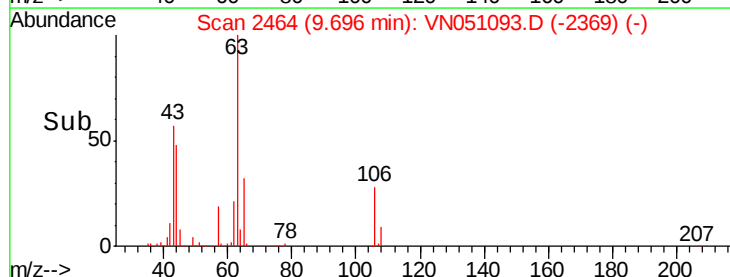
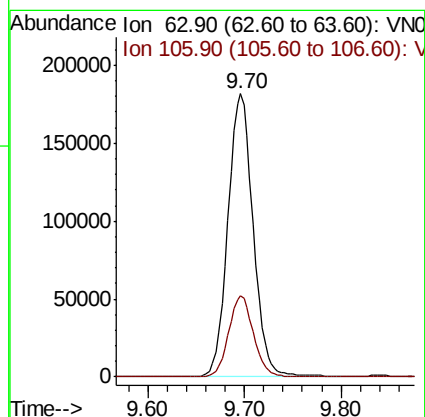
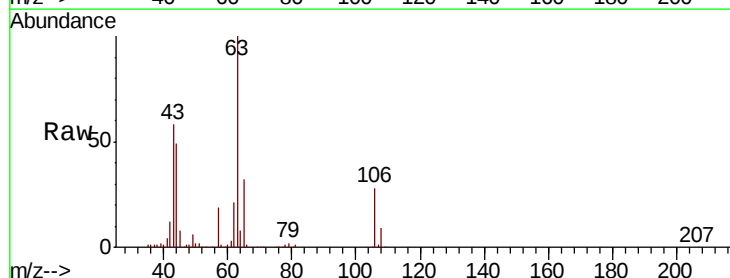
Acq: 10 Sep 2018 22:19

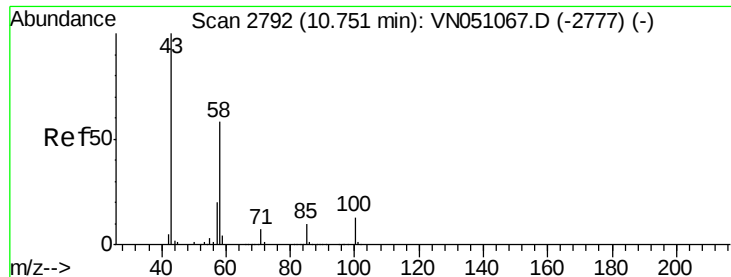
Tgt Ion: 63 Resp: 329054

Ion Ratio Lower Upper

63 100

106 28.0 22.5 33.7





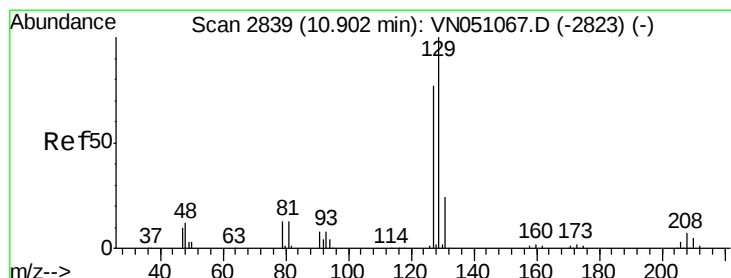
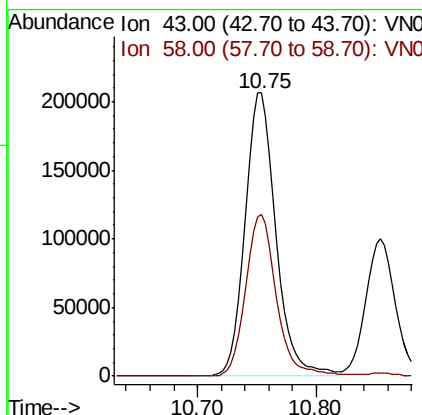
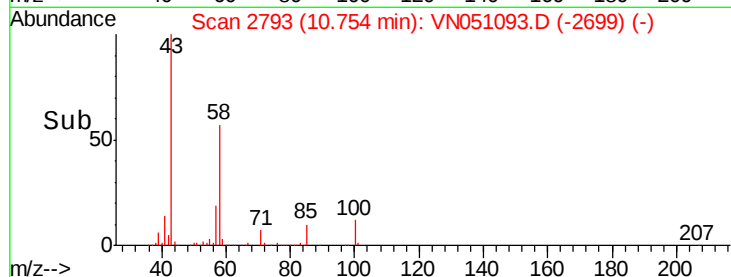
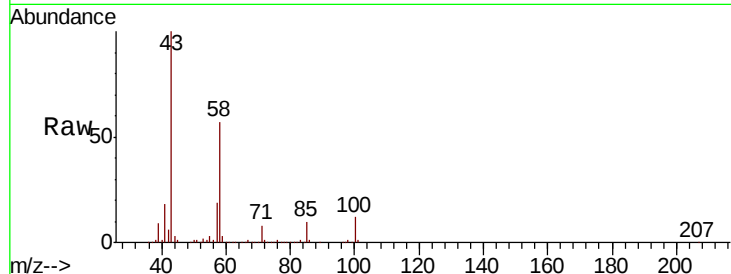
#59
2-Hexanone
Concen: 93.15 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 43 Resp: 369375
Ion Ratio Lower Upper
43 100
58 57.2 29.3 88.0

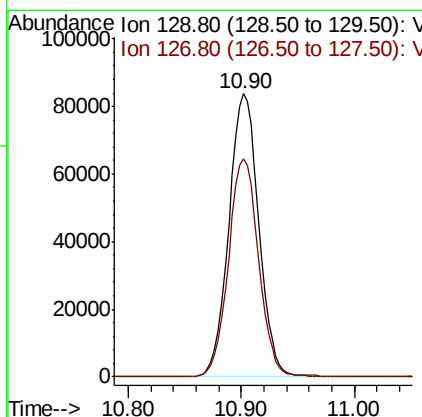
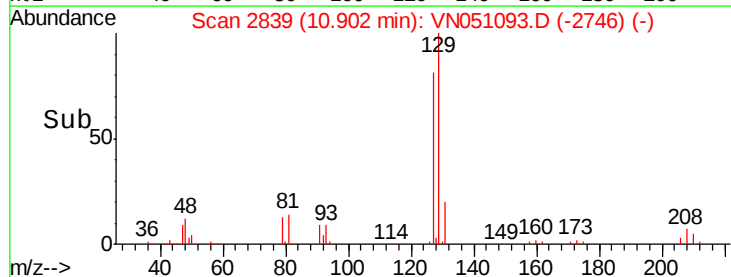
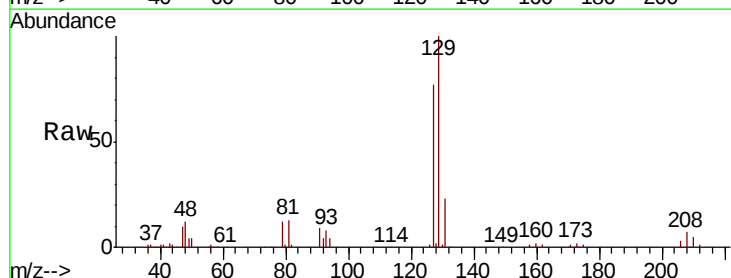
Manual Integrations
APPROVED

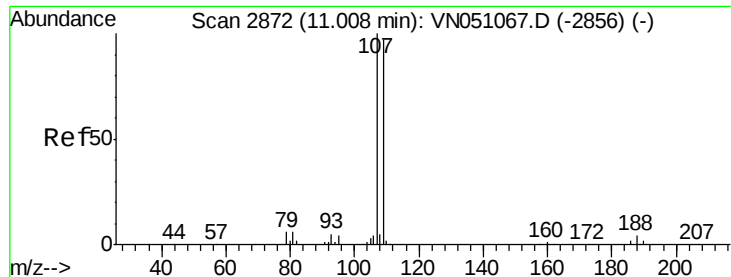
MMDadoda
9/11/2018 9:41:26 AM



#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 129 Resp: 154132
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.20 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 107 Resp: 136385

Ion Ratio Lower Upper

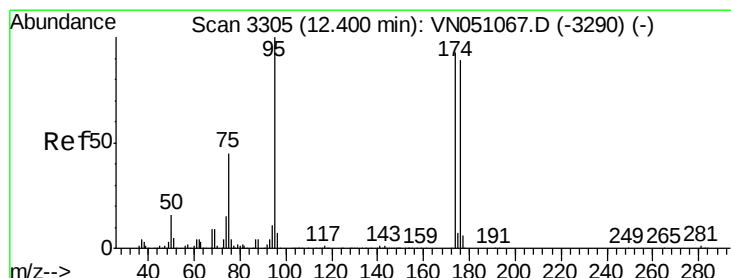
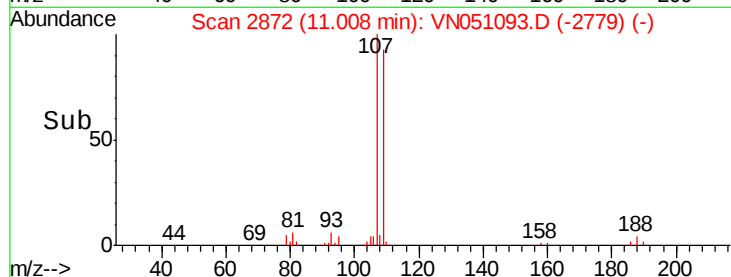
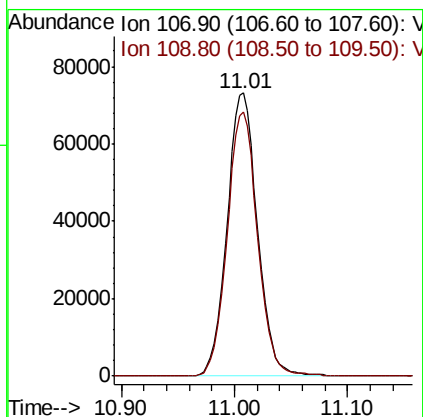
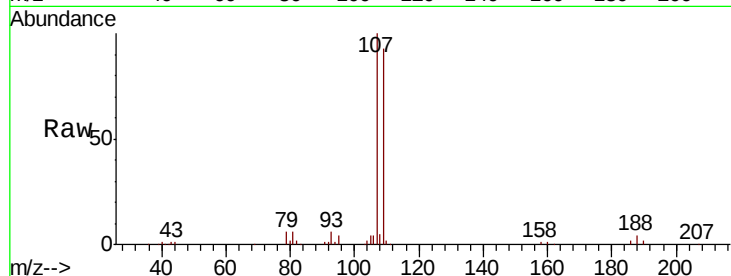
107 100

109 93.4 76.0 114.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.88 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

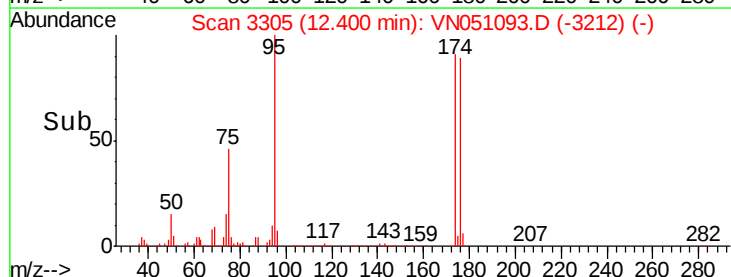
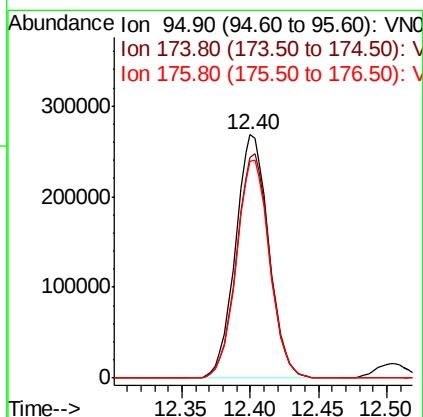
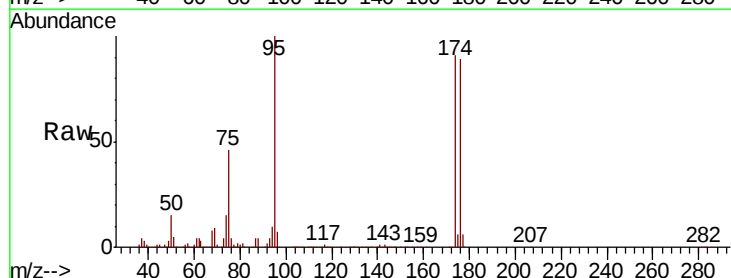
Tgt Ion: 95 Resp: 452261

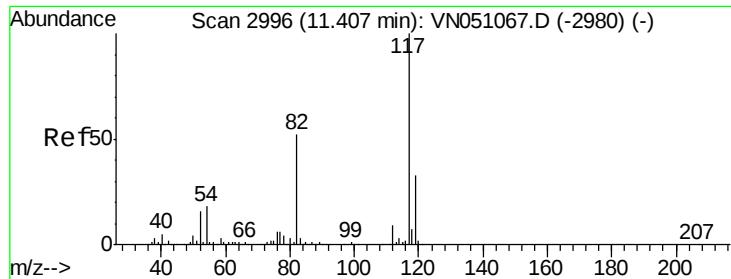
Ion Ratio Lower Upper

95 100

174 92.1 0.0 184.8

176 89.4 0.0 178.6





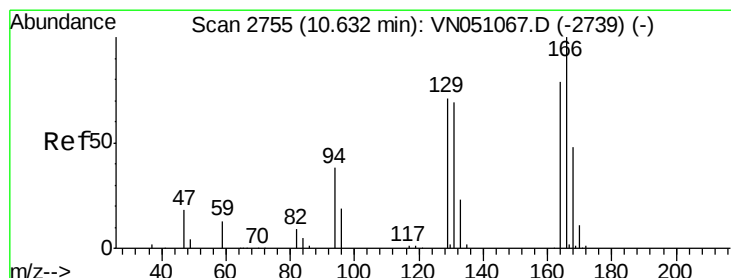
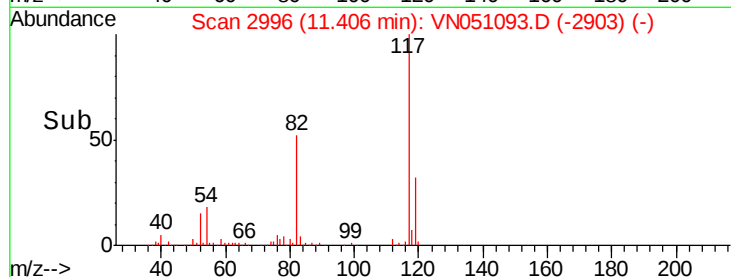
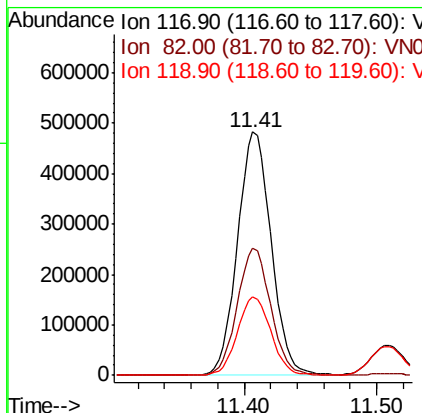
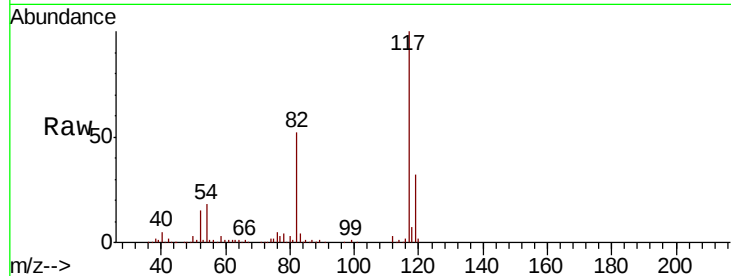
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.8	62.6
119	32.1	26.2	39.2

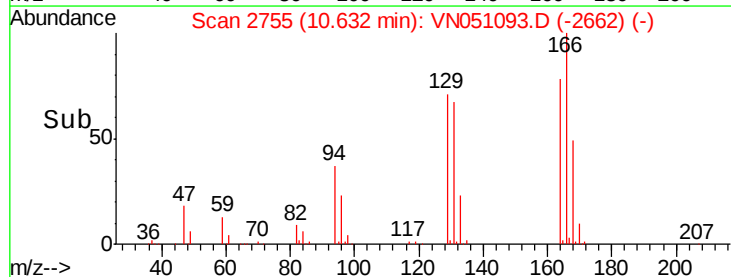
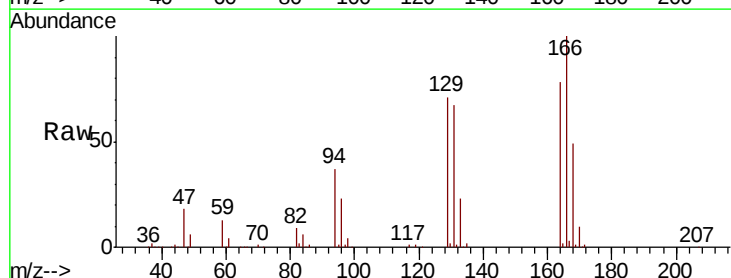
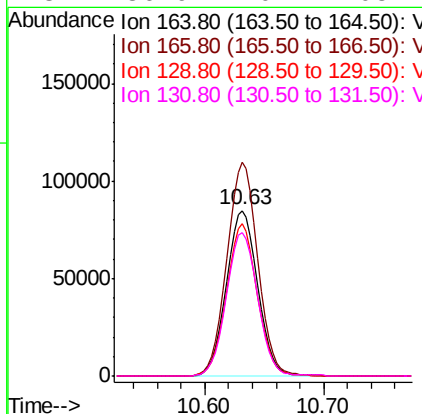
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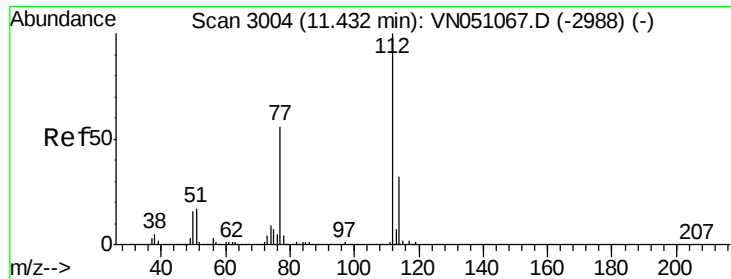
MMDadoda
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#64
Tetrachloroethene
Concen: 19.88 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.3	151.9
129	91.8	72.2	108.2
131	86.9	70.2	105.2





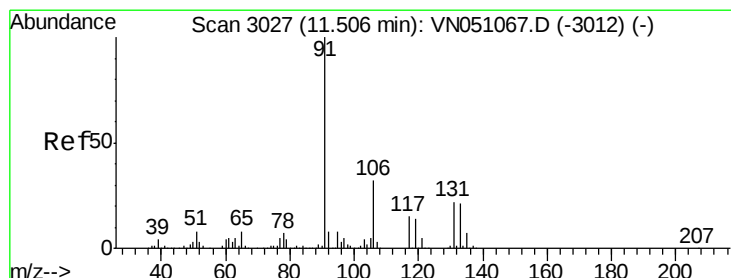
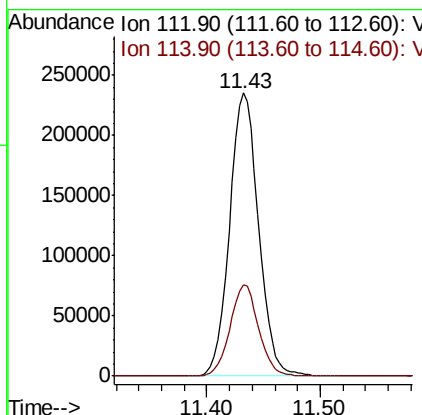
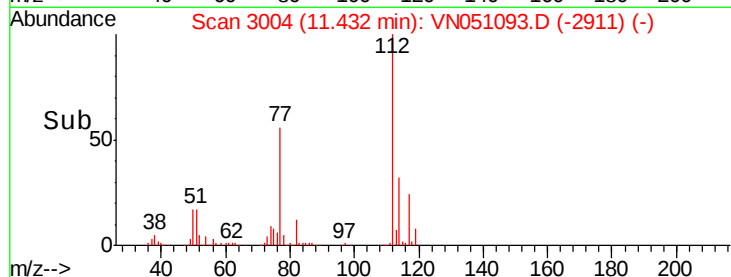
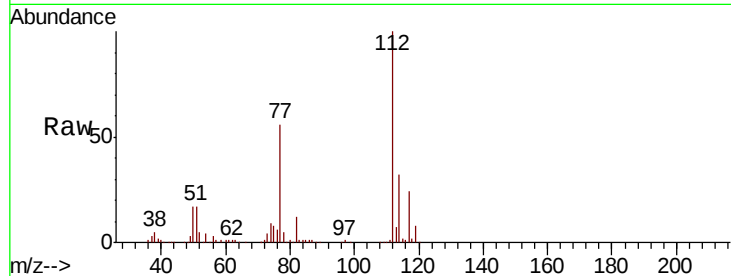
#65
Chlorobenzene
Concen: 19.48 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampled :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.8	38.6

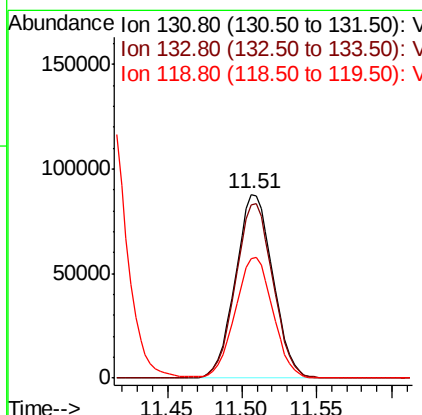
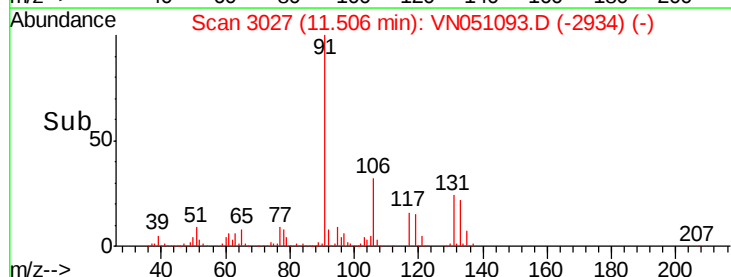
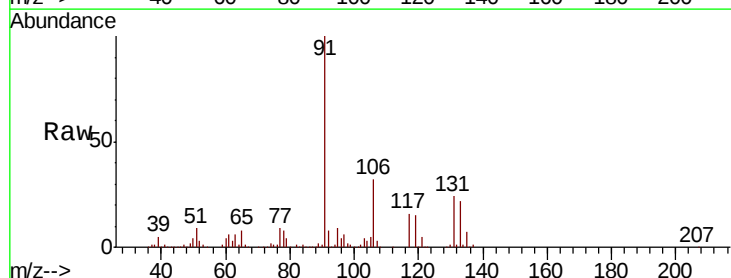
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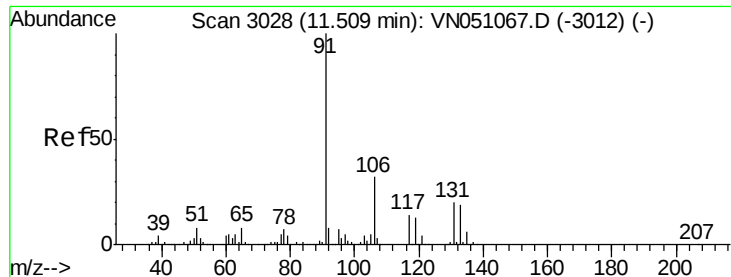
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.81 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.5	142.6
119	66.2	33.2	99.6





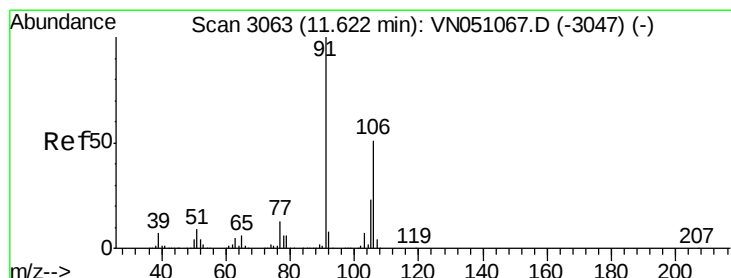
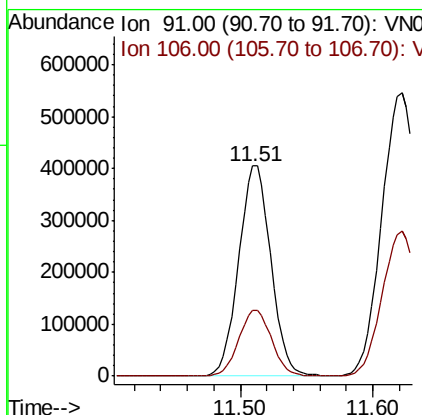
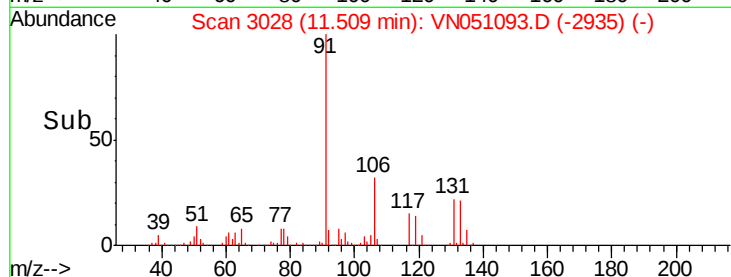
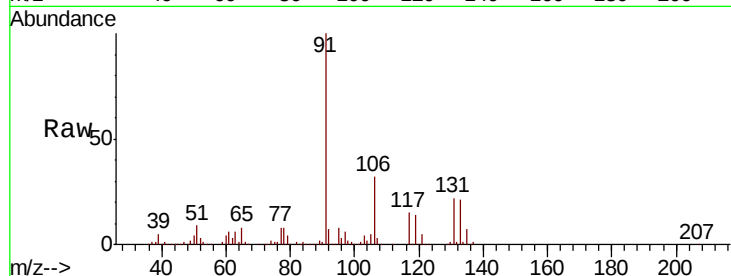
#67
Ethyl Benzene
Concen: 19.67 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion: 91 Resp: 684487
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

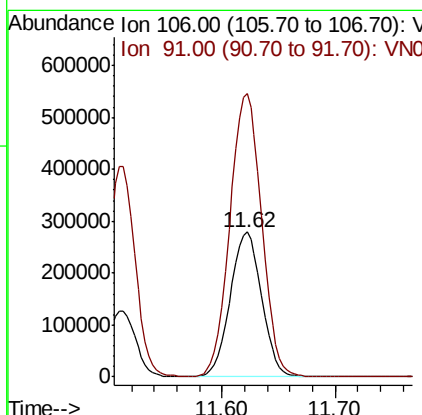
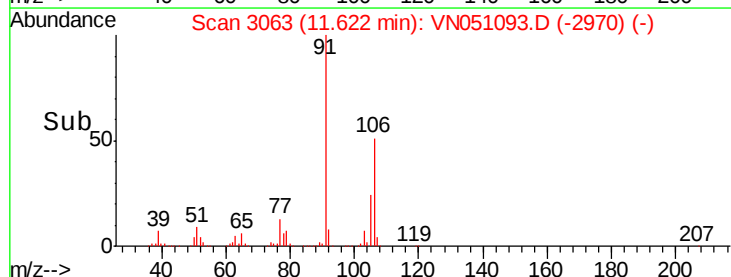
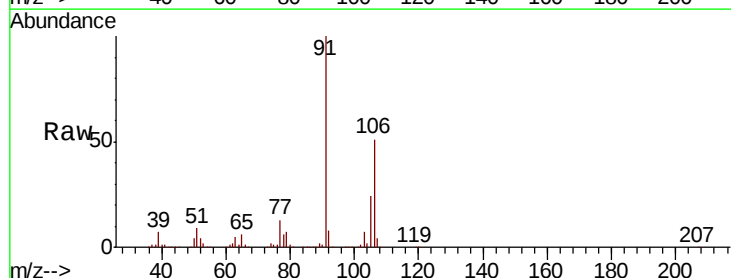
Manual Integrations
APPROVED

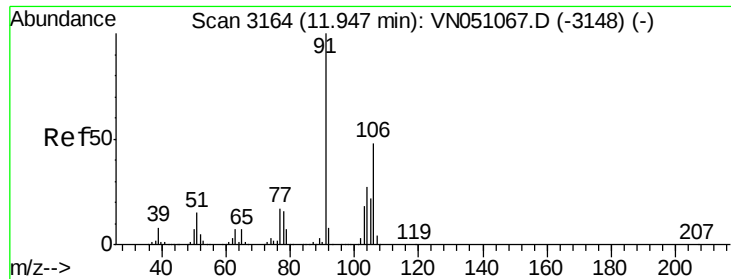
MMDadoda
9/11/2018 9:41:26 AM



#68
m/p-Xylenes
Concen: 40.31 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion: 106 Resp: 538900
Ion Ratio Lower Upper
106 100
91 197.5 159.8 239.6





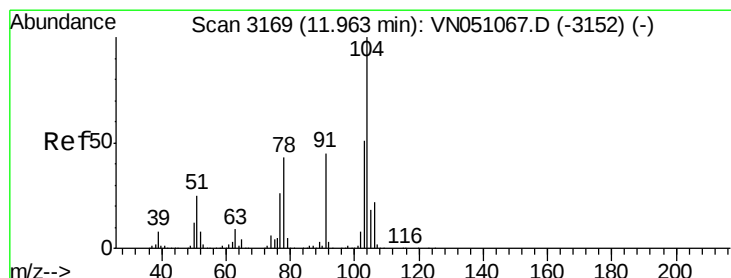
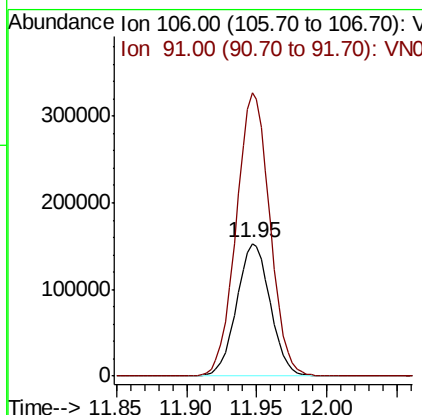
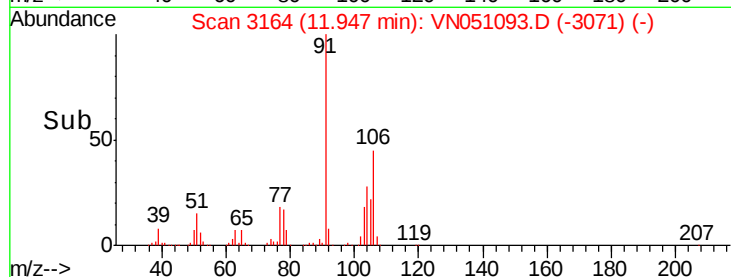
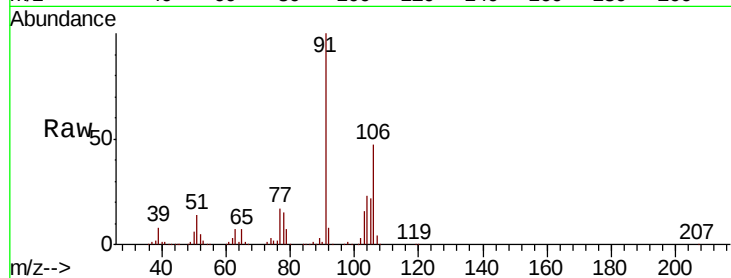
#69
o-Xylene
Concen: 19.71 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	105.1	315.1

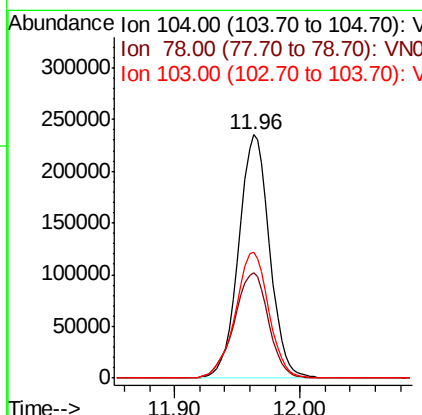
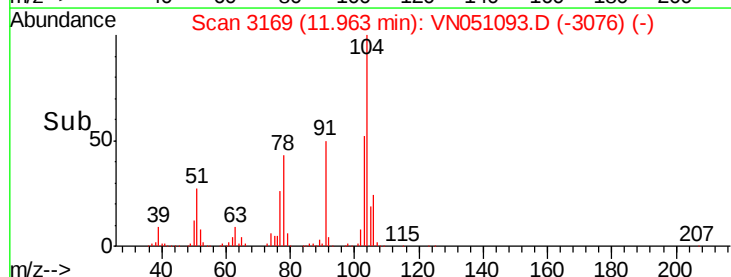
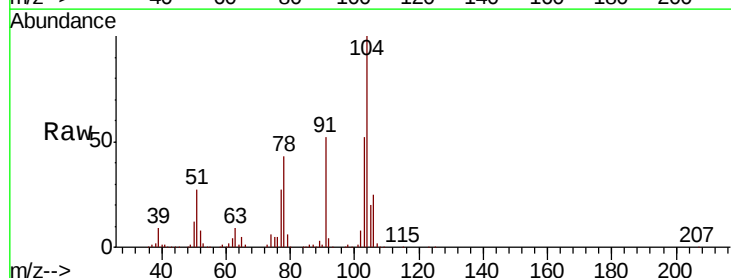
Manual Integrations
APPROVED

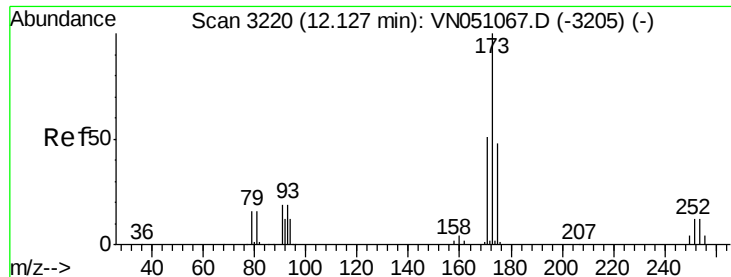
MMDadoda
9/11/2018 9:41:26 AM



#70
Styrene
Concen: 20.08 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	37.7	56.5
103	56.1	44.6	67.0





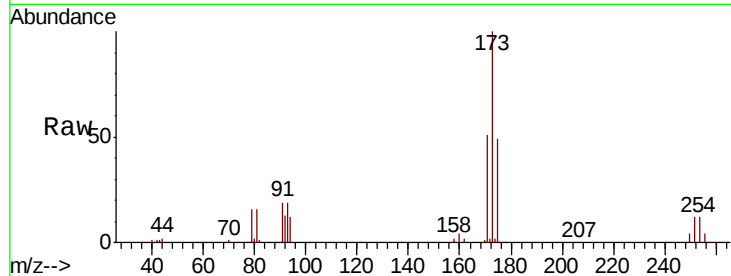
#71
Bromoform
Concen: 19.64 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
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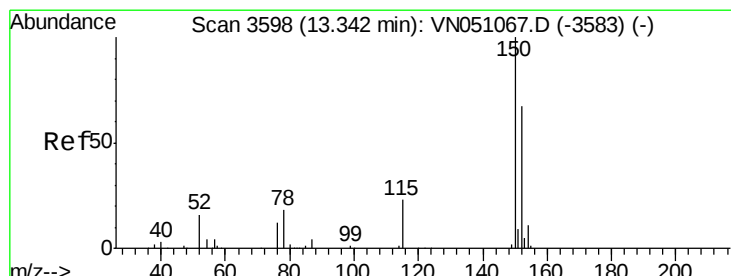
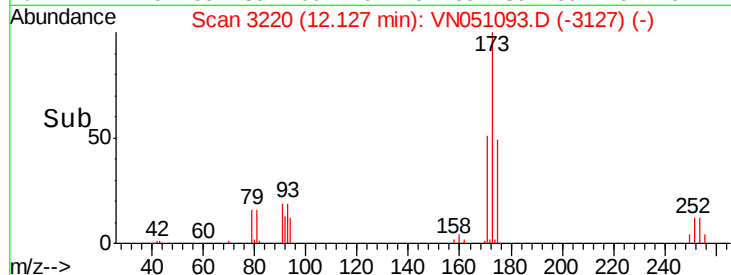
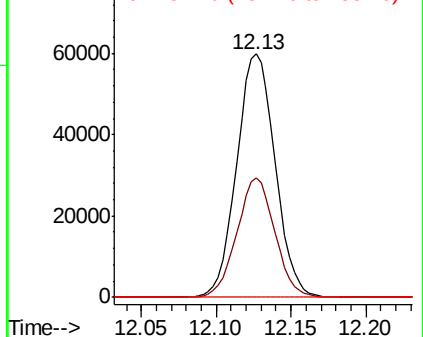


Abundance

Ion 172.70 (172.40 to 173.40): V

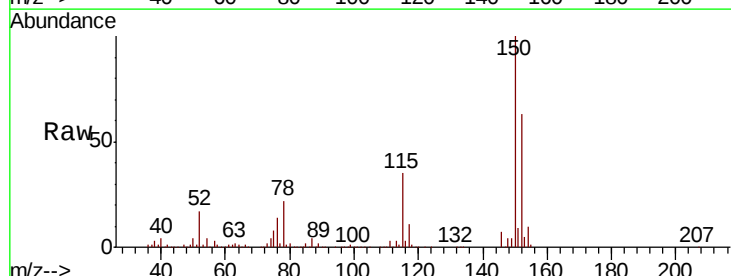
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	165.3	0.0	349.0

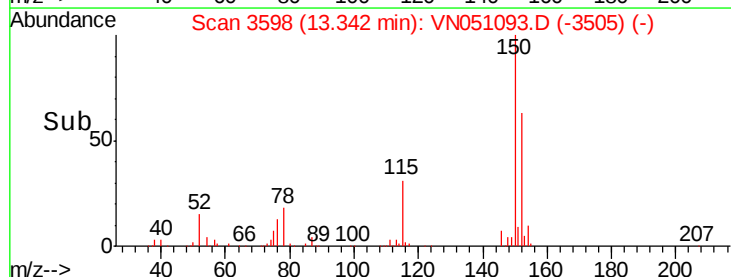
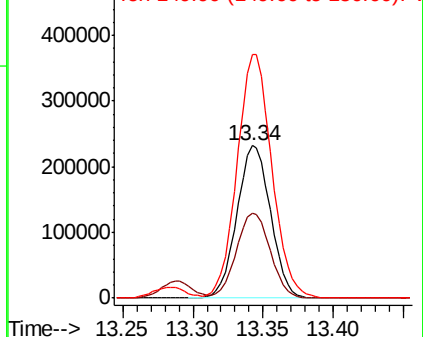


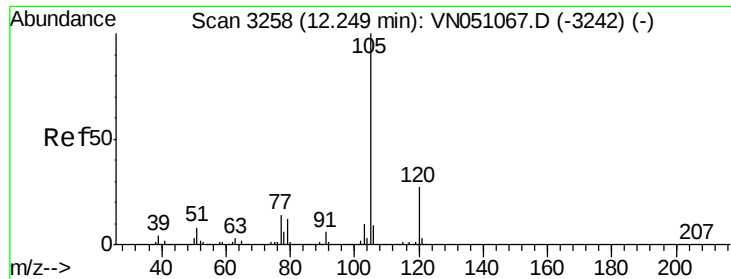
Abundance

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: 20.75 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion:105 Resp: 674392

Ion Ratio Lower Upper

105 100

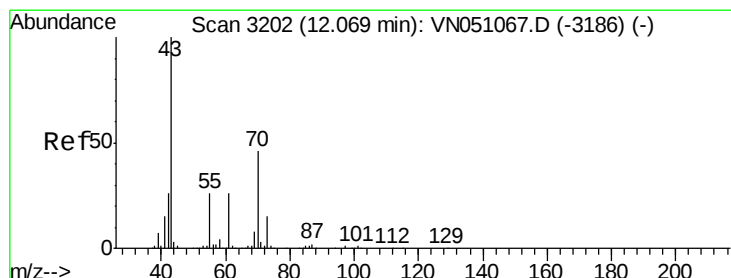
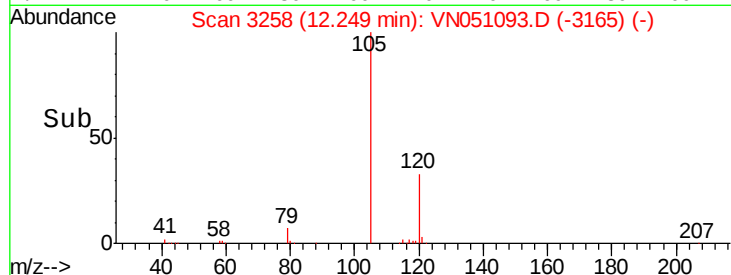
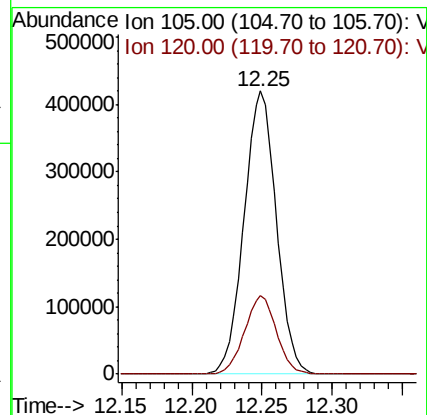
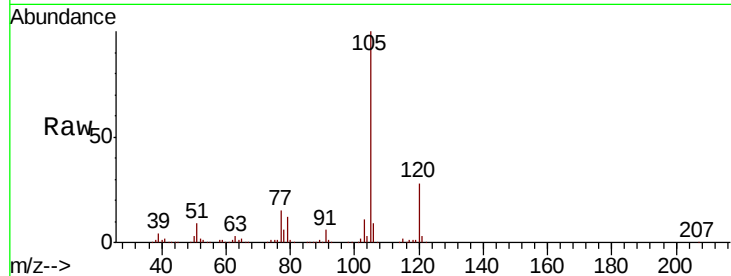
120 27.3 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.25 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion: 43 Resp: 157399

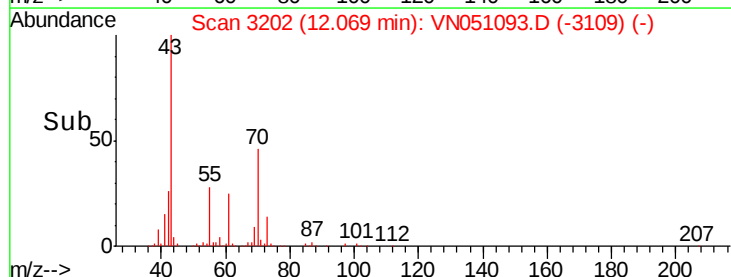
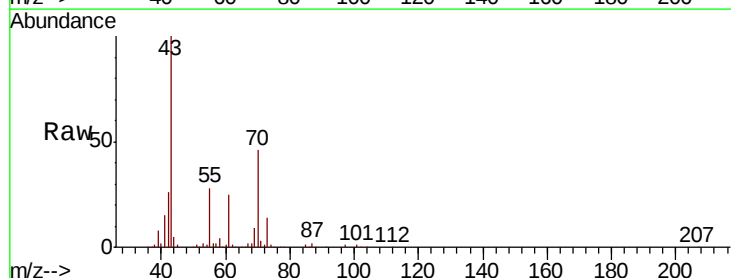
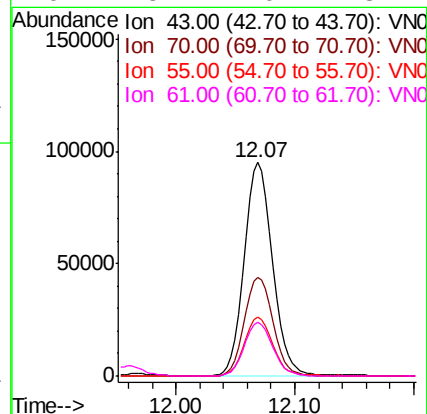
Ion Ratio Lower Upper

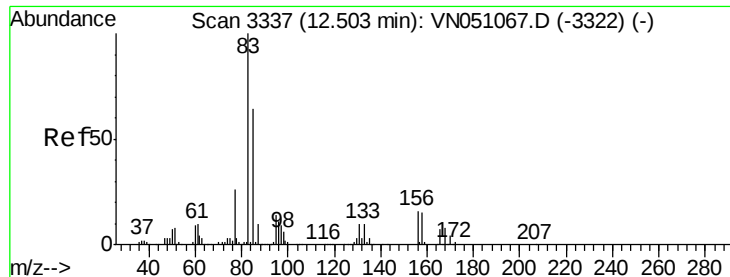
43 100

70 46.5 37.0 55.4

55 27.6 21.3 31.9

61 25.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.50 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

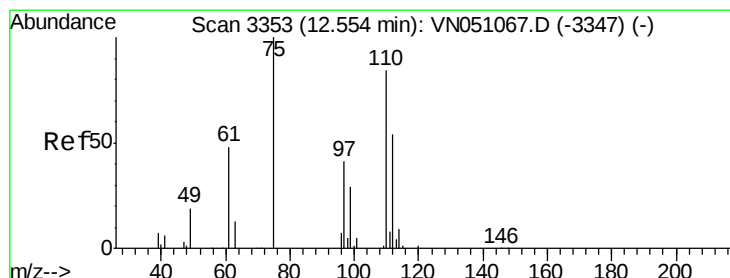
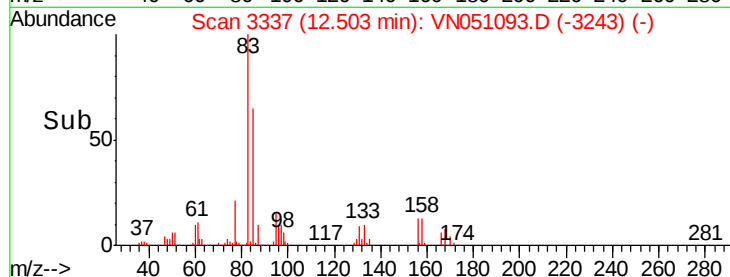
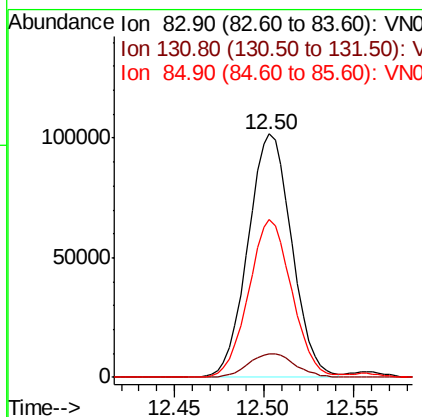
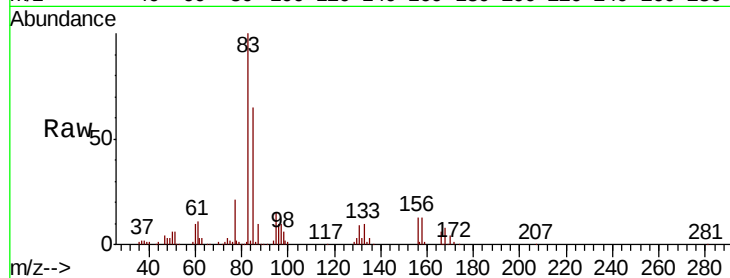
ClientSampleId :

VN0910WBS02

Tot Ion:	83	Resp:	174274
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.24 ug/l m

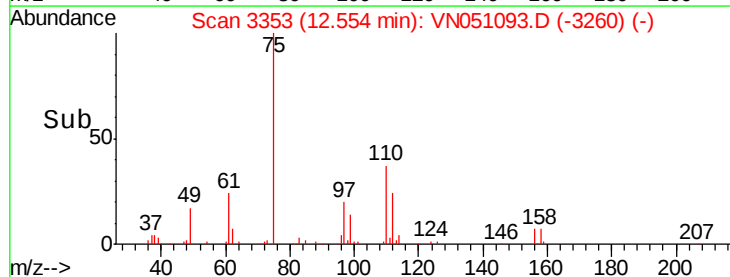
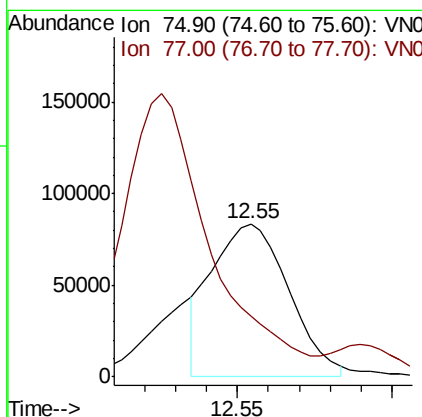
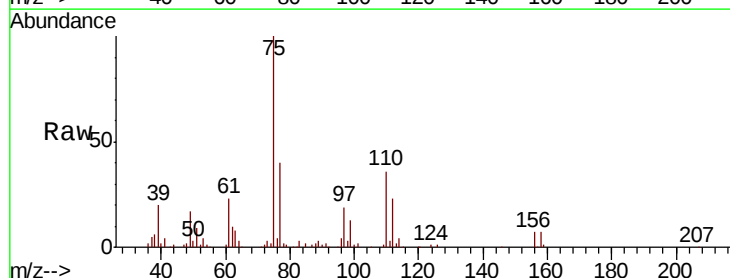
RT: 12.55 min Scan# 3353

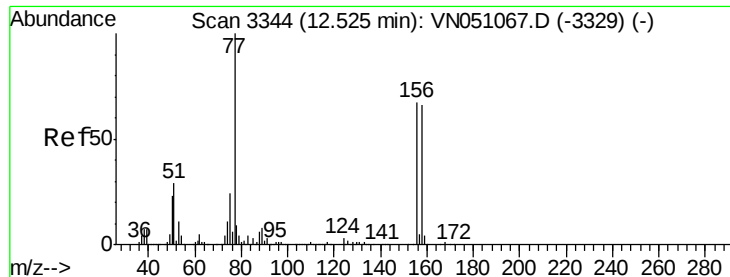
Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion:	75	Resp:	144368
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.27 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

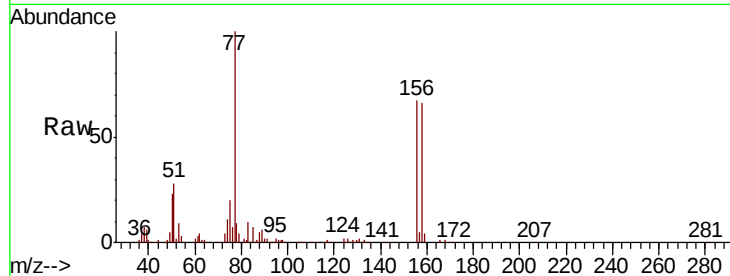
ClientSampled :

VN0910WBS02

Tot Ion:	156	Resp:	176943
Ion Ratio	Lower	Upper	
156	100		
77	172.8	87.5	262.6
158	96.8	49.0	147.2

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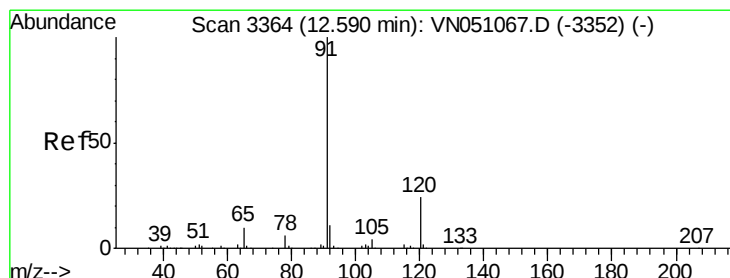
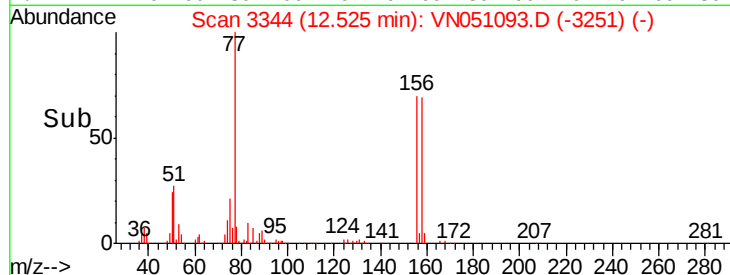
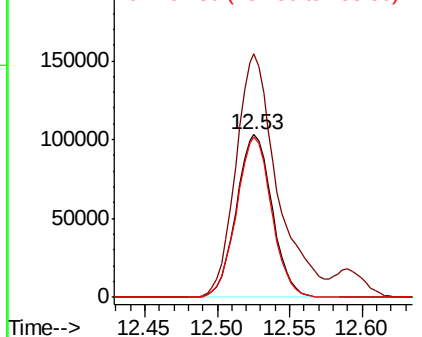


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.55 ug/l

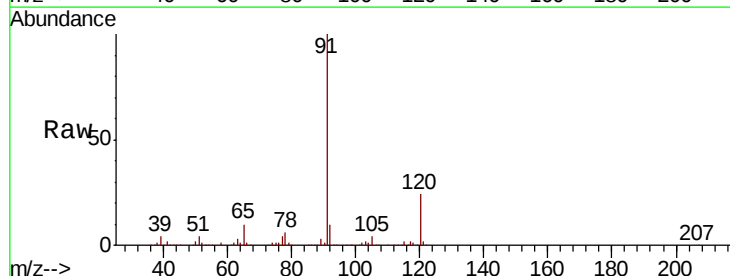
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

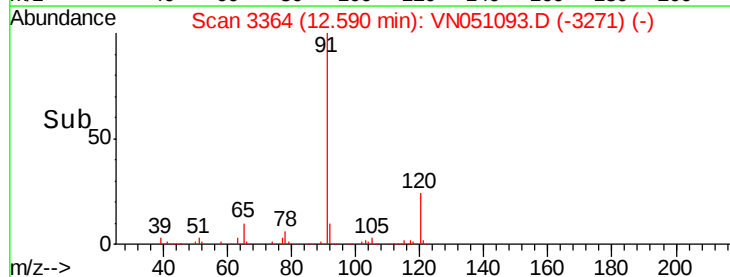
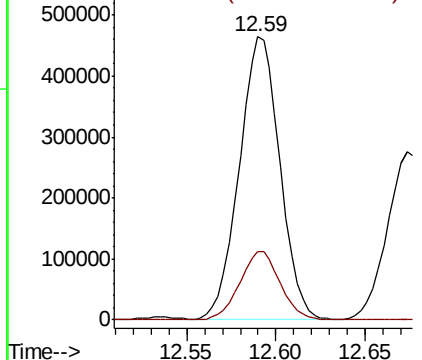
Tgt Ion:	91	Resp:	733954
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0

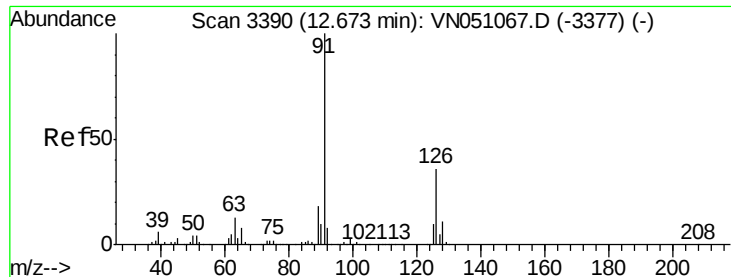


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.46 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBS02

Tot Ion: 91 Resp: 456699

Ion Ratio Lower Upper

91 100

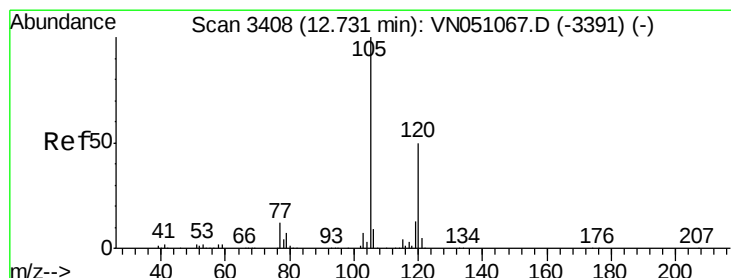
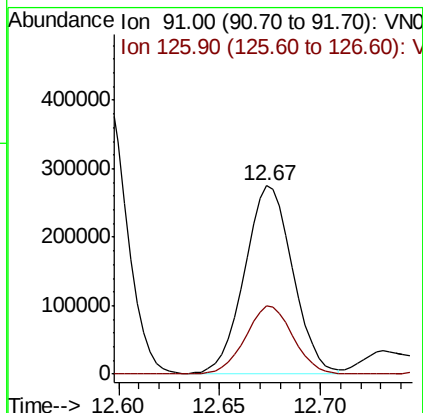
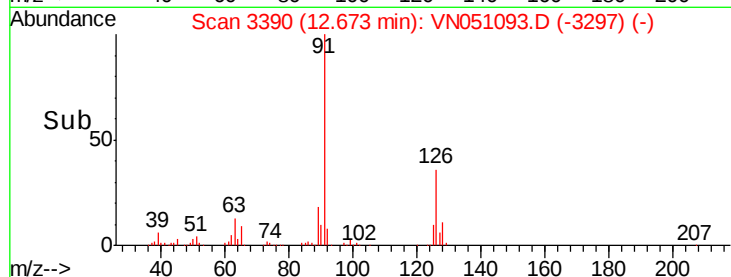
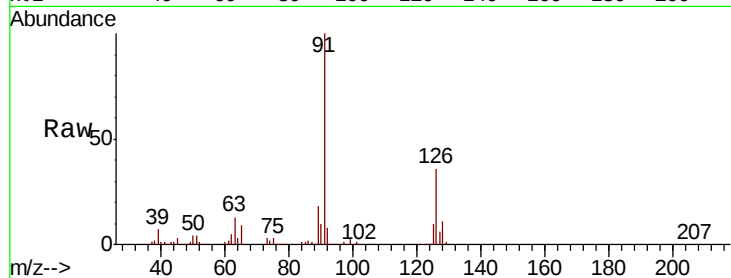
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.96 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051093.D

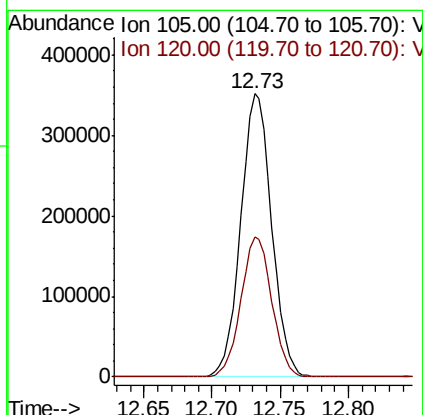
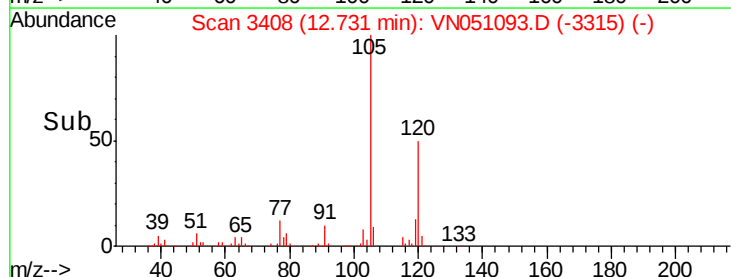
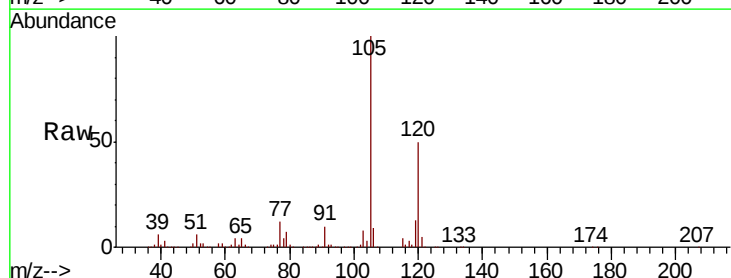
Acq: 10 Sep 2018 22:19

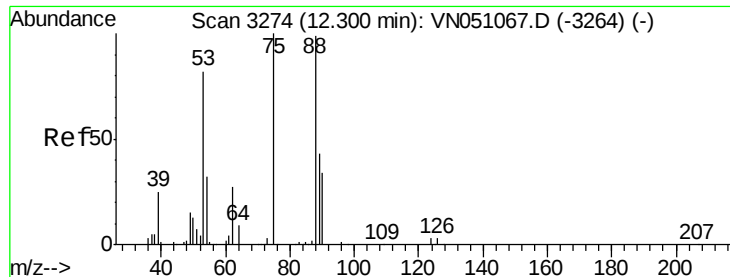
Tgt Ion: 105 Resp: 550605

Ion Ratio Lower Upper

105 100

120 49.5 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.26 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

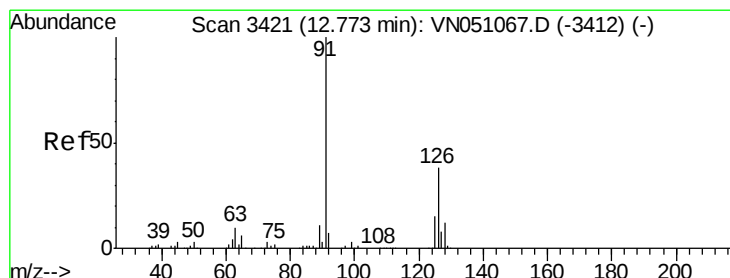
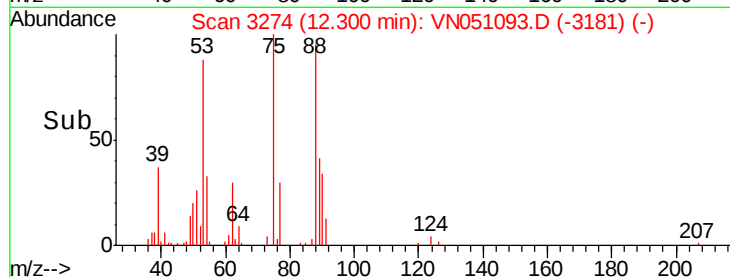
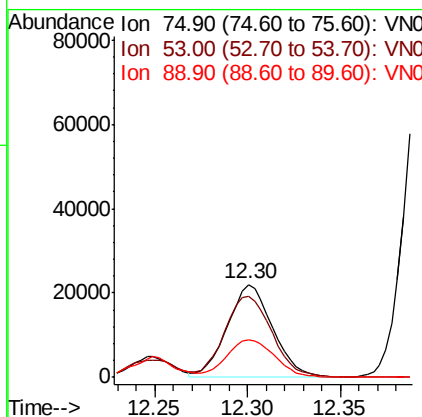
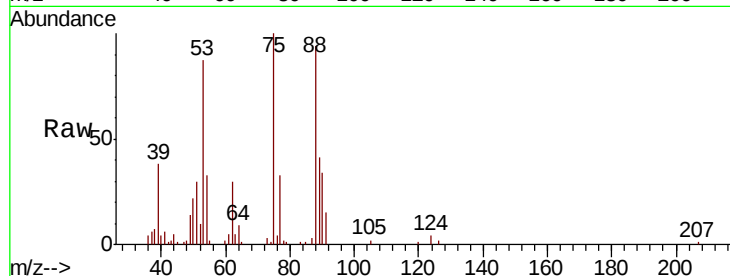
ClientSampleId :

VN0910WBS02

Tot Ion:	75	Resp:	37252
Ion	Ratio	Lower	Upper
75	100		
53	91.7	67.8	101.8
89	42.9	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.99 ug/l

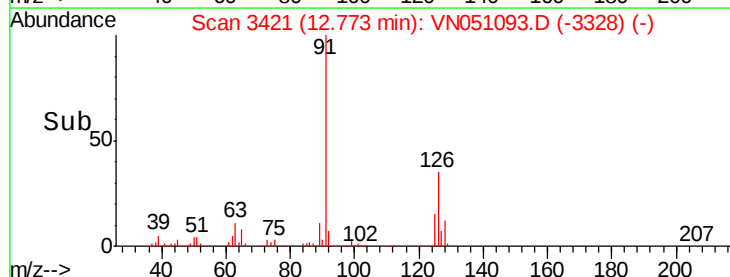
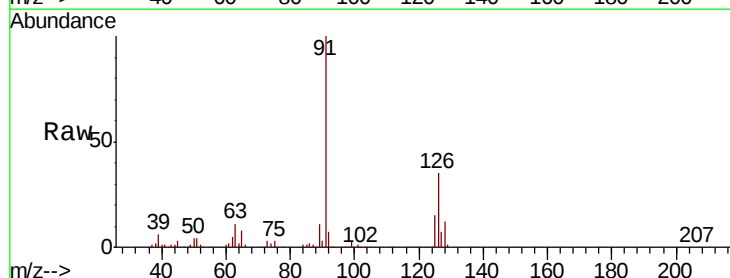
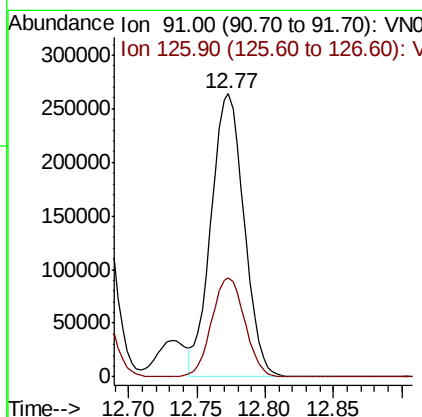
RT: 12.77 min Scan# 3421

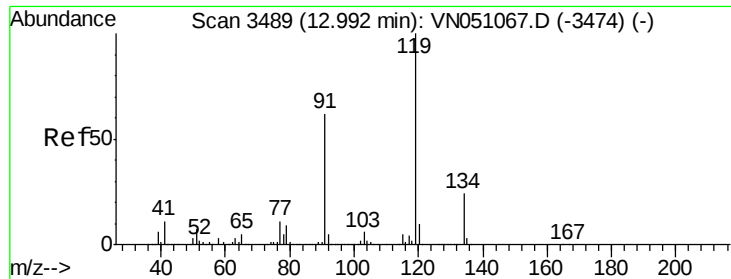
Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion:	91	Resp:	442899
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.6	52.8





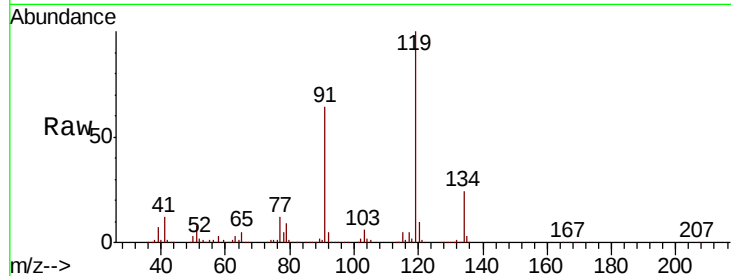
#83
tert-Butylbenzene
Concen: 20.48 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

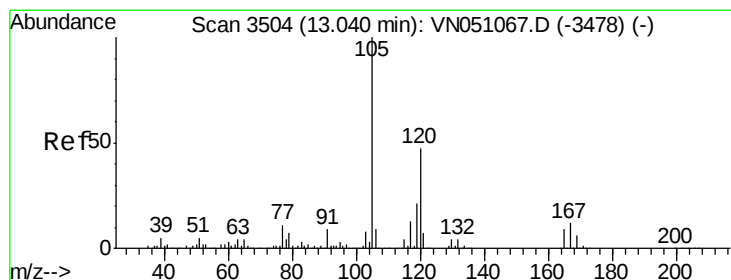
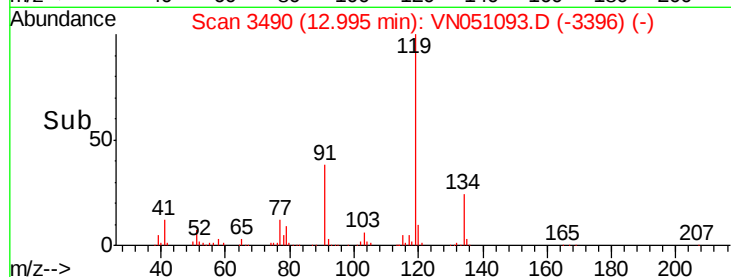
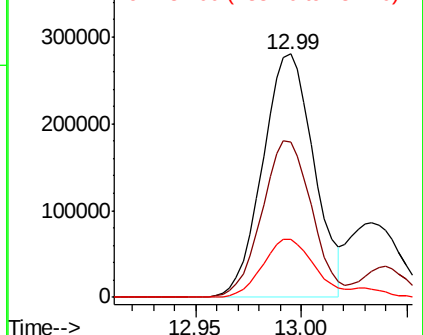
Tot Ion	Ratio	Resp	Lower	Upper
119	100	475038		
91	62.5	30.8	92.3	
134	24.4	13.2	39.6	

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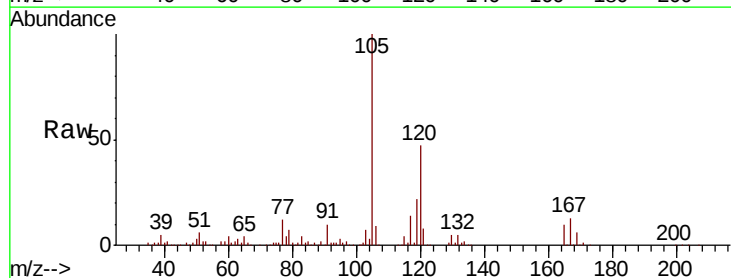


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

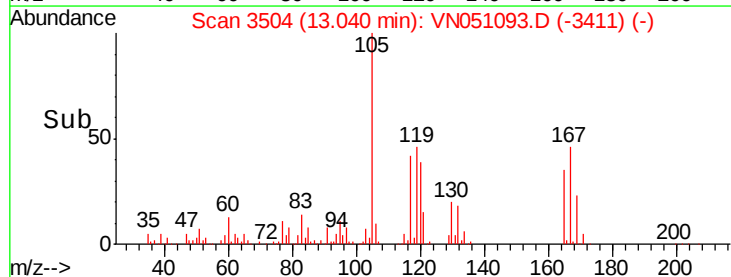
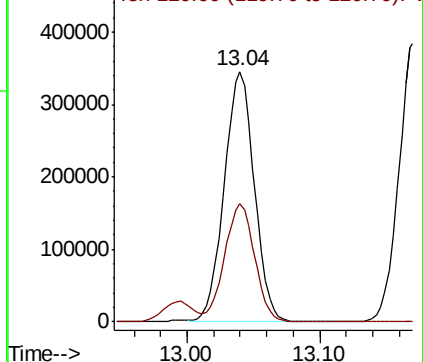


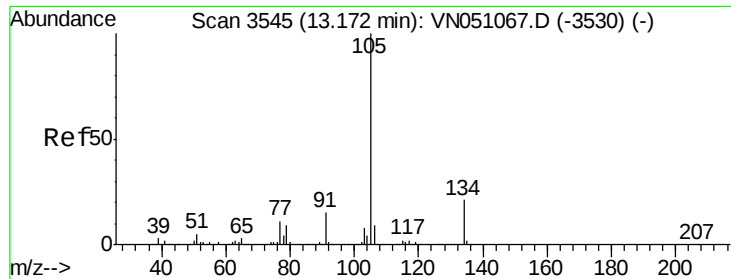
#84
1,2,4-Trimethylbenzene
Concen: 21.01 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	542587		
120	47.4	23.3	69.8	



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





#85

sec-Butylbenzene

Concen: 20.64 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

ClientSampled :

VN0910WBS02

Tot Ion:105 Resp: 613949

Ion Ratio Lower Upper

105 100

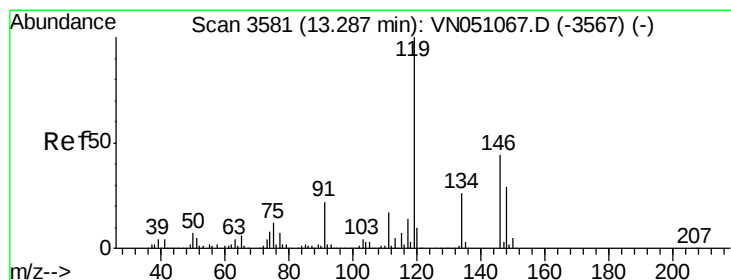
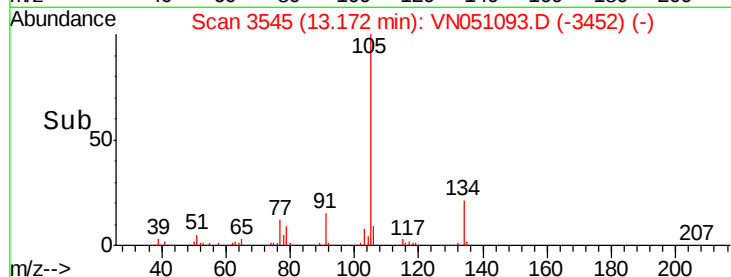
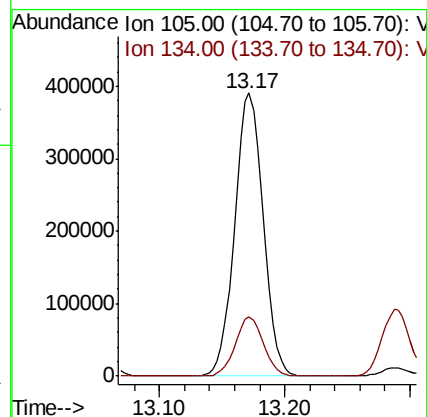
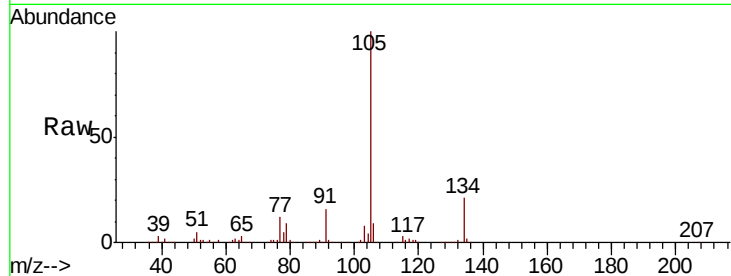
134 20.5 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 20.94 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

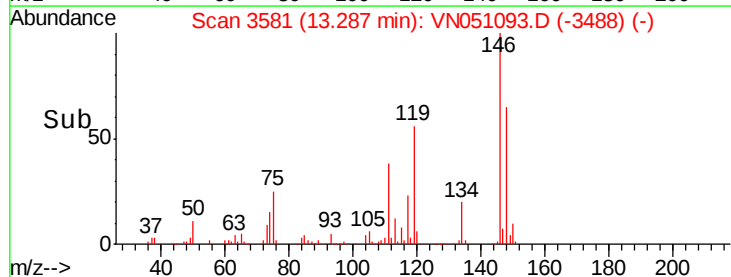
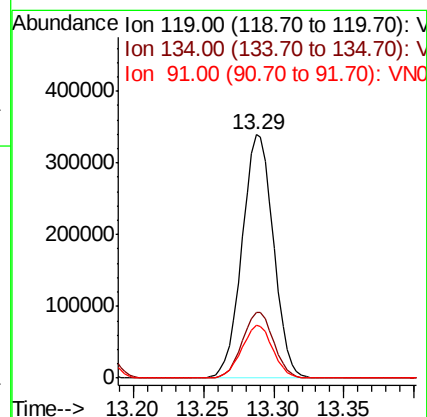
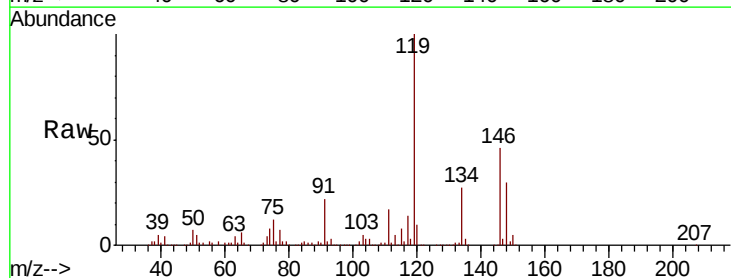
Tgt Ion:119 Resp: 528052

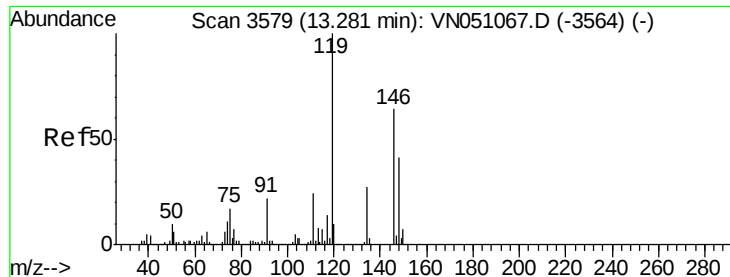
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.5 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 18.99 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Instrument :

MSVOA_N

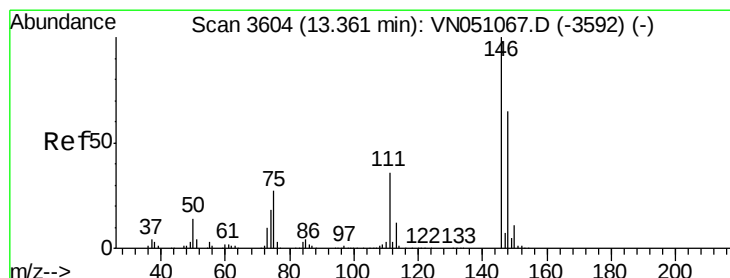
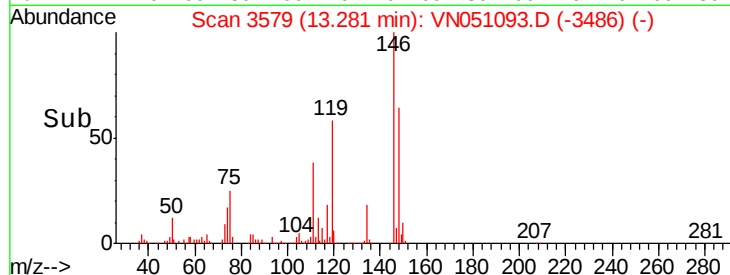
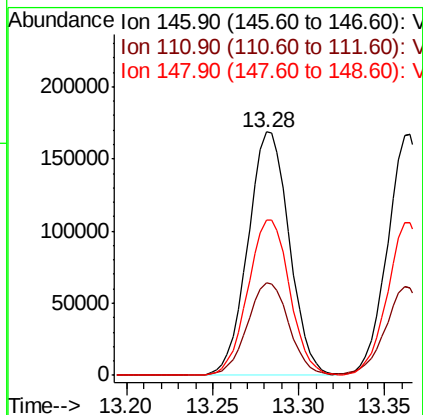
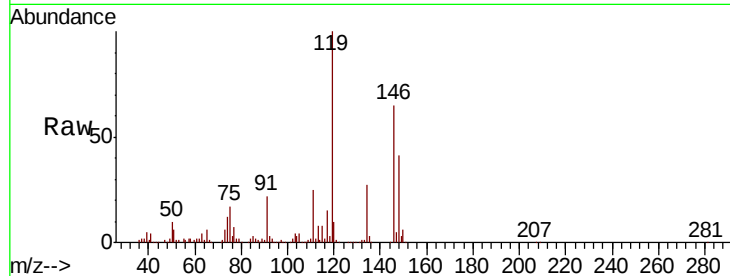
ClientSampleId :

VN0910WBS02

Tot Ion:	146	Resp:	281229
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	64.6	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 19.97 ug/l

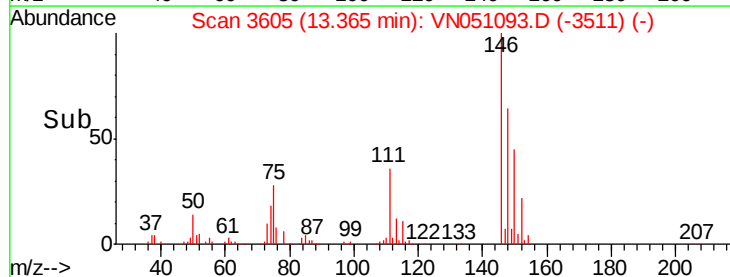
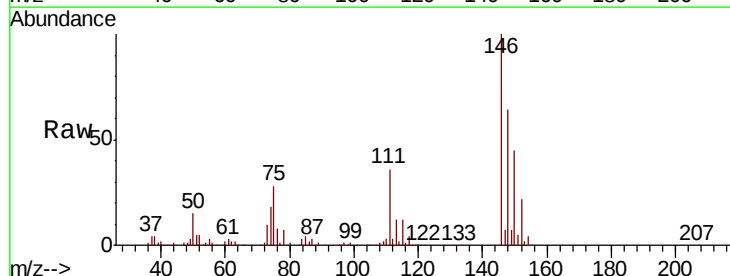
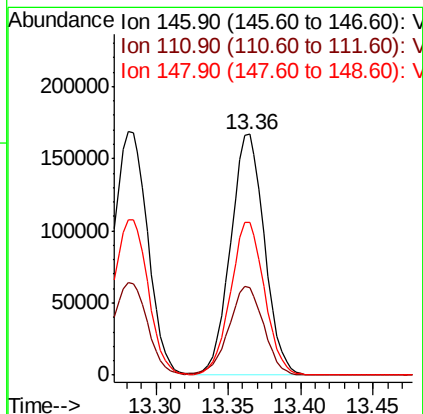
RT: 13.36 min Scan# 3605

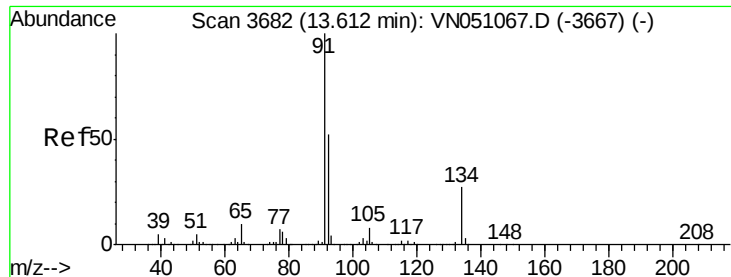
Delta R.T. 0.00 min

Lab File: VN051093.D

Acq: 10 Sep 2018 22:19

Tgt Ion:	146	Resp:	271434
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.4	55.0
148	63.6	32.2	96.6





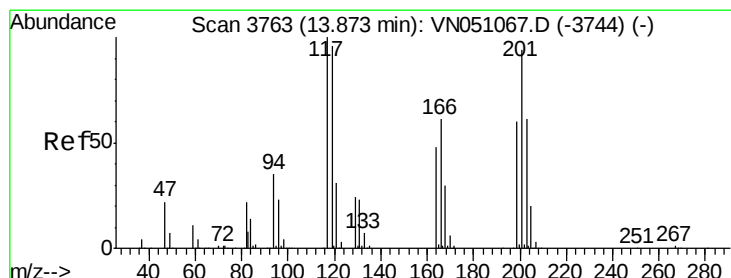
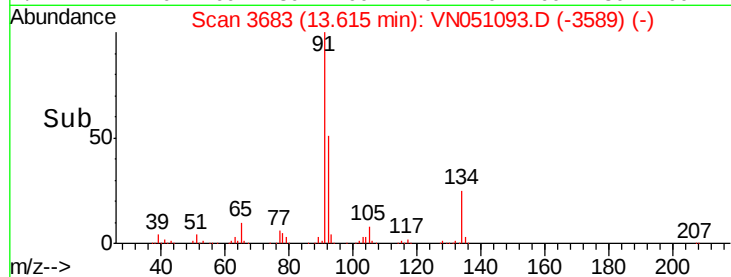
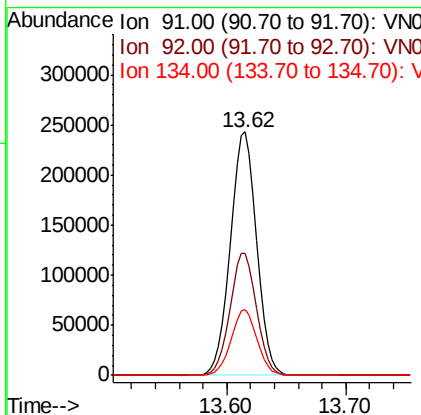
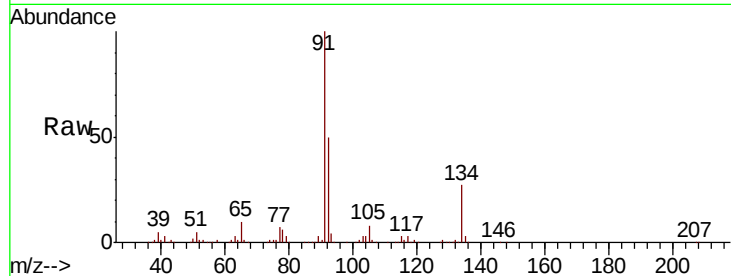
#89
n-Butylbenzene
Concen: 18.89 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.2	78.6
134	26.5	13.7	41.1

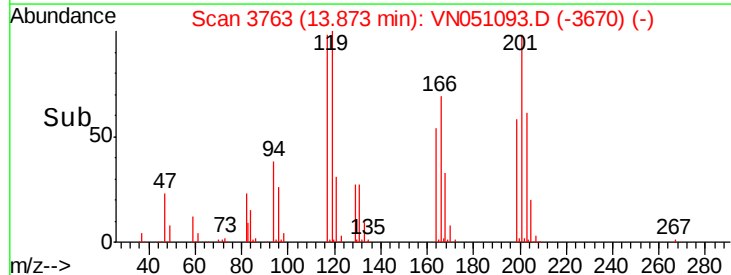
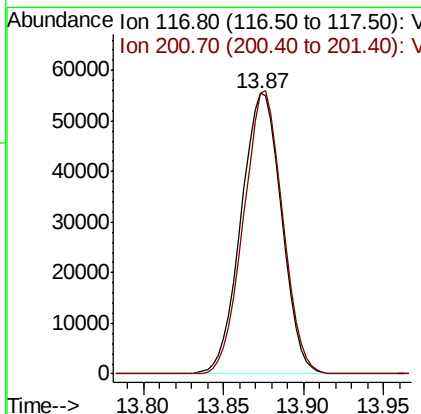
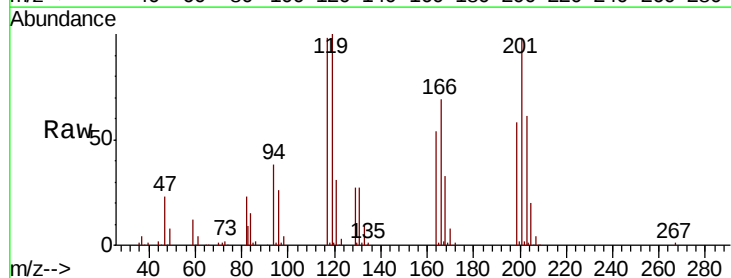
Manual Integrations
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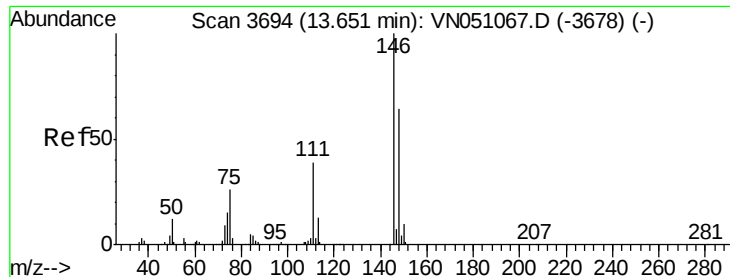
MMDadoda
9/11/2018 9:41:26 AM



#90
Hexachloroethane
Concen: 20.58 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.3	47.3	142.0





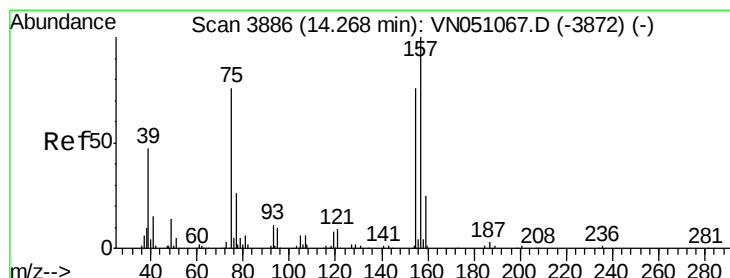
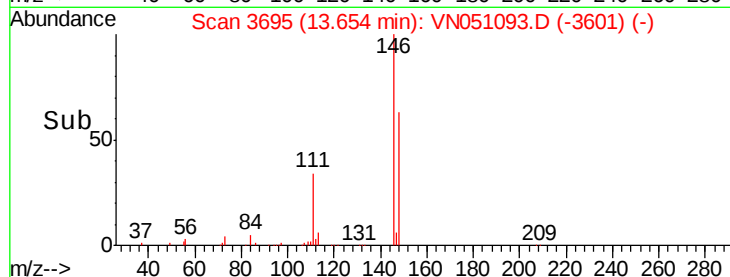
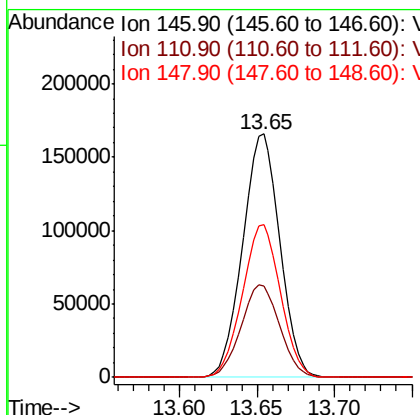
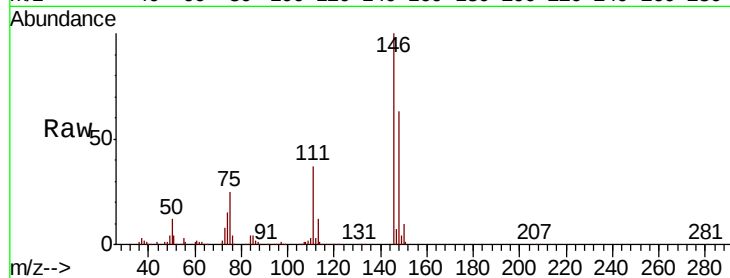
#91
 1,2-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.1	32.1	96.3

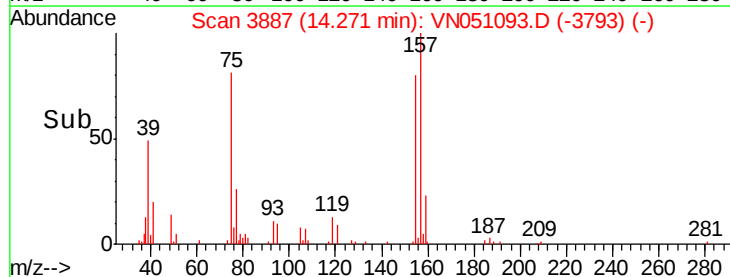
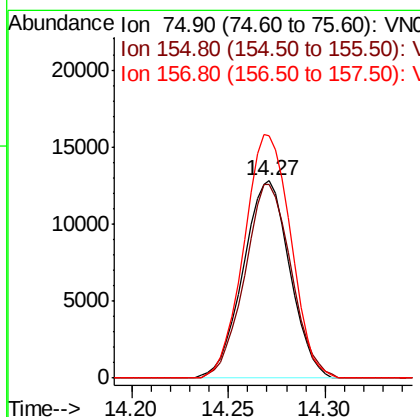
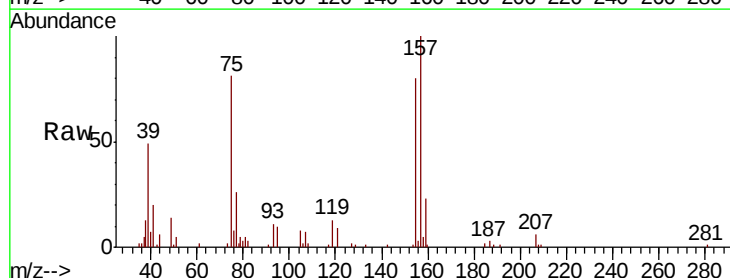
Manual Integrations
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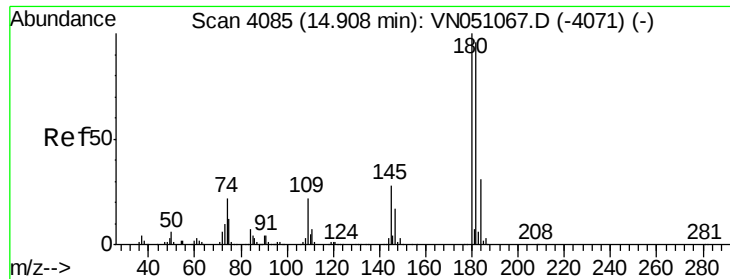
MMDadoda
 9/11/2018 9:41:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.78 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.7	146.1
157	123.3	63.6	190.9





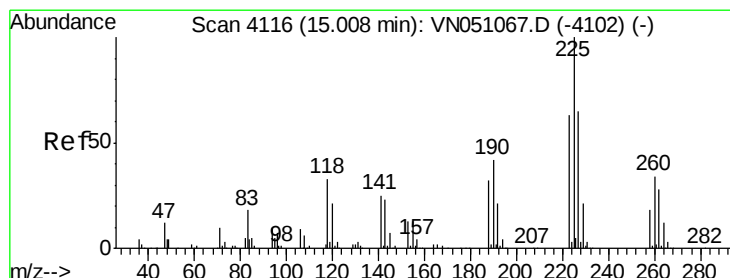
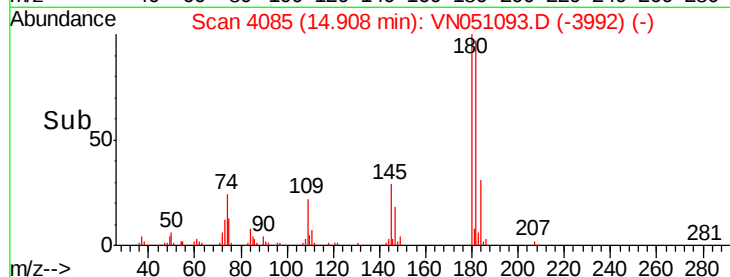
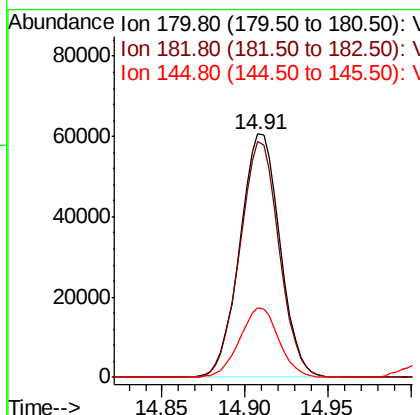
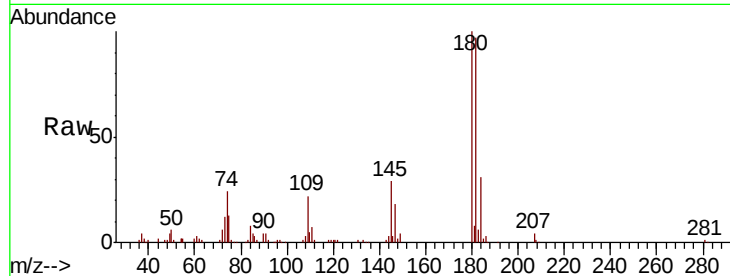
#93
 1,2,4-Trichlorobenzene
 Concen: 17.42 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101799		
182	95.1	47.3	141.8	
145	28.0	14.2	42.6	

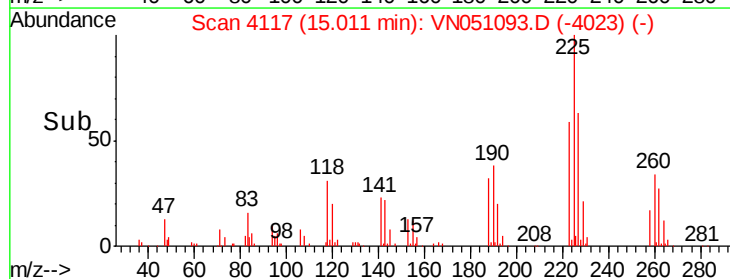
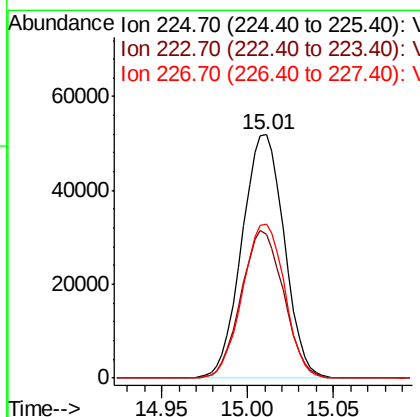
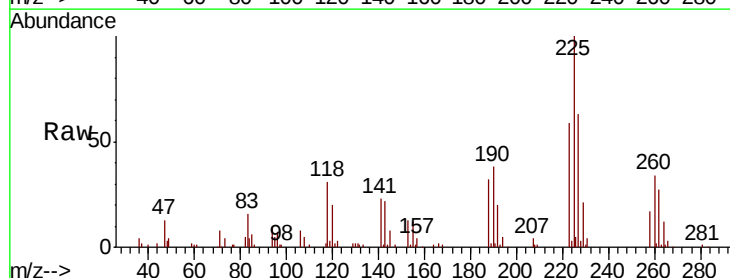
Manual Integrations
 APPROVED

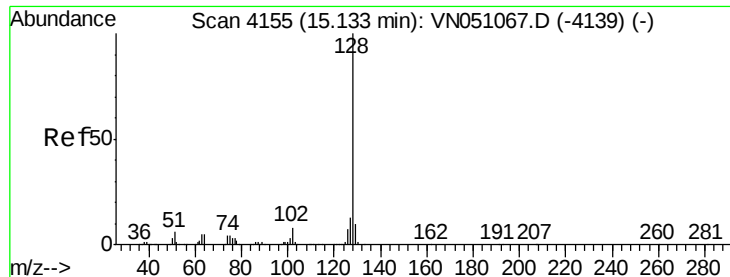
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 9/11/2018 9:41:26 AM



#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051093.D
 Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88498		
223	61.0	31.4	94.0	
227	63.2	32.1	96.3	





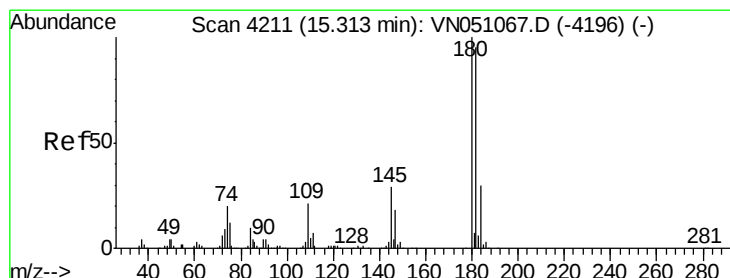
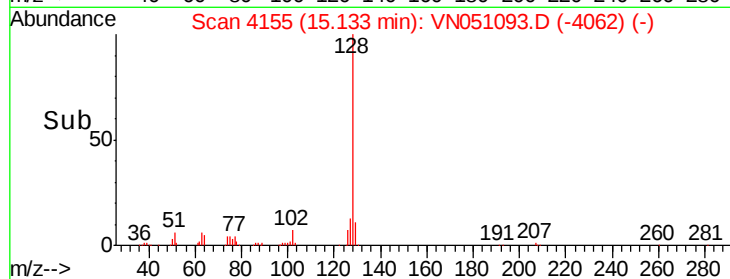
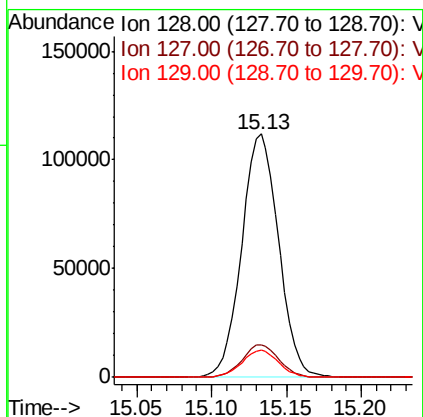
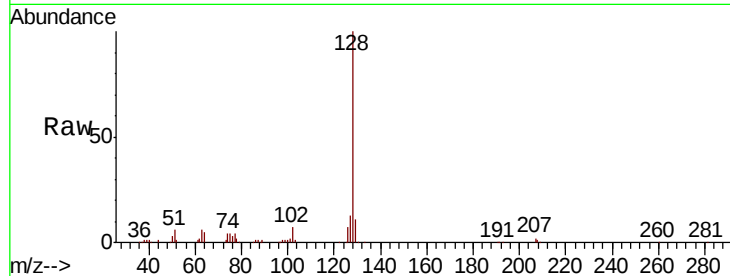
#95
Naphthalene
Concen: 17.13 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192282		
127	13.4	10.6	15.8	
129	11.0	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.21 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051093.D
Acq: 10 Sep 2018 22:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108035		
182	97.0	47.8	143.3	
145	30.2	14.6	43.8	

