

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091718\
 Data File : VN051272.D
 Acq On : 17 Sep 2018 13:54
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 4:57:53 PM

Quant Time: Sep 19 09:25:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	628118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	847231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	770025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394547	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	322752	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.59	113	322105	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1233113	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	12.40	95	399201	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	307431	50.47	ug/l	99
3) Chloromethane	2.06	50	394988	50.37	ug/l	99
4) Vinyl Chloride	2.18	62	397079	48.29	ug/l	98
5) Bromomethane	2.56	94	228452	47.05	ug/l	98
6) Chloroethane	2.70	64	233429	47.58	ug/l	98
7) Trichlorofluoromethane	3.01	101	543804	48.25	ug/l	99
8) Diethyl Ether	3.41	74	183910	49.87	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	341782	48.53	ug/l	99
10) Methyl Iodide	3.95	142	336724	47.79	ug/l	98
11) Tert butyl alcohol	4.78	59	90780	241.49	ug/l	100
12) 1,1-Dichloroethene	3.73	96	312670	49.16	ug/l	97
13) Acrolein	3.61	56	136255	238.82	ug/l	100
14) Allyl chloride	4.32	41	459777	48.97	ug/l	99
15) Acrylonitrile	4.99	53	492468	250.41	ug/l	99
16) Acetone	3.82	43	372349	249.97	ug/l	99
17) Carbon Disulfide	4.05	76	954454	48.84	ug/l	100
18) Methyl Acetate	4.32	43	218681	47.09	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	795439	52.18	ug/l	99
20) Methylene Chloride	4.55	84	347525	46.51	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	335271	48.09	ug/l	99
22) Diisopropyl ether	5.95	45	963711	52.99	ug/l	97
23) Vinyl Acetate	5.90	43	3126500	265.33	ug/l	100
24) 1,1-Dichloroethane	5.85	63	599000	49.27	ug/l	100
25) 2-Butanone	6.84	43	532324	243.43	ug/l	100
26) 2,2-Dichloropropane	6.82	77	495399	50.10	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	370701	49.77	ug/l	99
28) Bromochloromethane	7.20	49	257529	48.10	ug/l	100
29) Tetrahydrofuran	7.21	42	346132	256.01	ug/l	100
30) Chloroform	7.37	83	599107	48.25	ug/l	100
31) Cyclohexane	7.65	56	543831	49.40	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	527210	49.48	ug/l	99
36) 1,1-Dichloropropene	7.79	75	475930	51.90	ug/l	100
37) Ethyl Acetate	6.93	43	237939	50.47	ug/l	99
38) Carbon Tetrachloride	7.77	117	480217	50.22	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	548917	55.10	ug/l	99
40) Benzene	8.04	78	1406277	51.54	ug/l	100
41) Methacrylonitrile	7.17	41	131994	54.56	ug/l	97
42) 1,2-Dichloroethane	8.12	62	397035	49.48	ug/l	100
43) Isopropyl Acetate	8.16	43	428630	52.54	ug/l	99
44) Trichloroethene	8.83	130	390043	50.85	ug/l	97
45) 1,2-Dichloropropane	9.12	63	356971	51.60	ug/l	98
46) Dibromomethane	9.21	93	210322	49.91	ug/l	99
47) Bromodichloromethane	9.40	83	460846	51.31	ug/l	100
48) Methyl methacrylate	9.20	41	212008	53.96	ug/l	99
49) 1,4-Dioxane	9.20	88	60564	1065.47	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1138910	270.56	ug/l	99
52) Toluene	10.16	92	884960	54.18	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	456444	54.08	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	536476	53.22	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	298885	51.17	ug/l	99
56) Ethyl methacrylate	10.43	69	363449	48.95	ug/l	99
57) 1,3-Dichloropropane	10.71	76	507328	53.32	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	857188	250.29	ug/l	99
59) 2-Hexanone	10.75	43	745094	268.84	ug/l	99
60) Dibromochloromethane	10.90	129	357040	51.94	ug/l	99
61) 1,2-Dibromoethane	11.00	107	294968	52.54	ug/l	97
64) Tetrachloroethene	10.63	164	361077	49.39	ug/l	99
65) Chlorobenzene	11.43	112	975375	51.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	359806	49.90	ug/l	99
67) Ethyl Benzene	11.51	91	1638804	53.99	ug/l	100
68) m/p-Xylenes	11.62	106	1298941	110.16	ug/l	100
69) o-Xylene	11.95	106	620266	55.20	ug/l	100
70) Styrene	11.96	104	983445	49.49	ug/l	100
71) Bromoform	12.13	173	244364	51.10	ug/l	100
73) Isopropylbenzene	12.25	105	1644040	49.41	ug/l	99
74) N-amyl acetate	12.07	43	334322	48.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	352130	50.81	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	293529m	54.69	ug/l	
77) Bromobenzene	12.53	156	417348	50.16	ug/l	99
78) n-propylbenzene	12.59	91	1816104	50.60	ug/l	100
79) 2-Chlorotoluene	12.67	91	1079565	47.32	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1340484	50.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	90675	51.04	ug/l	98
82) 4-Chlorotoluene	12.77	91	1080105	49.77	ug/l	100
83) tert-Butylbenzene	12.99	119	1169956	49.77	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1353964	52.41	ug/l	99
85) sec-Butylbenzene	13.17	105	1531822	51.31	ug/l	100
86) p-Isopropyltoluene	13.29	119	1363166	54.46	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	711048	48.37	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	686775	49.33	ug/l	99
89) n-Butylbenzene	13.61	91	1029873	50.09	ug/l	99
90) Hexachloroethane	13.87	117	243301	49.81	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	678158	50.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46207	47.62	ug/l	99

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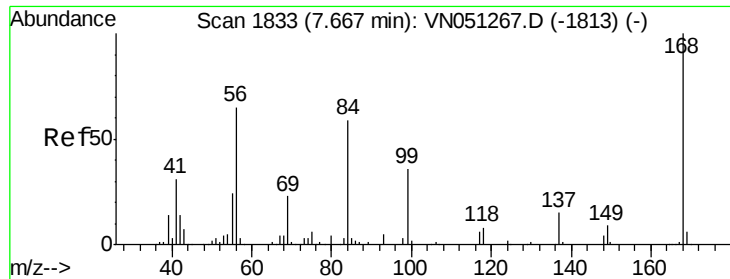
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	297627	45.25	ug/l	98
94) Hexachlorobutadiene	15.01	225	235053	52.23	ug/l	99
95) Naphthalene	15.13	128	512747	42.53	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	287364	45.97	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion:168 Resp: 628118

Ion Ratio Lower Upper

168 100

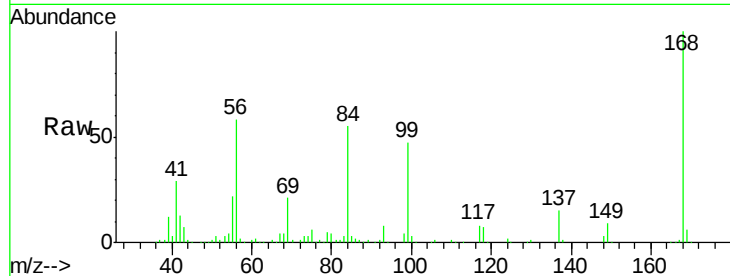
99 47.2 38.2 57.4

Manual Integrations

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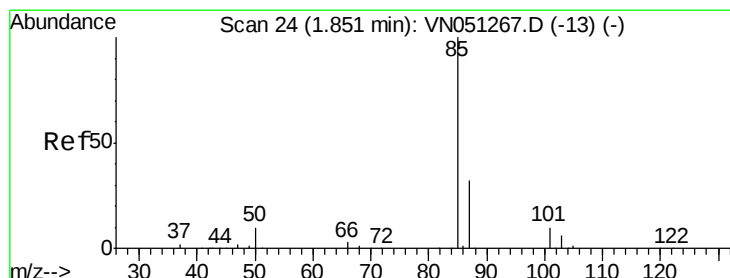
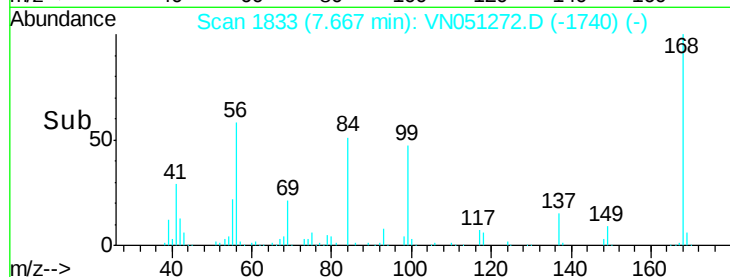
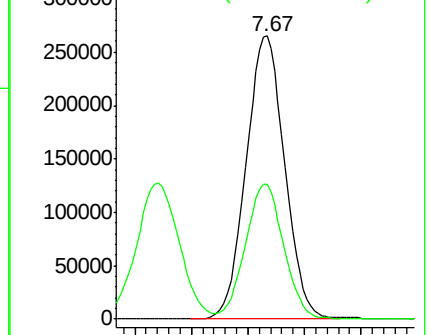
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.47 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051272.D

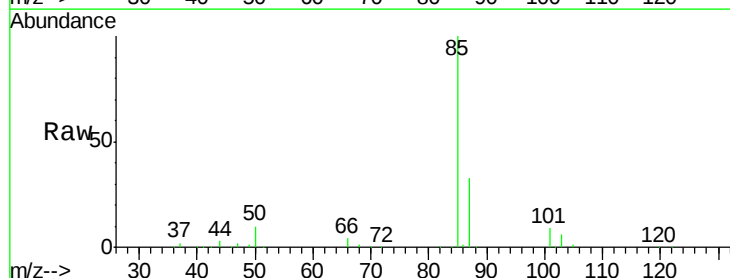
Acq: 17 Sep 2018 13:54

Tgt Ion: 85 Resp: 307431

Ion Ratio Lower Upper

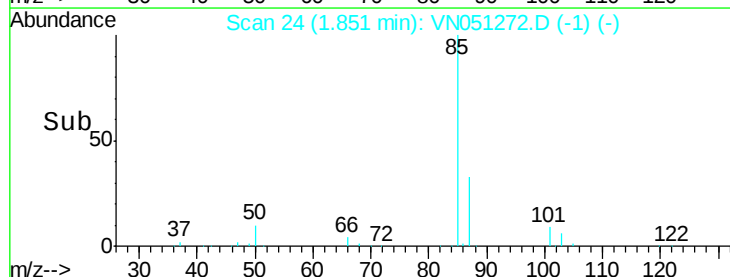
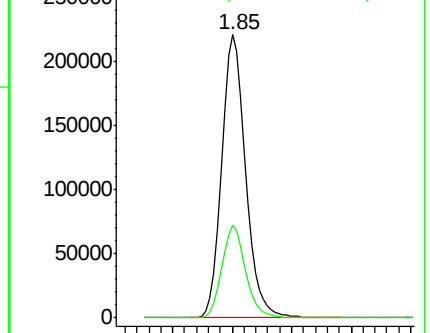
85 100

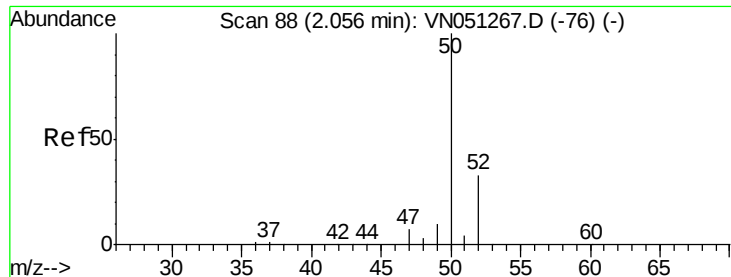
87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 50.37 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 50 Resp: 394988

Ion Ratio Lower Upper

50 100

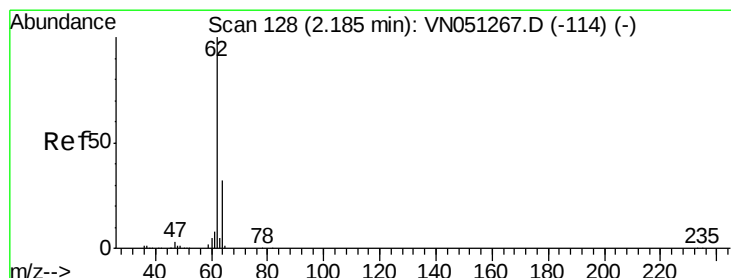
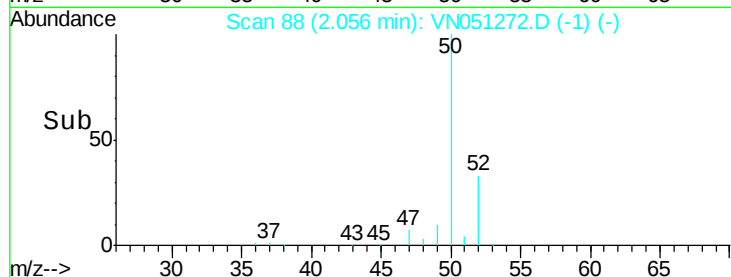
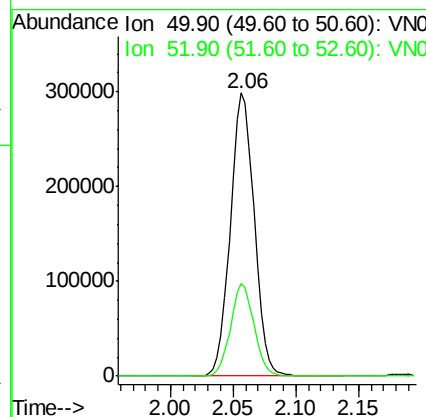
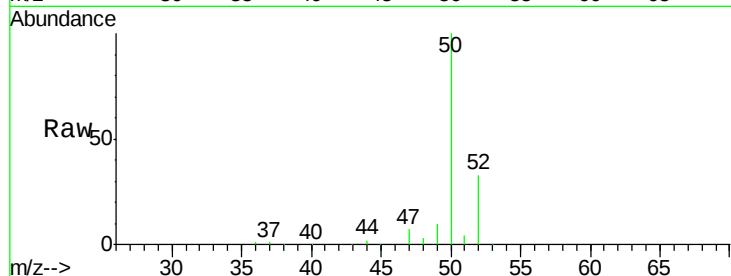
52 32.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.29 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051272.D

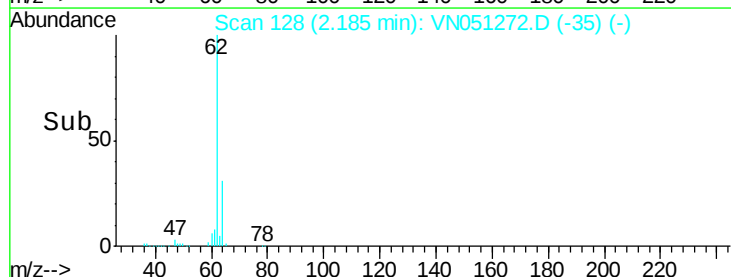
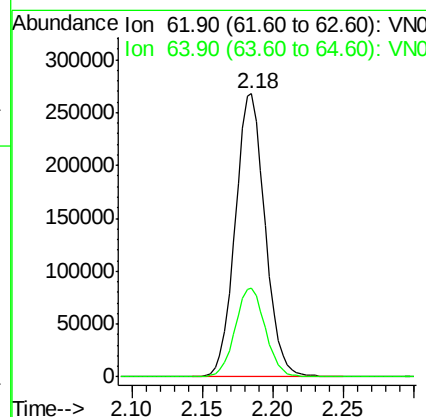
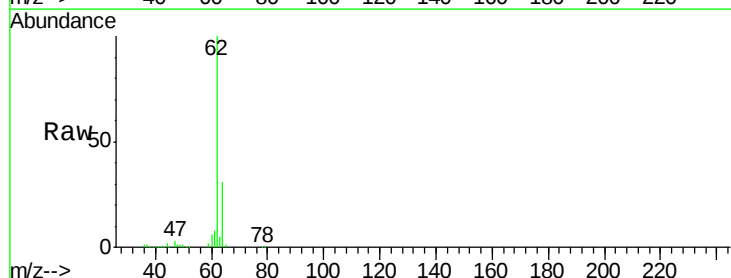
Acq: 17 Sep 2018 13:54

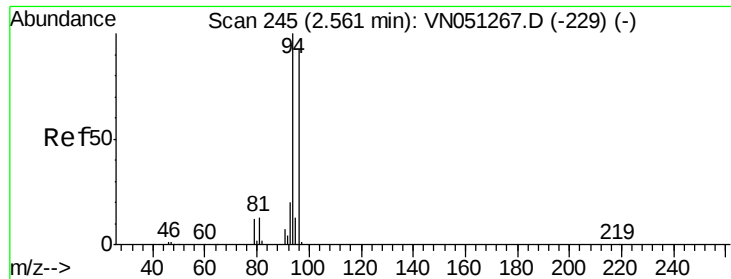
Tgt Ion: 62 Resp: 397079

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.6





#5

Bromomethane

Concen: 47.05 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 94 Resp: 228452

Ion Ratio Lower Upper

94 100

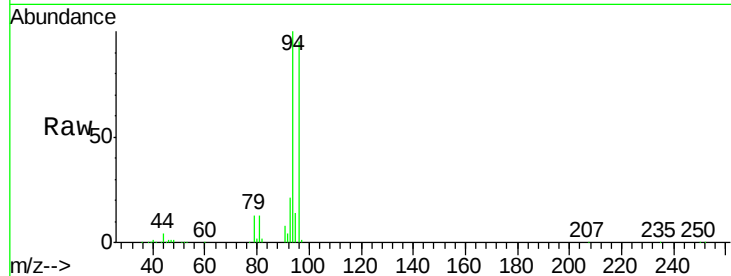
96 94.4 73.8 110.8

Manual Integrations

APPROVED

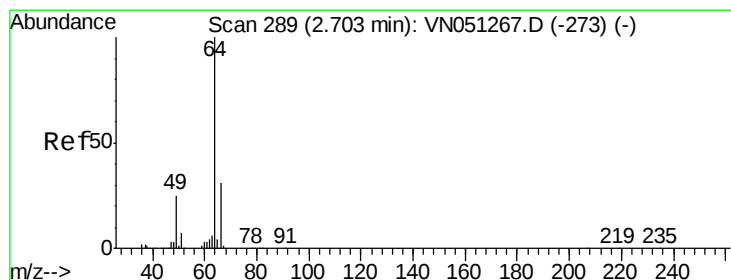
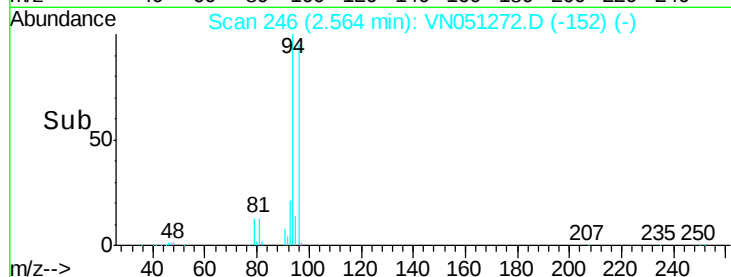
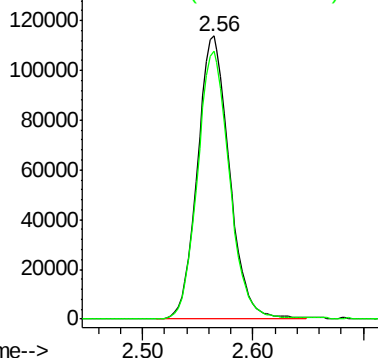
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.58 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051272.D

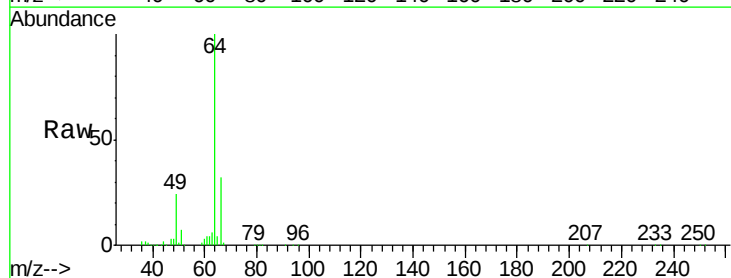
Acq: 17 Sep 2018 13:54

Tgt Ion: 64 Resp: 233429

Ion Ratio Lower Upper

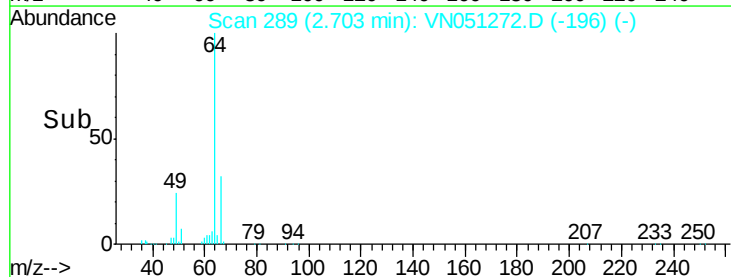
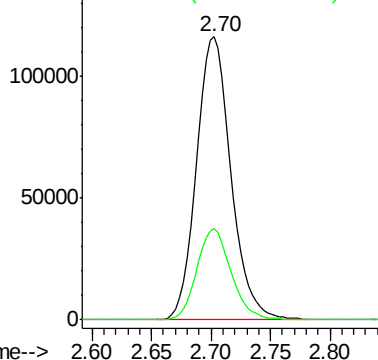
64 100

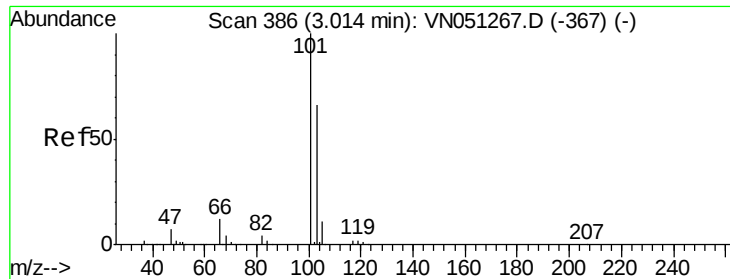
66 32.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

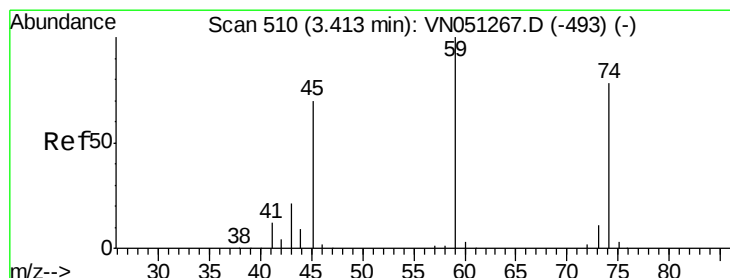
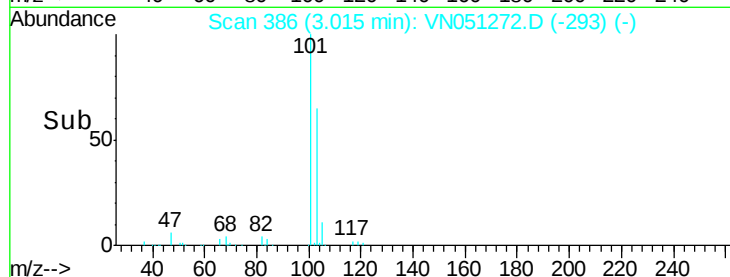
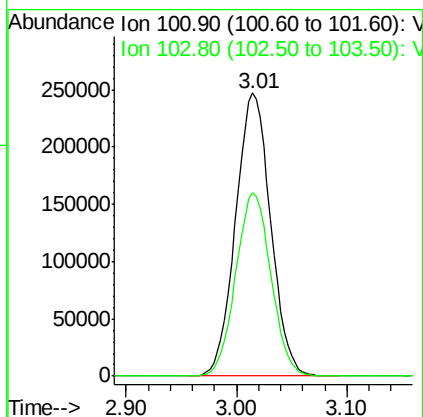
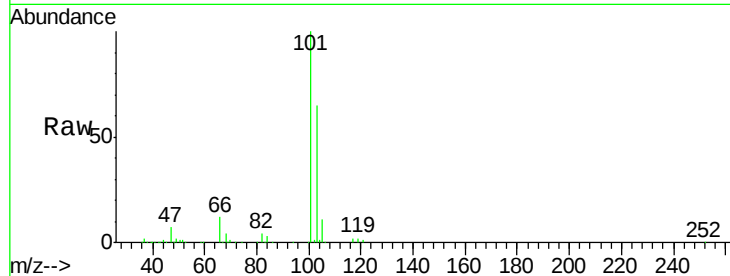
Trichlorofluoromethane
 Concen: 48.25 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
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 ClientSampleId :
 ICVVN091718

Tot Ion:101 Resp: 543804
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.7 79.1

Manual Integrations
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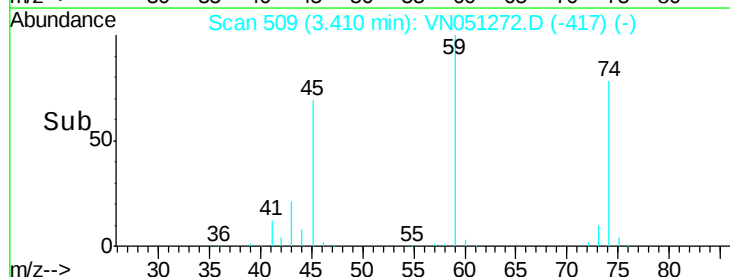
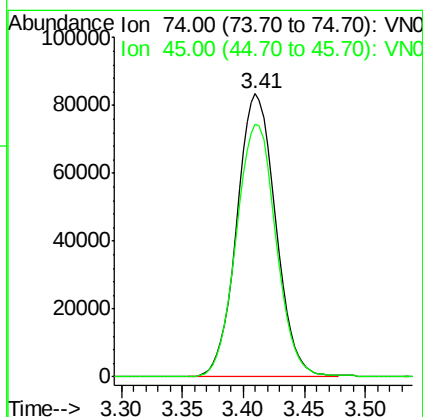
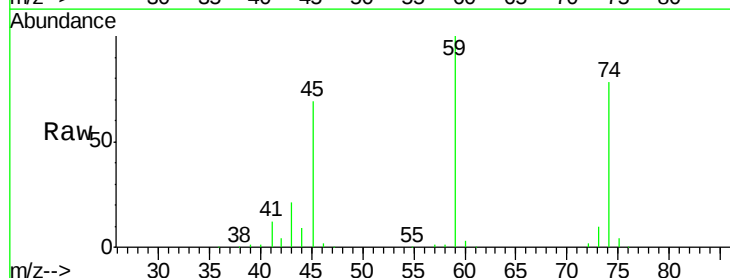
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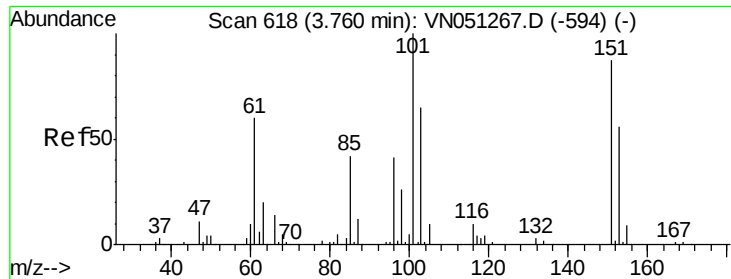


#8

Diethyl Ether
 Concen: 49.87 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion: 74 Resp: 183910
 Ion Ratio Lower Upper
 74 100
 45 91.8 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.53 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

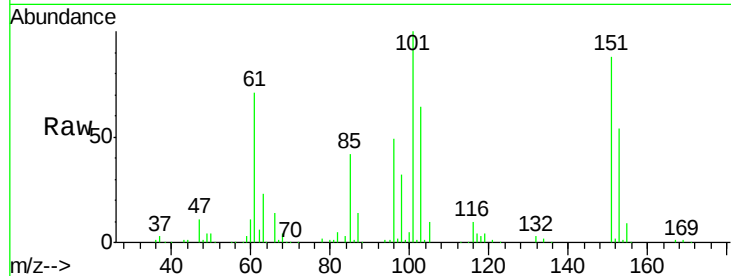
ClientSampleId :

ICVVN091718

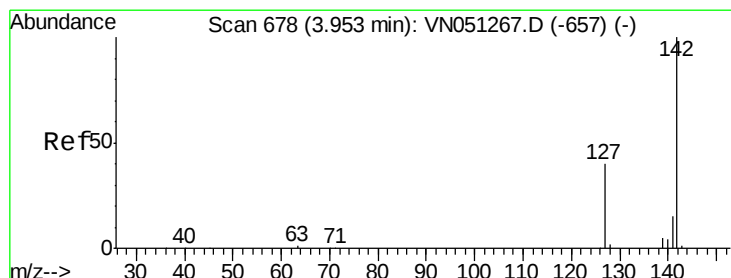
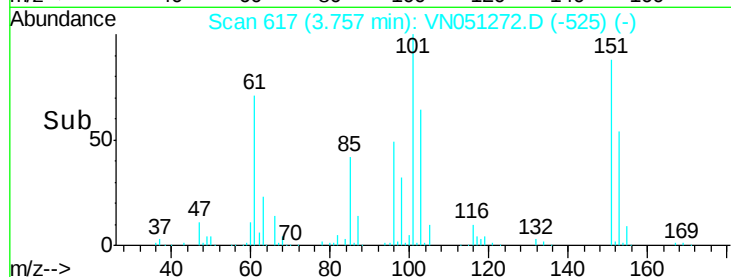
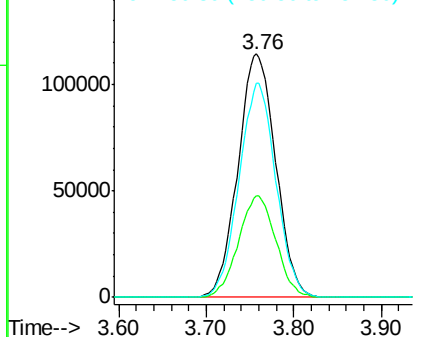
Tot Ion:	101	Resp:	341782
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.0	49.6
151	86.1	69.8	104.8

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



#10

Methyl Iodide

Concen: 47.79 ug/l

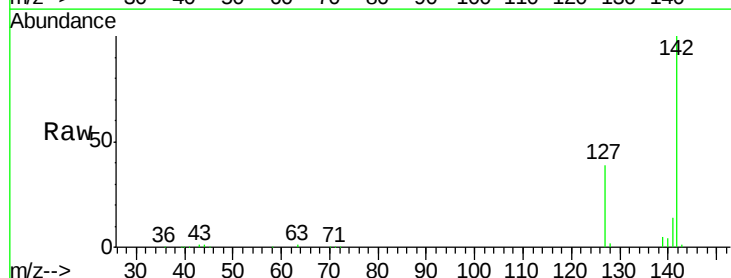
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

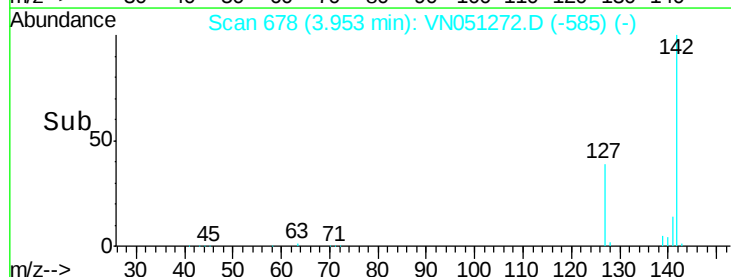
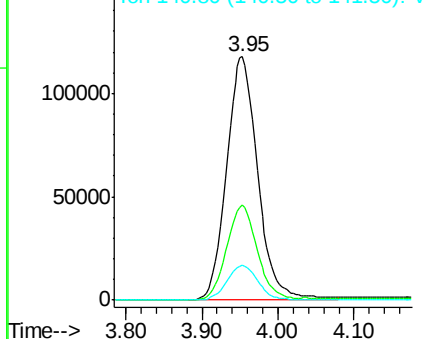
Lab File: VN051272.D

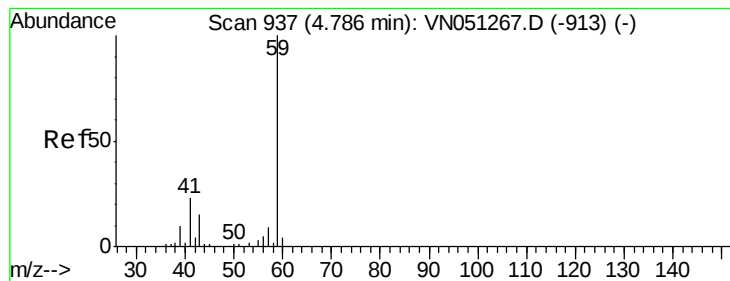
Acq: 17 Sep 2018 13:54

Tgt Ion:	142	Resp:	336724
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.7	47.5
141	14.3	11.6	17.4



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





#11

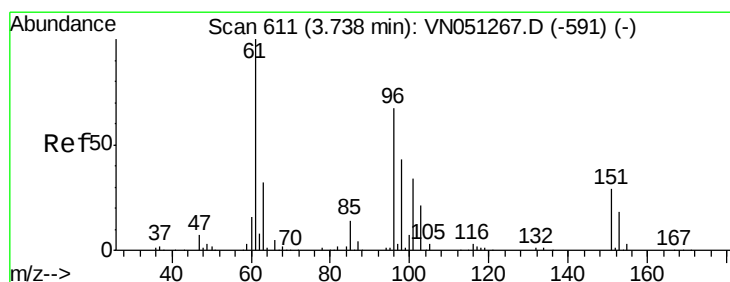
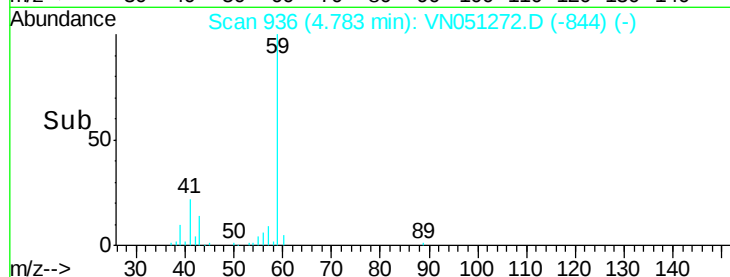
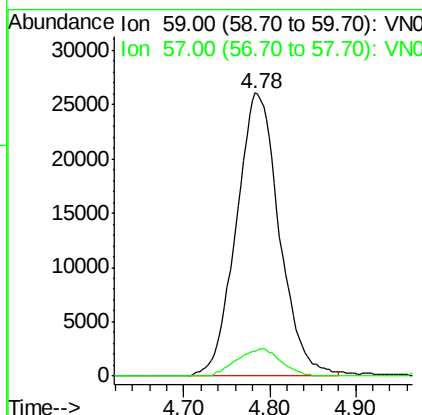
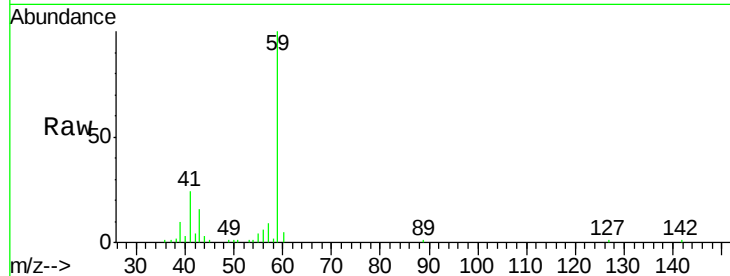
Tert butyl alcohol
Concen: 241.49 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	59	Resp	90780
Ion Ratio	100	Lower	Upper
57	9.9	7.9	11.9

Manual Integrations
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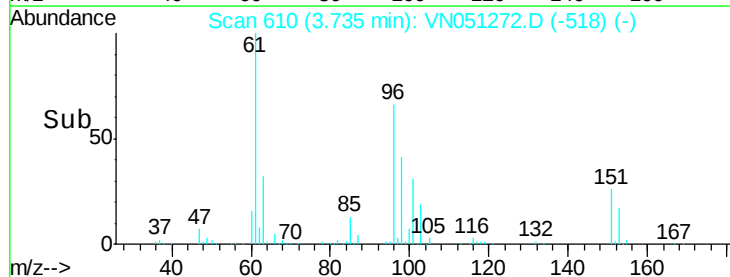
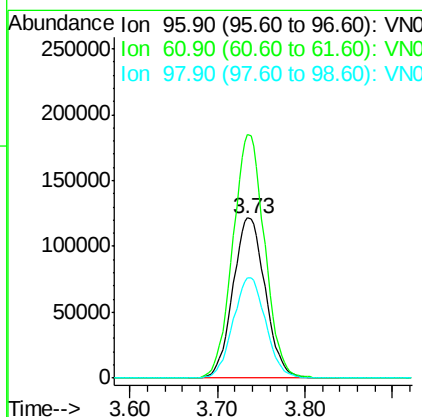
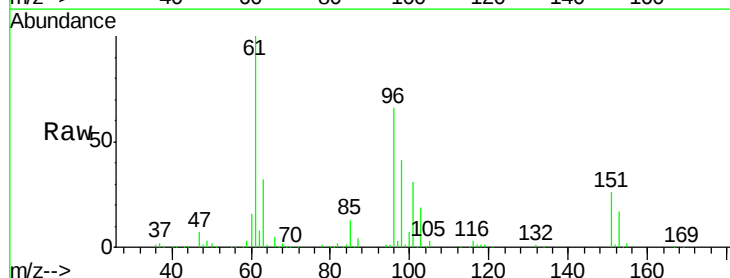
MMDadoda
9/19/2018 4:57:53 PM

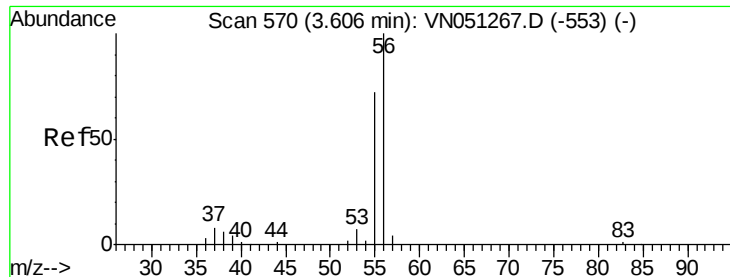


#12

1,1-Dichloroethene
Concen: 49.16 ug/l
RT: 3.73 min Scan# 610
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	96	Resp	312670
Ion Ratio	100	Lower	Upper
61	151.9	119.3	178.9
98	62.2	51.8	77.6





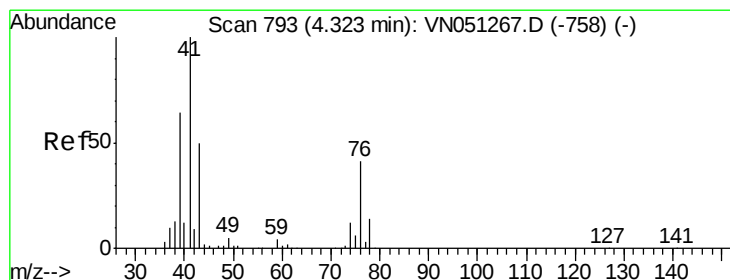
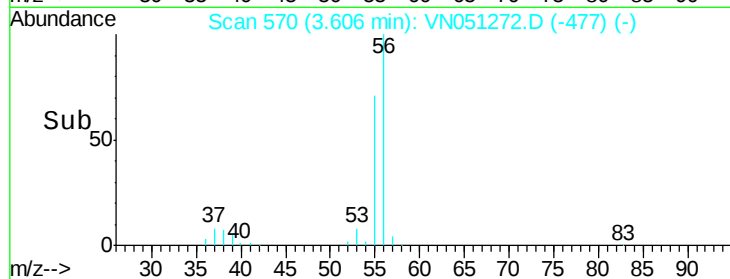
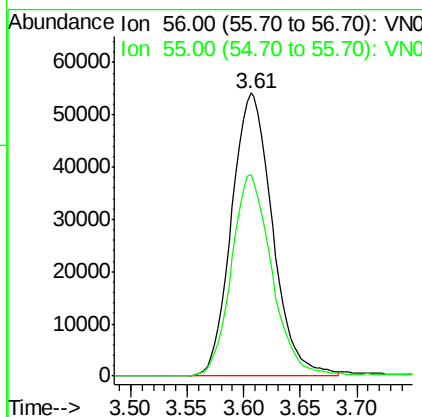
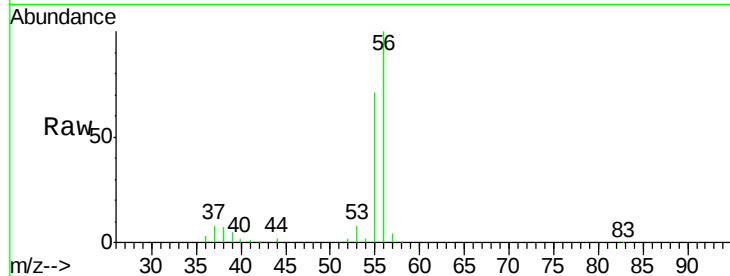
#13
 Acrolein
 Concen: 238.82 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.4	56.4	84.6	

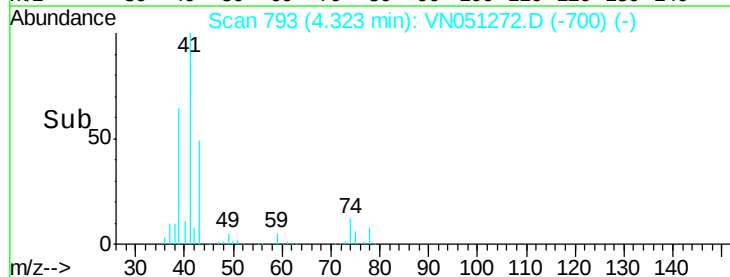
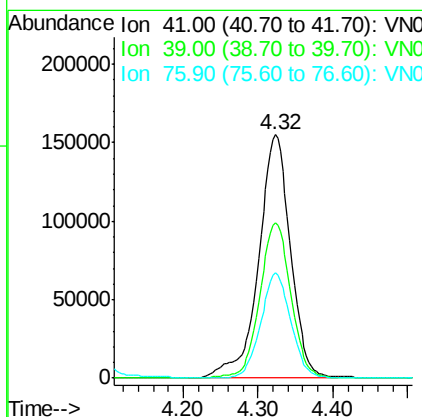
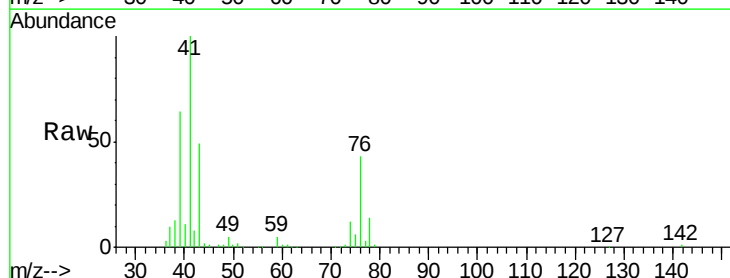
Manual Integrations
 APPROVED

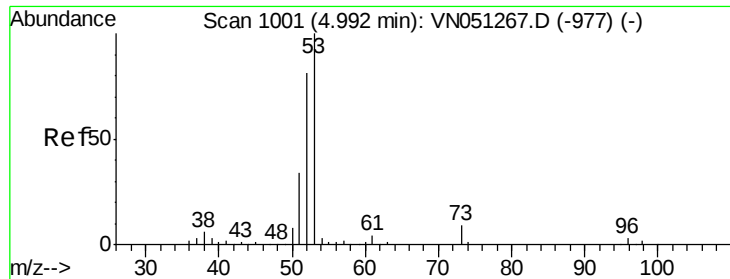
MMDadoda
 9/19/2018 4:57:53 PM



#14
 Allyl chloride
 Concen: 48.97 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.4	49.0	73.4	
76	40.1	31.4	47.0	





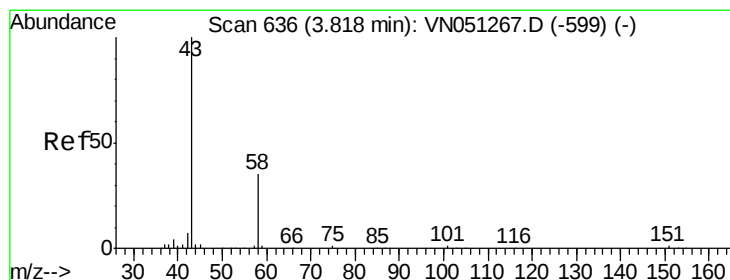
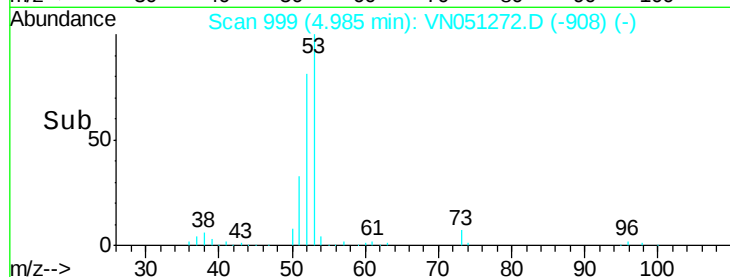
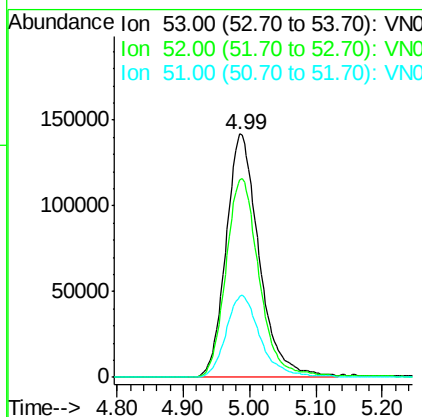
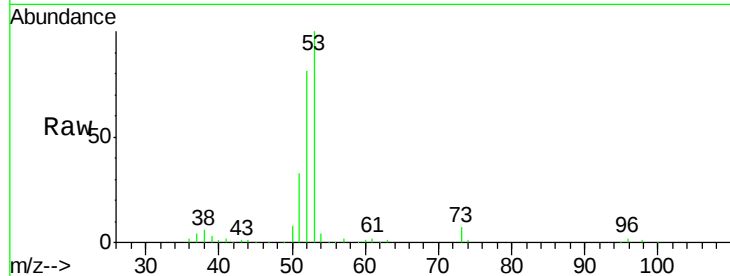
#15
 Acrylonitrile
 Concen: 250.41 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion:	53	Resp:	492468
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	35.1	28.0	42.0

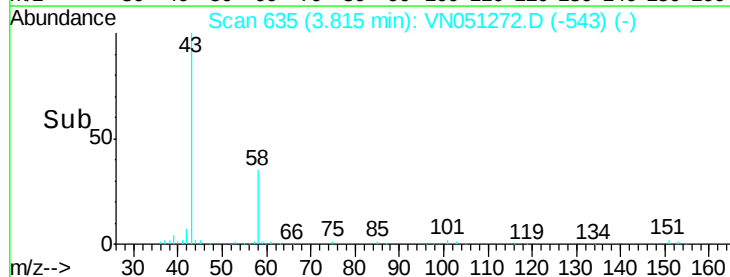
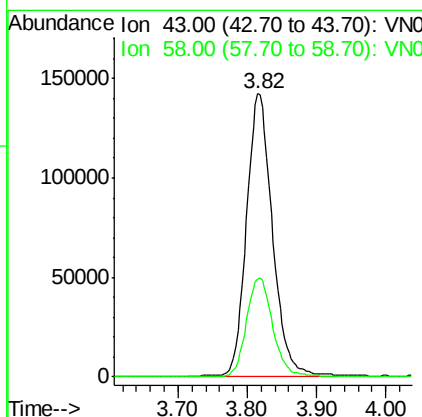
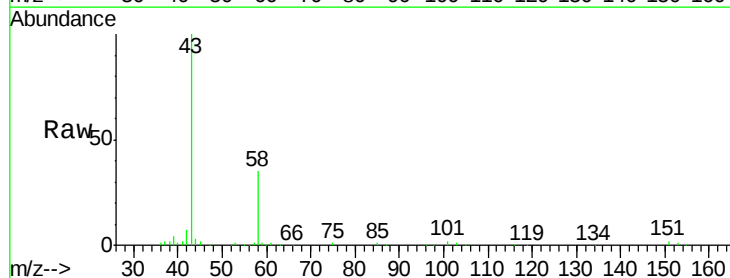
Manual Integrations
 APPROVED

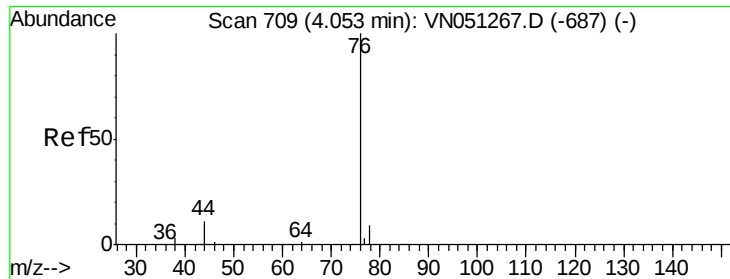
MMDadoda
 9/19/2018 4:57:53 PM



#16
 Acetone
 Concen: 249.97 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion:	43	Resp:	372349
Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.2	42.2





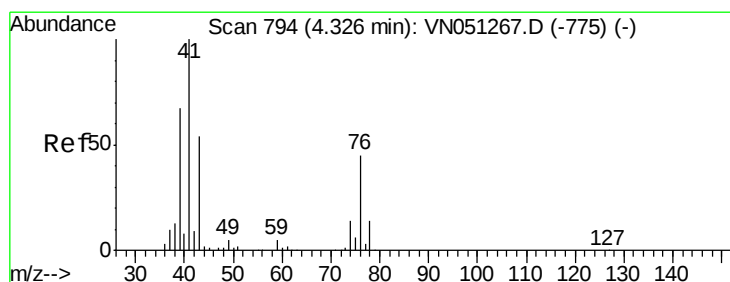
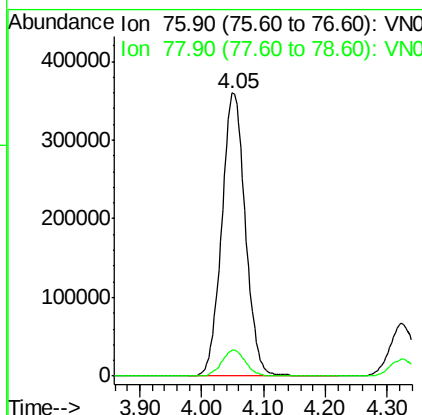
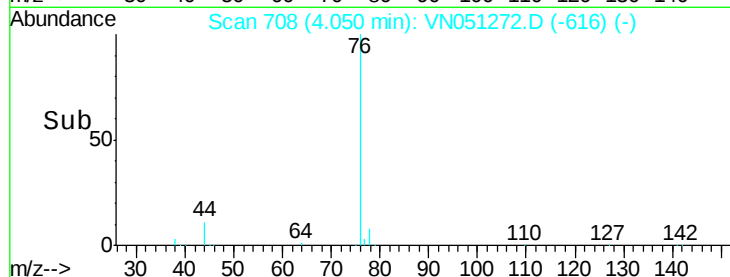
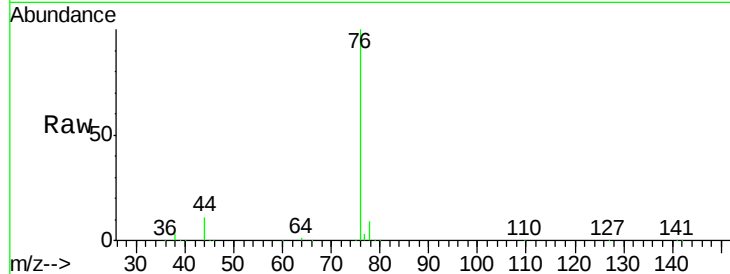
#17
Carbon Disulfide
Concen: 48.84 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

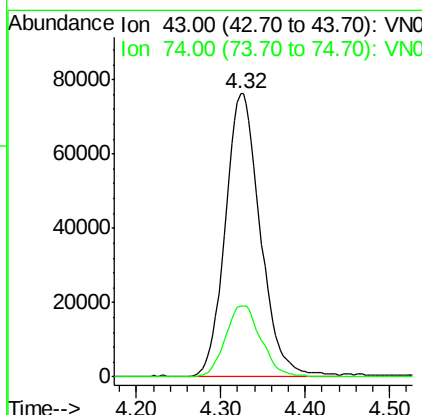
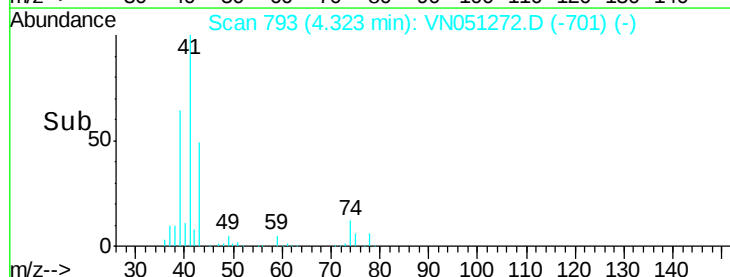
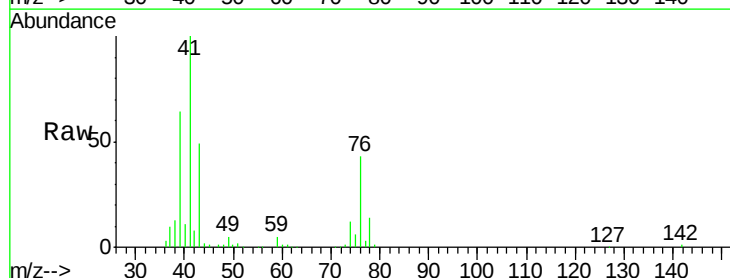
Manual Integrations
APPROVED

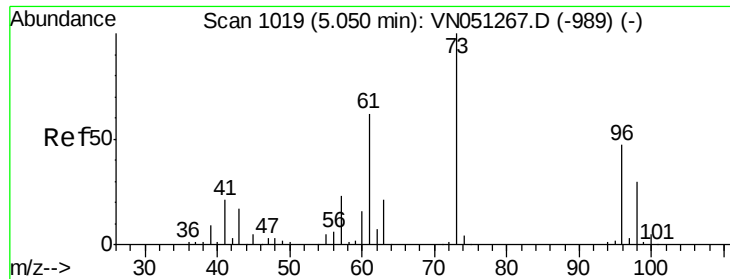
MMDadoda
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#18
Methyl Acetate
Concen: 47.09 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.8	31.2





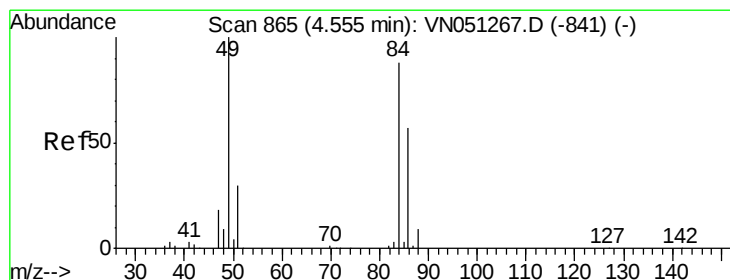
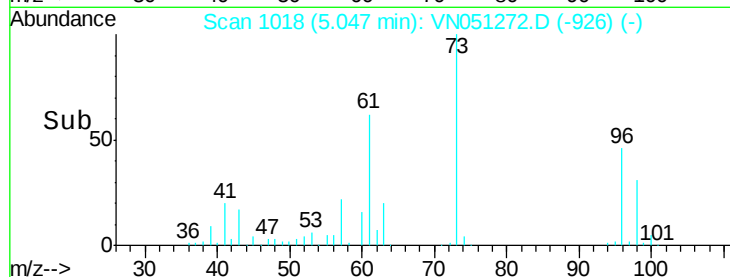
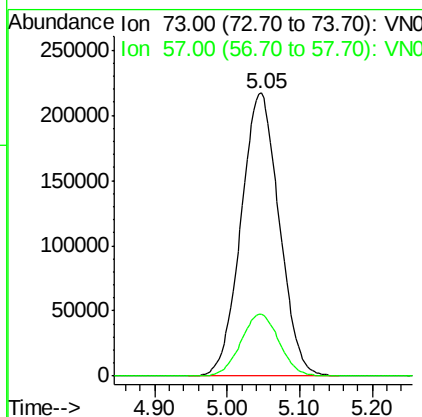
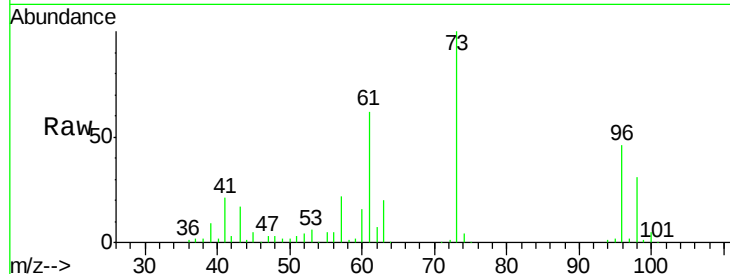
#19
Methvl tert-butvl Ether
Concen: 52.18 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.1	27.1

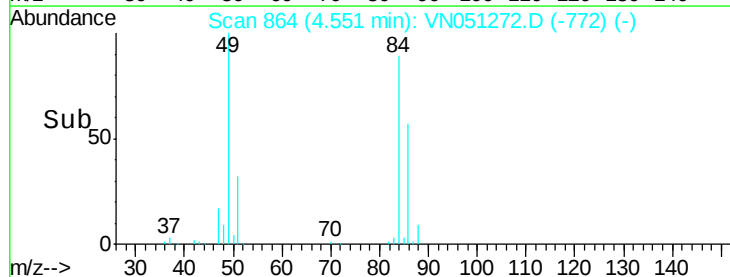
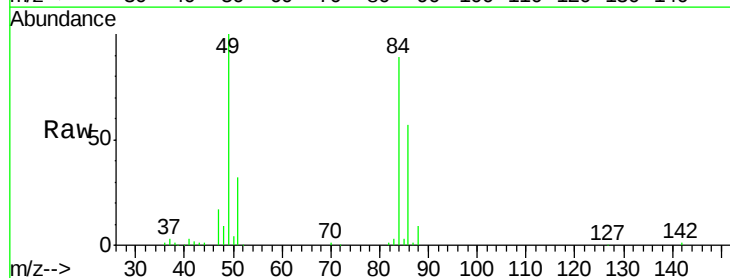
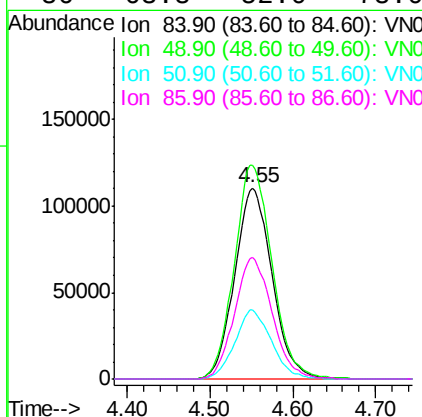
Manual Integrations
APPROVED

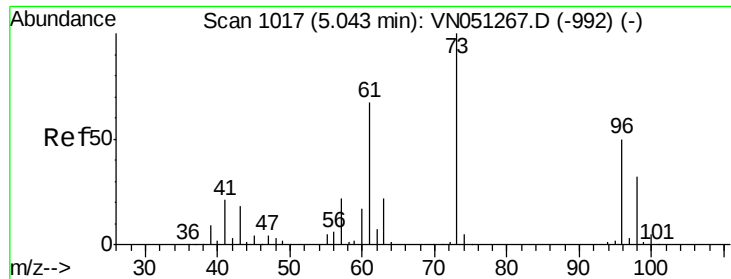
MMDadoda
9/19/2018 4:57:53 PM



#20
Methylene Chloride
Concen: 46.51 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.8	91.2	136.8
51	36.1	27.7	41.5
86	63.8	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 48.09 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

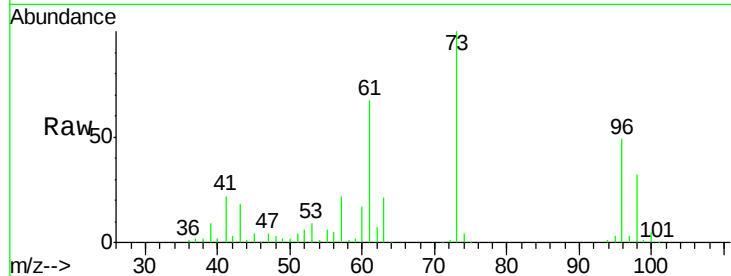
ClientSampleId :

ICVVN091718

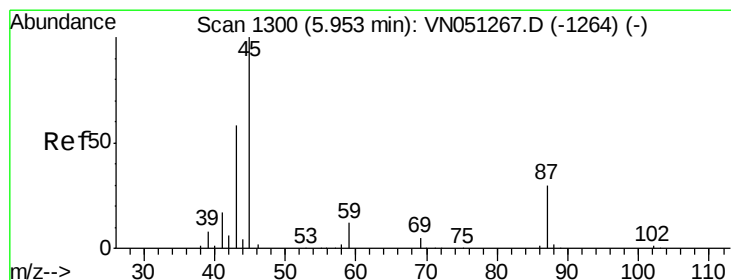
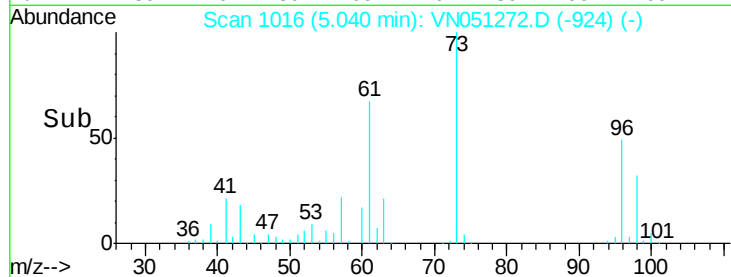
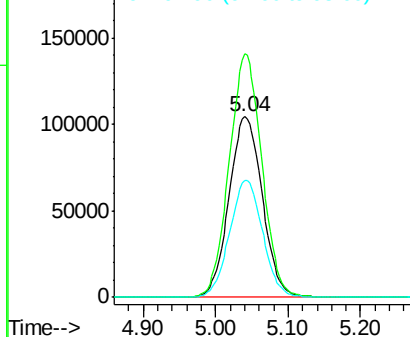
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	106.7	160.1
98	65.1	51.4	77.0

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 52.99 ug/l

RT: 5.95 min Scan# 1300

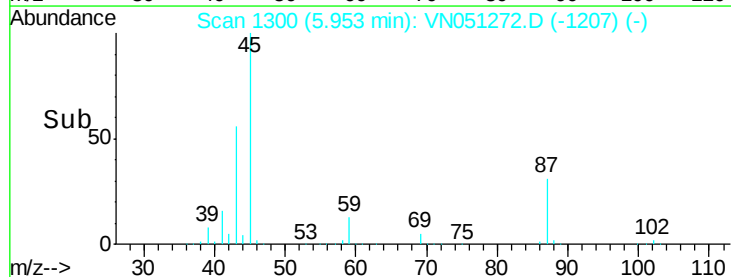
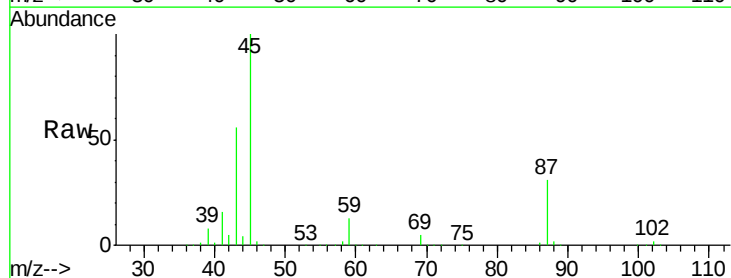
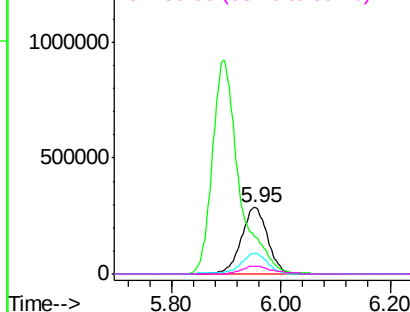
Delta R.T. 0.00 min

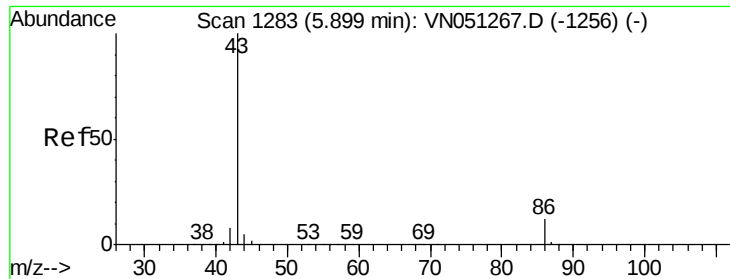
Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.7	70.1
87	31.0	24.6	36.8
59	12.5	9.6	14.4

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





#23

Vinyl Acetate

Concen: 265.33 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 43 Resp: 3126500

Ion Ratio Lower Upper

43 100

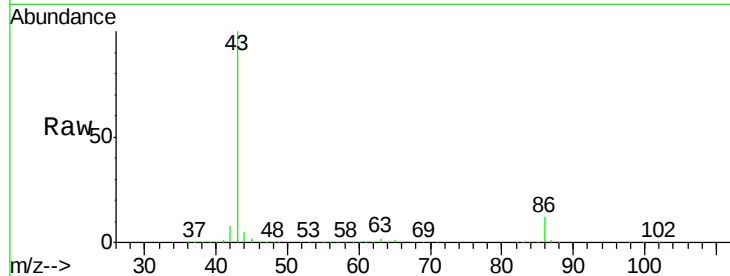
86 11.7 9.3 13.9

Manual Integrations

APPROVED

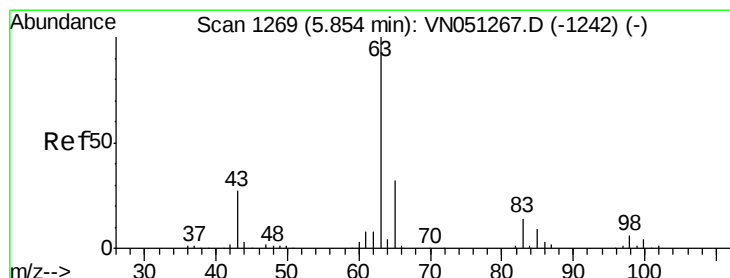
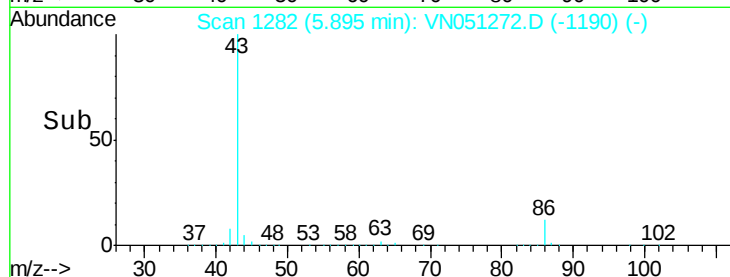
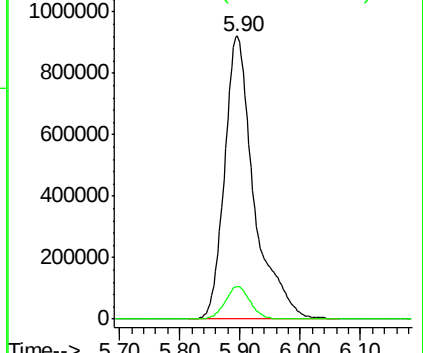
MMDadoda

9/19/2018 4:57:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.27 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

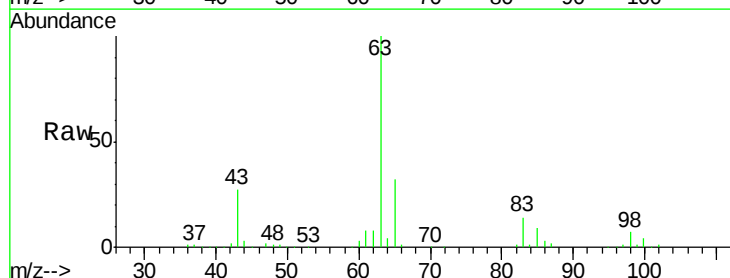
Tgt Ion: 63 Resp: 599000

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

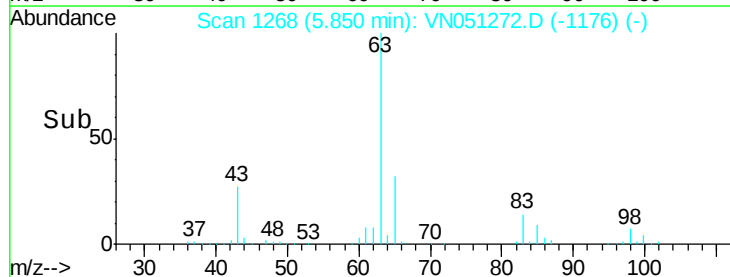
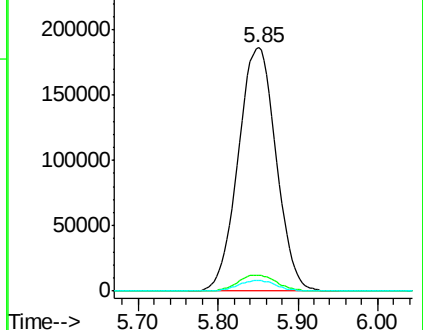
100 4.4 2.3 6.8

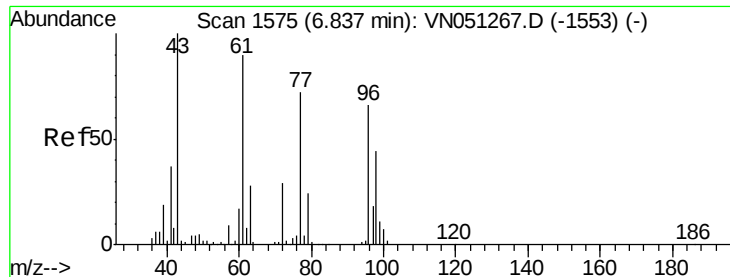


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 243.43 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 43 Resp: 532324

Ion Ratio Lower Upper

43 100

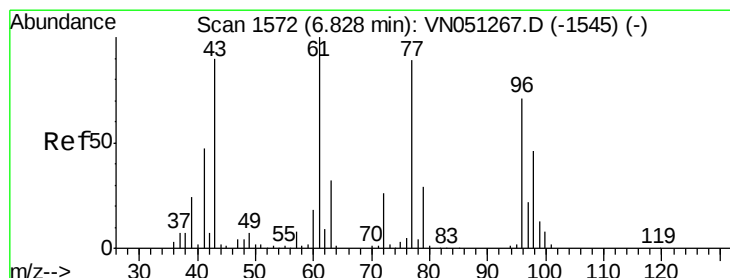
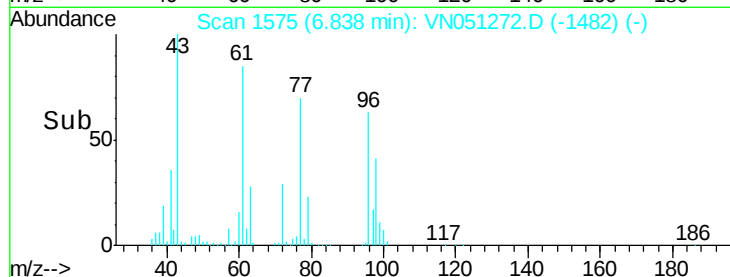
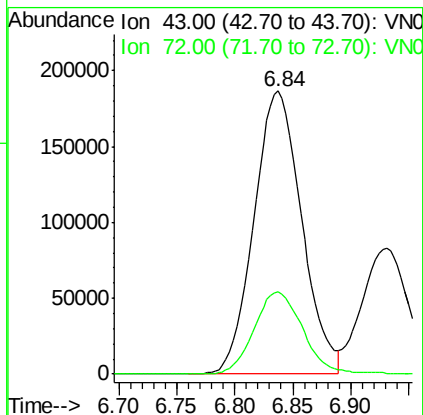
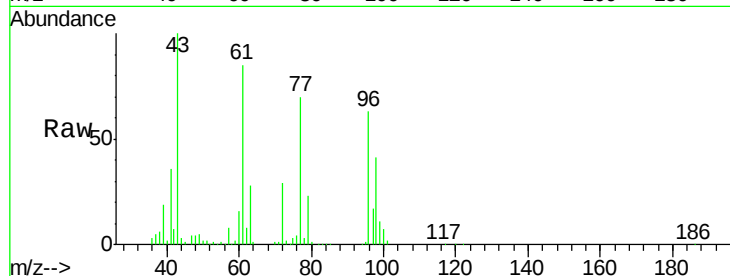
72 29.1 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.10 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051272.D

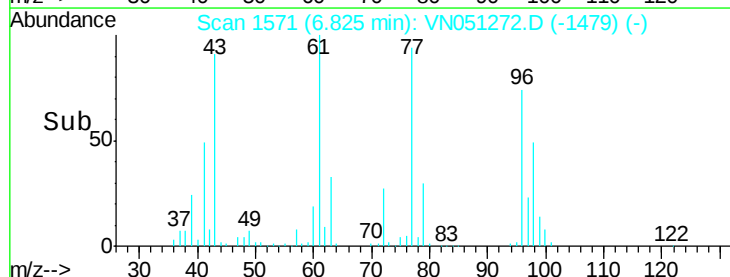
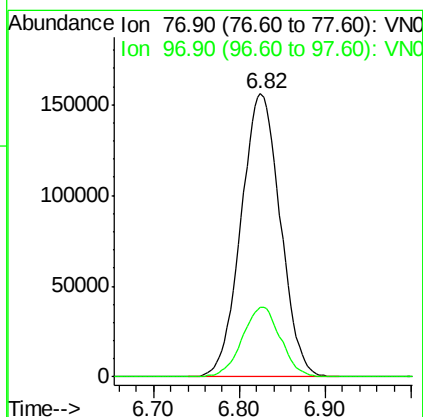
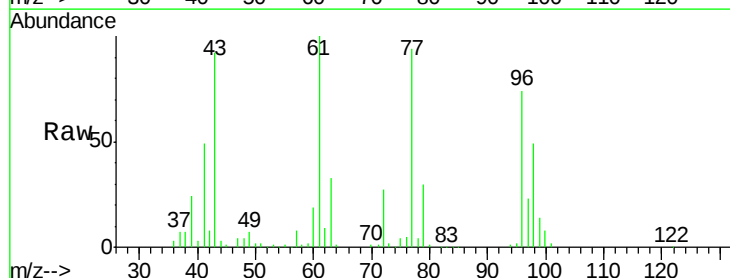
Acq: 17 Sep 2018 13:54

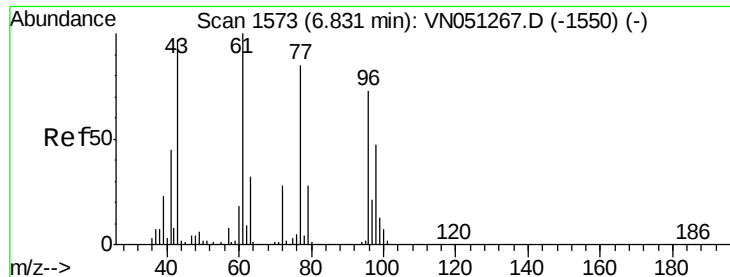
Tgt Ion: 77 Resp: 495399

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 49.77 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

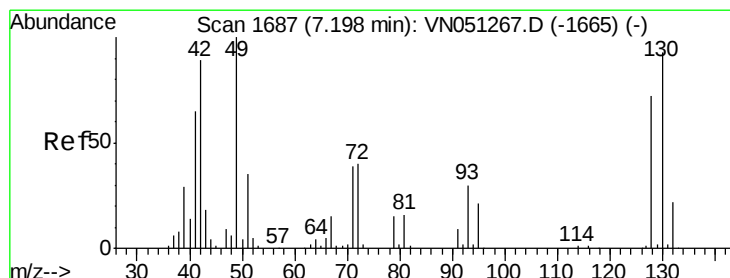
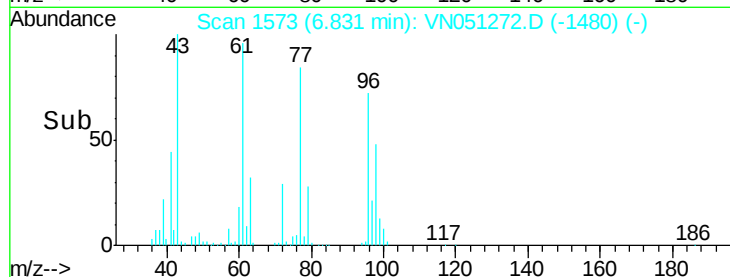
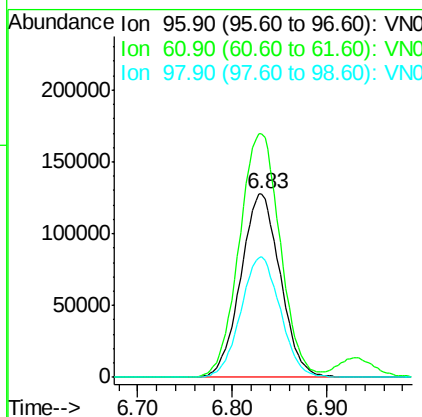
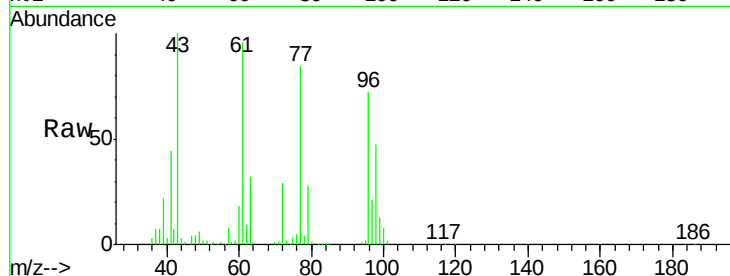
ClientSampleId :

ICVVN091718

Tot Ion:	96	Resp:	370701
Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	276.2
98	65.8	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 48.10 ug/l

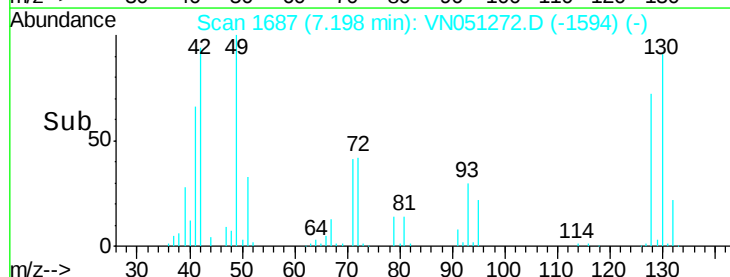
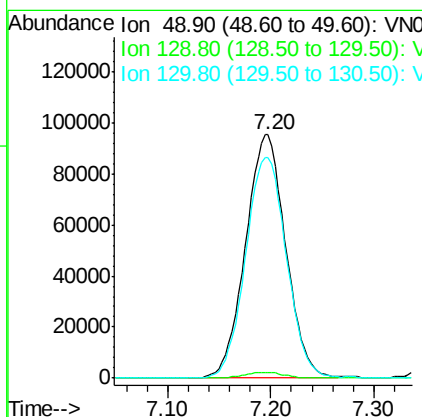
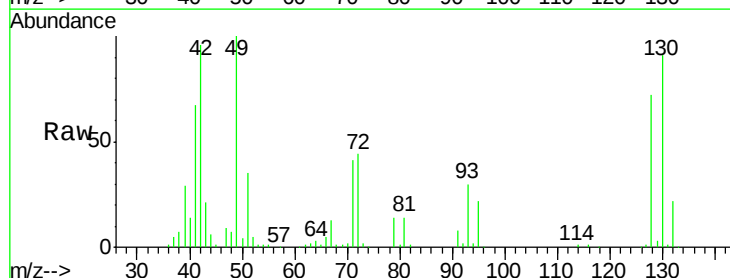
RT: 7.20 min Scan# 1687

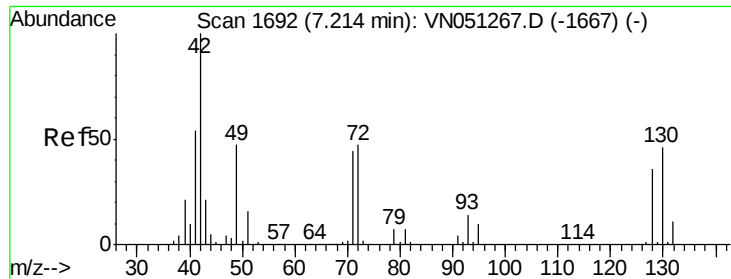
Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion:	49	Resp:	257529
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	92.4	73.7	110.5





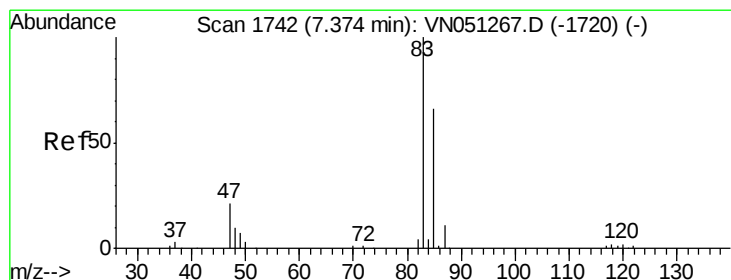
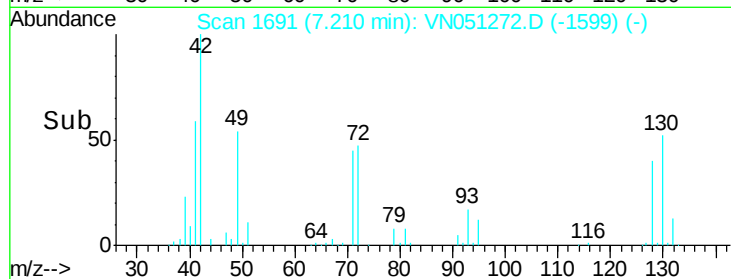
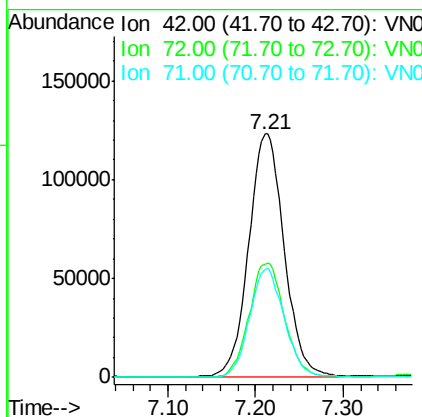
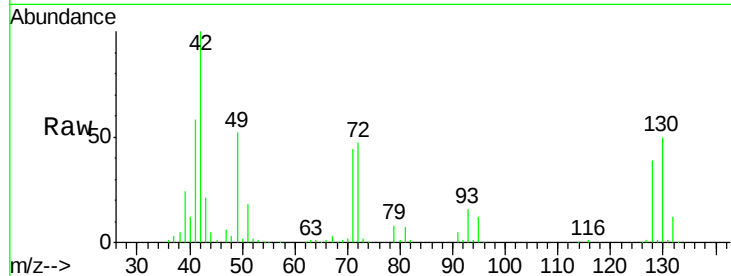
#29
Tetrahydrofuran
Concen: 256.01 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.1	37.6	56.4
71	43.8	35.4	53.2

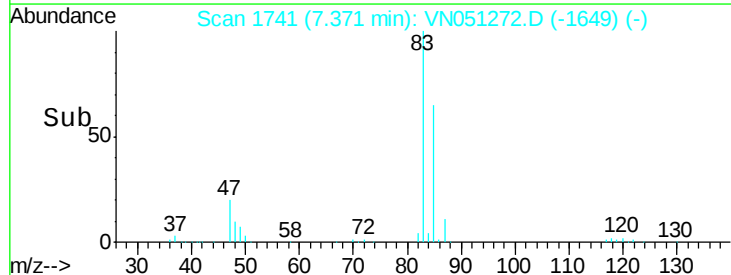
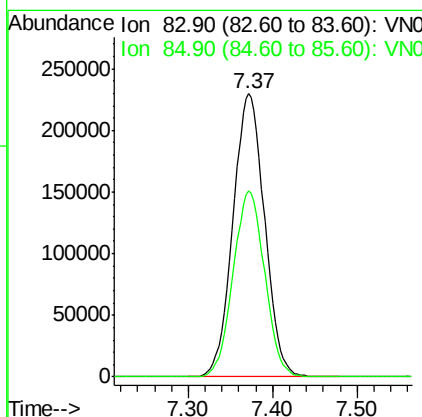
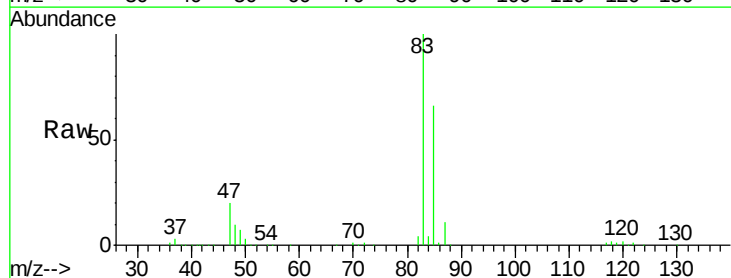
Manual Integrations
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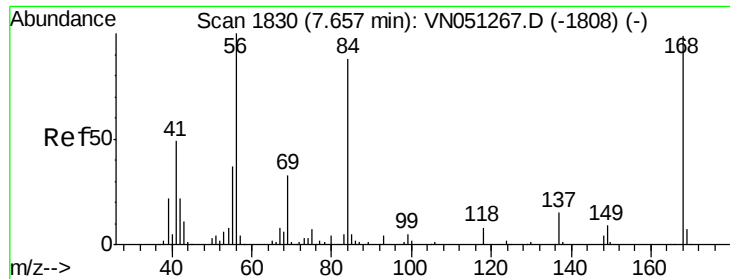
MMDadoda
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#30
Chloroform
Concen: 48.25 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





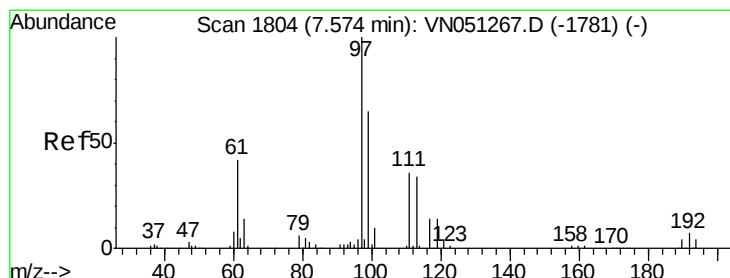
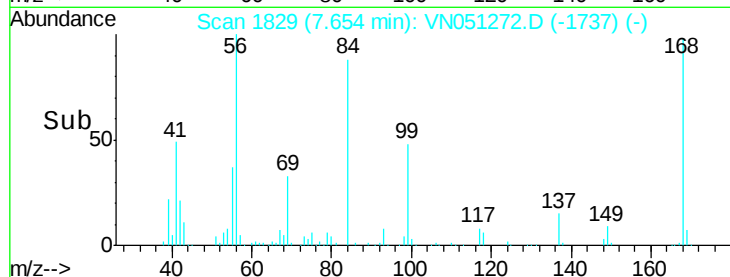
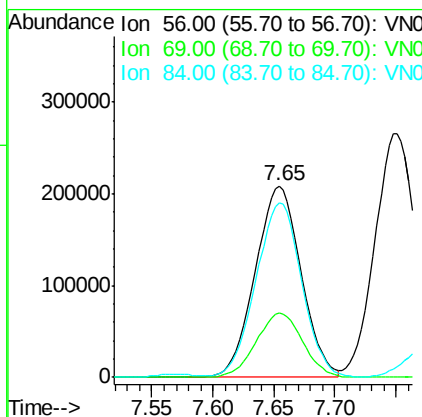
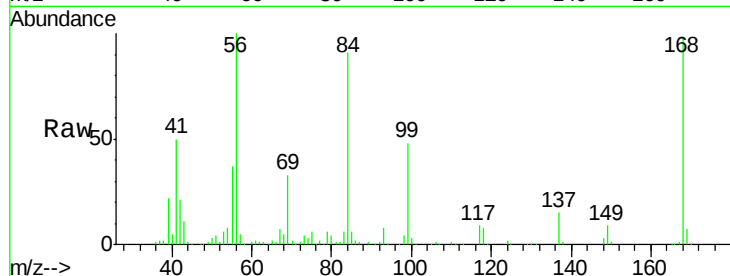
#31
Cyclohexane
Concen: 49.40 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	26.2	39.2
84	89.8	70.6	106.0

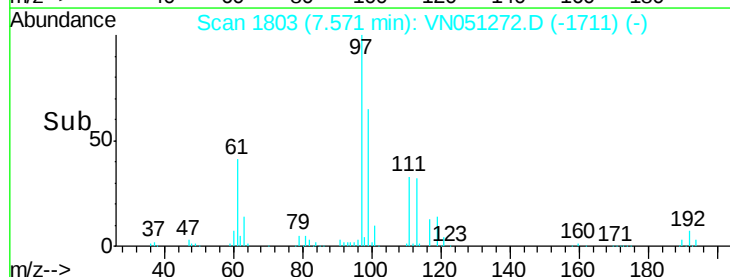
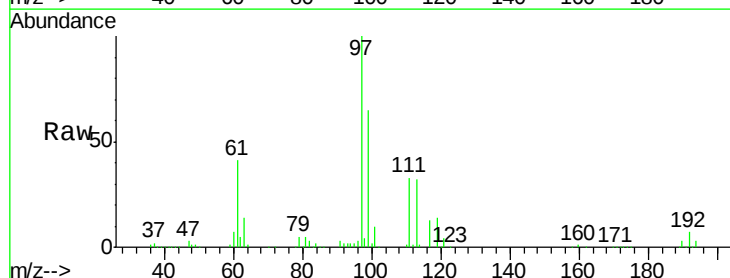
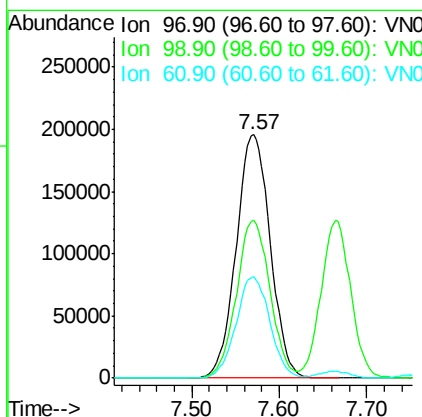
Manual Integrations
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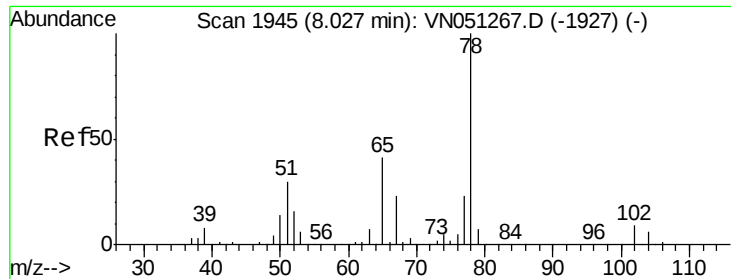
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#32
1,1,1-Trichloroethane
Concen: 49.48 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	41.5	33.4	50.2





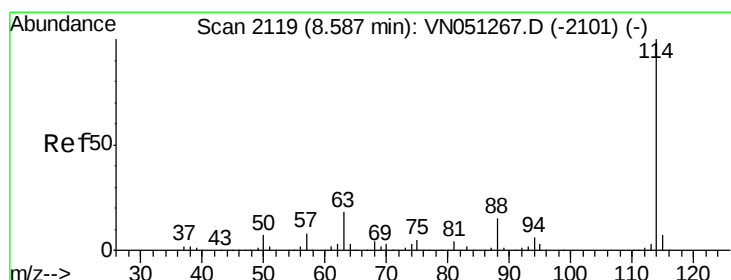
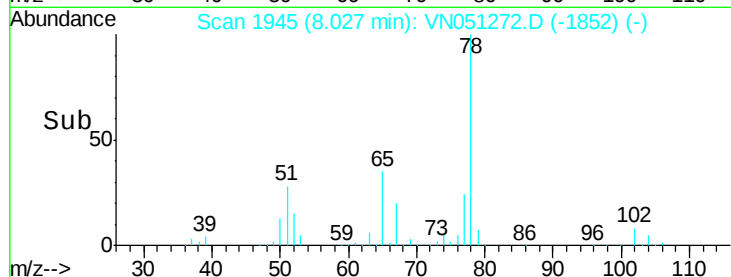
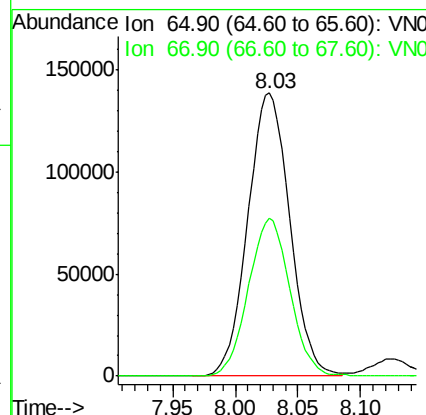
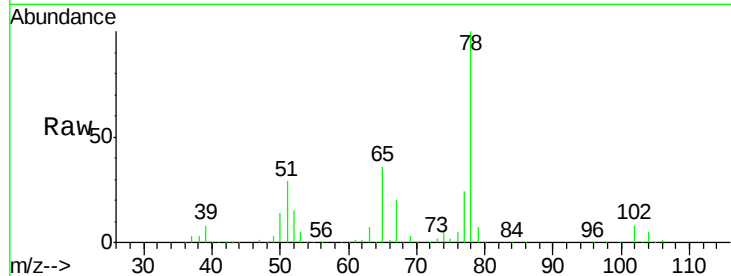
#33
 1,2-Dichloroethane-d4
 Concen: 47.28 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion	Ratio	Resp	Lower	Upper
65	100	322752		
67	55.3	0.0	111.0	

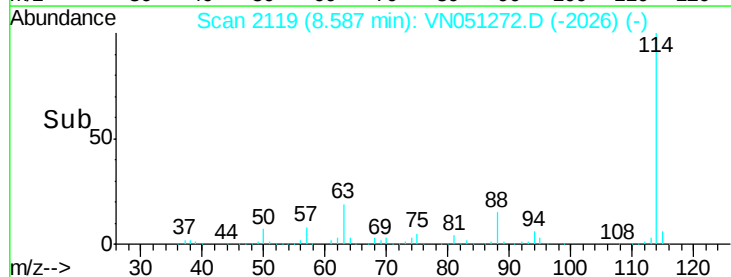
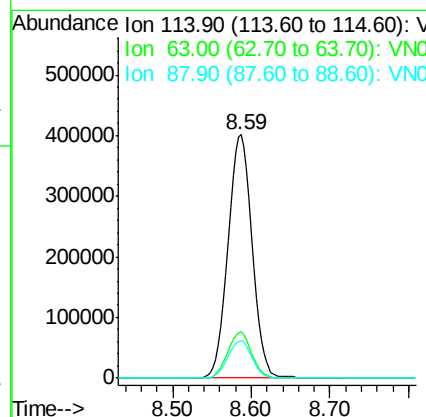
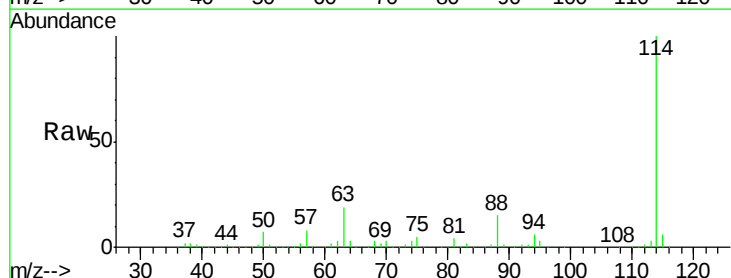
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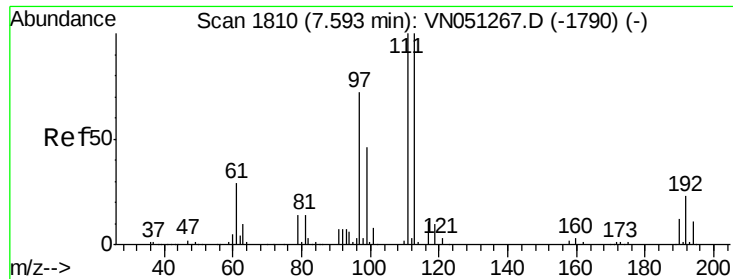
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 9/19/2018 4:57:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	847231		
63	18.9	0.0	36.8	
88	15.3	0.0	30.8	





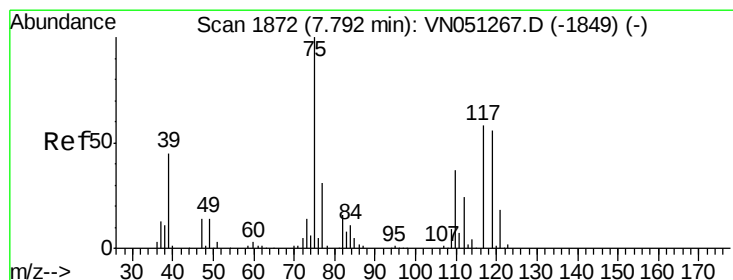
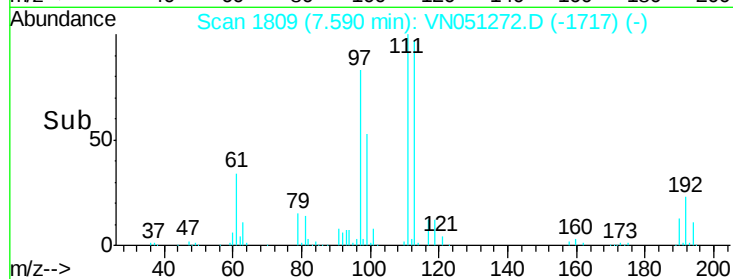
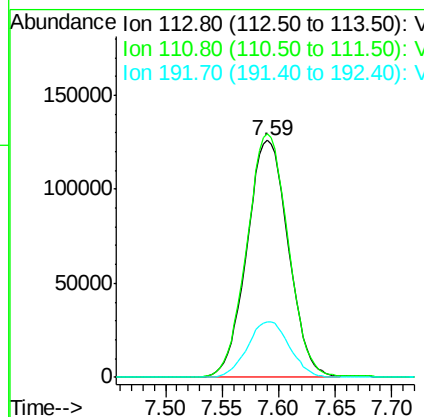
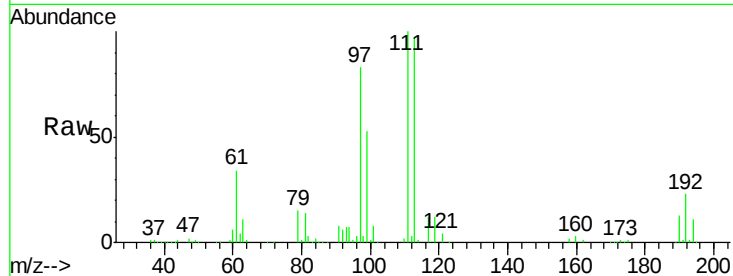
#35
Dibromofluoromethane
Concen: 48.92 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Resp	Lower	Upper
113	100	322105		
111	102.0	82.2	123.4	
192	23.8	19.0	28.6	

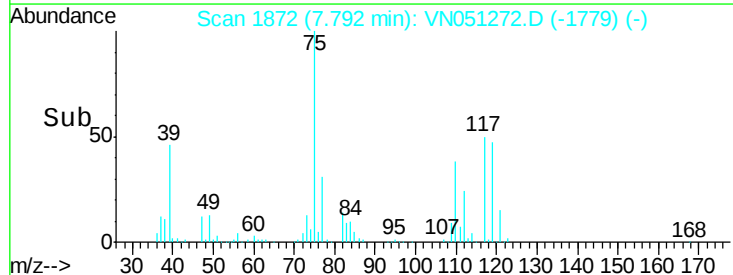
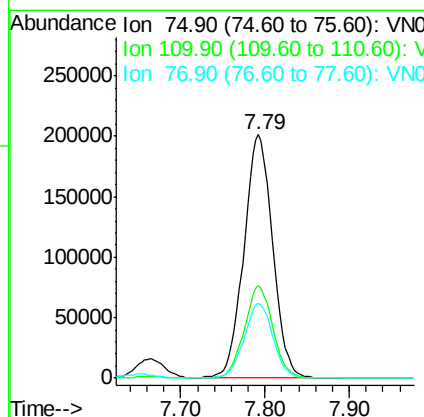
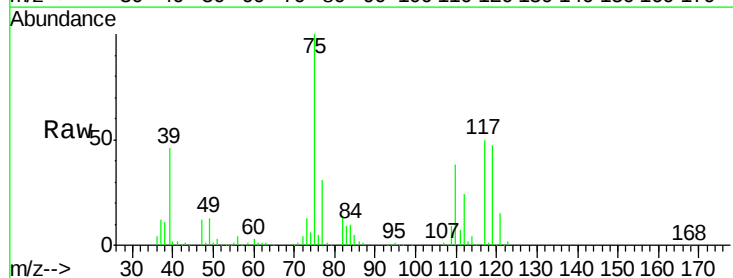
Manual Integrations
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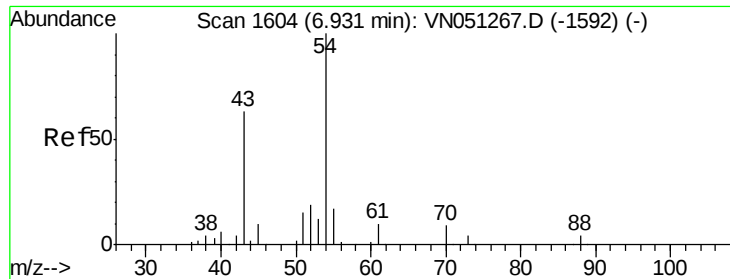
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#36
1,1-Dichloropropene
Concen: 51.90 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	475930		
110	37.6	18.6	56.0	
77	31.1	24.7	37.1	





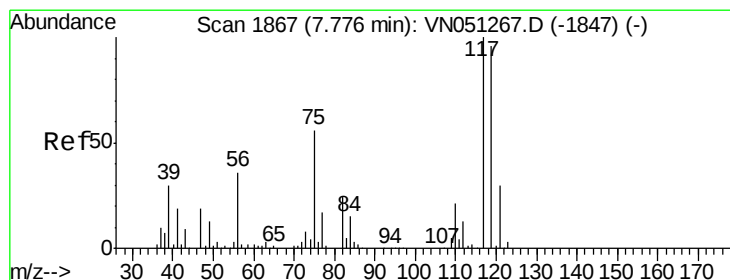
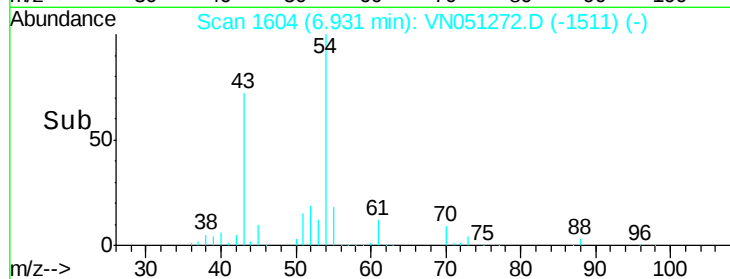
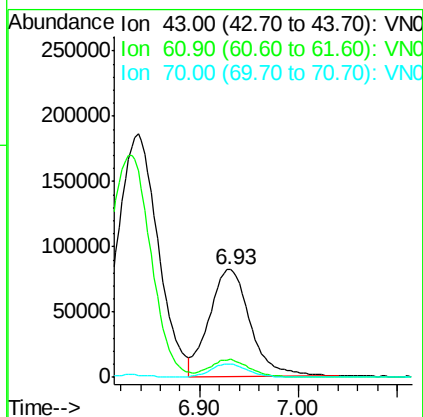
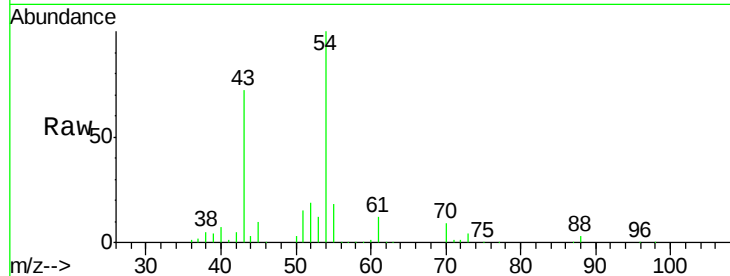
#37
Ethyl Acetate
Concen: 50.47 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.3	18.5
70	11.2	9.4	14.0

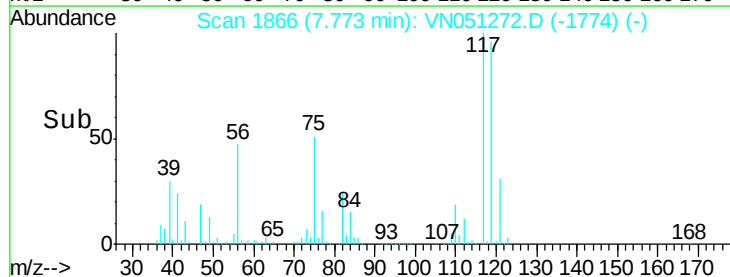
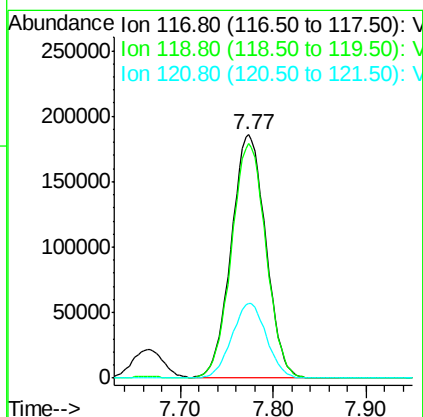
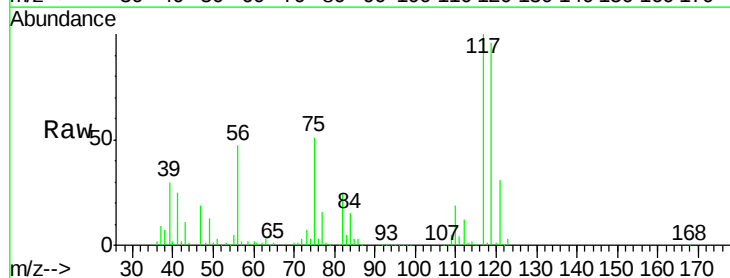
Manual Integrations
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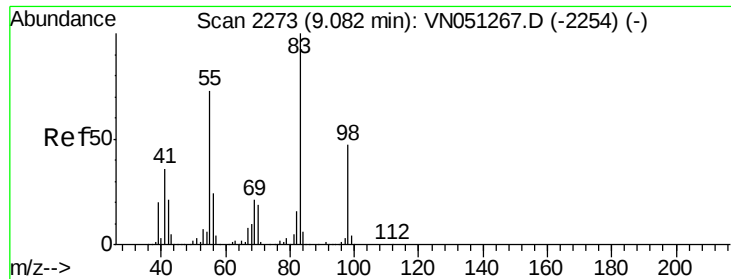
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#38
Carbon Tetrachloride
Concen: 50.22 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.8	115.2
121	30.9	24.2	36.2





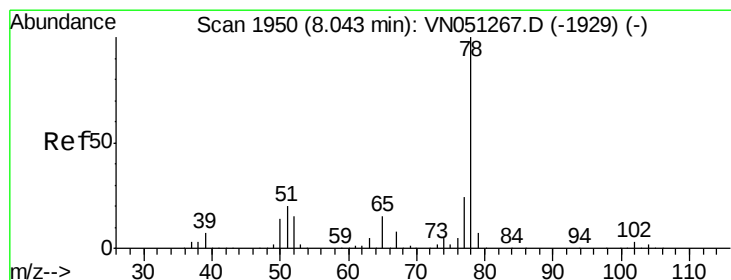
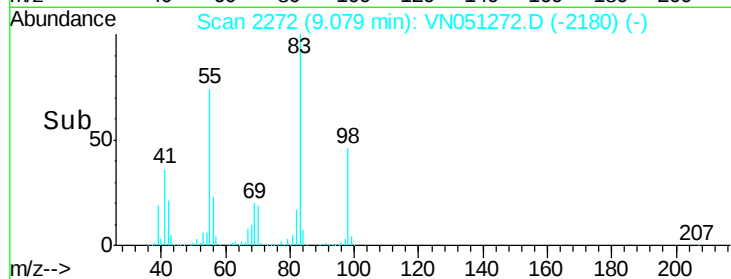
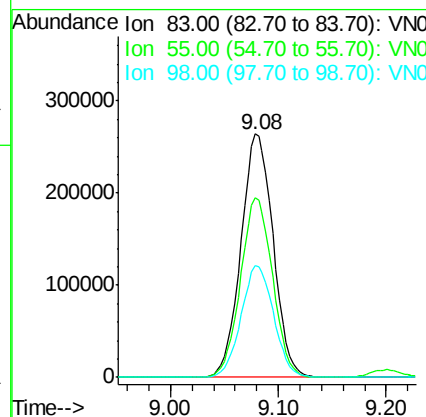
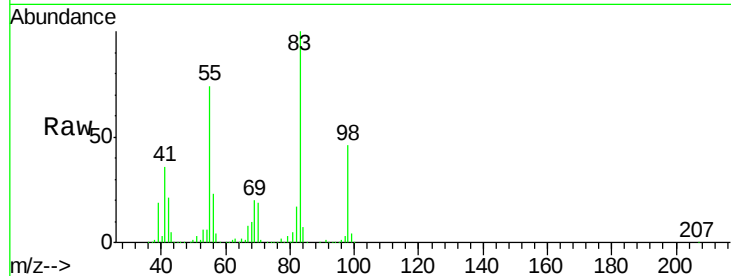
#39
Methvlcvclohexane
Concen: 55.10 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVFN091718

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	58.7	88.1
98	45.9	37.3	55.9

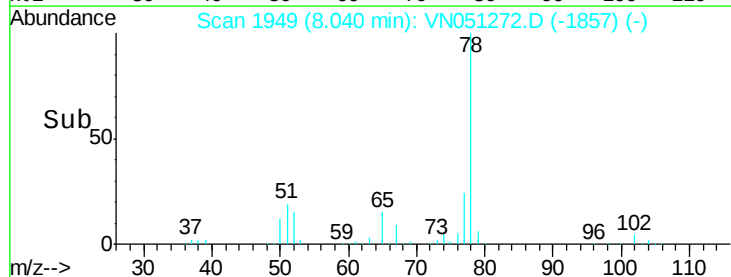
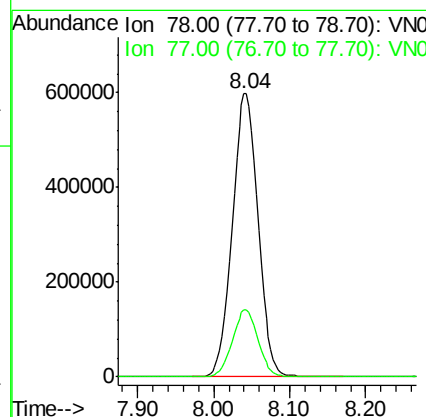
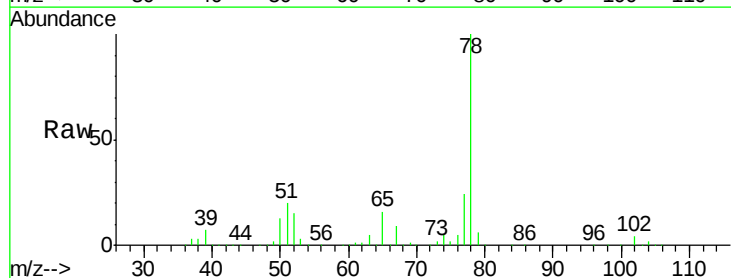
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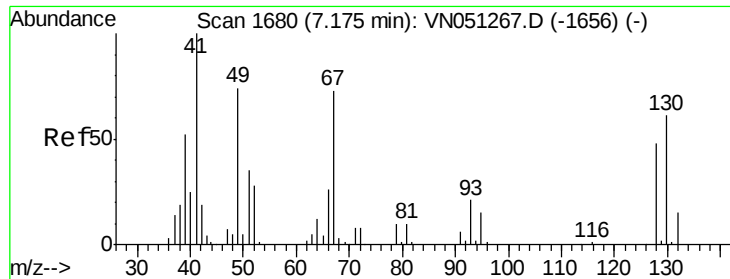
MMDadoda
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#40
Benzene
Concen: 51.54 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





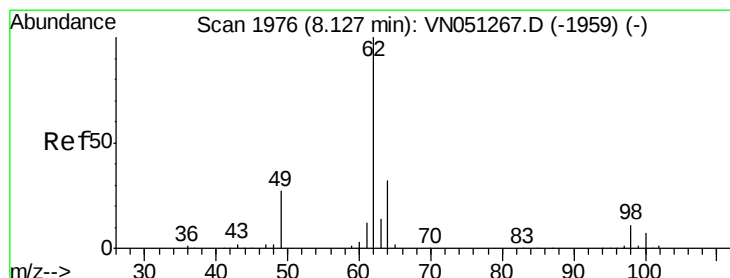
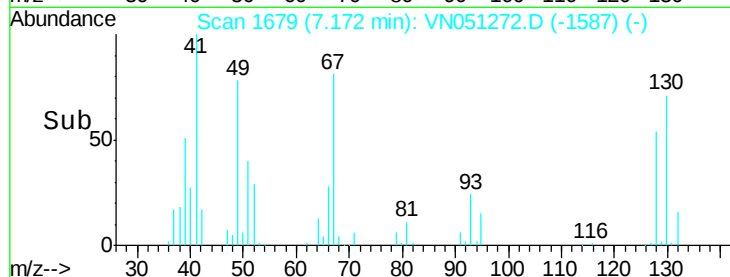
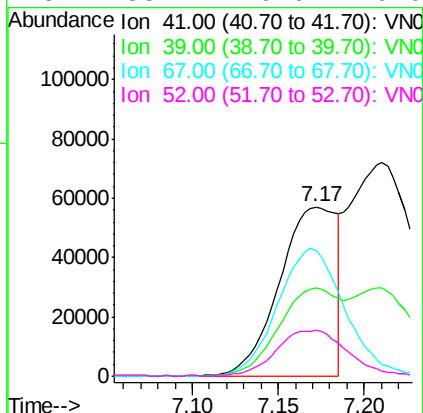
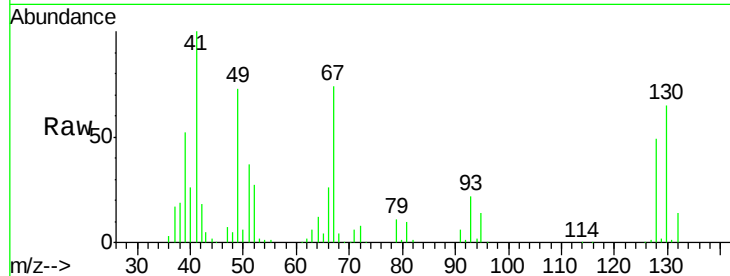
#41
Methacrylonitrile
Concen: 54.56 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	41	Resp	131994
Ion	Ratio	Lower	Upper
41	100		
39	55.5	47.8	71.6
67	89.0	69.8	104.6
52	33.4	26.6	40.0

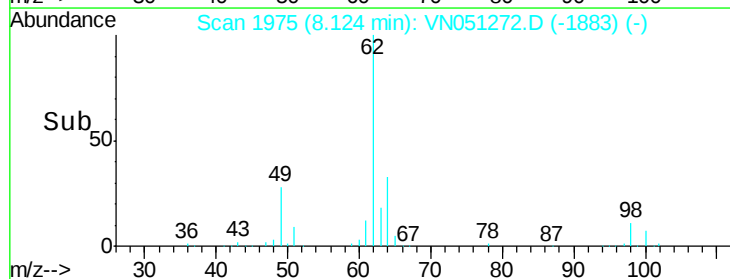
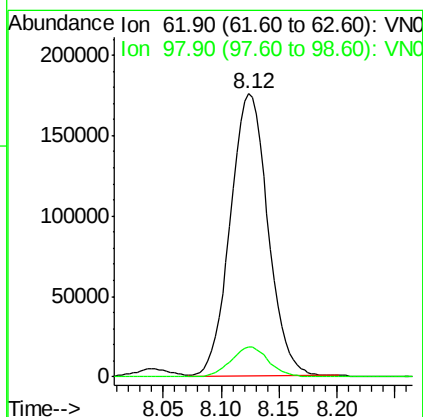
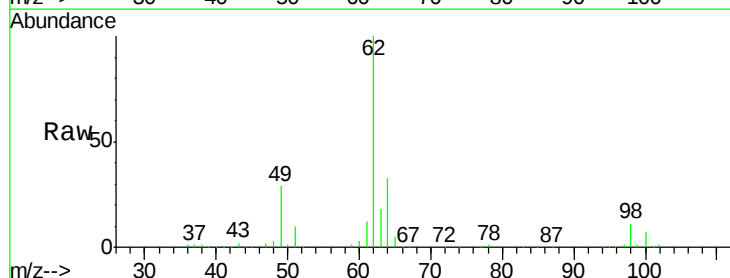
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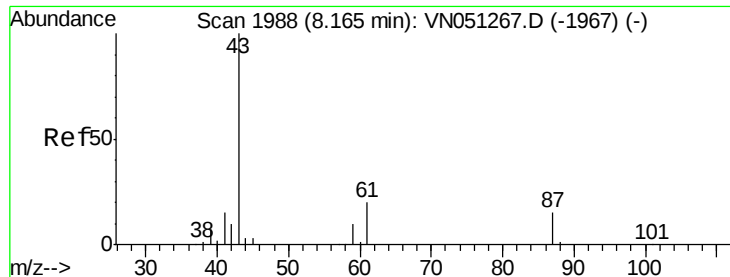
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.48 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	62	Resp	397035
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43

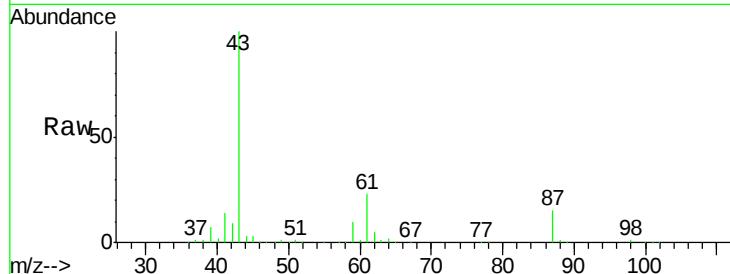
Isopropyl Acetate
 Concen: 52.54 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

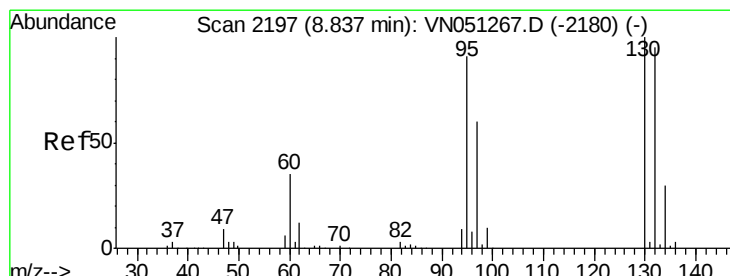
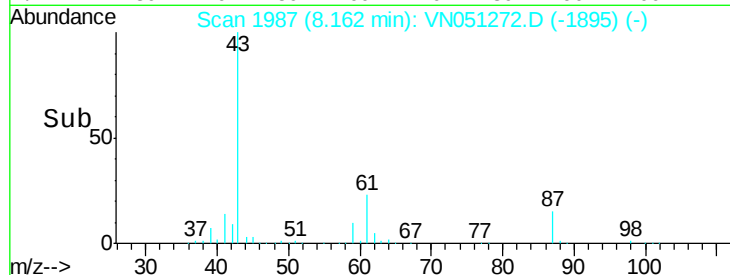
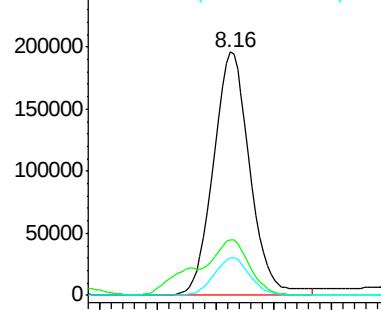
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.4	26.2
87	15.1	12.2	18.4

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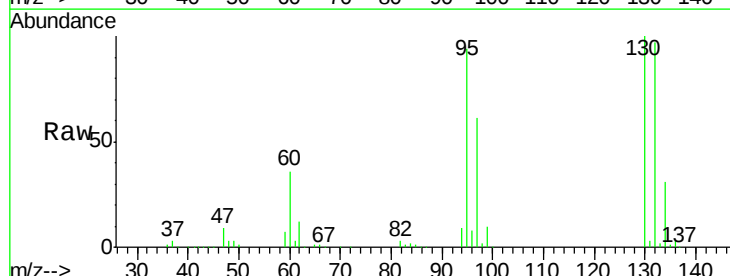
Abundance Ion 43.00 (42.70 to 43.70): VN051272.D (-2104) (-)



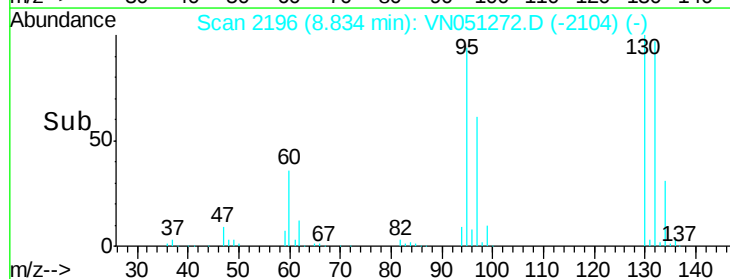
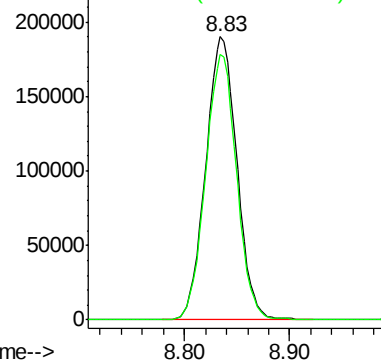
#44

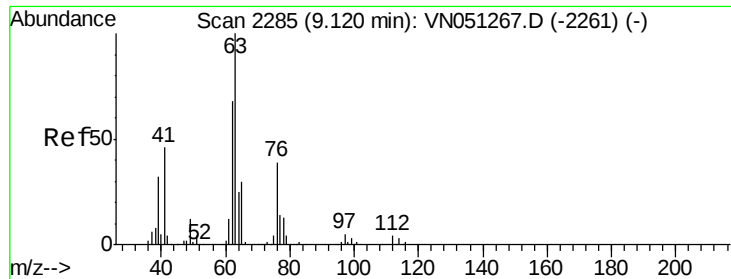
Trichloroethene
 Concen: 50.85 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051272.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 51.60 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 63 Resp: 356971

Ion Ratio Lower Upper

63 100

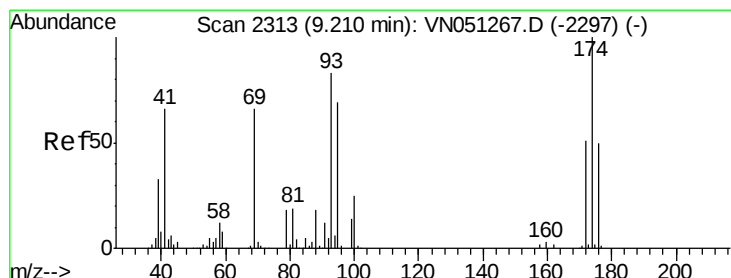
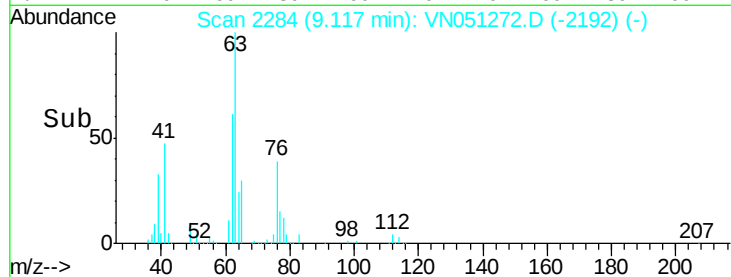
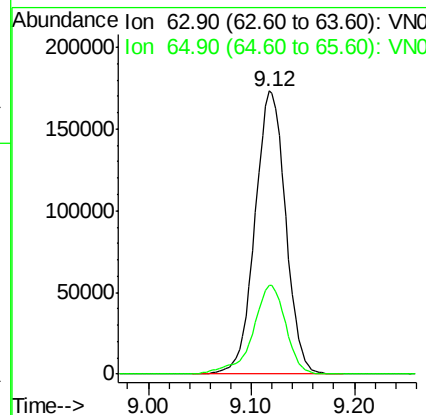
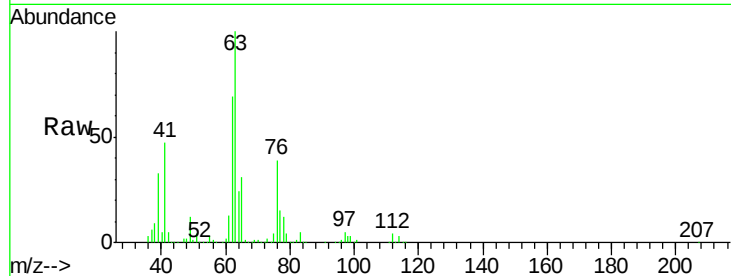
65 31.2 24.2 36.4

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#46

Dibromomethane

Concen: 49.91 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

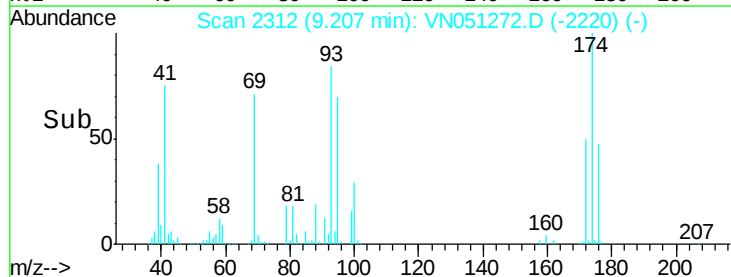
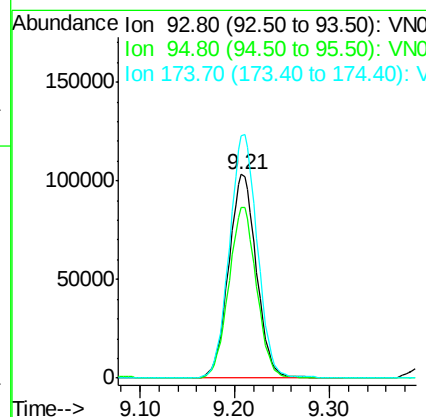
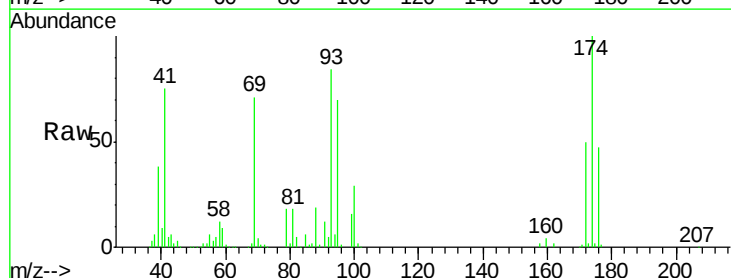
Tgt Ion: 93 Resp: 210322

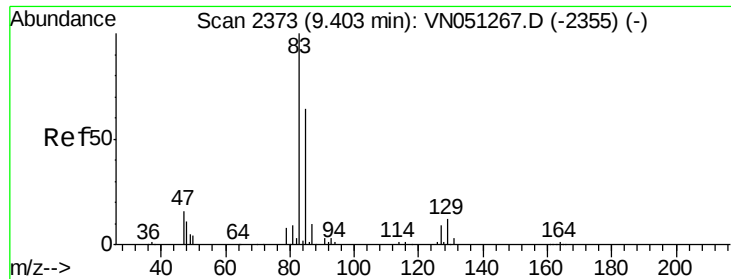
Ion Ratio Lower Upper

93 100

95 83.9 66.6 100.0

174 120.3 95.6 143.4





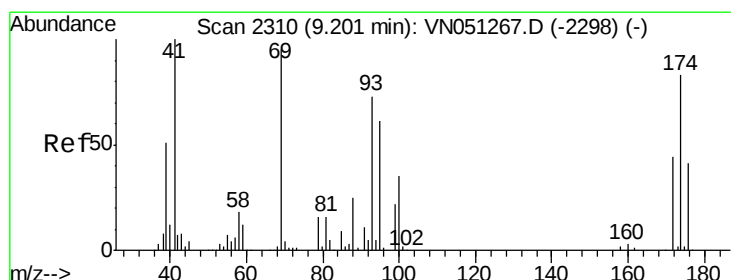
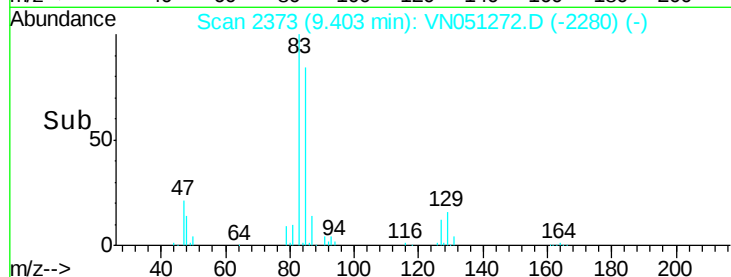
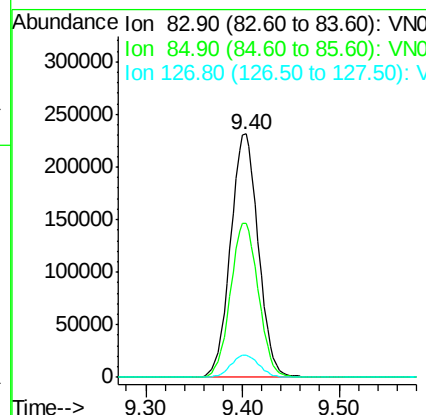
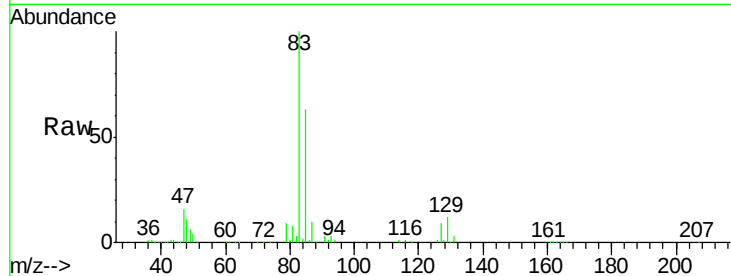
#47
Bromodichloromethane
Concen: 51.31 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	83	Resp	460846
Ion Ratio	100		
85	63.4	51.0	76.4
127	9.1	7.1	10.7

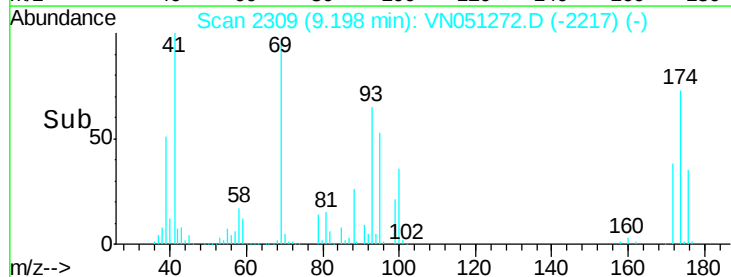
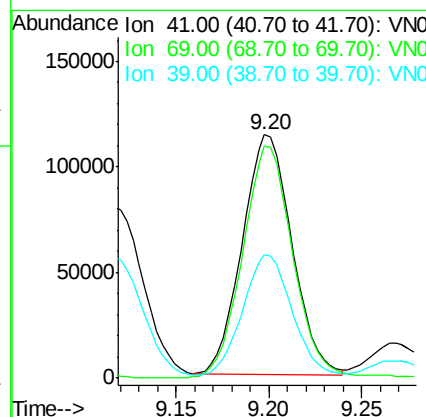
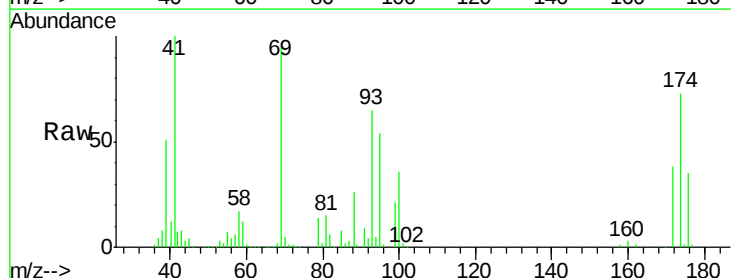
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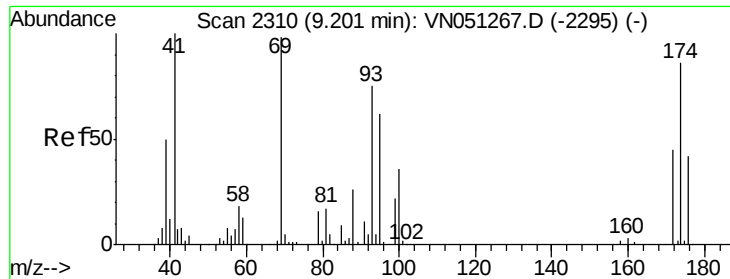
MMDadoda
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#48
Methyl methacrylate
Concen: 53.96 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	41	Resp	212008
Ion Ratio	100		
69	98.9	78.9	118.3
39	51.9	42.2	63.2





#49

1,4-Dioxane

Concen: 1065.47 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

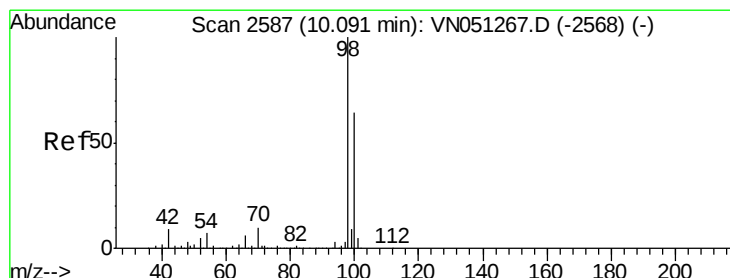
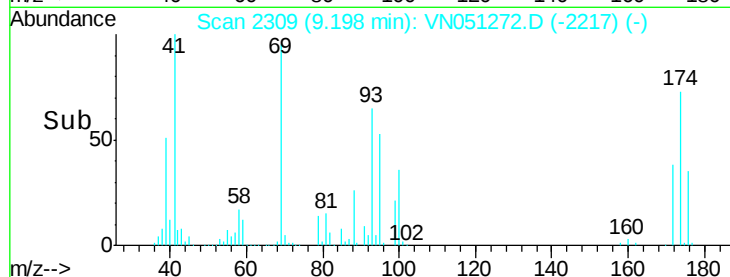
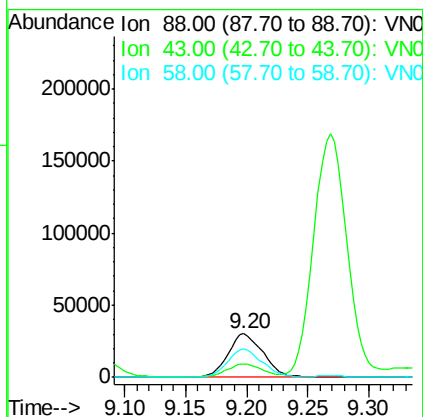
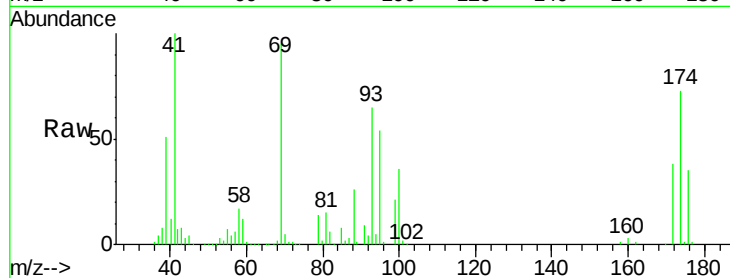
ClientSampleId :

ICVVN091718

Tot Ion:	88	Resp:	60564
Ion	Ratio	Lower	Upper
88	100		
43	29.5	25.3	37.9
58	64.8	54.9	82.3

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#50

Toluene-d8

Concen: 50.67 ug/l

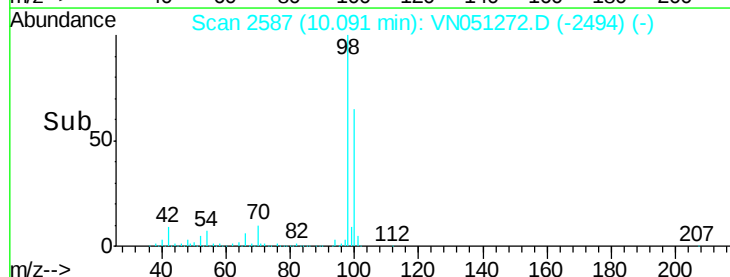
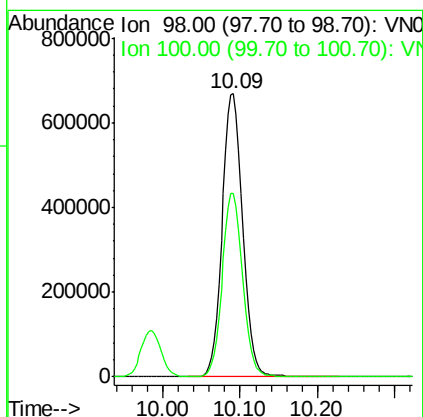
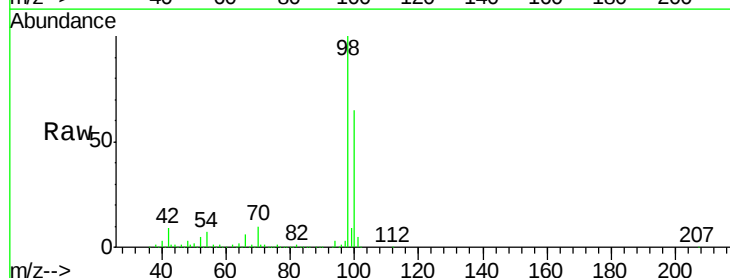
RT: 10.09 min Scan# 2587

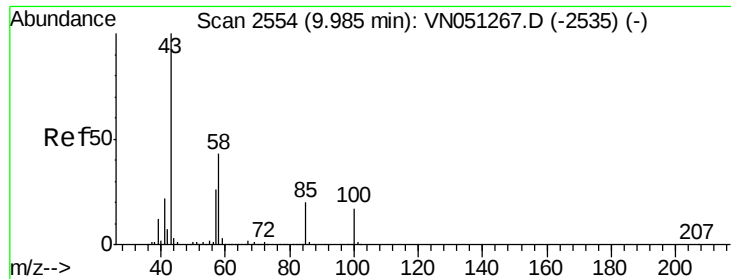
Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion:	98	Resp:	1233113
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 270.56 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 43 Resp: 1138910

Ion Ratio Lower Upper

43 100

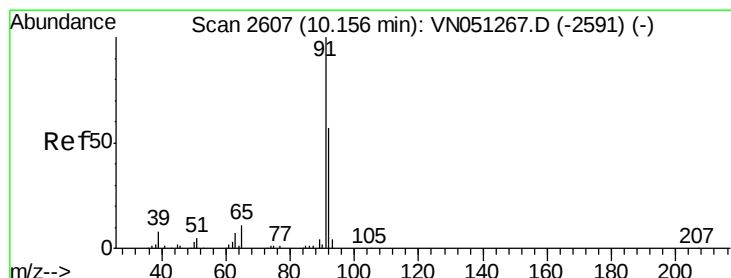
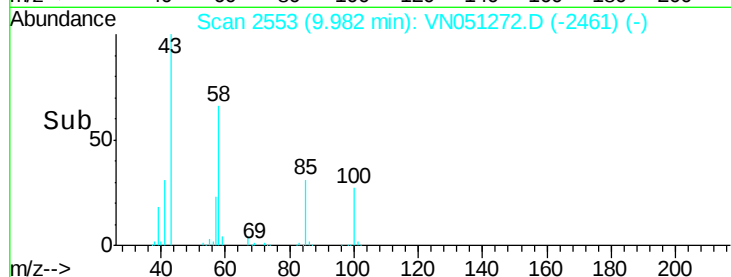
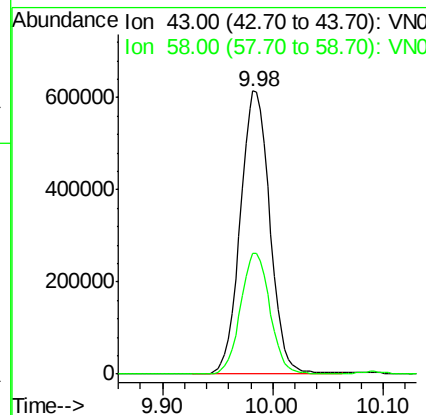
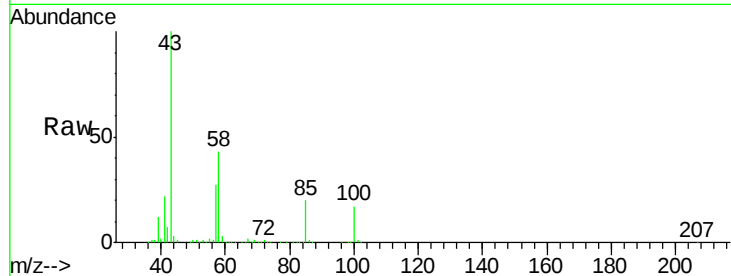
58 42.6 33.8 50.6

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#52

Toluene

Concen: 54.18 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051272.D

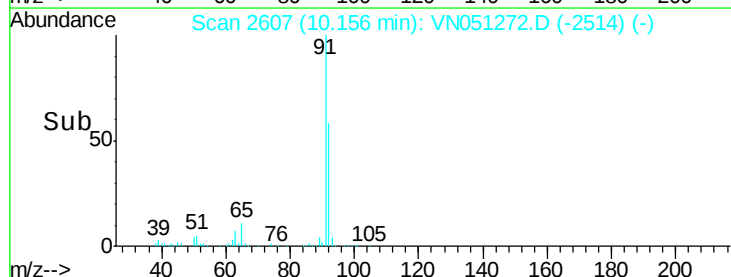
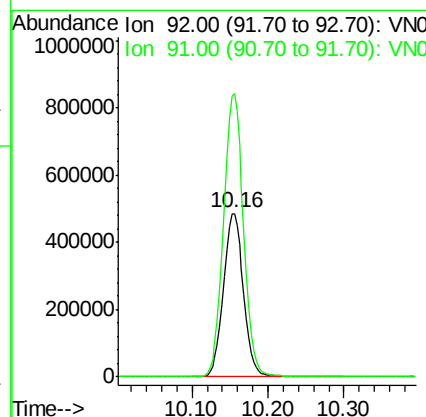
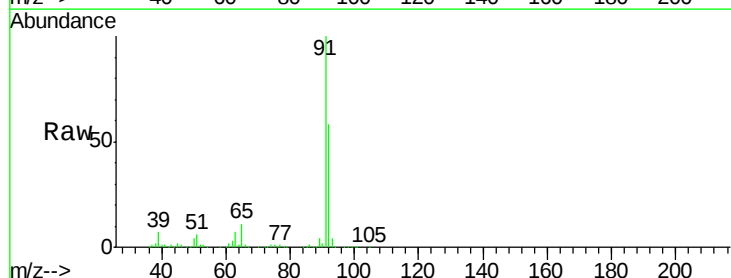
Acq: 17 Sep 2018 13:54

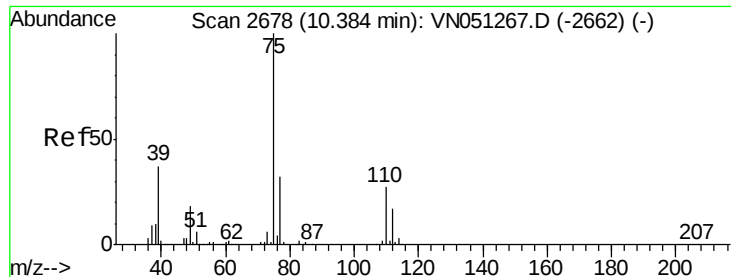
Tgt Ion: 92 Resp: 884960

Ion Ratio Lower Upper

92 100

91 174.0 139.2 208.8





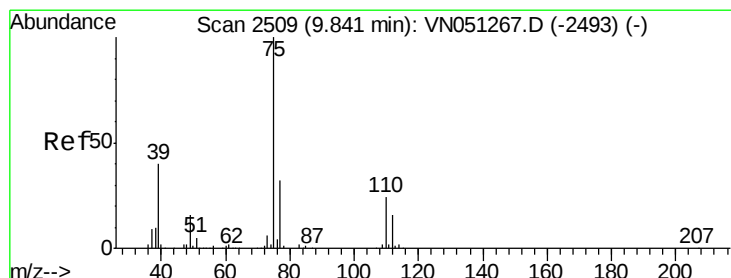
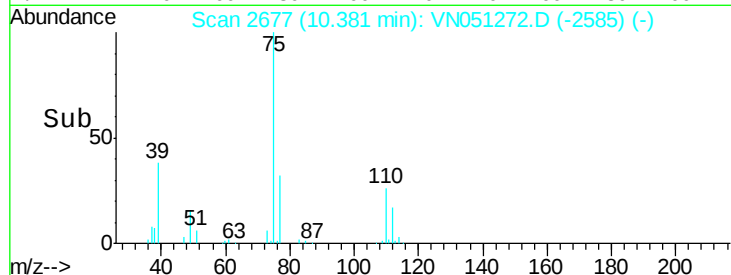
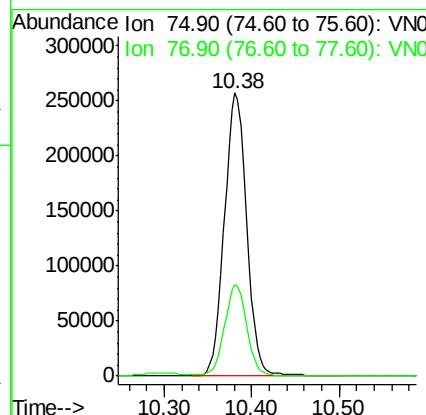
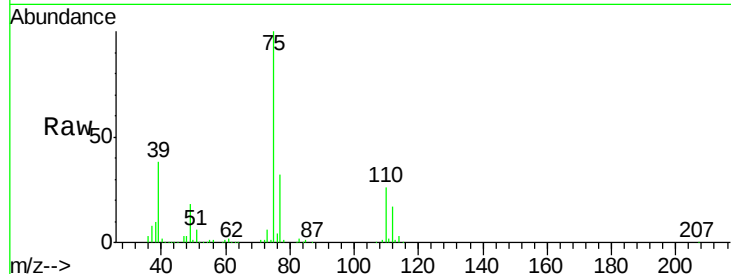
#53
t-1,3-Dichloropropene
Concen: 54.08 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampled :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.5	38.3

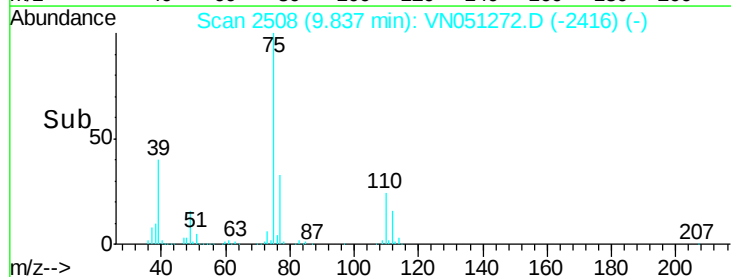
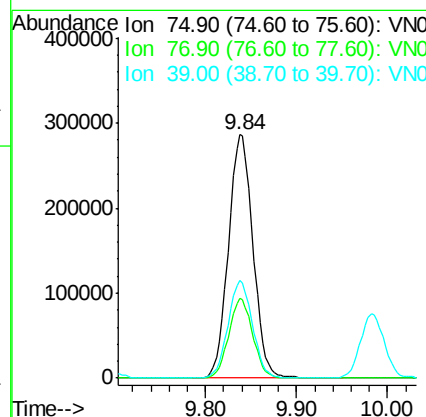
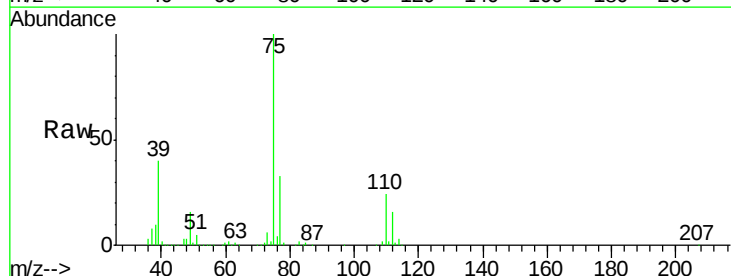
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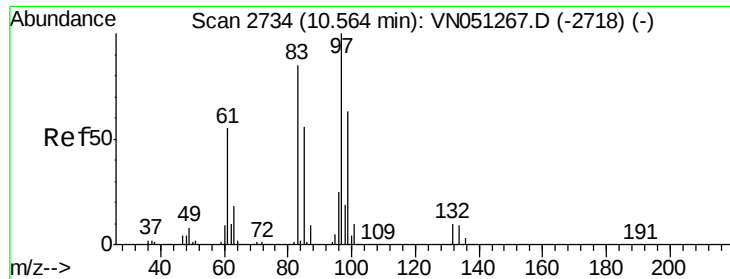
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#54
cis-1,3-Dichloropropene
Concen: 53.22 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.8	38.8
39	40.0	31.8	47.8





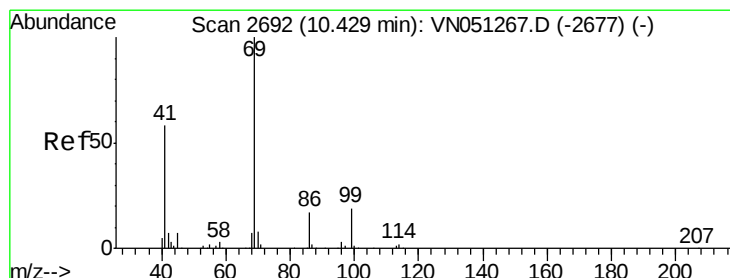
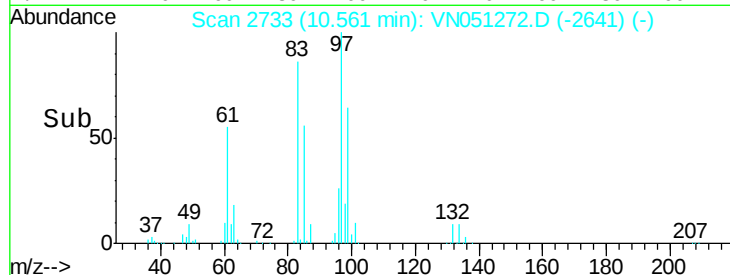
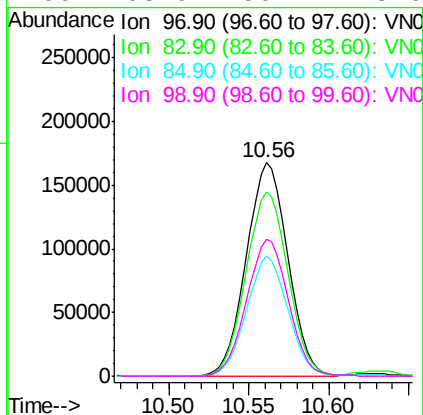
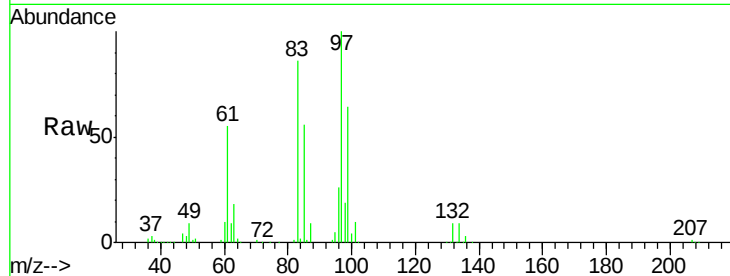
#55
 1,1,2-Trichloroethane
 Concen: 51.17 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN091718

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.7	101.5
85	56.1	44.5	66.7
99	63.9	50.4	75.6

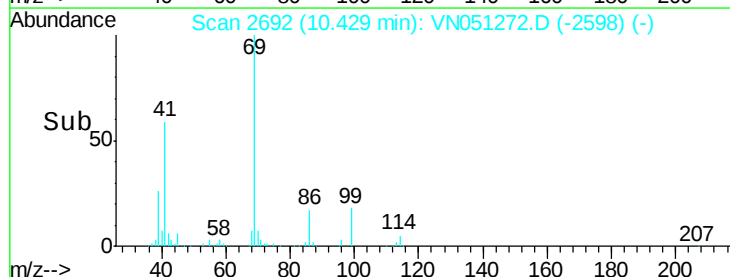
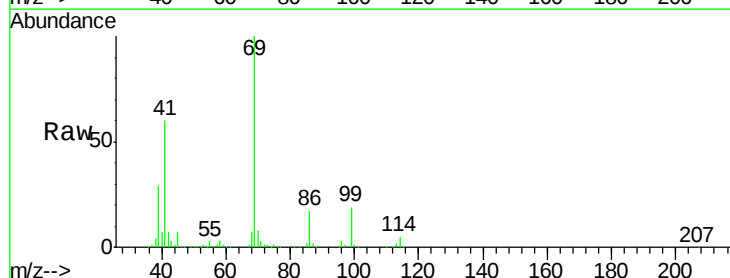
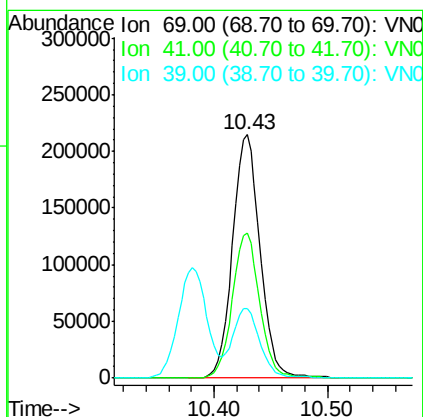
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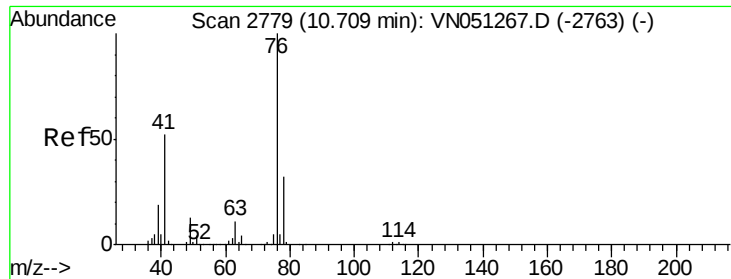
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#56
 Ethyl methacrylate
 Concen: 48.95 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	47.4	71.0
39	28.4	23.7	35.5





#57

1,3-Dichloropropane

Concen: 53.32 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICV091718

Tot Ion: 76 Resp: 507328

Ion Ratio Lower Upper

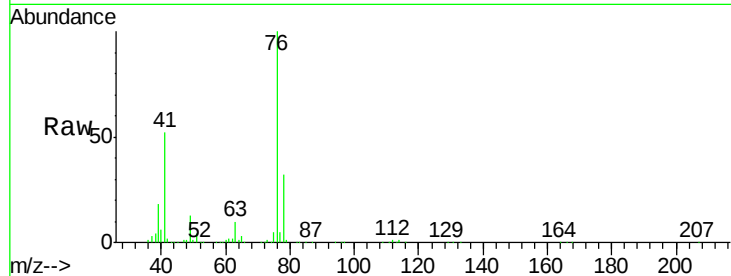
76 100

78 31.6 25.8 38.6

Manual Integrations
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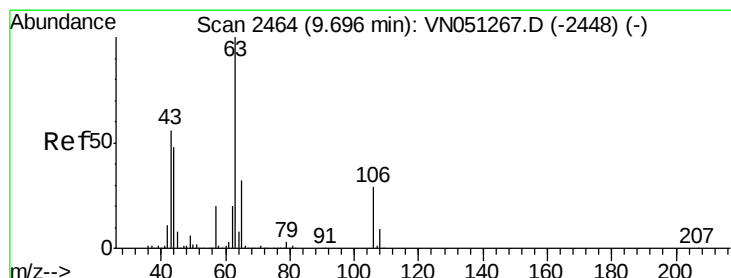
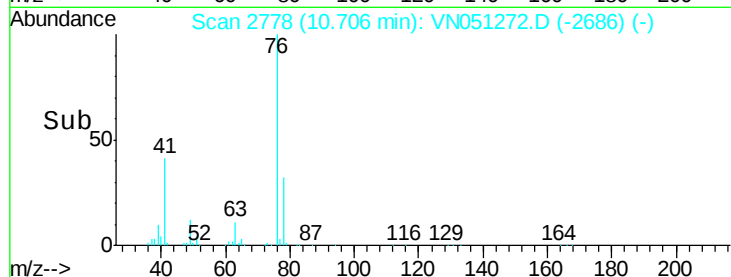
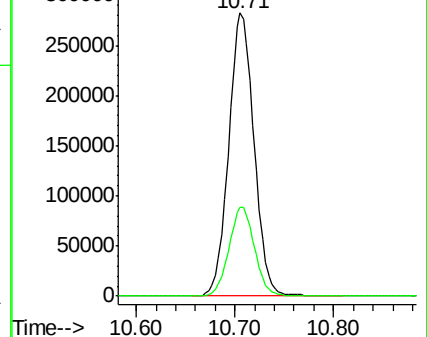
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 250.29 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051272.D

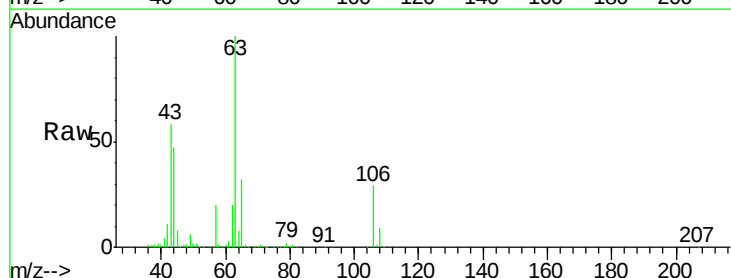
Acq: 17 Sep 2018 13:54

Tgt Ion: 63 Resp: 857188

Ion Ratio Lower Upper

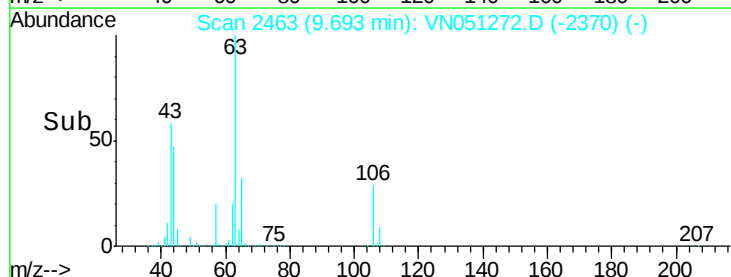
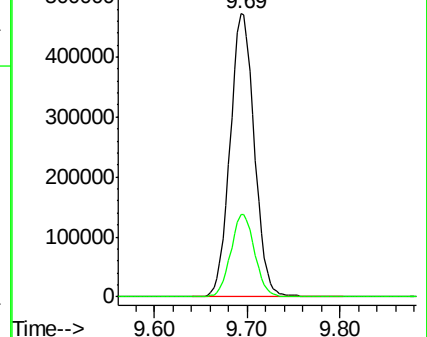
63 100

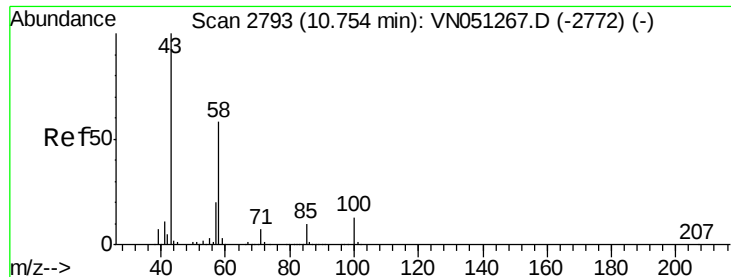
106 28.7 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





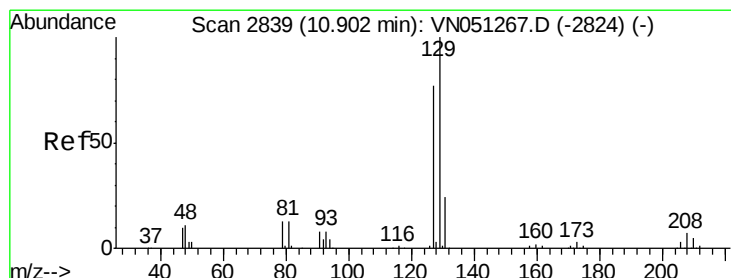
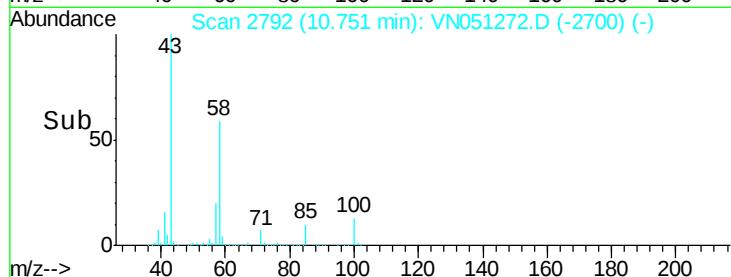
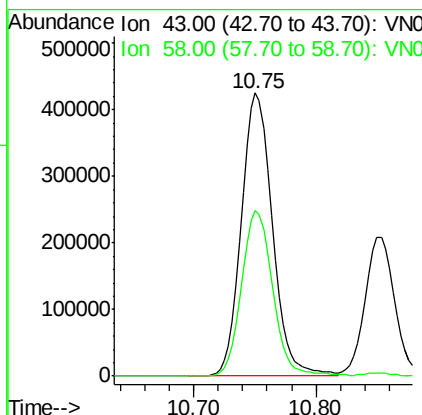
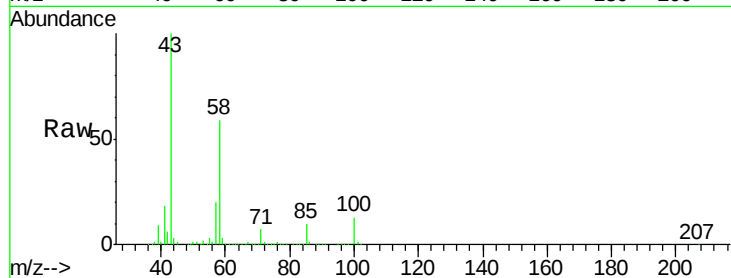
#59
2-Hexanone
Concen: 268.84 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	43	Resp	745094
Ion Ratio	100	Lower	Upper
43	100		
58	58.6	28.9	86.8

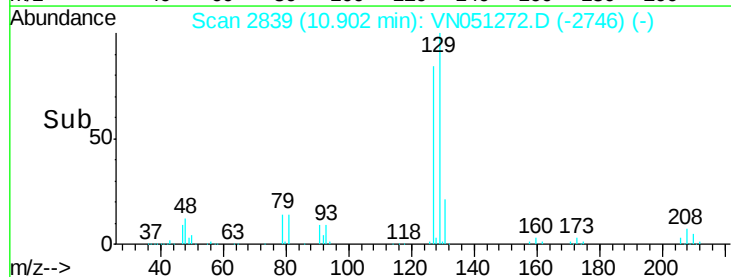
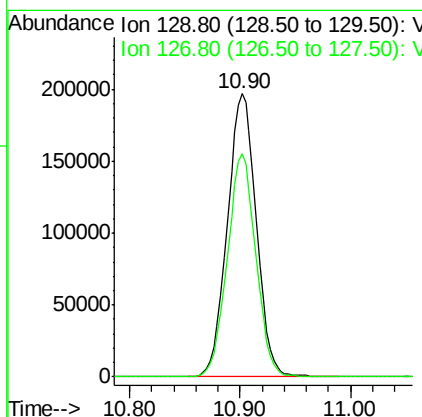
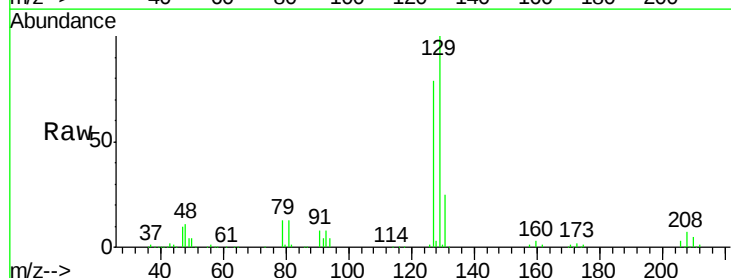
Manual Integrations
APPROVED

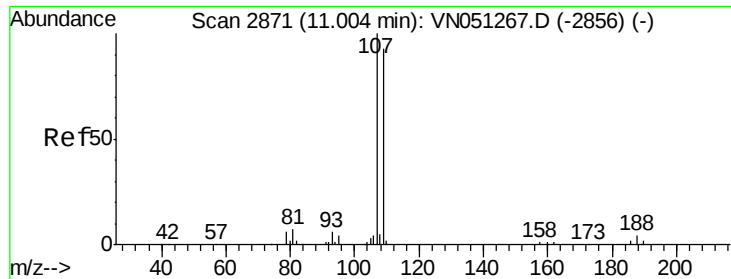
MMDadoda
9/19/2018 4:57:53 PM



#60
Dibromochloromethane
Concen: 51.94 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	129	Resp	357040	
Ion Ratio	129	100	Lower	Upper
127	77.6	38.3	114.9	





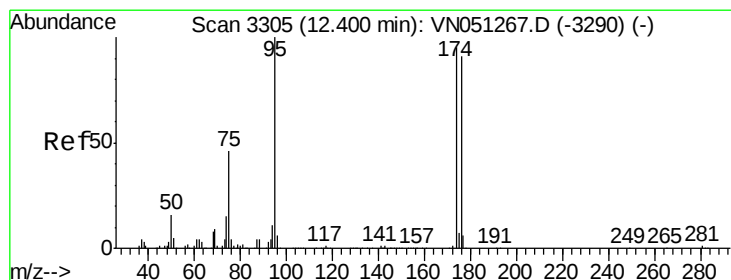
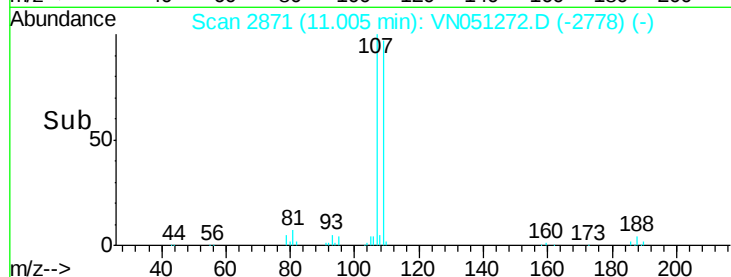
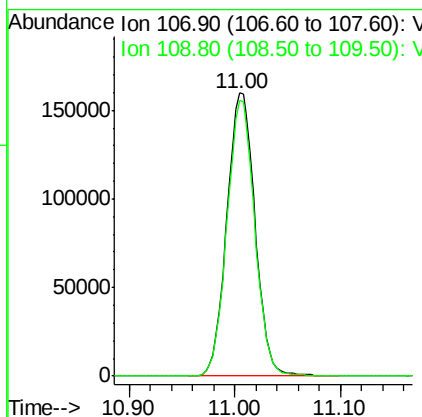
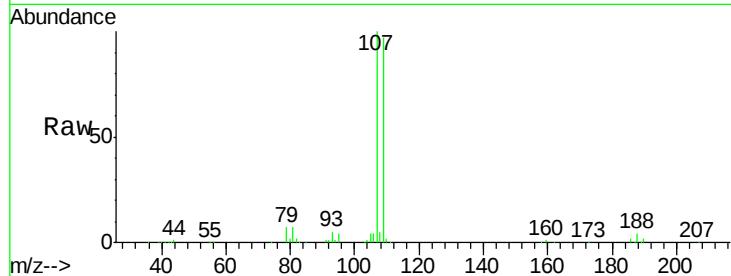
#61
 1,2-Dibromoethane
 Concen: 52.54 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.7	112.1

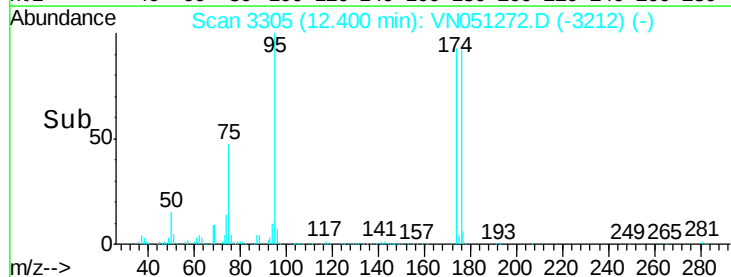
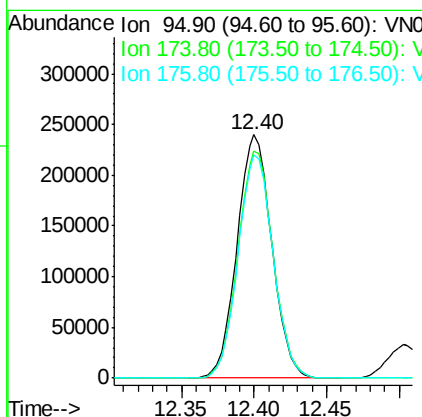
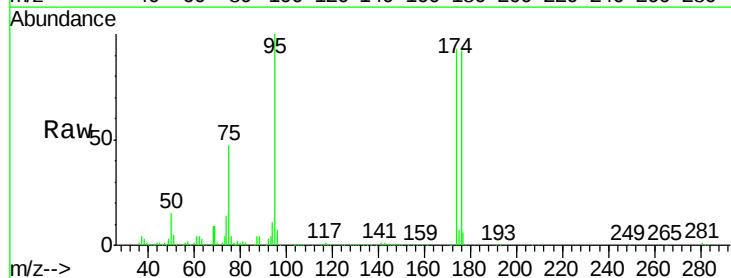
Manual Integrations
 APPROVED

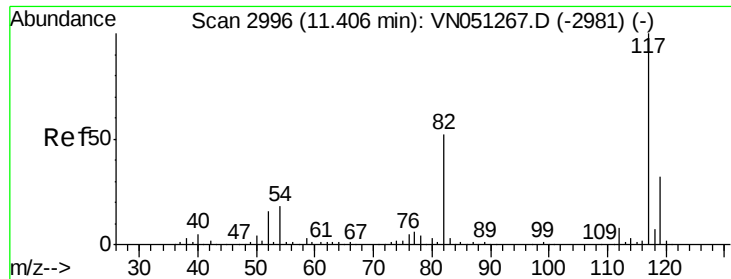
MMDadoda
 9/19/2018 4:57:53 PM



#62
 4-Bromofluorobenzene
 Concen: 51.57 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	189.6
176	92.4	0.0	182.6





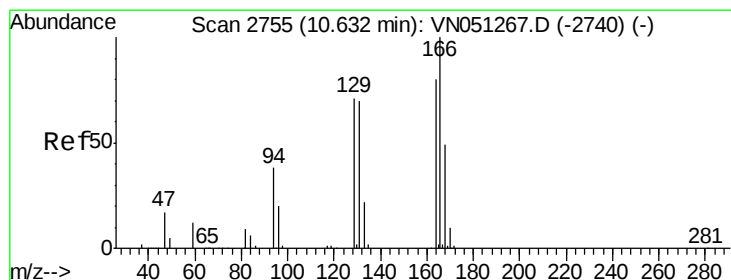
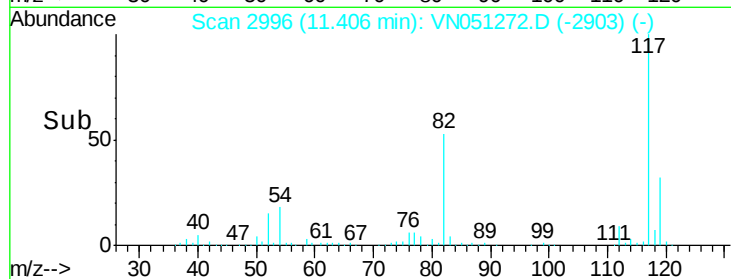
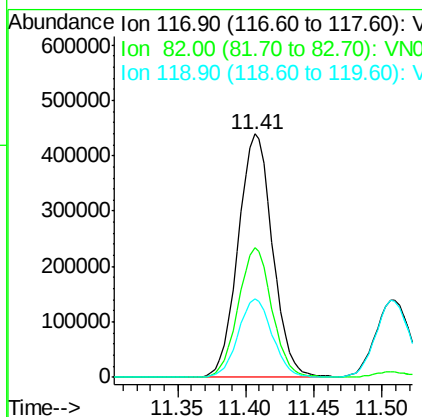
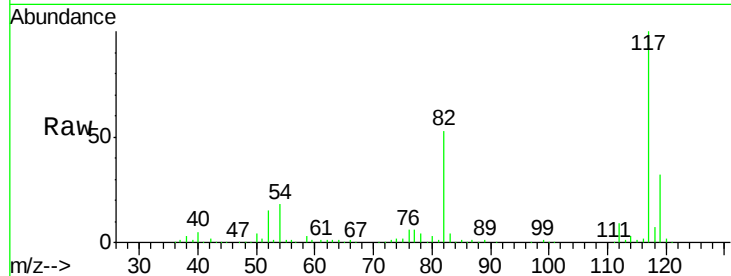
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	41.8	62.8
119	32.3	25.6	38.4

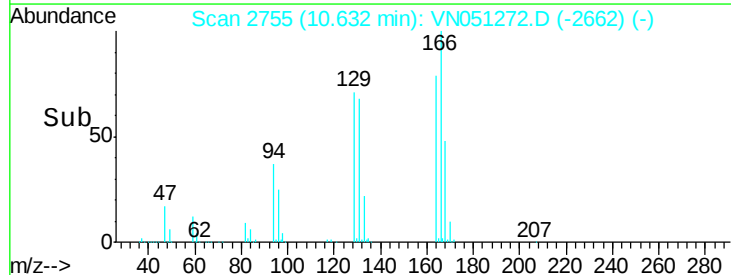
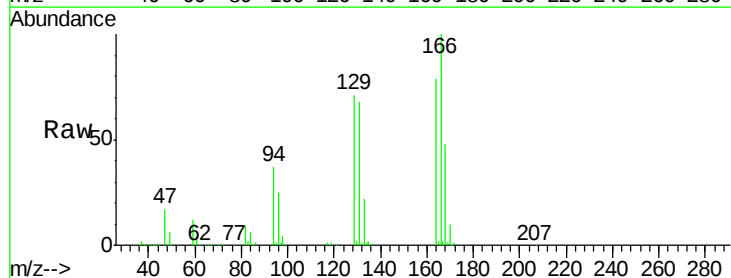
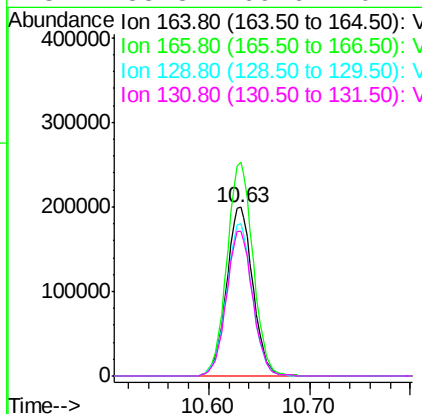
Manual Integrations
APPROVED

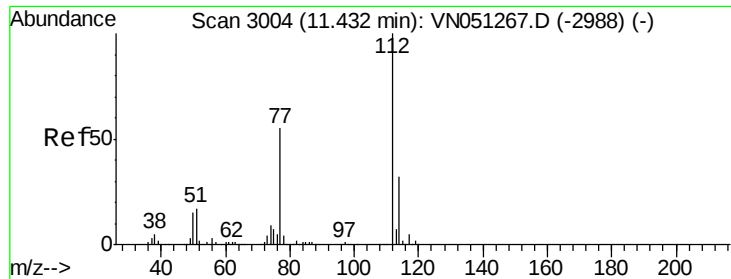
MMDadoda
9/19/2018 4:57:53 PM



#64
Tetrachloroethene
Concen: 49.39 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	100.0	150.0
129	90.0	70.8	106.2
131	85.8	69.6	104.4





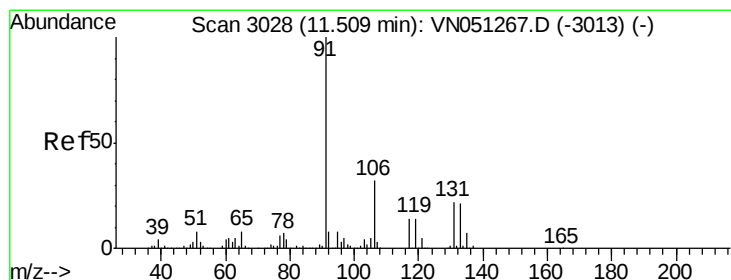
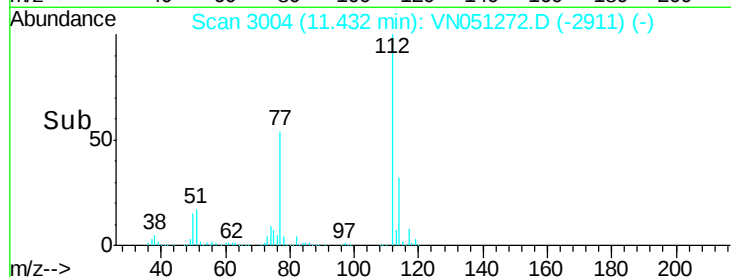
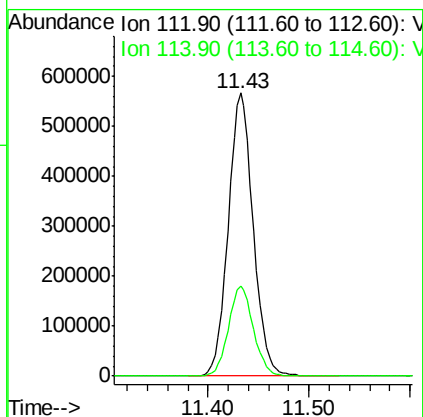
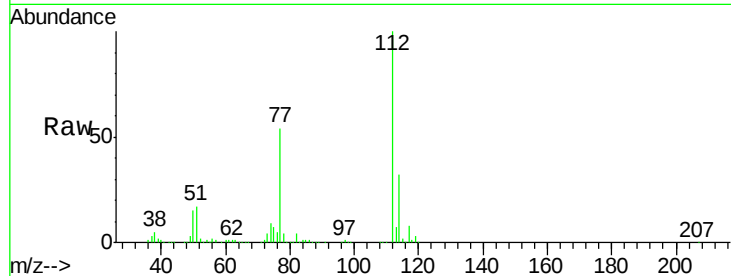
#65
Chlorobenzene
Concen: 51.21 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.9	38.9

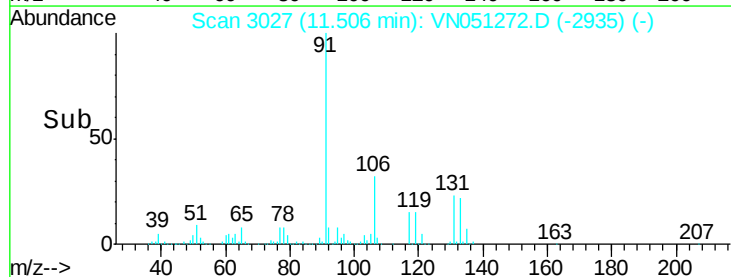
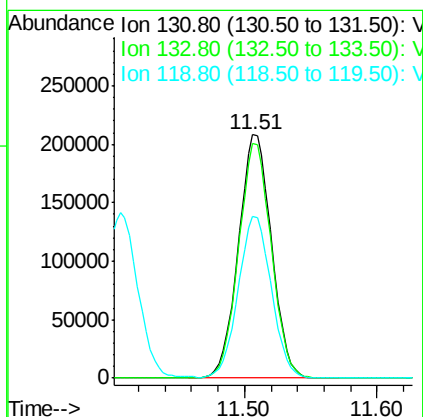
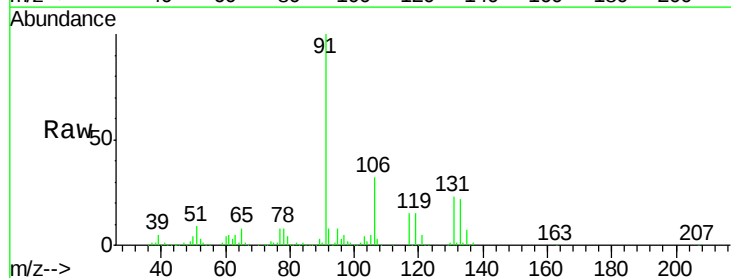
Manual Integrations
APPROVED

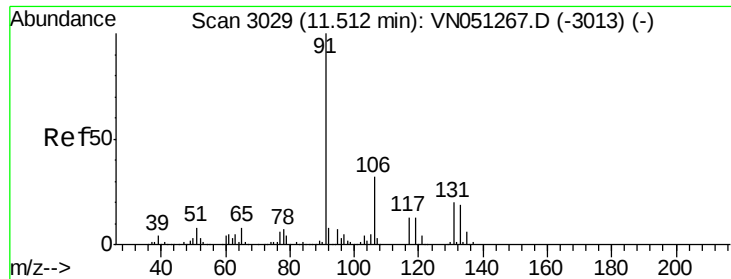
MMDadoda
9/19/2018 4:57:53 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.90 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.9	143.7
119	66.4	32.6	98.0





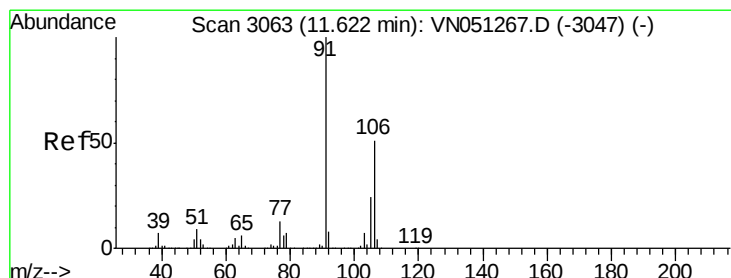
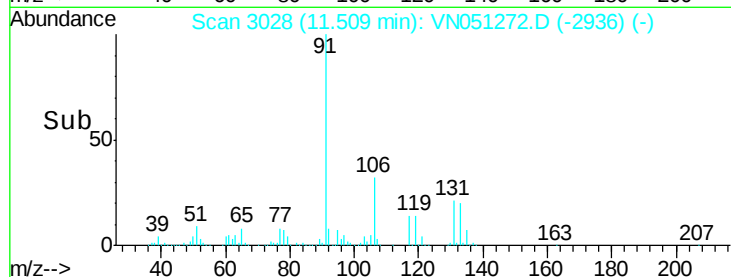
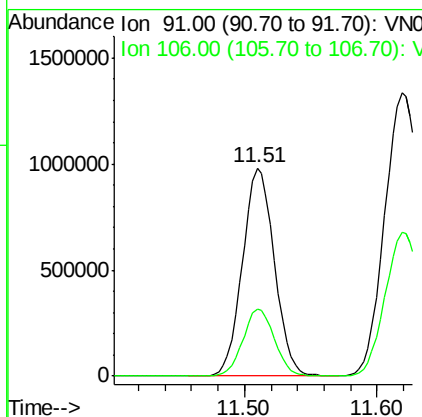
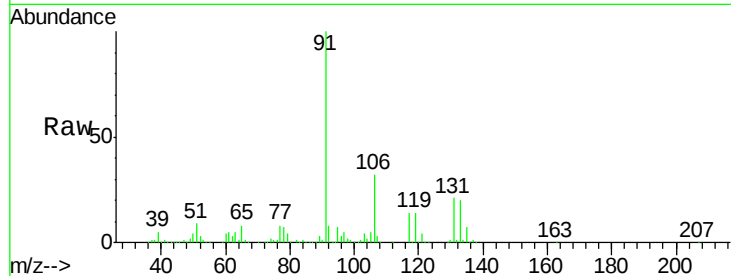
#67
Ethyl Benzene
Concen: 53.99 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion: 91 Resp: 1638804
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5

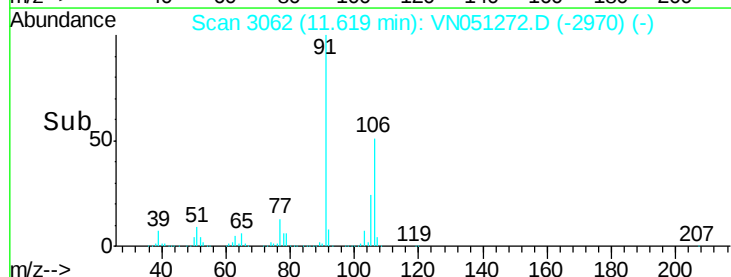
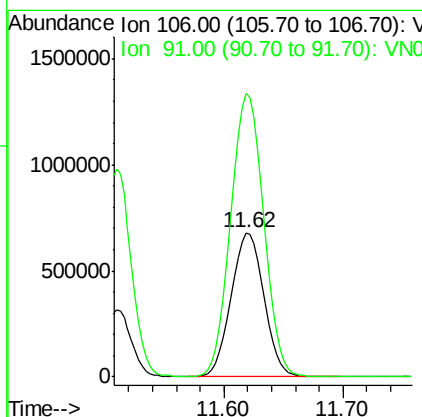
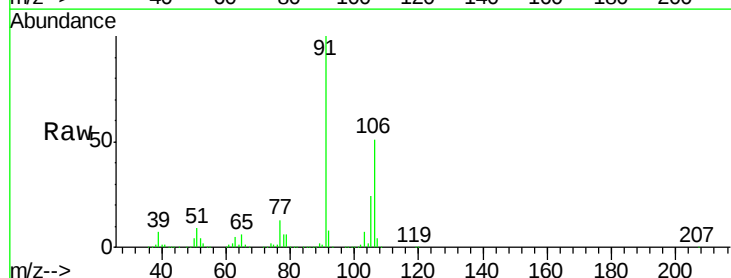
Manual Integrations
APPROVED

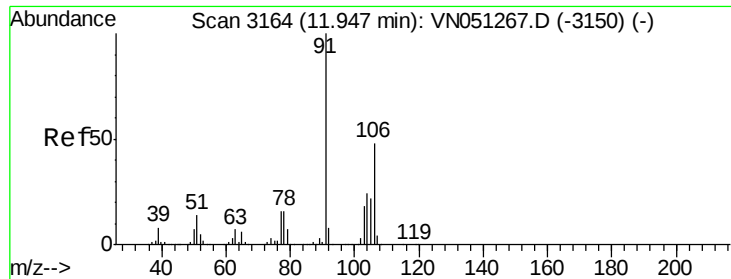
MMDadoda
9/19/2018 4:57:53 PM



#68
m/p-Xylenes
Concen: 110.16 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion: 106 Resp: 1298941
Ion Ratio Lower Upper
106 100
91 198.5 158.6 238.0





#69

o-Xylene

Concen: 55.20 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampled :

ICVVN091718

Tot Ion:106 Resp: 620266

Ion Ratio Lower Upper

106 100

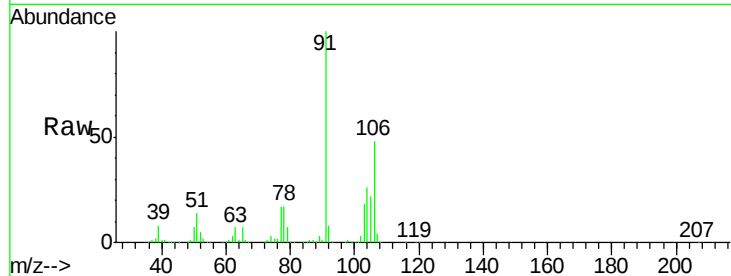
91 208.2 104.1 312.3

Manual Integrations

APPROVED

MMDadoda

9/19/2018 4:57:53 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

800000

600000

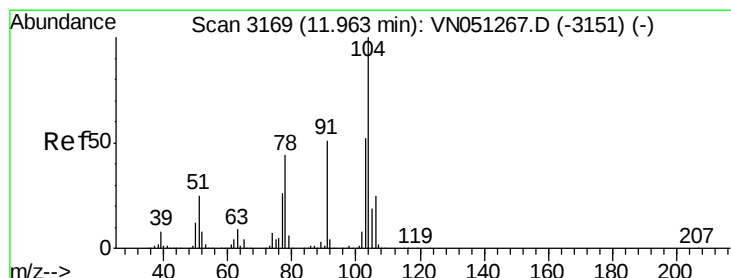
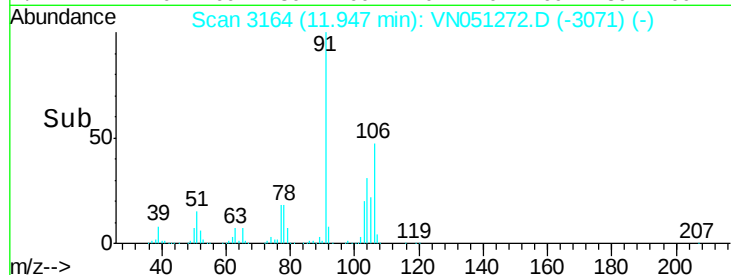
400000

200000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 49.49 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

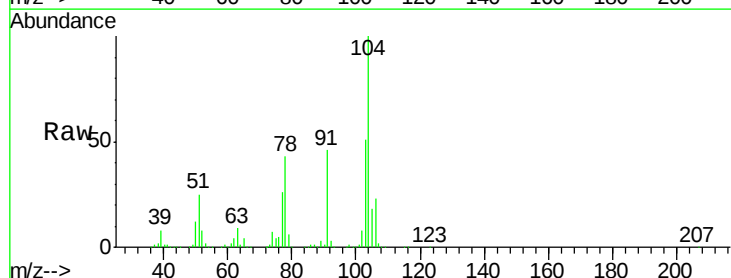
Tgt Ion:104 Resp: 983445

Ion Ratio Lower Upper

104 100

78 48.0 38.1 57.1

103 55.8 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

800000

600000

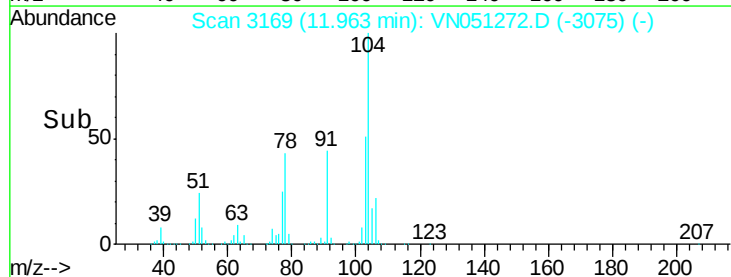
400000

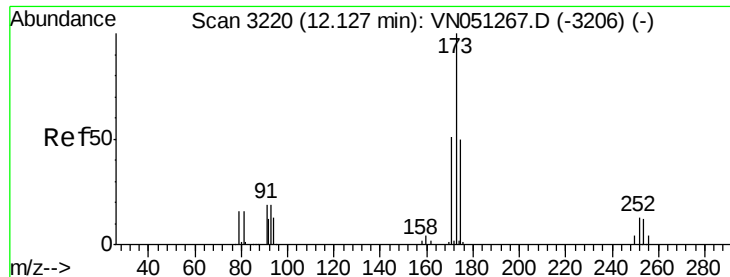
200000

0

11.90 11.96 12.00

Time-->





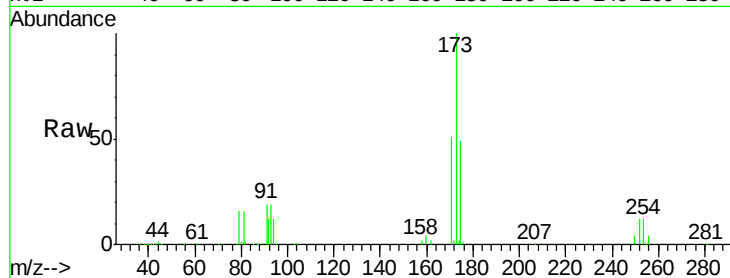
#71
Bromoform
Concen: 51.10 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

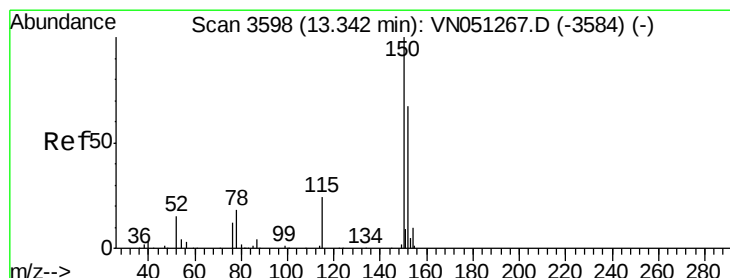
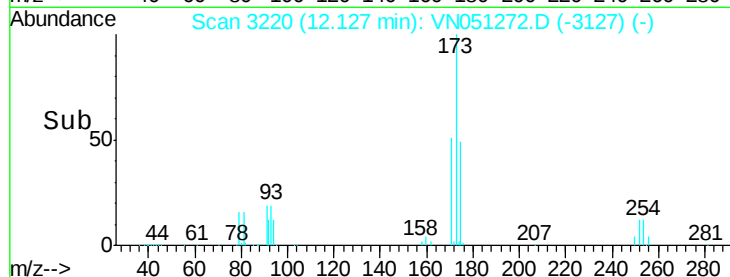
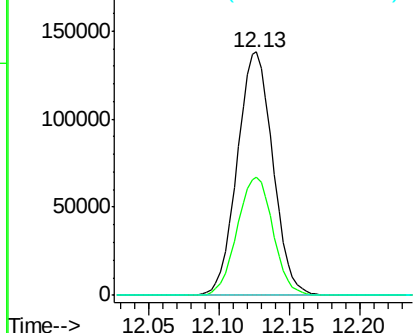
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1

Manual Integrations
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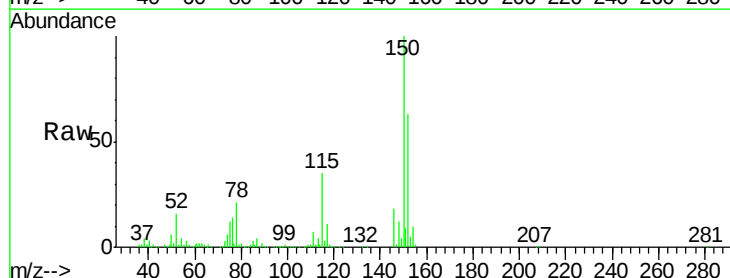


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

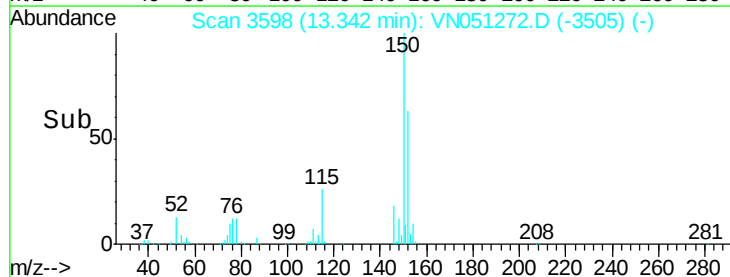
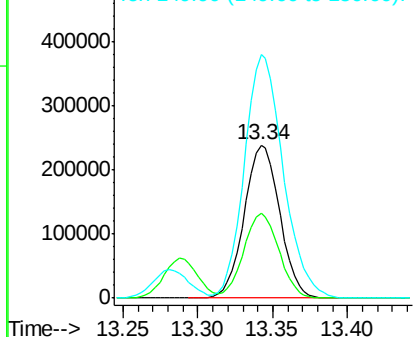


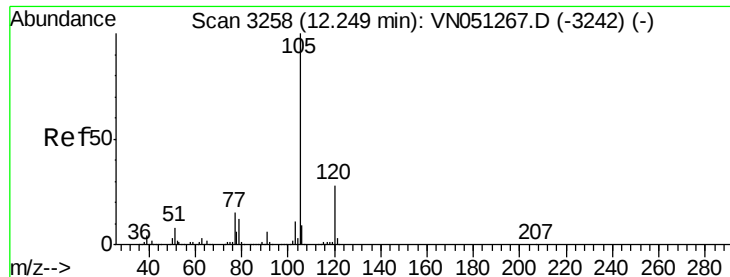
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.1	81.2
150	174.4	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: 49.41 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion:105 Resp: 1644040

Ion Ratio Lower Upper

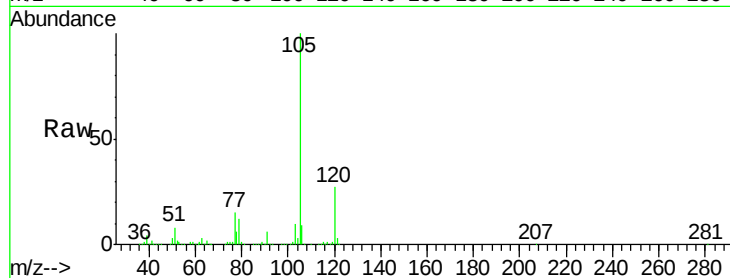
105 100

120 27.2 13.8 41.4

Manual Integrations
APPROVED

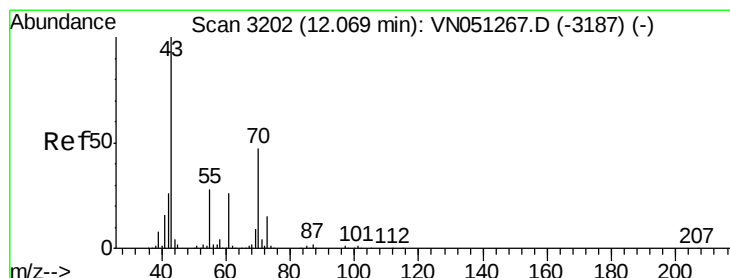
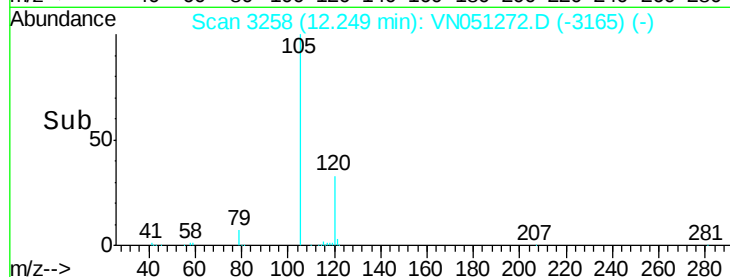
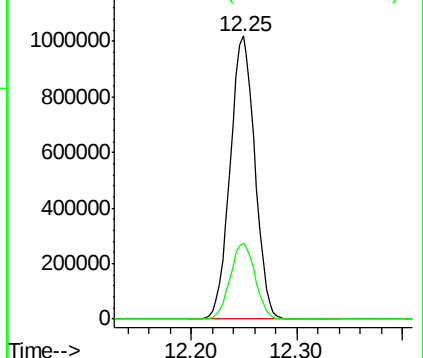
MMDadoda

9/19/2018 4:57:53 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.95 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion: 43 Resp: 334322

Ion Ratio Lower Upper

43 100

70 47.6 37.8 56.6

55 27.7 22.6 34.0

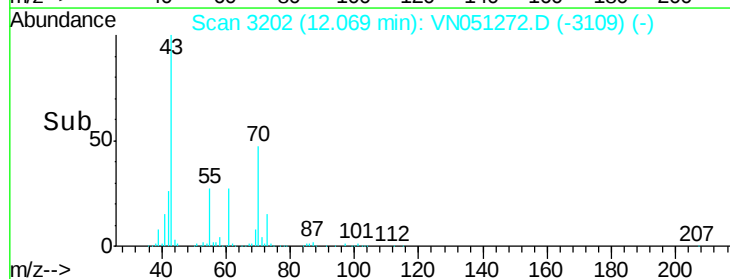
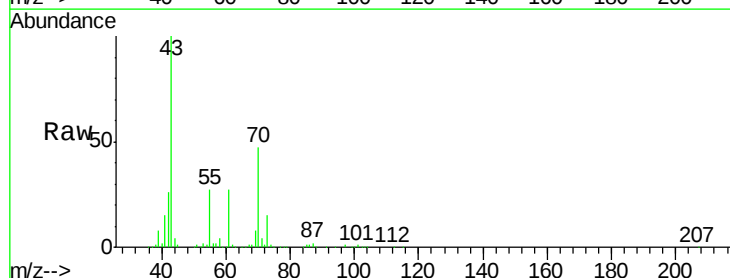
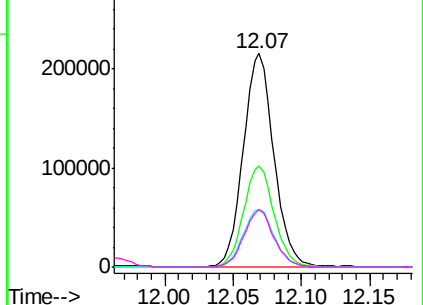
61 26.4 20.9 31.3

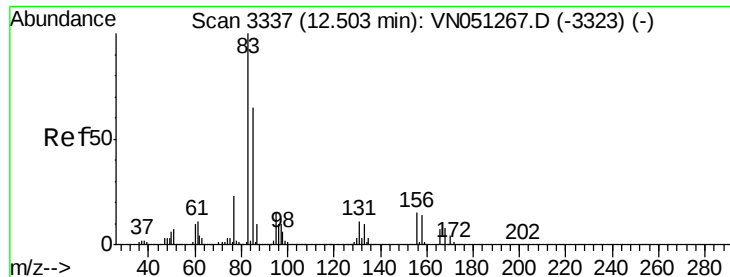
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.81 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

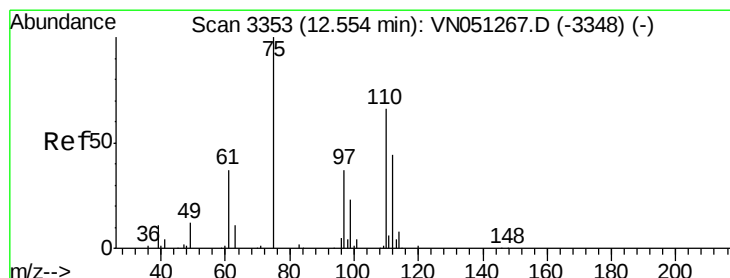
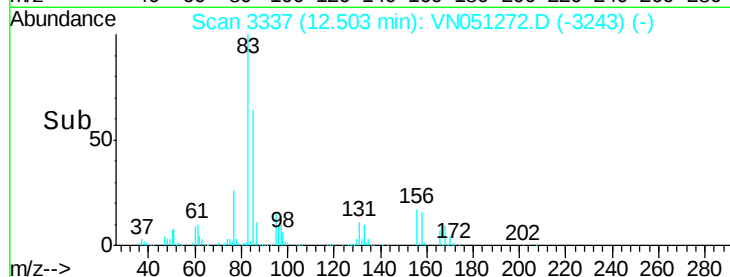
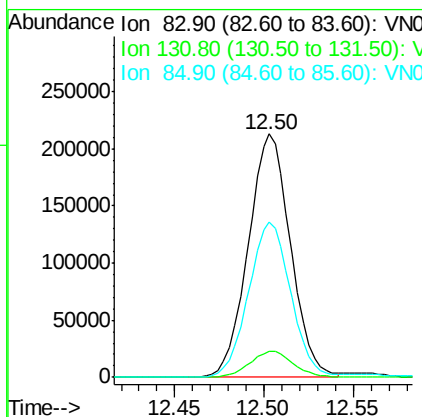
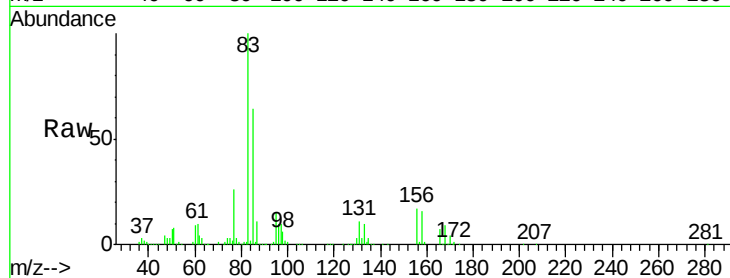
ClientSampleId :

ICVVN091718

Tot Ion:	83	Resp:	352130
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.5	16.7
85	63.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.69 ug/l m

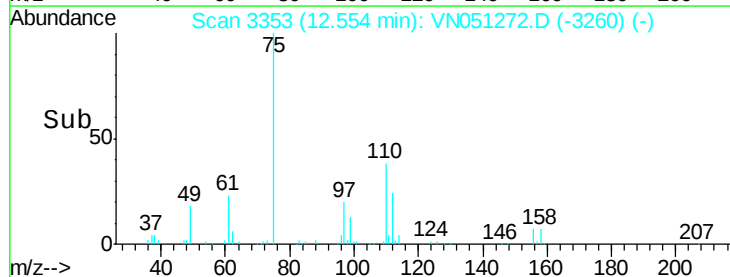
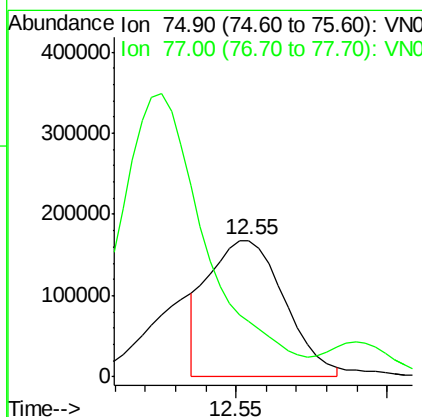
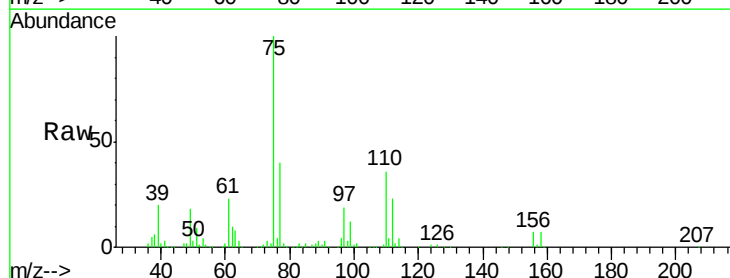
RT: 12.55 min Scan# 3353

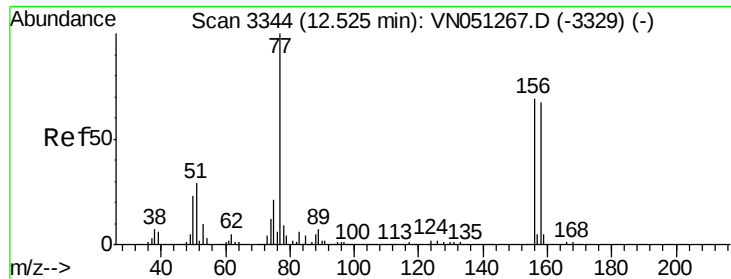
Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion:	75	Resp:	293529
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.16 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion:156 Resp: 417348

Ion Ratio Lower Upper

156 100

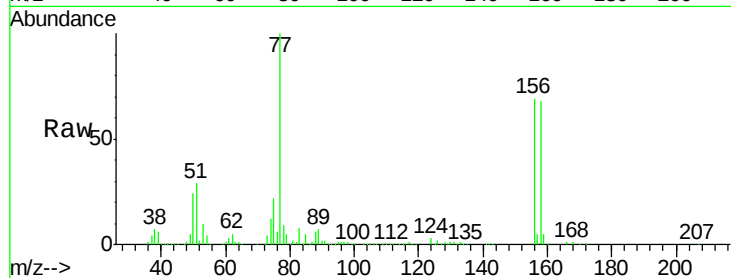
77 166.4 83.7 251.1

158 97.1 49.0 147.2

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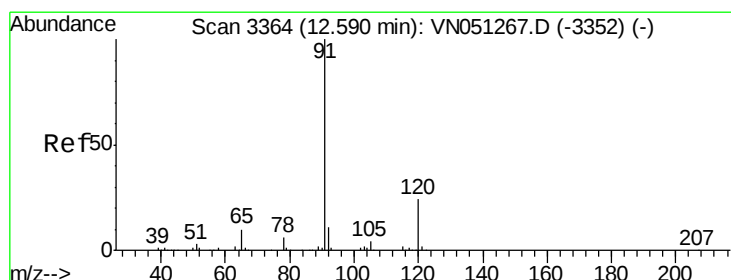
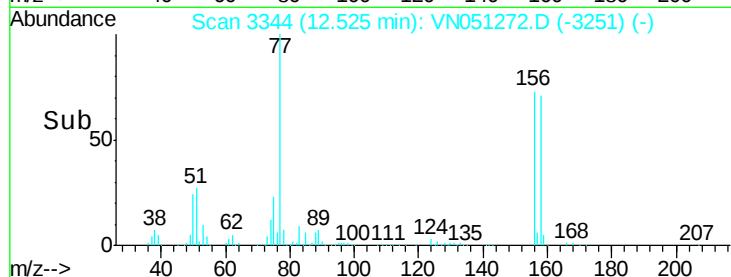
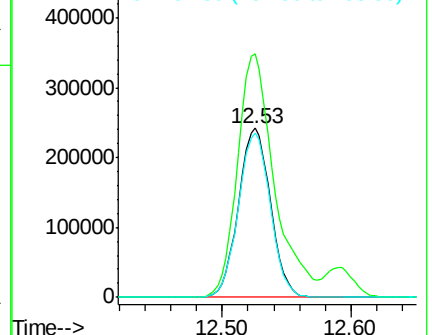
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.60 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051272.D

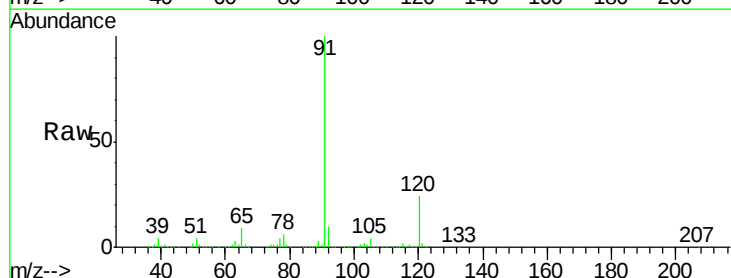
Acq: 17 Sep 2018 13:54

Tgt Ion: 91 Resp: 1816104

Ion Ratio Lower Upper

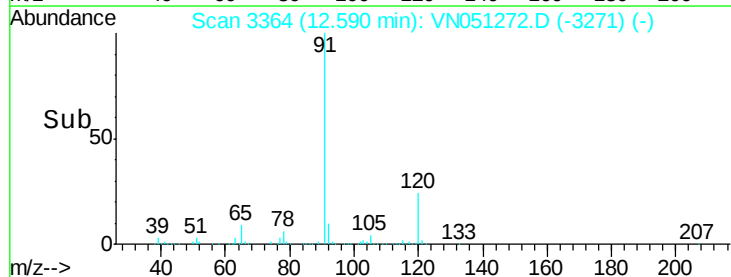
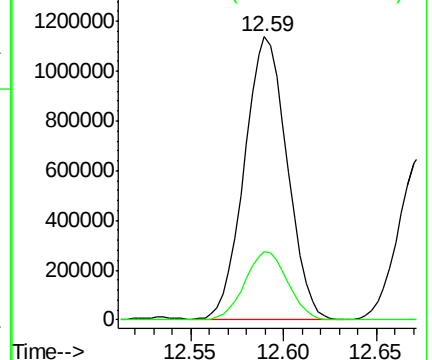
91 100

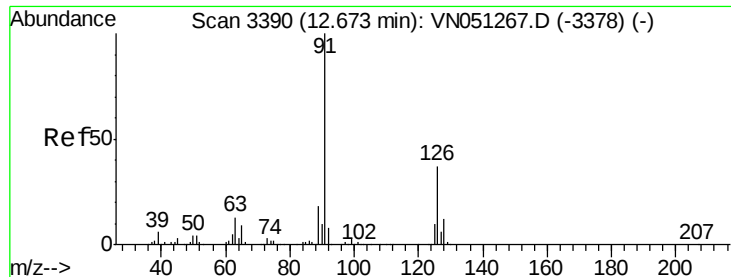
120 24.2 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.32 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion: 91 Resp: 1079565

Ion Ratio Lower Upper

91 100

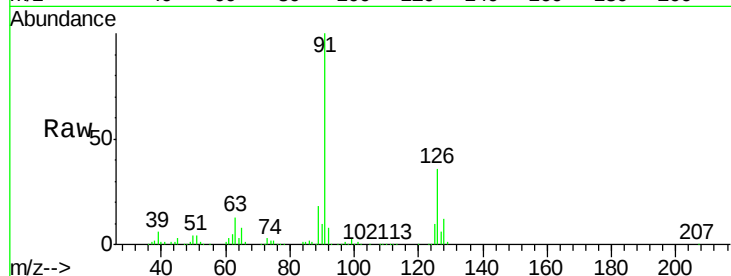
126 36.2 18.2 54.6

Manual Integrations

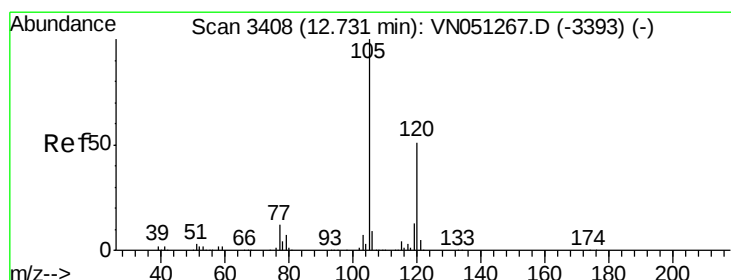
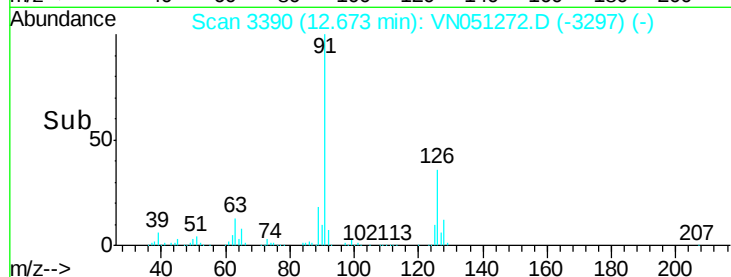
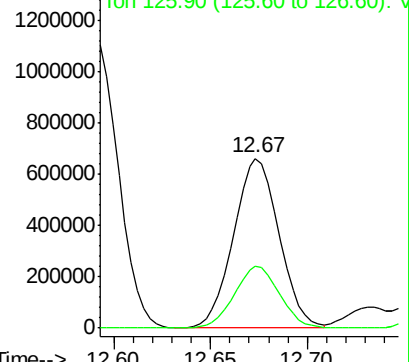
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Abundance Ion 91.00 (90.70 to 91.70): VN051267.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.39 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051272.D

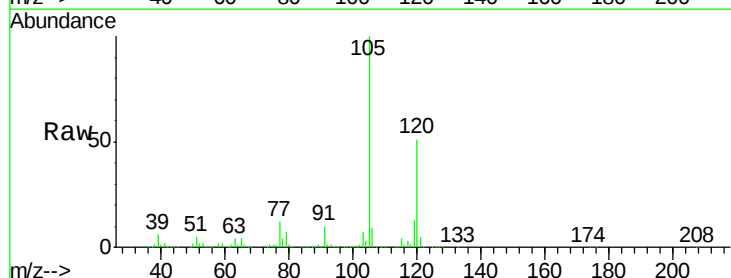
Acq: 17 Sep 2018 13:54

Tgt Ion: 105 Resp: 1340484

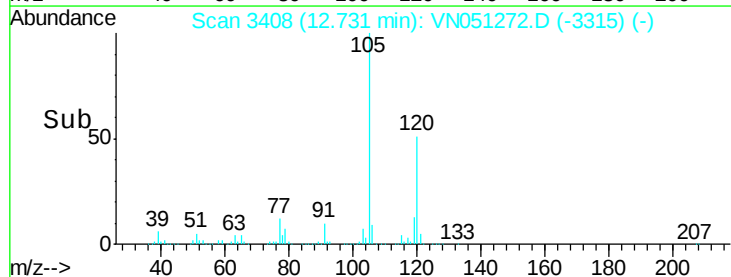
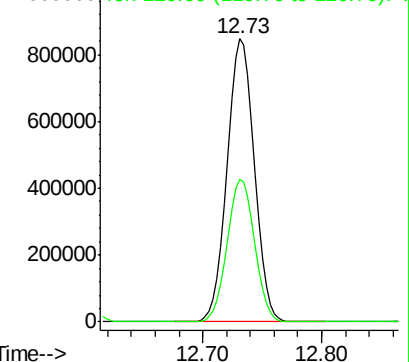
Ion Ratio Lower Upper

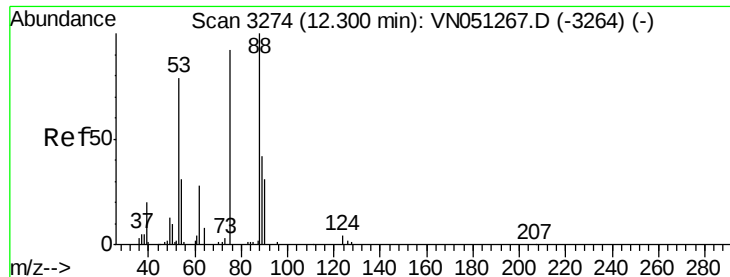
105 100

120 50.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VN051267.D (-3393) (-)





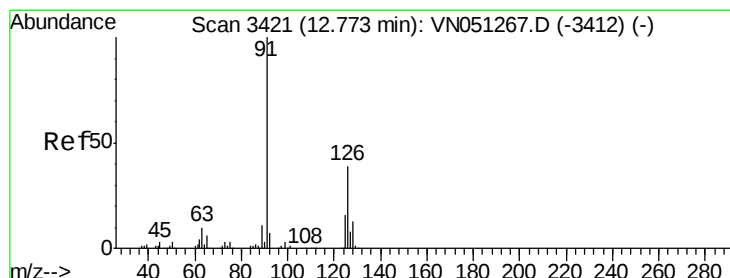
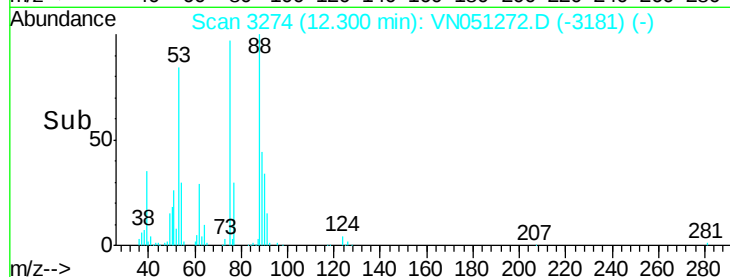
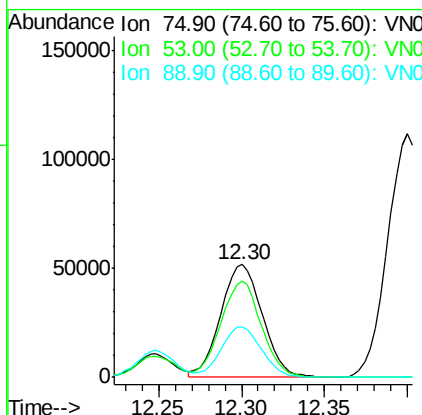
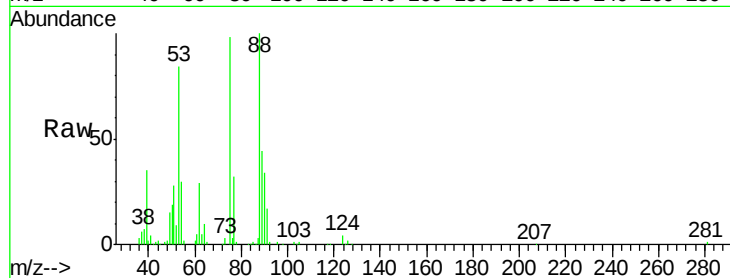
#81
trans-1,4-Dichloro-2-butene
Concen: 51.04 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.6	67.7	101.5
89	43.5	36.9	55.3

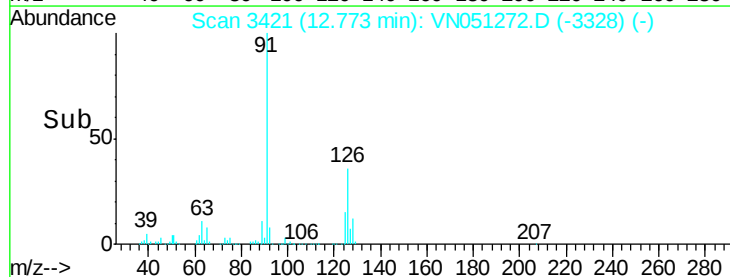
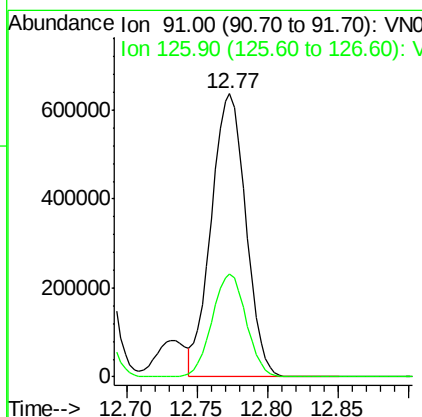
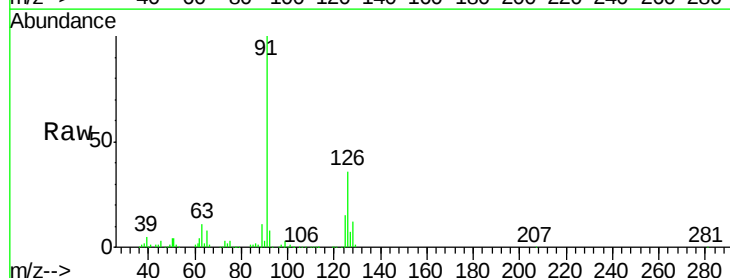
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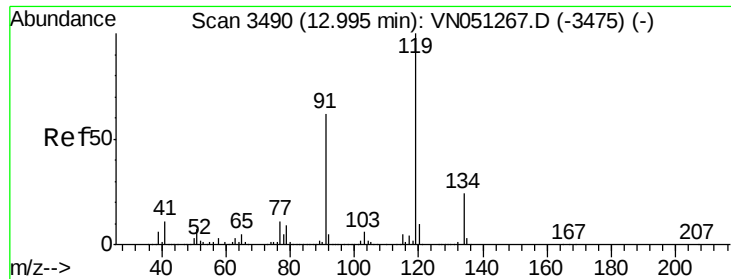
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#82
4-Chlorotoluene
Concen: 49.77 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.9	53.8





#83

tert-Butylbenzene

Concen: 49.77 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion:119 Resp: 1169956

Ion Ratio Lower Upper

119 100

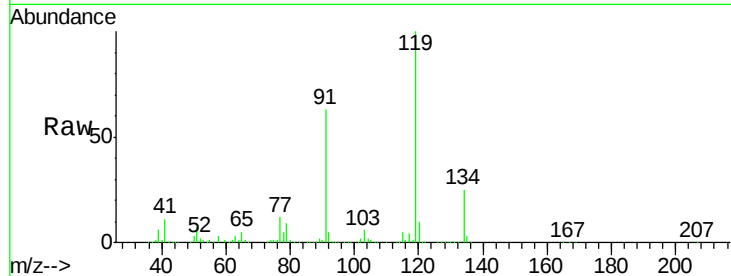
91 61.4 30.8 92.4

134 24.8 12.4 37.0

Manual Integrations
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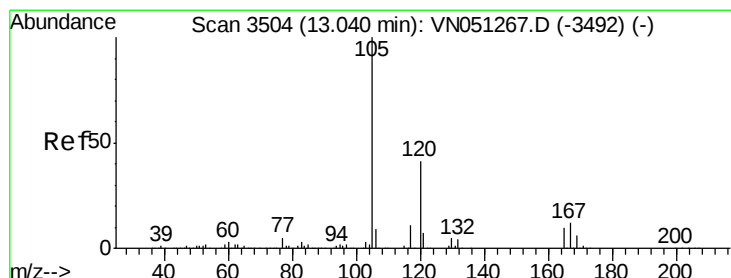
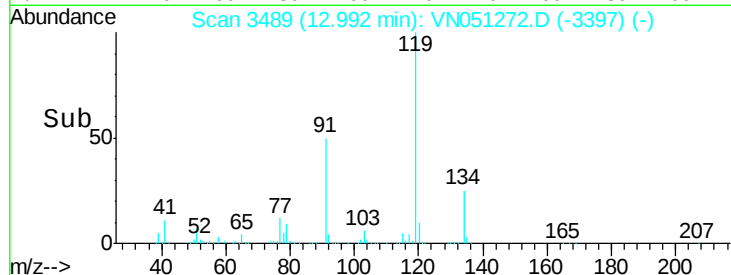
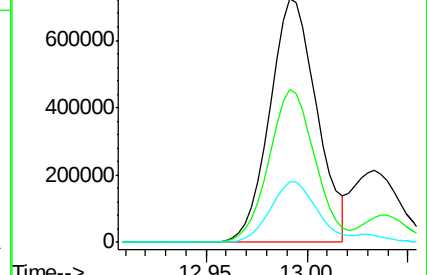
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.41 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051272.D

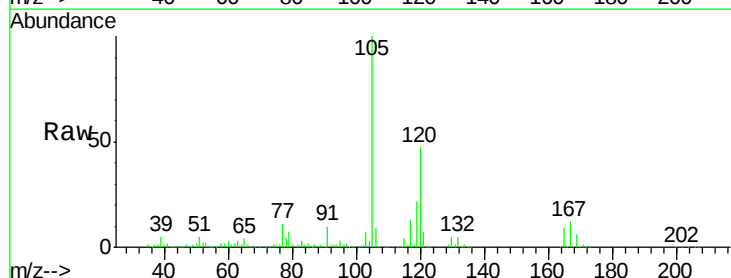
Acq: 17 Sep 2018 13:54

Tgt Ion:105 Resp: 1353964

Ion Ratio Lower Upper

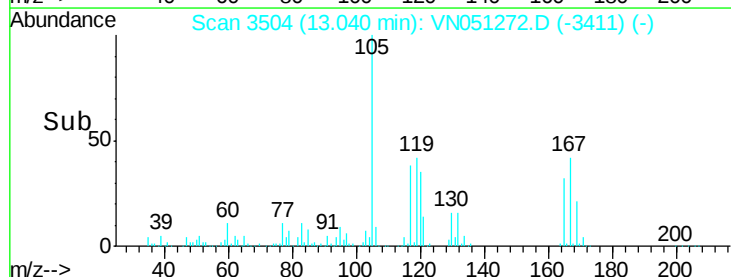
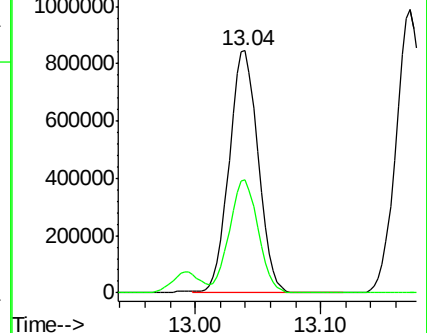
105 100

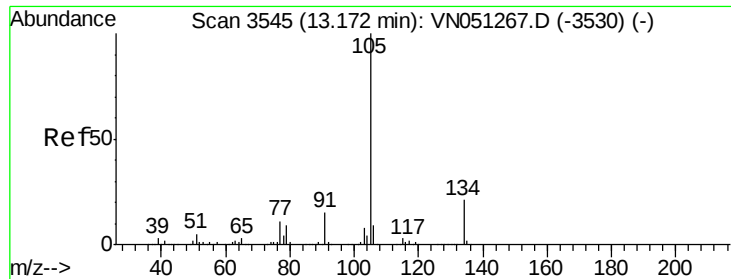
120 46.5 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.31 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

ClientSampleId :

ICVVN091718

Tot Ion:105 Resp: 1531822

Ion Ratio Lower Upper

105 100

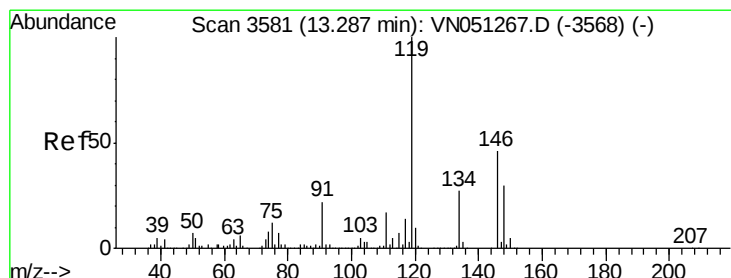
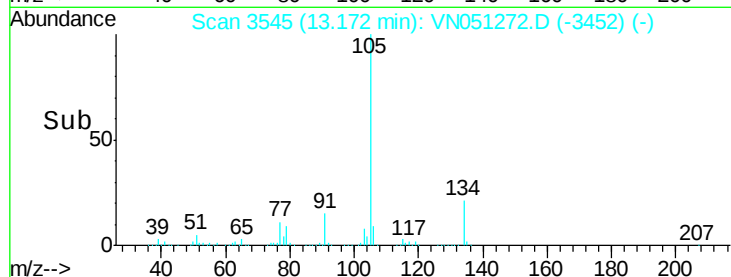
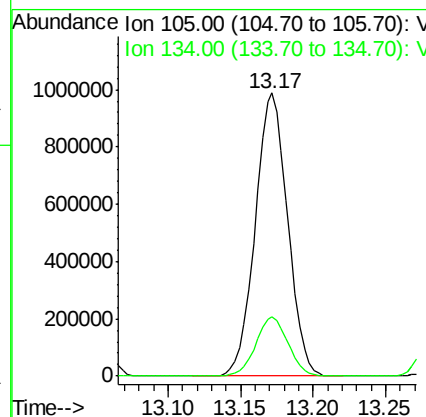
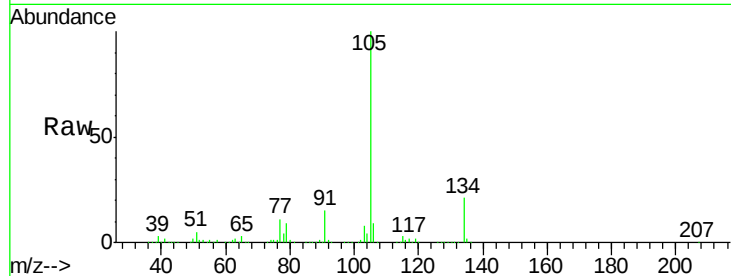
134 21.0 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.46 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

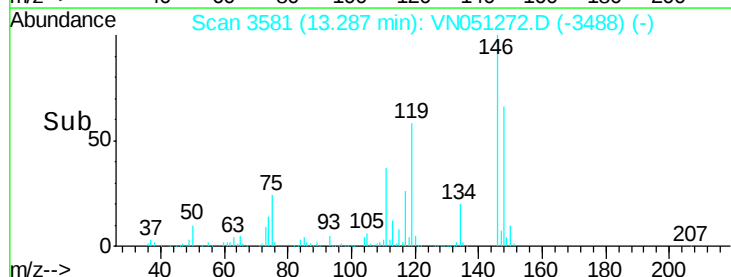
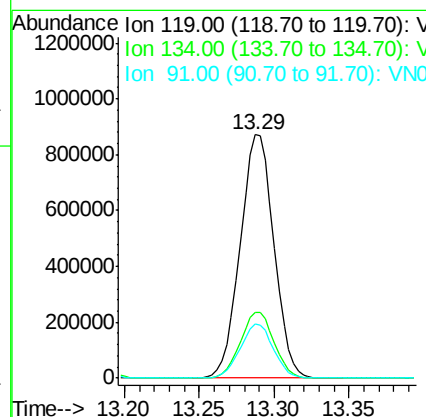
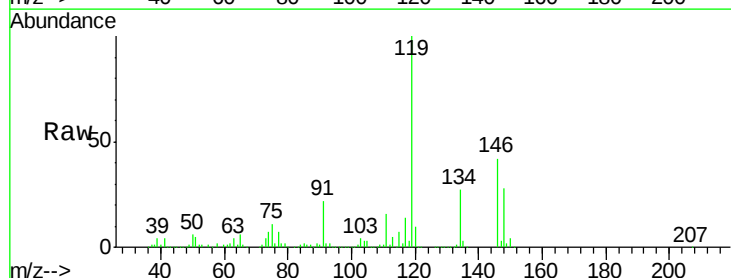
Tgt Ion:119 Resp: 1363166

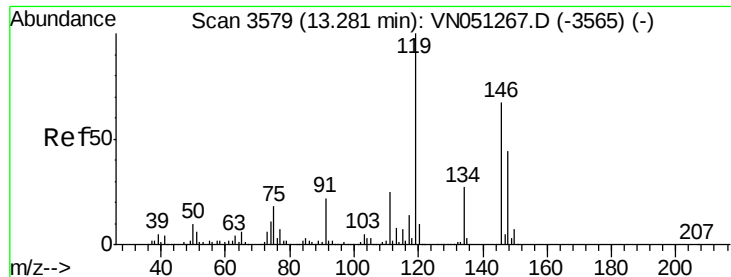
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

91 21.7 11.1 33.1





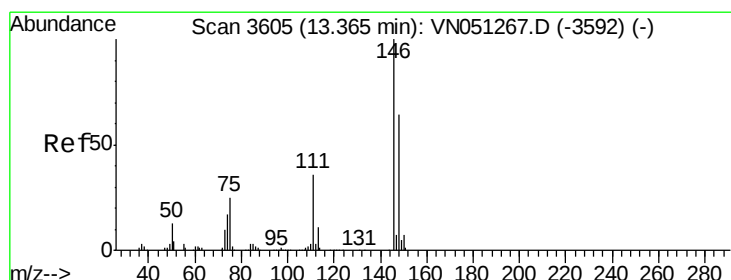
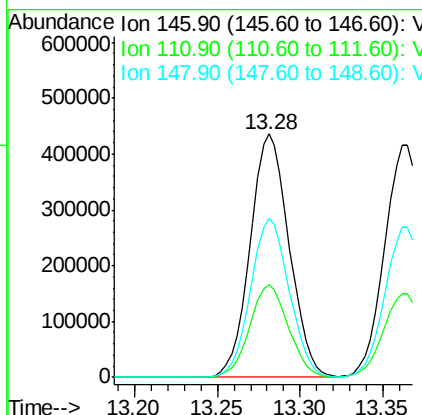
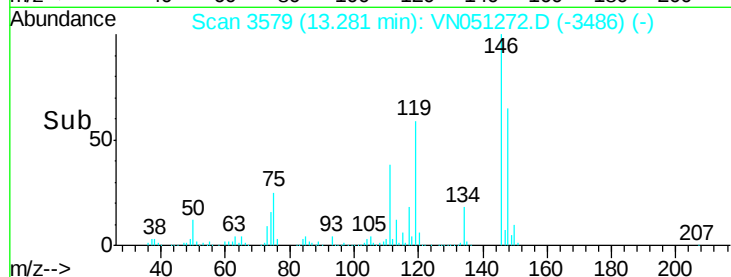
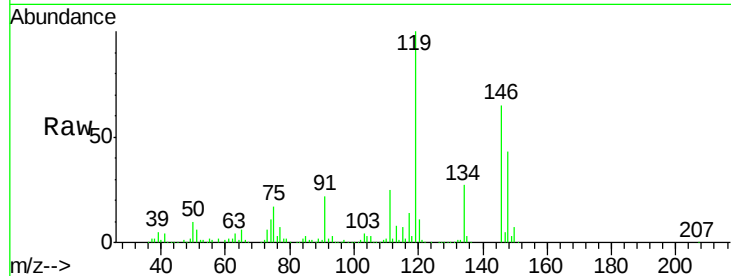
#87
 1,3-Dichlorobenzene
 Concen: 48.37 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.9	32.2	96.6

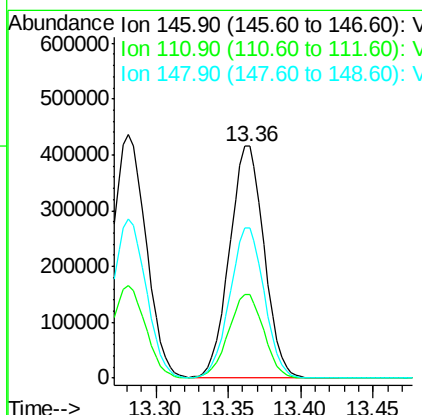
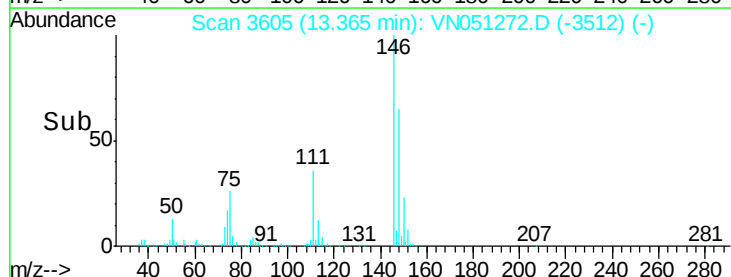
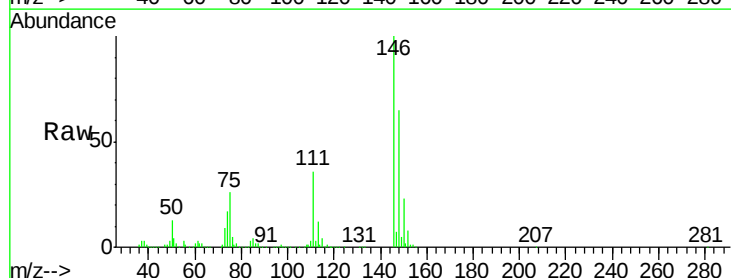
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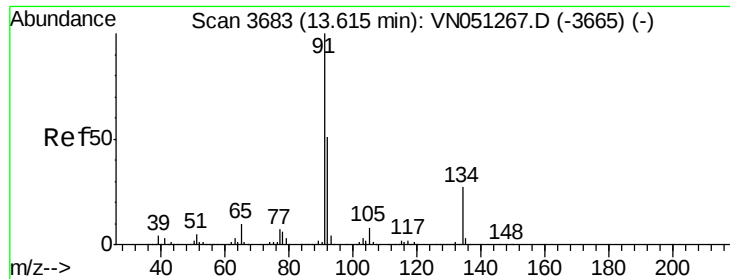
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#88
 1,4-Dichlorobenzene
 Concen: 49.33 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.2	54.6
148	64.8	31.9	95.7





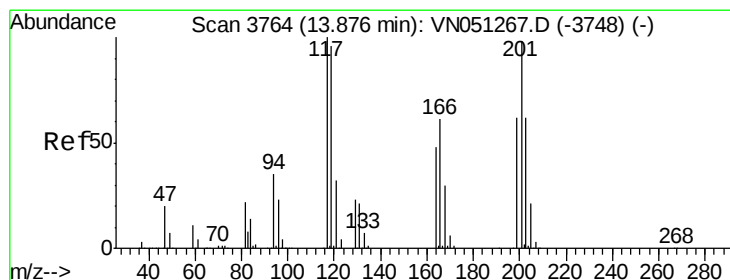
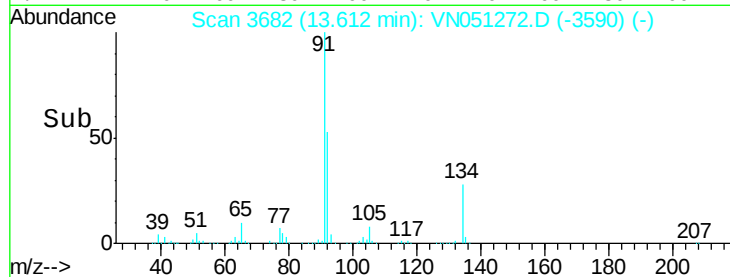
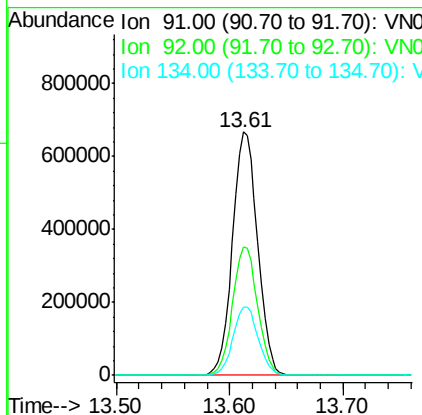
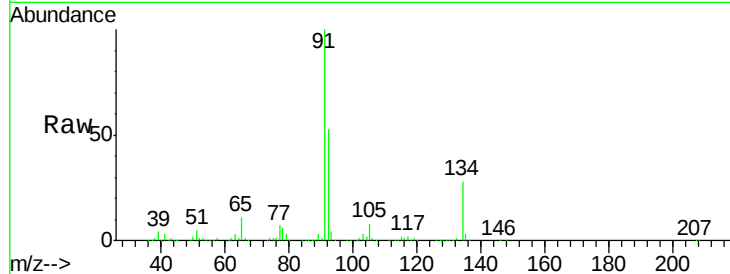
#89
n-Butylbenzene
Concen: 50.09 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Instrument :
MSVOA_N
ClientSampleId :
ICVVN091718

Tot Ion: 91 Resp: 1029873
Ion Ratio Lower Upper
91 100
92 52.5 25.8 77.4
134 28.2 13.7 41.0

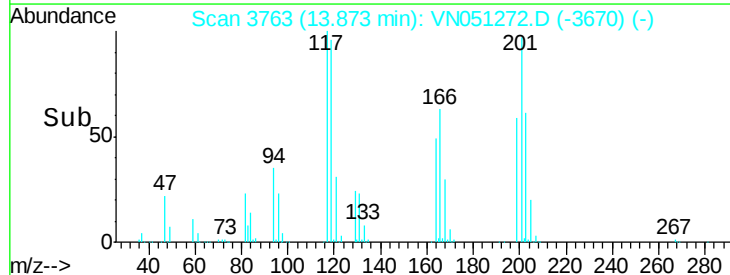
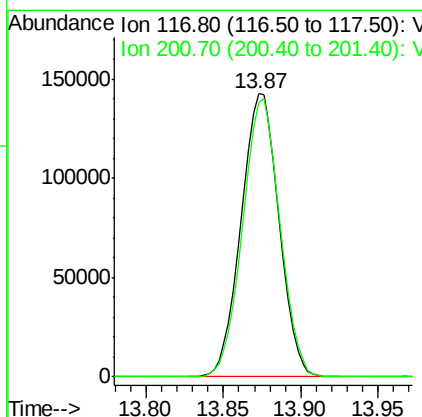
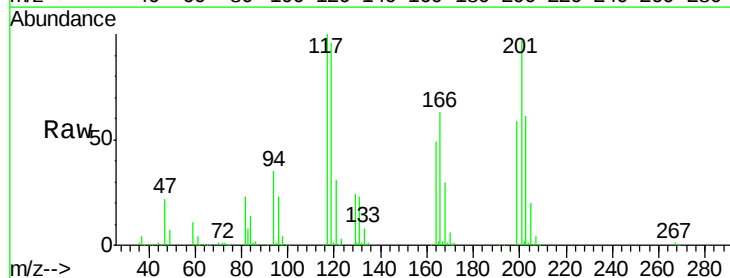
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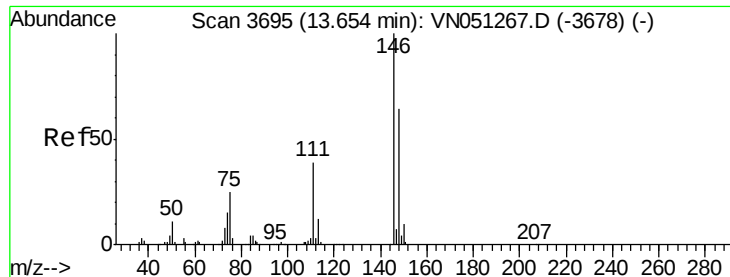
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#90
Hexachloroethane
Concen: 49.81 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051272.D
Acq: 17 Sep 2018 13:54

Tgt Ion: 117 Resp: 243301
Ion Ratio Lower Upper
117 100
201 96.7 48.4 145.3





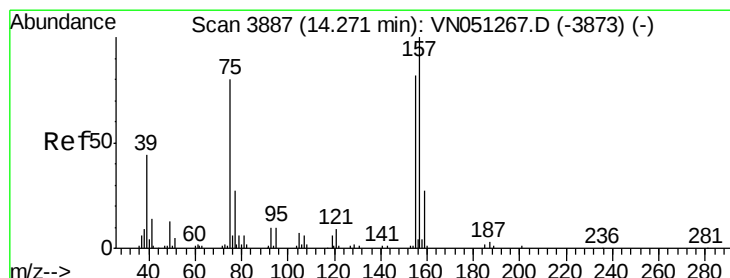
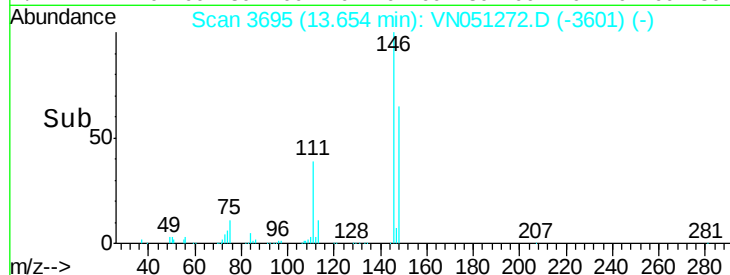
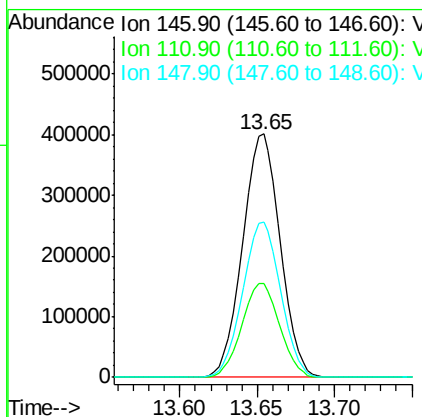
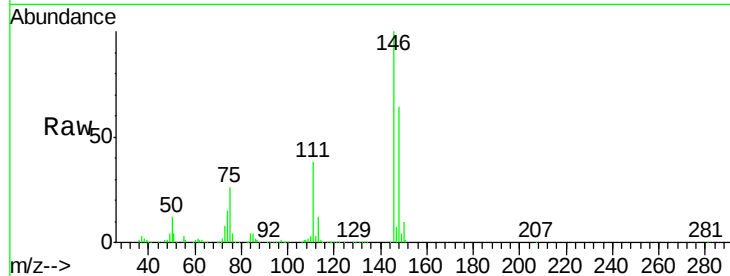
#91
 1,2-Dichlorobenzene
 Concen: 50.04 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.6	58.7
148	64.3	31.9	95.9

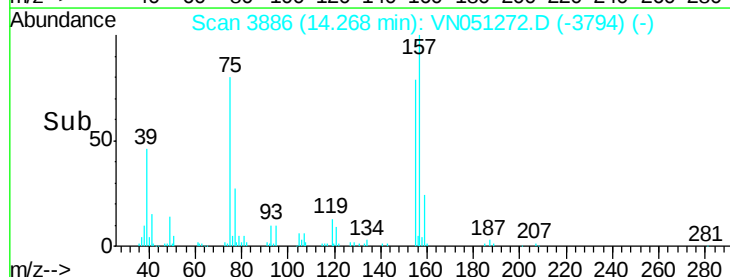
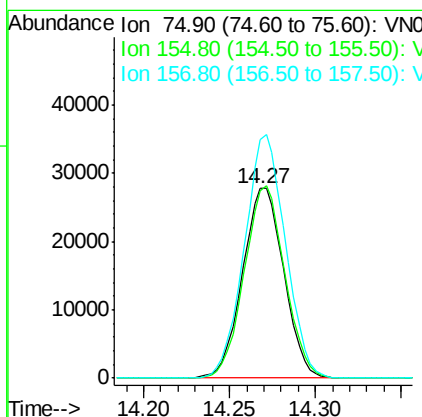
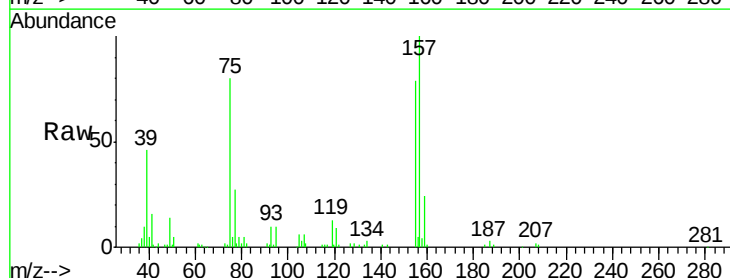
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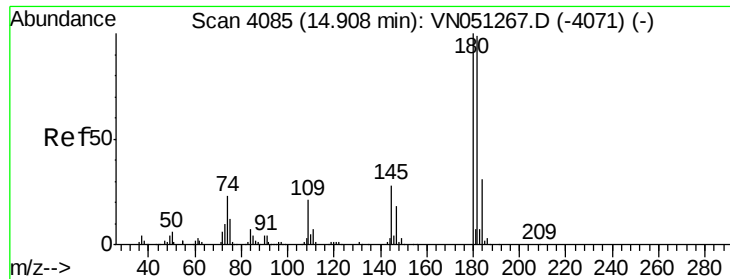
MMDadoda
 9/19/2018 4:57:53 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.62 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	50.2	150.7
157	127.6	62.9	188.7





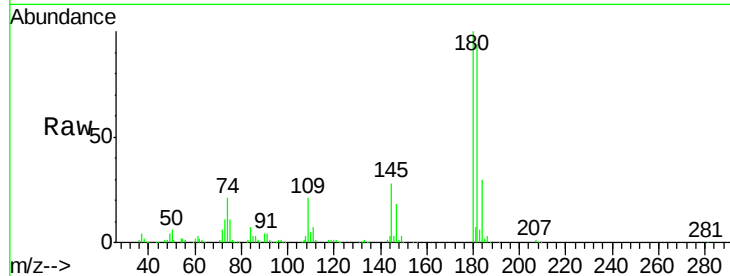
#93
 1,2,4-Trichlorobenzene
 Concen: 45.25 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN091718

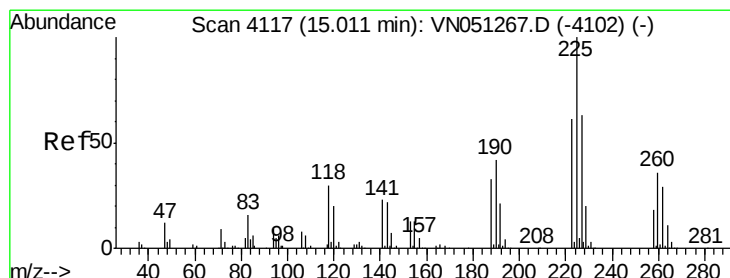
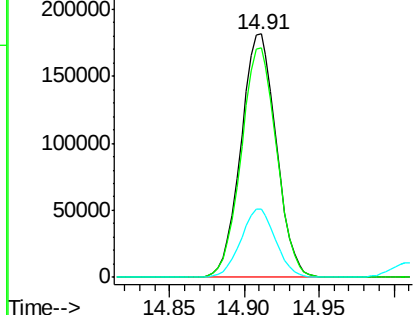
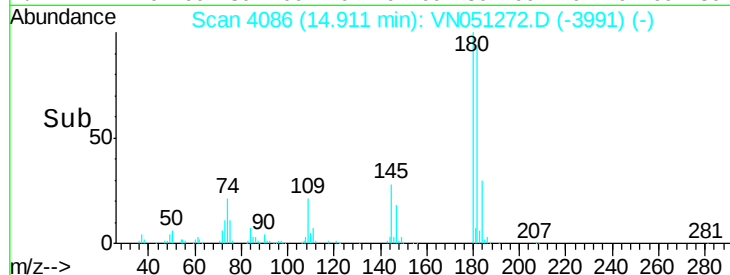
Tot Ion	Ratio	Resp	Lower	Upper
180	100	297627		
182	94.6	48.5	145.6	
145	27.8	14.0	41.9	

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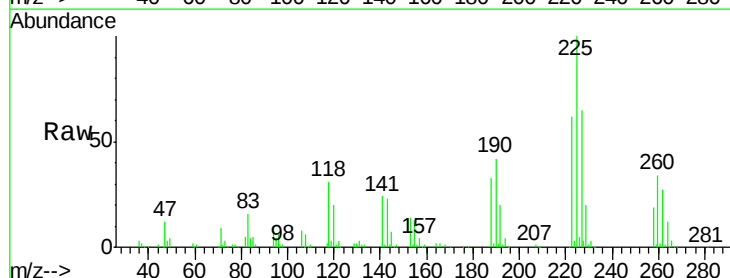


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

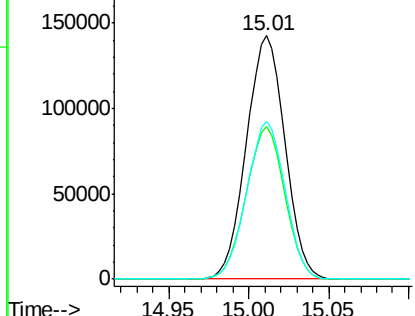
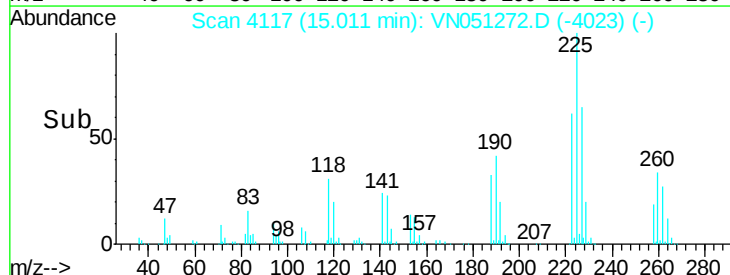


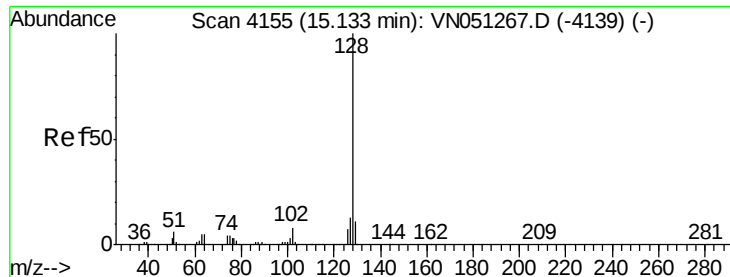
#94
 Hexachlorobutadiene
 Concen: 52.23 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051272.D
 Acq: 17 Sep 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	235053		
223	62.7	30.8	92.3	
227	64.5	32.1	96.3	



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





#95

Naphthalene

Concen: 42.53 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Instrument :

MSVOA_N

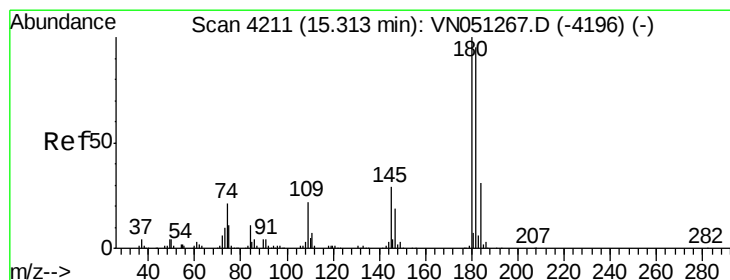
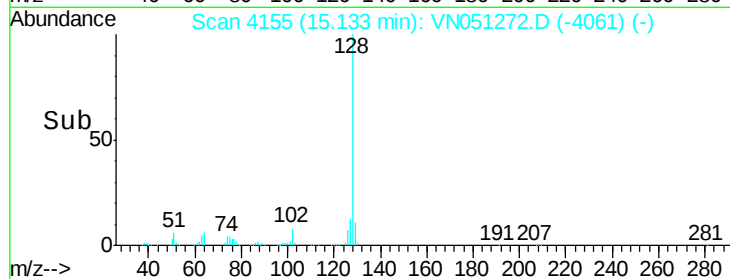
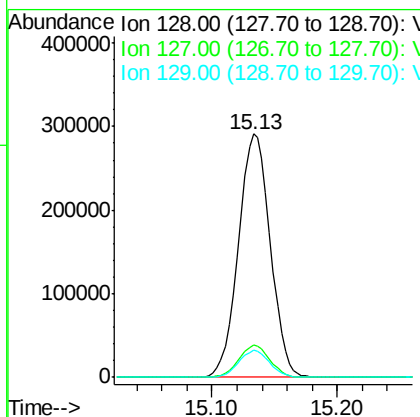
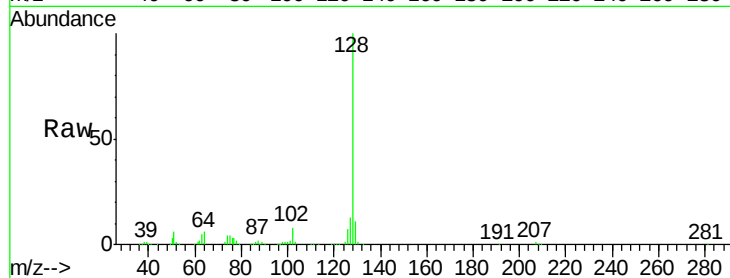
ClientSampleId :

ICVVN091718

Tot Ion:	128	Resp:	512747
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	10.9	8.9	13.3

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#96

1,2,3-Trichlorobenzene

Concen: 45.97 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051272.D

Acq: 17 Sep 2018 13:54

Tgt Ion:	180	Resp:	287364
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.5	142.6
145	29.4	14.8	44.4

