

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052211.D
 Acq On : 7 Nov 2018 16:58
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 10:39:46 AM

Quant Time: Nov 08 07:26:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	66470	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	387389	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	342905	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	141196	28.62	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.40%
60) 4-Bromofluorobenzene	12.40	95	151541	27.63	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.10%
63) Toluene-d8	10.09	98	472682	29.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	95571	21.528	ug/l 100
3) Chloromethane	2.06	50	102623	20.226	ug/l 96
4) Vinyl Chloride	2.19	62	96381	19.364	ug/l 97
5) Bromomethane	2.58	94	66246	19.499	ug/l 97
6) Chloroethane	2.71	64	57190	17.970	ug/l 98
7) Trichlorofluoromethane	3.02	101	133152	19.755	ug/l 96
8) Diethyl Ether	3.42	74	46411	20.393	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	79684m	20.227	ug/l
10) 1,1-Dichloroethene	3.74	96	73780	20.072	ug/l 89
11) Methyl Iodide	3.96	142	104816	19.722	ug/l 99
12) Methyl Acetate	4.33	43	60650	19.603	ug/l 97
13) Acrolein	3.61	56	29524	89.965	ug/l 93
14) Acrylonitrile	4.99	53	130023	94.764	ug/l # 86
15) Acetone	3.82	58	32691	100.811	ug/l 98
16) Carbon Disulfide	4.06	76	200209	18.446	ug/l 100
17) Allyl chloride	4.33	41	118669	19.014	ug/l 98
18) Methylene Chloride	4.55	84	82911	18.274	ug/l 90
19) trans-1,2-Dichloroethene	5.05	96	80761	20.052	ug/l 91
20) Diisopropyl ether	5.95	45	265870	19.604	ug/l 97
21) 1,1-Dichloroethane	5.85	63	151966	19.174	ug/l 97
22) cis-1,2-Dichloroethene	6.84	96	92693	19.709	ug/l 97
23) tert-Butyl Alcohol	4.78	59	22963	107.415	ug/l # 99
24) Methyl tert-Butyl Ether	5.05	73	196803m	18.885	ug/l
25) Chloroform	7.37	83	152528	19.166	ug/l 94
26) Cyclohexane	7.66	56	136172	19.166	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	115891	18.843	ug/l 97
30) 2-Butanone	6.84	43	155058	94.669	ug/l # 71
31) 2,2-Dichloropropane	6.83	77	116743	18.427	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	128075	18.611	ug/l 96
33) Carbon Tetrachloride	7.78	117	114096	18.643	ug/l 99
34) Benzene	8.04	78	342930	19.043	ug/l 98
35) Methacrylonitrile	7.20	41	60248m	26.818	ug/l
36) 1,2-Dichloroethane	8.13	62	108885	18.084	ug/l 98
37) Trichloroethene	8.84	130	88692	19.677	ug/l 85
38) Methylcyclohexane	9.08	83	137998	18.393	ug/l 98
39) 1,2-Dichloropropane	9.12	63	92022	19.196	ug/l 96
40) Dibromomethane	9.21	93	55145	18.663	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	112018	18.528	ug/l	100
42) Vinyl Acetate	5.90	43	907489	94.643	ug/l	100
43) Ethyl Acetate	6.84	43	234008m	28.429	ug/l	
44) Isopropyl Acetate	8.17	43	132478	19.439	ug/l #	83
45) 1,4-Dioxane	9.20	88	11907	382.990	ug/l #	81
46) Methyl methacrylate	9.20	41	66520	19.609	ug/l	96
47) n-amyl Acetate	12.07	43	111457	18.042	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	108088	18.005	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	130289	18.803	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	74221	18.996	ug/l	98
51) Ethyl methacrylate	10.43	69	93085	18.433	ug/l	96
52) 1,3-Dichloropropane	10.71	76	128221	18.839	ug/l	99
53) Dibromochloromethane	10.90	129	79029	18.735	ug/l	100
54) 1,2-Dibromoethane	11.01	107	73945	18.663	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	263887	95.430	ug/l	99
56) Bromoform	12.13	173	45145	18.530	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	356132	96.922	ug/l	99
59) 2-Hexanone	10.75	43	240537	95.076	ug/l	99
61) Tetrachloroethene	10.63	164	75364	20.209	ug/l	96
62) Toluene	10.16	91	368742	19.156	ug/l	98
64) Chlorobenzene	11.44	112	231465	18.973	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	84255	20.291	ug/l	100
66) Ethyl Benzene	11.51	91	394527	18.974	ug/l	100
67) m/p-Xylenes	11.62	106	297434	37.156	ug/l	98
68) o-Xylene	11.95	106	145193	19.024	ug/l	96
69) Styrene	11.96	104	228045	18.542	ug/l	97
70) Isopropylbenzene	12.25	105	383536	18.720	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	87030	19.312	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	66094m	16.681	ug/l	
73) Bromobenzene	12.53	156	91680	20.195	ug/l	87
74) n-propylbenzene	12.59	91	432945	18.146	ug/l	97
75) 2-Chlorotoluene	12.67	91	250480	18.210	ug/l	96
76) 1,3,5-Trimethylbenzene	12.73	105	302402	18.407	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	21135	17.047	ug/l	97
78) 4-Chlorotoluene	12.77	91	251238	18.138	ug/l	98
79) tert-butylbenzene	12.99	119	270818	18.924	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	307533	18.790	ug/l	98
81) sec-Butylbenzene	13.17	105	364273	18.496	ug/l	98
82) p-Isopropyltoluene	13.29	119	311447	18.712	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	157576	19.623	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	151598	19.070	ug/l	96
85) n-Butylbenzene	13.62	91	255706	17.751	ug/l	99
86) Hexachloroethane	13.87	117	49763	17.717	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	154207	20.212	ug/l	94
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11379	18.466	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	65656	21.200	ug/l	98
90) Hexachlorobutadiene	15.01	225	38410	22.669	ug/l	99
91) Naphthalene	15.13	128	156907	21.981	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	63894	23.672	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

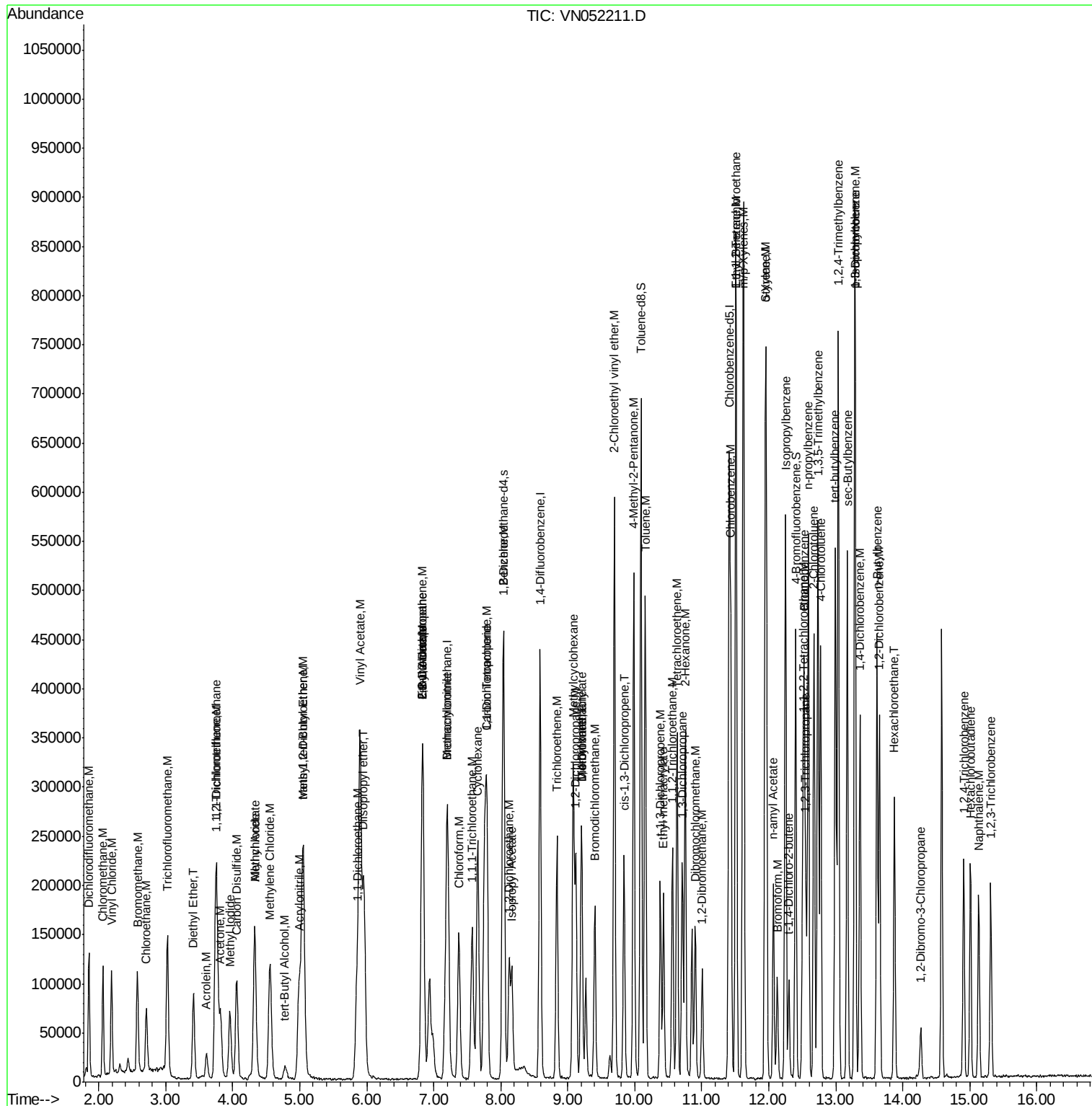
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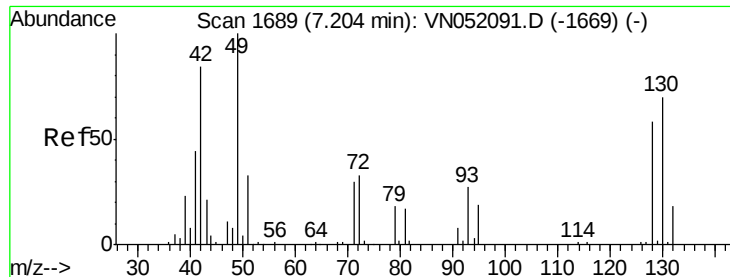
Instrument :
MSVOA_N
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VSTDCCC020EC

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:128 Resp: 66470

Ion Ratio Lower Upper

128 100

49 168.1 0.0 453.7

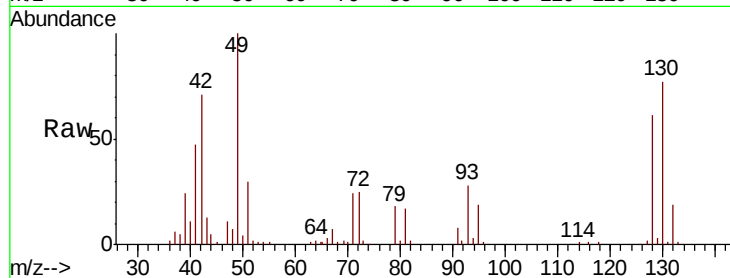
130 128.5 0.0 308.8

Manual Integrations

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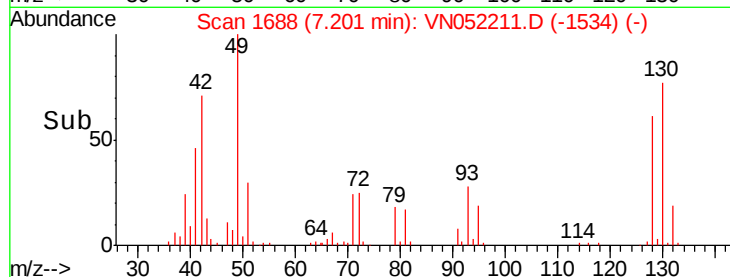
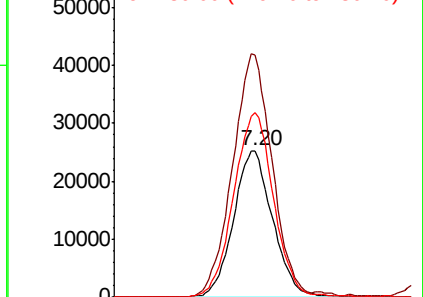
11/9/2018 10:39:46 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.528 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052211.D

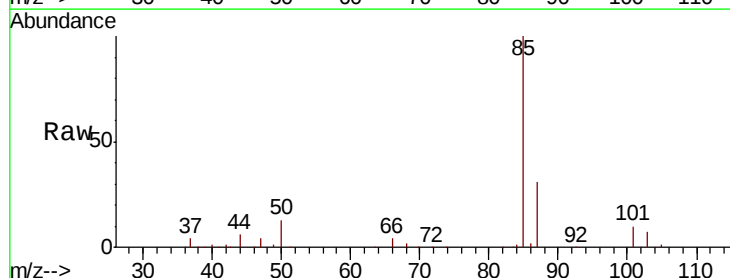
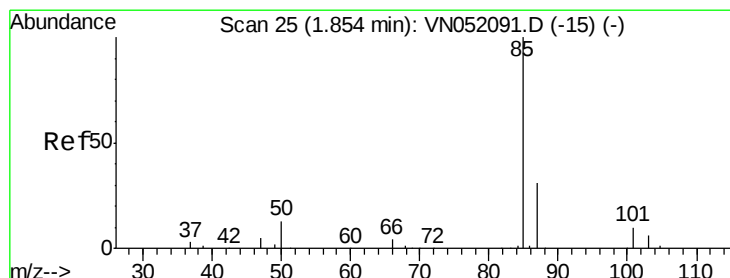
Acq: 7 Nov 2018 16:58

Tgt Ion: 85 Resp: 95571

Ion Ratio Lower Upper

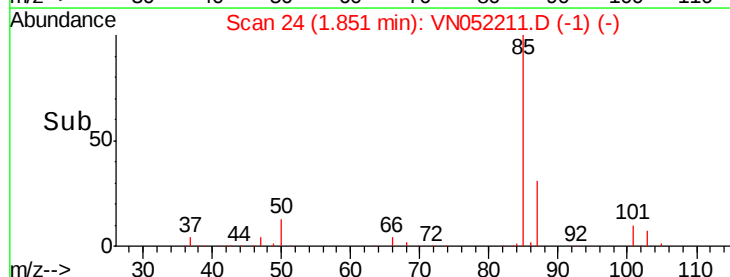
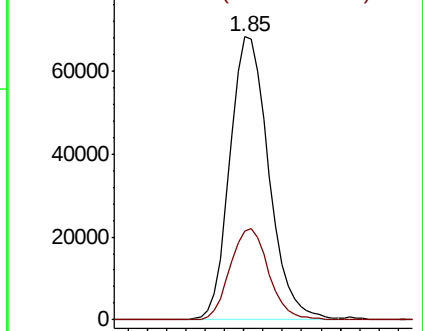
85 100

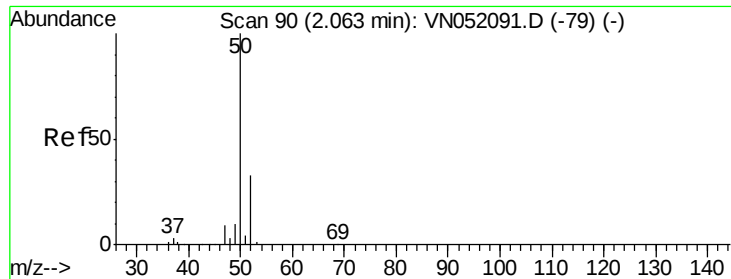
87 31.3 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.226 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 102623

Ion Ratio Lower Upper

50 100

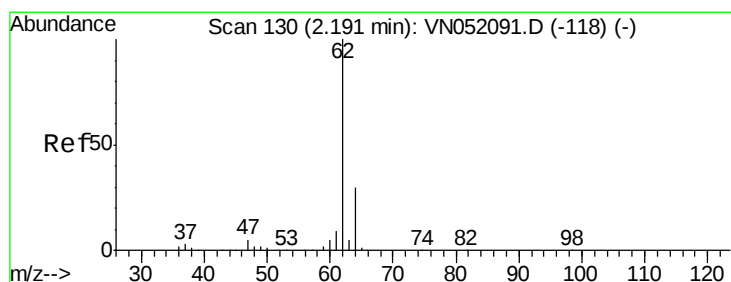
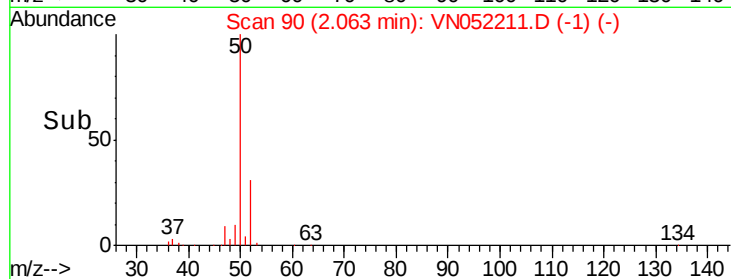
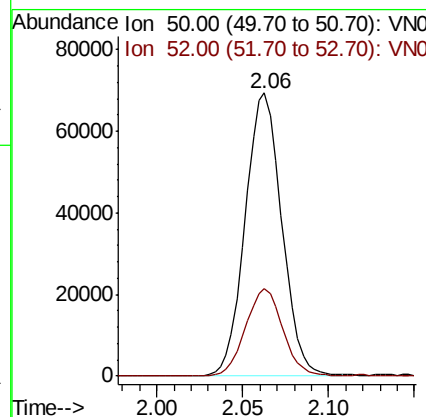
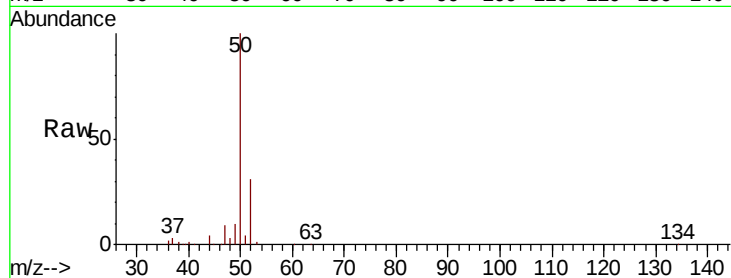
52 30.9 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.364 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052211.D

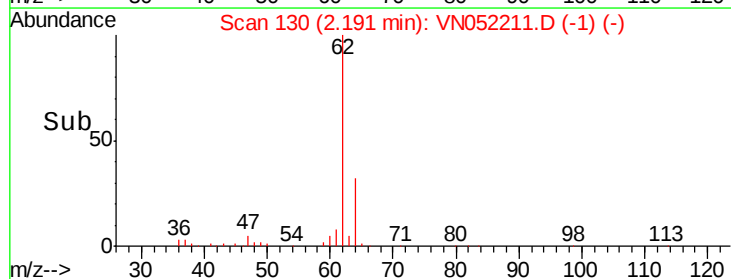
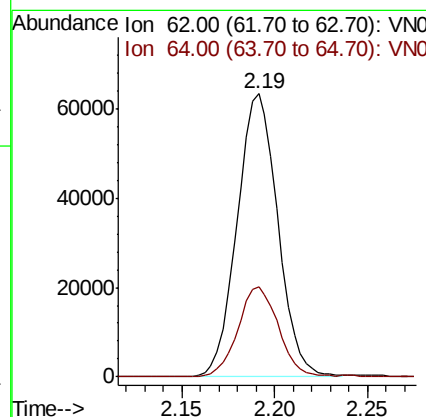
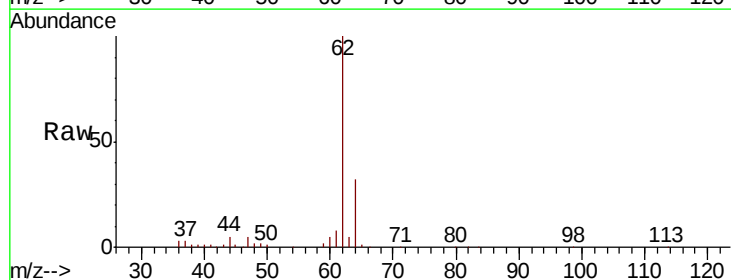
Acq: 7 Nov 2018 16:58

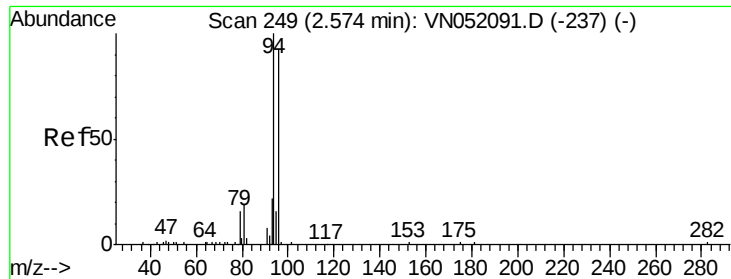
Tgt Ion: 62 Resp: 96381

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#5

Bromomethane

Concen: 19.499 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

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ClientSampleId :

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Tot Ion: 94 Resp: 66246

Ion Ratio Lower Upper

94 100

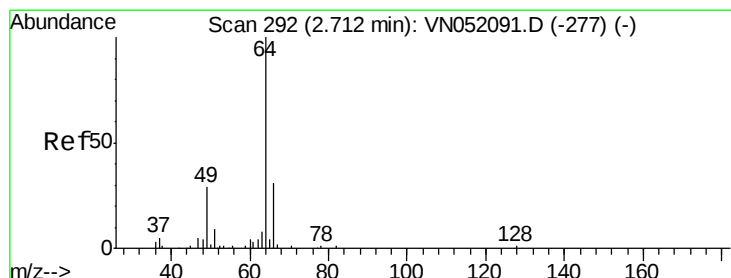
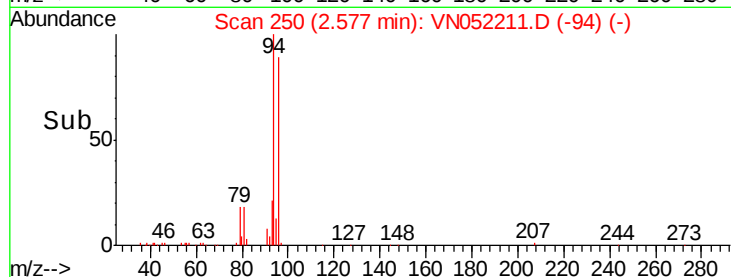
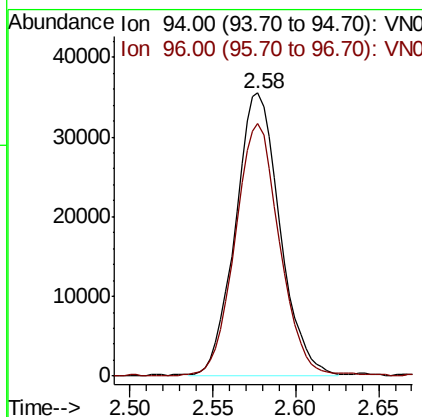
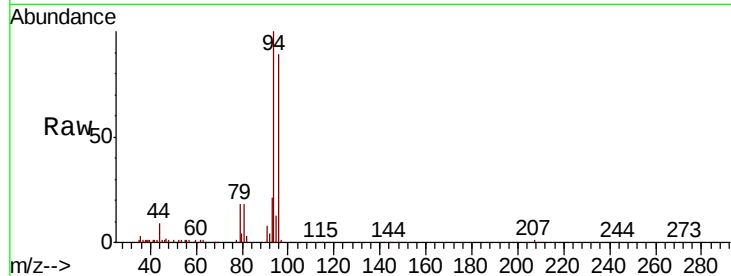
96 88.8 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 17.970 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052211.D

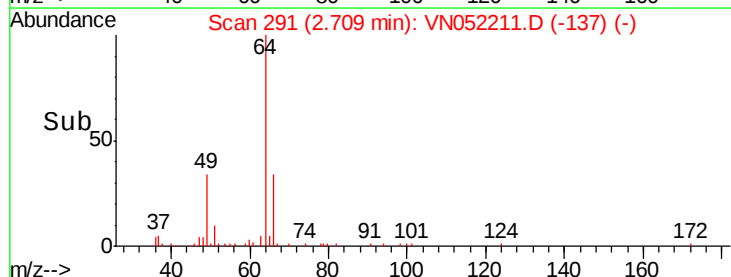
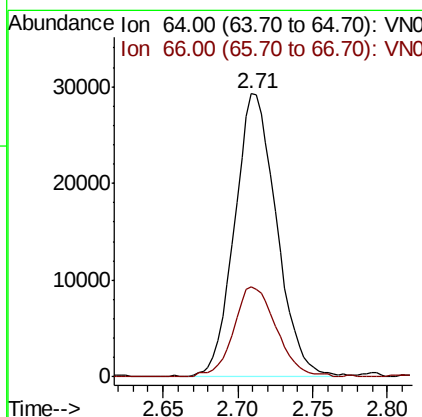
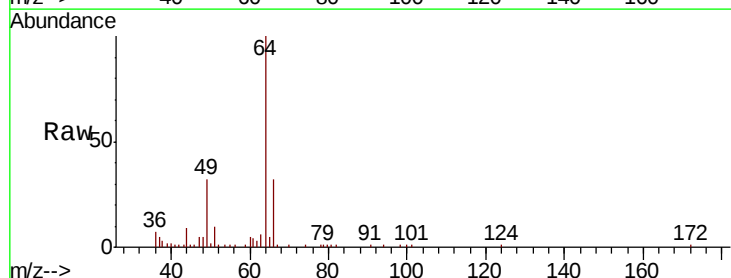
Acq: 7 Nov 2018 16:58

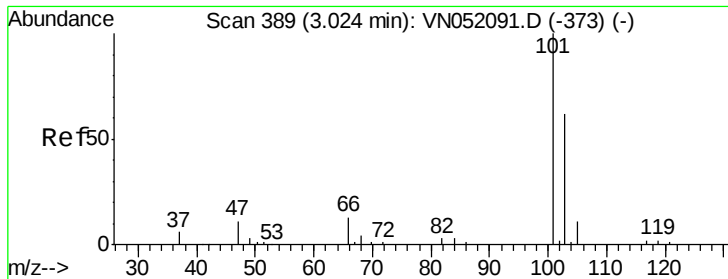
Tgt Ion: 64 Resp: 57190

Ion Ratio Lower Upper

64 100

66 31.8 24.7 37.1





#7

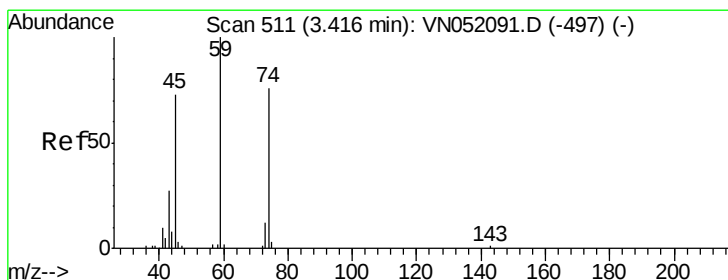
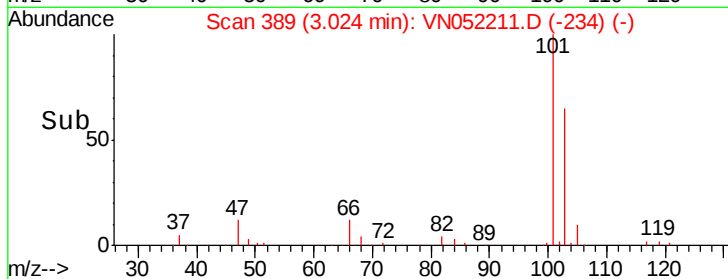
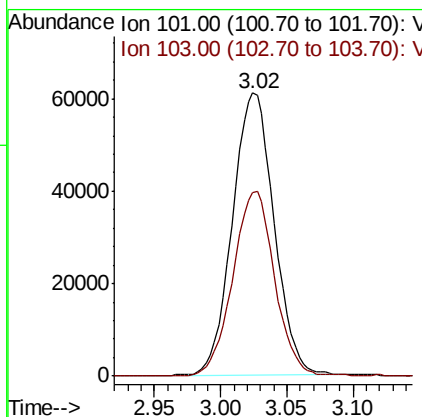
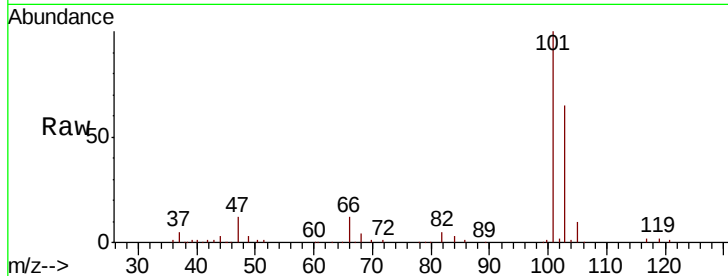
Trichlorofluoromethane
 Concen: 19.755 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.5	74.3

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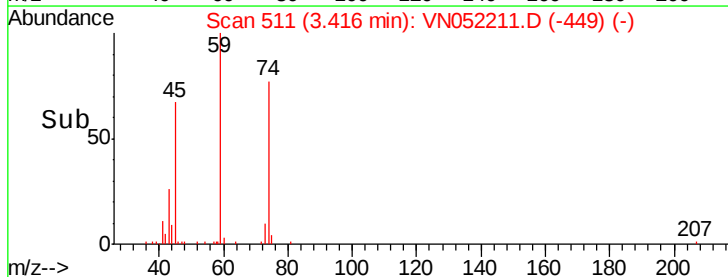
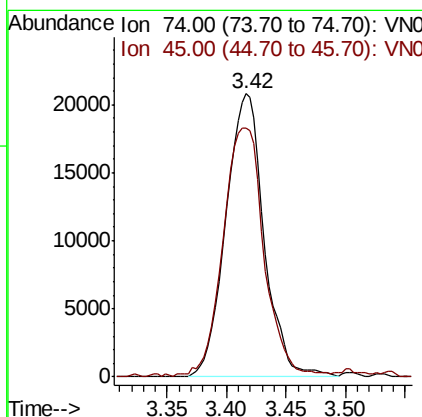
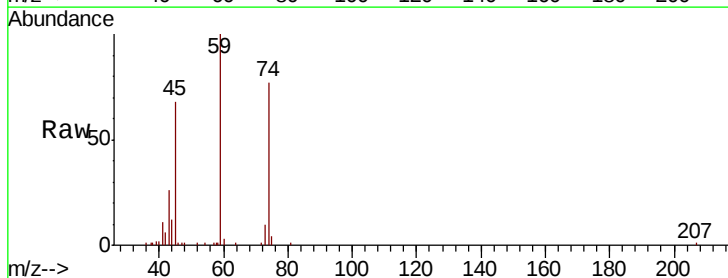
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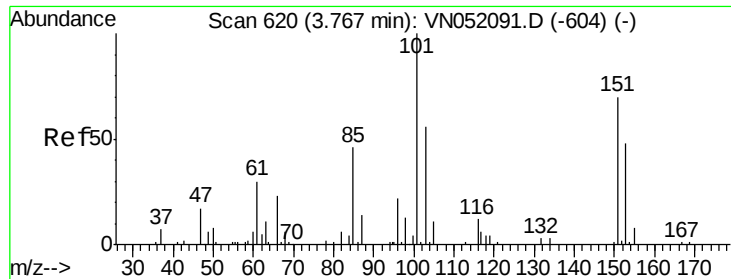


#8

Diethyl Ether
 Concen: 20.393 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VN052211.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	19.4	174.4





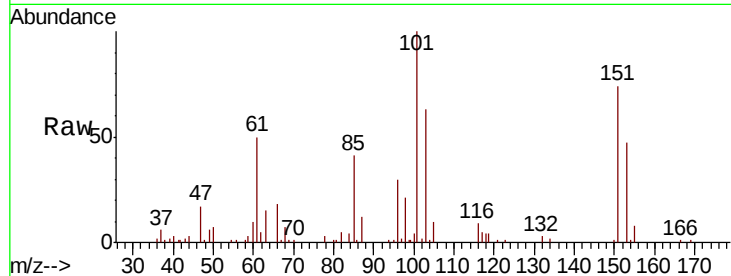
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.227 ug/l m
 RT: 3.77 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020EC

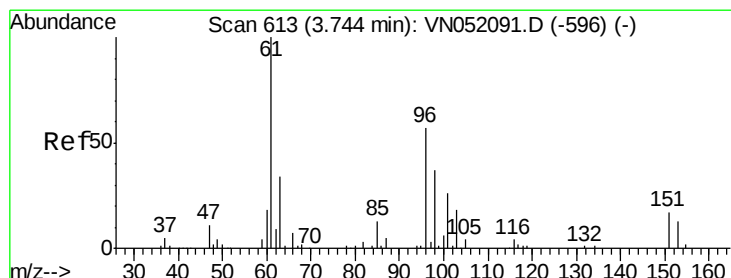
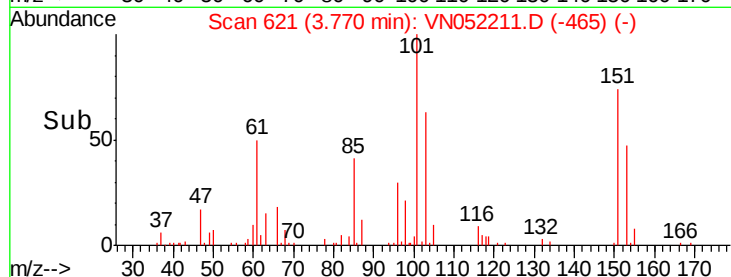
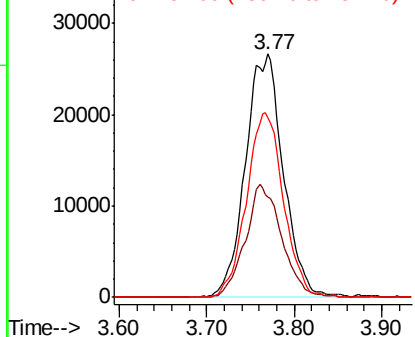
Tot Ion	Ratio	Resp	Lower	Upper
101	100	79684		
85	0.1	0.0	98.0	
151	0.2	0.0	139.6	

Manual Integrations
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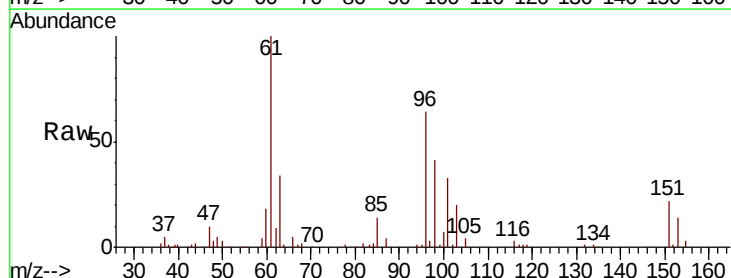


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

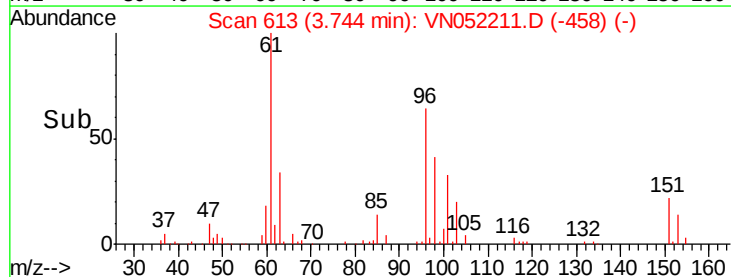
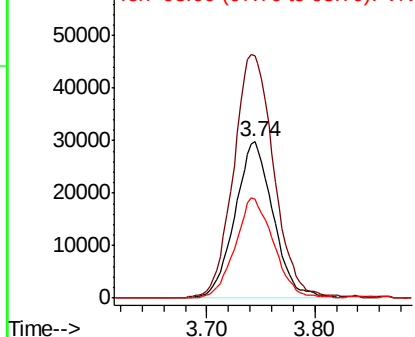


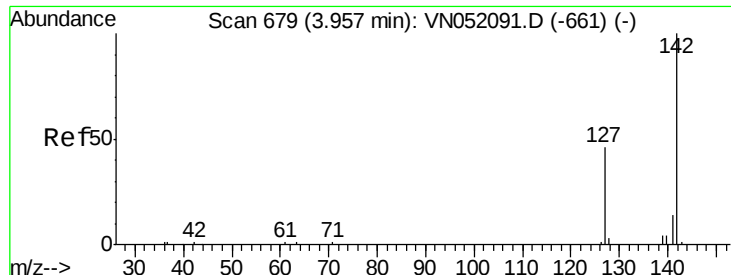
#10
 1,1-Dichloroethene
 Concen: 20.072 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	73780		
61	154.5	140.3	210.5	
98	63.4	52.0	78.0	



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





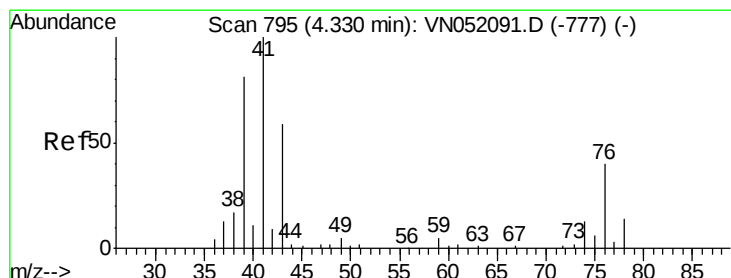
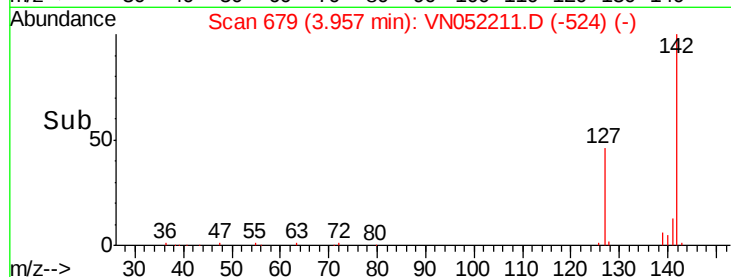
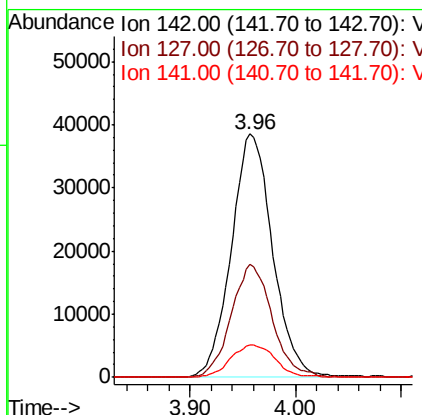
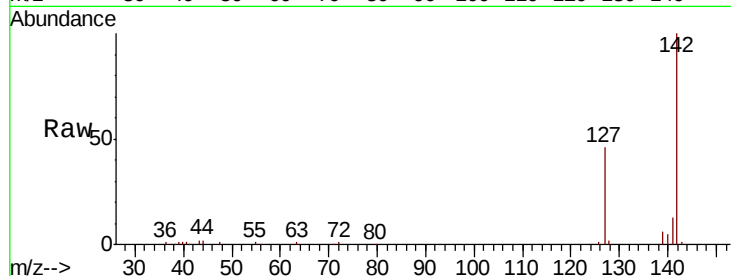
#11
Methyl Iodide
Concen: 19.722 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	23.1	69.2
141	13.1	7.0	20.9

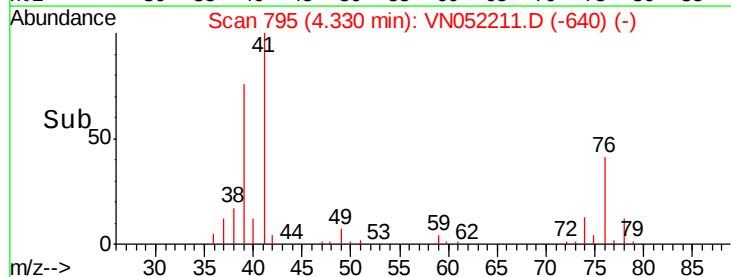
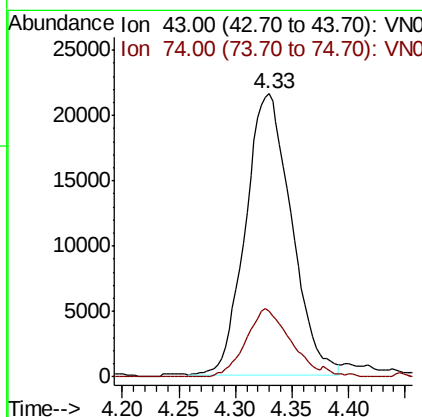
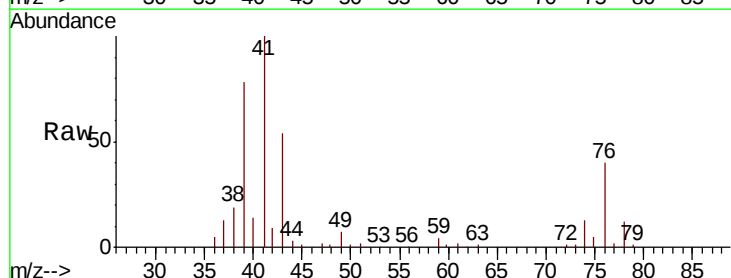
Manual Integrations
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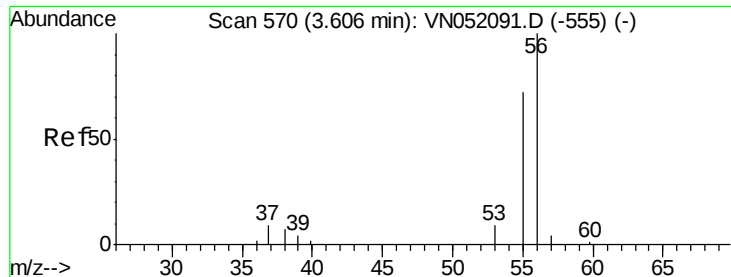
MMDadoda
11/9/2018 10:39:46 AM



#12
Methyl Acetate
Concen: 19.603 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.4	26.2





#13

Acrolein

Concen: 89.965 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 29524

Ion Ratio Lower Upper

56 100

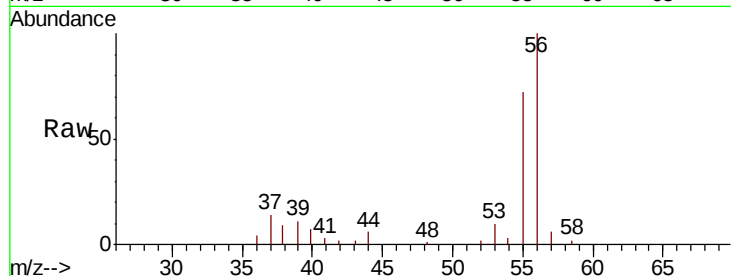
55 75.5 56.2 84.2

Manual Integrations

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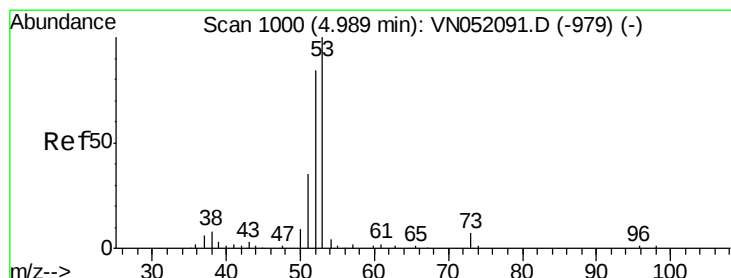
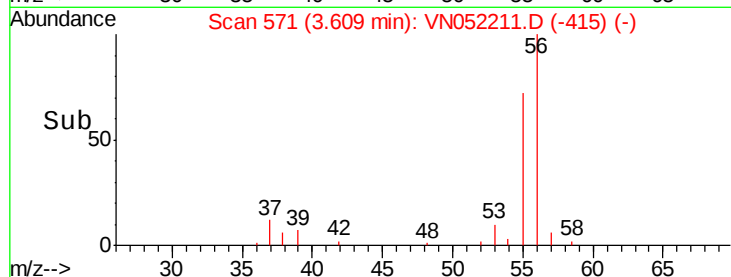
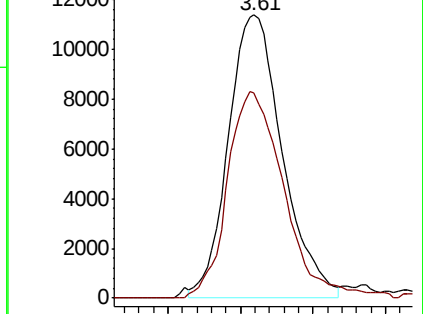
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN052091.D (-555) (-)

Ion 55.00 (54.70 to 55.70): VN052091.D (-555) (-)



#14

Acrylonitrile

Concen: 94.764 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

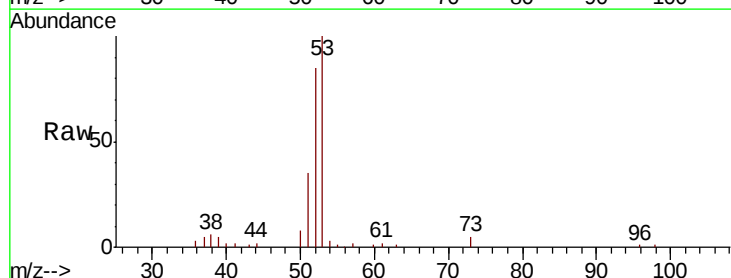
Tgt Ion: 53 Resp: 130023

Ion Ratio Lower Upper

53 100

52 79.3 41.3 124.1

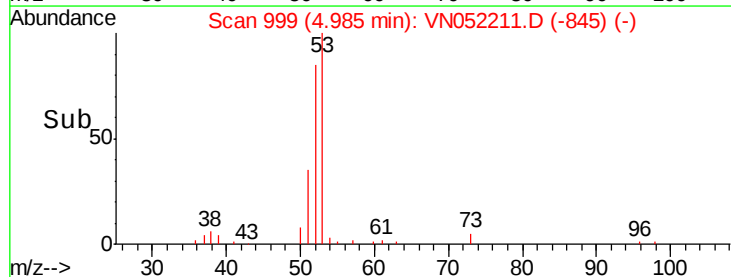
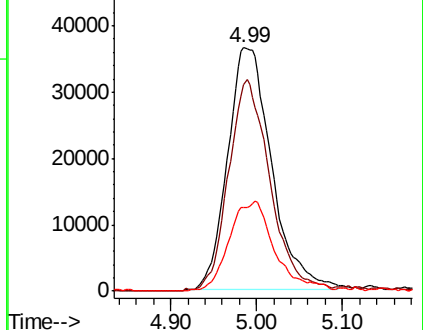
51 16.1 18.6 55.6#

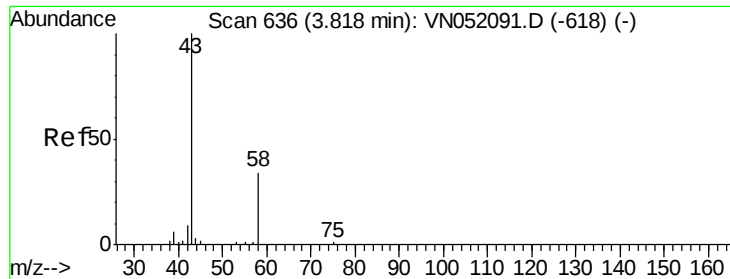


Abundance Ion 53.00 (52.70 to 53.70): VN052091.D (-979) (-)

Ion 52.00 (51.70 to 52.70): VN052091.D (-979) (-)

Ion 51.00 (50.70 to 51.70): VN052091.D (-979) (-)





#15

Acetone

Concen: 100.811 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 32691

Ion Ratio Lower Upper

58 100

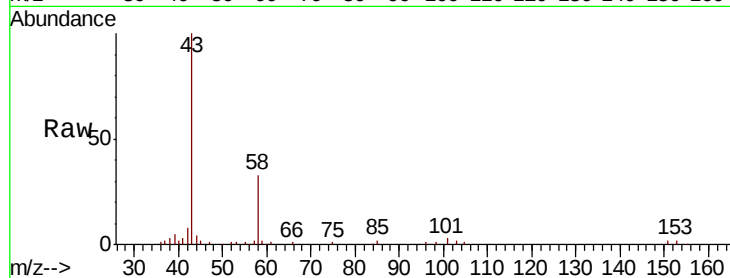
43 297.0 234.7 352.1

Manual Integrations

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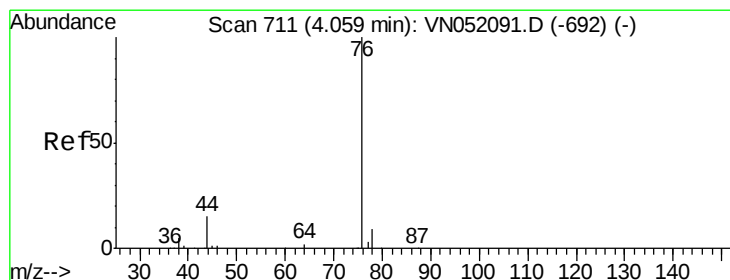
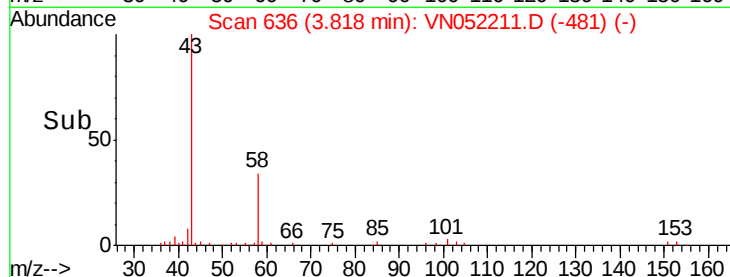
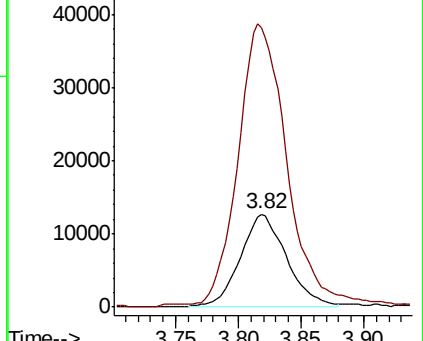
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Abundance Ion 58.00 (57.70 to 58.70): VN052091.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-618) (-)



#16

Carbon Disulfide

Concen: 18.446 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052211.D

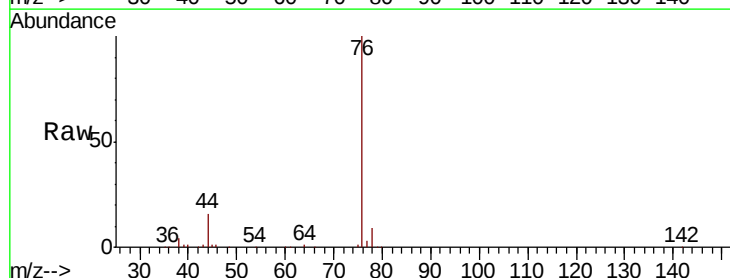
Acq: 7 Nov 2018 16:58

Tgt Ion: 76 Resp: 200209

Ion Ratio Lower Upper

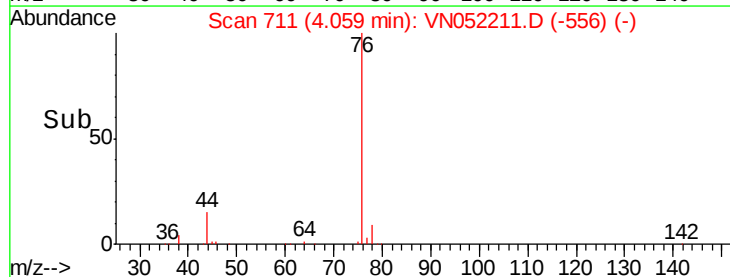
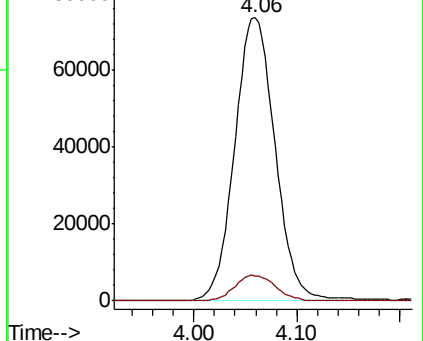
76 100

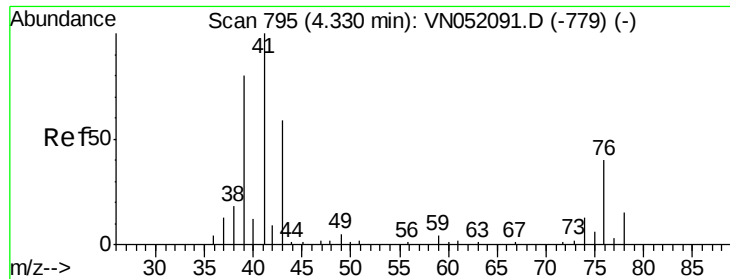
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-692) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-692) (-)





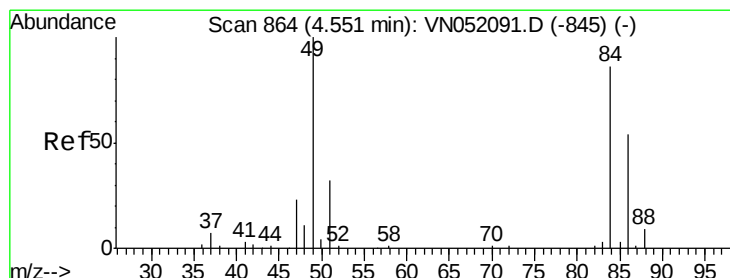
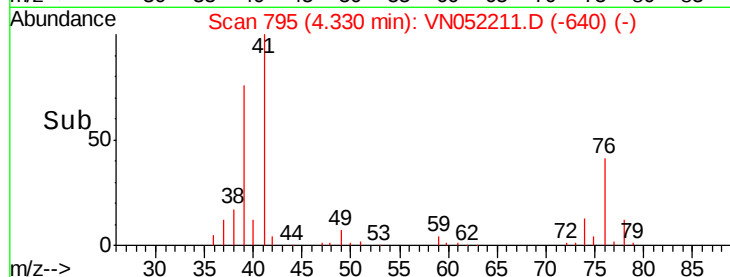
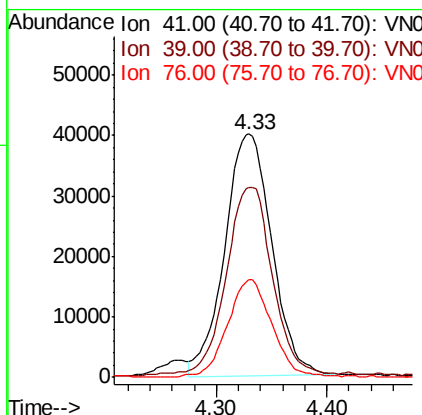
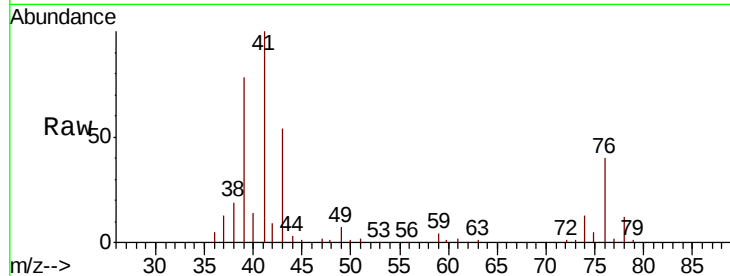
#17
Allvl chloride
Concen: 19.014 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.1	38.4	115.1
76	39.9	18.8	56.3

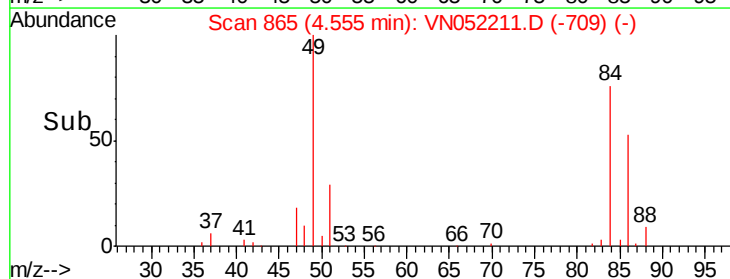
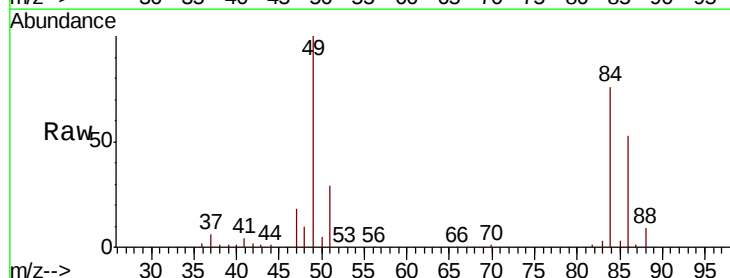
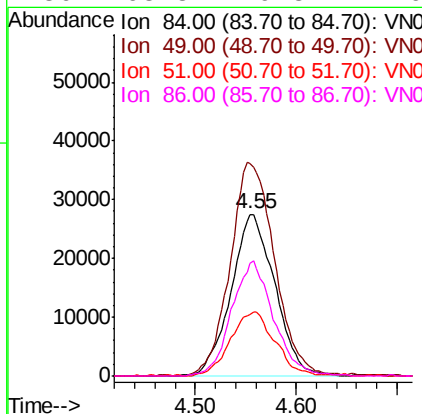
Manual Integrations
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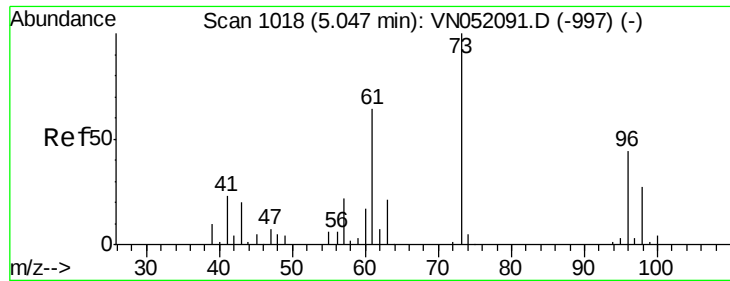
MMDadoda
11/9/2018 10:39:46 AM



#18
Methylene Chloride
Concen: 18.274 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.9	92.6	138.8
51	38.0	29.7	44.5
86	68.8	49.8	74.6





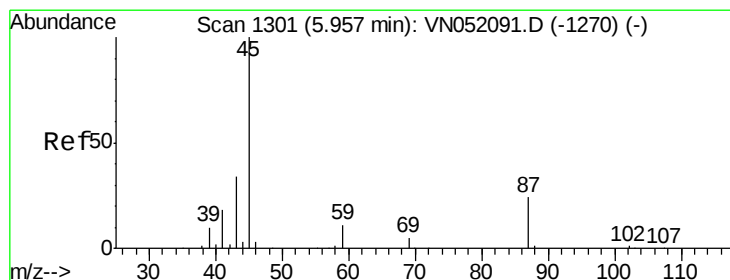
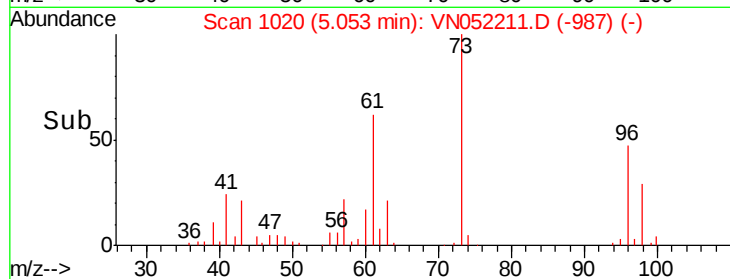
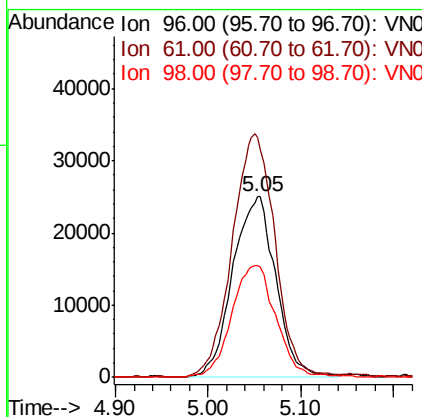
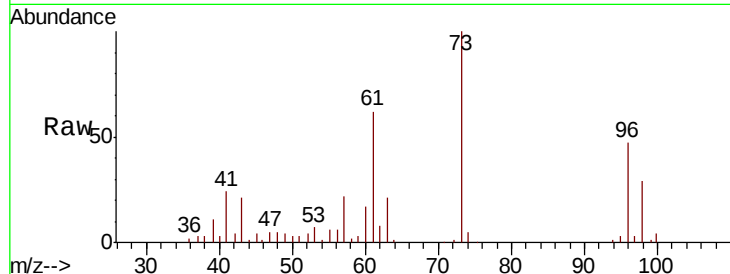
#19
trans-1,2-Dichloroethene
Concen: 20.052 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.4	117.8	176.6
98	61.1	49.3	73.9

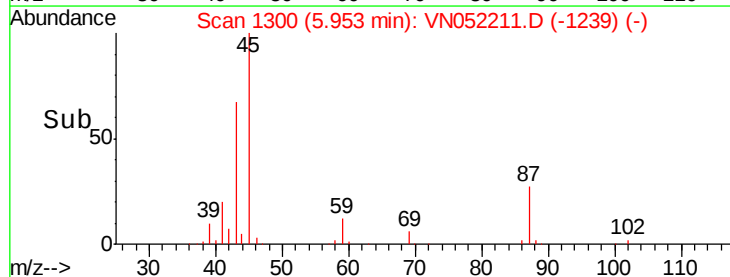
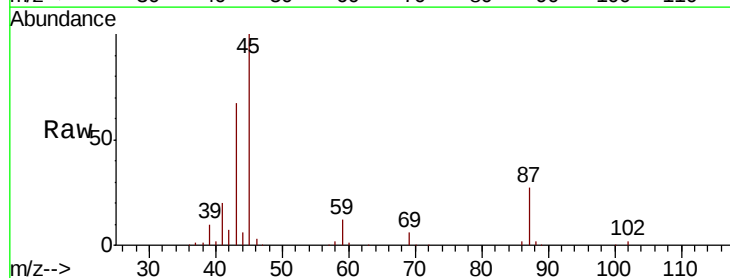
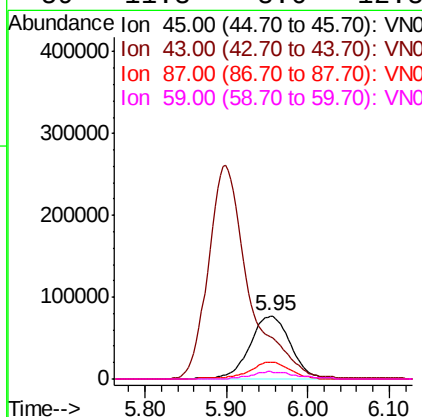
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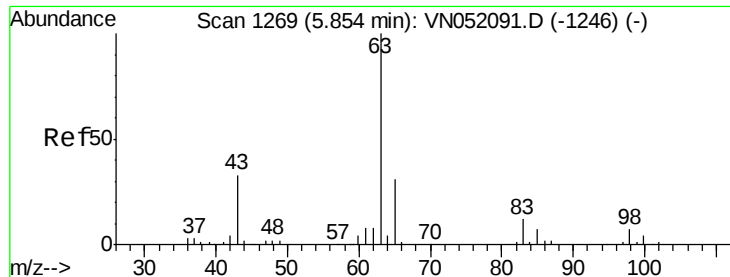
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#20
Diisopropyl ether
Concen: 19.604 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.4	49.4	74.0
87	26.7	20.3	30.5
59	11.3	8.6	12.8





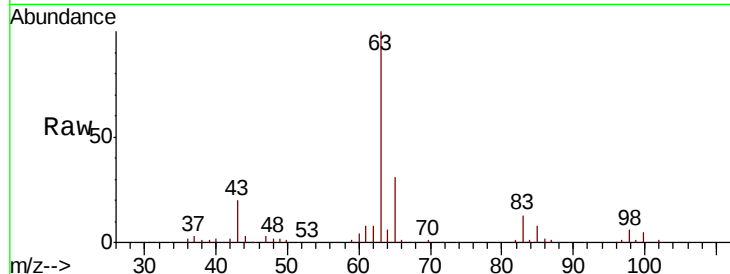
#21
 1,1-Dichloroethane
 Concen: 19.174 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

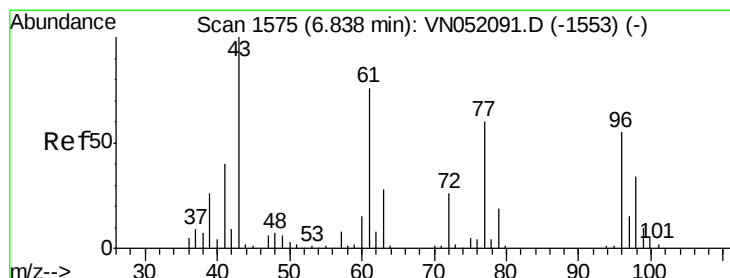
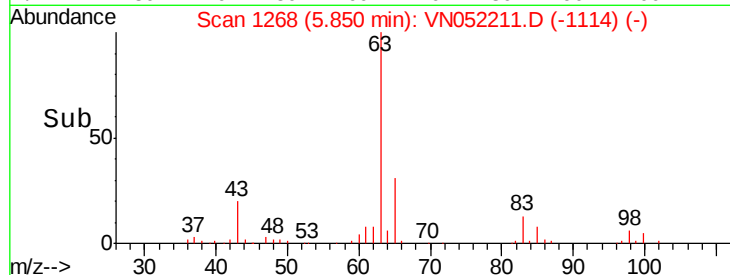
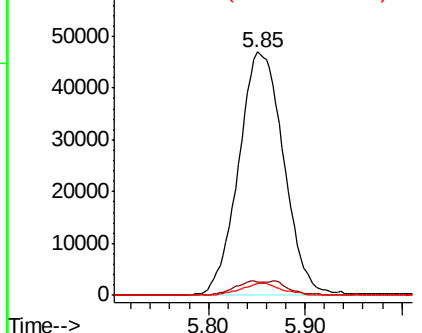
Tot Ion	Ratio	Lower	Upper
63	100		
98	5.7	3.4	10.1
100	5.0	2.0	5.8

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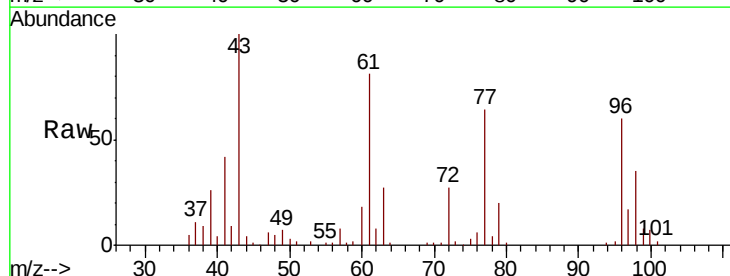


Abundance Ion 63.00 (62.70 to 63.70): VN052091.D (-1246) (-)

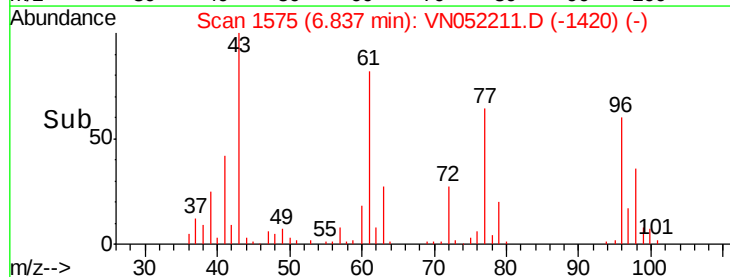
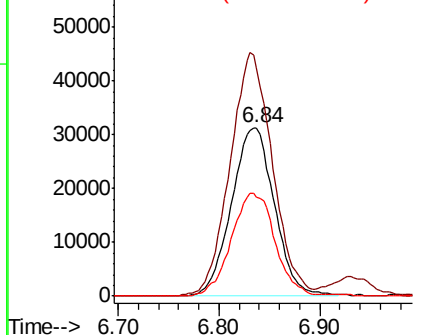


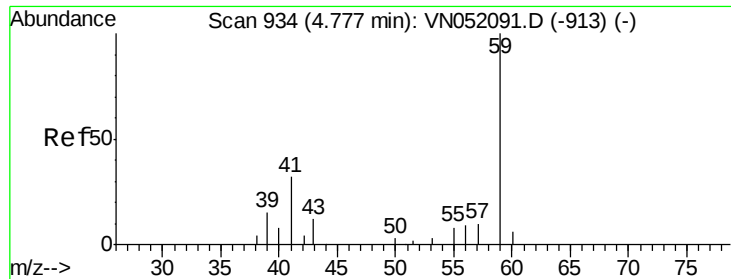
#22
 cis-1,2-Dichloroethene
 Concen: 19.709 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.4	117.6	176.4
98	62.0	51.0	76.4



Abundance Ion 96.00 (95.70 to 96.70): VN052091.D (-1553) (-)





#23

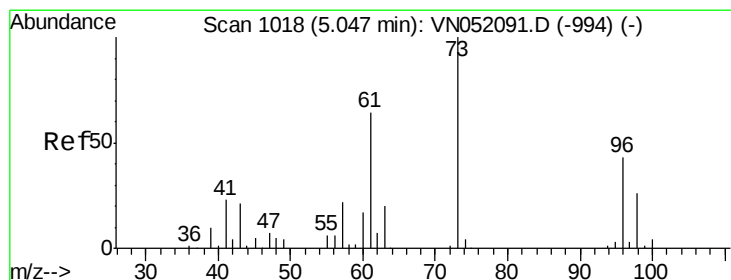
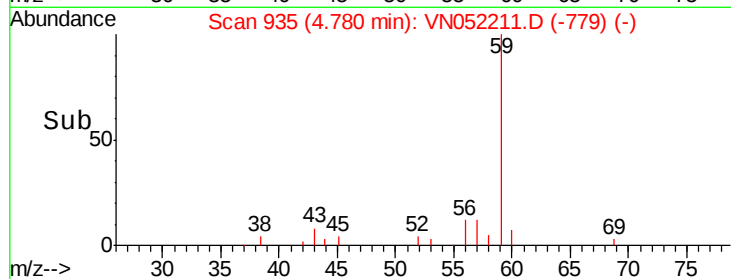
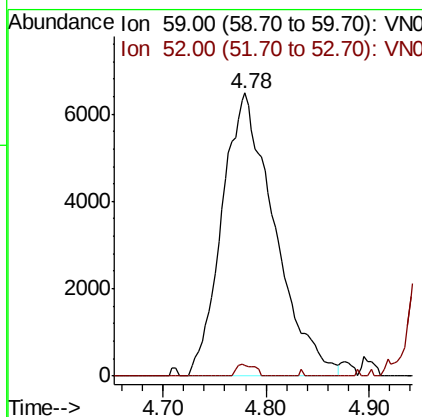
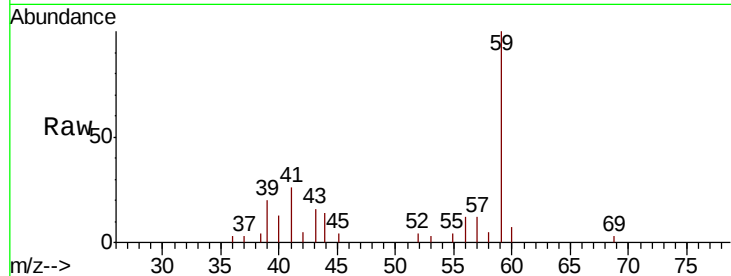
tert-Butyl Alcohol
 Concen: 107.415 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	1.5	0.3	0.5#

Manual Integrations
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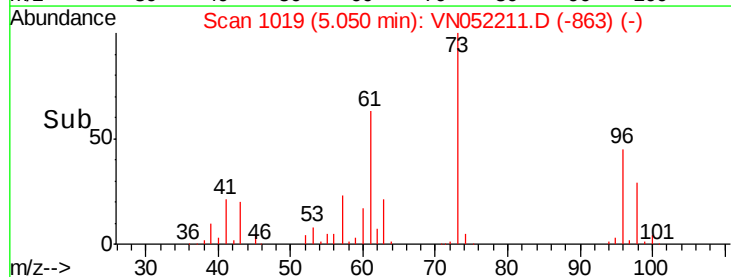
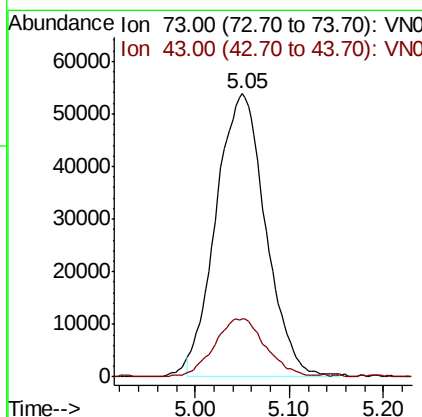
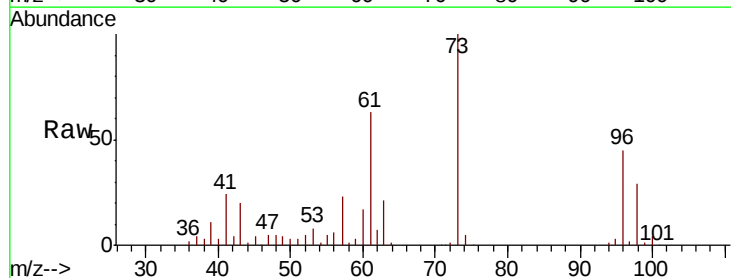
MMDadoda
 11/9/2018 10:39:46 AM

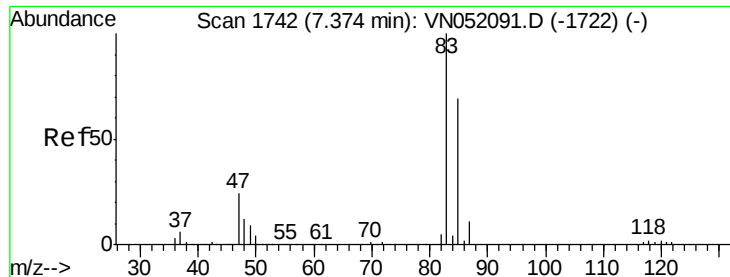


#24

Methyl tert-Butyl Ether
 Concen: 18.885 ug/l m
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	0.0	17.4	26.2#





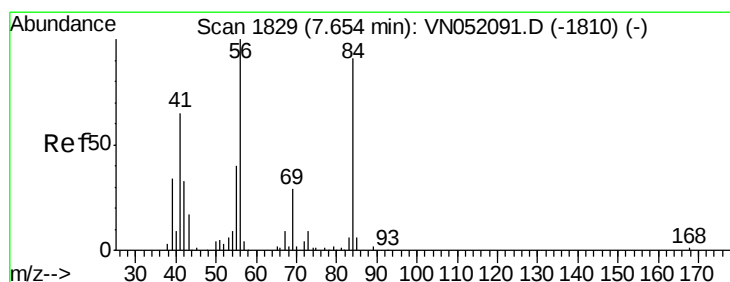
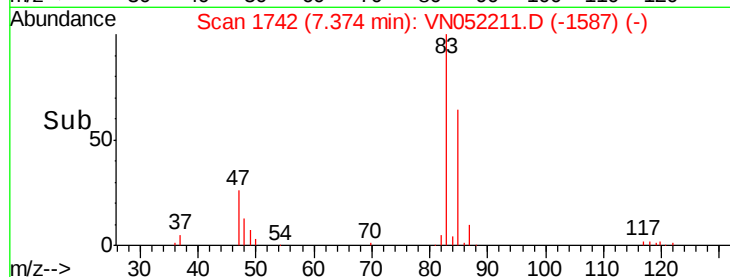
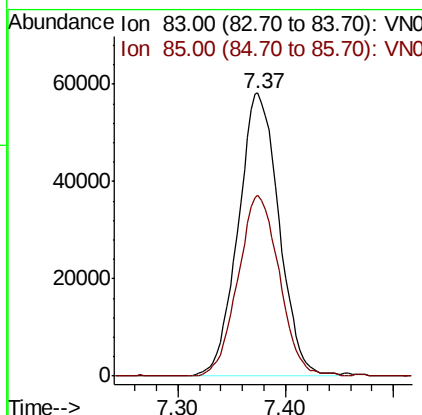
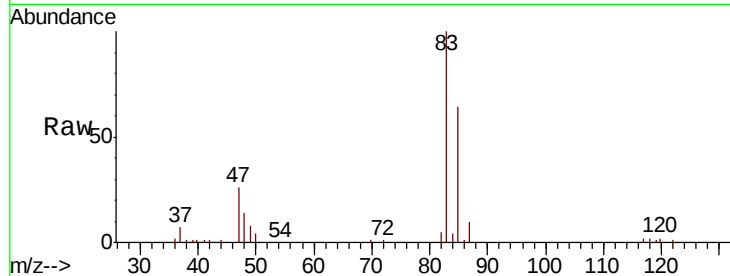
#25
Chloroform
Concen: 19.166 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	152528
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	54.9	82.3

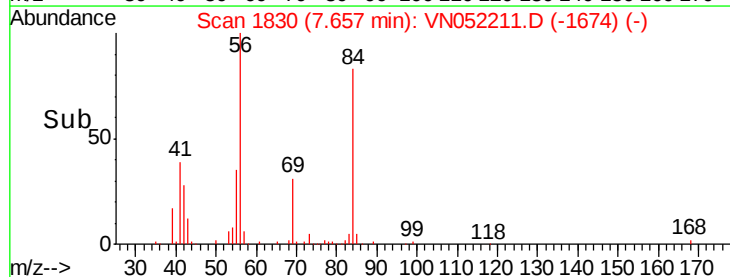
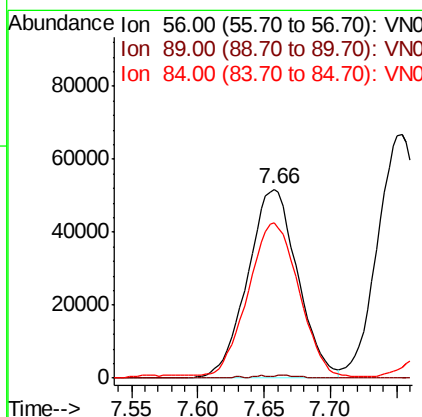
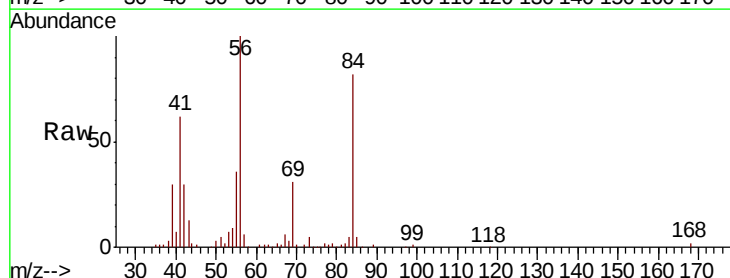
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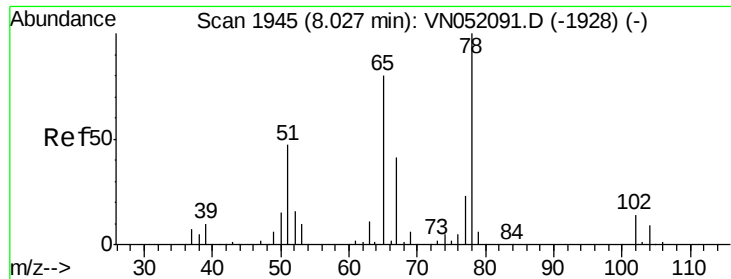
MMDadoda
11/9/2018 10:39:46 AM



#26
Cyclohexane
Concen: 19.166 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	56	Resp	136172
Ion Ratio	100	Lower	Upper
56	100		
89	0.8	2.2	3.2#
84	85.1	71.0	106.6





#27

1,2-Dichloroethane-d4

Concen: 19.166 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 141196

Ion Ratio Lower Upper

65 100

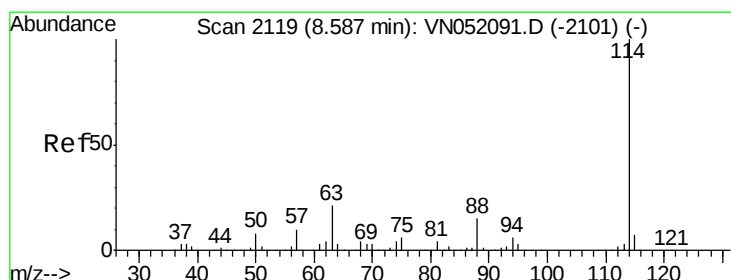
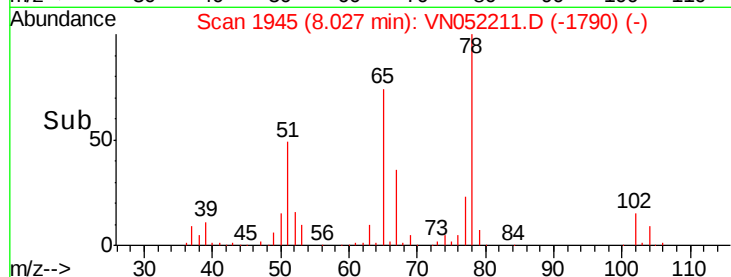
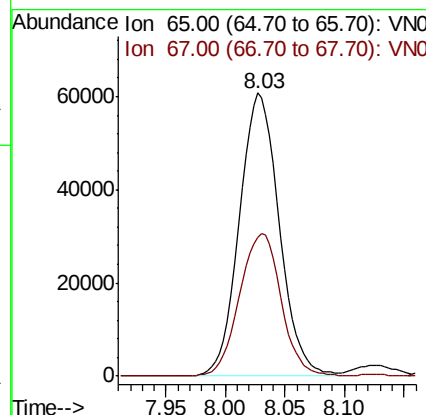
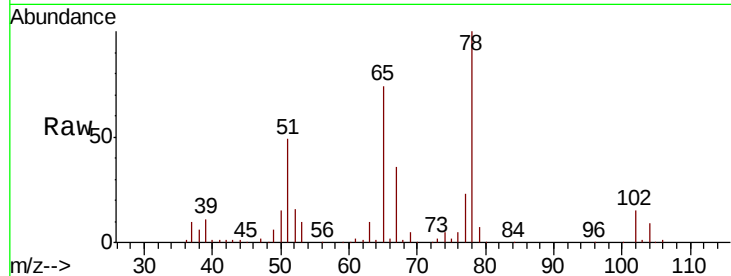
67 52.5 42.6 64.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

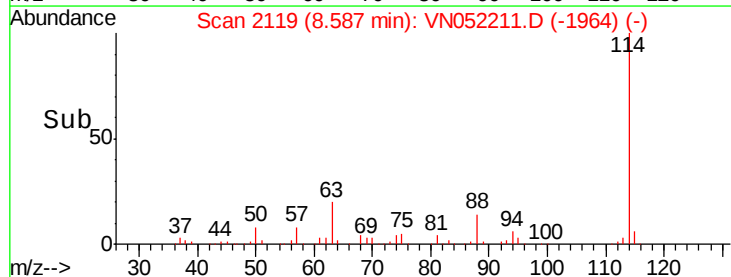
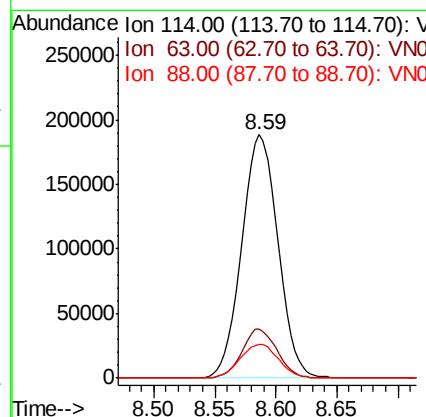
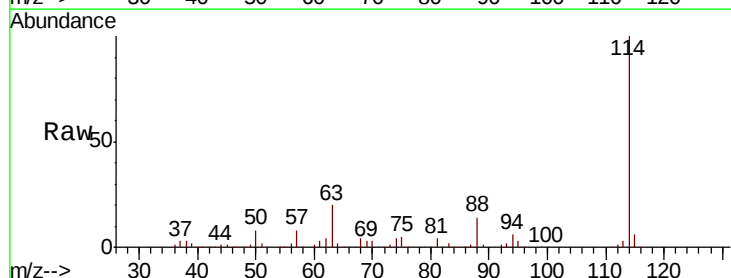
Tgt Ion: 114 Resp: 387389

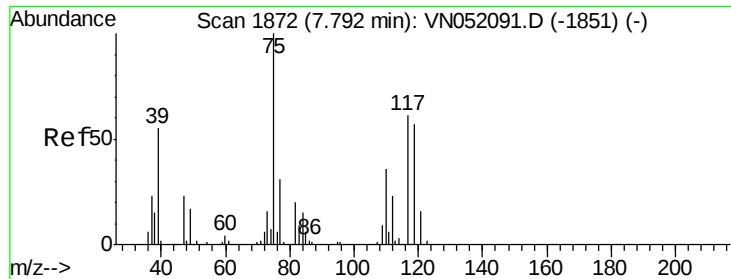
Ion Ratio Lower Upper

114 100

63 19.5 17.5 26.3

88 14.7 12.6 18.8





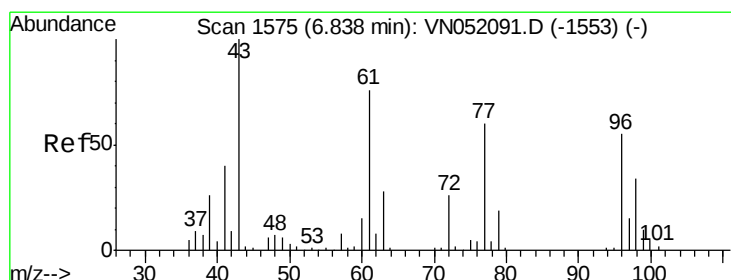
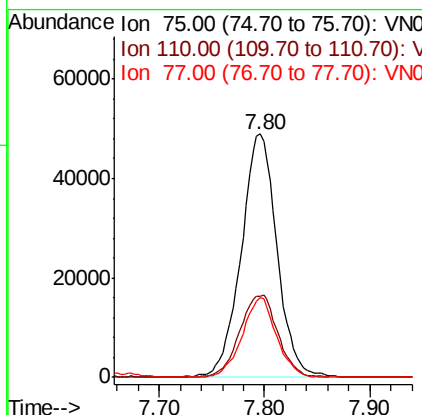
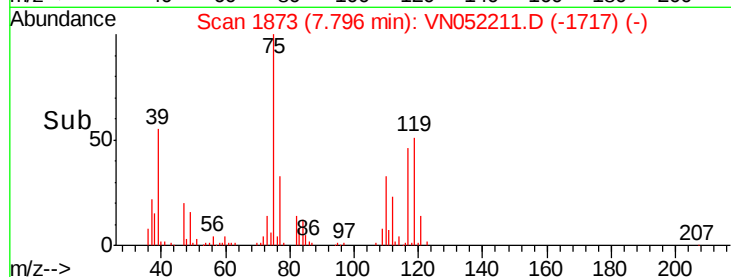
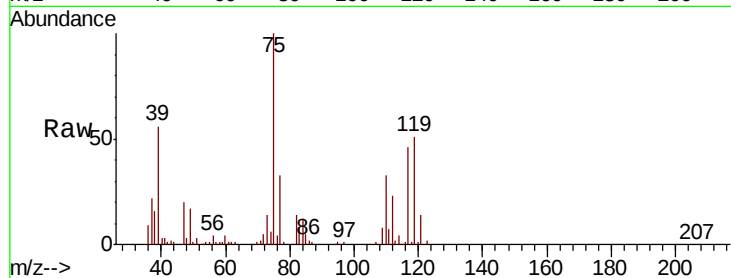
#29
 1,1-Dichloropropene
 Concen: 18.843 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	0.0	67.6	
77	31.3	0.0	60.2	

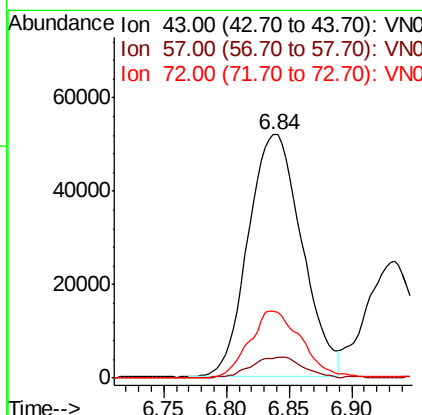
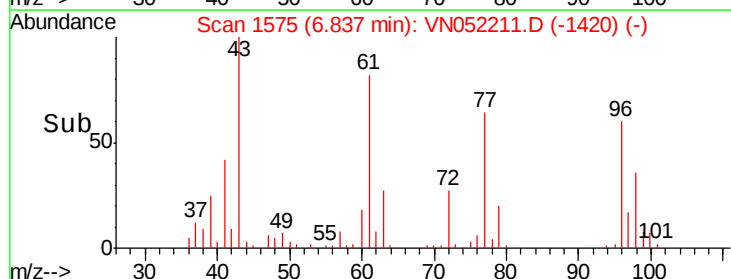
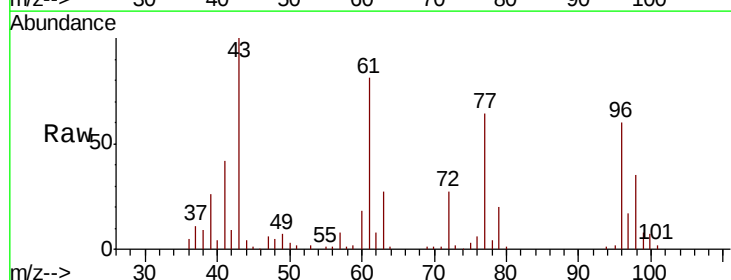
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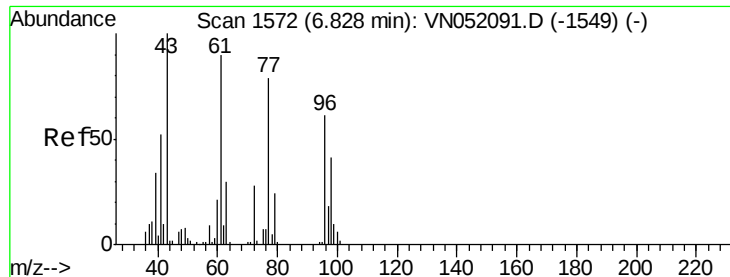
MMDadoda
 11/9/2018 10:39:46 AM



#30
 2-Butanone
 Concen: 94.669 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	3.5	6.6	9.8#	
72	26.9	9.2	13.8#	





#31

2,2-Dichloropropane

Concen: 18.427 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 116743

Ion Ratio Lower Upper

77 100

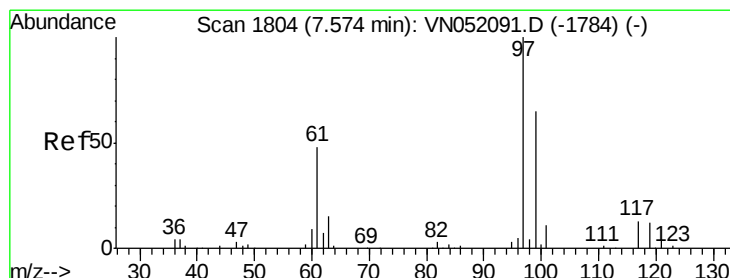
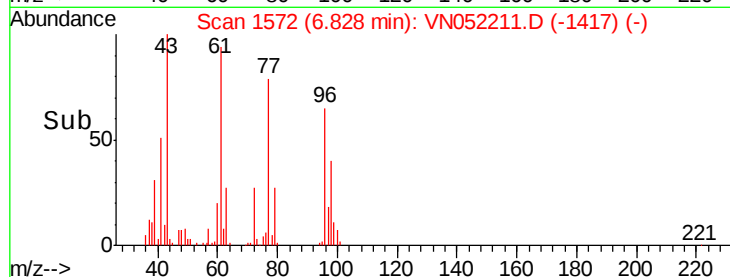
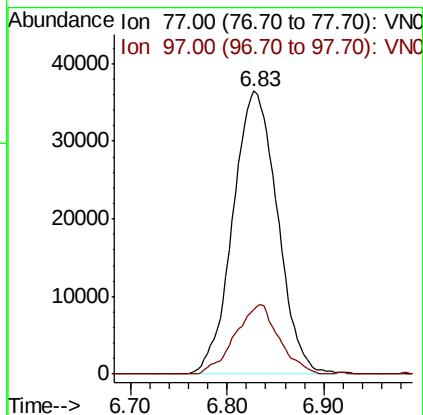
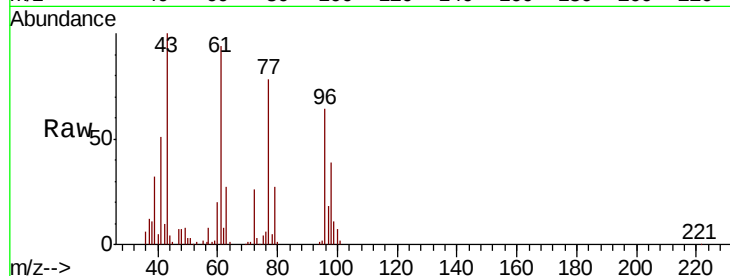
97 24.1 18.2 27.2

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#32

1,1,1-Trichloroethane

Concen: 18.611 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

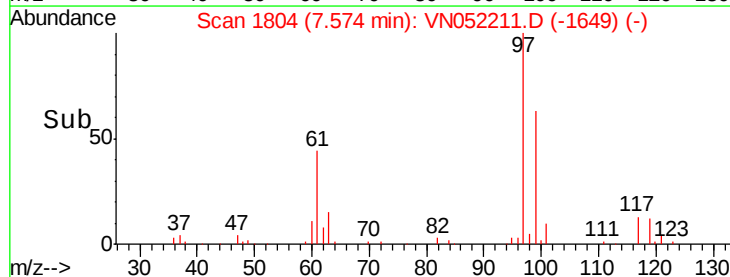
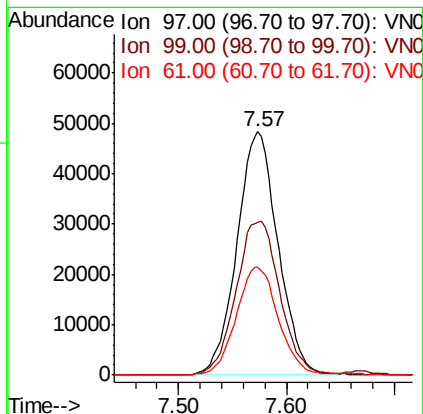
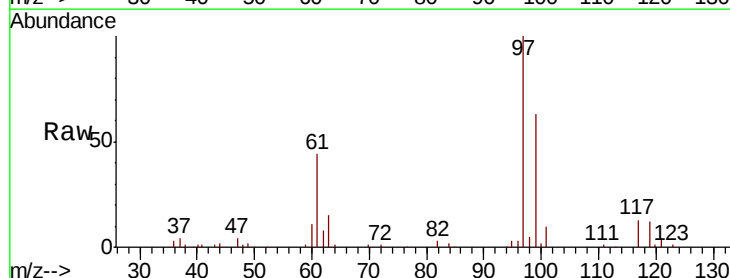
Tgt Ion: 97 Resp: 128075

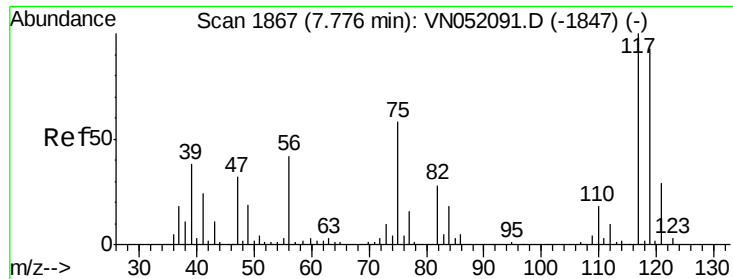
Ion Ratio Lower Upper

97 100

99 67.1 51.7 77.5

61 45.3 38.7 58.1





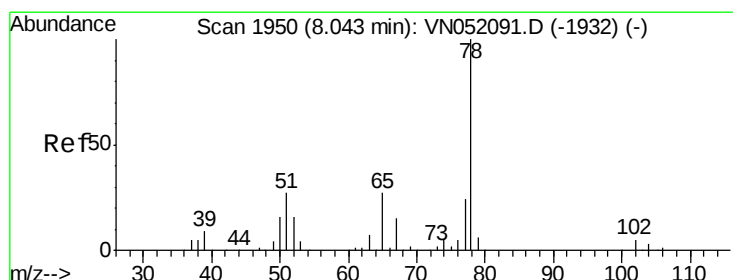
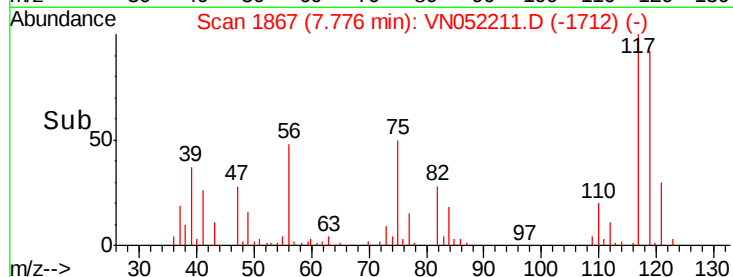
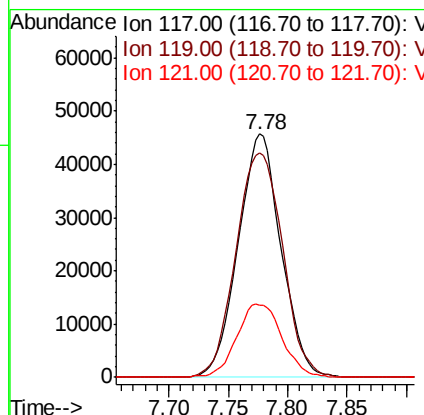
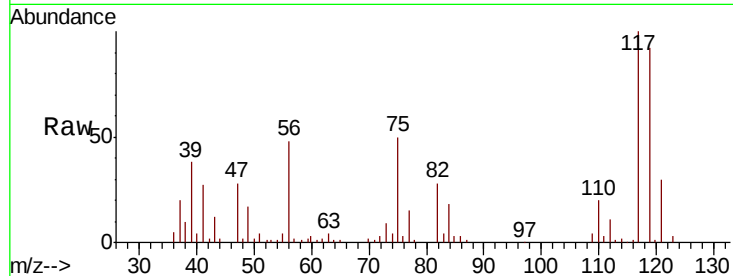
#33
Carbon Tetrachloride
Concen: 18.643 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.2	74.7	112.1
121	29.9	23.4	35.0

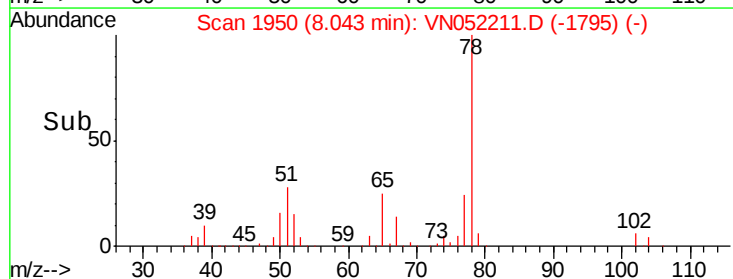
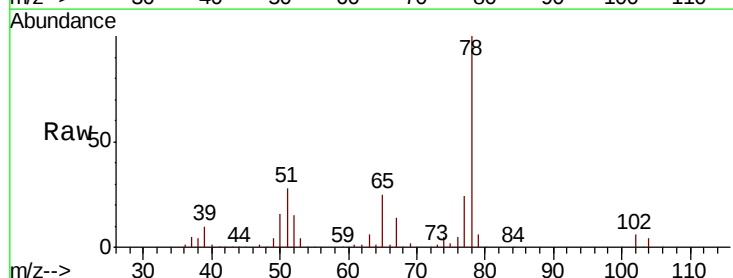
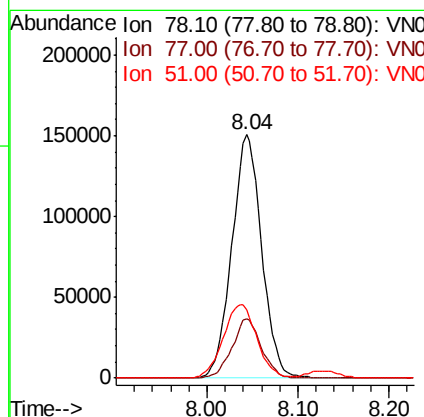
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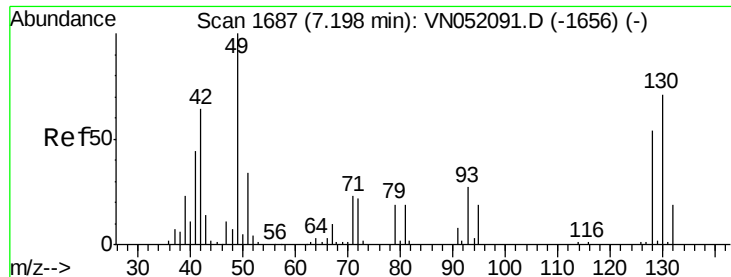
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#34
Benzene
Concen: 19.043 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7
51	27.8	21.2	31.8





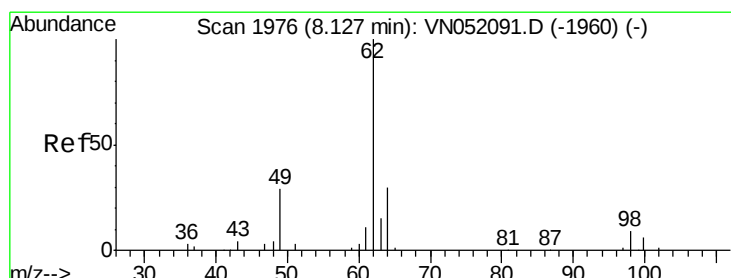
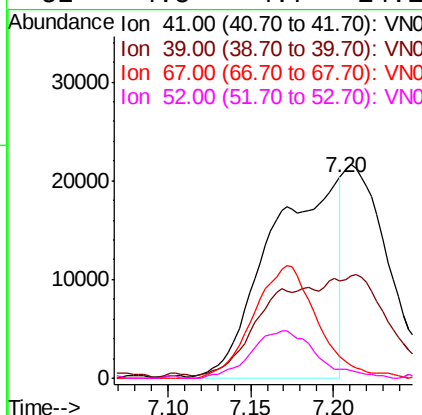
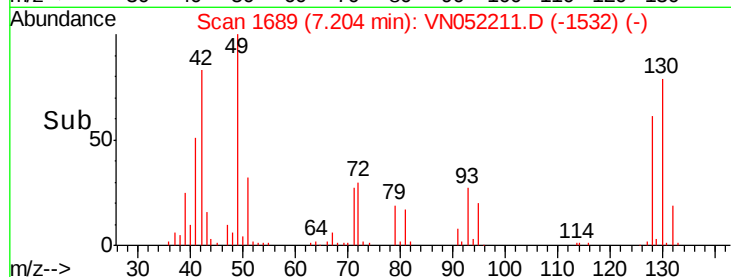
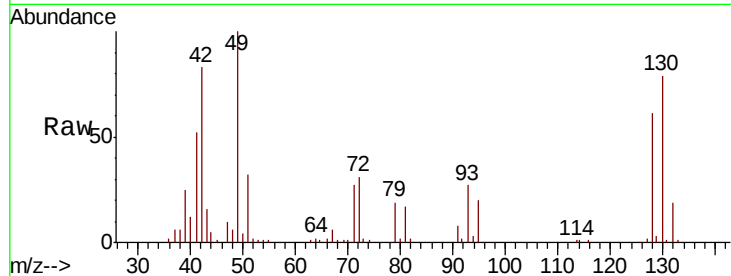
#35
Methacrylonitrile
Concen: 26.818 ug/l m
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.7	26.1	78.3
67	10.8	11.0	33.0#
52	4.5	4.7	14.1#

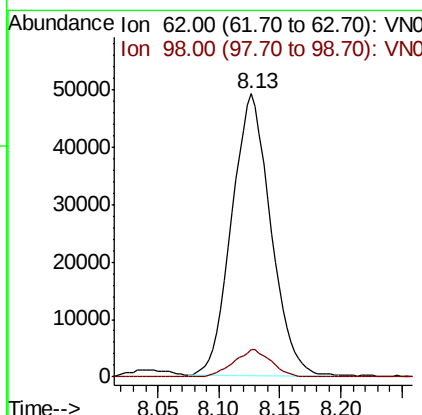
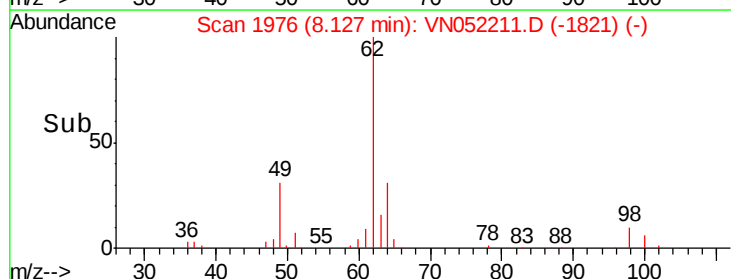
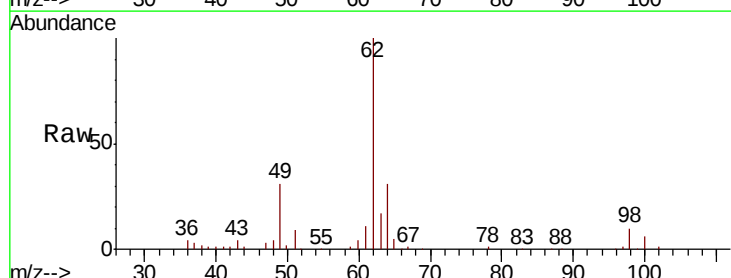
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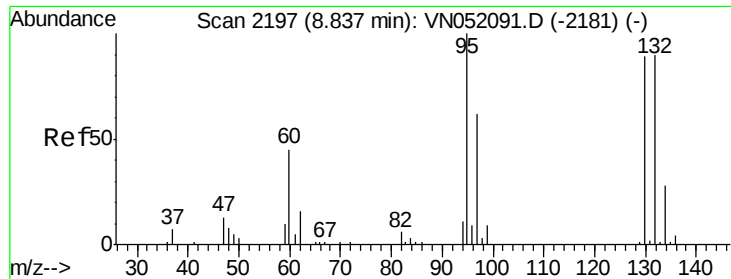
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#36
1,2-Dichloroethane
Concen: 18.084 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	6.7	10.1





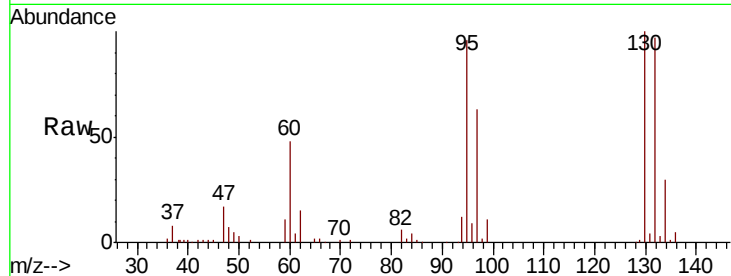
#37
 Trichloroethene
 Concen: 19.677 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

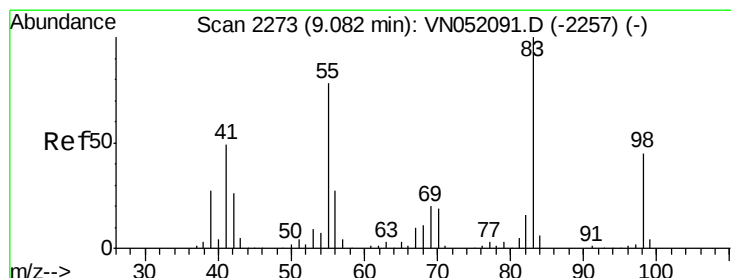
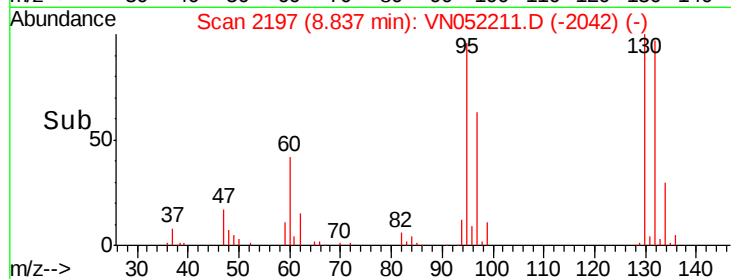
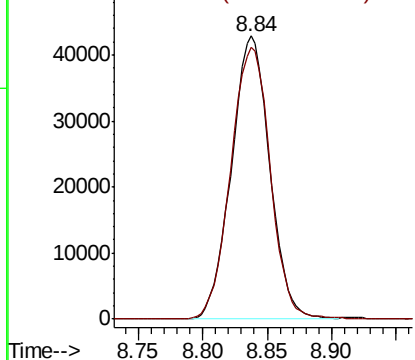
Tot Ion:130 Resp: 88692
 Ion Ratio Lower Upper
 130 100
 95 96.2 89.9 134.9

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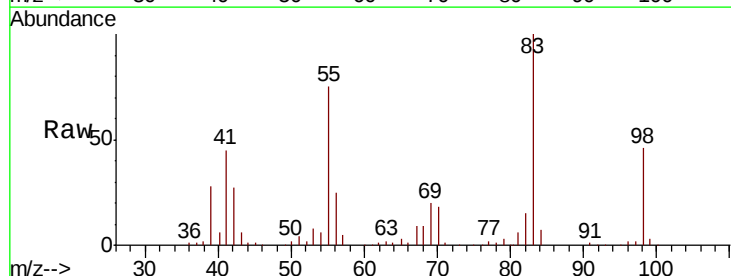


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

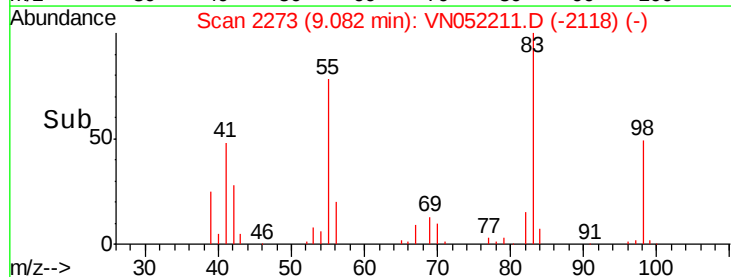
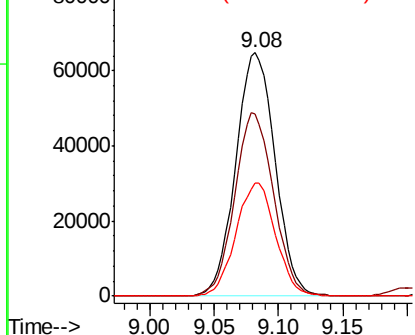


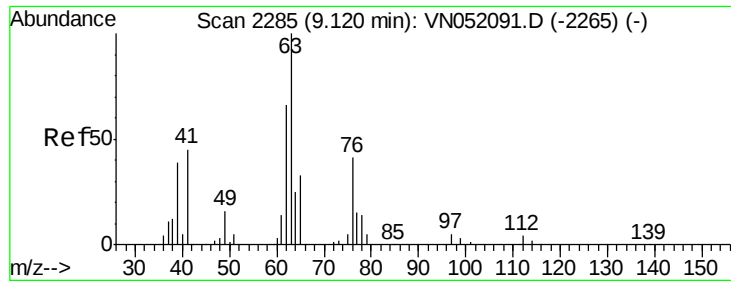
#38
 Methylcyclohexane
 Concen: 18.393 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion: 83 Resp: 137998
 Ion Ratio Lower Upper
 83 100
 55 74.6 38.5 115.3
 98 46.6 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





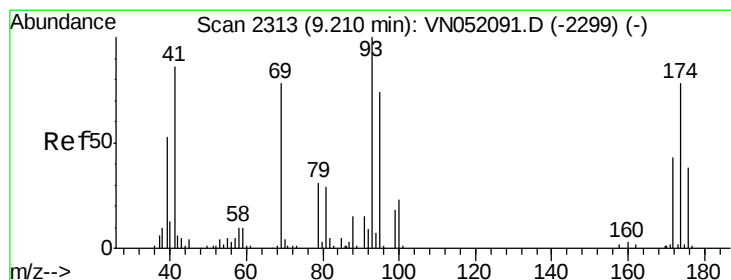
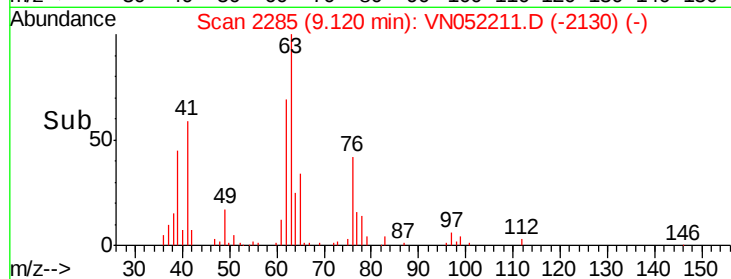
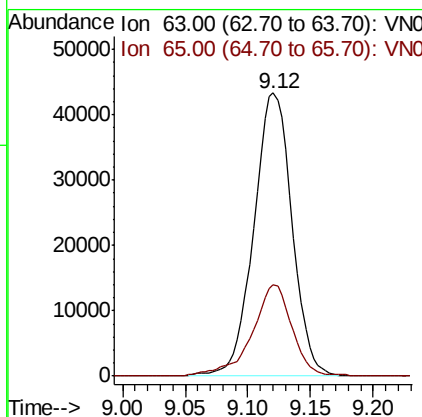
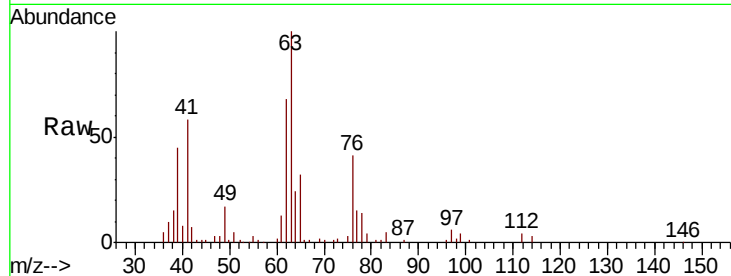
#39
 1,2-Dichloropropane
 Concen: 19.196 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 92022
 Ion Ratio Lower Upper
 63 100
 65 32.0 27.3 40.9

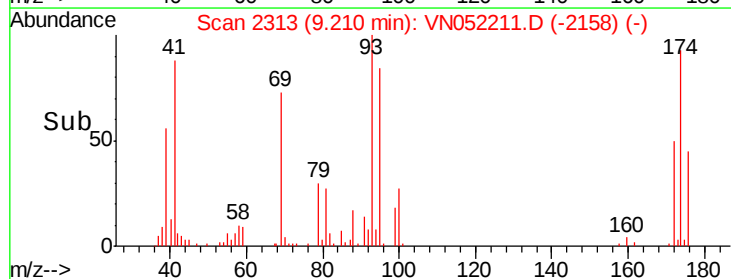
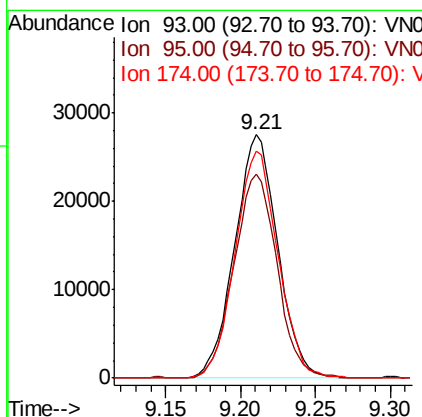
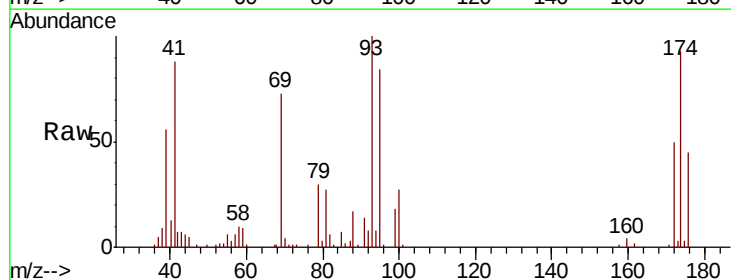
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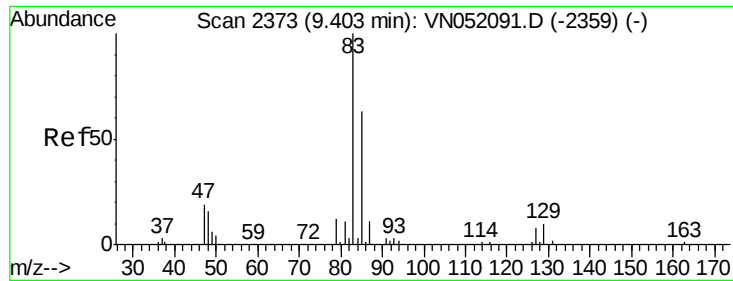
MMDadoda
 11/9/2018 10:39:46 AM



#40
 Dibromomethane
 Concen: 18.663 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion: 93 Resp: 55145
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 161.2
 174 93.2 0.0 165.0





#41

Bromodichloromethane

Concen: 18.528 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

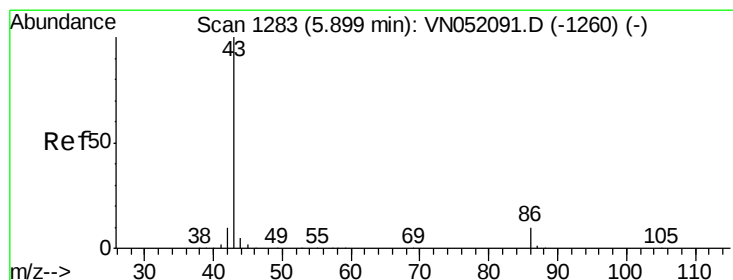
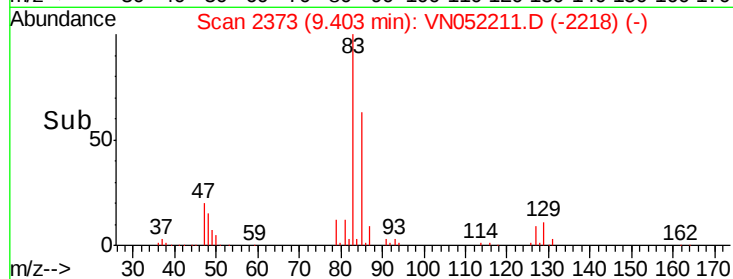
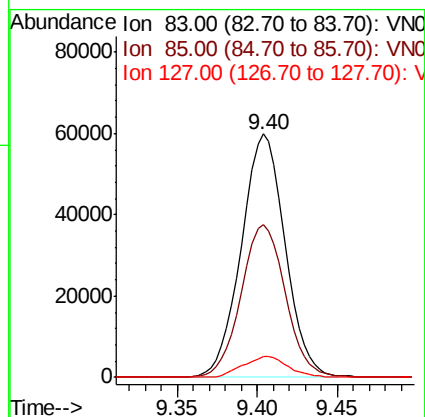
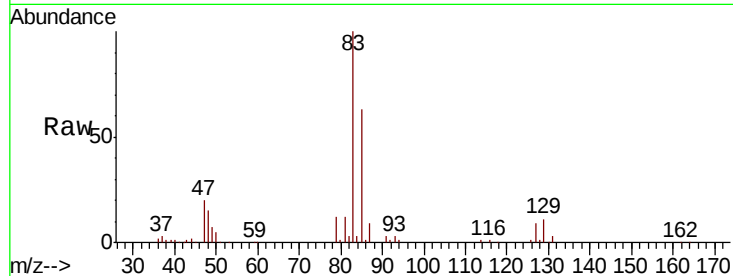
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	112018
Ion Ratio	Lower	Upper	
83	100		
85	62.6	50.2	75.2
127	8.6	6.6	10.0

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#42

Vinyl Acetate

Concen: 94.643 ug/l

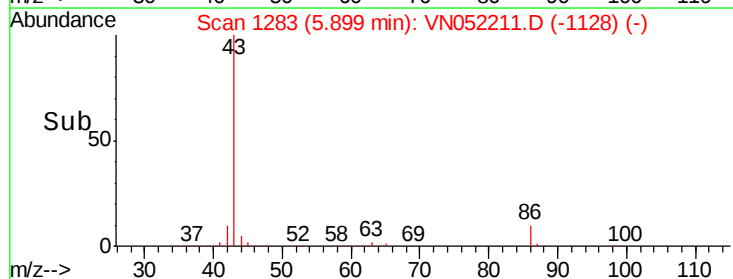
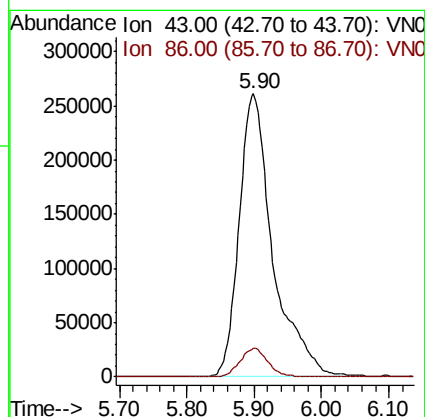
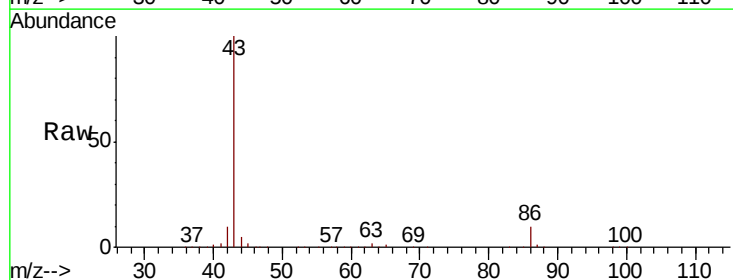
RT: 5.90 min Scan# 1283

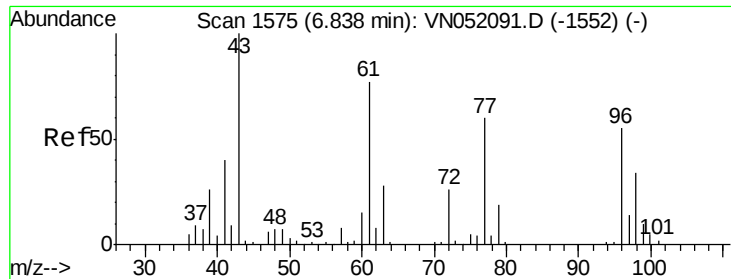
Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Tgt Ion:	43	Resp:	907489
Ion Ratio	Lower	Upper	
43	100		
86	8.4	6.6	10.0





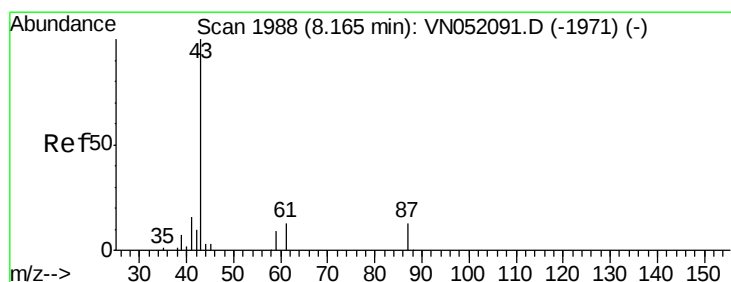
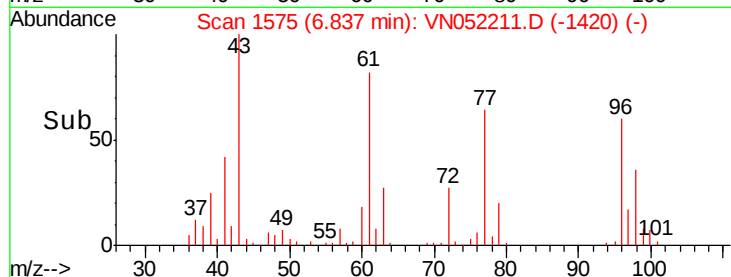
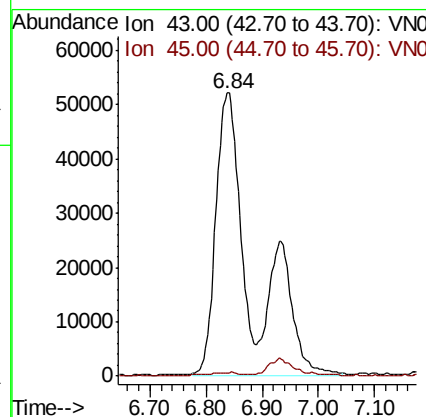
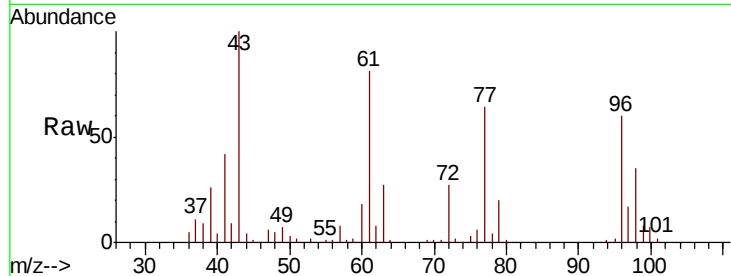
#43
Ethyl Acetate
Concen: 28.429 ug/l m
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 234008
Ion Ratio Lower Upper
43 100
45 1.4 3.8 5.8#

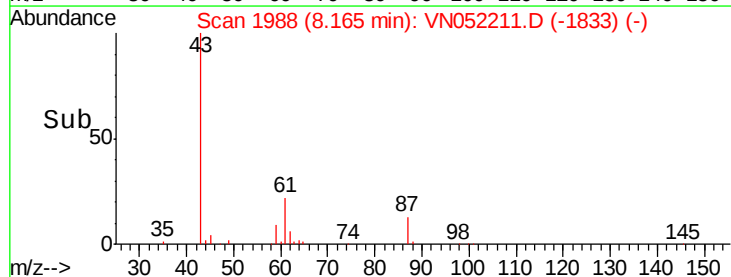
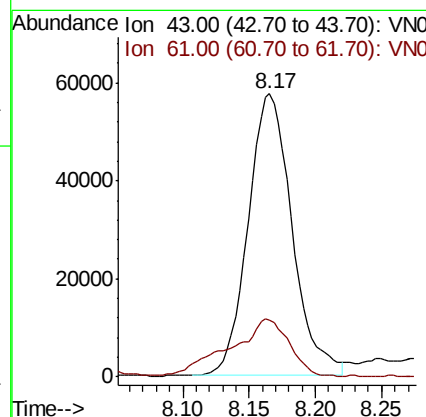
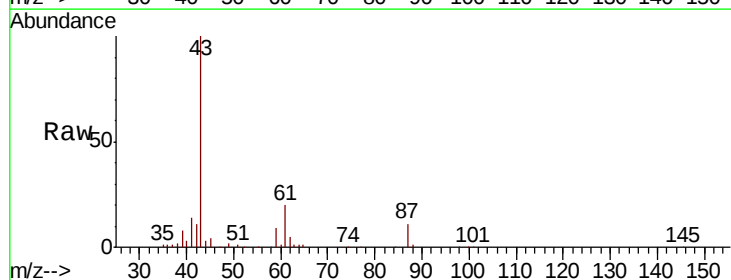
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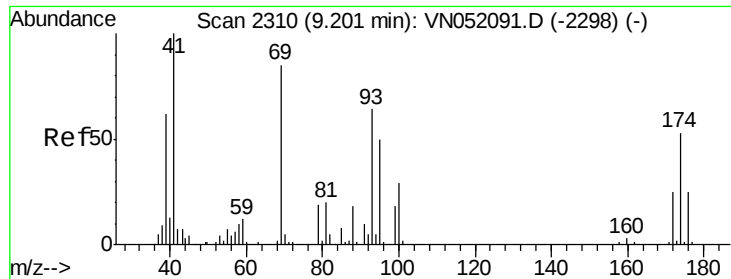
MMDadoda
11/9/2018 10:39:46 AM



#44
Isopropyl Acetate
Concen: 19.439 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion: 43 Resp: 132478
Ion Ratio Lower Upper
43 100
61 28.2 16.2 24.2#





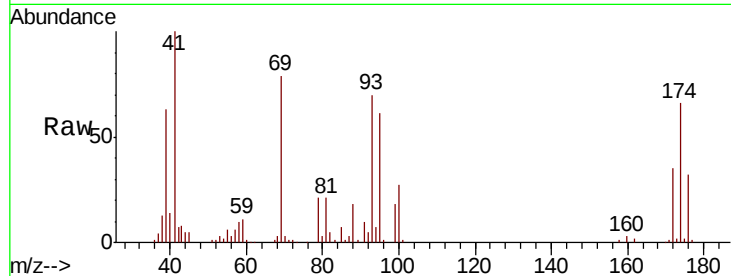
#45
 1,4-Dioxane
 Concen: 382.990 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

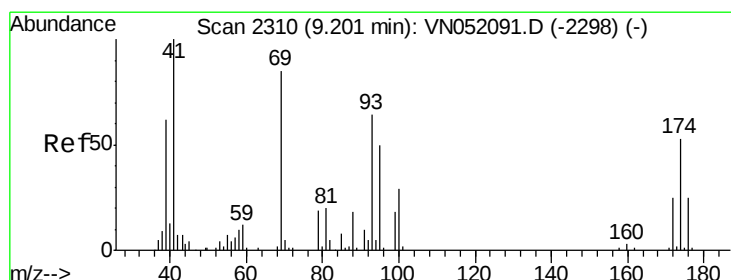
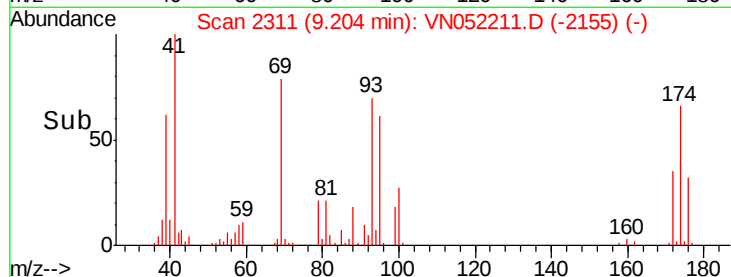
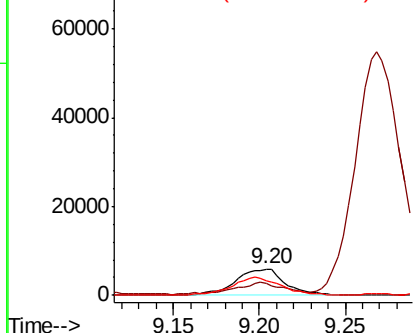
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	28.6	43.0
58	68.0	37.8	56.8#

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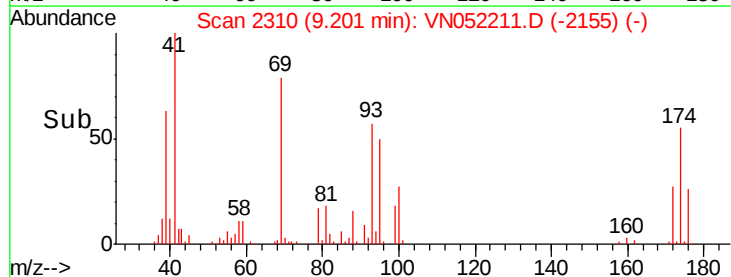
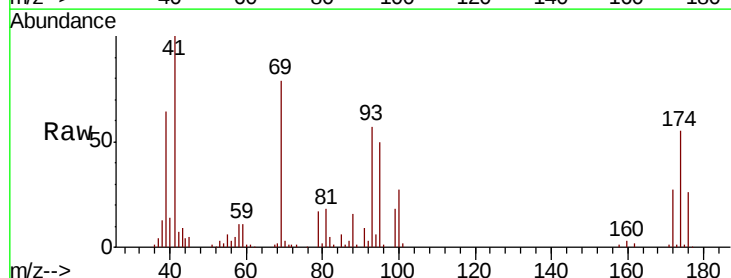
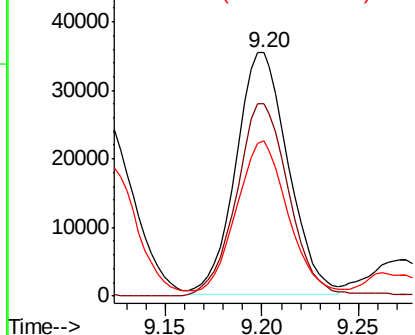
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

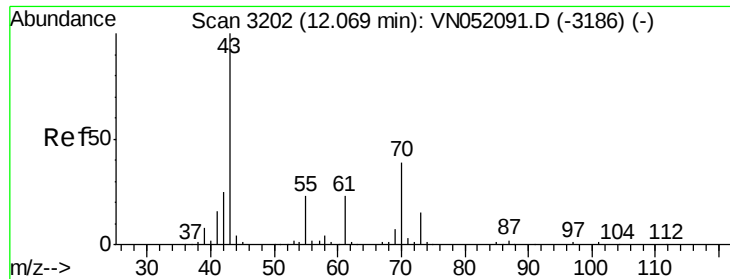


#46
 Methyl methacrylate
 Concen: 19.609 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.1	42.5	127.6
39	63.1	31.1	93.3

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 18.042 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 111457

Ion Ratio Lower Upper

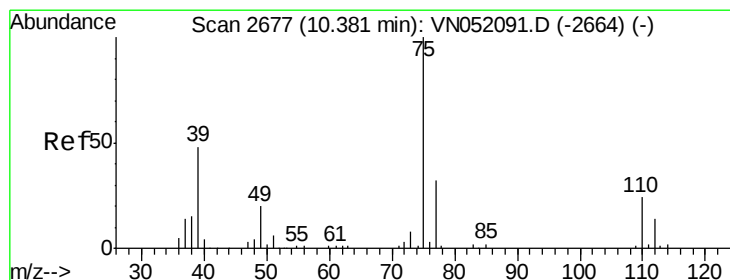
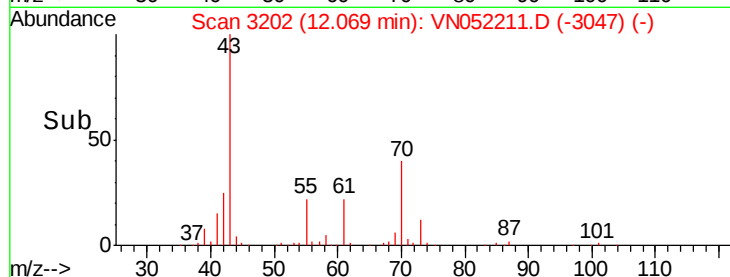
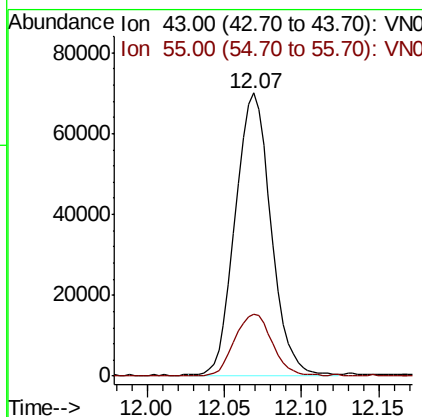
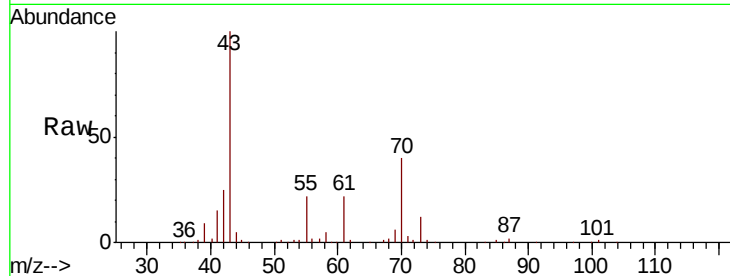
43 100

55 23.4 0.0 0.0#

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#48

t-1,3-Dichloropropene

Concen: 18.005 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052211.D

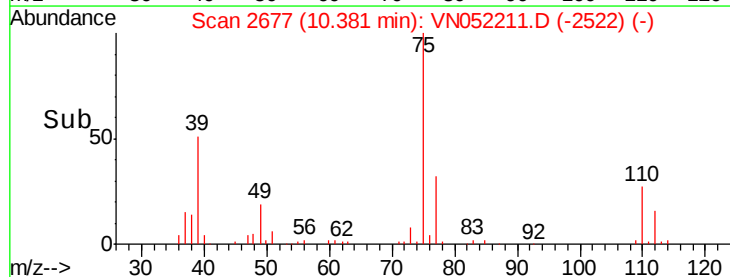
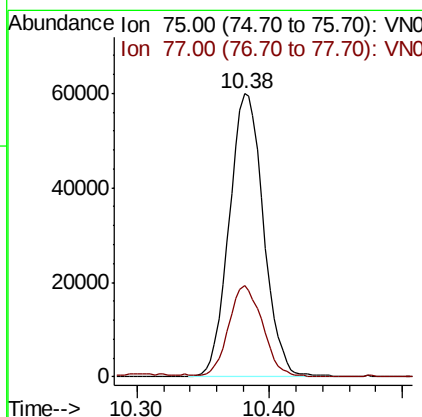
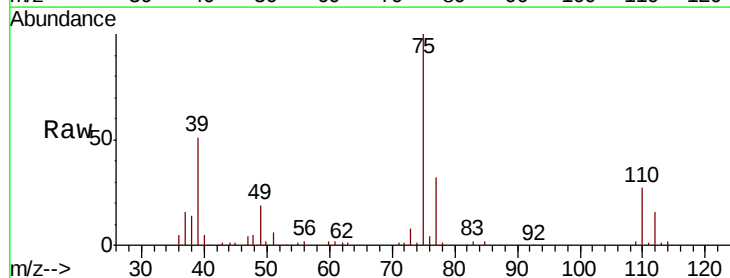
Acq: 7 Nov 2018 16:58

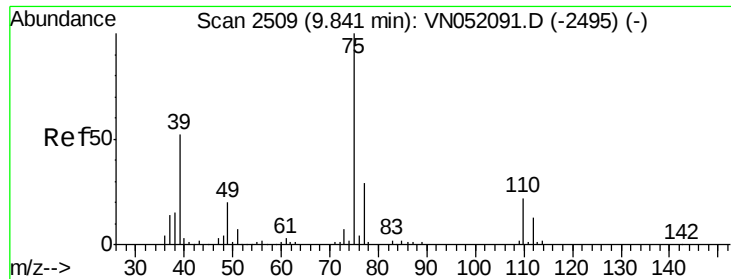
Tgt Ion: 75 Resp: 108088

Ion Ratio Lower Upper

75 100

77 32.1 26.3 39.5





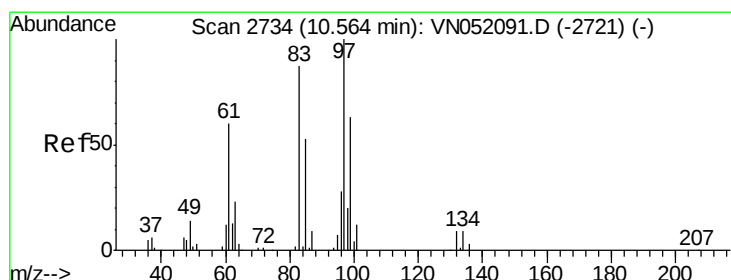
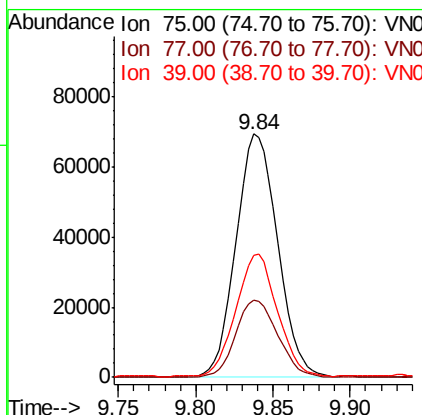
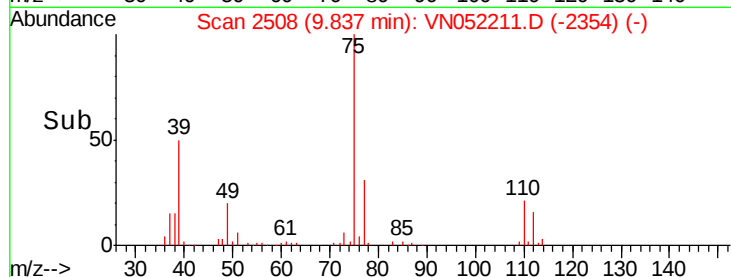
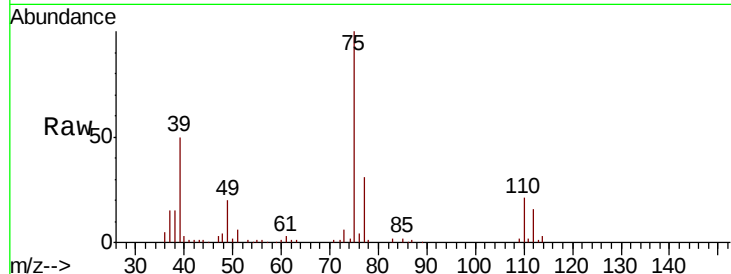
#49
 cis-1,3-Dichloropropene
 Concen: 18.803 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	130289
Ion Ratio	Lower	Upper	
75	100		
77	31.5	23.3	34.9
39	49.7	41.6	62.4

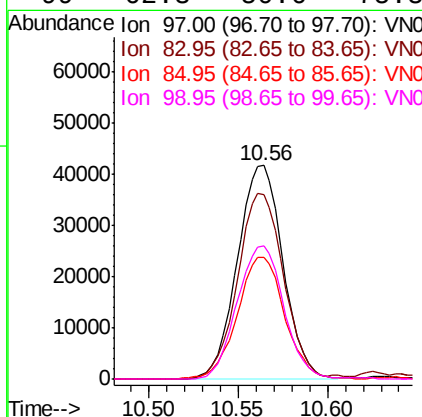
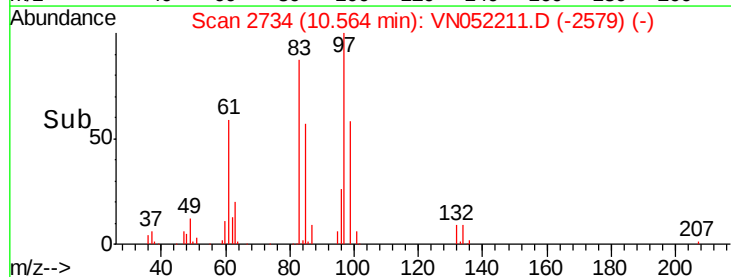
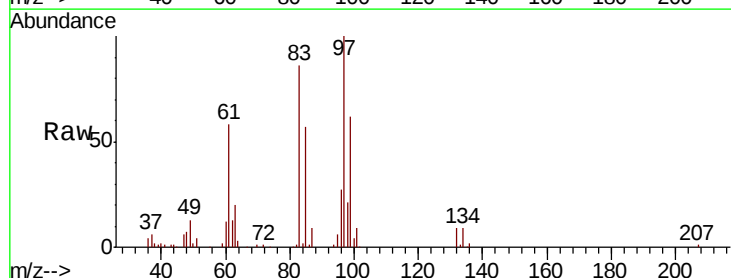
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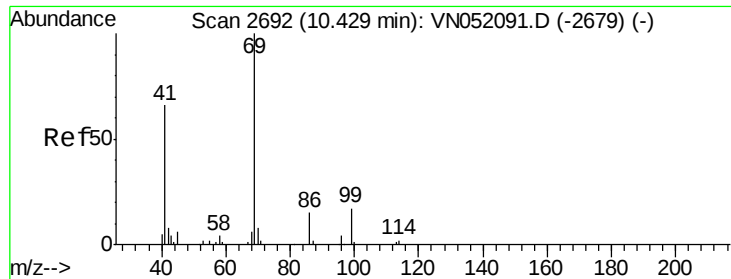
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#50
 1,1,2-Trichloroethane
 Concen: 18.996 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion:	97	Resp:	74221
Ion Ratio	Lower	Upper	
97	100		
83	86.3	69.4	104.0
85	56.6	42.7	64.1
99	62.3	50.6	75.8





#51

Ethyl methacrylate

Concen: 18.433 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

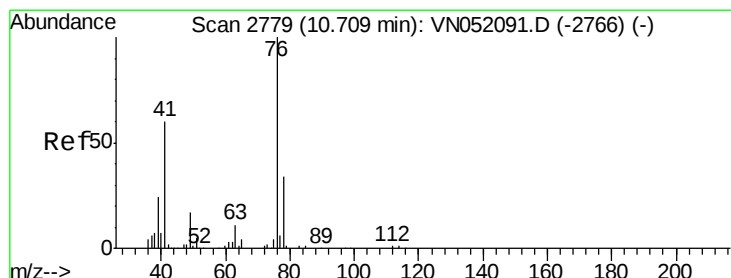
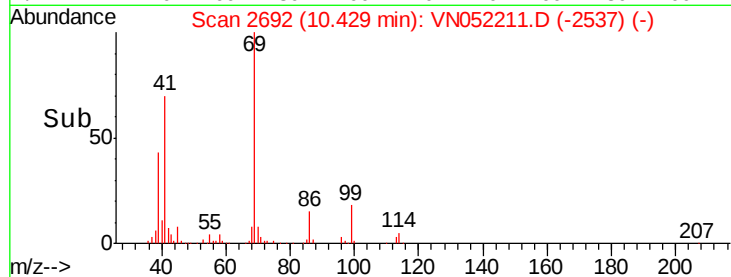
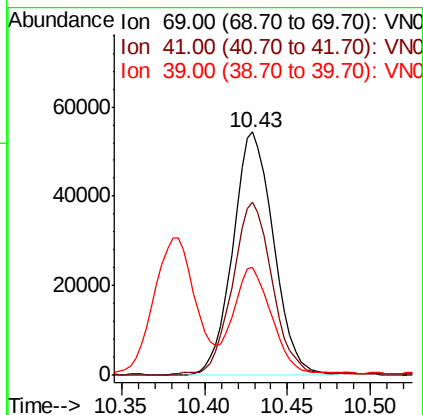
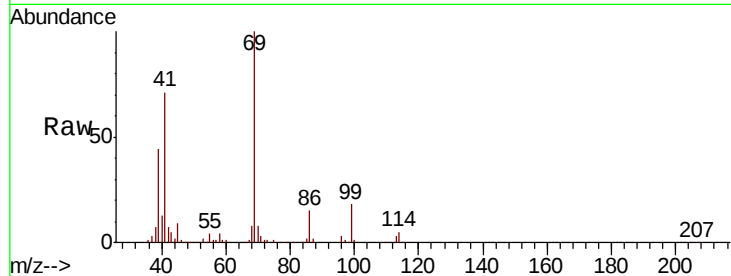
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	93085
Ion Ratio	Lower	Upper	
69	100		
41	70.0	33.0	99.0
39	43.4	20.7	62.1

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#52

1,3-Dichloropropane

Concen: 18.839 ug/l

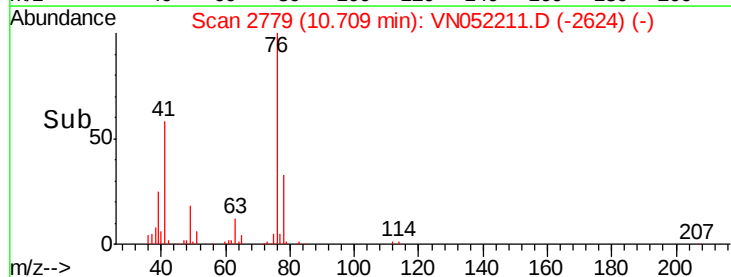
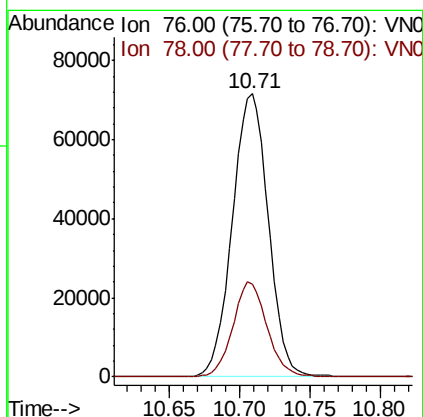
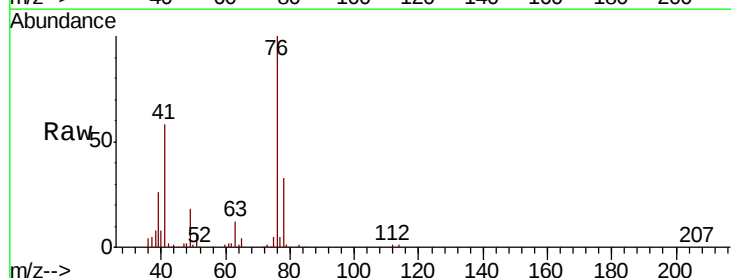
RT: 10.71 min Scan# 2779

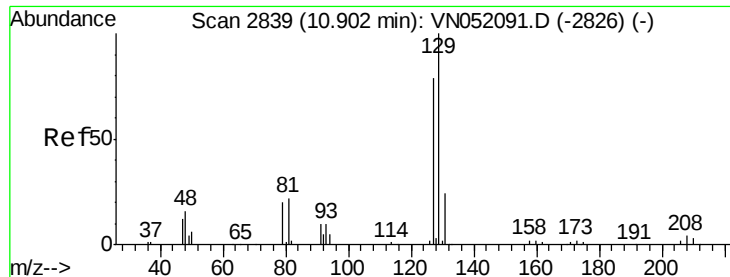
Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Tgt Ion:	76	Resp:	128221
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	65.0





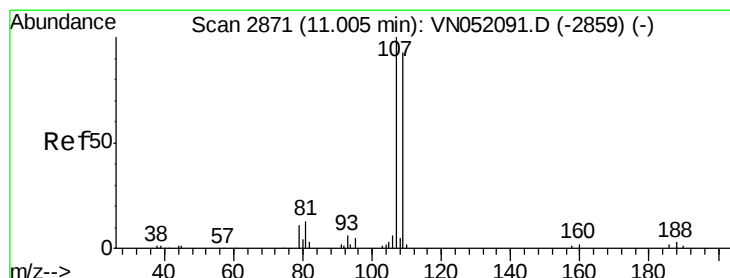
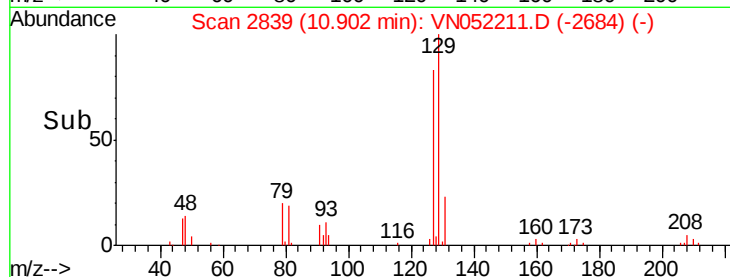
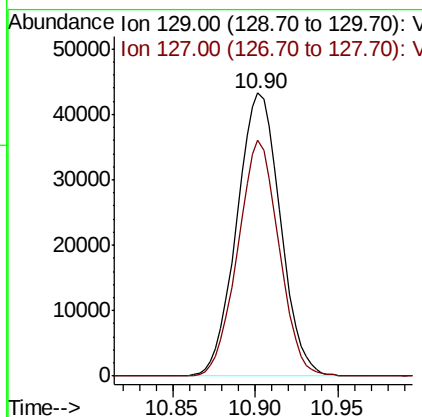
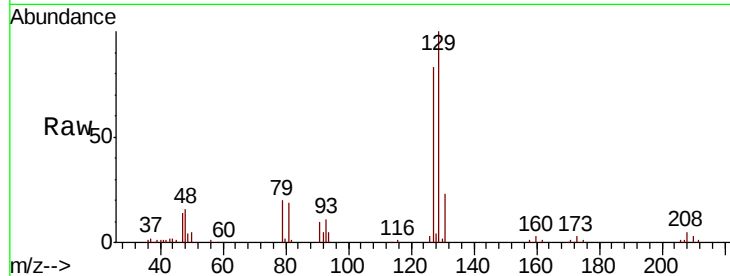
#53
Dibromochloromethane
Concen: 18.735 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 79029
Ion Ratio Lower Upper
129 100
127 78.6 39.2 117.6

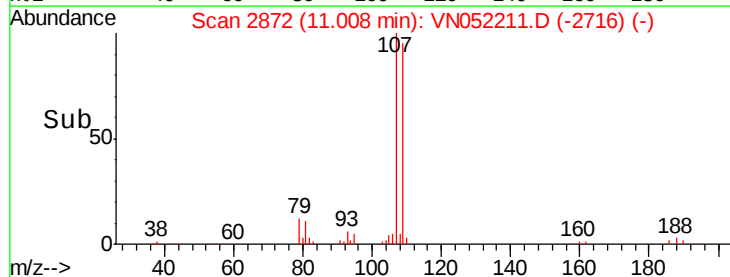
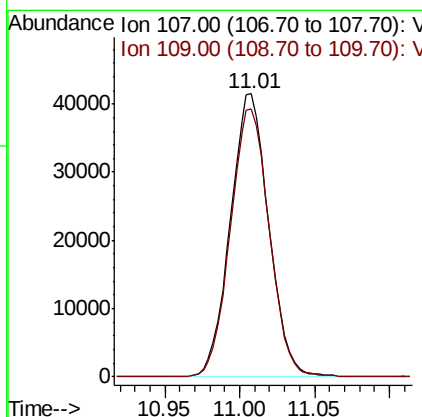
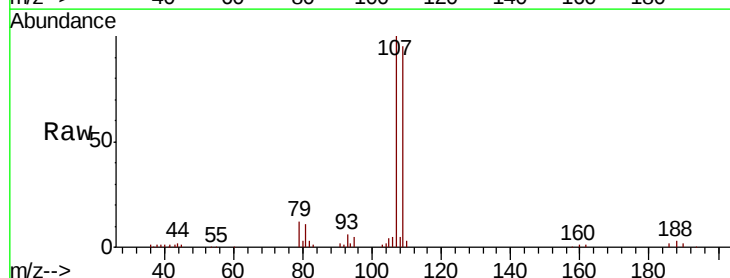
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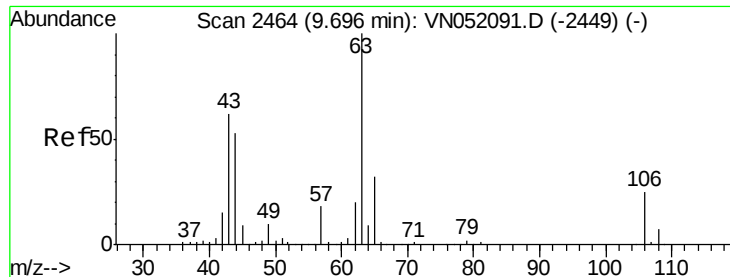
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#54
1,2-Dibromoethane
Concen: 18.663 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion:107 Resp: 73945
Ion Ratio Lower Upper
107 100
109 96.1 77.0 115.6





#55

2-Chloroethyl vinyl ether

Concen: 95.430 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

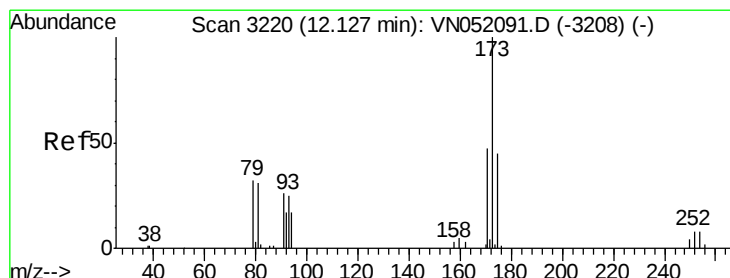
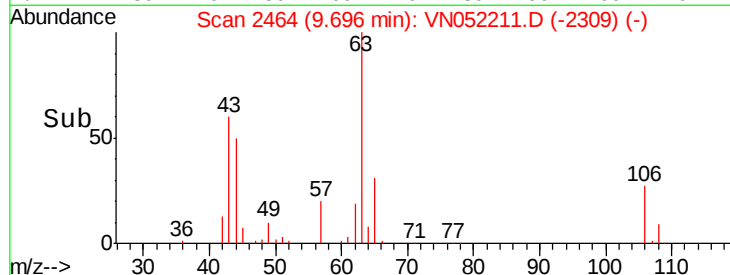
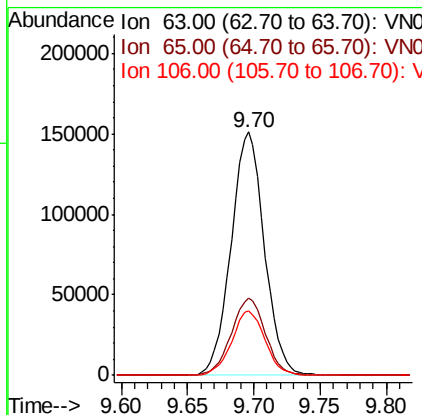
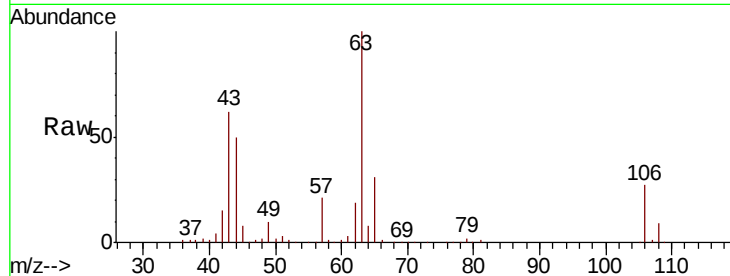
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	263887
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	26.4	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 18.530 ug/l

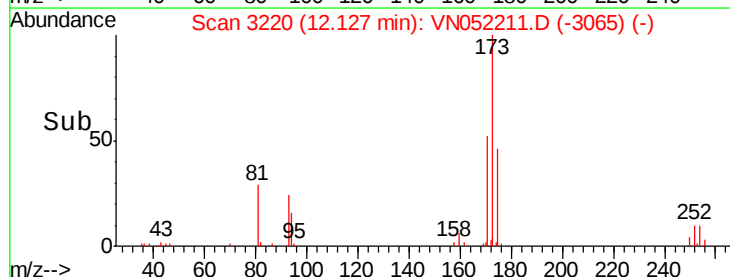
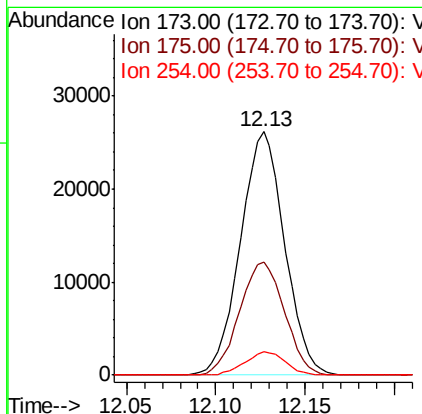
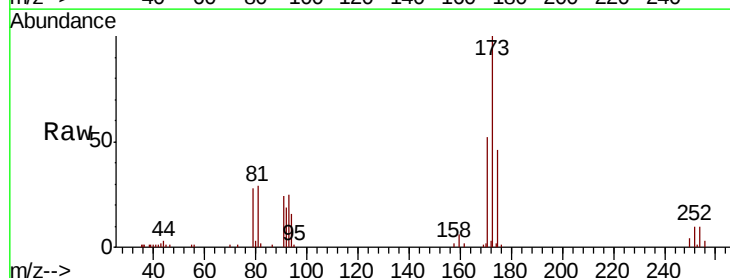
RT: 12.13 min Scan# 3220

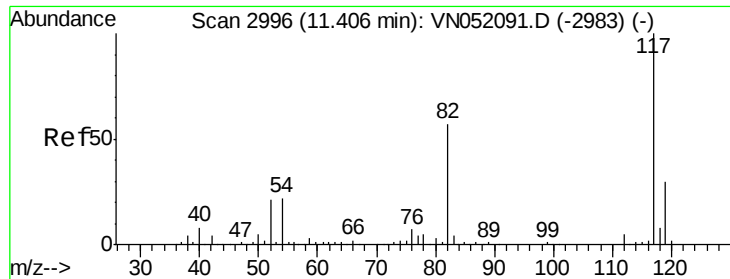
Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Tgt Ion:	173	Resp:	45145
Ion	Ratio	Lower	Upper
173	100		
175	47.1	37.3	55.9
254	8.7	7.0	10.6





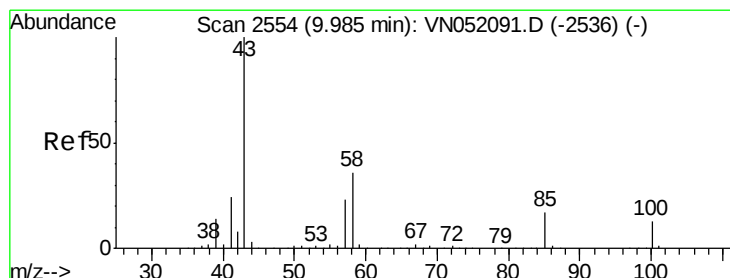
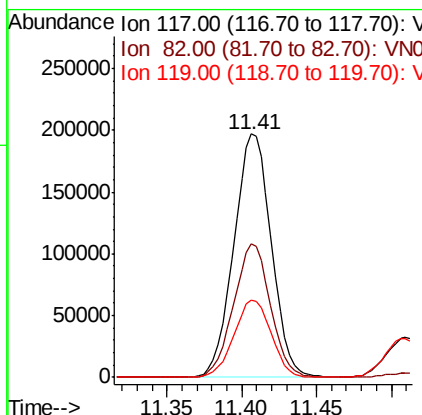
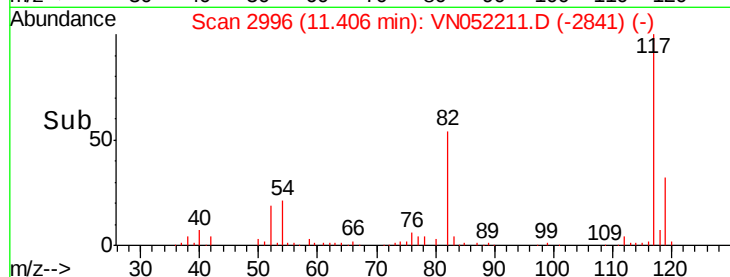
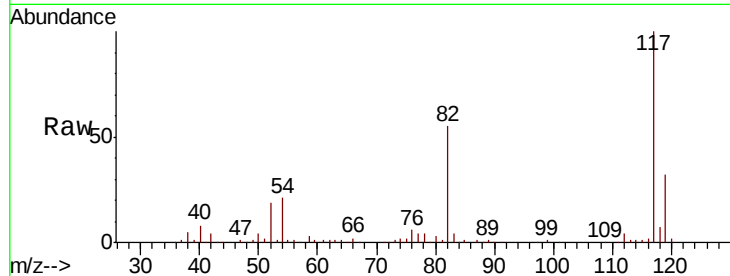
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	45.0	67.6
119	31.6	24.2	36.4

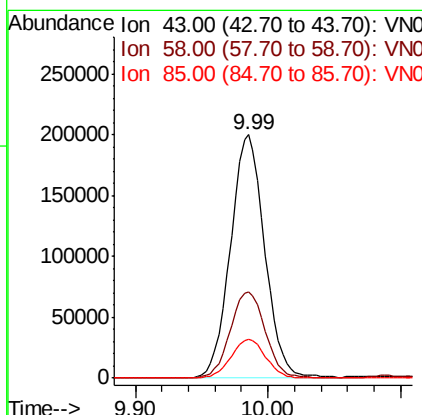
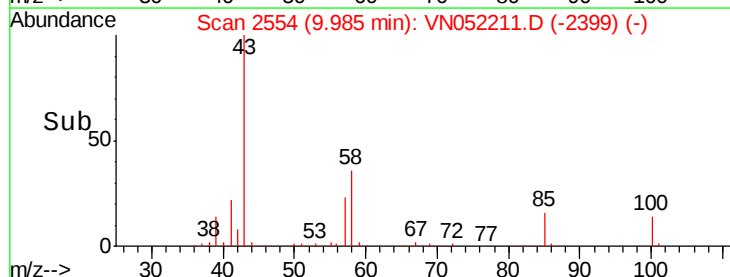
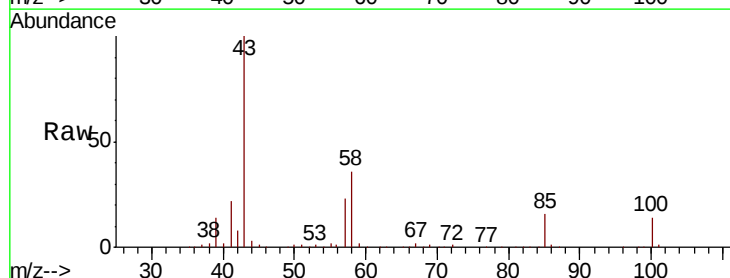
Manual Integrations
APPROVED

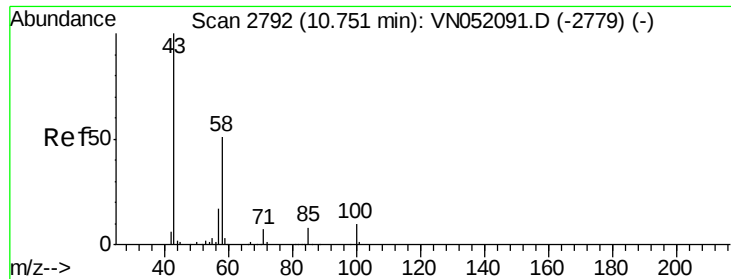
MMDadoda
11/9/2018 10:39:46 AM



#58
4-Methyl-2-Pentanone
Concen: 96.922 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.0	43.6
85	16.2	13.4	20.2





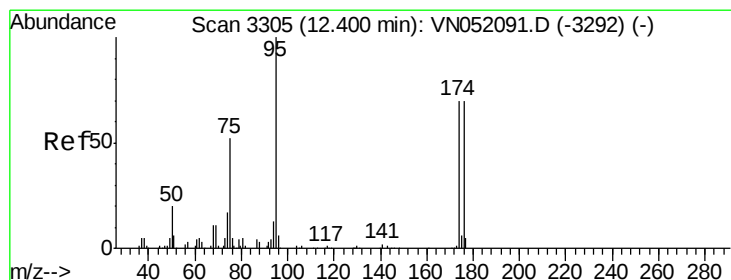
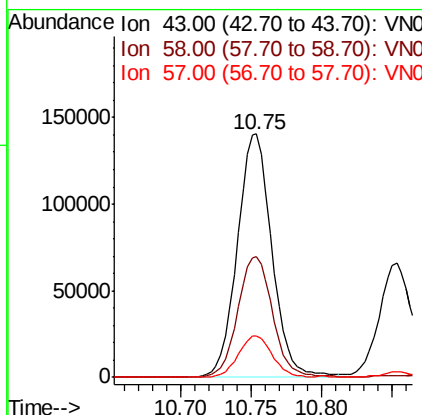
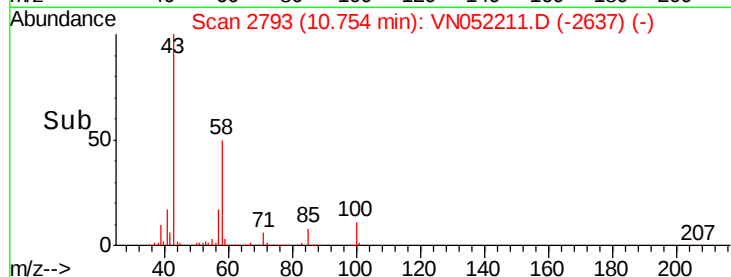
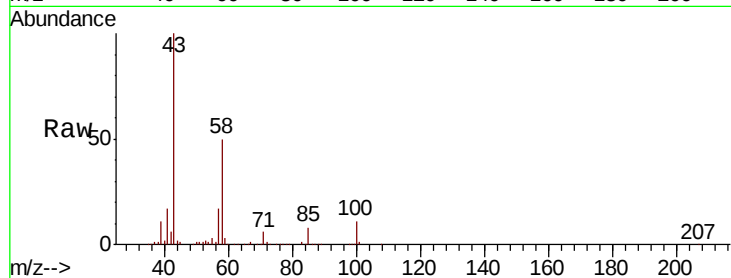
#59
2-Hexanone
Concen: 95.076 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.8	61.2
57	16.8	13.8	20.8

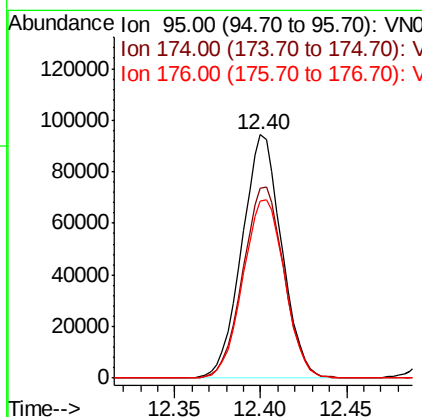
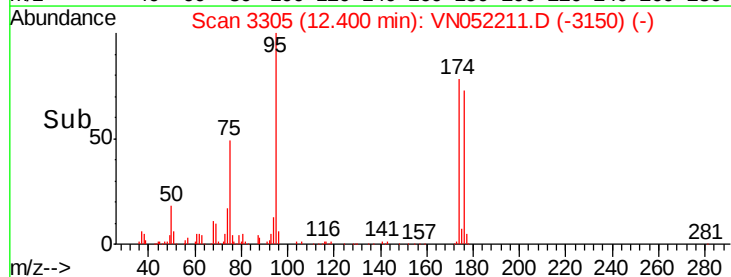
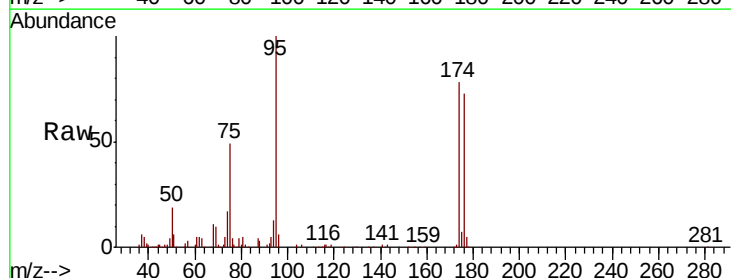
Manual Integrations
APPROVED

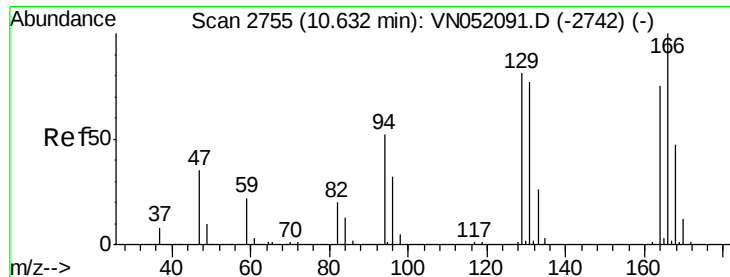
MMDadoda
11/9/2018 10:39:46 AM



#60
4-Bromofluorobenzene
Concen: 95.076 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.9	55.0	82.6
176	76.8	54.2	81.4





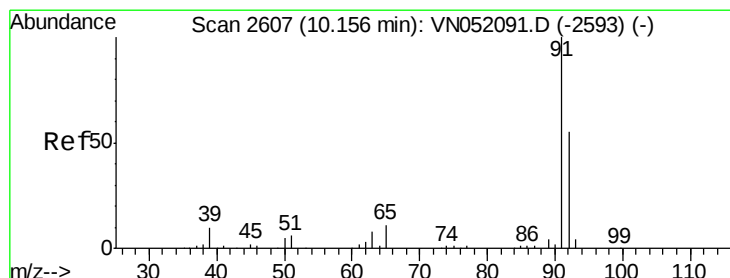
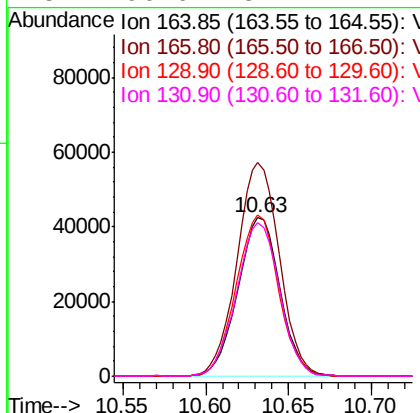
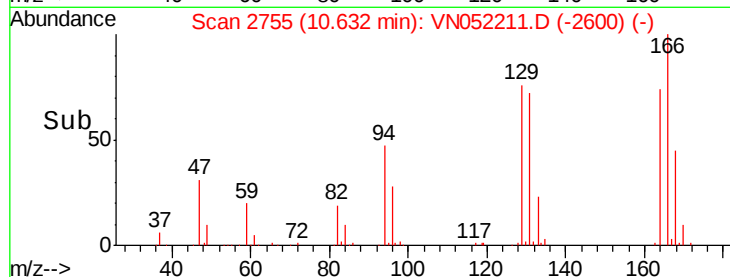
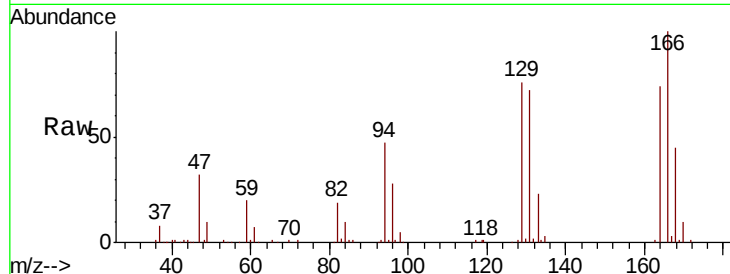
#61
Tetrachloroethene
Concen: 20.209 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	134.7	106.4	159.6
129	102.0	87.0	130.4
131	96.6	81.4	122.2

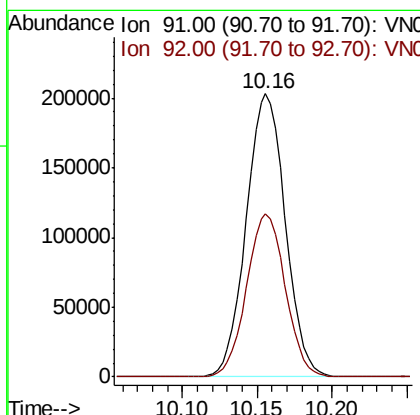
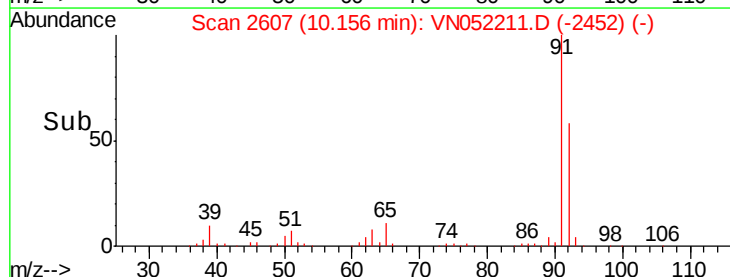
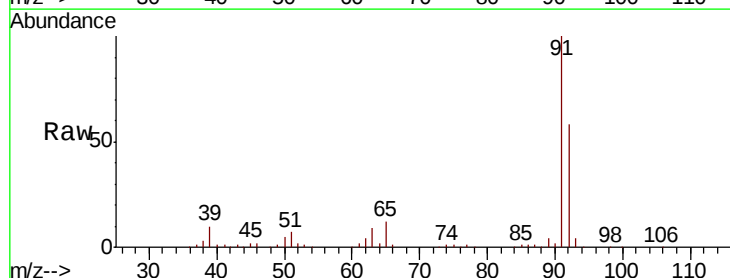
Manual Integrations
APPROVED

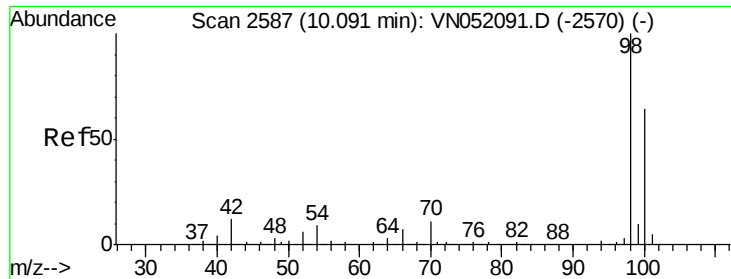
MMDadoda
11/9/2018 10:39:46 AM



#62
Toluene
Concen: 19.156 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	44.6	67.0





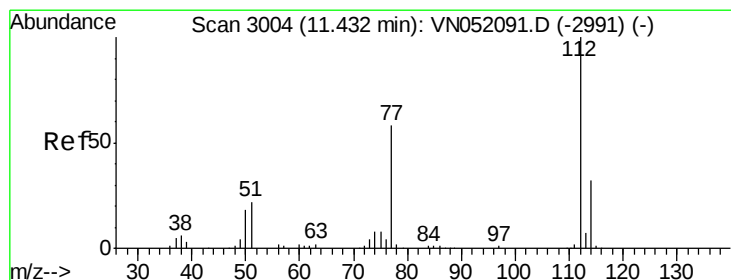
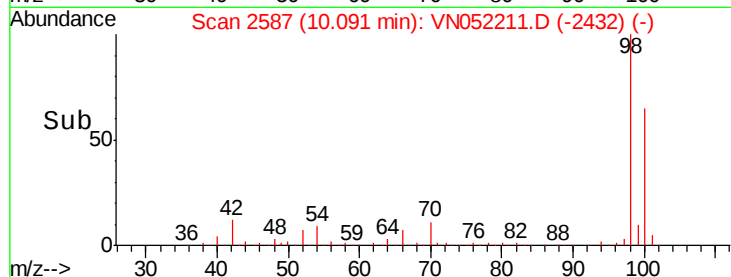
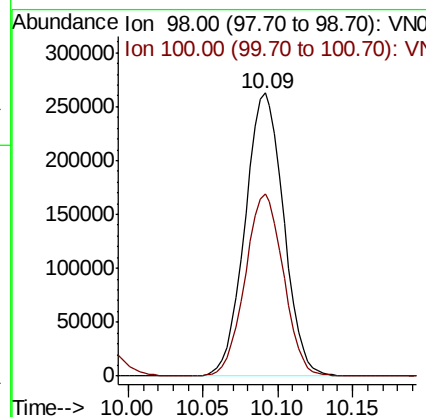
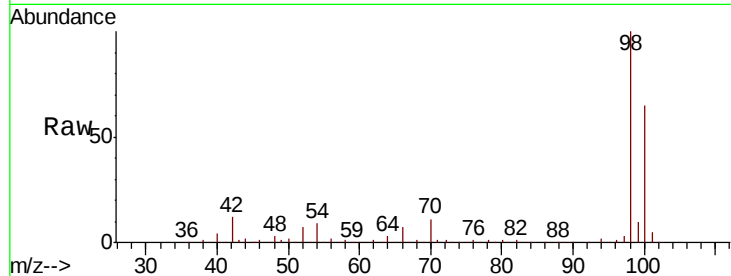
#63
Toluene-d8
Concen: 19.156 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 472682
Ion Ratio Lower Upper
98 100
100 63.6 50.7 76.1

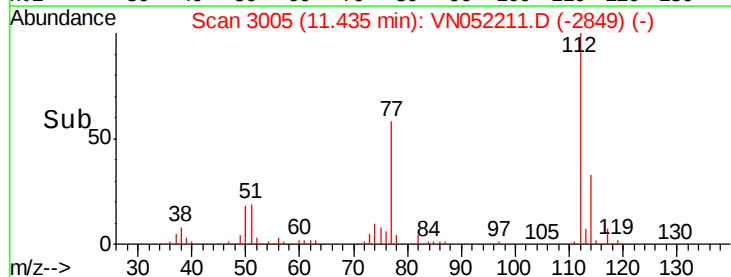
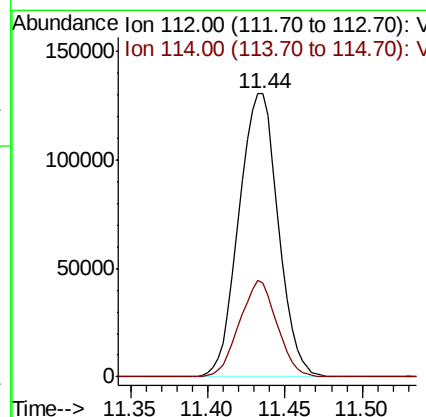
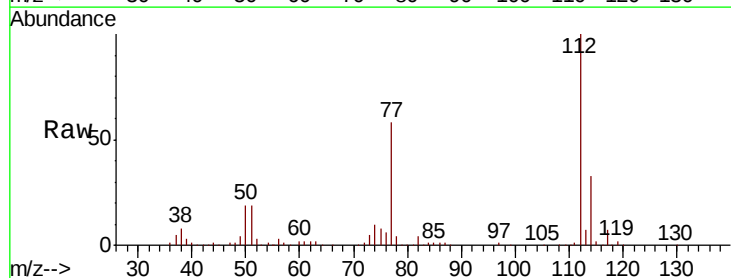
Manual Integrations
APPROVED

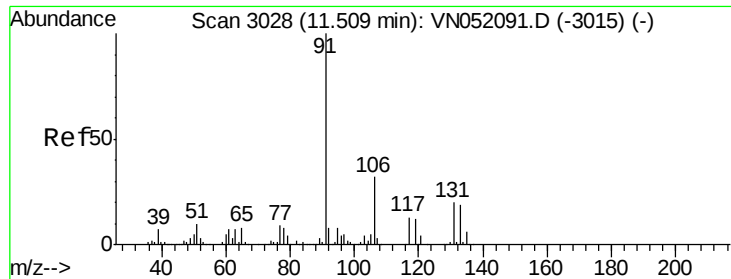
MMDadoda
11/9/2018 10:39:46 AM



#64
Chlorobenzene
Concen: 18.973 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion: 112 Resp: 231465
Ion Ratio Lower Upper
112 100
114 33.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.291 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

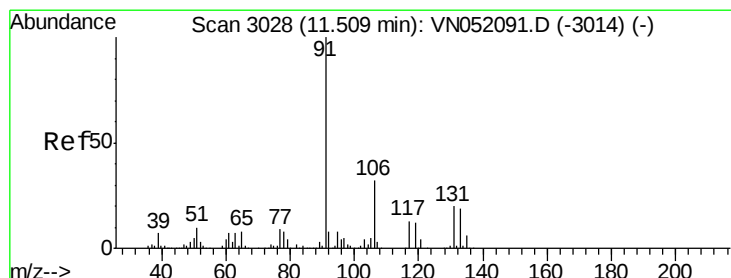
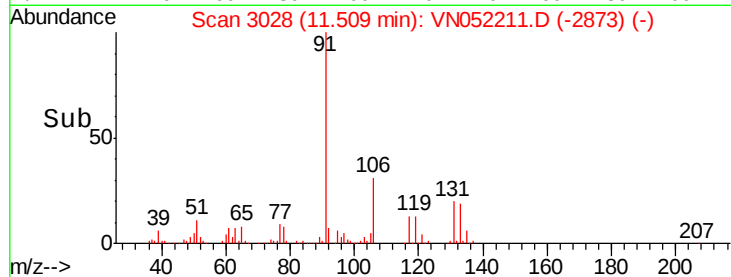
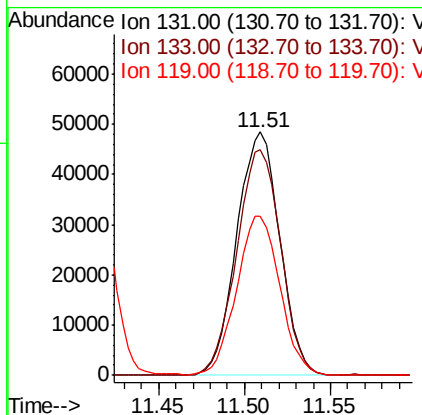
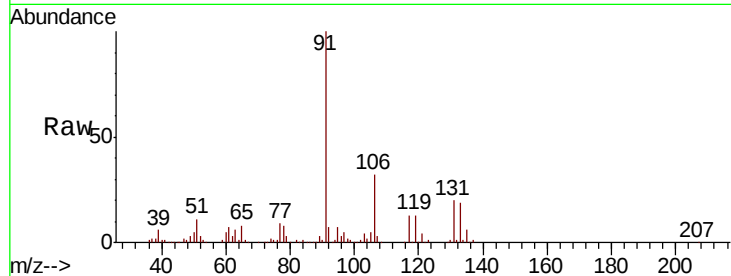
ClientSampleId :

VSTDCCC020EC

Tot Ion:	131	Resp:	84255
Ion	Ratio	Lower	Upper
131	100		
133	94.7	0.0	188.8
119	65.6	0.0	131.4

Manual Integrations
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11/9/2018 10:39:46 AM



#66

Ethyl Benzene

Concen: 18.974 ug/l

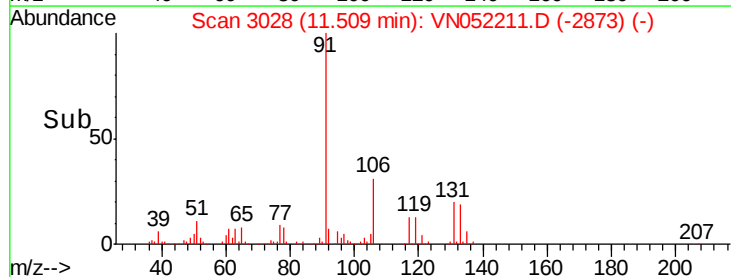
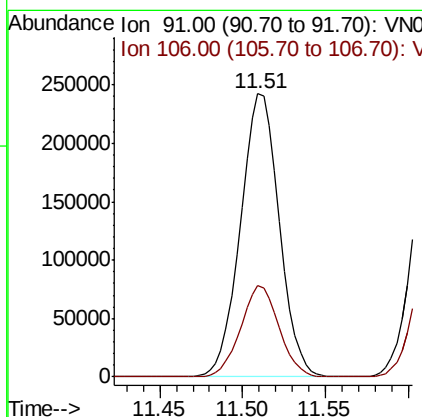
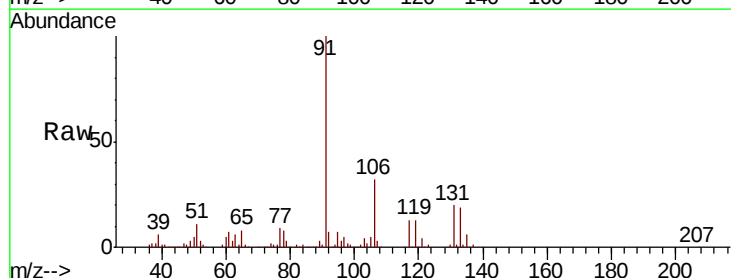
RT: 11.51 min Scan# 3028

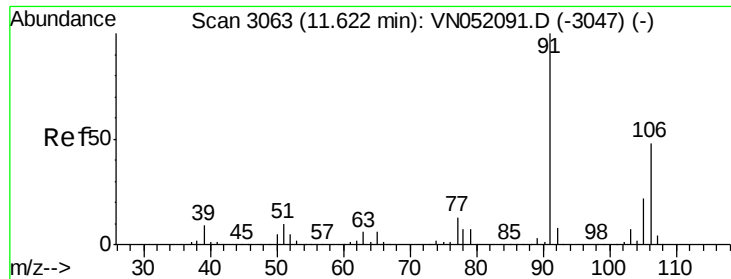
Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Tgt Ion:	91	Resp:	394527
Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5





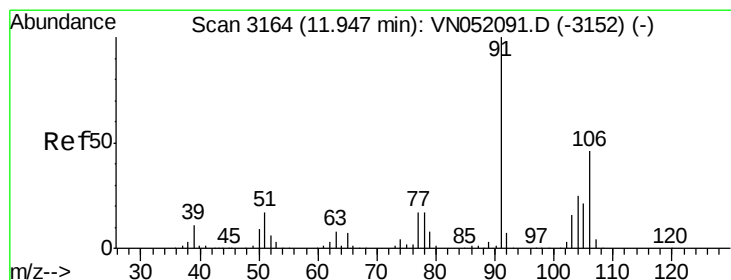
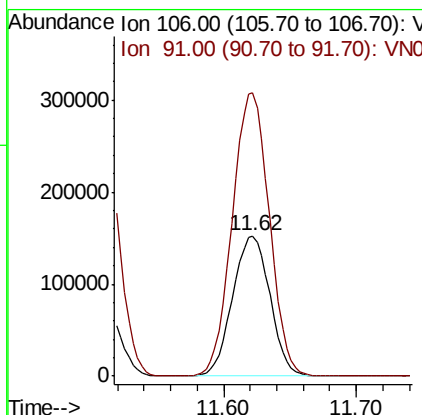
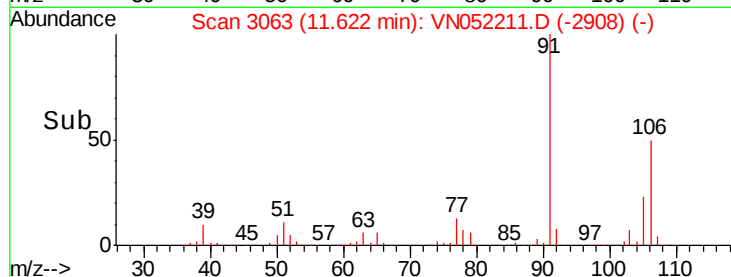
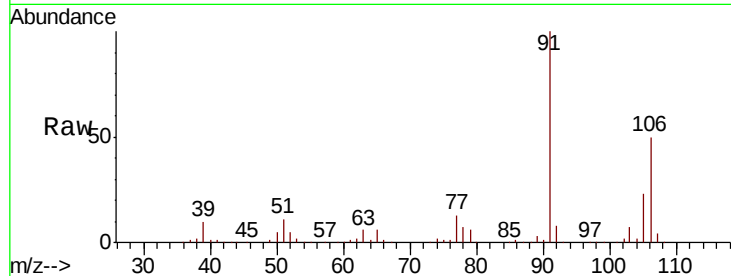
#67
m/p-Xvlenes
Concen: 37.156 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 297434
Ion Ratio Lower Upper
106 100
91 200.9 163.6 245.4

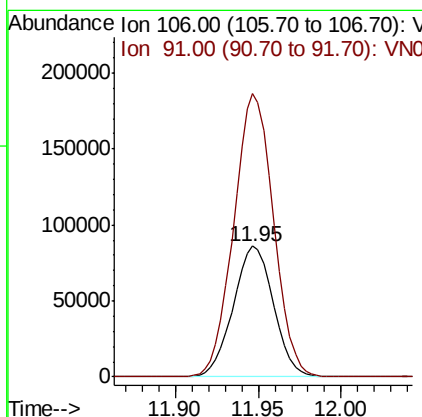
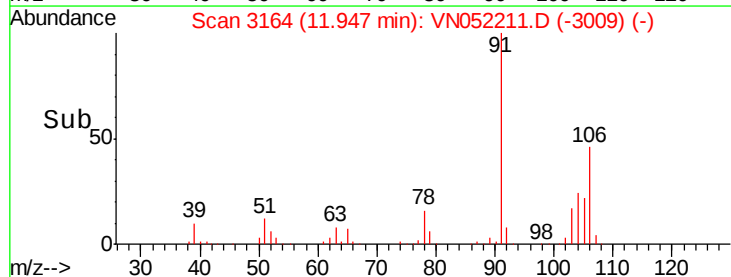
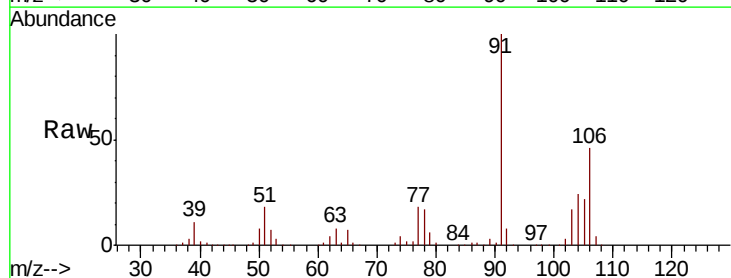
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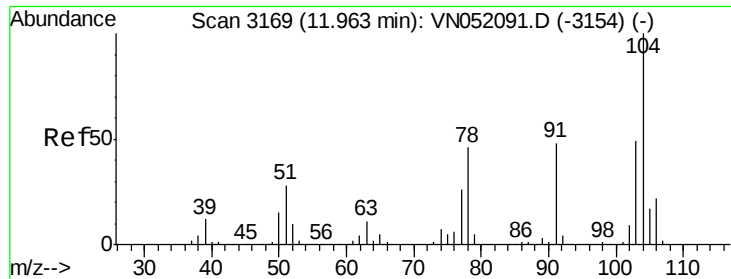
MMDadoda
11/9/2018 10:39:46 AM



#68
o-Xylene
Concen: 19.024 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion:106 Resp: 145193
Ion Ratio Lower Upper
106 100
91 213.3 110.0 330.0





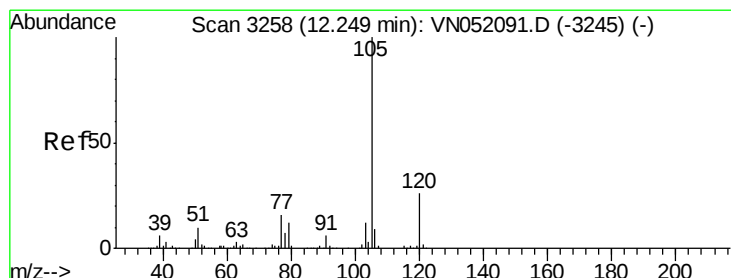
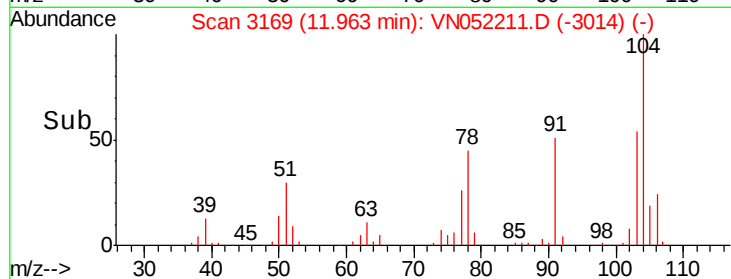
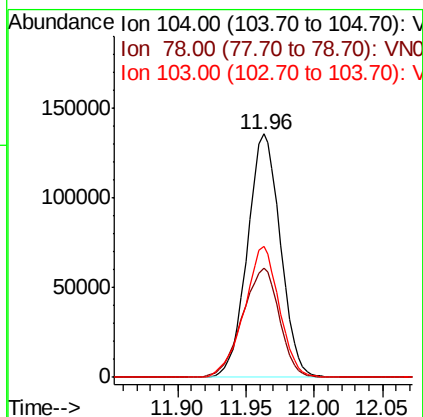
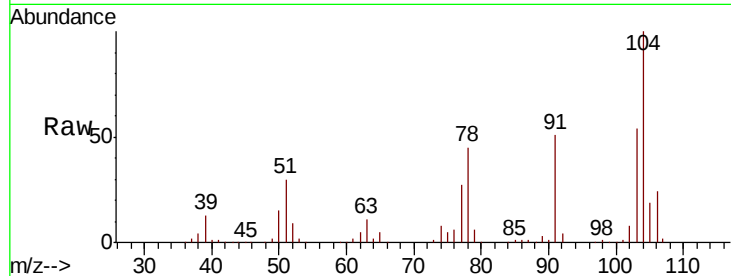
#69
Stvrene
Concen: 18.542 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	41.3	61.9
103	56.9	43.3	64.9

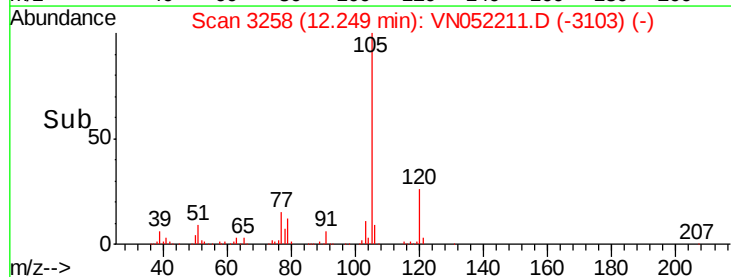
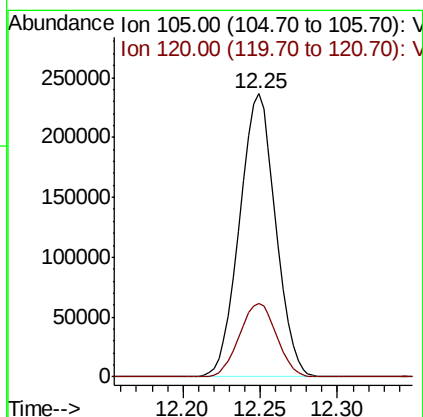
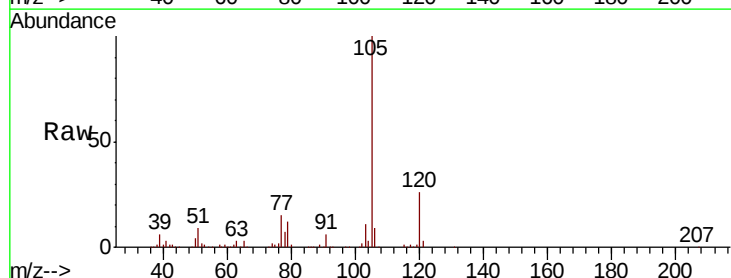
Manual Integrations
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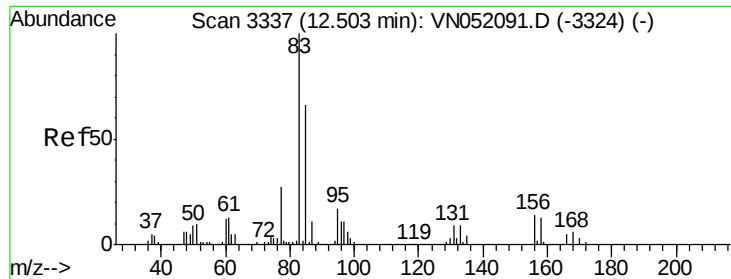
MMDadoda
11/9/2018 10:39:46 AM



#70
Isopropylbenzene
Concen: 18.720 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.312 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

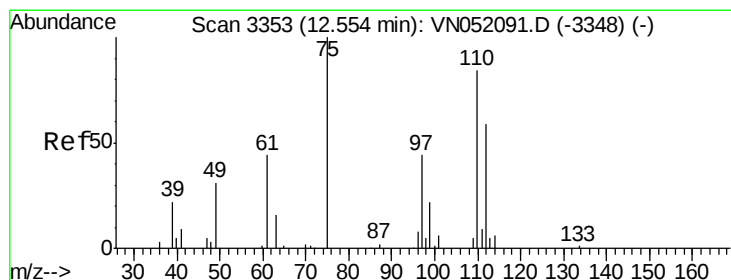
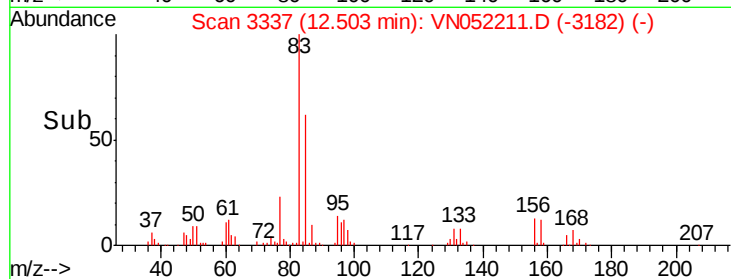
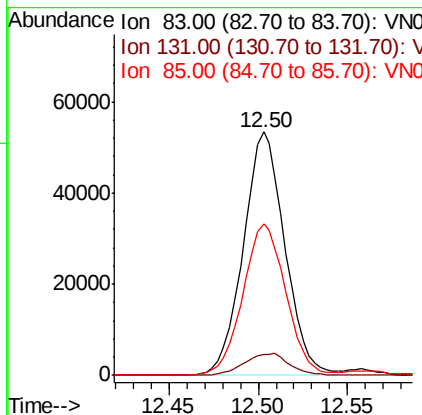
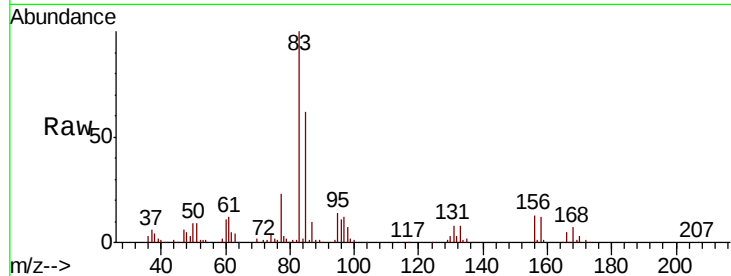
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	87030
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.0	32.7	98.1

Manual Integrations
APPROVED

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11/9/2018 10:39:46 AM



#72

1,2,3-Trichloropropane

Concen: 16.681 ug/l m

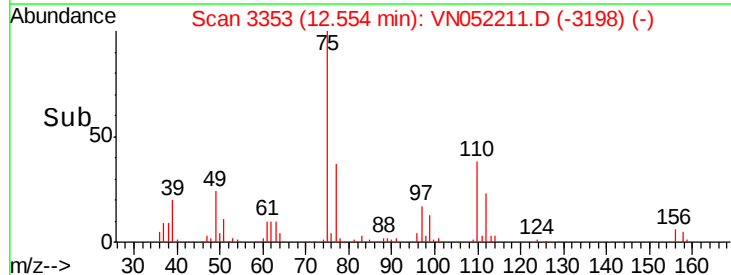
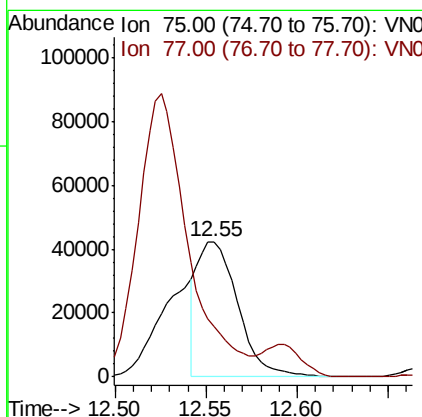
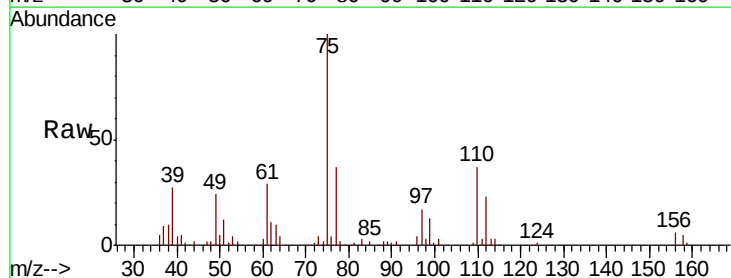
RT: 12.55 min Scan# 3353

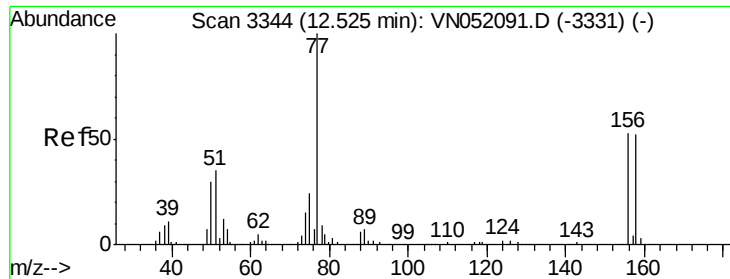
Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Tgt Ion:	75	Resp:	66094
Ion Ratio	Lower	Upper	
75	100		
77	258.7	0.0	481.8





#73

Bromobenzene

Concen: 20.195 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

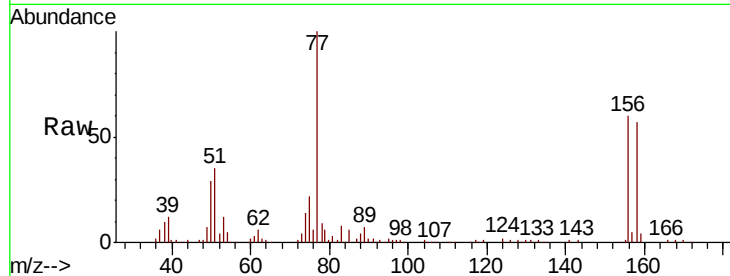
ClientSampleId :

VSTDCCC020EC

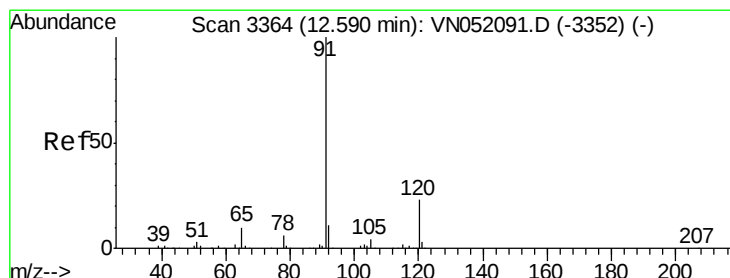
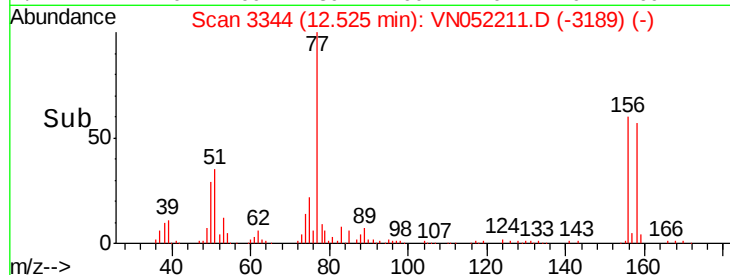
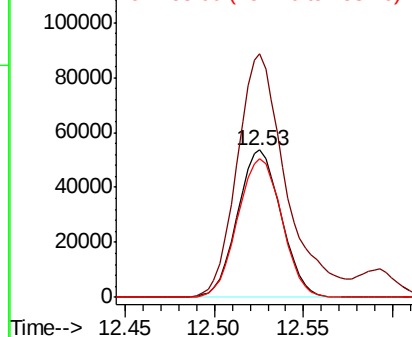
Tot Ion:	156	Resp:	91680
Ion Ratio	Lower	Upper	
156	100		
77	186.5	0.0	428.0
158	95.1	0.0	196.8

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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.146 ug/l

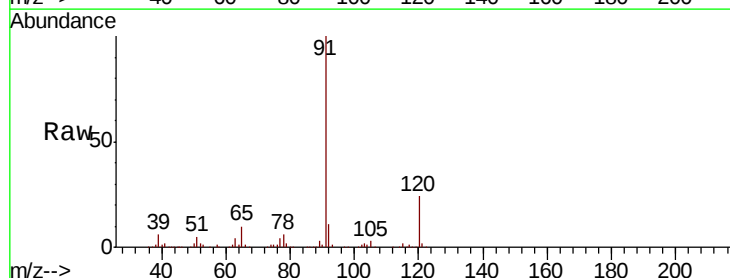
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

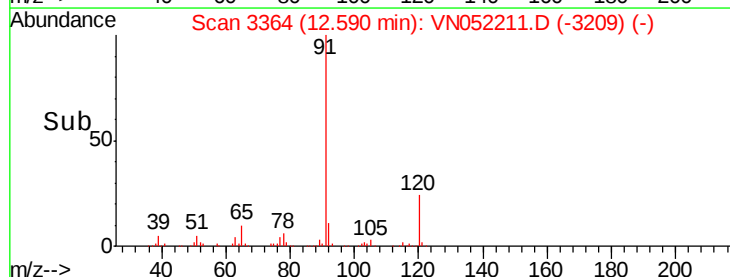
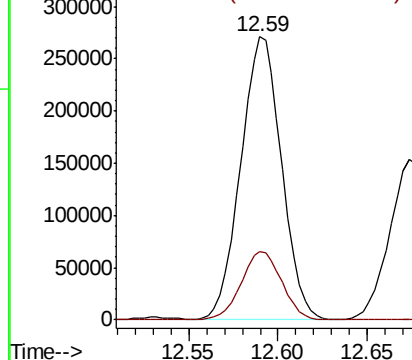
Lab File: VN052211.D

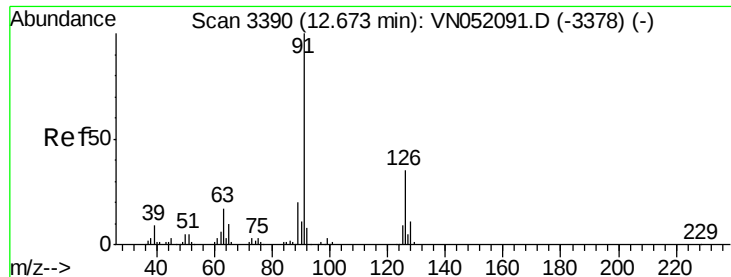
Acq: 7 Nov 2018 16:58

Tgt Ion:	91	Resp:	432945
Ion Ratio	Lower	Upper	
91	100		
120	23.9	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.210 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 250480

Ion Ratio Lower Upper

91 100

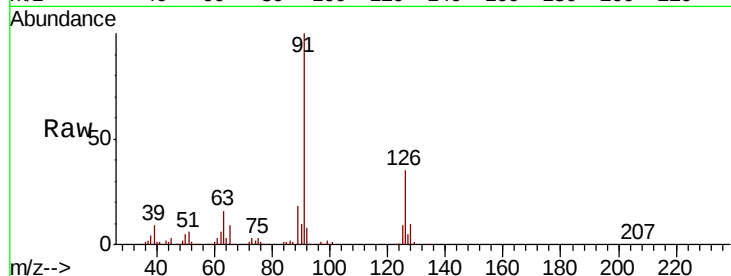
126 36.4 0.0 68.0

Manual Integrations

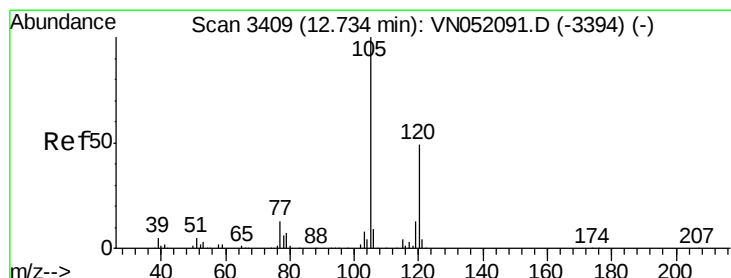
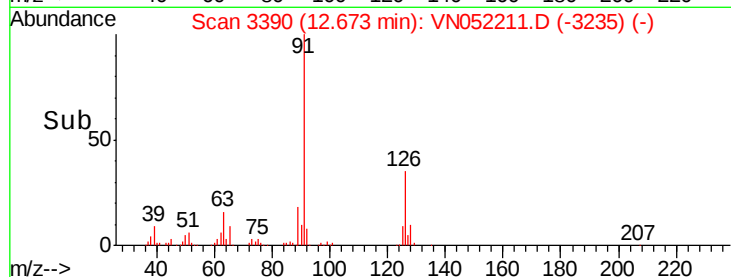
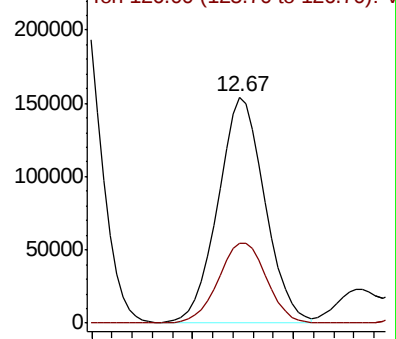
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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.407 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052211.D

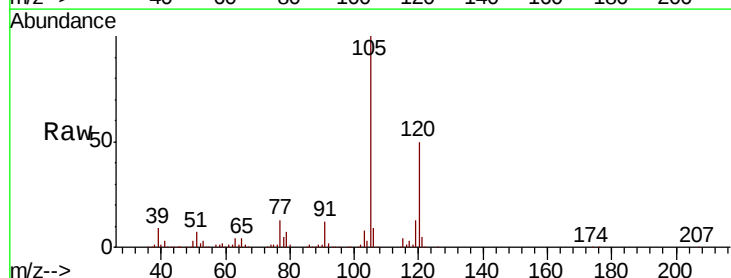
Acq: 7 Nov 2018 16:58

Tgt Ion: 105 Resp: 302402

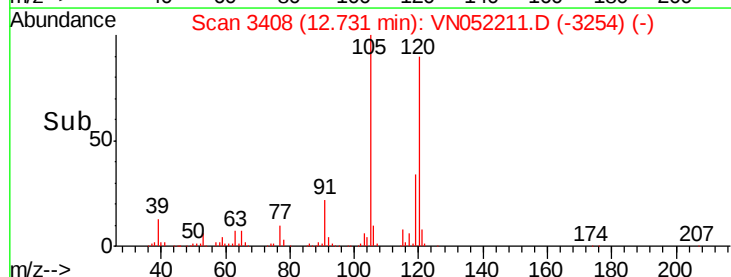
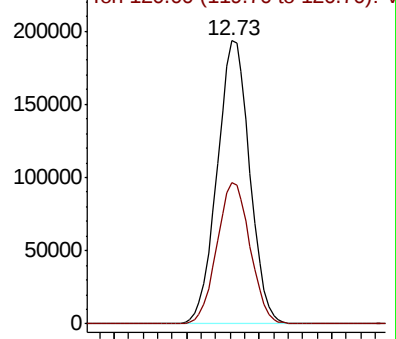
Ion Ratio Lower Upper

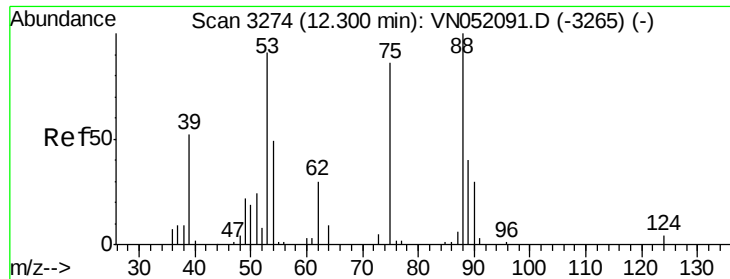
105 100

120 50.8 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.047 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 75 Resp: 21135

Ion Ratio Lower Upper

75 100

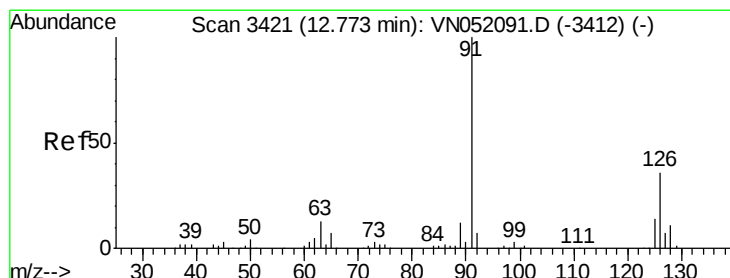
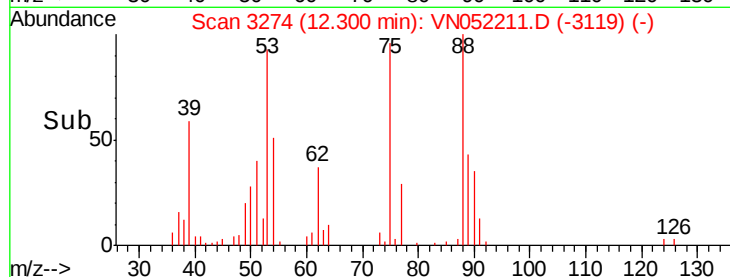
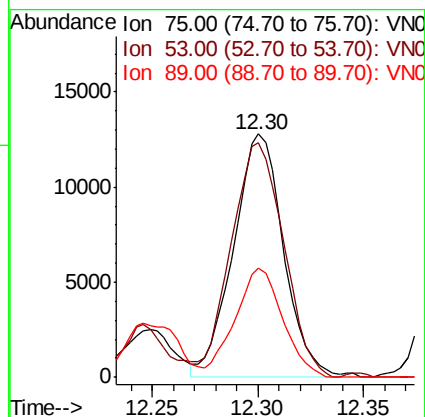
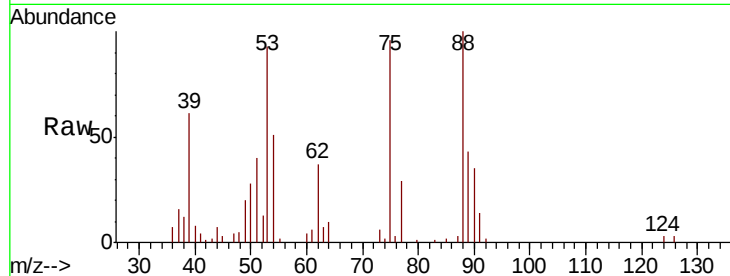
53 98.1 50.7 152.1

89 45.7 23.8 71.5

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#78

4-Chlorotoluene

Concen: 18.138 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052211.D

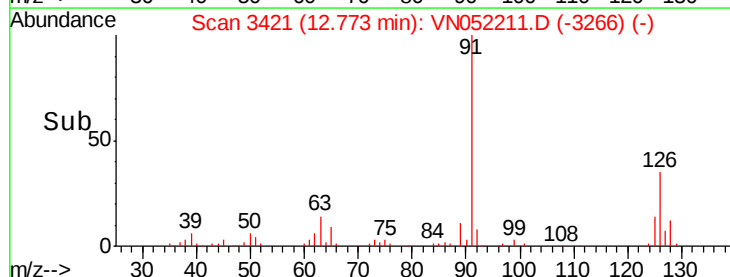
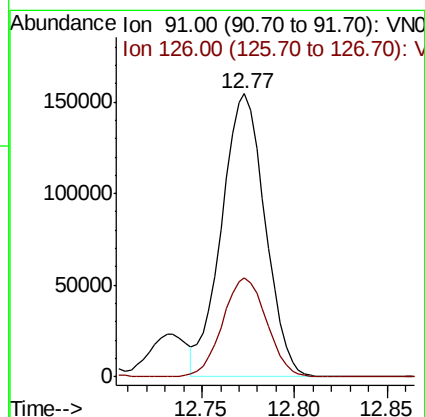
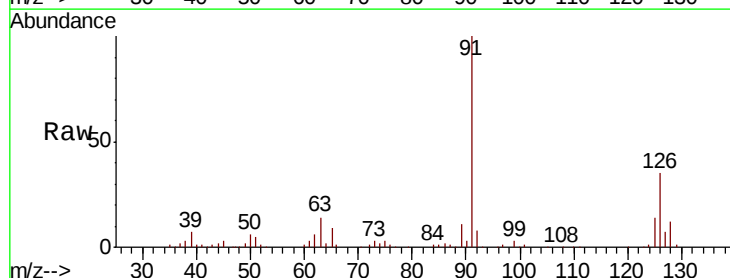
Acq: 7 Nov 2018 16:58

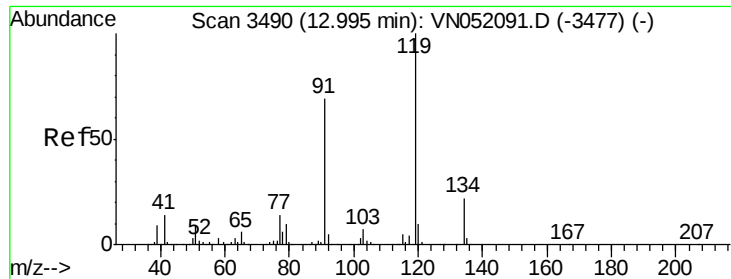
Tgt Ion: 91 Resp: 251238

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.0





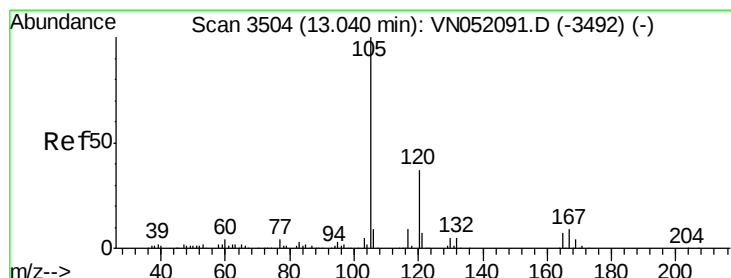
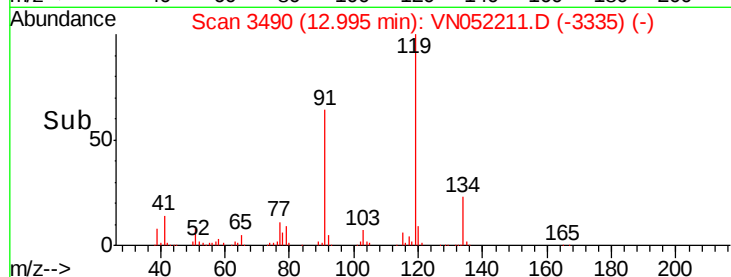
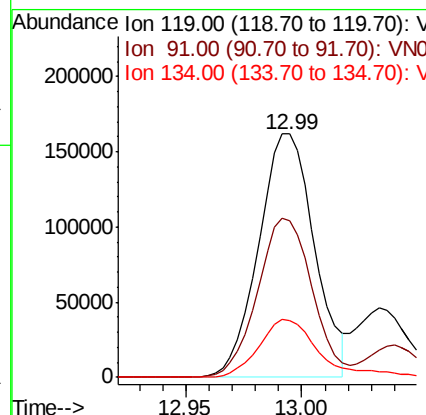
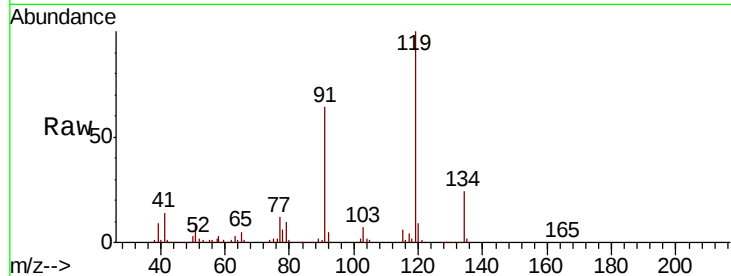
#79
tert-butylbenzene
Concen: 18.924 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	270818		
91	64.2	0.0	131.2	
134	24.3	0.0	45.8	

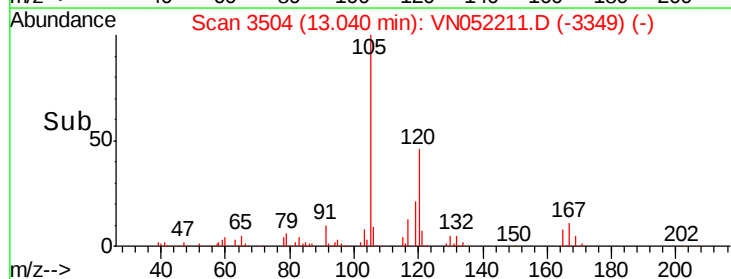
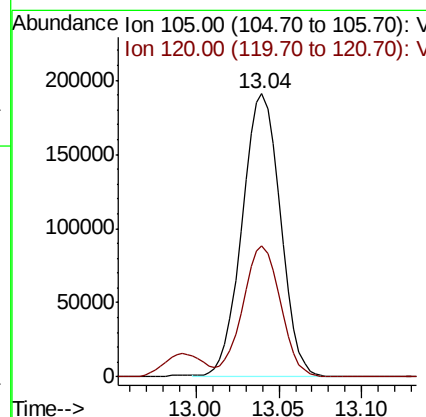
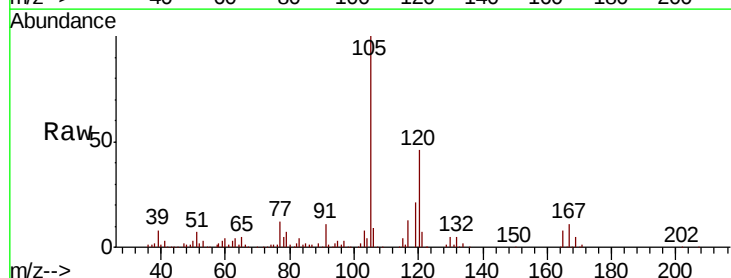
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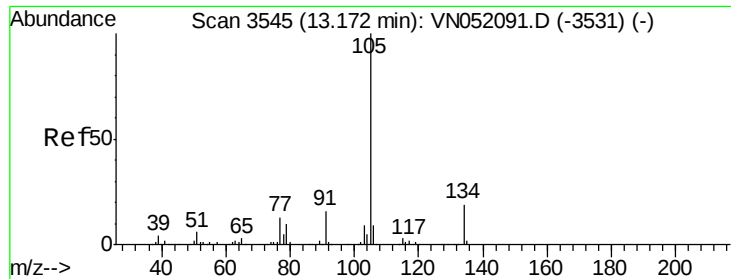
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#80
1,2,4-Trimethylbenzene
Concen: 18.790 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	307533		
120	45.7	0.0	89.4	





#81

sec-Butylbenzene

Concen: 18.496 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 364273

Ion Ratio Lower Upper

105 100

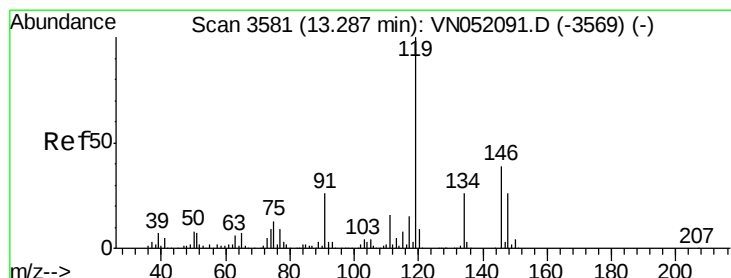
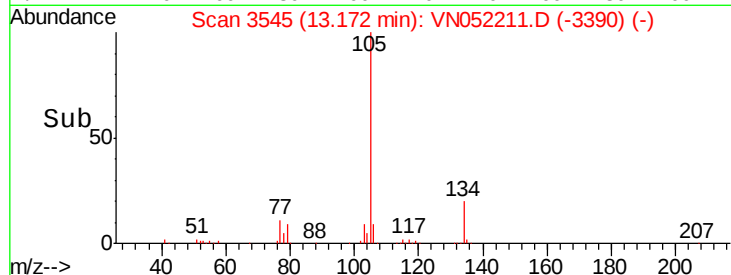
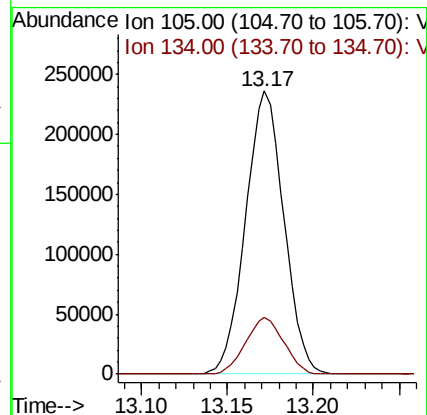
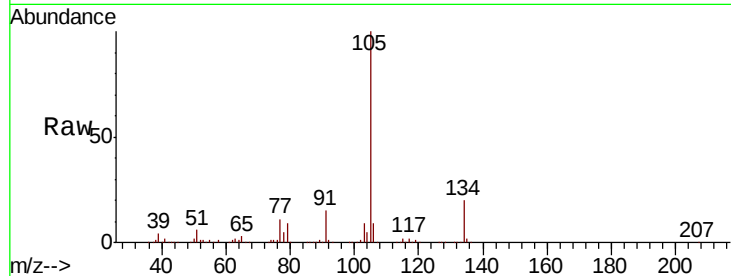
134 20.0 0.0 38.6

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#82

p-Isopropyltoluene

Concen: 18.712 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052211.D

Acq: 7 Nov 2018 16:58

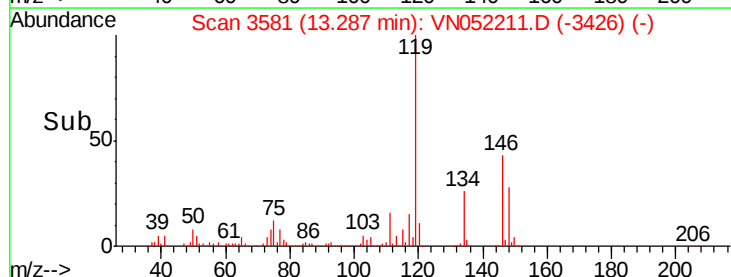
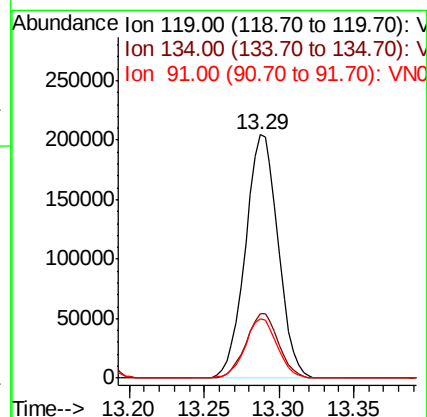
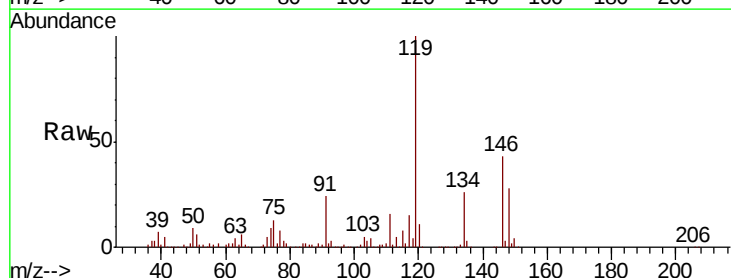
Tgt Ion:119 Resp: 311447

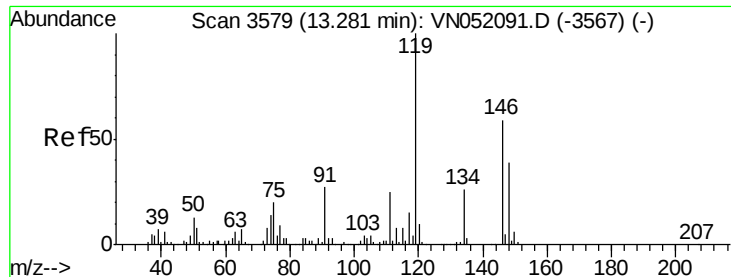
Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.0

91 23.9 0.0 50.8





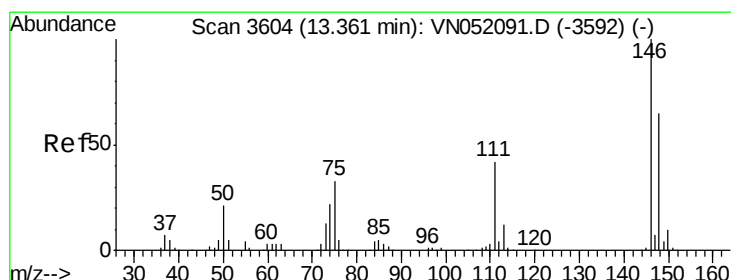
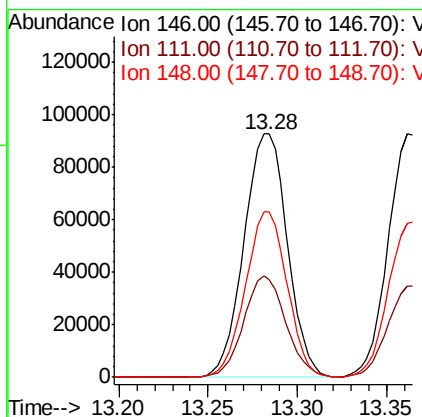
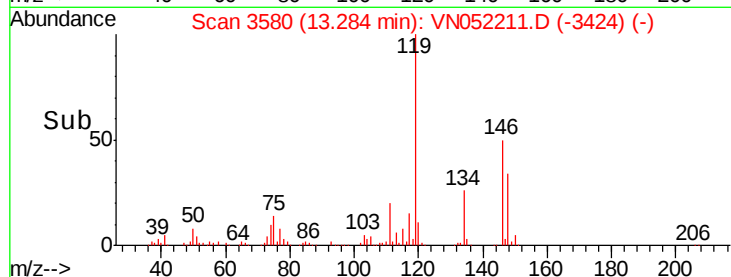
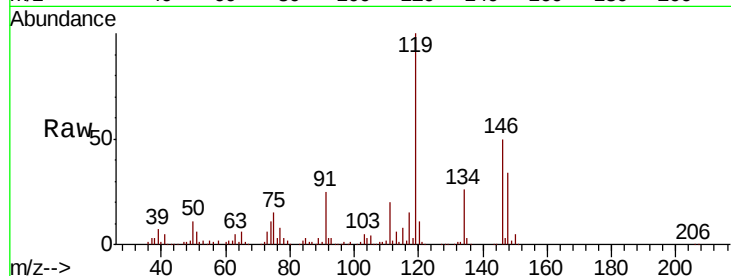
#83
1,3-Dichlorobenzene
Concen: 19.623 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.0	63.0
148	65.6	33.4	100.2

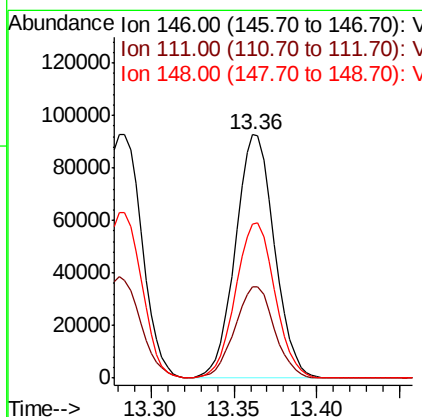
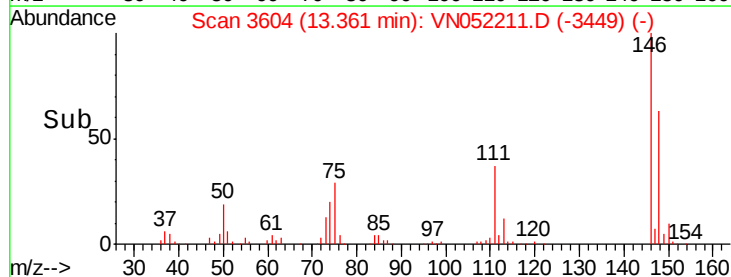
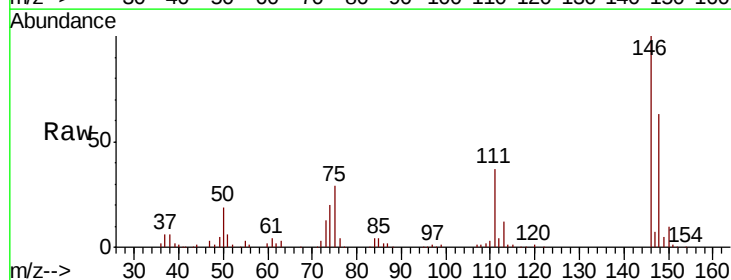
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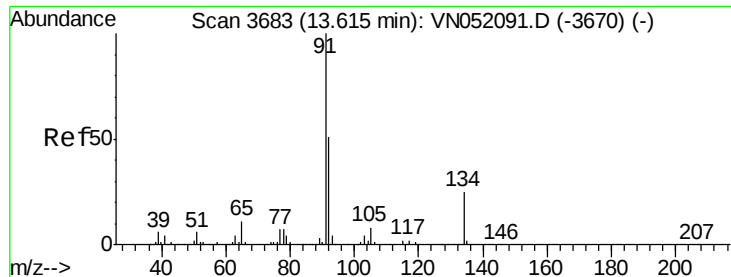
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#84
1,4-Dichlorobenzene
Concen: 19.070 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.4	64.2
148	64.5	32.6	98.0





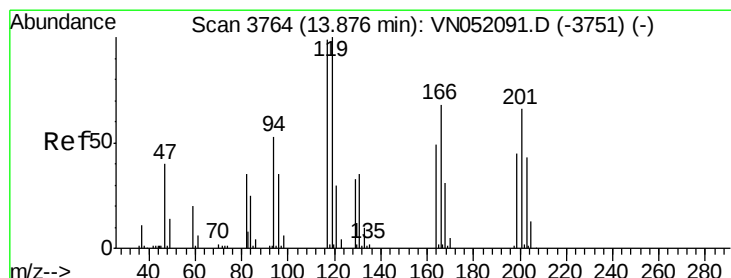
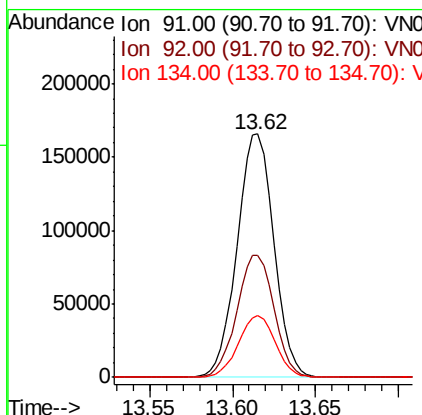
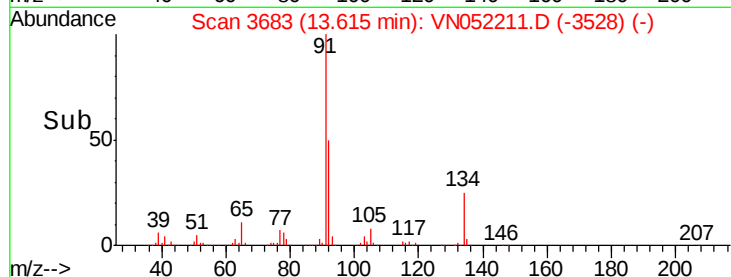
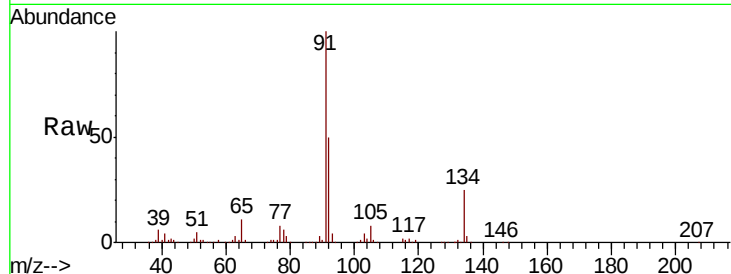
#85
n-Butylbenzene
Concen: 17.751 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	0.0	102.8
134	25.5	0.0	49.2

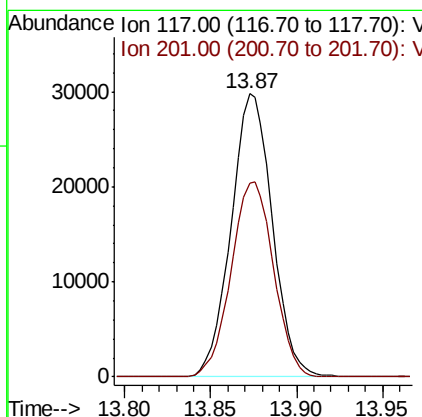
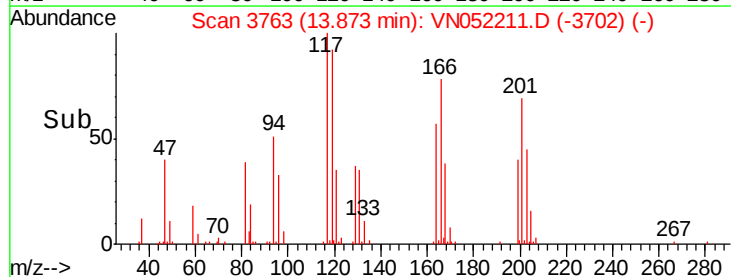
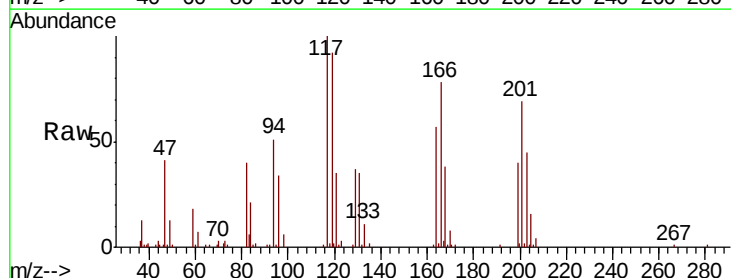
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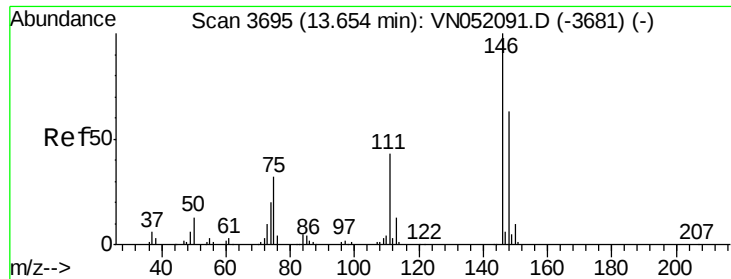
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#86
Hexachloroethane
Concen: 17.717 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	32.2	96.6





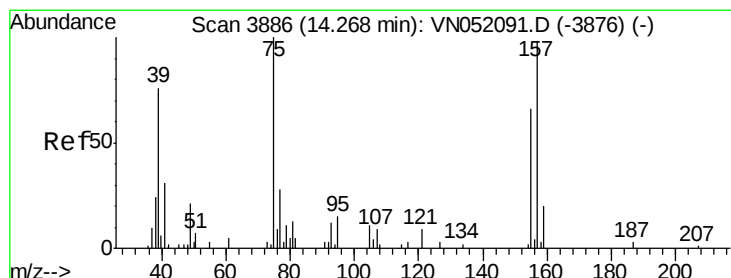
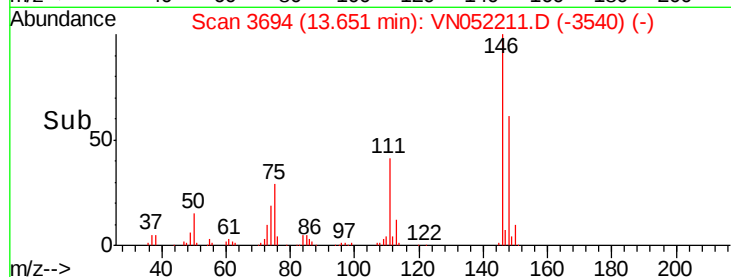
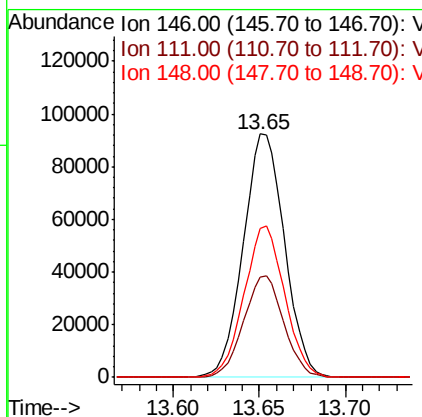
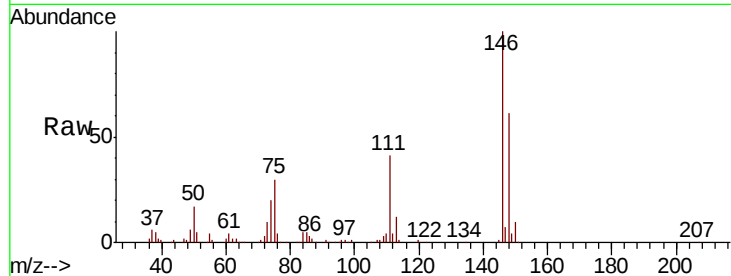
#87
 1,2-Dichlorobenzene
 Concen: 20.212 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	22.4	67.0
148	61.0	32.5	97.4

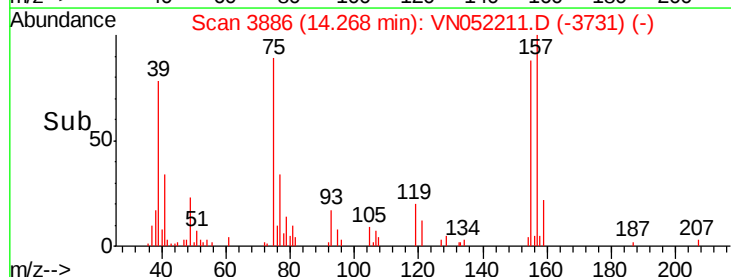
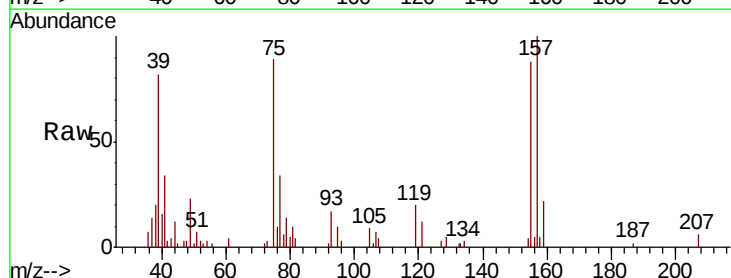
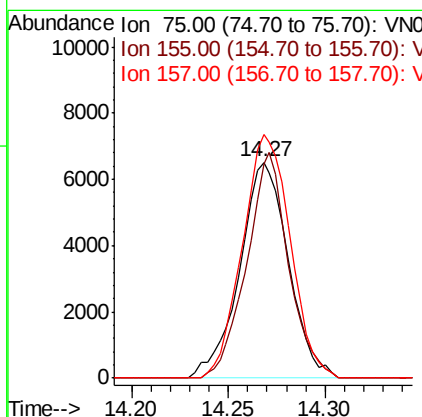
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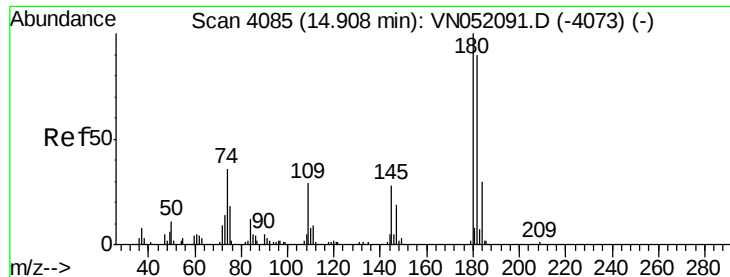
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 11/9/2018 10:39:46 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.466 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	56.7	85.1#
157	111.3	80.4	120.6





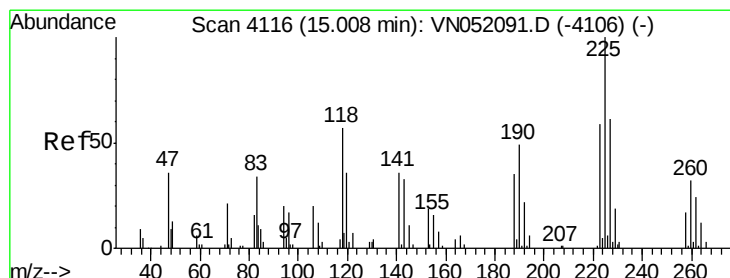
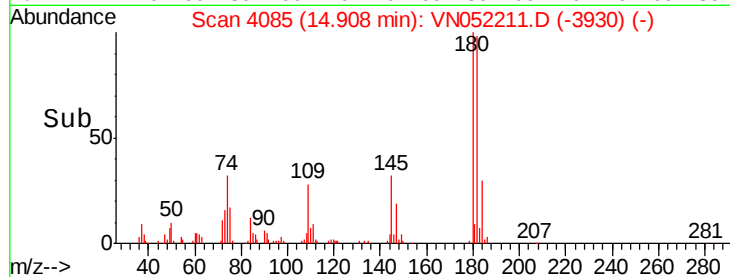
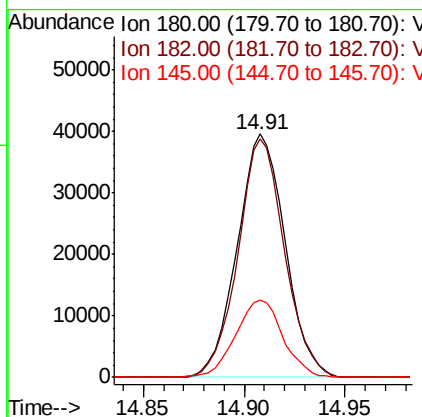
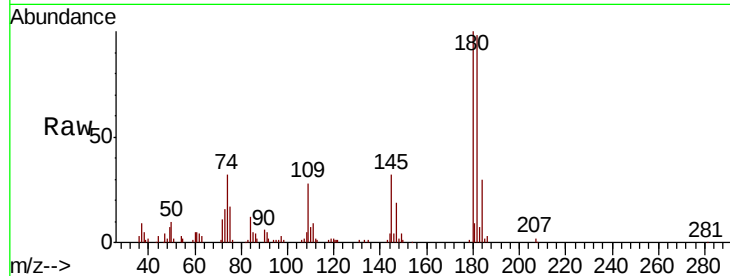
#89
 1,2,4-Trichlorobenzene
 Concen: 21.200 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.0	111.0
145	31.4	24.6	36.8

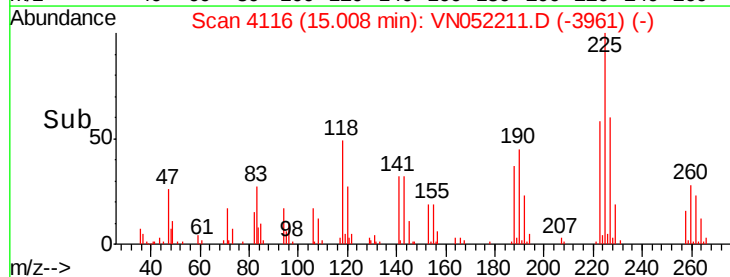
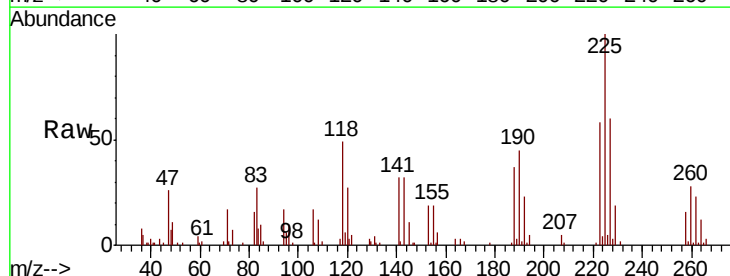
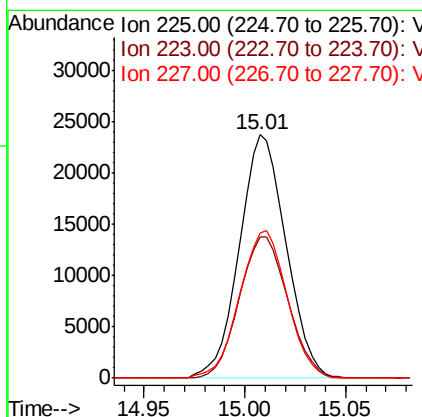
Manual Integrations
 APPROVED

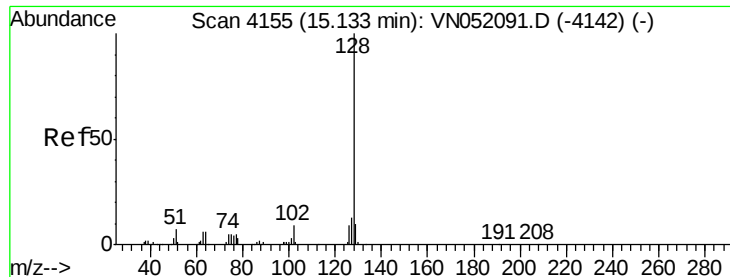
MMDadoda
 11/9/2018 10:39:46 AM



#90
 Hexachlorobutadiene
 Concen: 22.669 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052211.D
 Acq: 7 Nov 2018 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.3	0.0	121.2
227	61.7	0.0	127.2





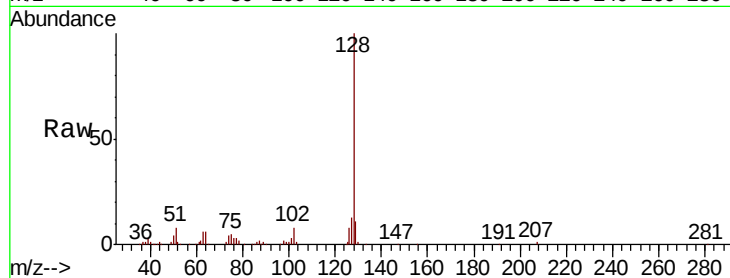
#91
Naphthalene
Concen: 21.981 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		156907		
127	13.4		10.4	15.6	
129	11.4		8.3	12.5	

Manual Integrations
APPROVED

MMDadoda
11/9/2018 10:39:46 AM

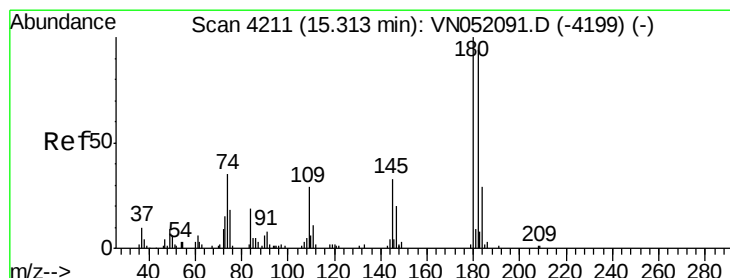
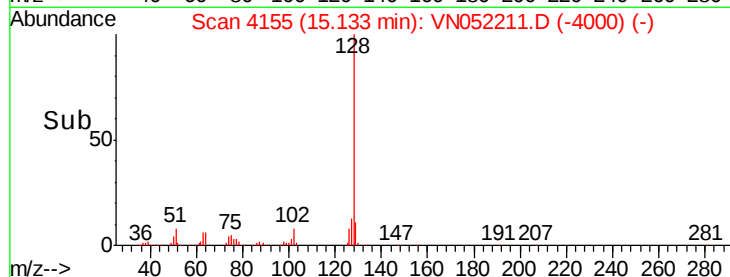
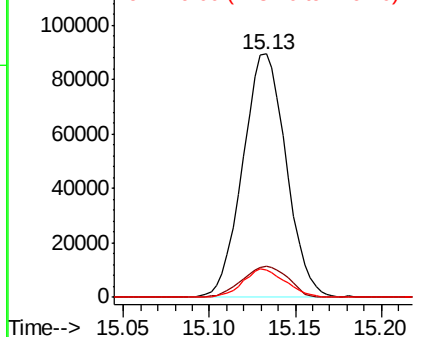


Abundance

Ion 128.00 (127.70 to 128.70): V

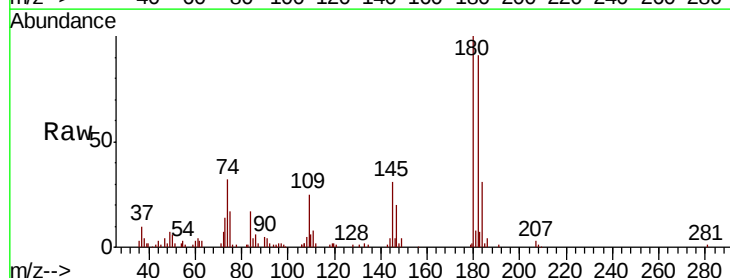
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 23.672 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052211.D
Acq: 7 Nov 2018 16:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		63894		
182	90.8		0.0	186.6	
145	32.2		0.0	66.6	



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

