

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052115.D
 Acq On : 2 Nov 2018 8:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:52:34 AM

Quant Time: Nov 02 22:23:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	579329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243428	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	215623	40.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.22%	
35) Dibromofluoromethane	7.59	113	184202	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	714695	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	254368	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	200837	49.320	ug/l	99
3) Chloromethane	2.06	50	223569	43.562	ug/l	98
4) Vinyl Chloride	2.19	62	234451	42.443	ug/l	96
5) Bromomethane	2.57	94	155591	37.549	ug/l	89
6) Chloroethane	2.71	64	147068	41.236	ug/l	95
7) Trichlorofluoromethane	3.02	101	310119	49.160	ug/l	100
8) Diethyl Ether	3.41	74	104465	44.392	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	182329	48.992	ug/l	96
10) Methyl Iodide	3.96	142	241191	49.453	ug/l	97
11) Tert butyl alcohol	4.79	59	55758	207.118	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	165984	47.228	ug/l	92
13) Acrolein	3.61	56	40025	157.644	ug/l	96
14) Allyl chloride	4.33	41	282703	40.194	ug/l	92
15) Acrylonitrile	4.99	53	336226	218.468	ug/l	99
16) Acetone	3.82	43	270618	235.828	ug/l	99
17) Carbon Disulfide	4.06	76	499899	45.140	ug/l	98
18) Methyl Acetate	4.33	43	162323	44.435	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	500587	43.364	ug/l	99
20) Methylene Chloride	4.55	84	201245	46.025	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	189635	47.321	ug/l	97
22) Diisopropyl ether	5.95	45	653235	42.969	ug/l	98
23) Vinyl Acetate	5.90	43	2329021	221.110	ug/l	98
24) 1,1-Dichloroethane	5.85	63	366483	43.112	ug/l	98
25) 2-Butanone	6.83	43	412453	229.160	ug/l	99
26) 2,2-Dichloropropane	6.83	77	298996	44.288	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	219530	45.871	ug/l	96
28) Bromochloromethane	7.20	49	166397	39.498	ug/l	88
29) Tetrahydrofuran	7.21	42	268169	223.644	ug/l	99
30) Chloroform	7.37	83	372014	43.842	ug/l	97
31) Cyclohexane	7.65	56	348725	43.905	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	324299	47.523	ug/l	97
36) 1,1-Dichloropropene	7.79	75	280876	47.681	ug/l	96
37) Ethyl Acetate	6.93	43	182656	46.326	ug/l	97
38) Carbon Tetrachloride	7.78	117	289586	57.014	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	350594	50.153	ug/l	96
40) Benzene	8.04	78	847577	49.744	ug/l	99
41) Methacrylonitrile	7.18	41	101842	50.054	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	276234	43.932	ug/l	97
43) Isopropyl Acetate	8.17	43	334005	47.629	ug/l	100
44) Trichloroethene	8.84	130	210739	55.305	ug/l	91
45) 1,2-Dichloropropane	9.12	63	220445	45.418	ug/l	100
46) Dibromomethane	9.21	93	139470	51.414	ug/l	92
47) Bromodichloromethane	9.40	83	285173	50.404	ug/l	92
48) Methyl methacrylate	9.20	41	166423	46.808	ug/l	98
49) 1,4-Dioxane	9.20	88	29628	993.967	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	930378	244.091	ug/l	100
52) Toluene	10.16	92	521890	50.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	293117	49.003	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	336574	50.666	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	186747	50.977	ug/l	97
56) Ethyl methacrylate	10.43	69	255196	48.700	ug/l	97
57) 1,3-Dichloropropane	10.71	76	323305	47.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	677420	243.034	ug/l	96
59) 2-Hexanone	10.75	43	669965	246.653	ug/l	99
60) Dibromochloromethane	10.90	129	210238	58.295	ug/l	99
61) 1,2-Dibromoethane	11.01	107	192149	52.763	ug/l	99
64) Tetrachloroethene	10.63	164	179733	55.282	ug/l	98
65) Chlorobenzene	11.43	112	583811	51.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	202653	57.097	ug/l	99
67) Ethyl Benzene	11.51	91	1018482	50.526	ug/l	97
68) m/p-Xylenes	11.62	106	782652	108.476	ug/l	95
69) o-Xylene	11.95	106	376576	52.746	ug/l	97
70) Styrene	11.96	104	625715	54.166	ug/l	97
71) Bromoform	12.13	173	121001	52.918	ug/l #	99
73) Isopropylbenzene	12.25	105	1014587	48.739	ug/l	97
74) N-amyl acetate	12.07	43	312491	43.015	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226705	45.417	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	208970m	46.896	ug/l	
77) Bromobenzene	12.53	156	228604	52.487	ug/l	83
78) n-propylbenzene	12.59	91	1188800	47.130	ug/l	97
79) 2-Chlorotoluene	12.67	91	679575	46.216	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	820405	48.431	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63570	47.351	ug/l	99
82) 4-Chlorotoluene	12.77	91	703554	46.921	ug/l	94
83) tert-Butylbenzene	12.99	119	701046	49.266	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	825788	48.976	ug/l	98
85) sec-Butylbenzene	13.17	105	986253	48.518	ug/l	97
86) p-Isopropyltoluene	13.29	119	841232	50.814	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	413620	52.074	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	410968	51.623	ug/l	97
89) n-Butylbenzene	13.62	91	727173	46.058	ug/l	96
90) Hexachloroethane	13.87	117	143372	50.534	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	398444	53.355	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32212	44.867	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161070	57.922	ug/l	97
94) Hexachlorobutadiene	15.01	225	79907	51.341	ug/l	97
95) Naphthalene	15.13	128	390077	55.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	138215	57.597	ug/l	99

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

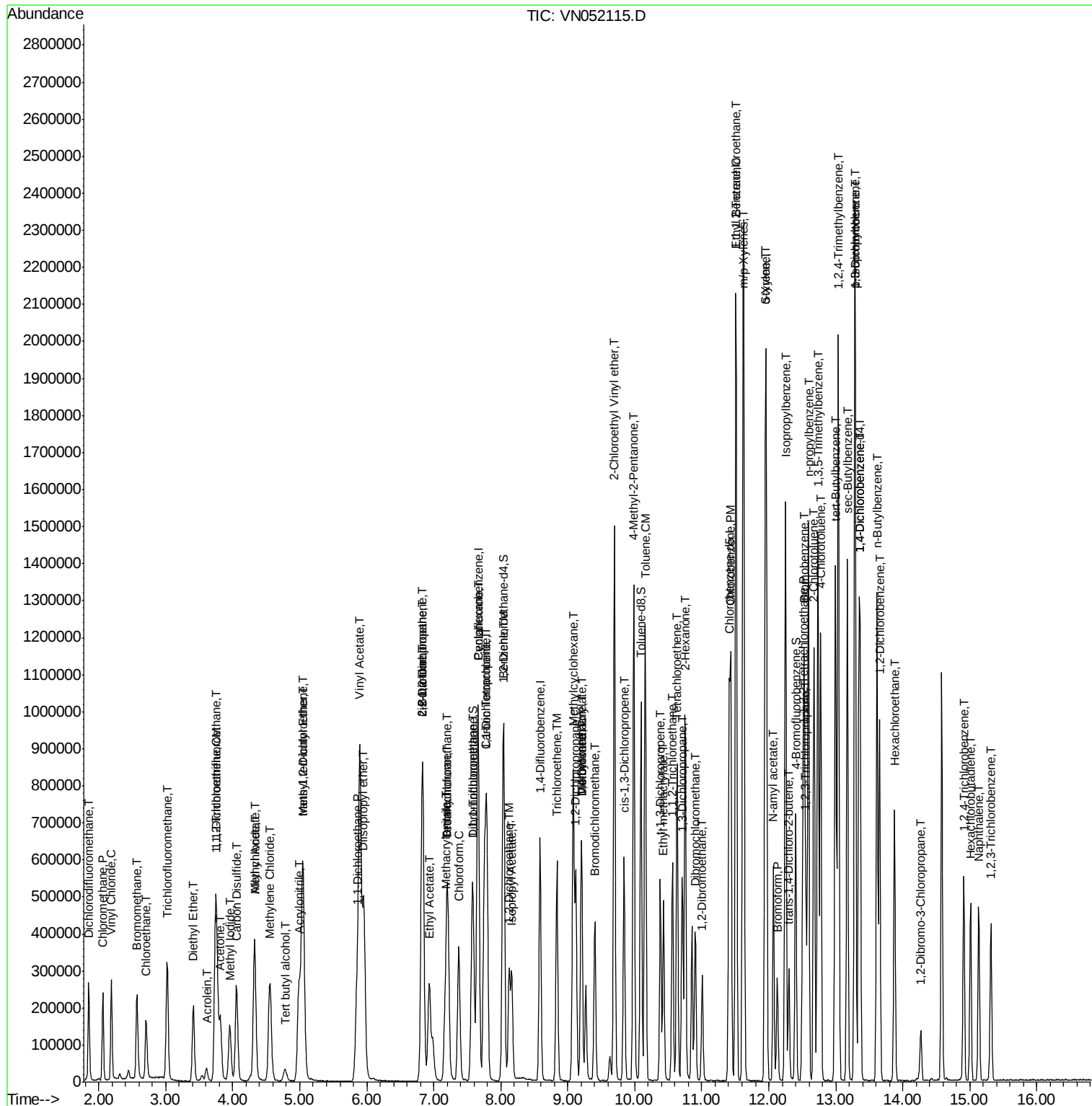
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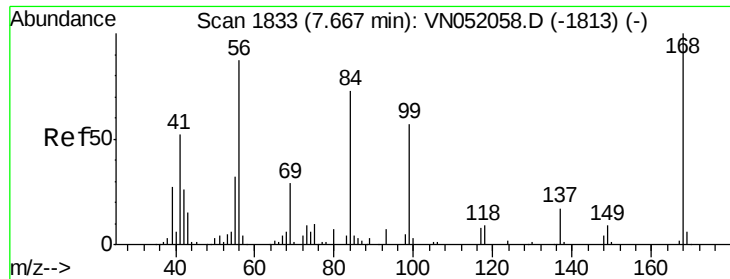
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 335013

Ion Ratio Lower Upper

168 100

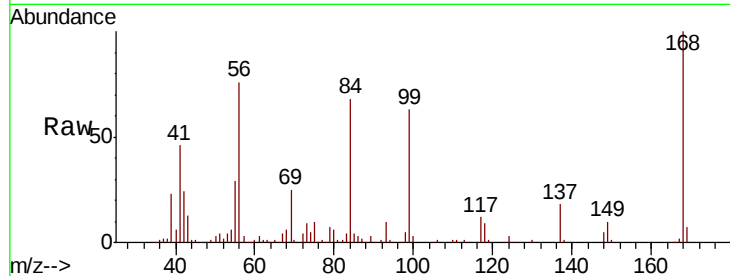
99 63.1 56.6 85.0

Manual Integrations

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11/5/2018 11:52:34 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

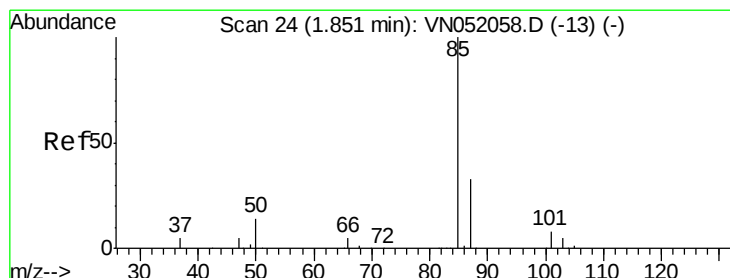
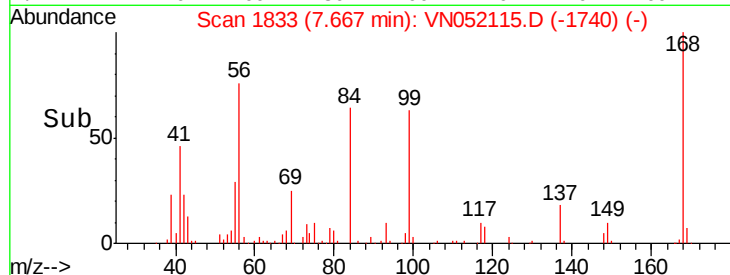
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.320 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052115.D

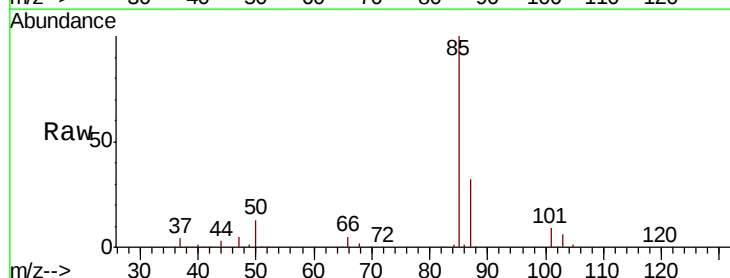
Acq: 2 Nov 2018 8:48

Tgt Ion: 85 Resp: 200837

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

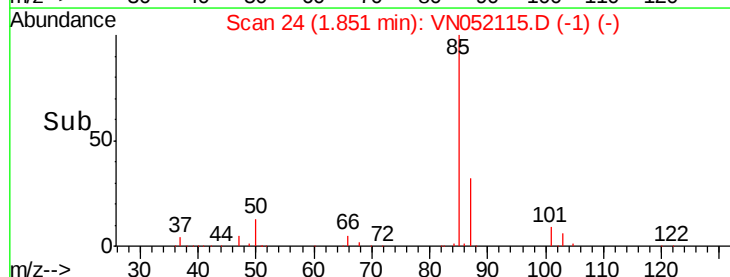
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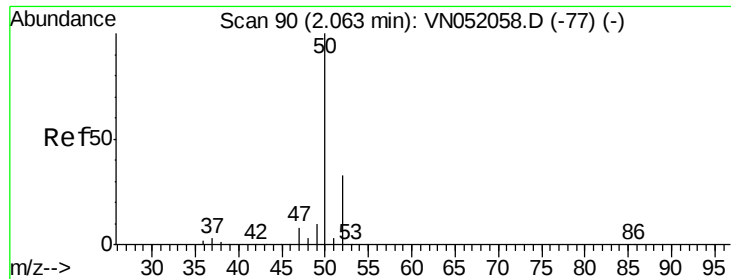
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.562 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 223569

Ion Ratio Lower Upper

50 100

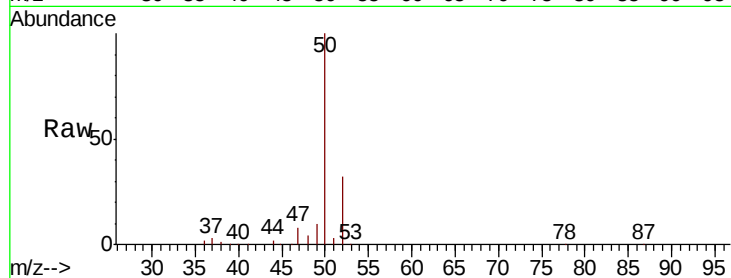
52 32.2 26.6 39.8

Manual Integrations

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11/5/2018 11:52:34 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

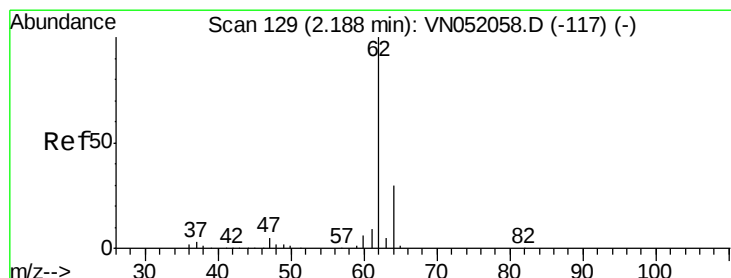
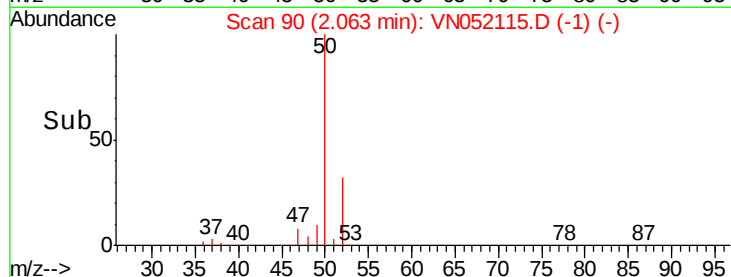
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 42.443 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052115.D

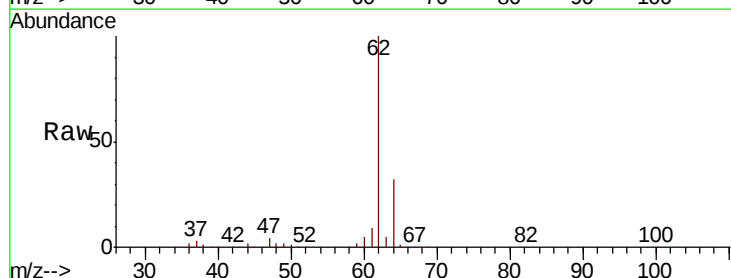
Acq: 2 Nov 2018 8:48

Tgt Ion: 62 Resp: 234451

Ion Ratio Lower Upper

62 100

64 31.8 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

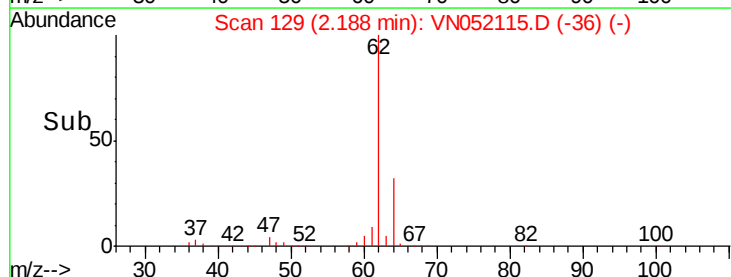
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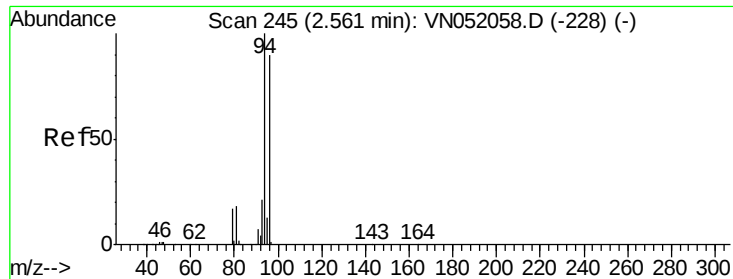
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50000

0

Time-->





#5

Bromomethane

Concen: 37.549 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 155591

Ion Ratio Lower Upper

94 100

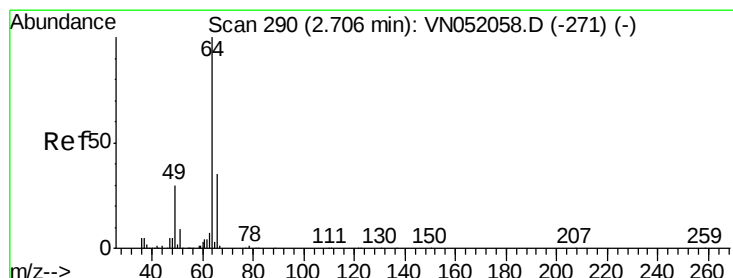
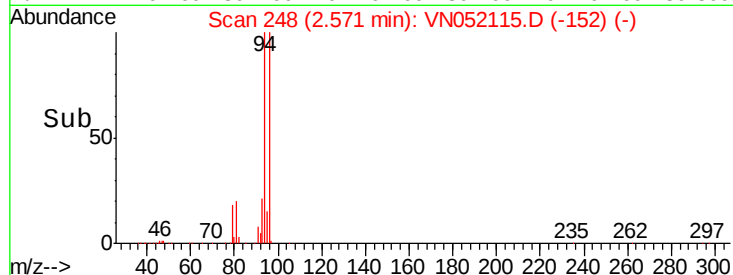
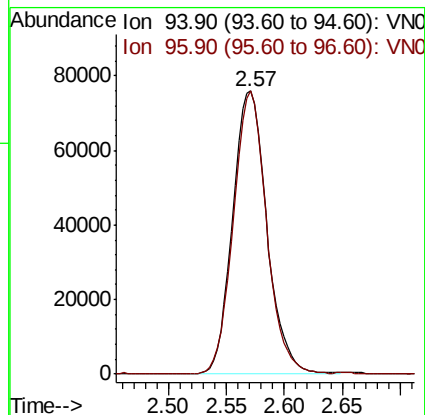
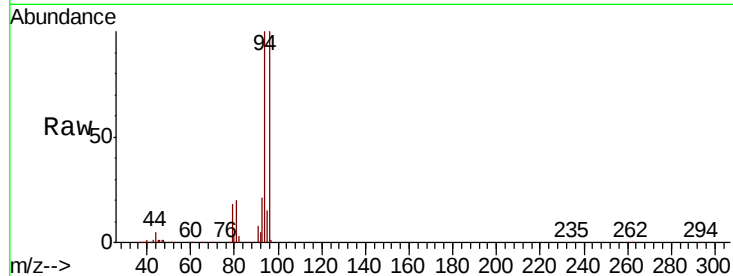
96 100.0 71.8 107.6

Manual Integrations

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#6

Chloroethane

Concen: 41.236 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052115.D

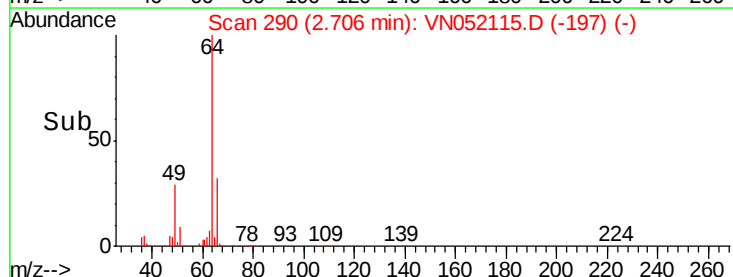
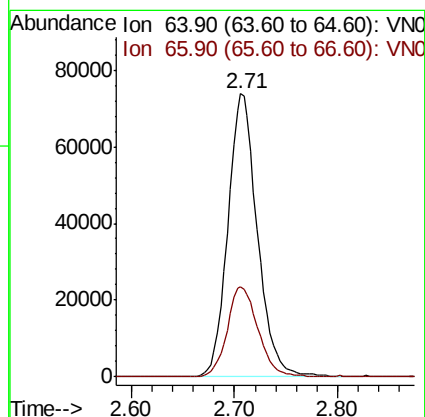
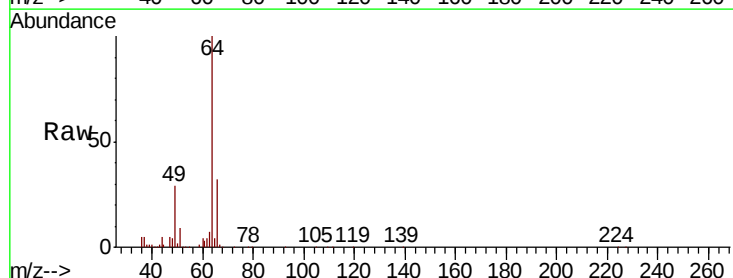
Acq: 2 Nov 2018 8:48

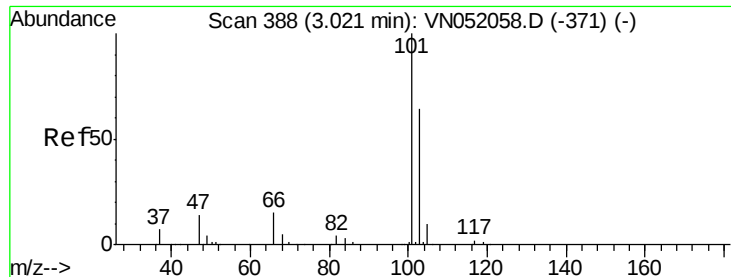
Tgt Ion: 64 Resp: 147068

Ion Ratio Lower Upper

64 100

66 31.8 27.9 41.9





#7

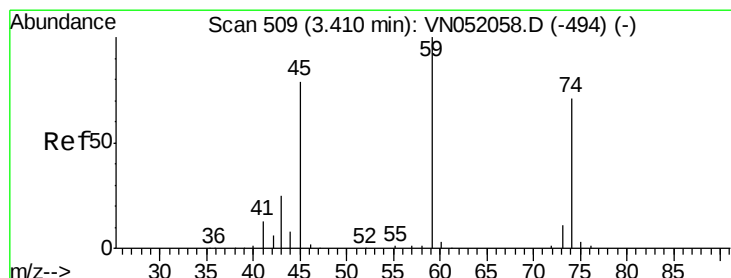
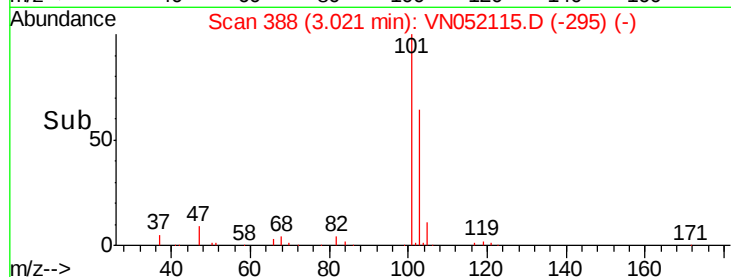
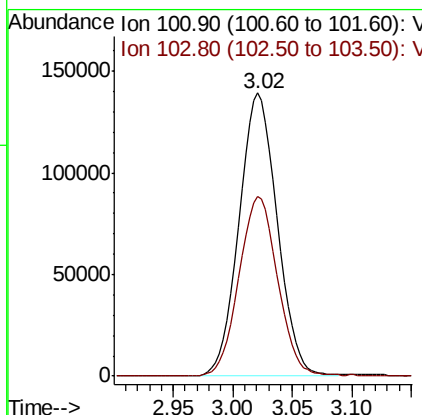
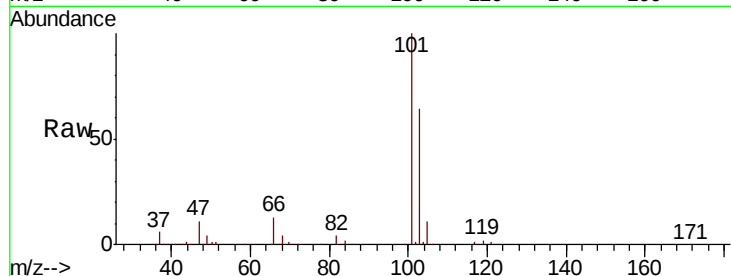
Trichlorofluoromethane
Concen: 49.160 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.0	76.4

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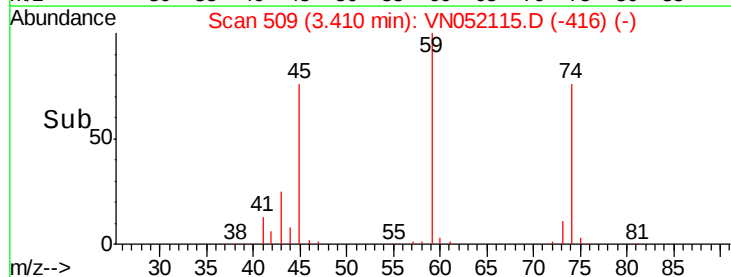
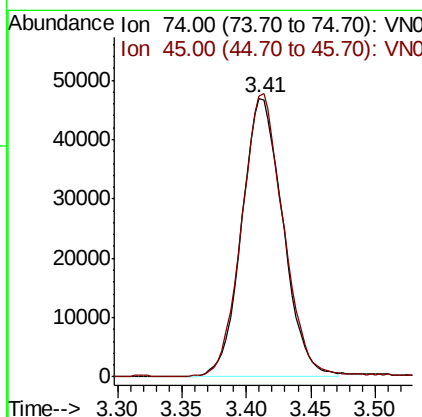
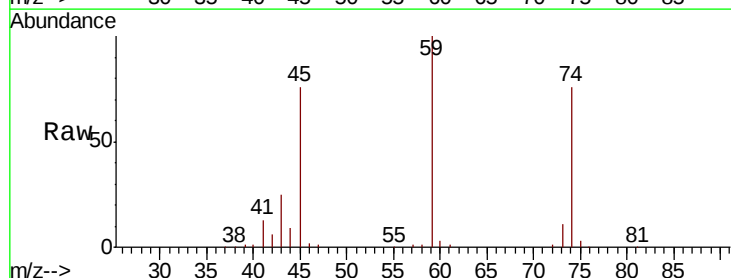
MMDadoda
11/5/2018 11:52:34 AM

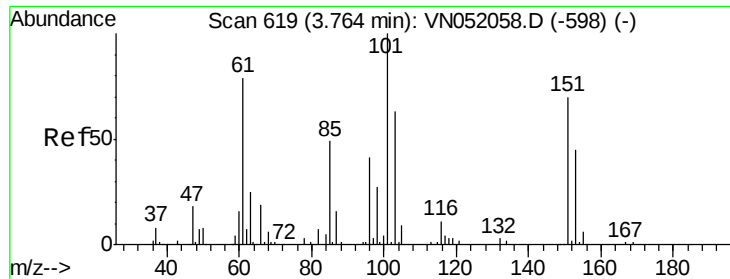


#8

Diethyl Ether
Concen: 44.392 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.992 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

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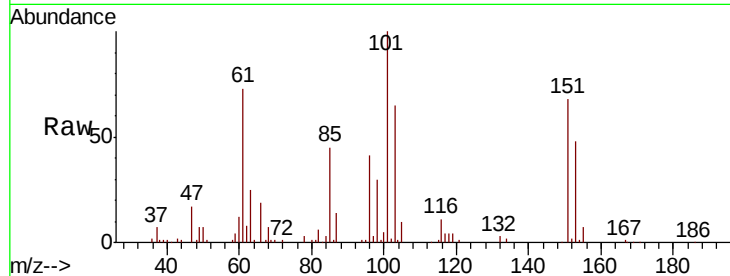
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	182329
Ion Ratio	Lower	Upper	
101	100		
85	45.9	38.6	58.0
151	69.4	52.6	78.8

Manual Integrations
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MMDadoda
11/5/2018 11:52:34 AM

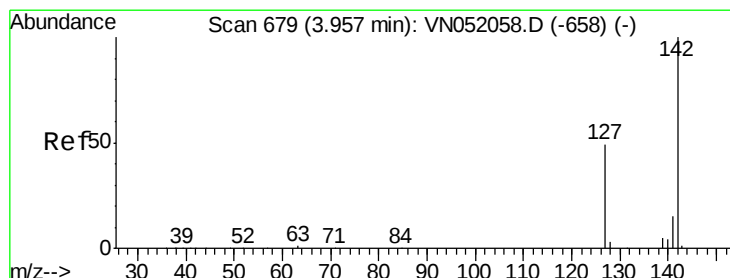
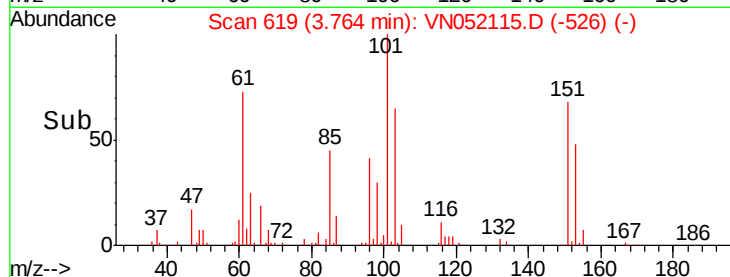
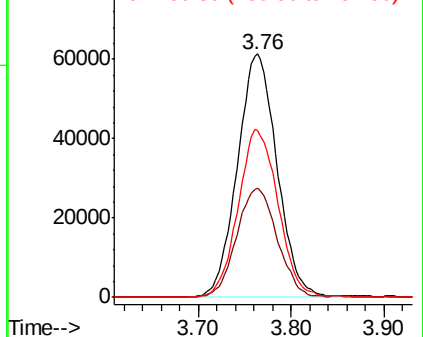


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.453 ug/l

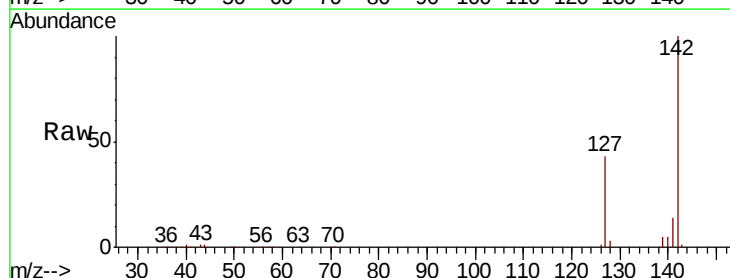
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion:	142	Resp:	241191
Ion Ratio	Lower	Upper	
142	100		
127	44.6	37.3	55.9
141	14.0	11.4	17.2

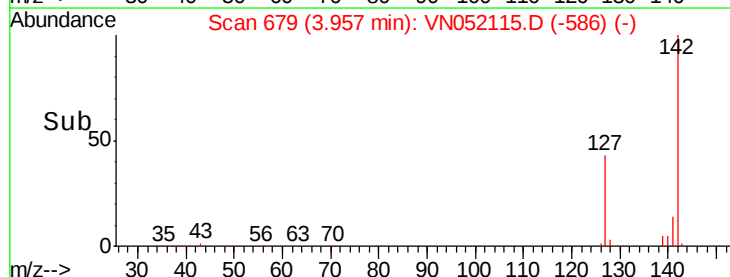
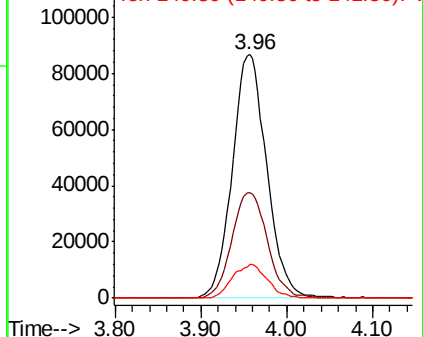


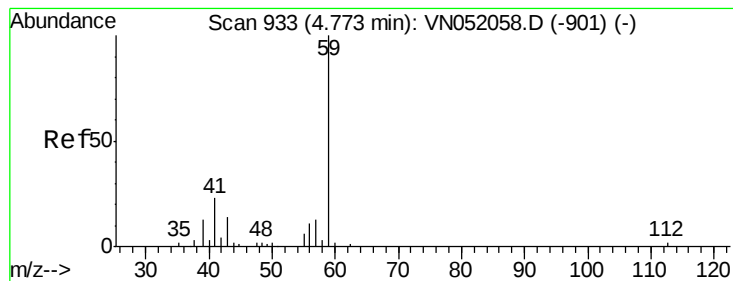
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

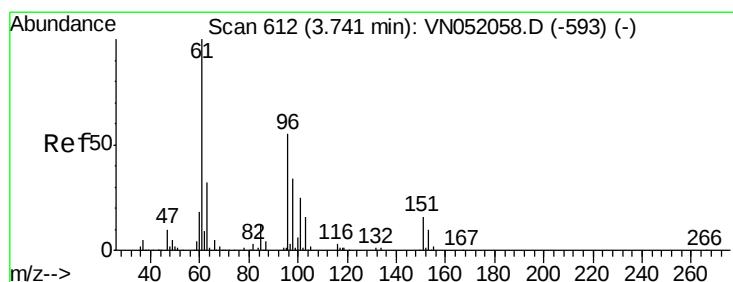
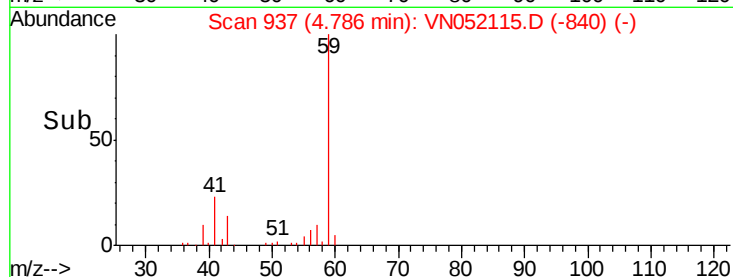
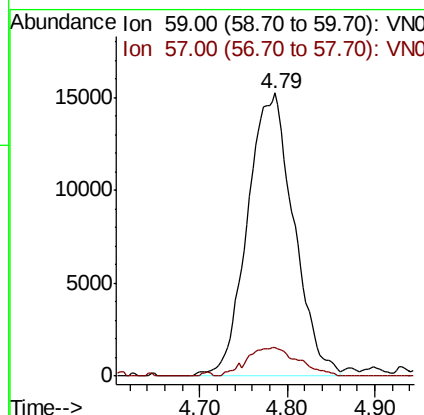
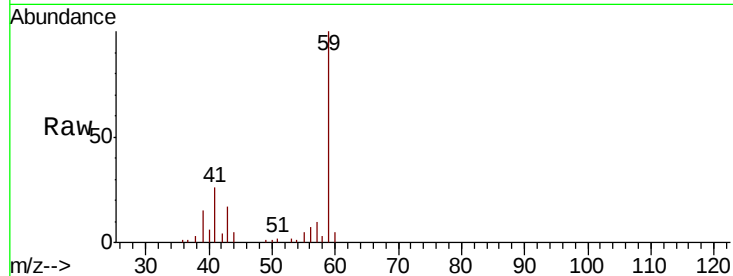
Tert butyl alcohol
Concen: 207.118 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	11.2	Resp	Lower	Upper
59	100							
57		11.2				7.0	10.6	

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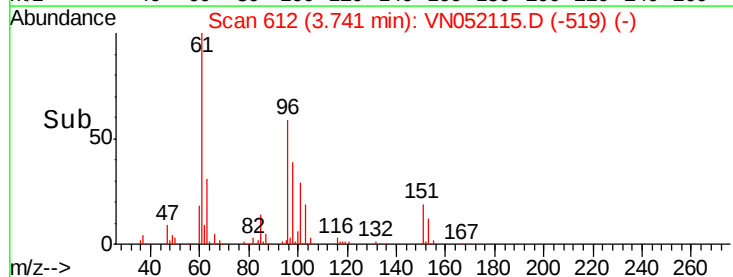
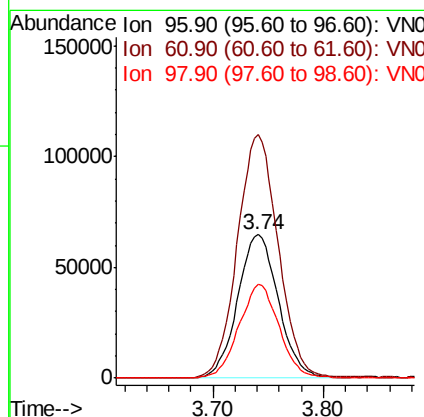
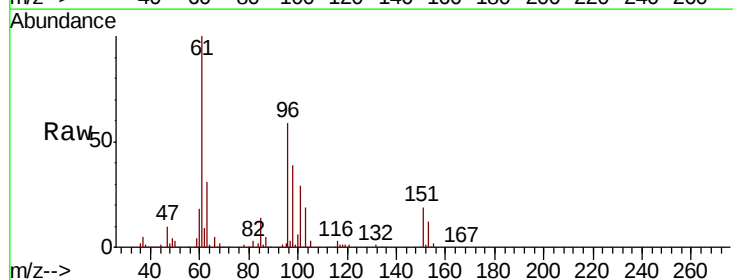
MMDadoda
11/5/2018 11:52:34 AM

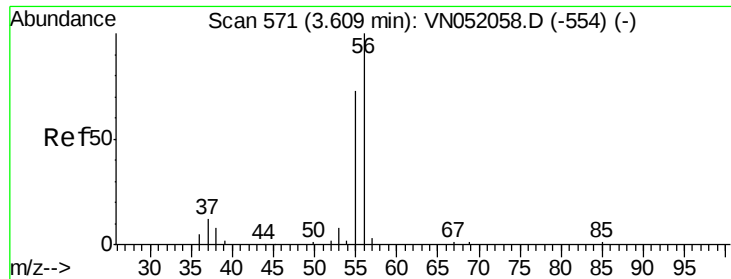


#12

1,1-Dichloroethene
Concen: 47.228 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	96	61	98	Ratio	100	169.5	65.7	Resp	Lower	Upper
96	100									
61		169.5				145.7				
98			65.7			49.8				





#13

Acrolein

Concen: 157.644 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40025

Ion Ratio Lower Upper

56 100

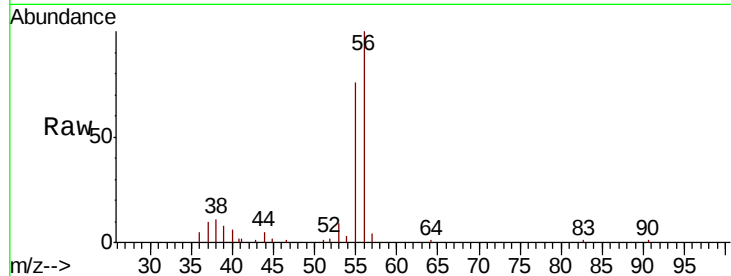
55 71.9 59.9 89.9

Manual Integrations

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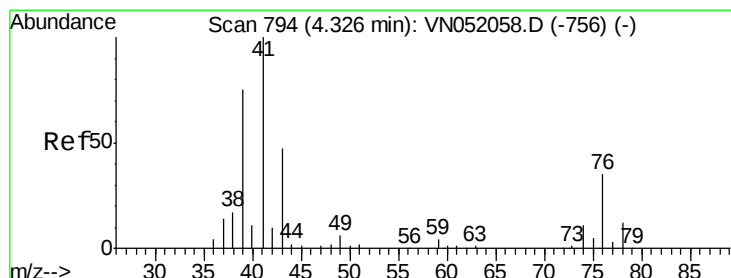
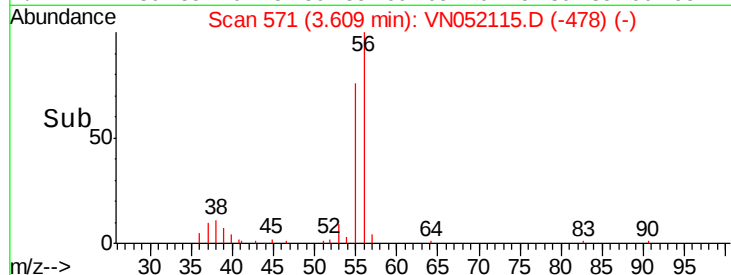
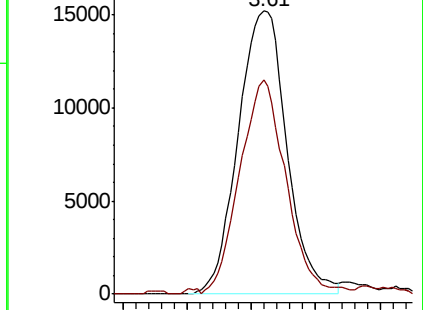
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Abundance Ion 56.00 (55.70 to 56.70): VN052115.D (-478) (-)

Ion 55.00 (54.70 to 55.70): VN052115.D (-478) (-)



#14

Allyl chloride

Concen: 40.194 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

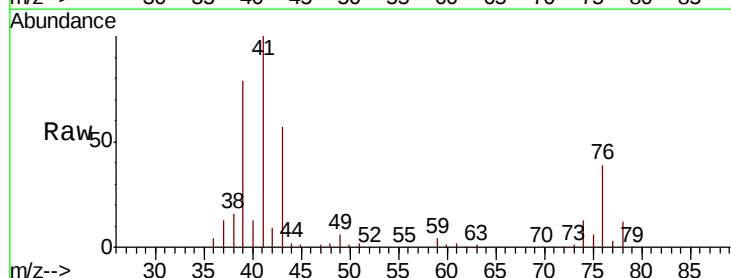
Tgt Ion: 41 Resp: 282703

Ion Ratio Lower Upper

41 100

39 78.5 58.1 87.1

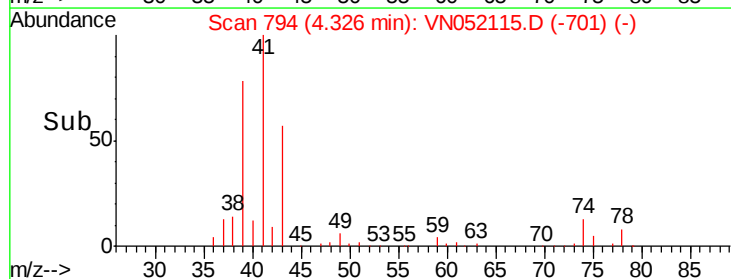
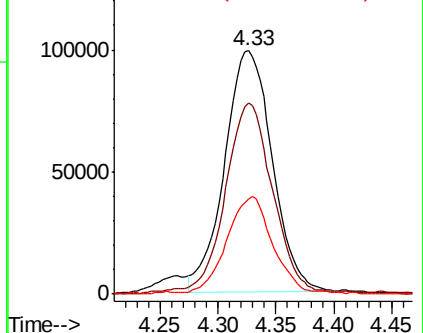
76 38.2 26.0 39.0

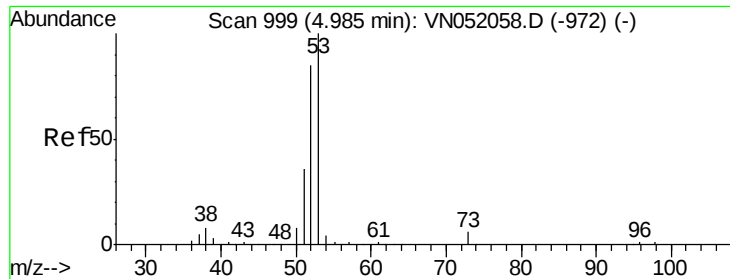


Abundance Ion 41.00 (40.70 to 41.70): VN052115.D (-701) (-)

Ion 39.00 (38.70 to 39.70): VN052115.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN052115.D (-701) (-)





#15

Acrylonitrile

Concen: 218.468 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

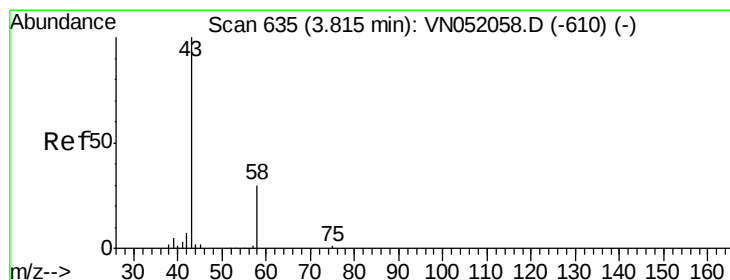
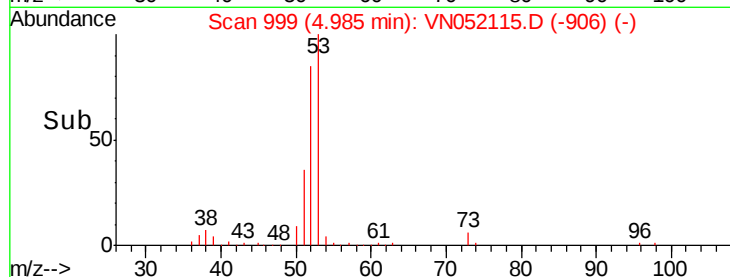
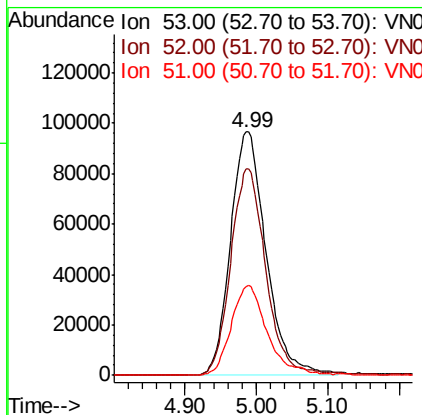
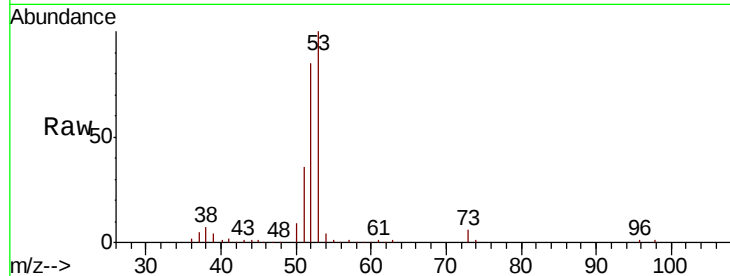
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	336226
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	37.4	29.0	43.6

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#16

Acetone

Concen: 235.828 ug/l

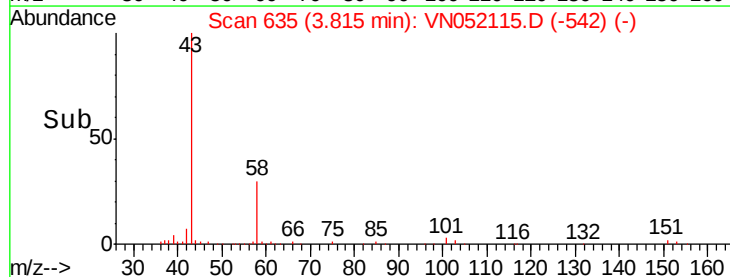
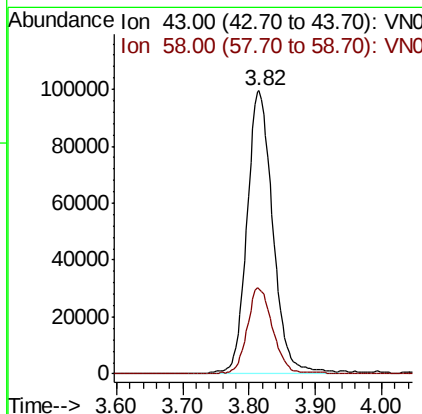
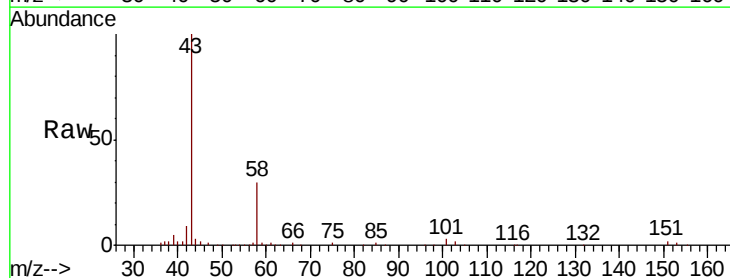
RT: 3.82 min Scan# 635

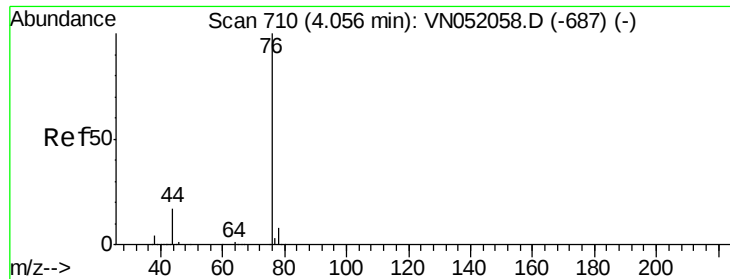
Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion:	43	Resp:	270618
Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.2	36.2





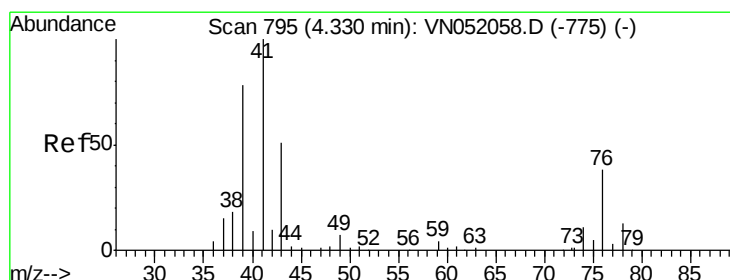
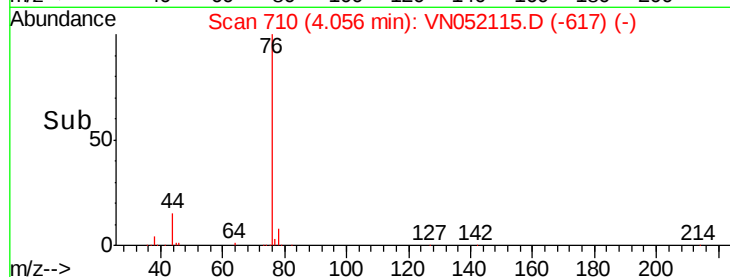
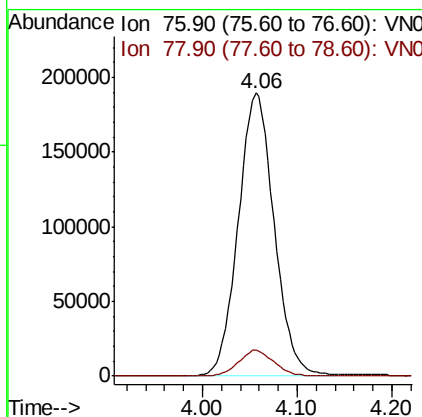
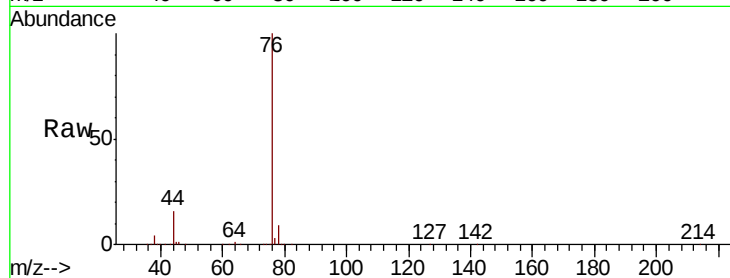
#17
Carbon Disulfide
Concen: 45.140 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2

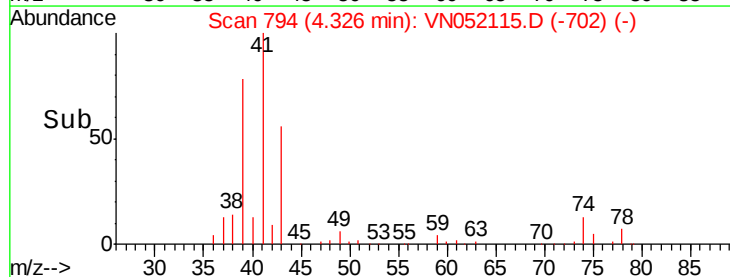
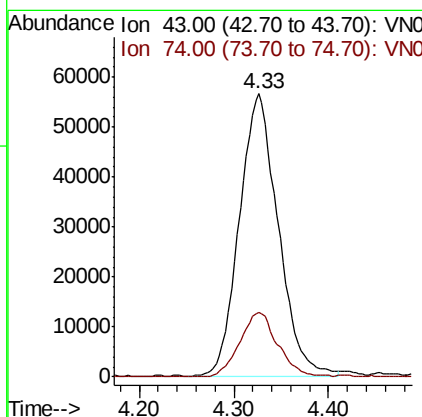
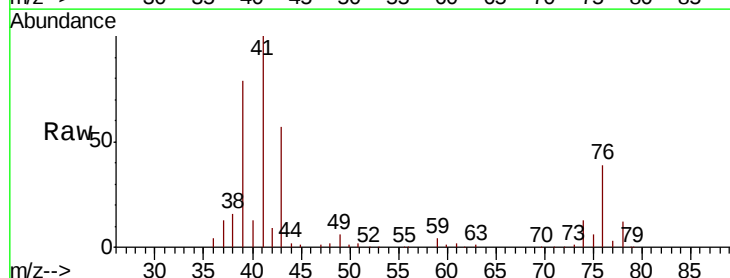
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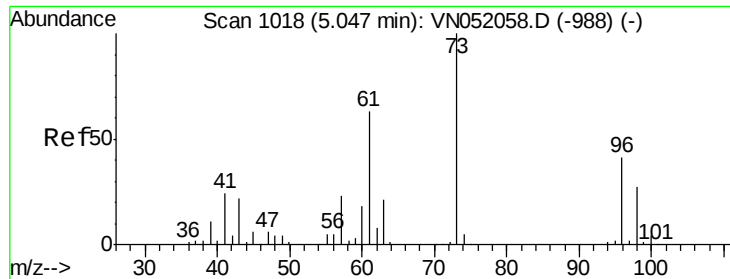
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#18
Methyl Acetate
Concen: 44.435 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.9	26.9





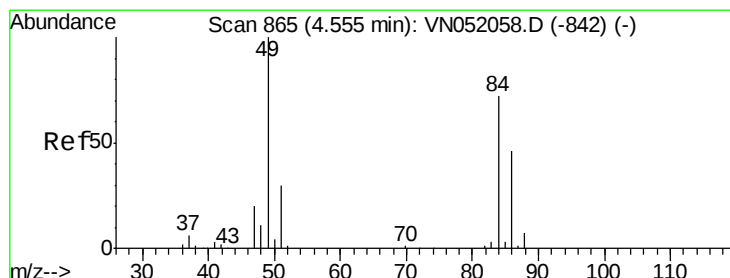
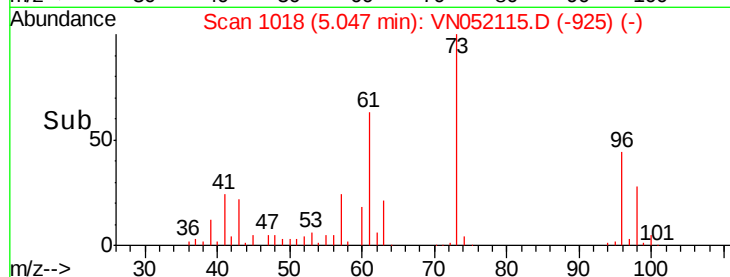
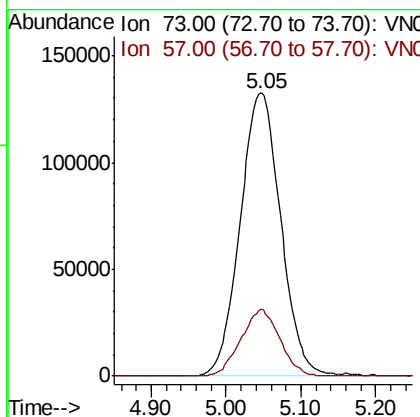
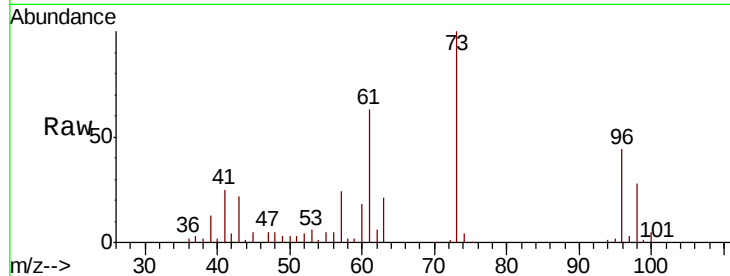
#19
Methvl tert-butvl Ether
Concen: 43.364 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 500587
Ion Ratio Lower Upper
73 100
57 23.7 18.7 28.1

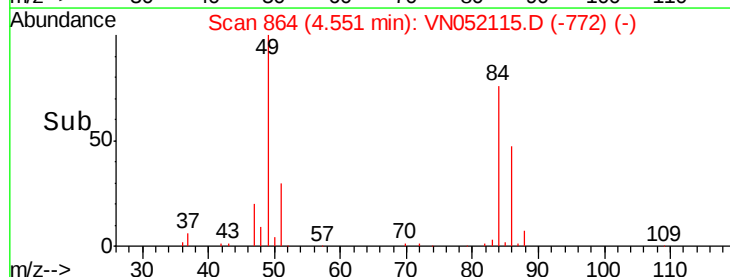
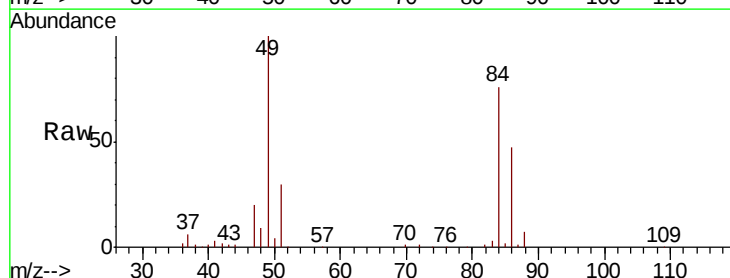
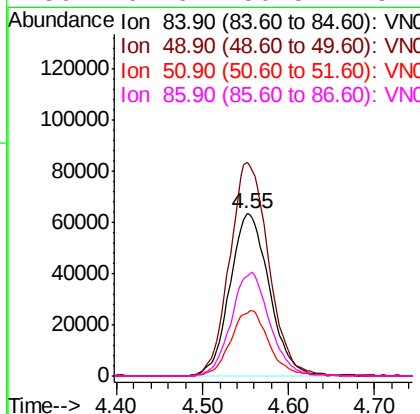
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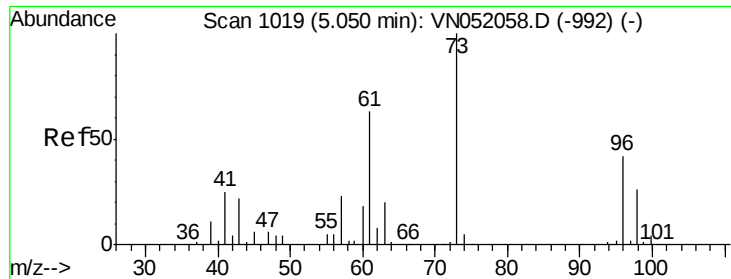
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#20
Methylene Chloride
Concen: 46.025 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 84 Resp: 201245
Ion Ratio Lower Upper
84 100
49 131.2 110.6 165.8
51 39.0 33.7 50.5
86 61.6 50.5 75.7





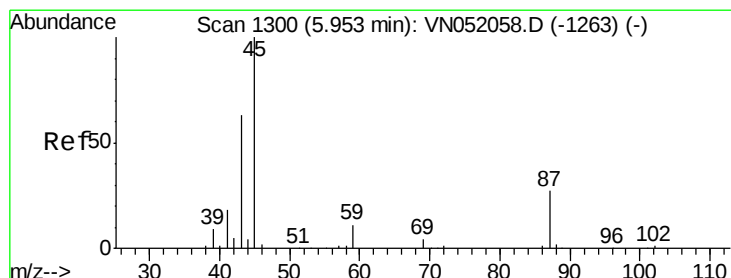
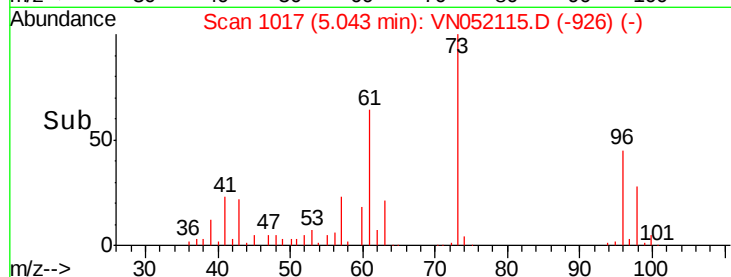
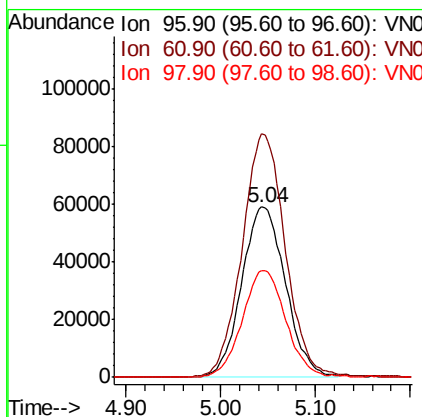
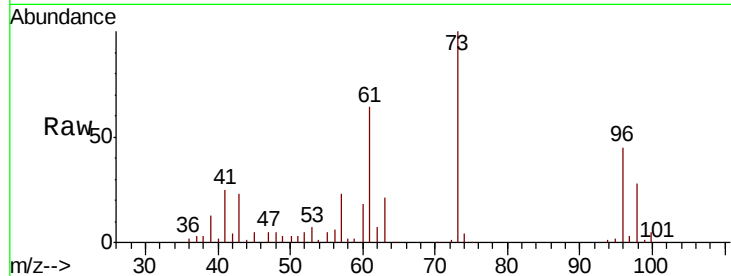
#21
trans-1,2-Dichloroethene
Concen: 47.321 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	118.6	178.0
98	63.0	49.7	74.5

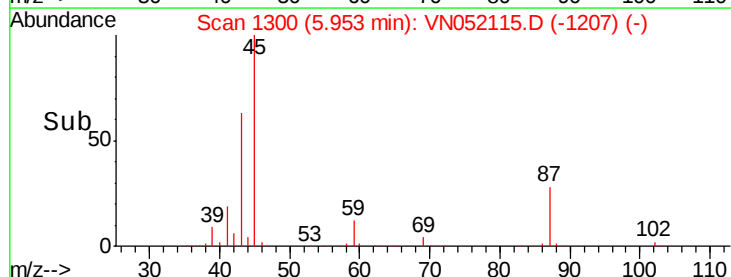
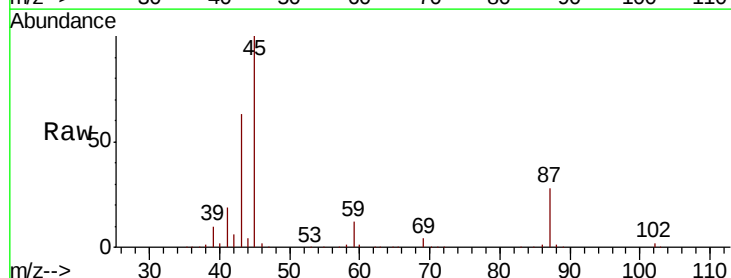
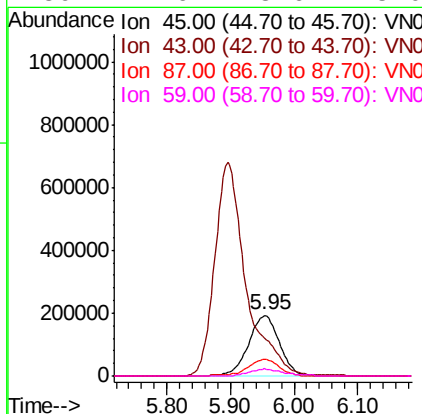
Manual Integrations
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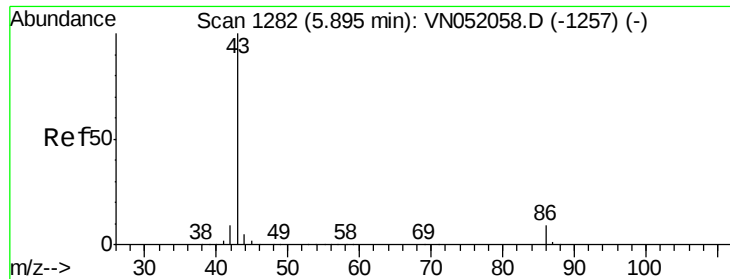
MMDadoda
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#22
Diisopropyl ether
Concen: 42.969 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.6	50.5	75.7
87	27.6	21.5	32.3
59	11.6	8.6	13.0





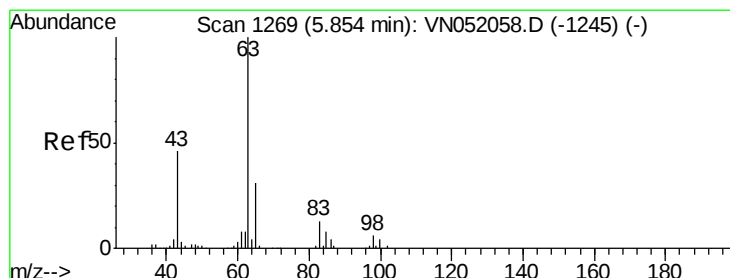
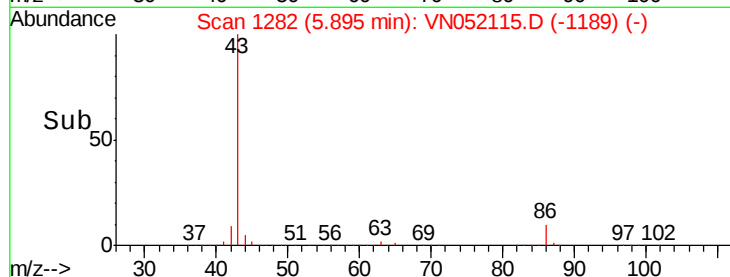
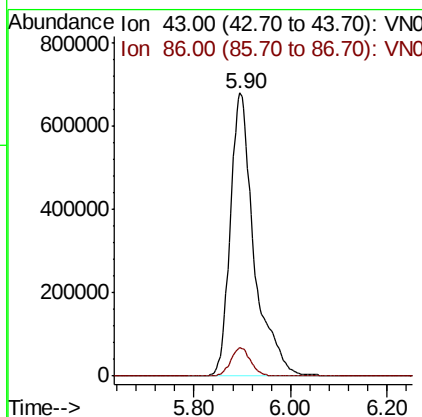
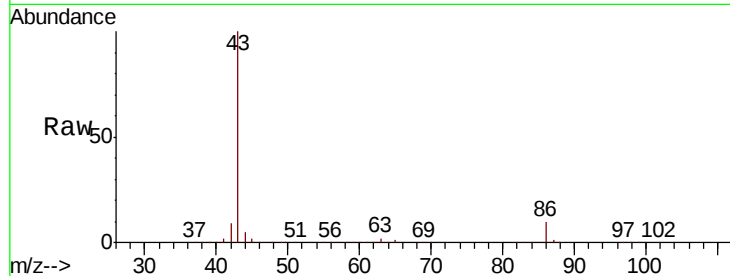
#23
 Vinyl Acetate
 Concen: 221.110 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2329021
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.3 10.9

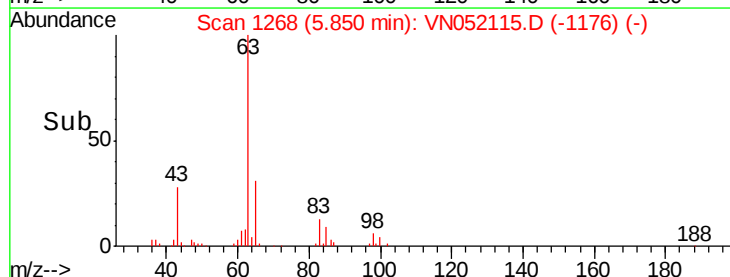
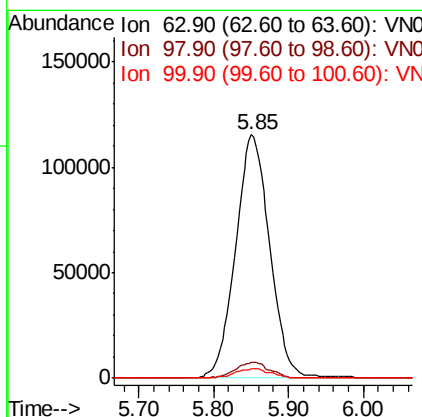
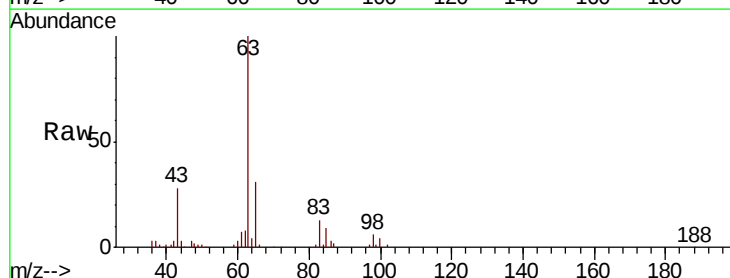
Manual Integrations
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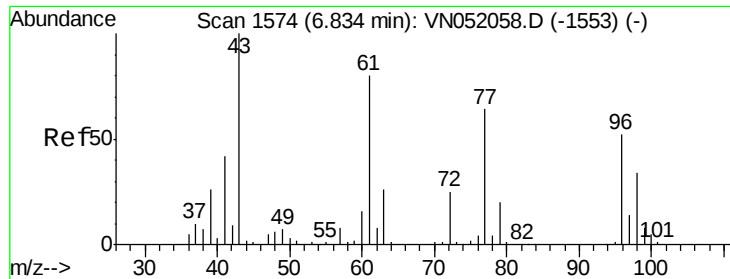
MMDadoda
 11/5/2018 11:52:34 AM



#24
 1,1-Dichloroethane
 Concen: 43.112 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 63 Resp: 366483
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 3.6 2.0 6.0





#25

2-Butanone

Concen: 229.160 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 412453

Ion Ratio Lower Upper

43 100

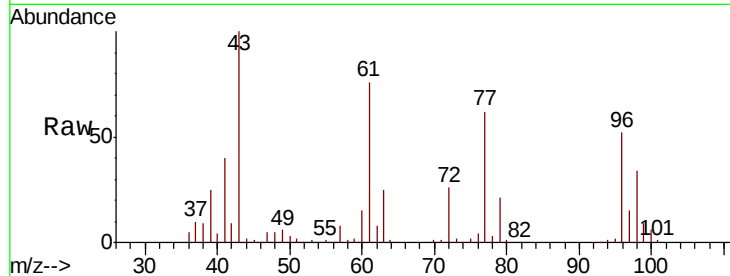
72 25.9 20.2 30.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052115.D (-1481) (-)

Ion 72.00 (71.70 to 72.70): VN052115.D (-1481) (-)

6.83

150000

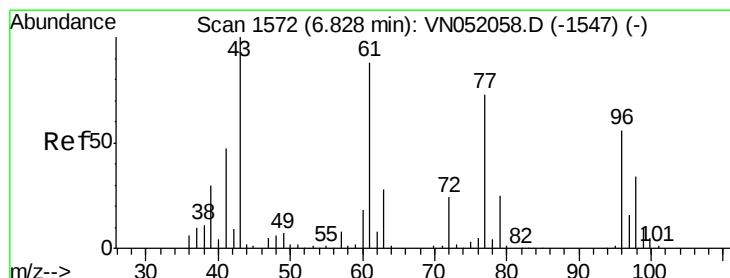
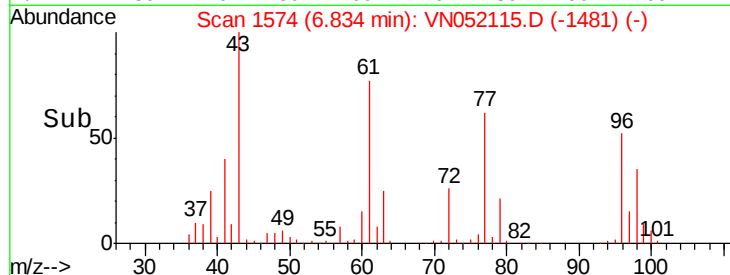
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 44.288 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052115.D

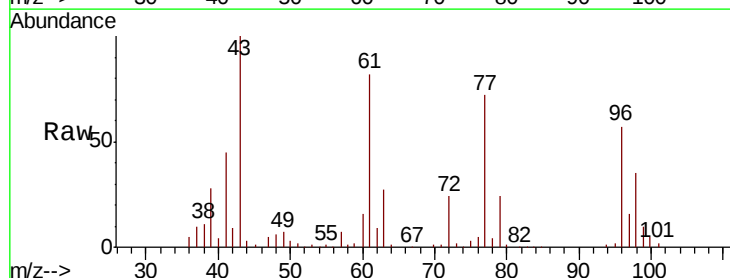
Acq: 2 Nov 2018 8:48

Tgt Ion: 77 Resp: 298996

Ion Ratio Lower Upper

77 100

97 23.1 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VN052115.D (-1479) (-)

Ion 96.90 (96.60 to 97.60): VN052115.D (-1479) (-)

6.83

100000

80000

60000

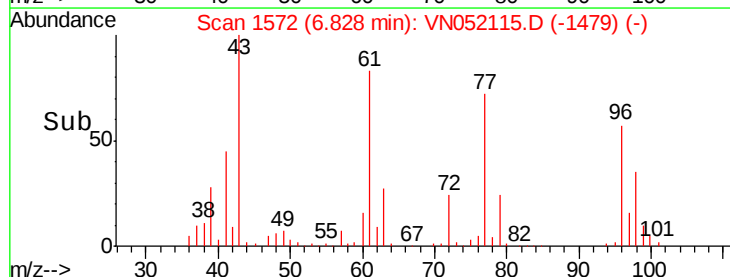
40000

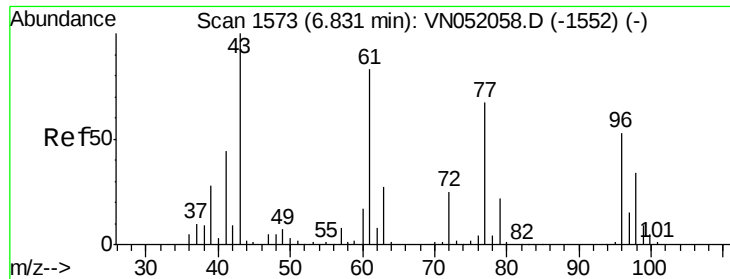
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.871 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

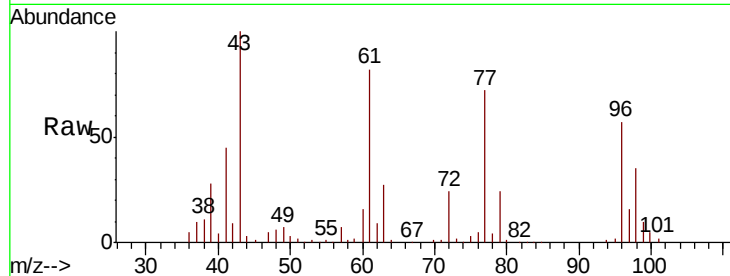
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	219530
Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	312.8
98	64.2	0.0	127.0

Manual Integrations
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11/5/2018 11:52:34 AM

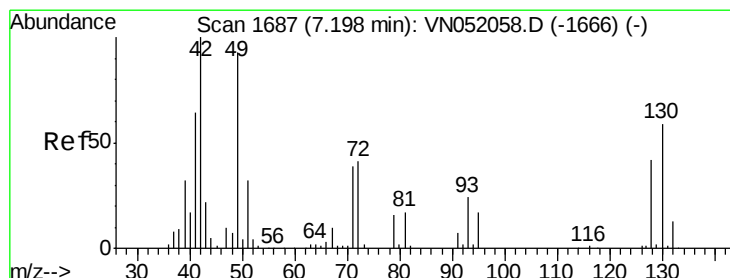
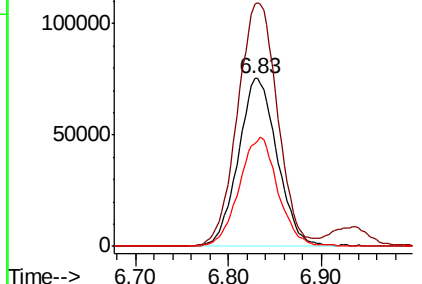
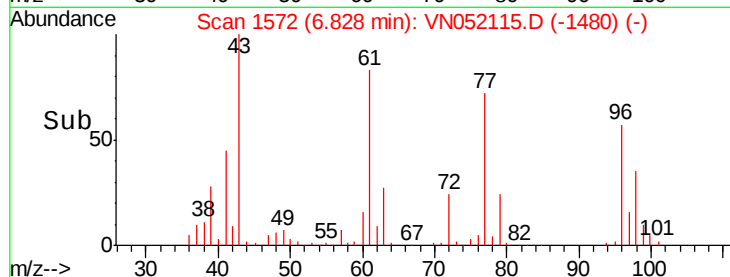


Abundance Ion 95.90 (95.60 to 96.60): VN052115.D (-1552) (-)

Ion 60.90 (60.60 to 61.60): VN052115.D (-1552) (-)

Ion 97.90 (97.60 to 98.60): VN052115.D (-1552) (-)

Time-->



#28

Bromochloromethane

Concen: 39.498 ug/l

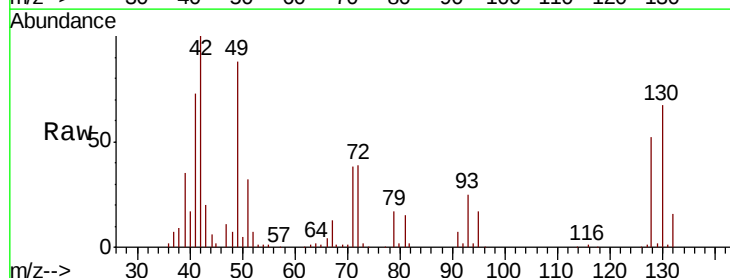
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion:	49	Resp:	166397
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.4
130	73.2	50.8	76.2

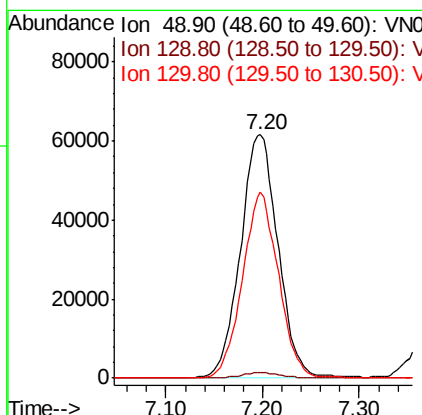
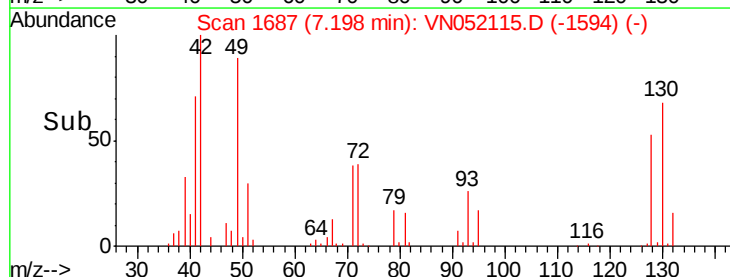


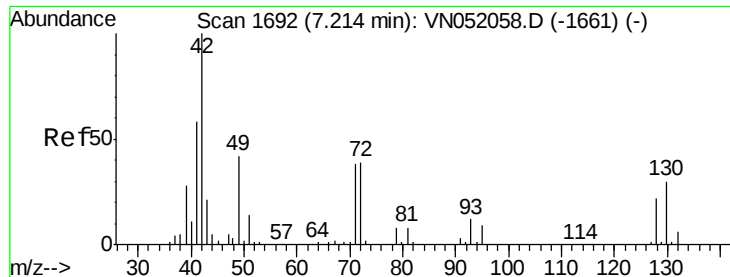
Abundance Ion 48.90 (48.60 to 49.60): VN052115.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN052115.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN052115.D (-1594) (-)

Time-->





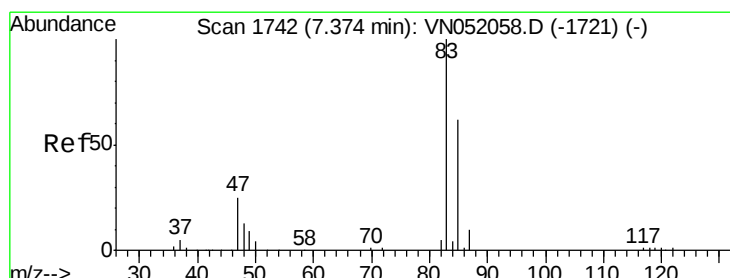
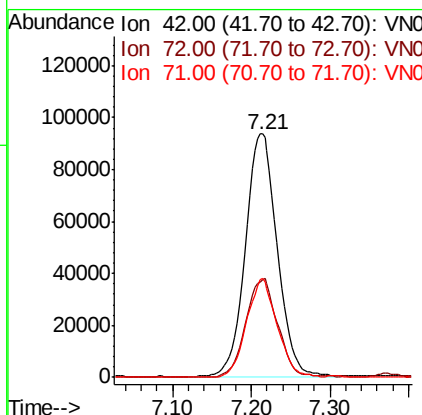
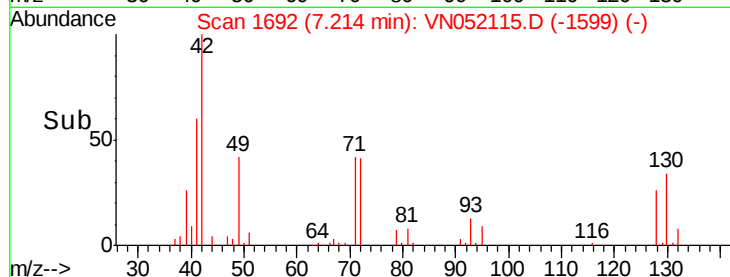
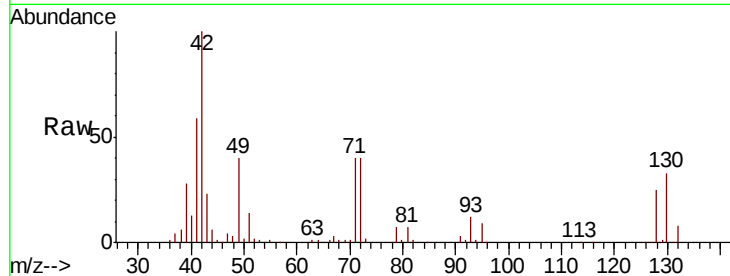
#29
Tetrahydrofuran
Concen: 223.644 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.5	48.7
71	38.9	30.6	46.0

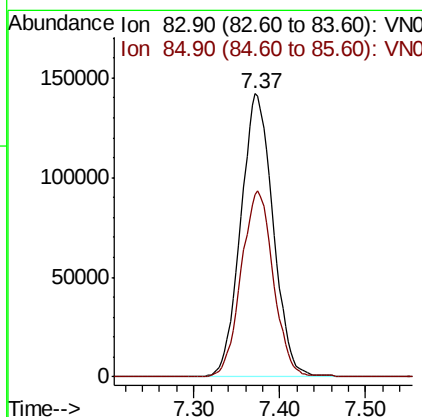
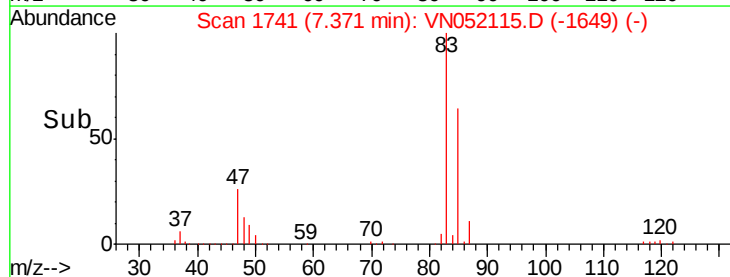
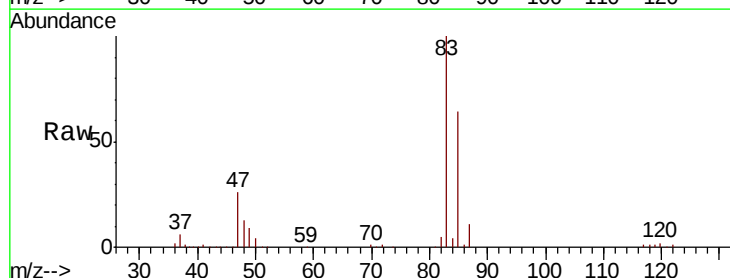
Manual Integrations
APPROVED

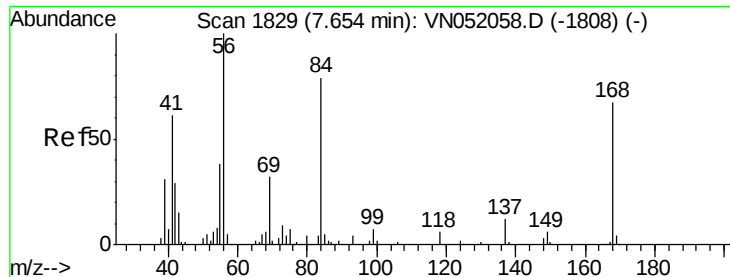
MMDadoda
11/5/2018 11:52:34 AM



#30
Chloroform
Concen: 43.842 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	49.6	74.4





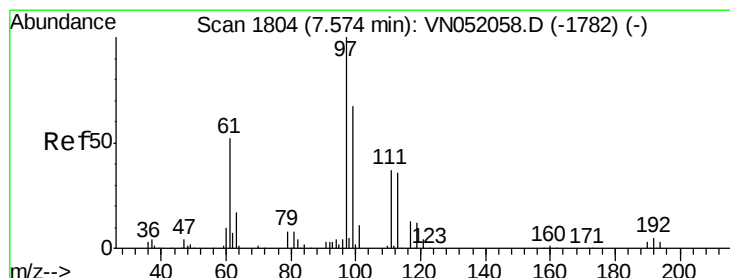
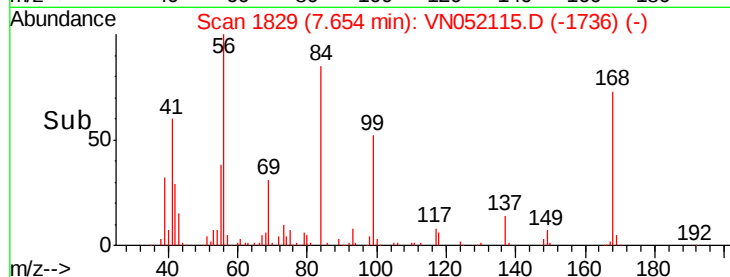
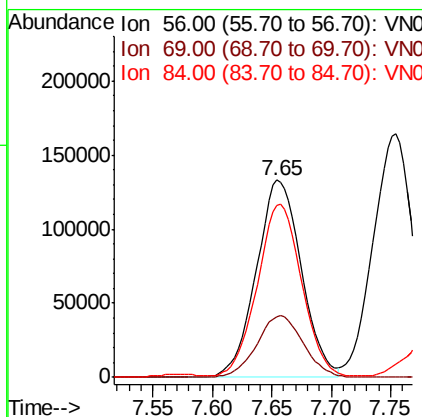
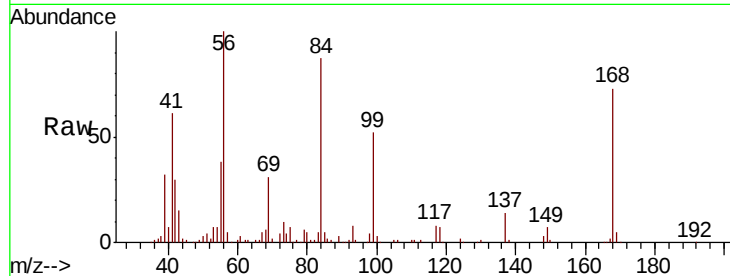
#31
Cyclohexane
Concen: 43.905 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.8	38.6
84	86.1	63.5	95.3

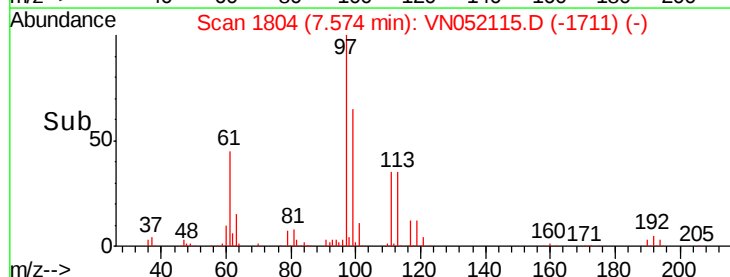
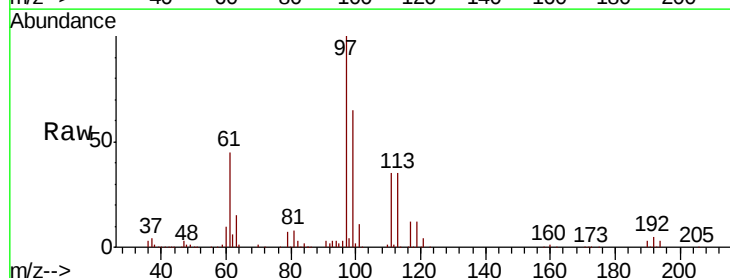
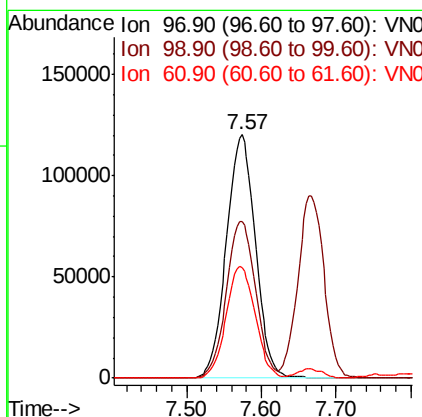
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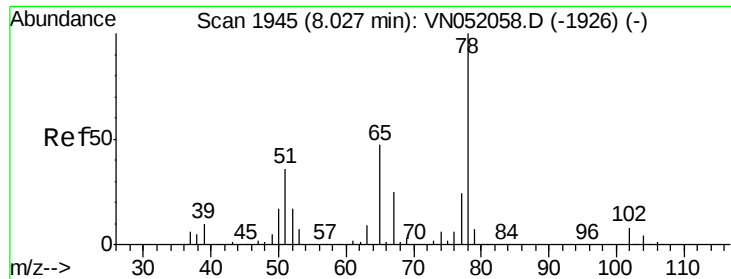
MMDadoda
11/5/2018 11:52:34 AM



#32
1,1,1-Trichloroethane
Concen: 47.523 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	46.0	40.3	60.5





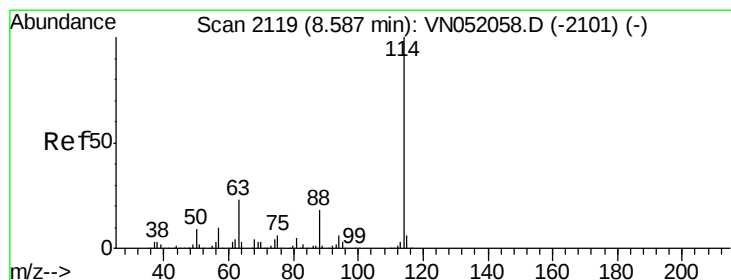
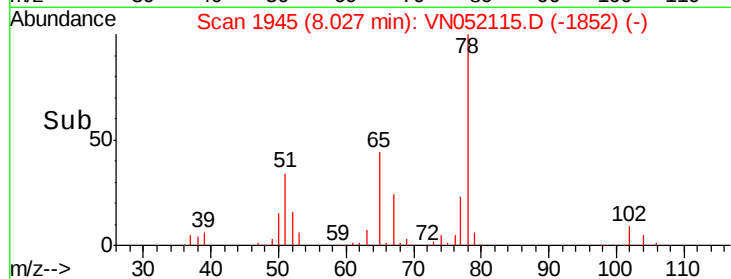
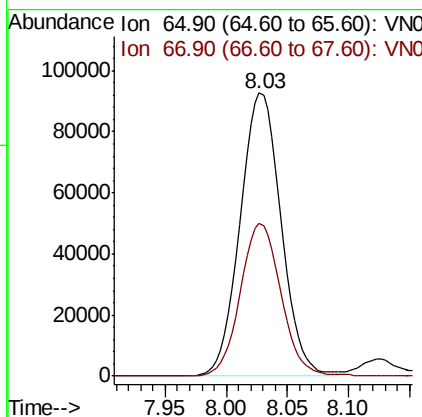
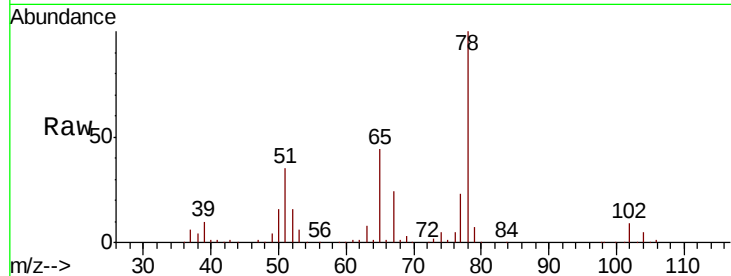
#33
 1,2-Dichloroethane-d4
 Concen: 47.523 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215623		
67	53.1	0.0	105.2	

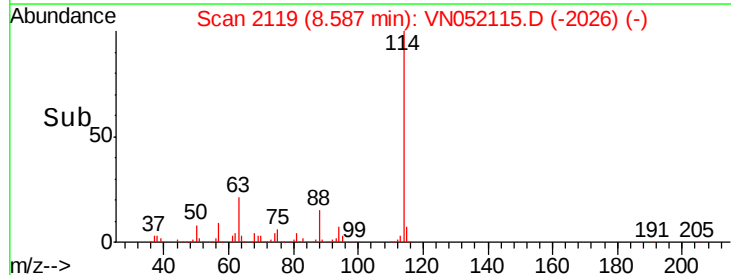
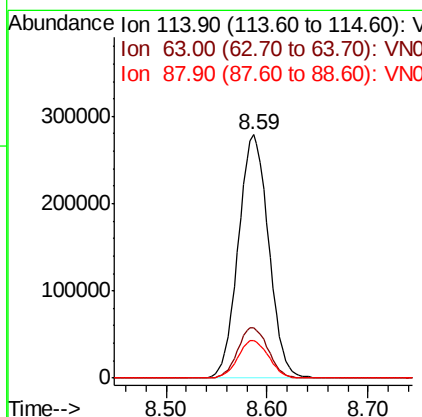
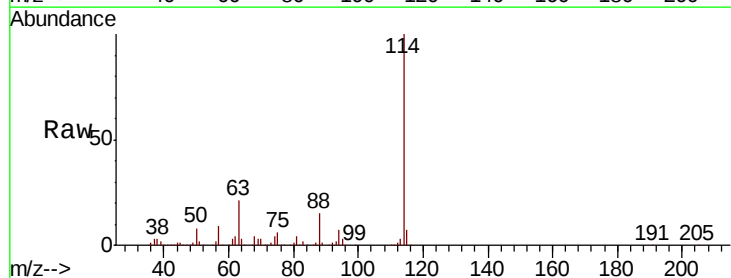
Manual Integrations
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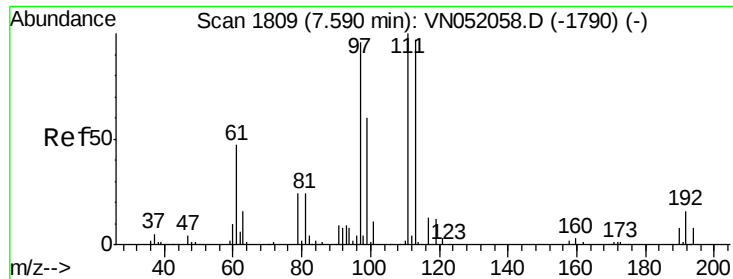
MMDadoda
 11/5/2018 11:52:34 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	579329		
63	20.8	0.0	46.0	
88	15.3	0.0	35.4	





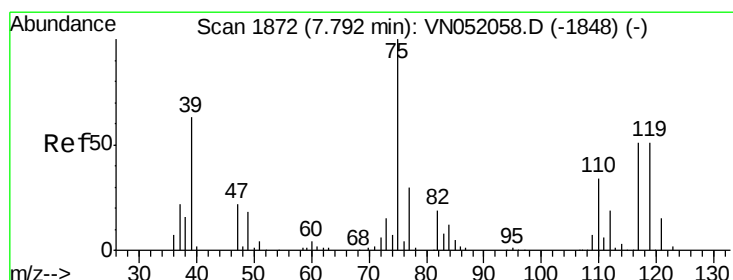
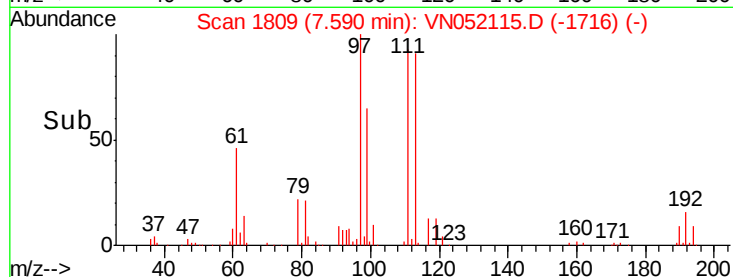
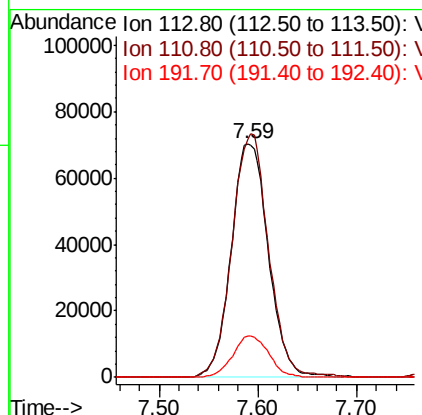
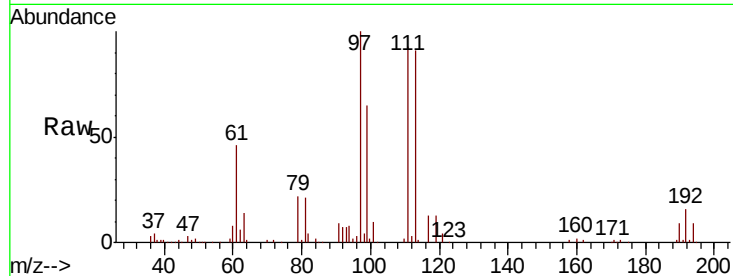
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	184202		
111	103.1	83.1	124.7	
192	17.3	12.7	19.1	

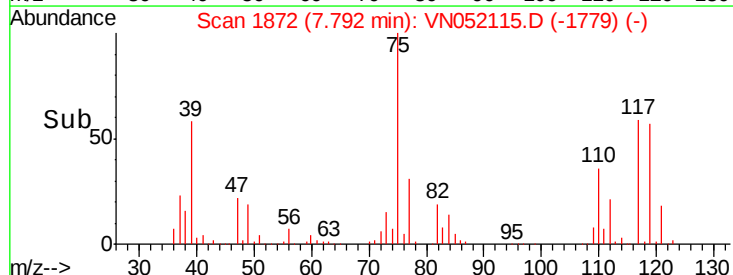
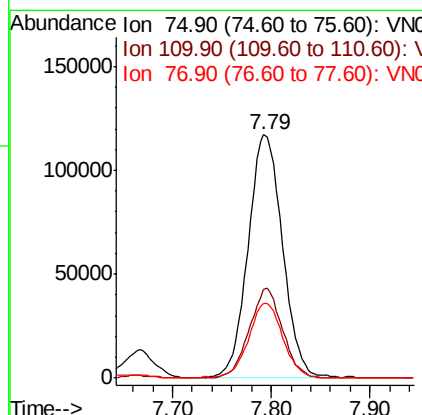
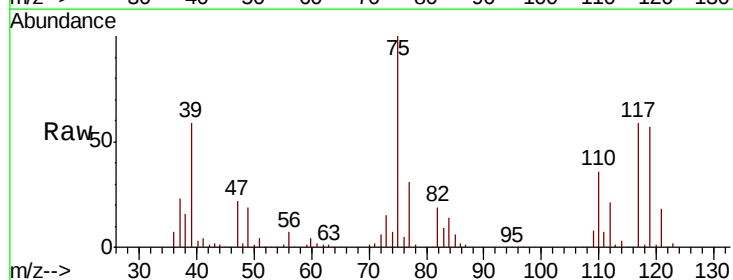
Manual Integrations
APPROVED

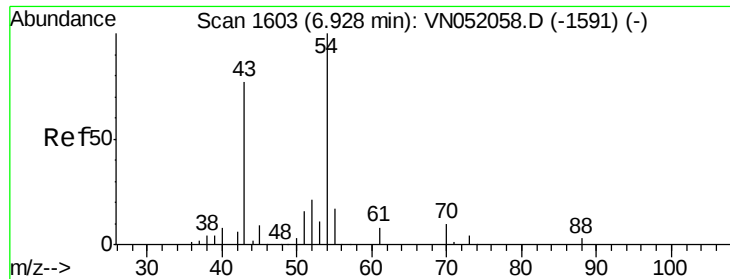
MMDadoda
11/5/2018 11:52:34 AM



#36
1,1-Dichloropropene
Concen: 47.681 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280876		
110	35.8	16.0	48.0	
77	30.9	24.5	36.7	





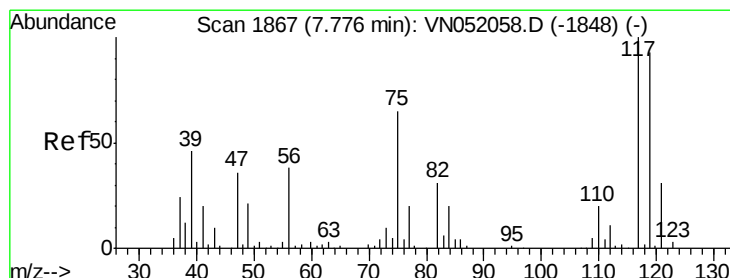
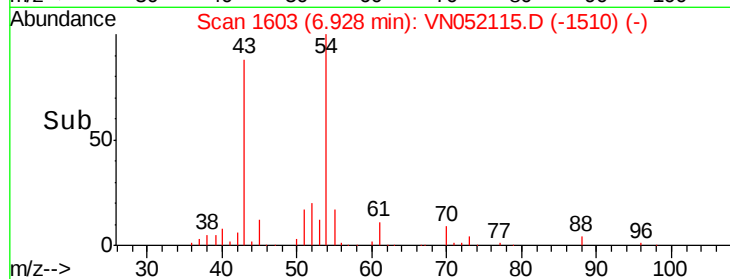
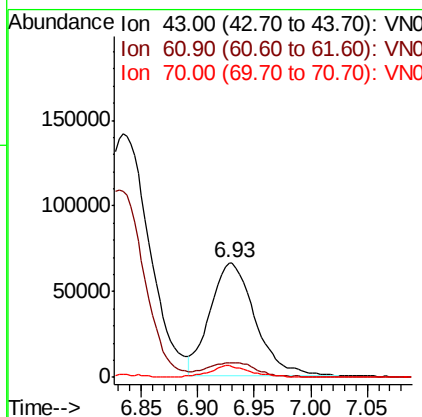
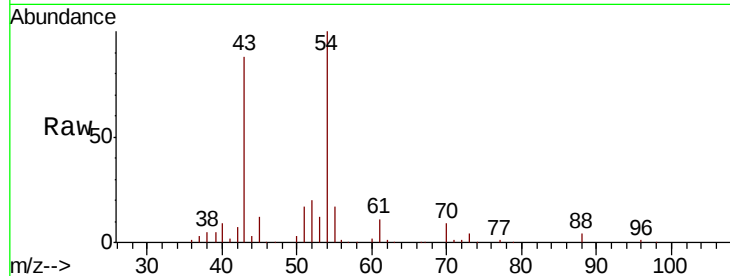
#37
Ethyl Acetate
Concen: 46.326 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.9	16.3
70	9.8	8.6	12.8

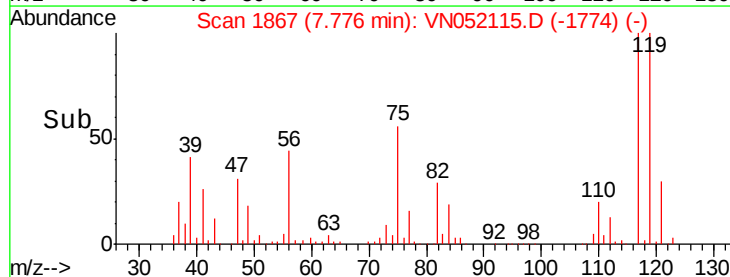
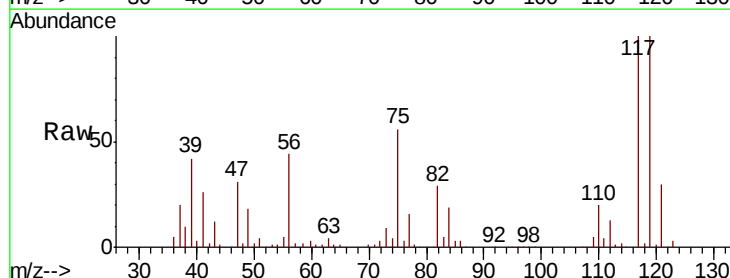
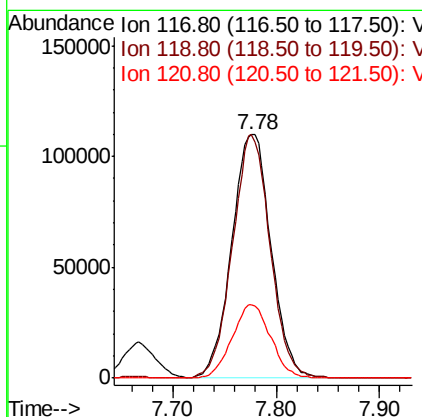
Manual Integrations
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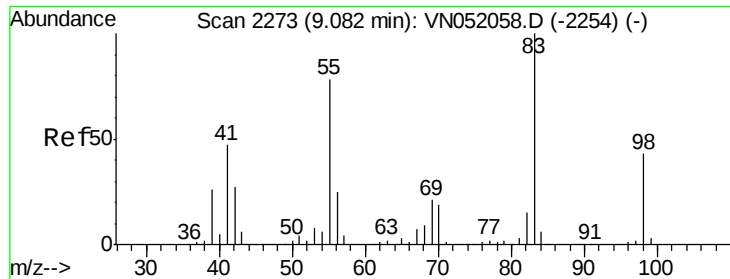
MMDadoda
11/5/2018 11:52:34 AM



#38
Carbon Tetrachloride
Concen: 57.014 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	74.8	112.2
121	30.3	25.1	37.7





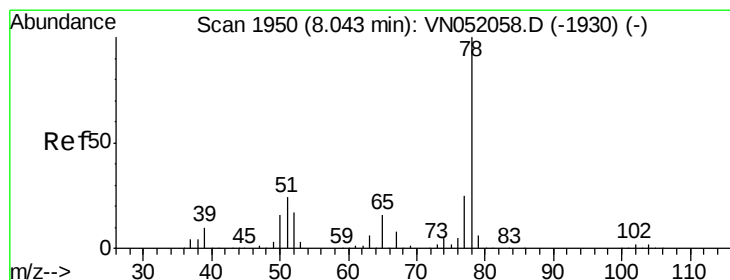
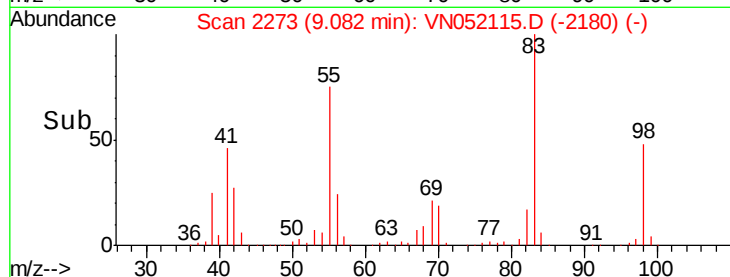
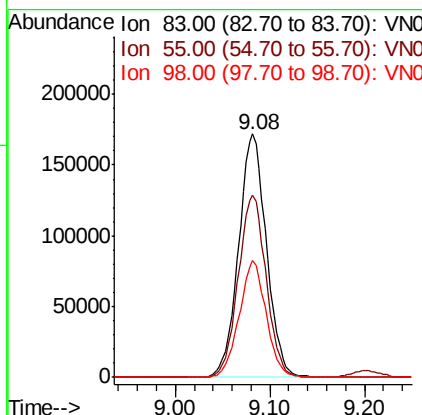
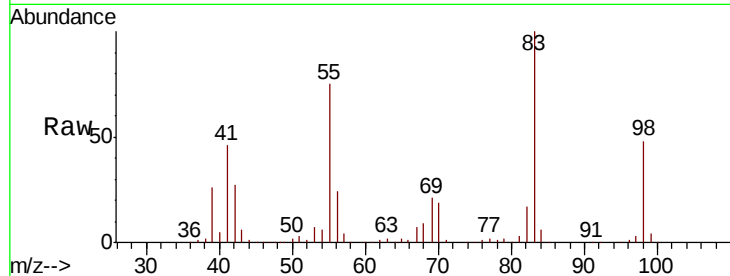
#39
Methvlcvclohexane
Concen: 50.153 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	62.0	93.0
98	48.0	34.7	52.1

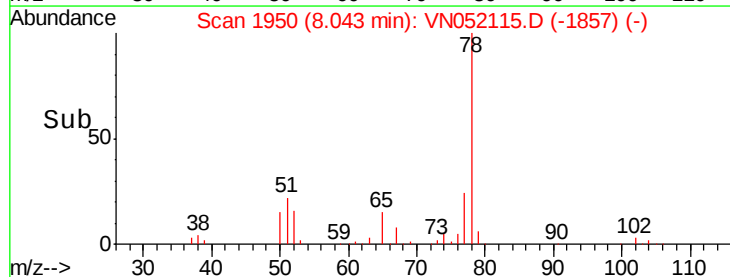
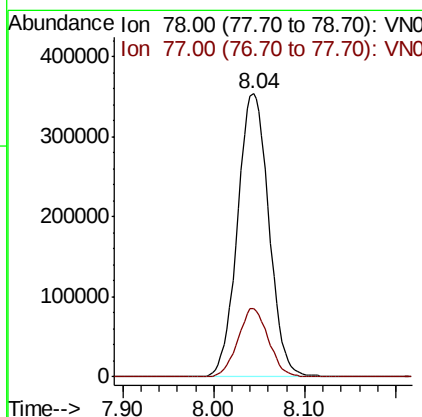
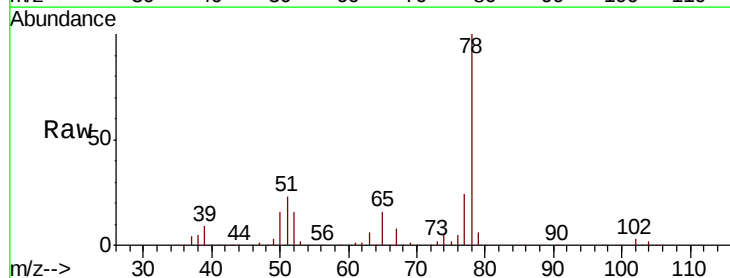
Manual Integrations
APPROVED

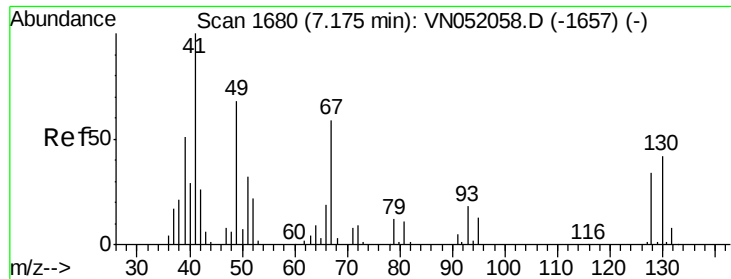
MMDadoda
11/5/2018 11:52:34 AM



#40
Benzene
Concen: 49.744 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





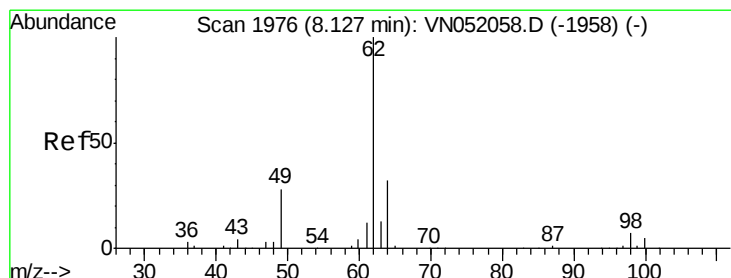
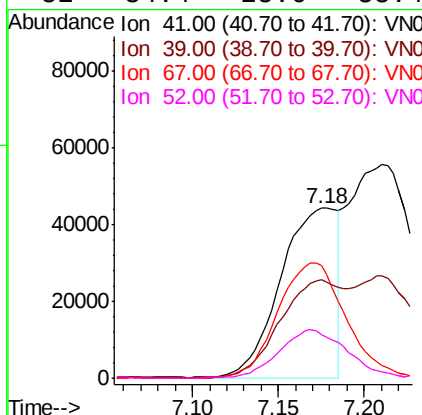
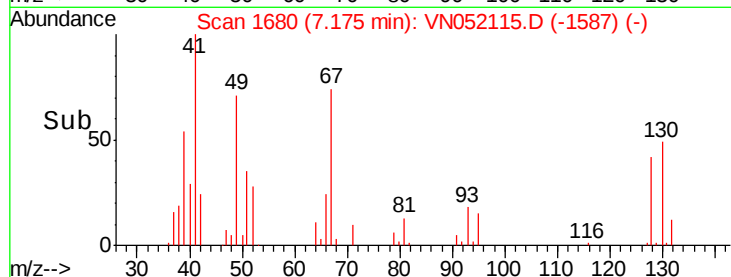
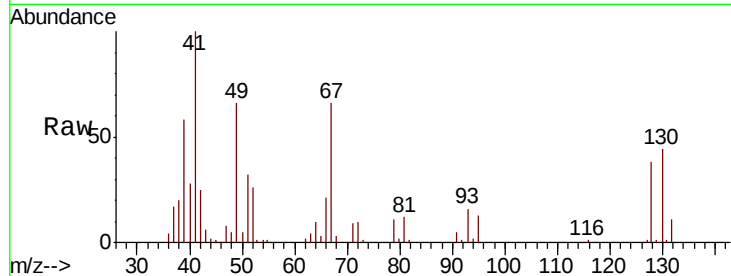
#41
Methacrylonitrile
Concen: 50.054 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	101842
Ion Ratio	Lower	Upper	
41	100		
39	66.4	33.2	49.8#
67	81.4	63.5	95.3
52	34.4	25.6	38.4

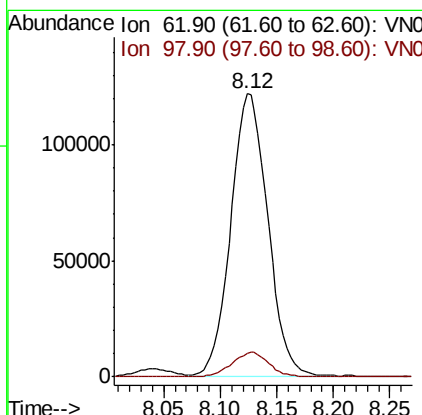
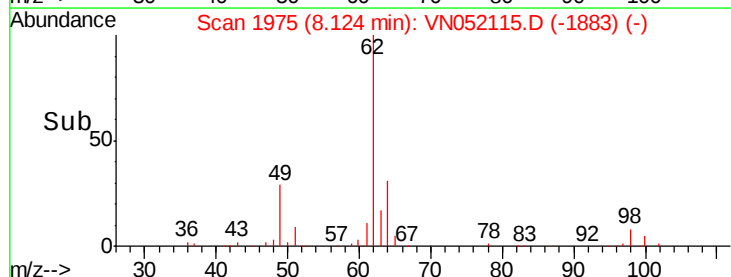
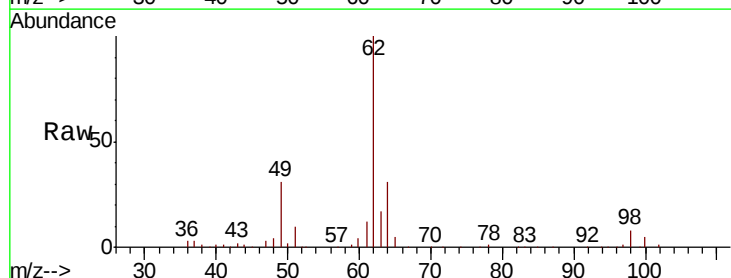
Manual Integrations
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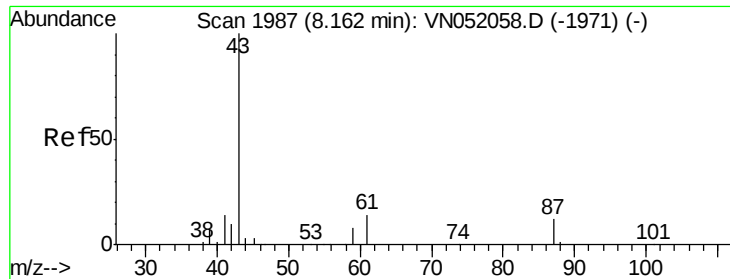
MMDadoda
11/5/2018 11:52:34 AM



#42
1,2-Dichloroethane
Concen: 43.932 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	62	Resp	276234
Ion Ratio	Lower	Upper	
62	100		
98	8.7	0.0	15.2





#43

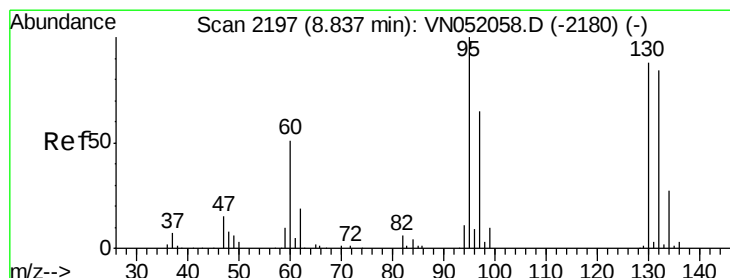
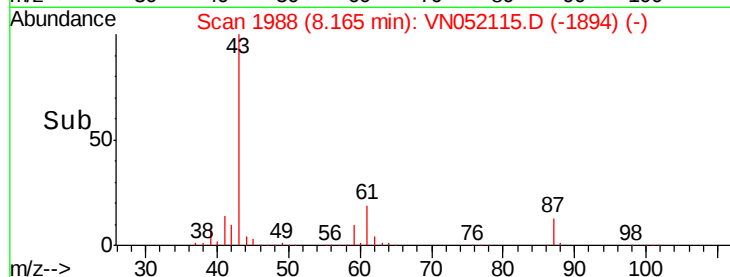
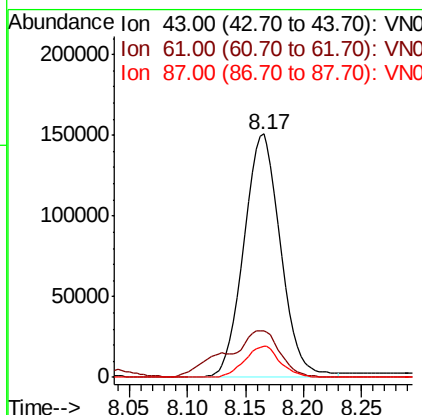
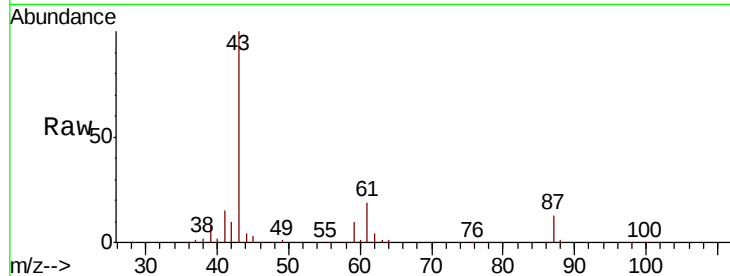
Isopropyl Acetate
 Concen: 47.629 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	43	61	87
Resp	334005		
Ratio	100	19.2	12.4
Lower		15.4	9.8
Upper		23.0	14.8

Manual Integrations
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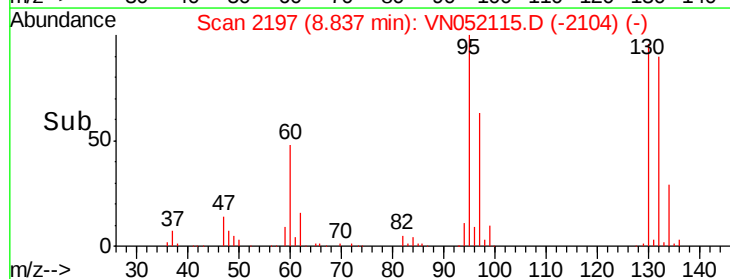
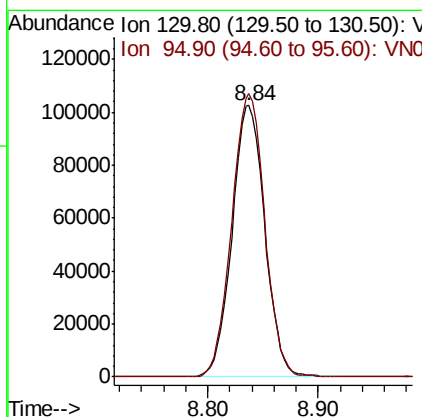
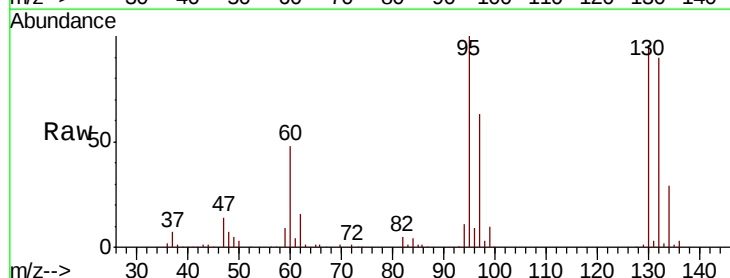
MMDadoda
 11/5/2018 11:52:34 AM

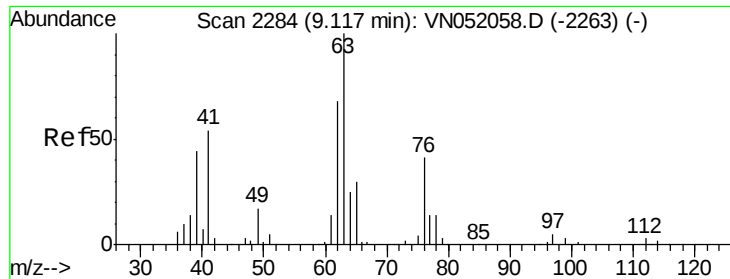


#44

Trichloroethene
 Concen: 55.305 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion	130	95
Resp	210739	
Ratio	100	104.4
Lower		0.0
Upper		228.4





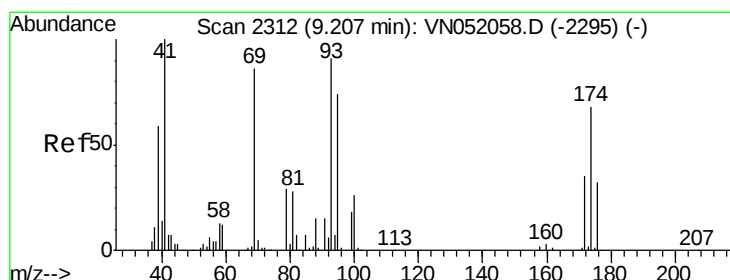
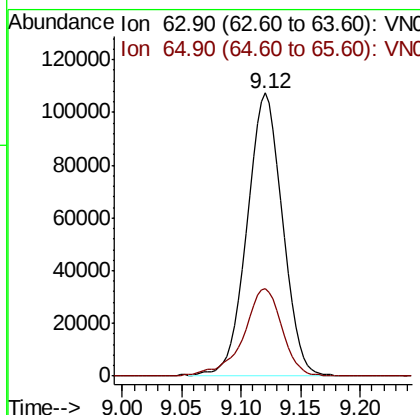
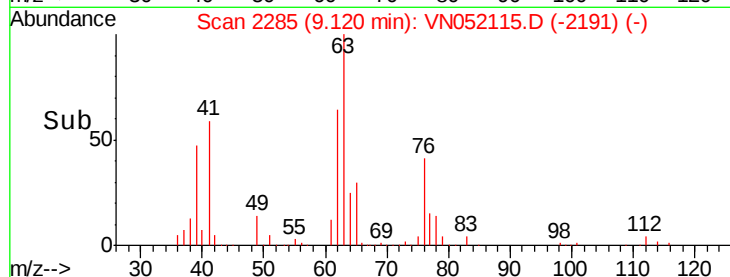
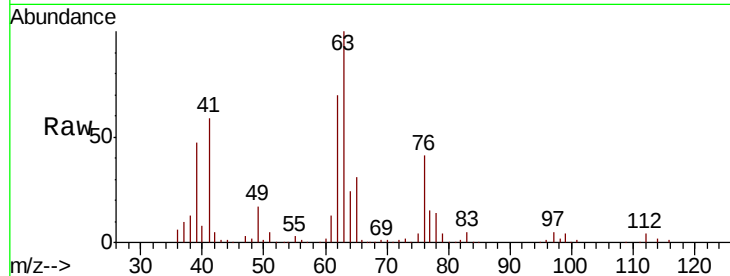
#45
 1,2-Dichloropropane
 Concen: 45.418 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 220445
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.5 36.7

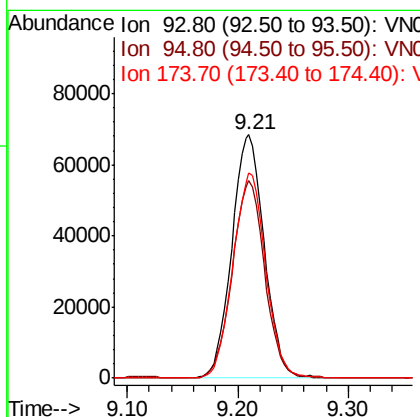
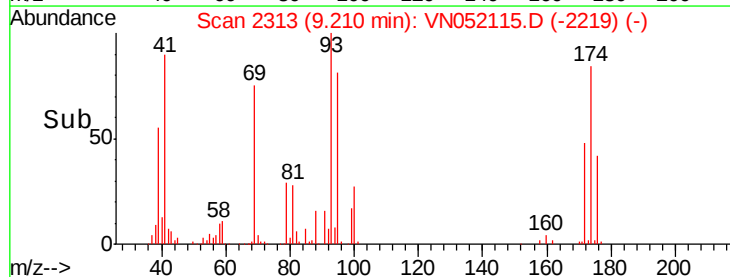
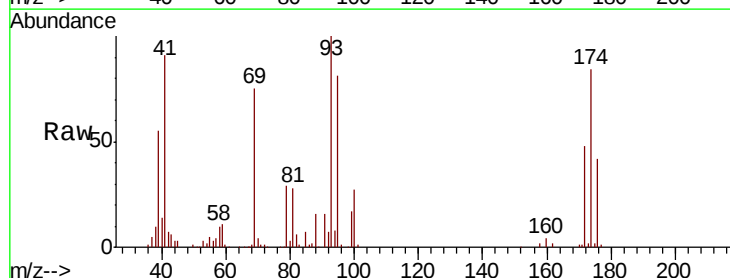
Manual Integrations
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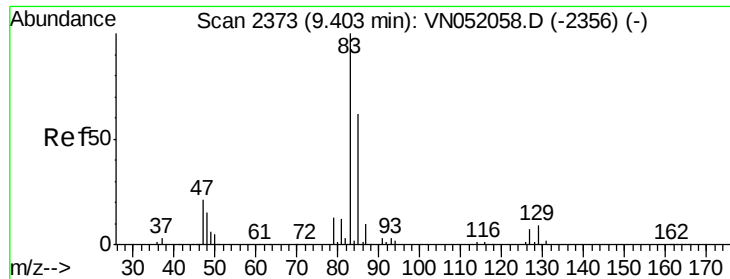
MMDadoda
 11/5/2018 11:52:34 AM



#46
 Dibromomethane
 Concen: 51.414 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 93 Resp: 139470
 Ion Ratio Lower Upper
 93 100
 95 81.0 67.2 100.8
 174 85.0 59.7 89.5





#47

Bromodichloromethane

Concen: 50.404 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

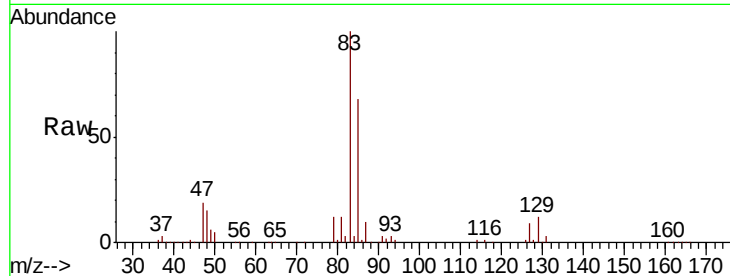
ClientSampleId :

VSTDCCC050

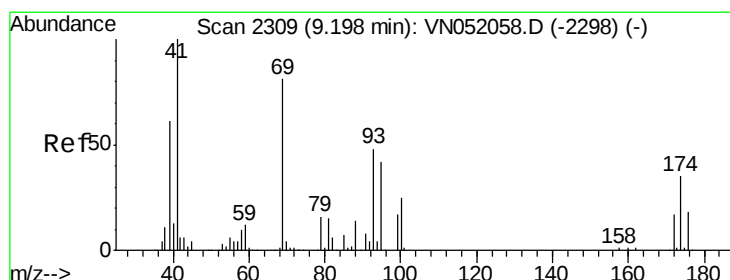
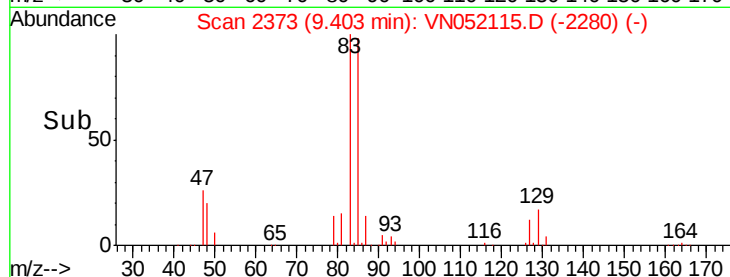
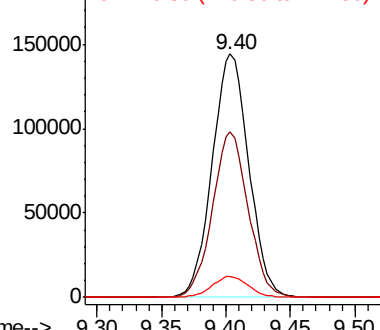
Tot Ion:	83	Resp:	285173
Ion Ratio	Lower	Upper	
83	100		
85	68.1	49.4	74.2
127	8.5	5.8	8.8

Manual Integrations
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MMDadoda
11/5/2018 11:52:34 AM



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 46.808 ug/l

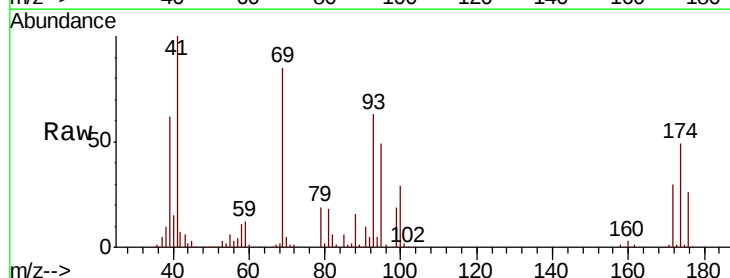
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

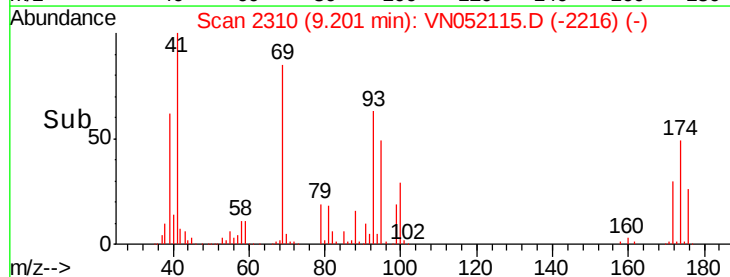
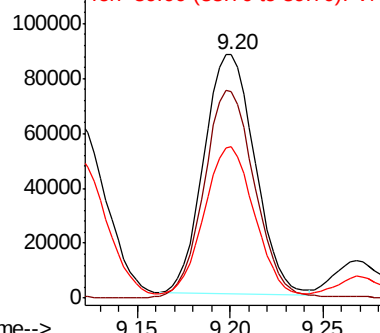
Lab File: VN052115.D

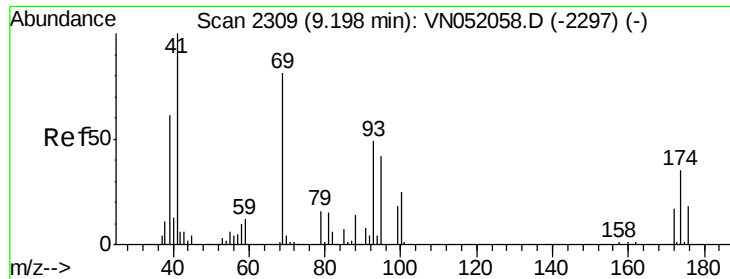
Acq: 2 Nov 2018 8:48

Tgt Ion:	41	Resp:	166423
Ion Ratio	Lower	Upper	
41	100		
69	86.5	67.1	100.7
39	63.0	50.5	75.7



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





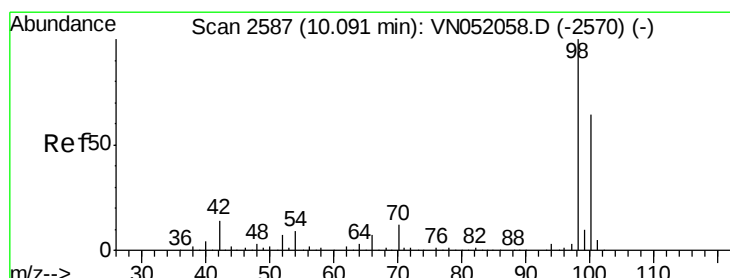
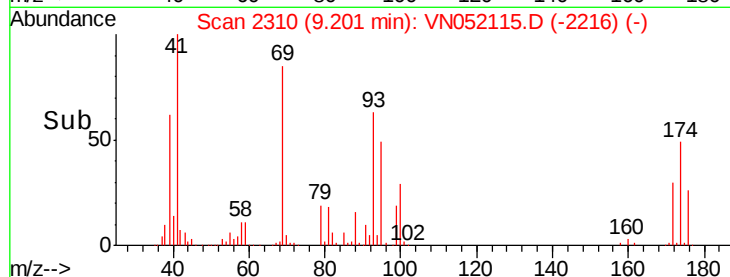
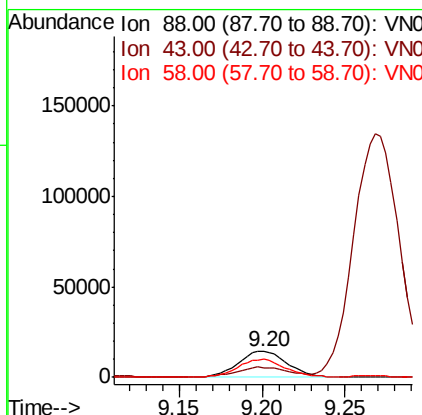
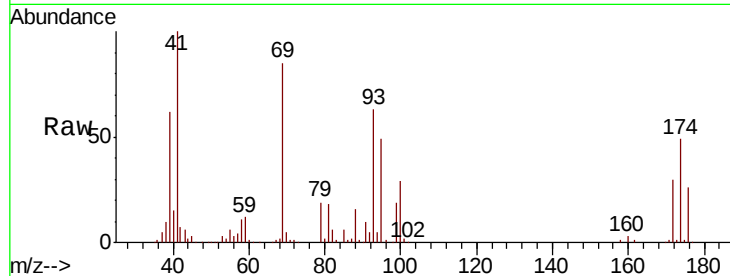
#49
1,4-Dioxane
Concen: 993.967 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	34.1	51.1
58	67.6	62.8	94.2

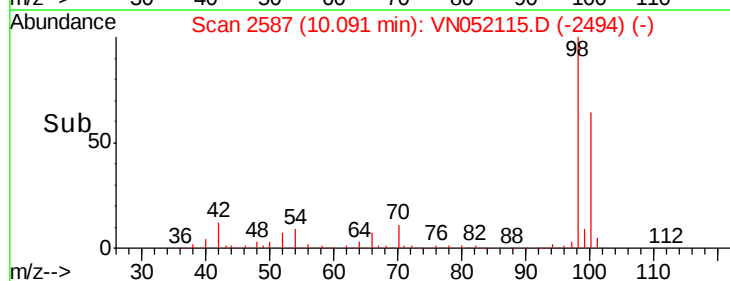
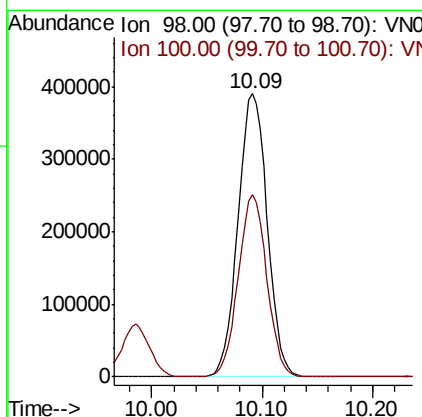
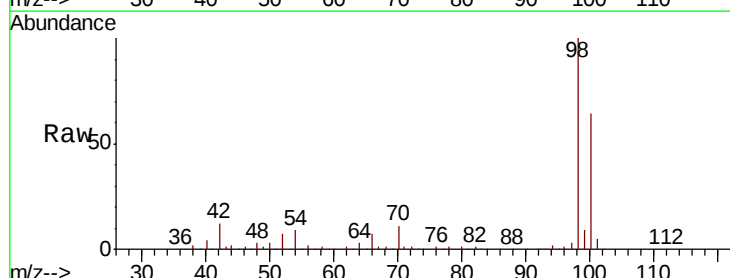
Manual Integrations
APPROVED

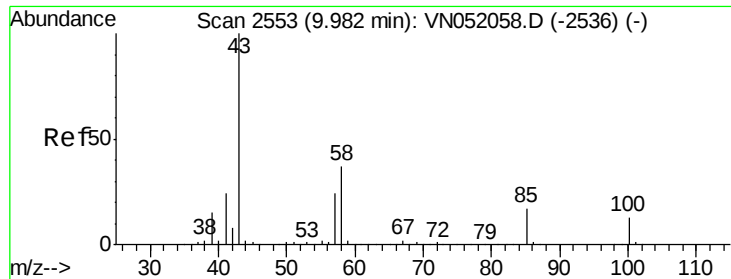
MMDadoda
11/5/2018 11:52:34 AM



#50
Toluene-d8
Concen: 993.967 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.4	77.2





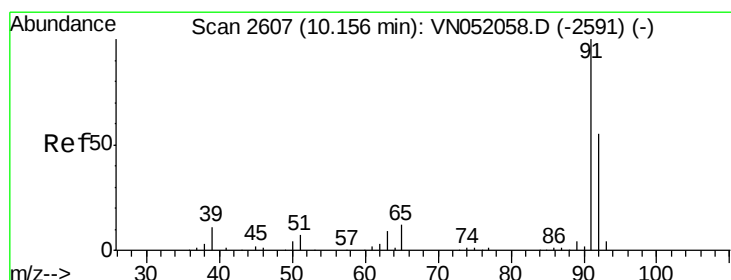
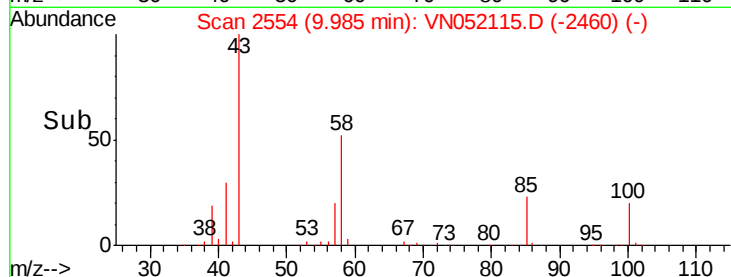
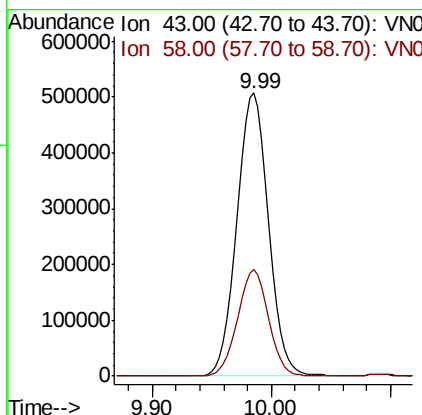
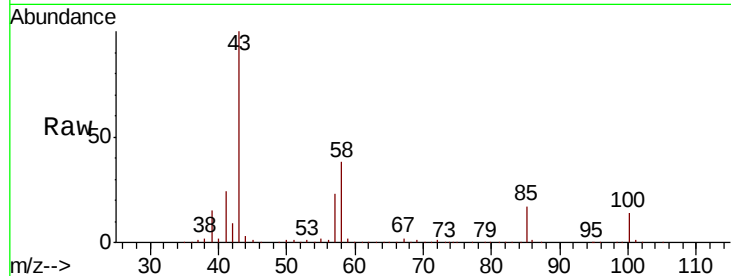
#51
4-Methyl-2-Pentanone
Concen: 244.091 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 930378
Ion Ratio Lower Upper
43 100
58 36.9 29.7 44.5

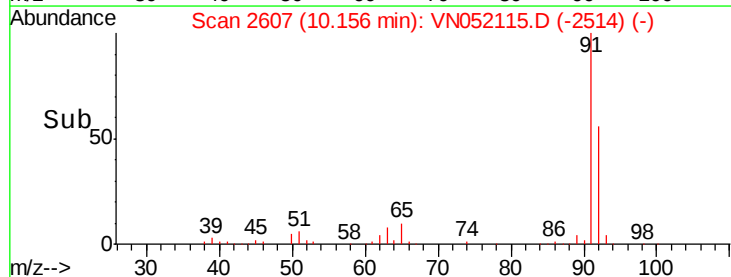
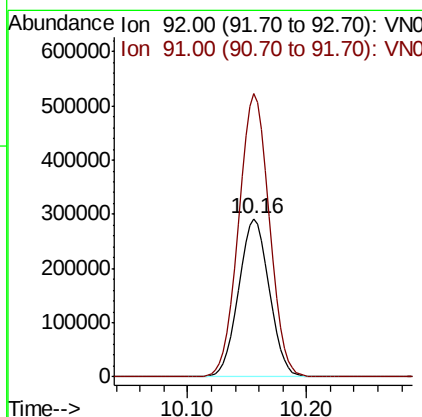
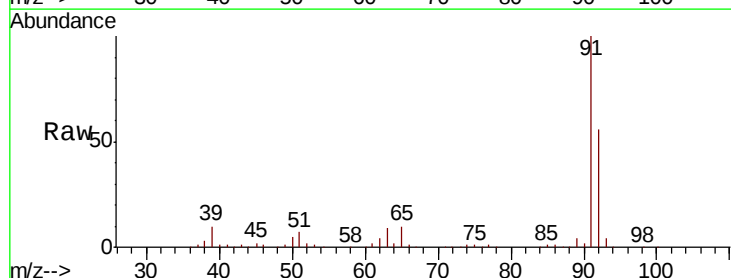
Manual Integrations
APPROVED

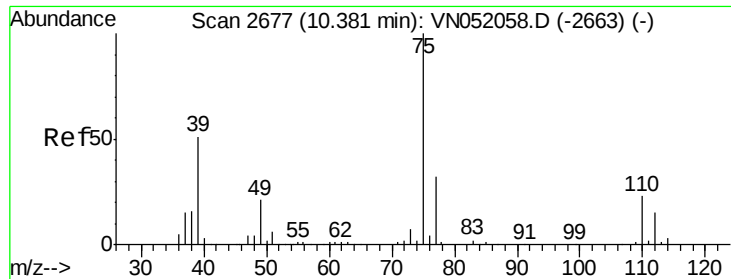
MMDadoda
11/5/2018 11:52:34 AM



#52
Toluene
Concen: 50.741 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 92 Resp: 521890
Ion Ratio Lower Upper
92 100
91 179.0 143.9 215.9





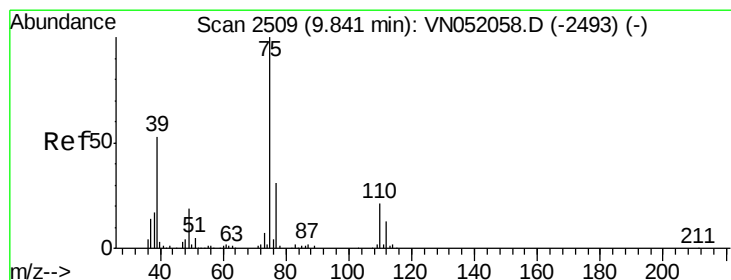
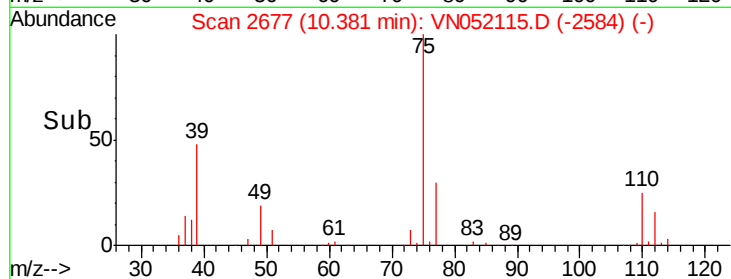
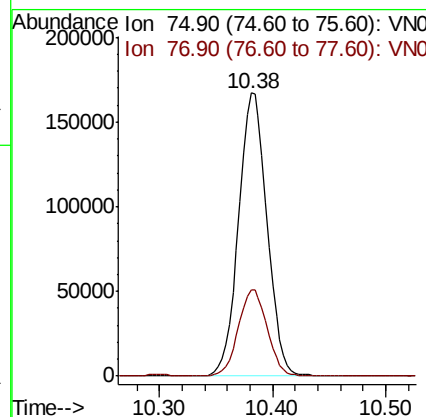
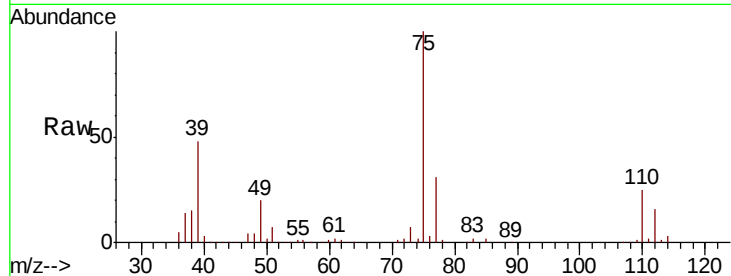
#53
t-1,3-Dichloropropene
Concen: 49.003 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4

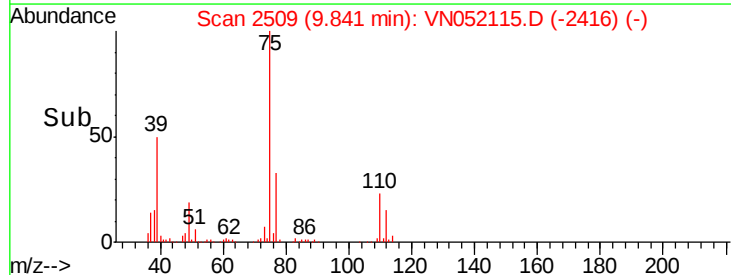
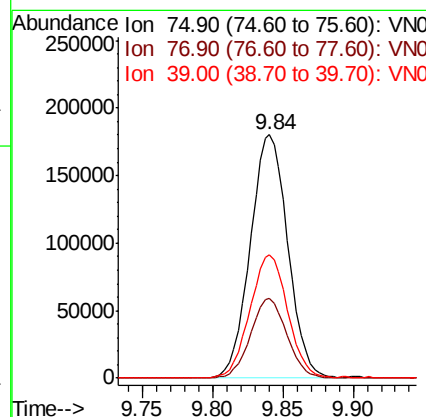
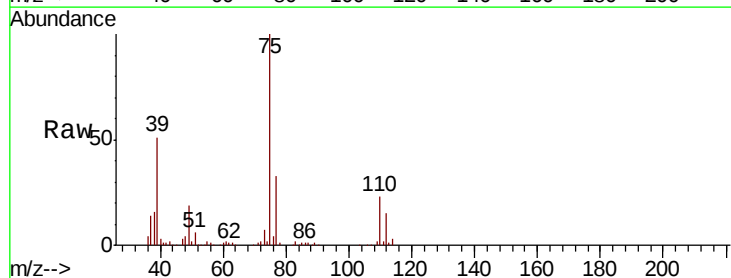
Manual Integrations
APPROVED

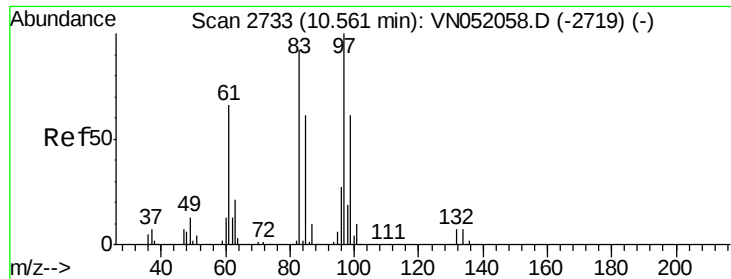
MMDadoda
11/5/2018 11:52:34 AM



#54
cis-1,3-Dichloropropene
Concen: 50.666 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	25.0	37.4
39	50.5	42.3	63.5





#55

1,1,2-Trichloroethane

Concen: 50.977 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

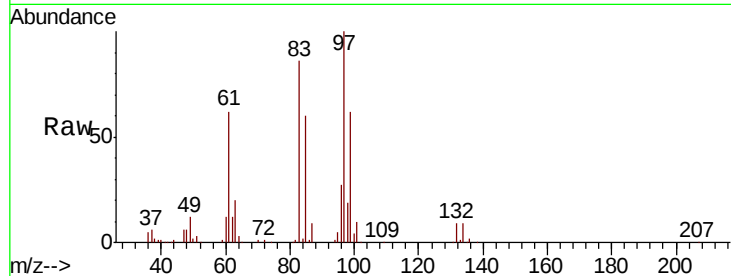
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	186747
Ion	Ratio	Lower	Upper
97	100		
83	86.4	73.8	110.8
85	60.0	48.4	72.6
99	61.6	48.6	72.8

Manual Integrations
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MMDadoda
11/5/2018 11:52:34 AM



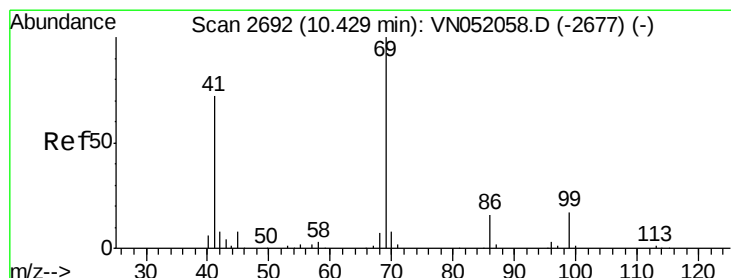
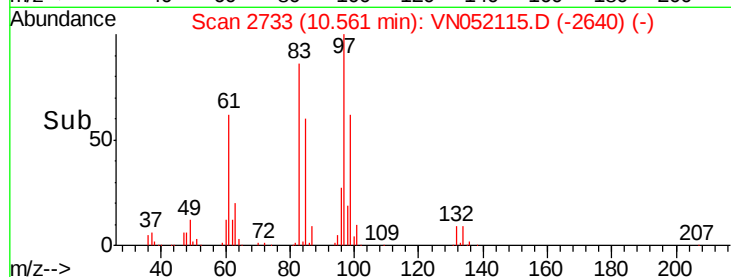
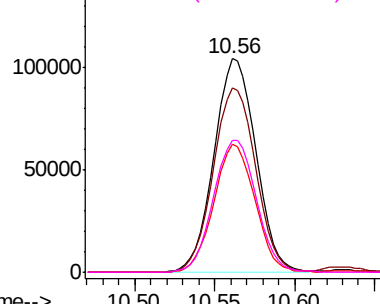
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 48.700 ug/l

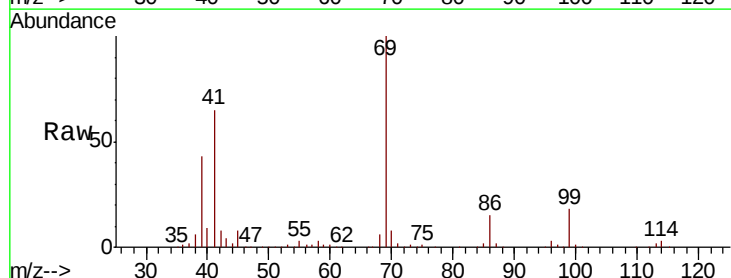
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion:	69	Resp:	255196
Ion	Ratio	Lower	Upper
69	100		
41	66.2	55.5	83.3
39	41.3	33.0	49.4

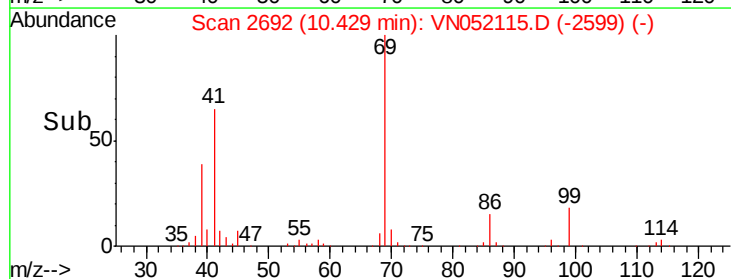
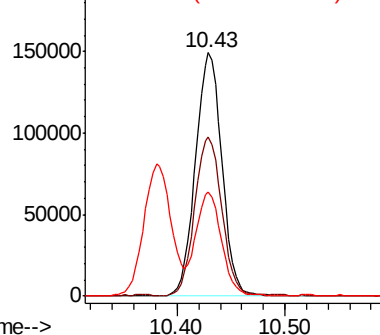


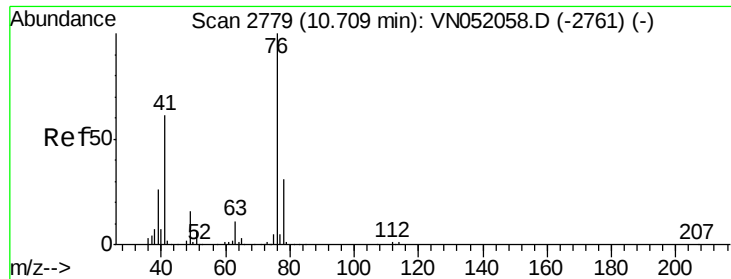
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





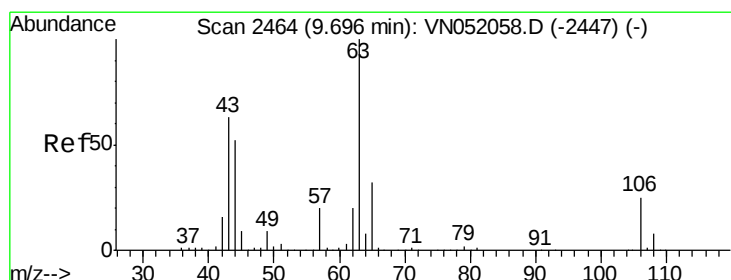
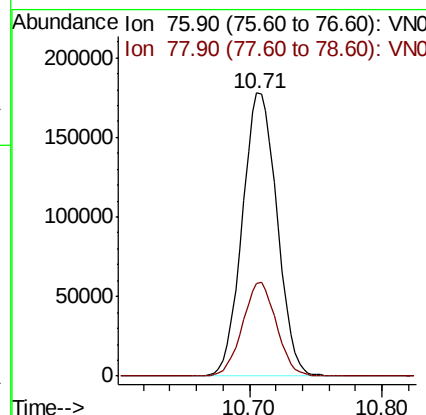
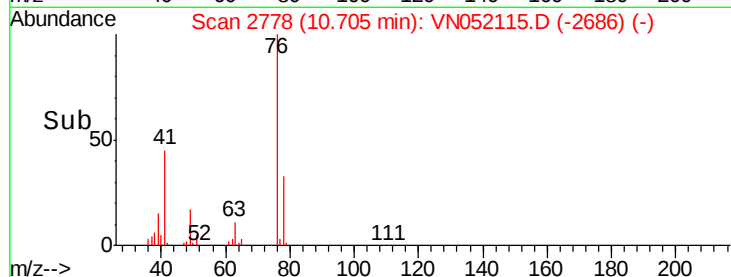
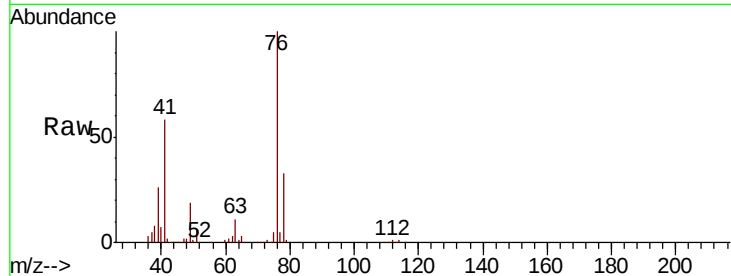
#57
 1,3-Dichloropropane
 Concen: 47.964 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 323305
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0

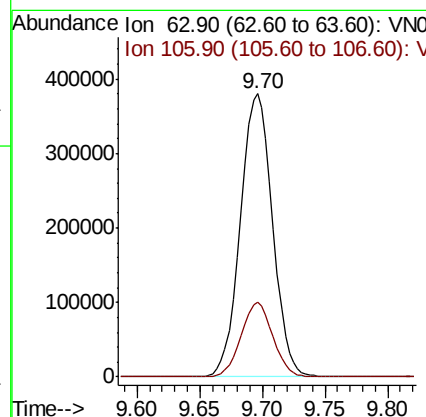
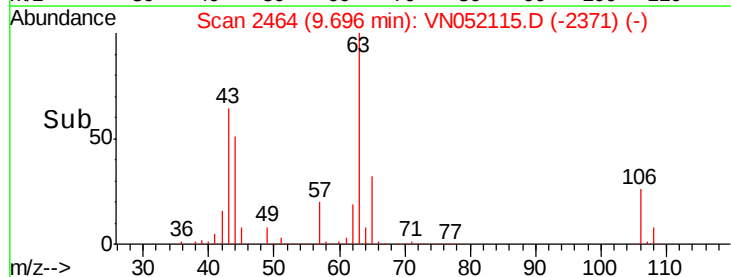
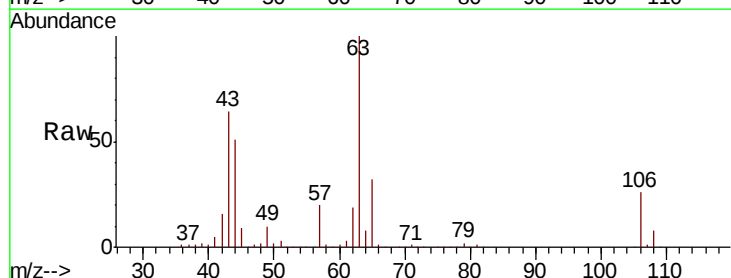
Manual Integrations
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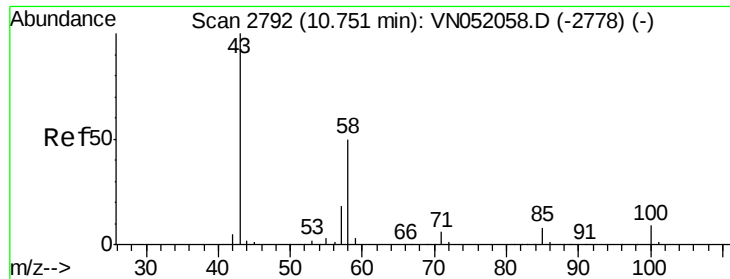
MMDadoda
 11/5/2018 11:52:34 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 243.034 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 63 Resp: 677420
 Ion Ratio Lower Upper
 63 100
 106 26.1 19.4 29.2





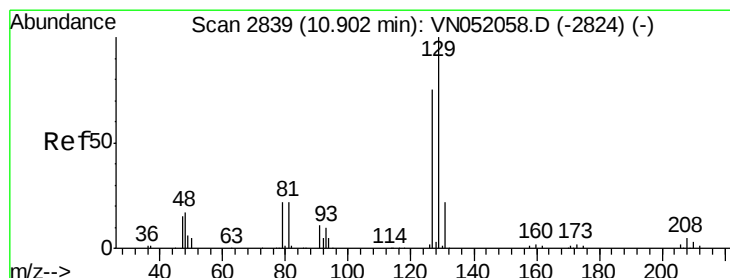
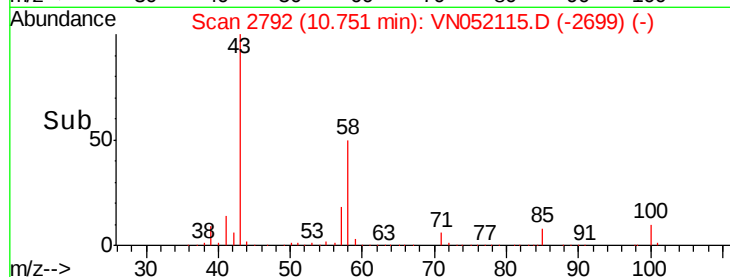
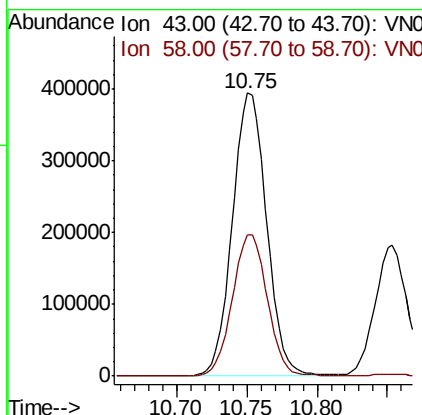
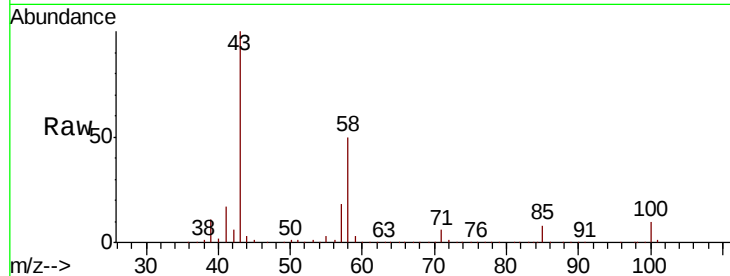
#59
2-Hexanone
Concen: 246.653 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 669965
Ion Ratio Lower Upper
43 100
58 50.9 25.2 75.6

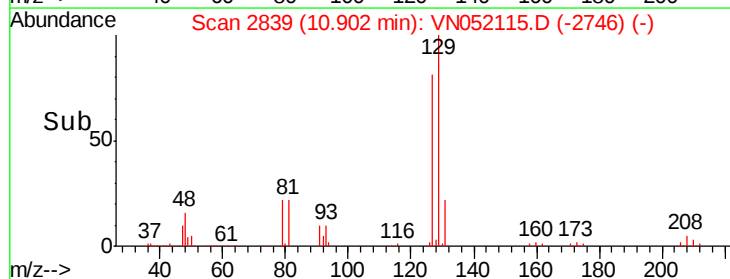
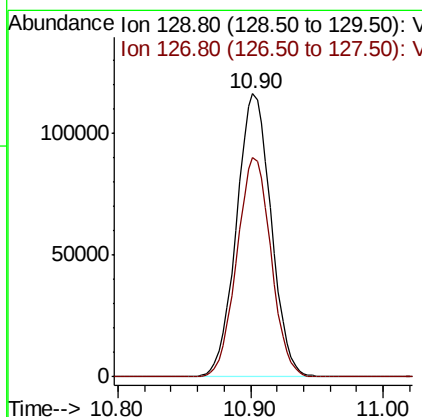
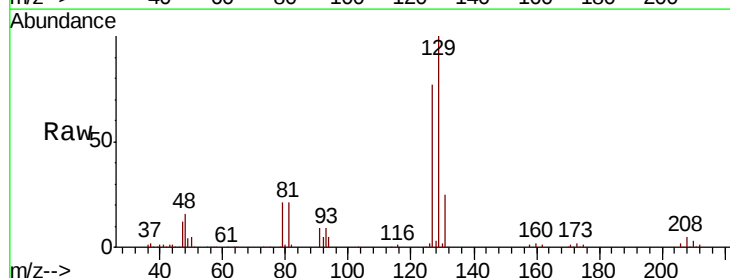
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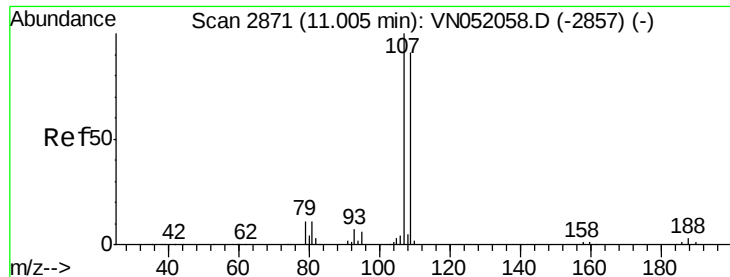
MMDadoda
11/5/2018 11:52:34 AM



#60
Dibromochloromethane
Concen: 58.295 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 129 Resp: 210238
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





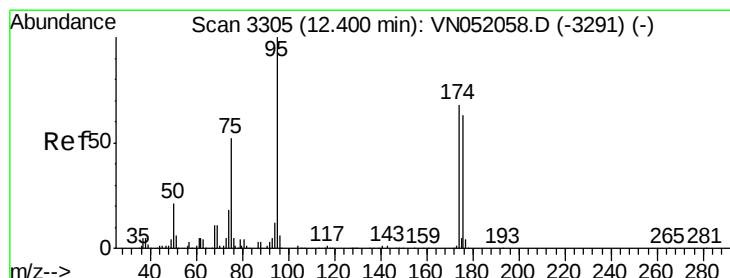
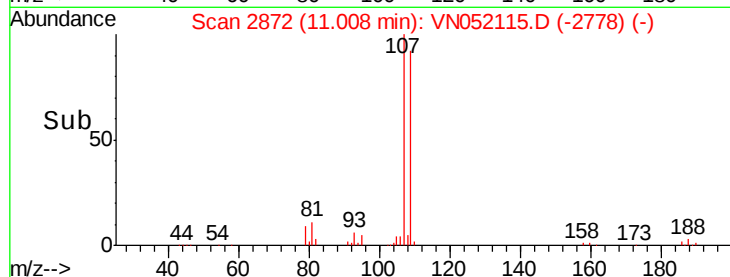
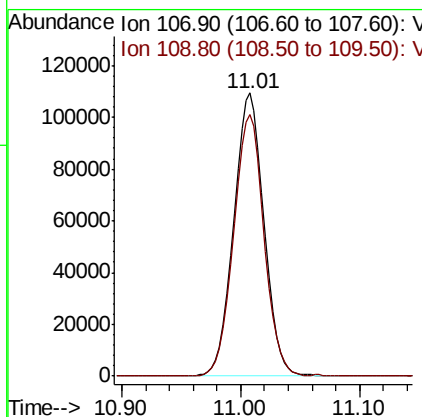
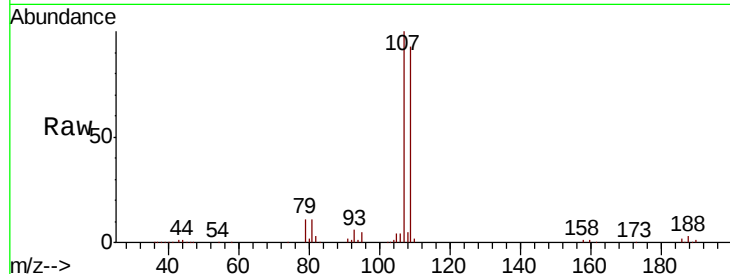
#61
 1,2-Dibromoethane
 Concen: 52.763 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.1	112.7

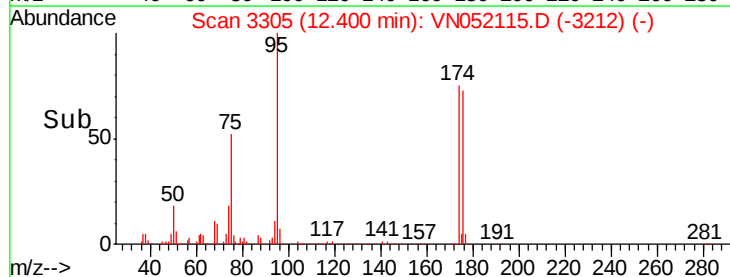
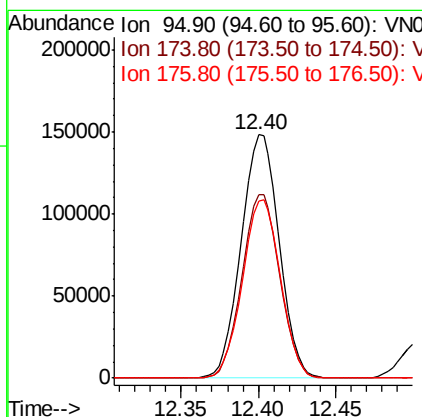
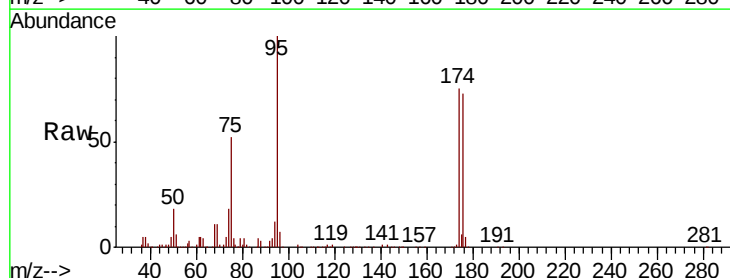
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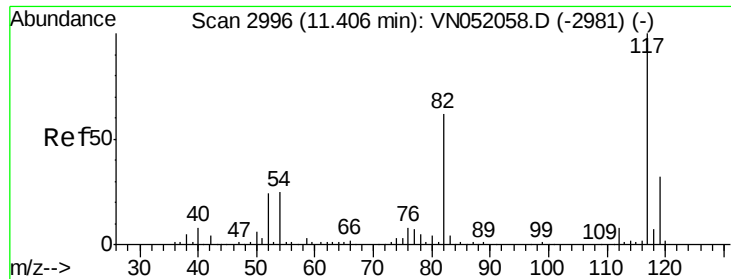
MMDadoda
 11/5/2018 11:52:34 AM



#62
 4-Bromofluorobenzene
 Concen: 52.763 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	131.8
176	73.1	0.0	126.0





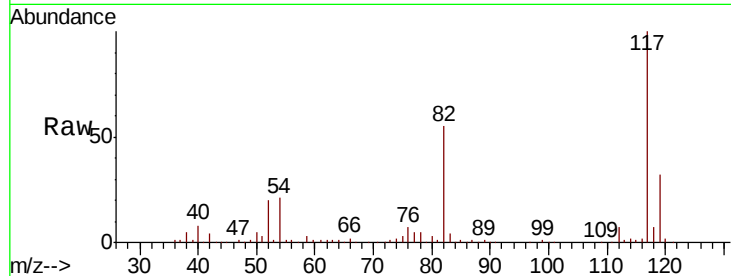
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	49.9	74.9
119	32.1	25.7	38.5

Manual Integrations
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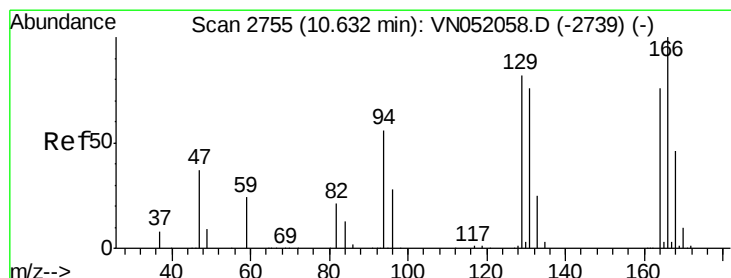
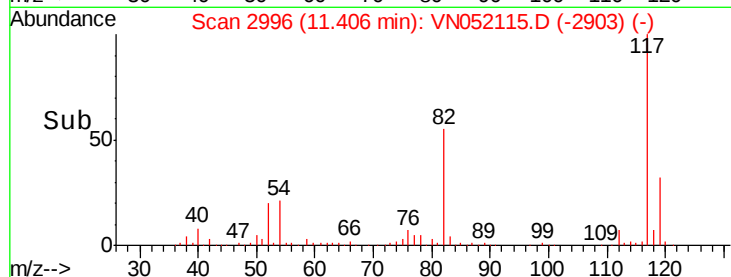
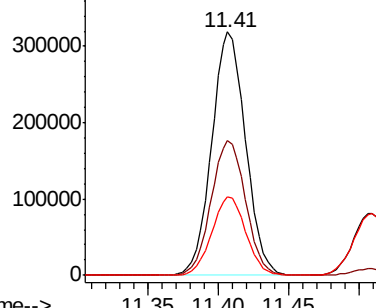


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 55.282 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	105.4	158.0
129	103.3	86.1	129.1
131	101.3	80.3	120.5

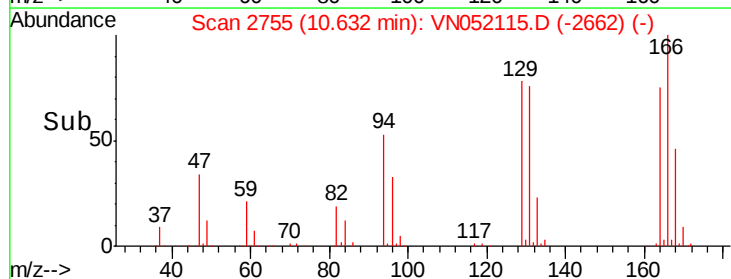
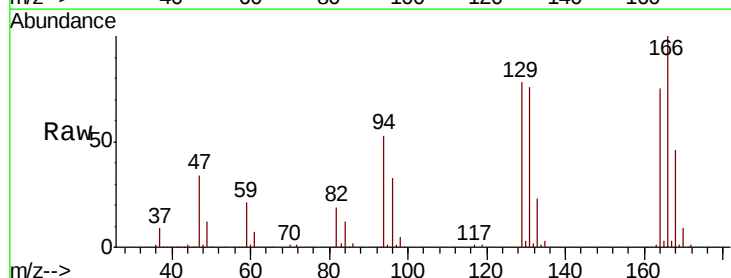
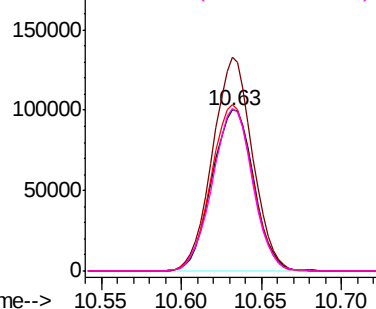
Abundance

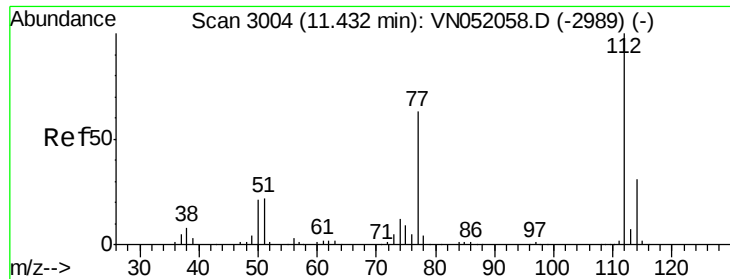
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





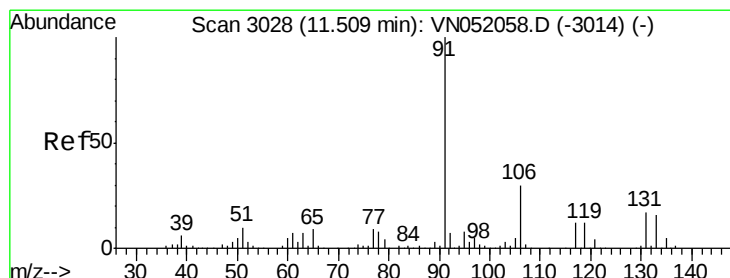
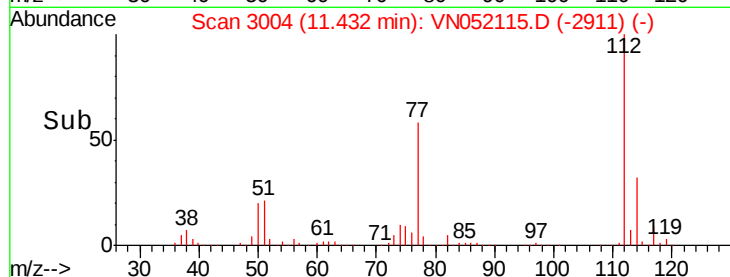
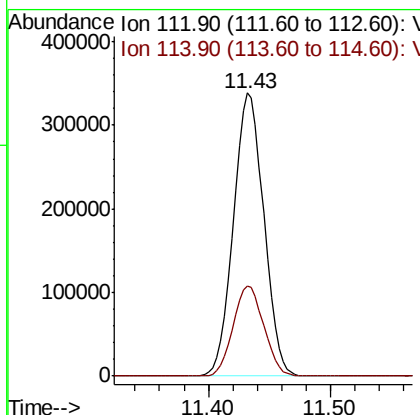
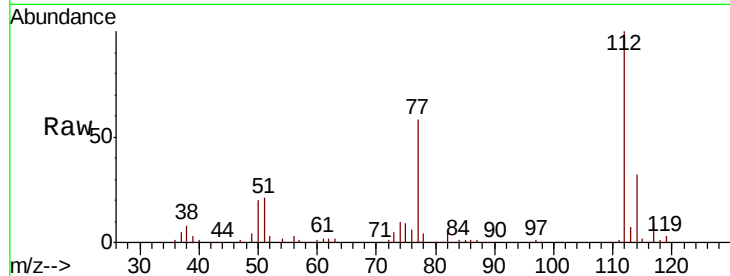
#65
Chlorobenzene
Concen: 51.649 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 583811
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7

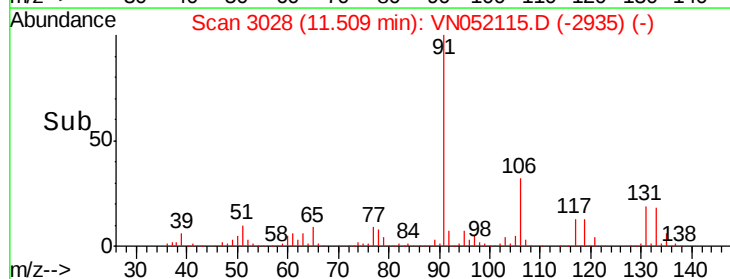
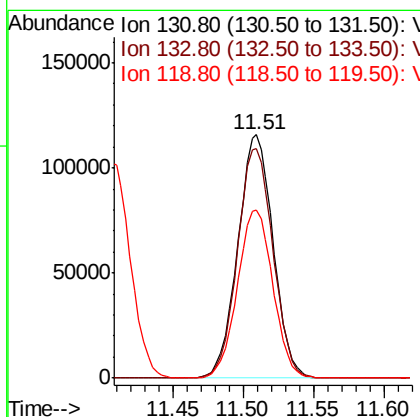
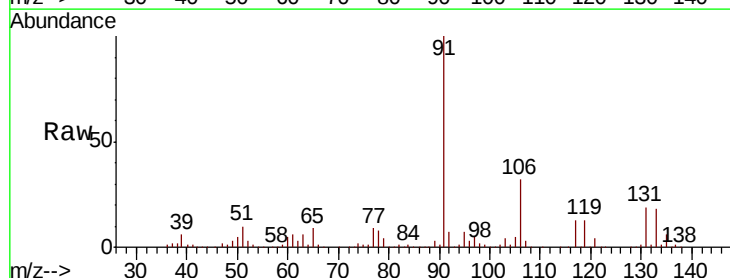
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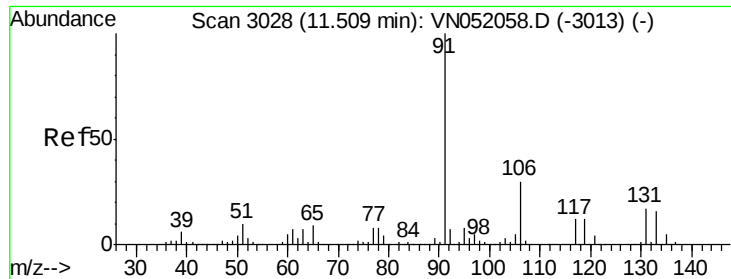
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.097 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion:131 Resp: 202653
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 69.7 34.4 103.2





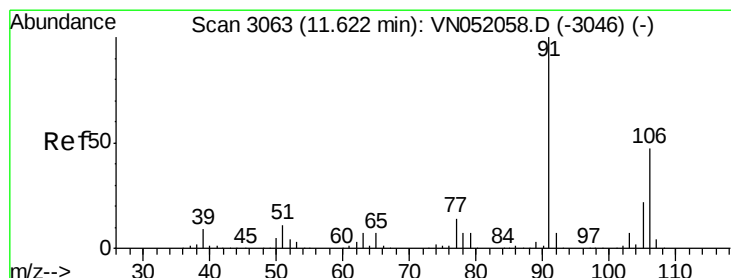
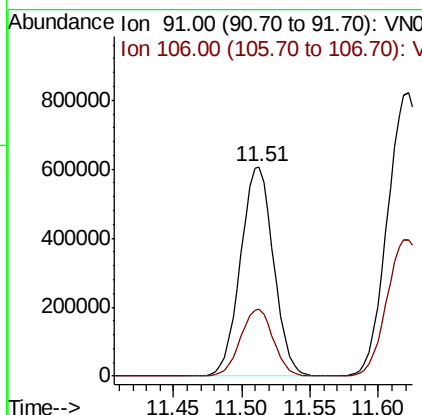
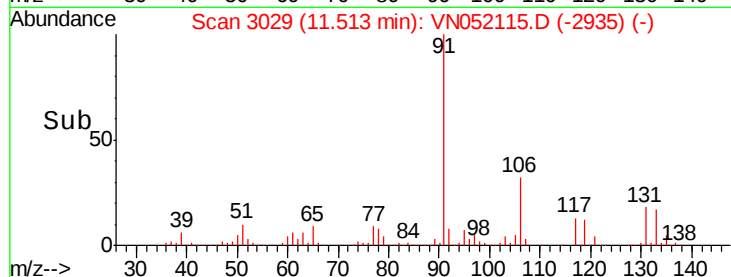
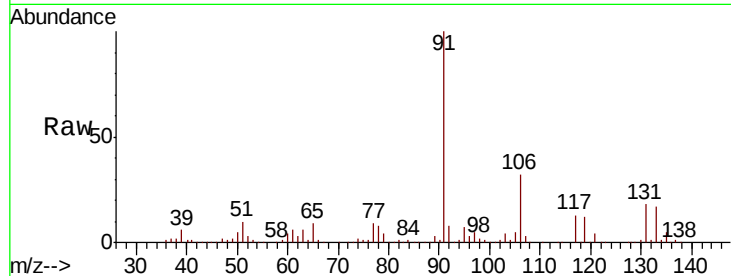
#67
Ethyl Benzene
Concen: 50.526 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1018482
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

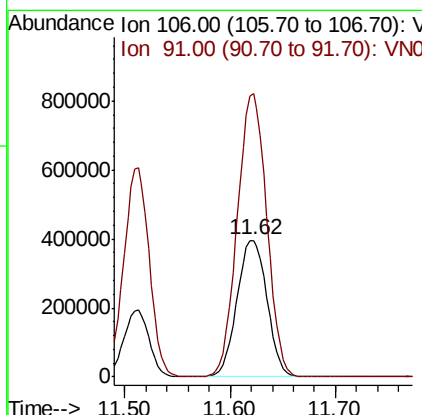
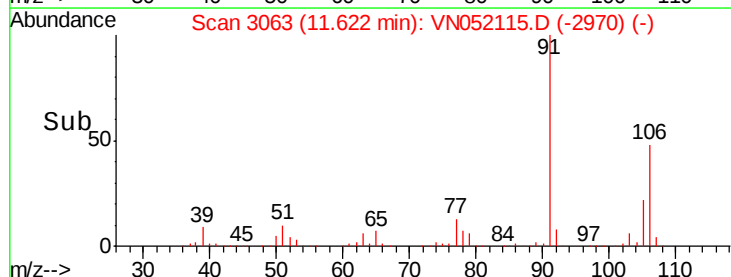
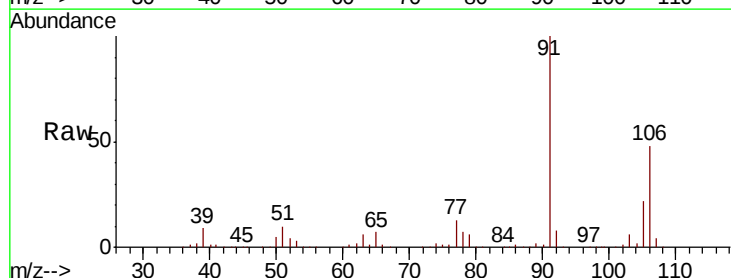
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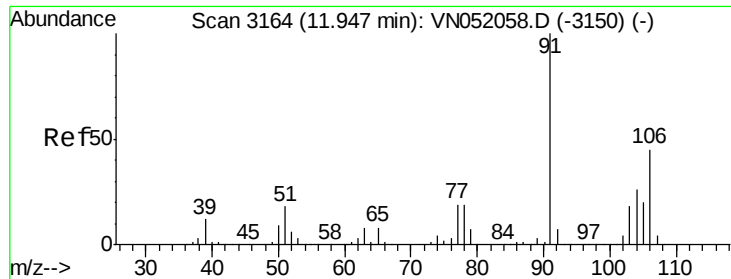
MMDadoda
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#68
m/p-Xylenes
Concen: 108.476 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 106 Resp: 782652
Ion Ratio Lower Upper
106 100
91 202.9 168.7 253.1





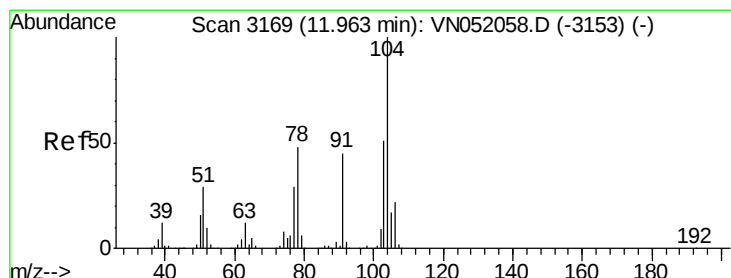
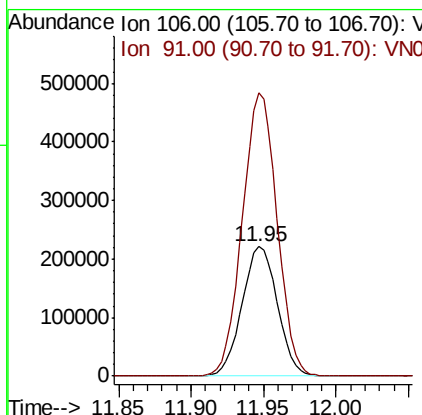
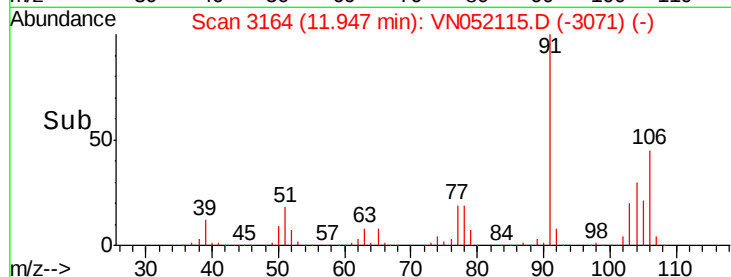
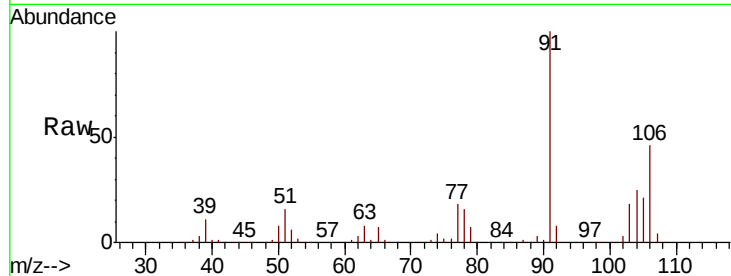
#69
o-Xylene
Concen: 52.746 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.4	109.6	328.6	

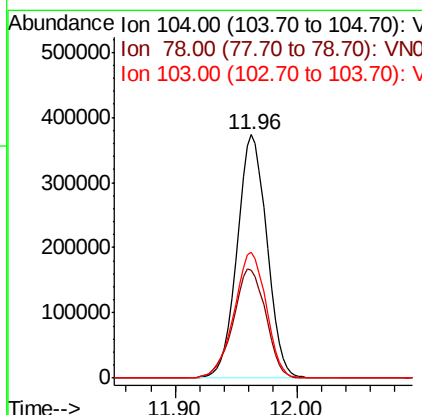
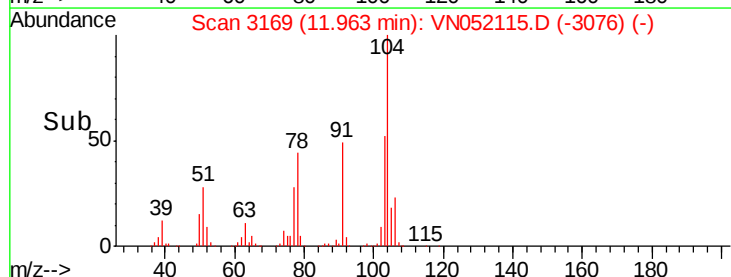
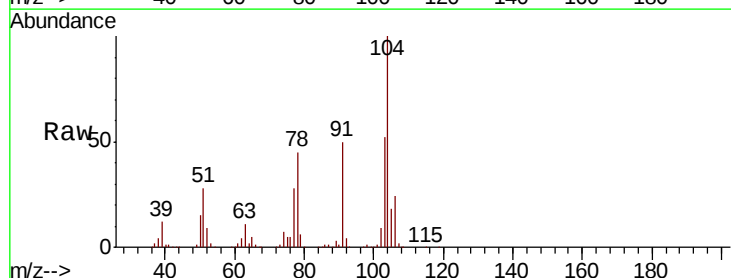
Manual Integrations
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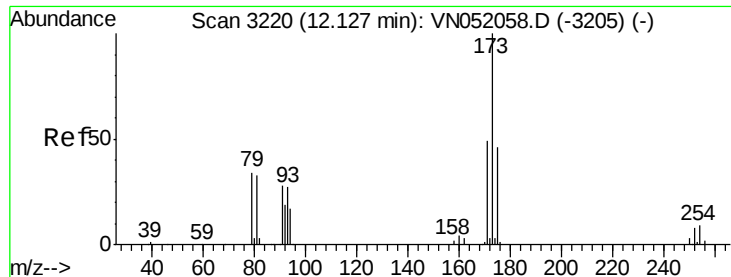
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#70
Styrene
Concen: 54.166 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.6	43.0	64.6	
103	56.1	45.1	67.7	





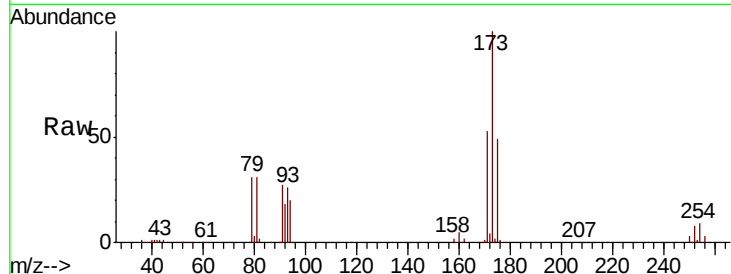
#71
Bromoform
Concen: 52.918 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

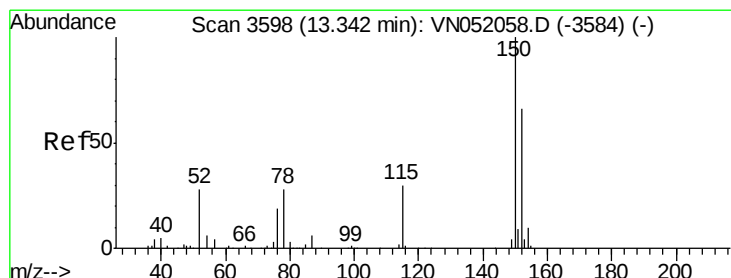
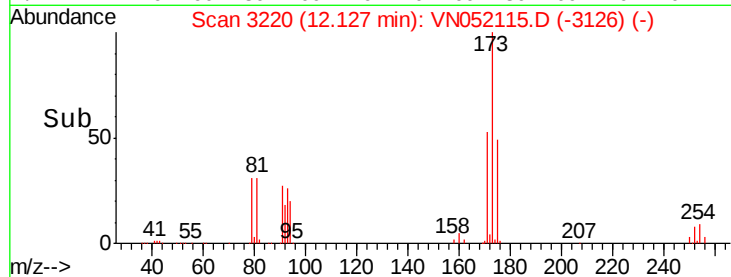
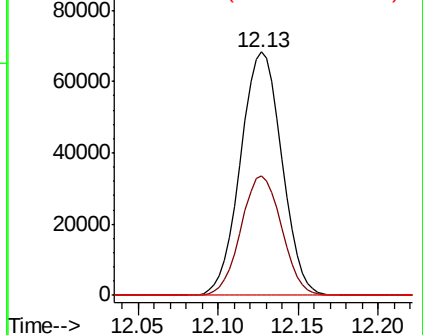
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	23.9	71.7
254	0.0	0.0	0.0

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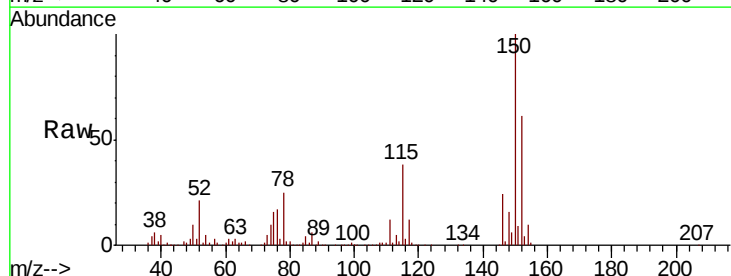


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

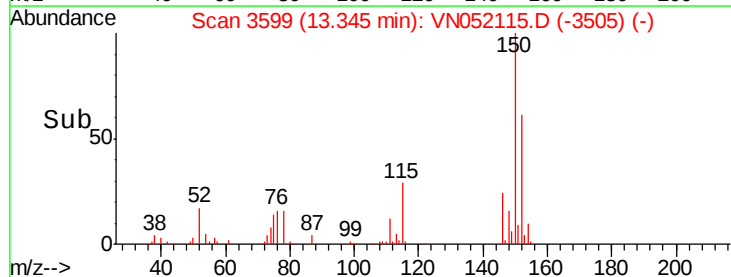
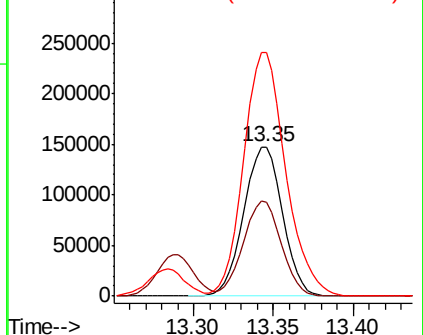


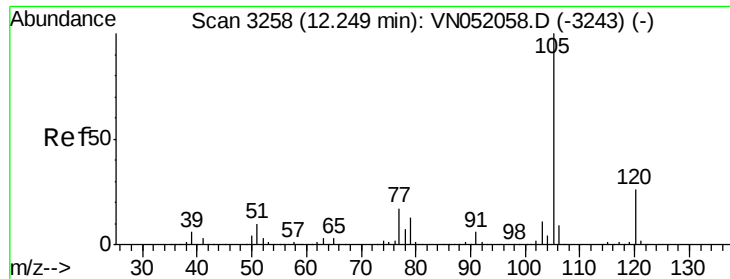
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.6	95.0
150	177.0	0.0	345.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1014587

Ion Ratio Lower Upper

105 100

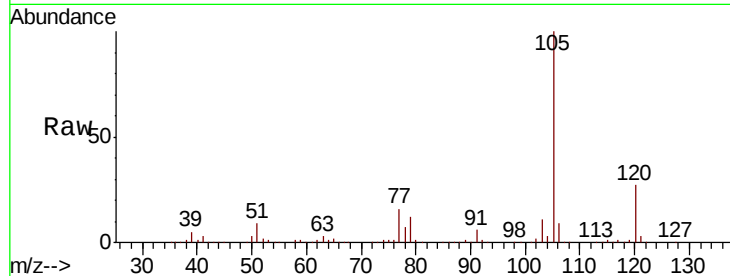
120 27.0 12.8 38.4

Manual Integrations

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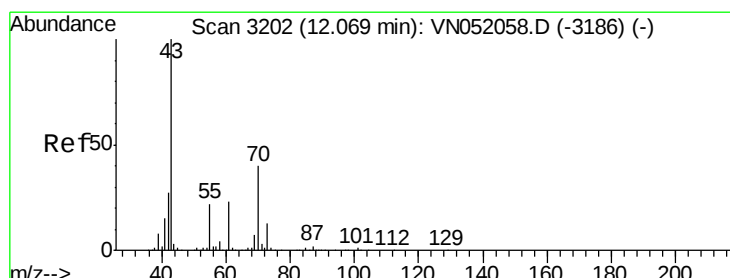
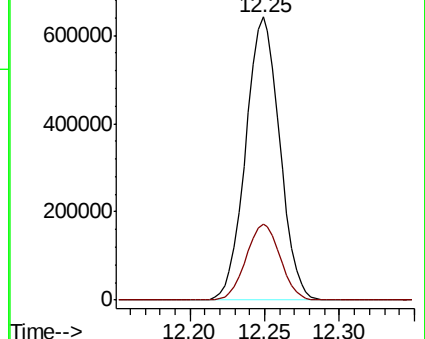
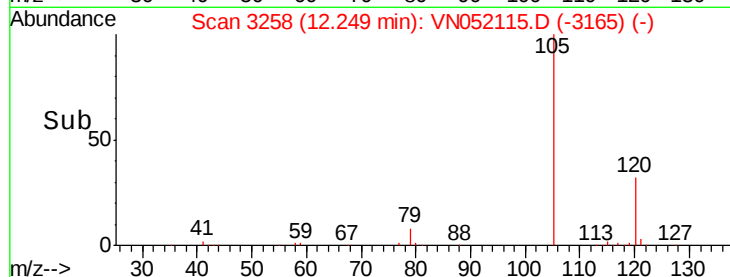
MMDadoda

11/5/2018 11:52:34 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.015 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion: 43 Resp: 312491

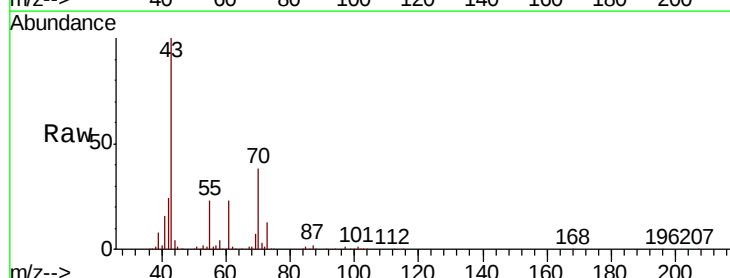
Ion Ratio Lower Upper

43 100

70 39.2 31.9 47.9

55 22.9 18.4 27.6

61 22.7 18.2 27.4

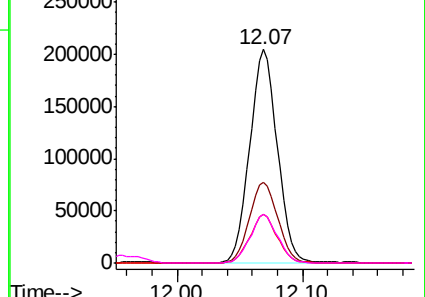
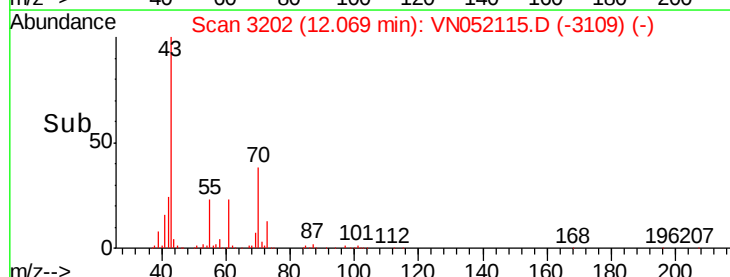


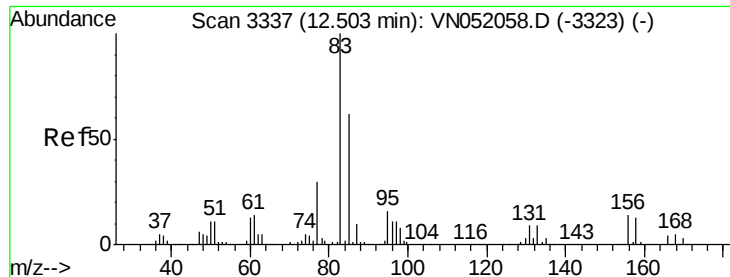
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.417 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

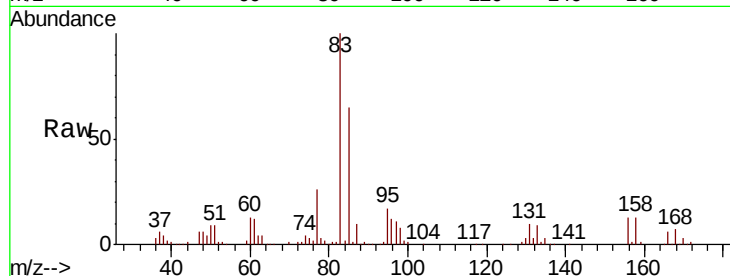
ClientSampleId :

VSTDCCC050

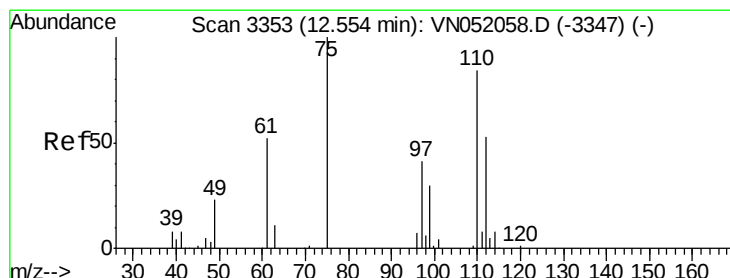
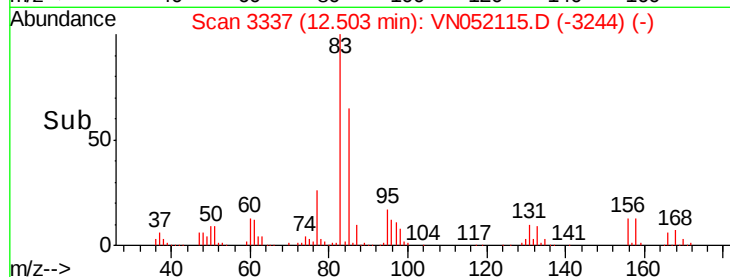
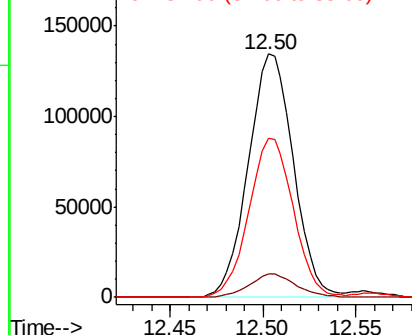
Tot Ion:	83	Resp:	226705
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.5	13.4
85	64.5	31.3	93.9

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 46.896 ug/l m

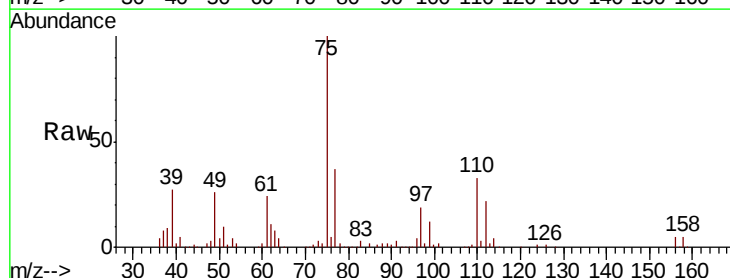
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

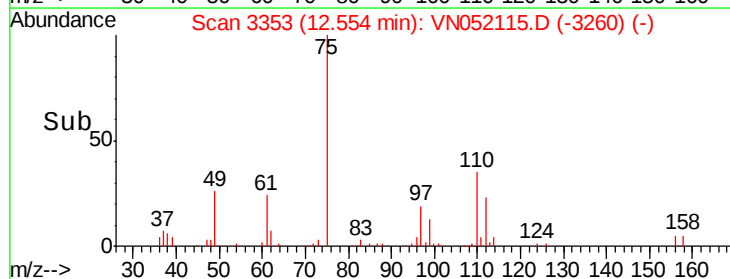
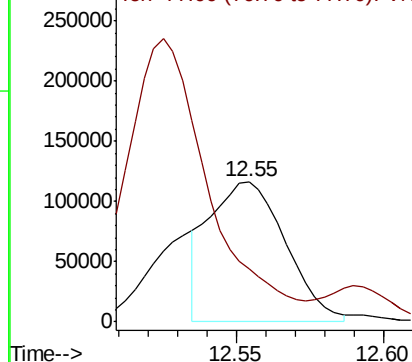
Lab File: VN052115.D

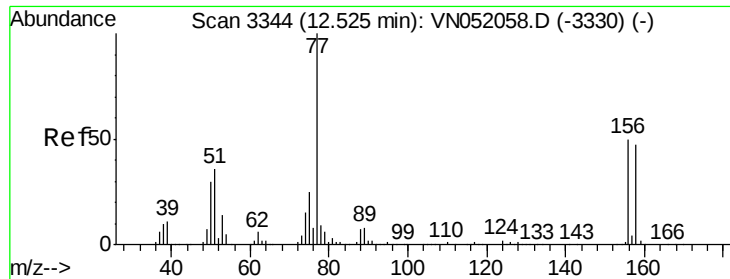
Acq: 2 Nov 2018 8:48

Tgt Ion:	75	Resp:	208970
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





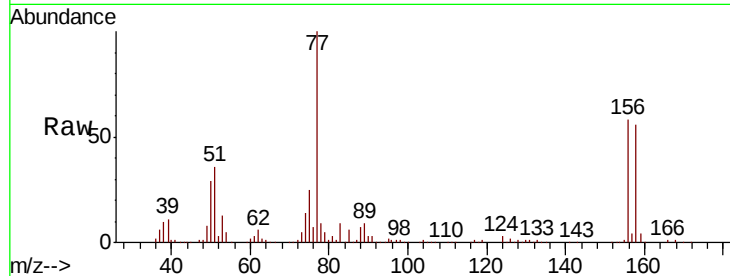
#77
Bromobenzene
Concen: 52.487 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

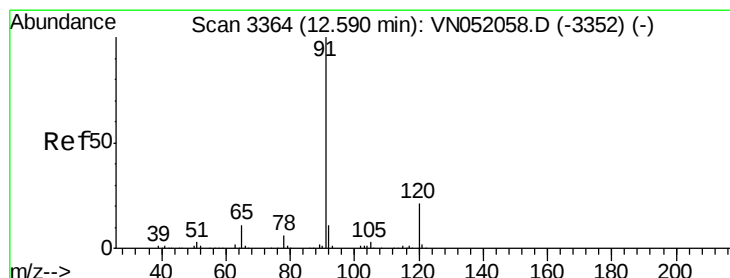
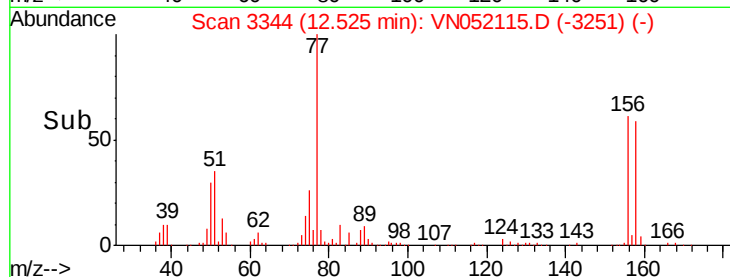
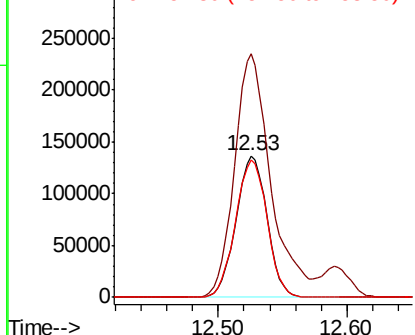
Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	201.2	119.6	358.6	
158	98.5	47.8	143.4	

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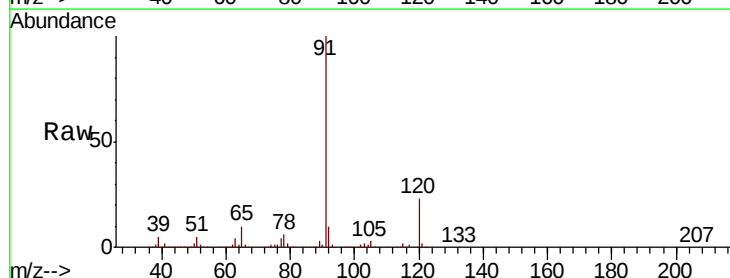


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

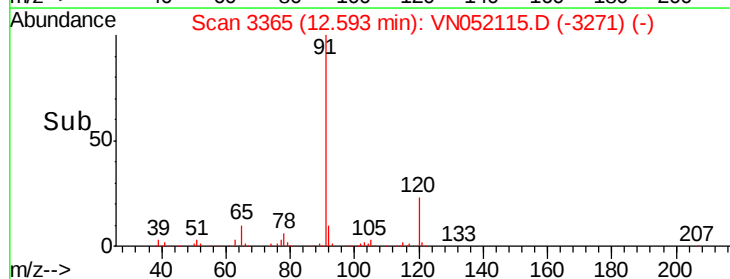
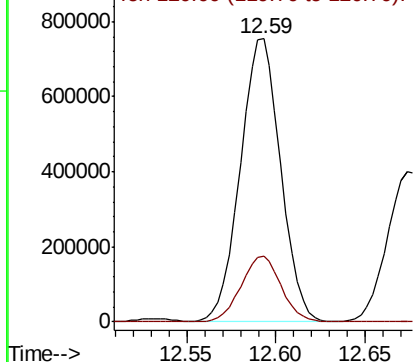


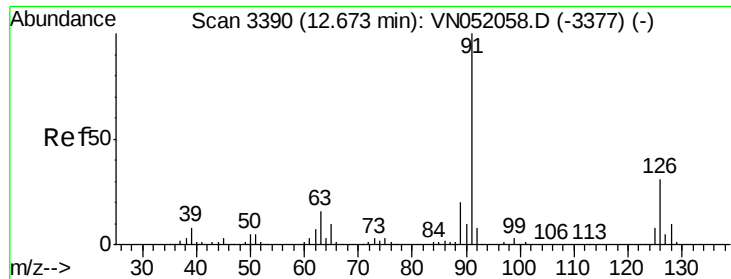
#78
n-propylbenzene
Concen: 47.130 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	10.8	32.4	



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





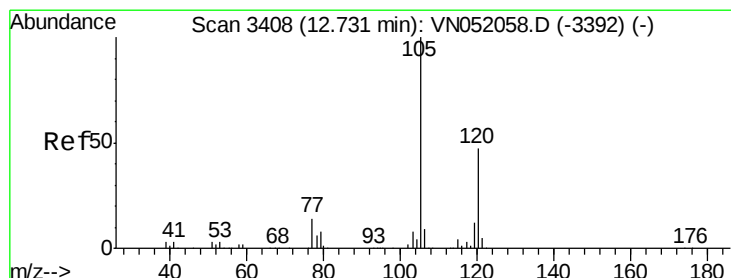
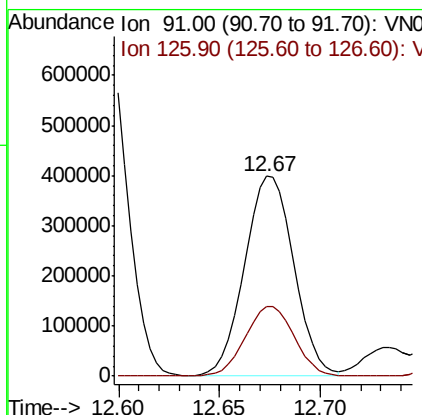
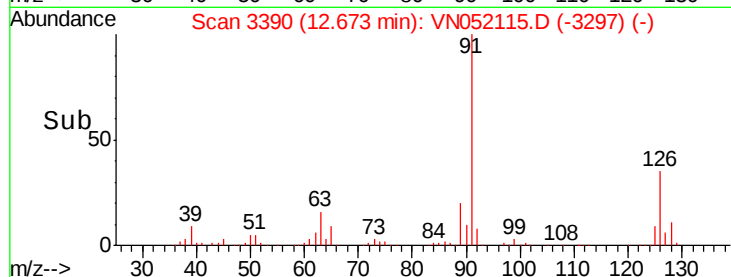
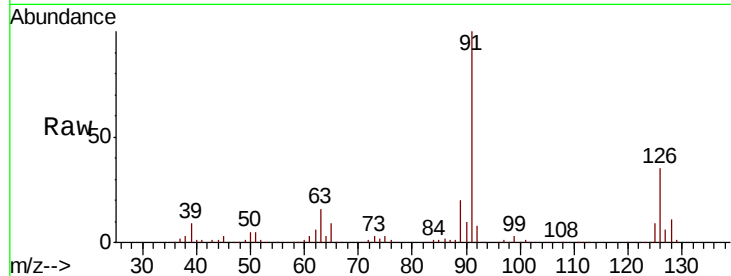
#79
 2-Chlorotoluene
 Concen: 46.216 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 679575
 Ion Ratio Lower Upper
 91 100
 126 34.9 15.9 47.6

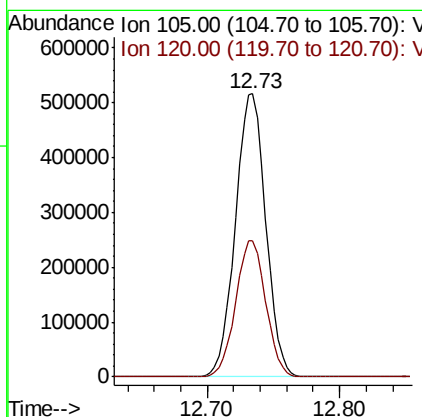
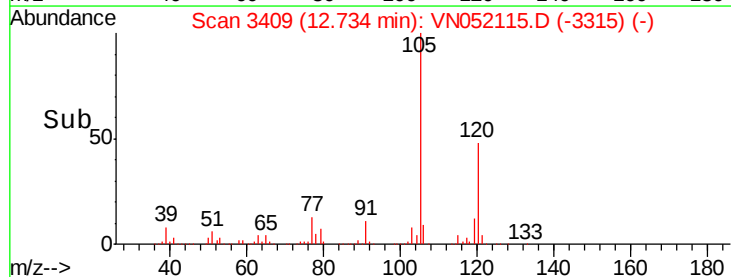
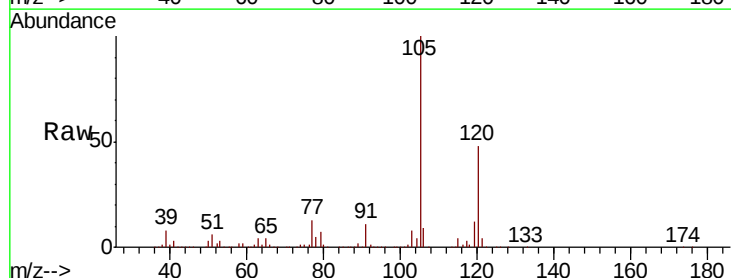
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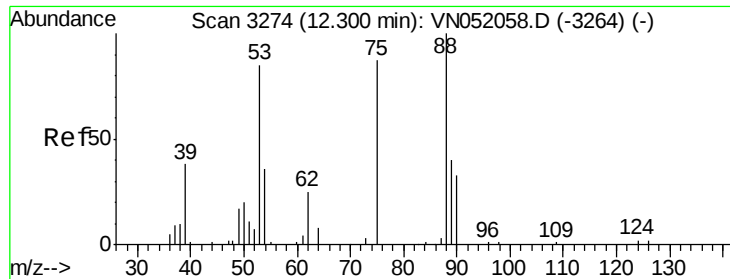
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 48.431 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 105 Resp: 820405
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.0





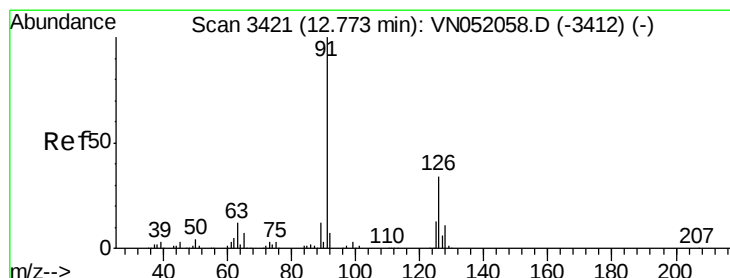
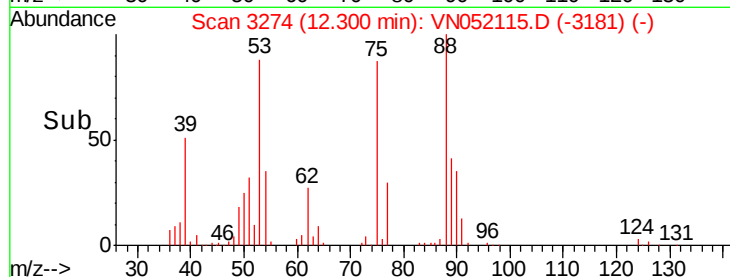
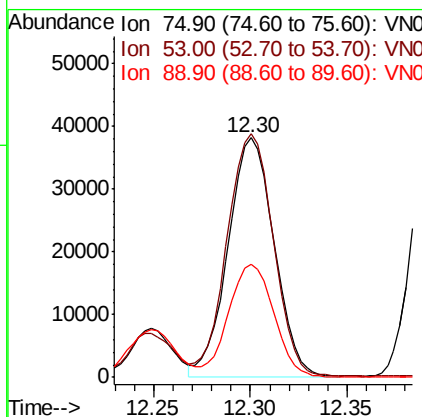
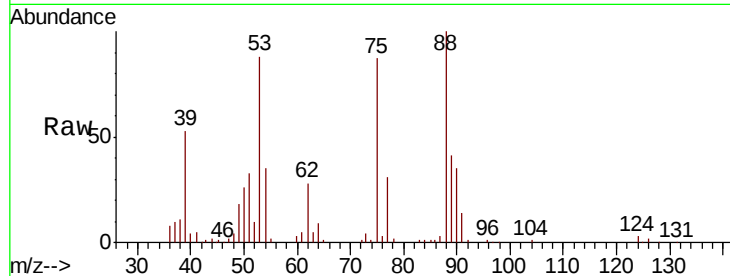
#81
trans-1,4-Dichloro-2-butene
Concen: 47.351 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	81.8	122.6
89	46.6	36.6	54.8

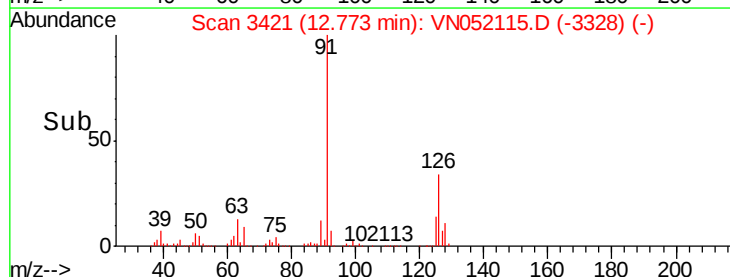
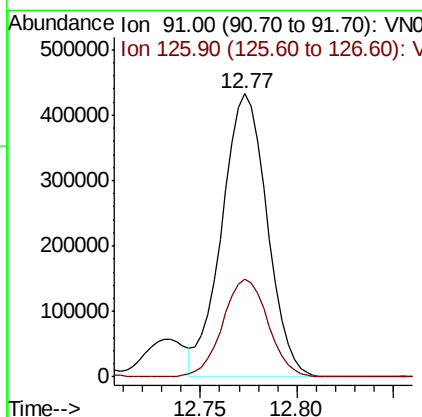
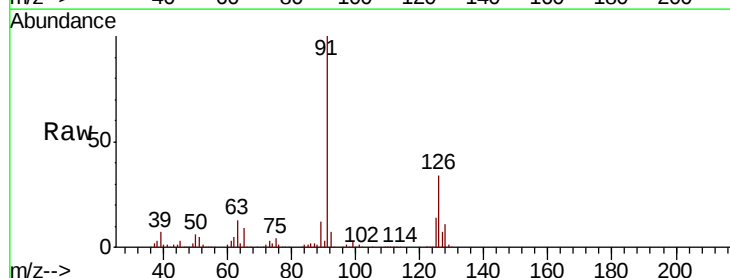
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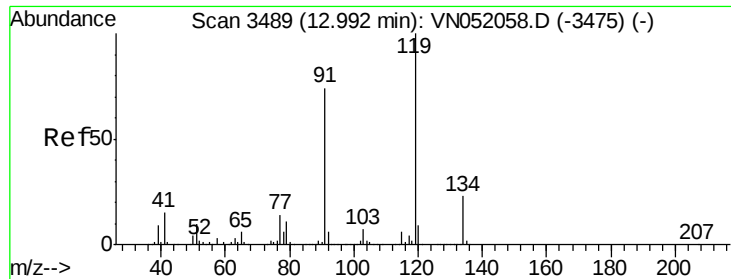
MMDadoda
11/5/2018 11:52:34 AM



#82
4-Chlorotoluene
Concen: 46.921 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	15.7	47.1





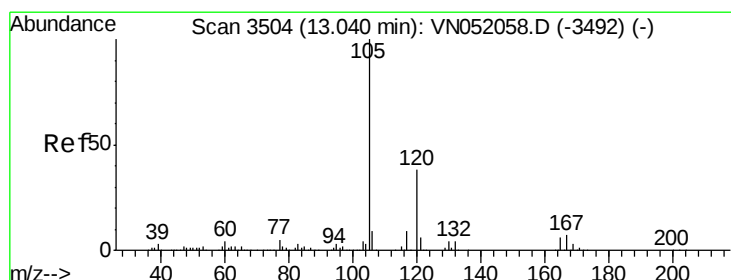
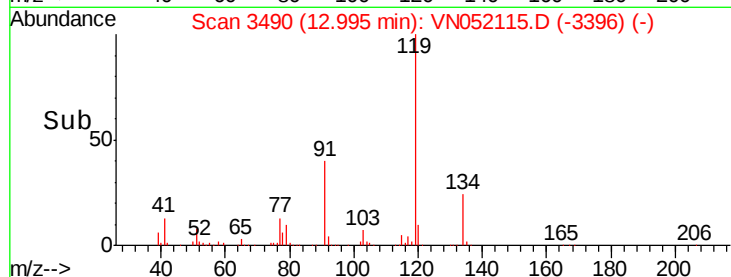
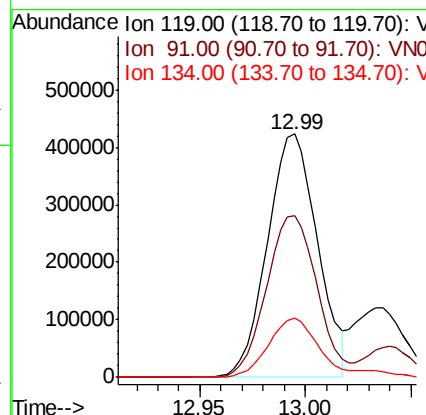
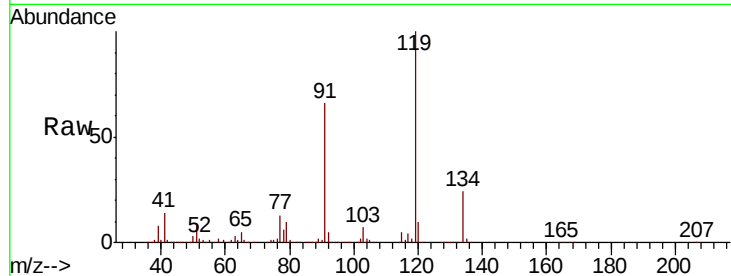
#83
tert-Butylbenzene
Concen: 49.266 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	36.6	109.9
134	24.1	12.5	37.5

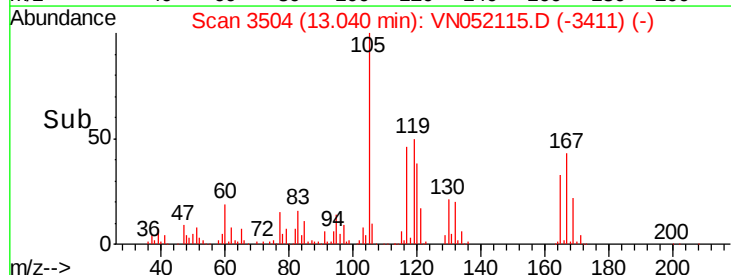
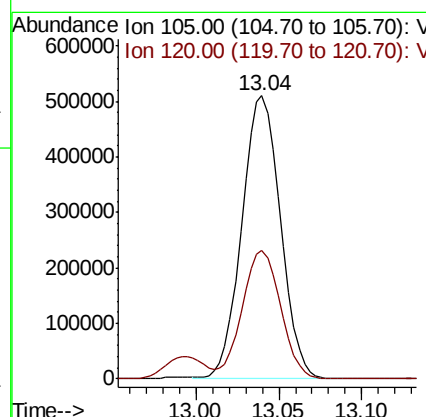
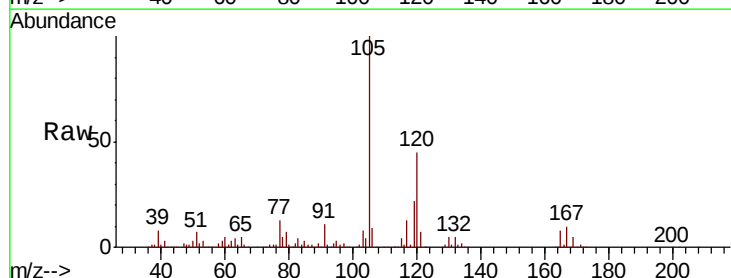
Manual Integrations
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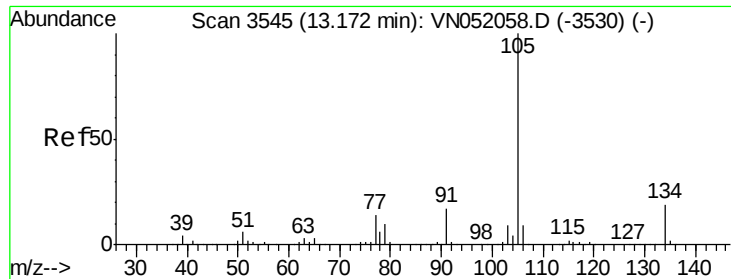
MMDadoda
11/5/2018 11:52:34 AM



#84
1,2,4-Trimethylbenzene
Concen: 48.976 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	21.9	65.5





#85

sec-Butylbenzene

Concen: 48.518 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 986253

Ion Ratio Lower Upper

105 100

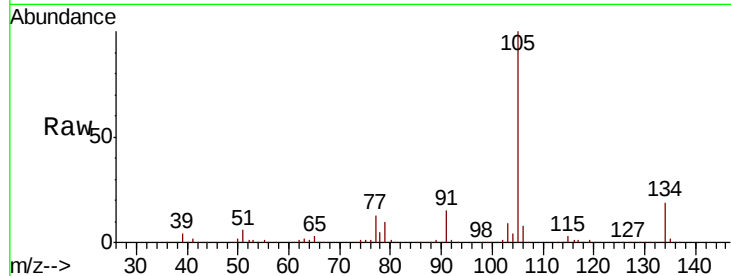
134 19.5 9.1 27.3

Manual Integrations

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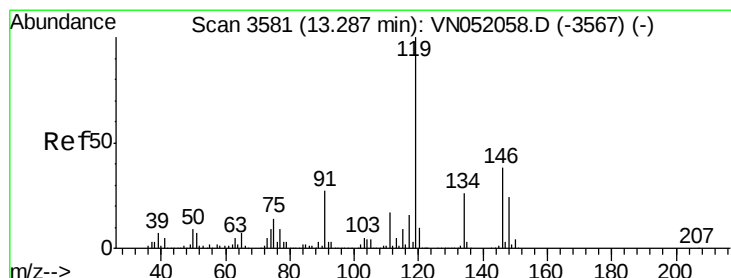
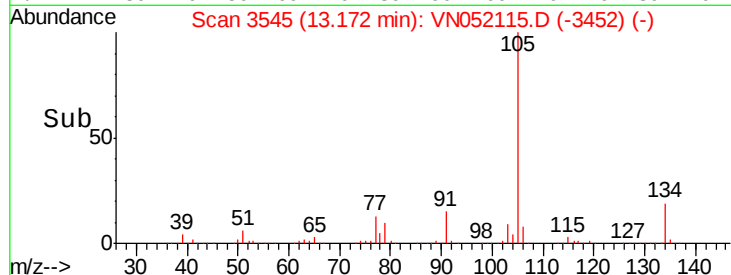
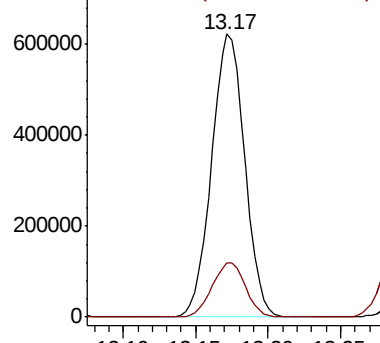
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.814 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

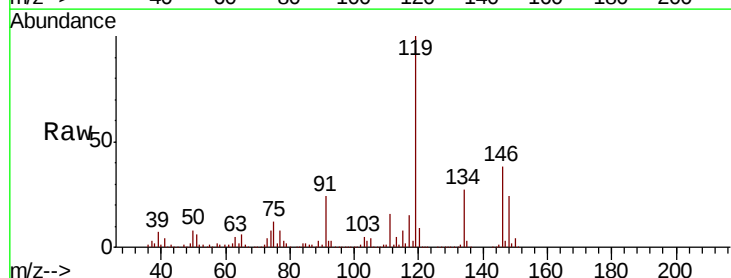
Tgt Ion:119 Resp: 841232

Ion Ratio Lower Upper

119 100

134 26.9 12.8 38.3

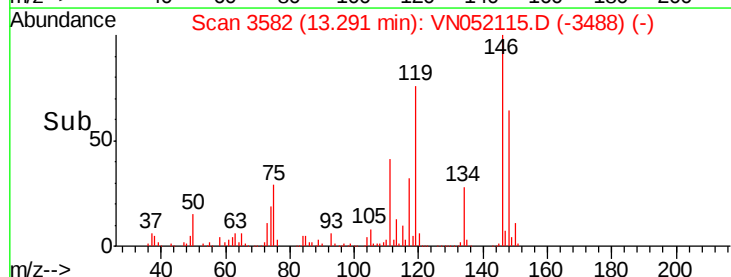
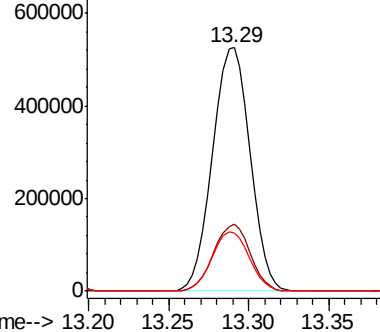
91 24.0 13.4 40.2

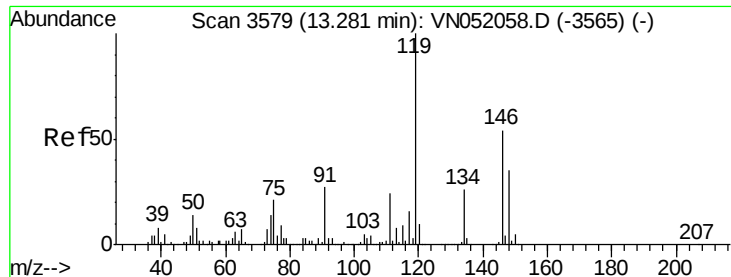


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





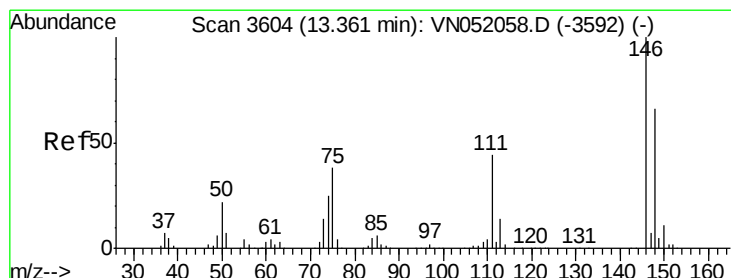
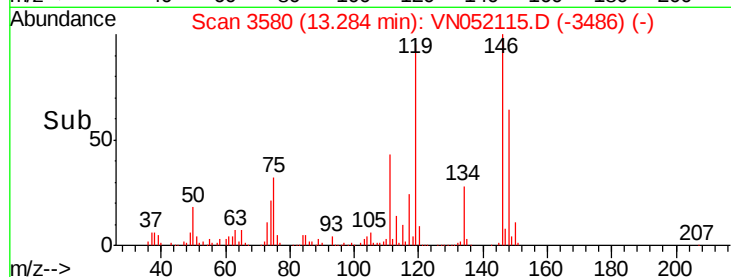
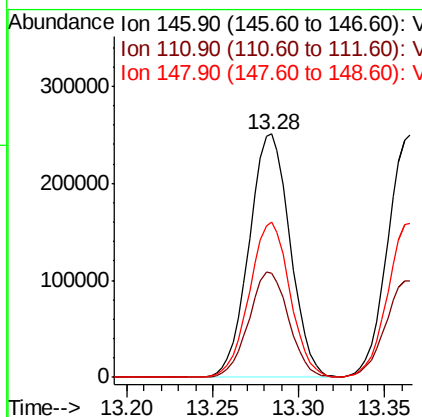
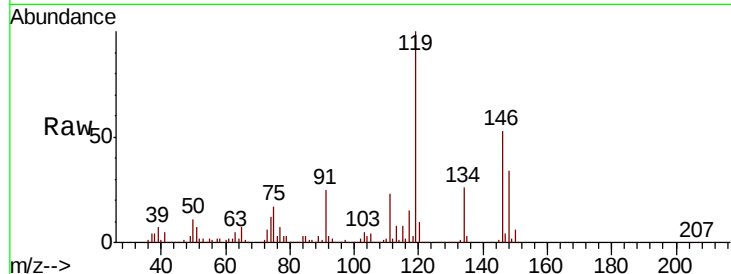
#87
1,3-Dichlorobenzene
Concen: 52.074 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.9	68.8
148	63.2	31.8	95.4

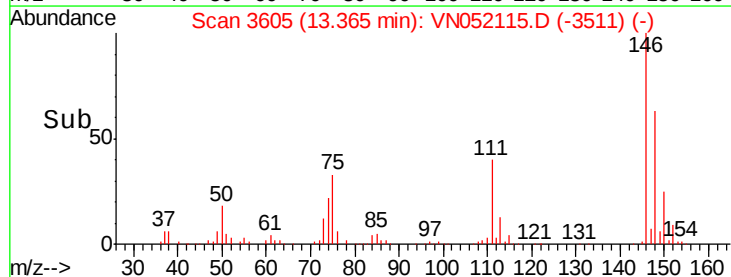
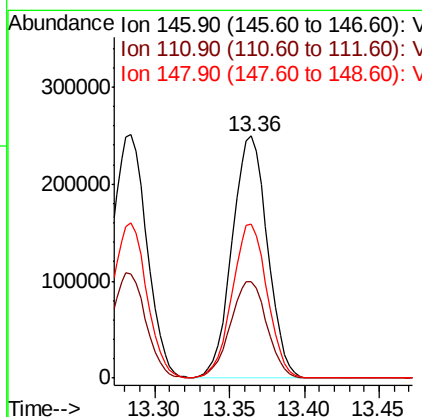
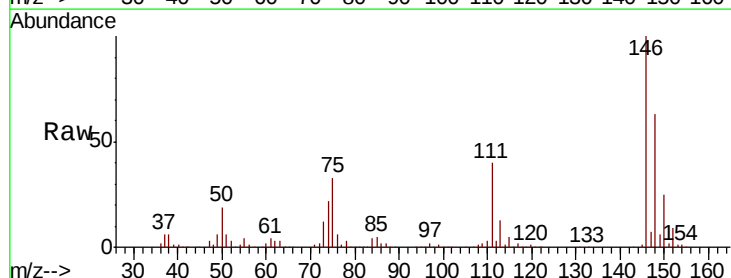
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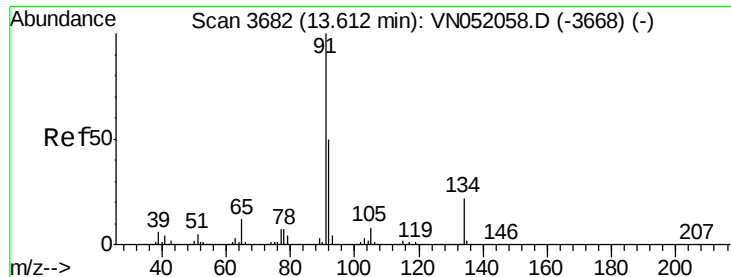
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#88
1,4-Dichlorobenzene
Concen: 51.623 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.9	65.8
148	63.2	32.6	98.0





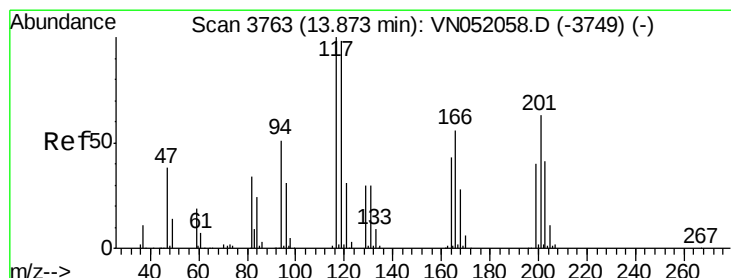
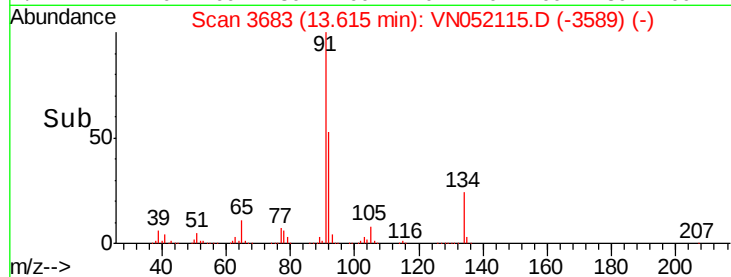
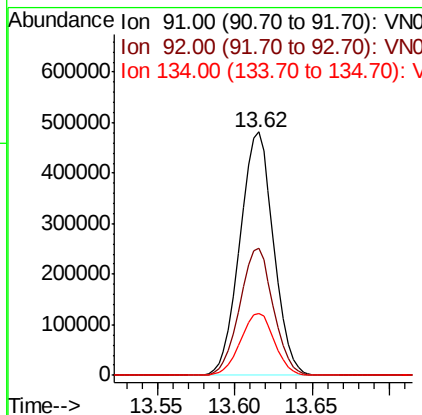
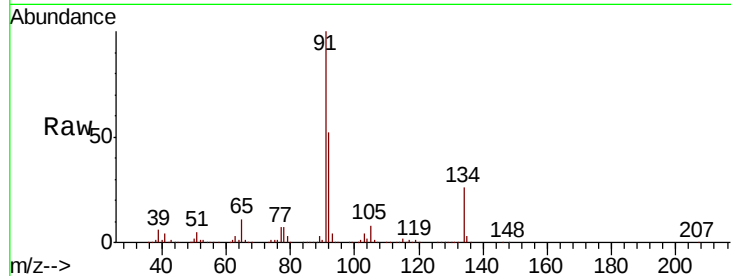
#89
n-Butylbenzene
Concen: 46.058 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.3	75.8
134	25.7	11.2	33.5

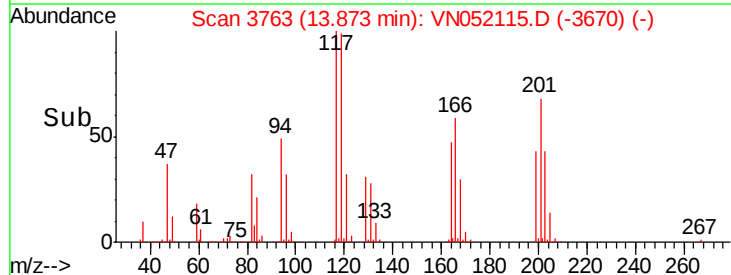
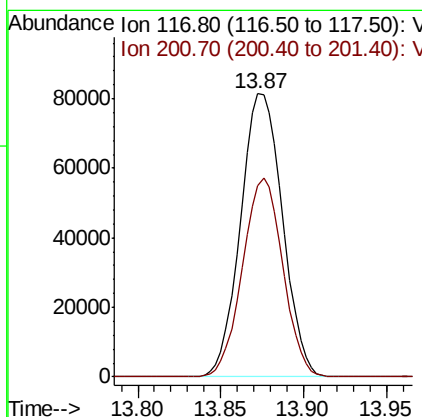
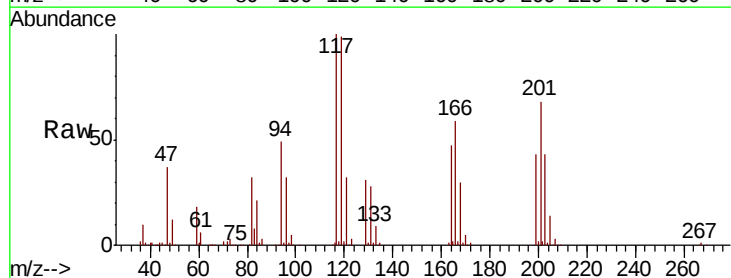
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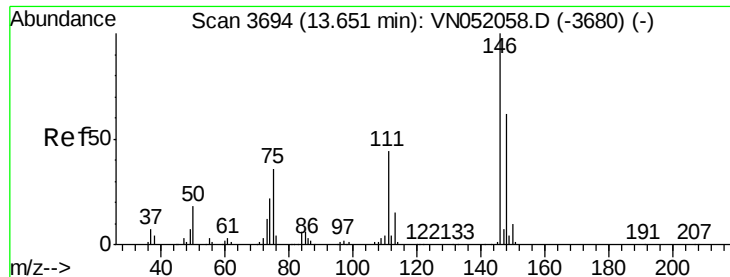
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#90
Hexachloroethane
Concen: 50.534 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.5	31.1	93.5





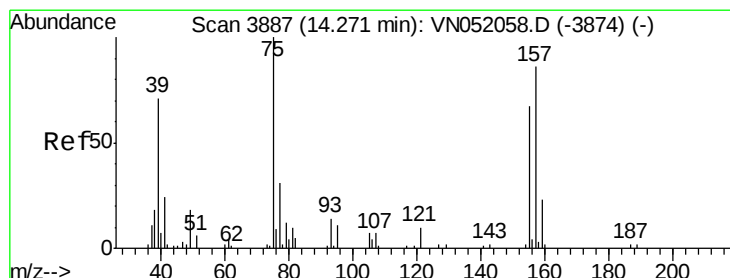
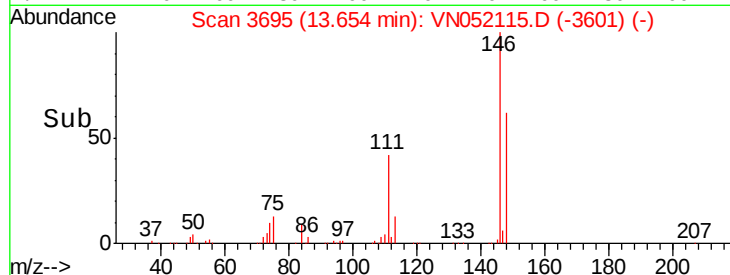
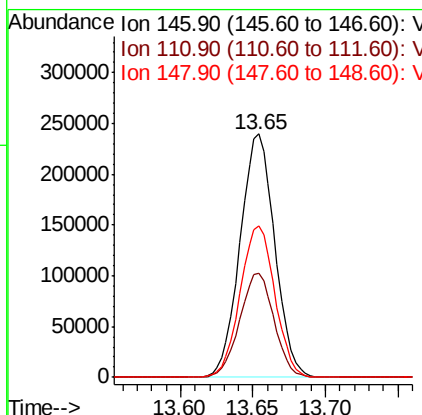
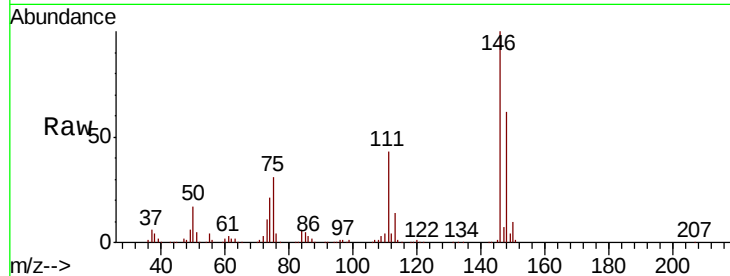
#91
 1,2-Dichlorobenzene
 Concen: 53.355 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.5	67.5
148	62.4	30.9	92.8

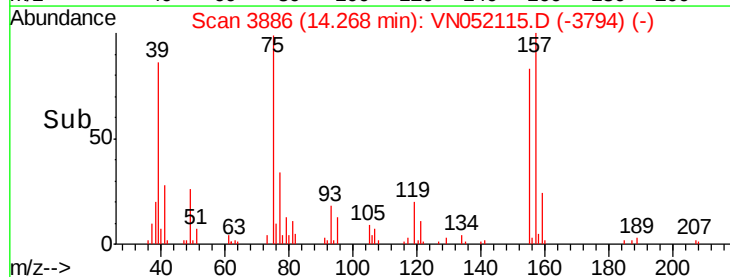
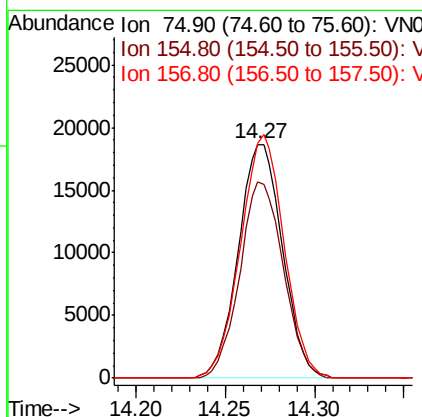
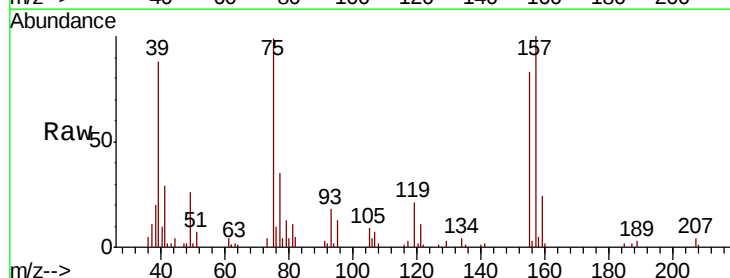
Manual Integrations
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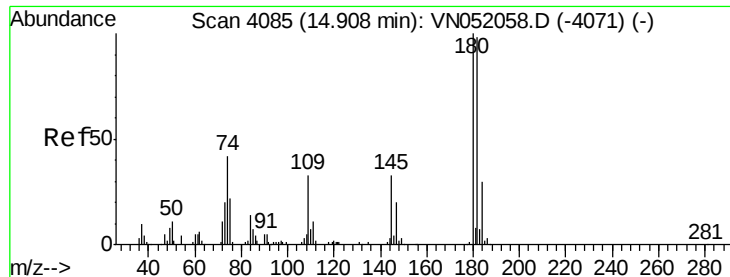
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 11/5/2018 11:52:34 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.867 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	34.0	102.0
157	102.8	42.1	126.4





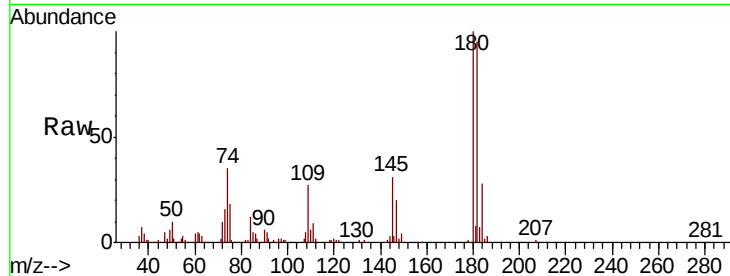
#93
 1,2,4-Trichlorobenzene
 Concen: 57.922 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161070		
182	95.1	49.1	147.4	
145	31.4	16.4	49.2	

Manual Integrations
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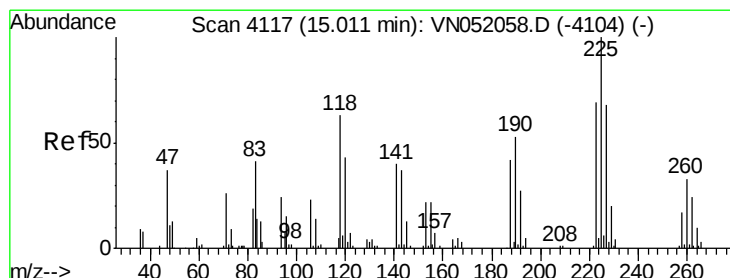
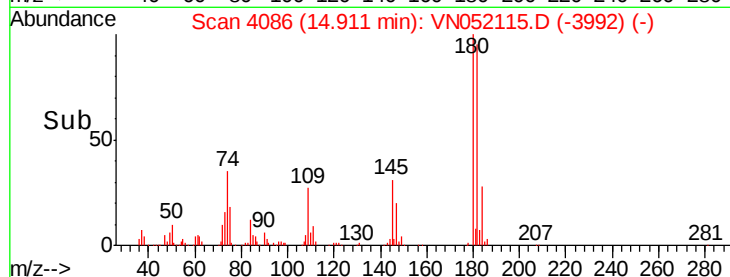
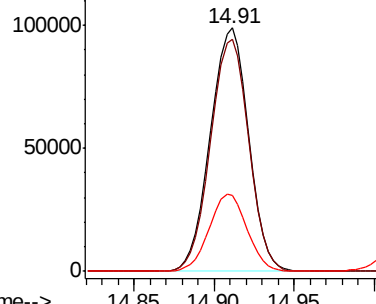


Abundance

Ion 179.80 (179.50 to 180.50): V

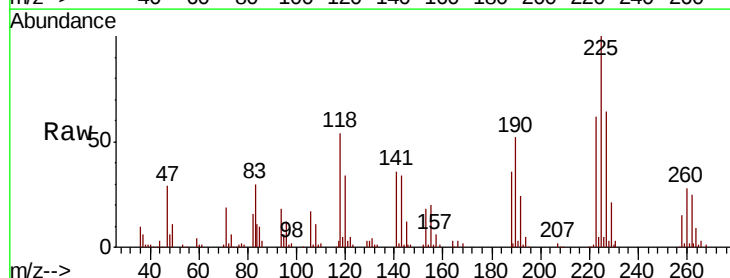
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 51.341 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79907		
223	62.4	33.1	99.3	
227	63.9	32.6	97.8	

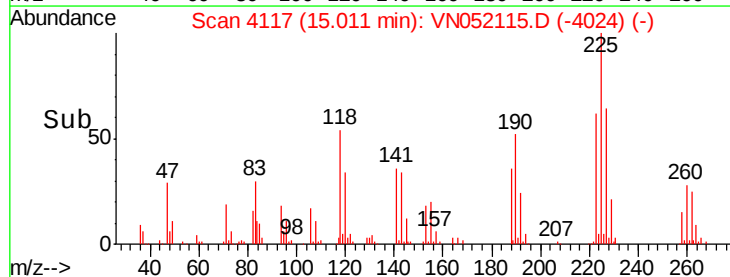
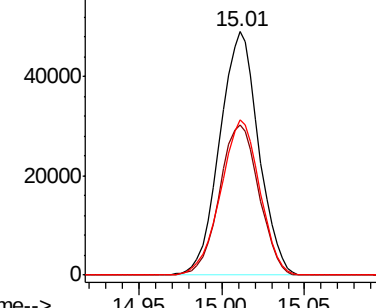


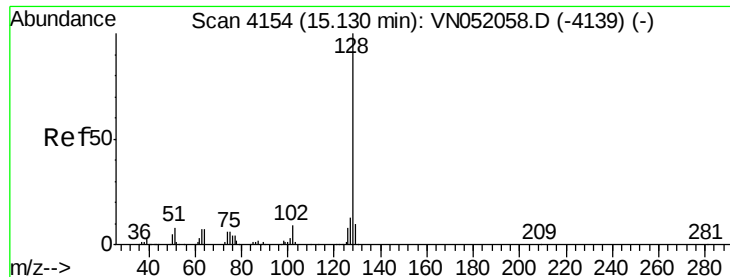
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.926 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

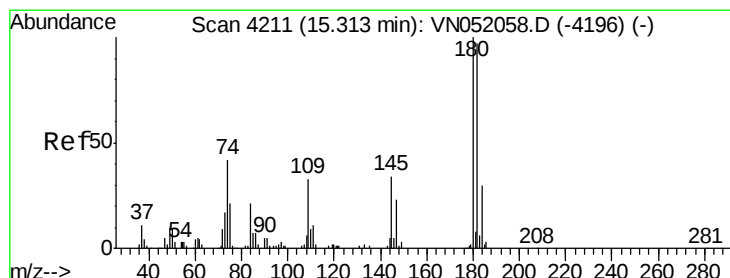
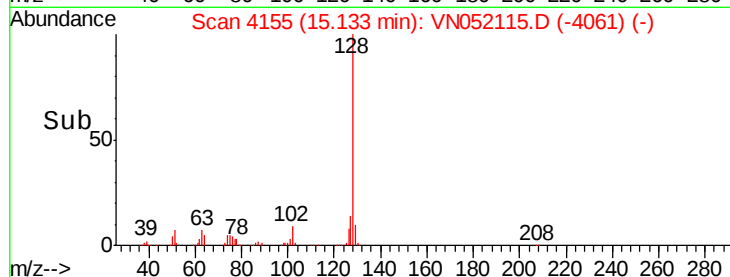
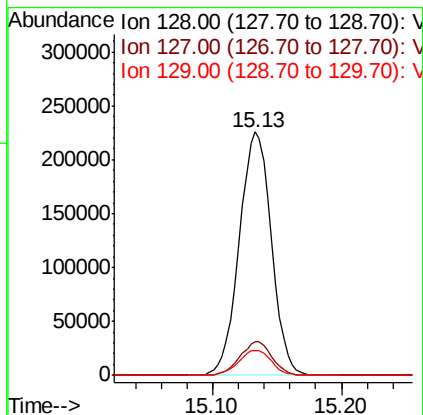
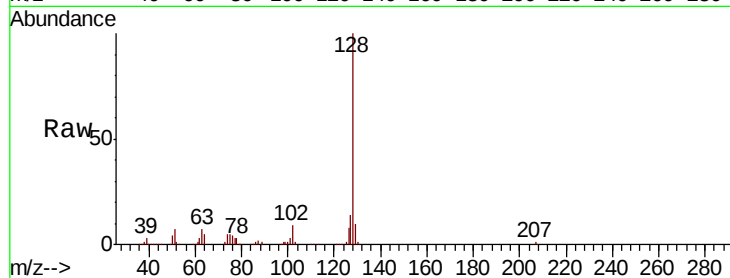
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	390077
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.5	15.7
129	10.6	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 57.597 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion:	180	Resp:	138215
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.2	141.6
145	32.7	16.6	49.7

