

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052140.D
 Acq On : 2 Nov 2018 20:12
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 11:53:28 AM

Quant Time: Nov 02 23:58:50 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	287344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	530544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	197968	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
35) Dibromofluoromethane	7.60	113	168610	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.09	98	645483	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	226312	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	168467	48.234	ug/l	97
3) Chloromethane	2.06	50	191968	43.610	ug/l	99
4) Vinyl Chloride	2.19	62	203766	43.008	ug/l	97
5) Bromomethane	2.57	94	125864	35.414	ug/l	97
6) Chloroethane	2.71	64	129477	42.326	ug/l	97
7) Trichlorofluoromethane	3.02	101	276636	51.127	ug/l	99
8) Diethyl Ether	3.41	74	97007	48.062	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153322	48.032	ug/l	95
10) Methyl Iodide	3.96	142	203500	48.647	ug/l	99
11) Tert butyl alcohol	4.79	59	59610	258.161	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	144994	48.100	ug/l	93
13) Acrolein	3.61	56	33190	153.208	ug/l	97
14) Allyl chloride	4.33	41	264614	43.864	ug/l	98
15) Acrylonitrile	4.99	53	333886	252.938	ug/l	99
16) Acetone	3.82	43	233849	237.593	ug/l	99
17) Carbon Disulfide	4.06	76	395444	41.632	ug/l	99
18) Methyl Acetate	4.33	43	158438	50.567	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	467529	47.219	ug/l	98
20) Methylene Chloride	4.56	84	176789	47.139	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	161676	47.037	ug/l	94
22) Diisopropyl ether	5.96	45	585498	44.903	ug/l	99
23) Vinyl Acetate	5.90	43	2124164	235.116	ug/l	98
24) 1,1-Dichloroethane	5.85	63	323819	44.413	ug/l	99
25) 2-Butanone	6.84	43	397322	257.375	ug/l	96
26) 2,2-Dichloropropane	6.83	77	214117	36.977	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	189704	46.215	ug/l	94
28) Bromochloromethane	7.20	49	151956	42.054	ug/l	87
29) Tetrahydrofuran	7.22	42	267514	260.108	ug/l	96
30) Chloroform	7.38	83	329533	45.279	ug/l	94
31) Cyclohexane	7.66	56	285033	41.692	ug/l	94
32) 1,1,1-Trichloroethane	7.58	97	281917	48.165	ug/l	97
36) 1,1-Dichloropropene	7.80	75	244274	45.281	ug/l	97
37) Ethyl Acetate	6.93	43	181659	50.310	ug/l	98
38) Carbon Tetrachloride	7.78	117	240484	51.701	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	283587	44.298	ug/l	94
40) Benzene	8.05	78	739624	47.400	ug/l	97
41) Methacrylonitrile	7.18	41	98655	52.938	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	252097	43.780	ug/l	97
43) Isopropyl Acetate	8.17	43	341921	53.241	ug/l #	91
44) Trichloroethene	8.84	130	179257	51.369	ug/l	93
45) 1,2-Dichloropropane	9.12	63	199041	44.779	ug/l	97
46) Dibromomethane	9.21	93	125577	50.549	ug/l	93
47) Bromodichloromethane	9.41	83	256487	49.502	ug/l	97
48) Methyl methacrylate	9.20	41	161408	49.572	ug/l	98
49) 1,4-Dioxane	9.20	88	30752	1123.198	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	940488	269.432	ug/l	100
52) Toluene	10.16	92	452682	48.059	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	250904	45.803	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	285441	46.920	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	174247	51.939	ug/l	96
56) Ethyl methacrylate	10.43	69	239863	49.983	ug/l	98
57) 1,3-Dichloropropane	10.71	76	293150	47.490	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	636343	249.289	ug/l	96
59) 2-Hexanone	10.75	43	658278	264.635	ug/l	99
60) Dibromochloromethane	10.90	129	183210	55.472	ug/l	97
61) 1,2-Dibromoethane	11.01	107	178542	53.535	ug/l	99
64) Tetrachloroethene	10.63	164	154408	52.634	ug/l	98
65) Chlorobenzene	11.44	112	512515	50.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	179343	56.000	ug/l	99
67) Ethyl Benzene	11.51	91	884503	48.630	ug/l	99
68) m/p-Xylenes	11.62	106	677524	104.071	ug/l	95
69) o-Xylene	11.95	106	327967	50.911	ug/l	98
70) Styrene	11.97	104	544168	52.206	ug/l	97
71) Bromoform	12.13	173	113185	54.778	ug/l #	99
73) Isopropylbenzene	12.25	105	870406	46.216	ug/l	98
74) N-amyl acetate	12.07	43	309612	47.106	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	225192	49.864	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	187887m	46.604	ug/l	
77) Bromobenzene	12.53	156	205882	52.248	ug/l	83
78) n-propylbenzene	12.59	91	1019698	44.683	ug/l	97
79) 2-Chlorotoluene	12.68	91	592354	44.527	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	702590	45.843	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	57455	47.303	ug/l	98
82) 4-Chlorotoluene	12.77	91	613961	45.258	ug/l	96
83) tert-Butylbenzene	12.99	119	616516	47.887	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	712817	46.727	ug/l	98
85) sec-Butylbenzene	13.17	105	838035	45.568	ug/l	96
86) p-Isopropyltoluene	13.29	119	710395	47.430	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	364456	50.716	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	359979	49.980	ug/l	97
89) n-Butylbenzene	13.62	91	615678	43.102	ug/l	98
90) Hexachloroethane	13.88	117	123911	48.274	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	356052	52.698	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34253	52.573	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	150553	59.841	ug/l	99
94) Hexachlorobutadiene	15.01	225	69115	49.083	ug/l	99
95) Naphthalene	15.13	128	408411	64.720	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	137369	63.272	ug/l	97

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

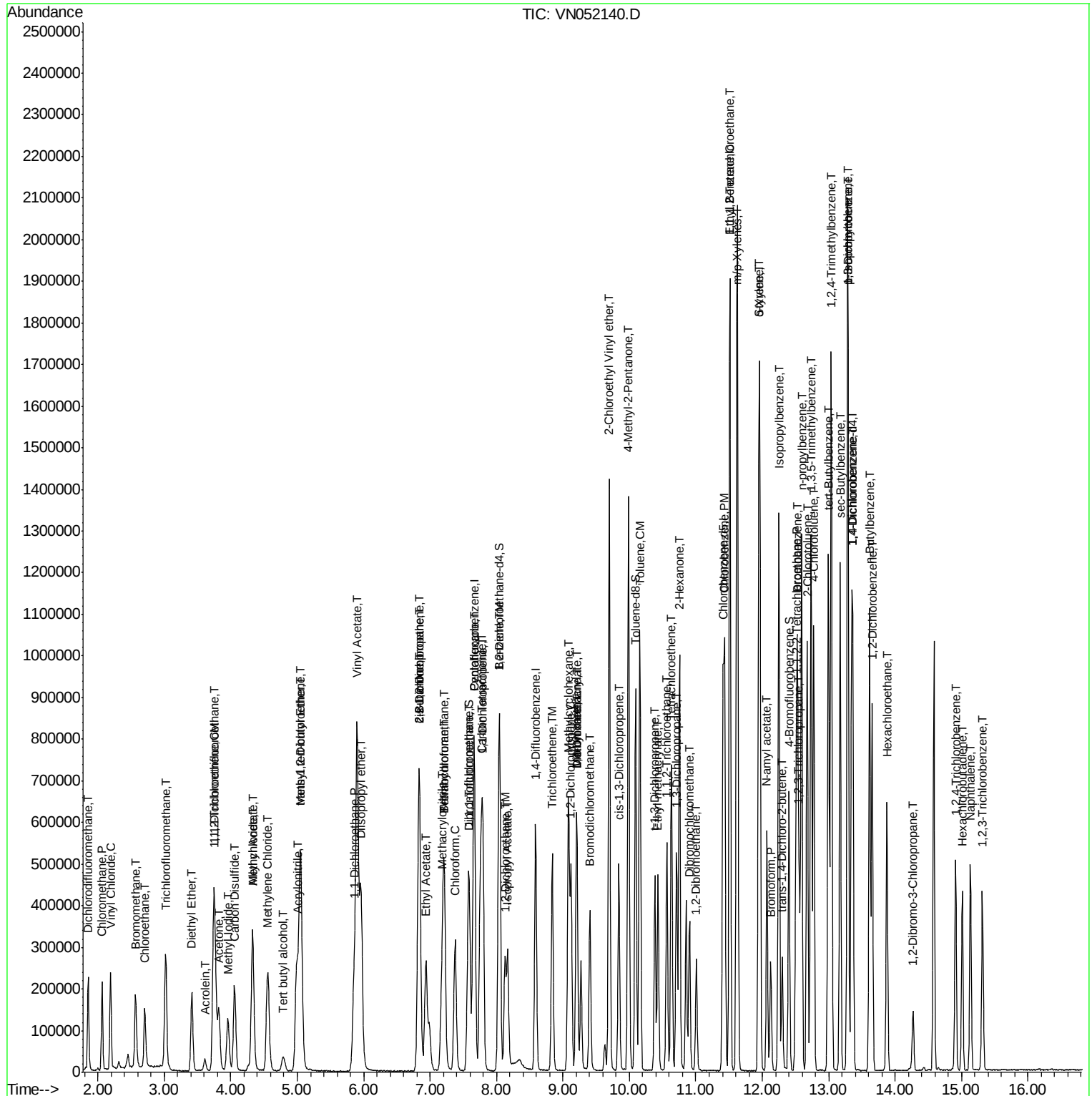
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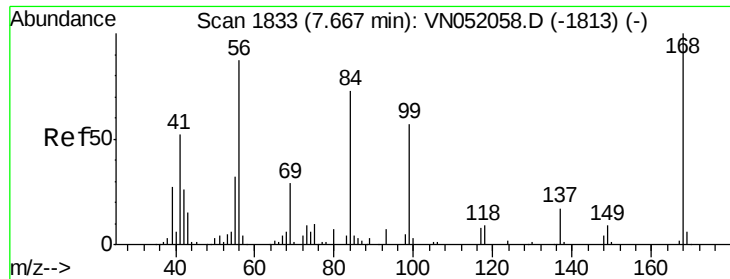
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 287344

Ion Ratio Lower Upper

168 100

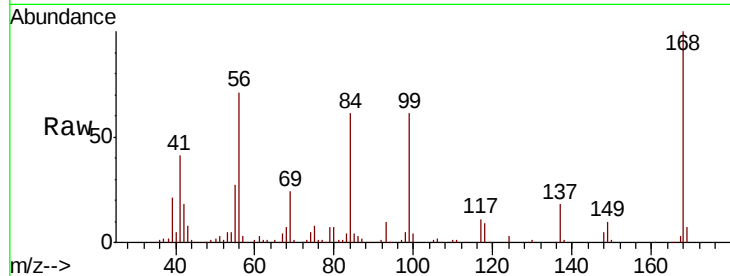
99 61.1 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

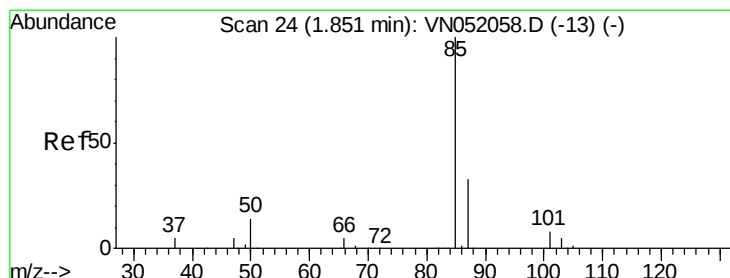
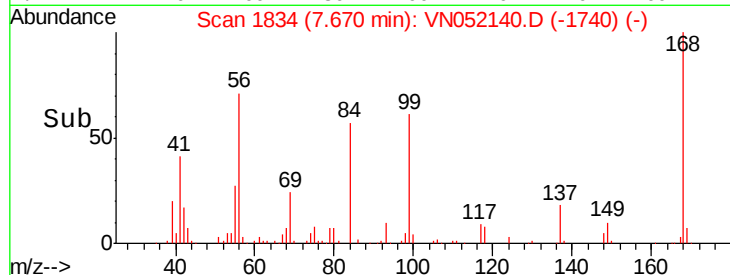
7.67

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 48.234 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052140.D

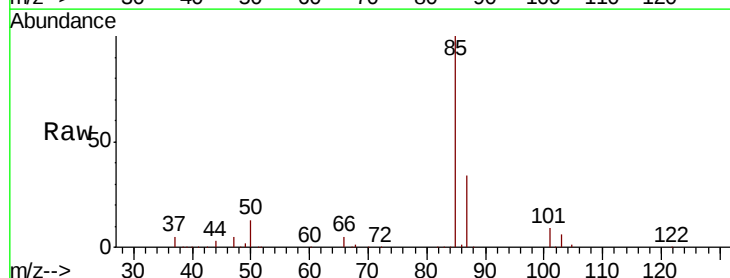
Acq: 2 Nov 2018 20:12

Tgt Ion: 85 Resp: 168467

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

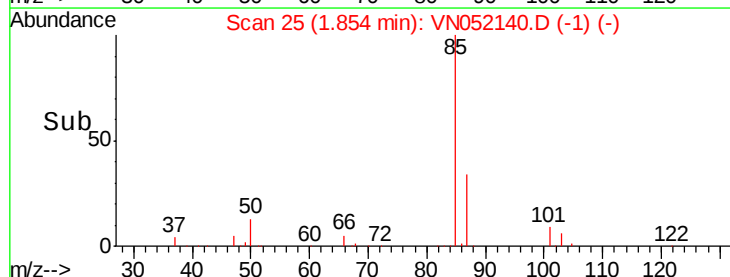
1.85

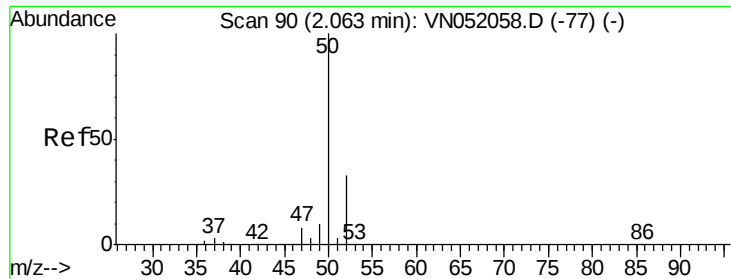
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 43.610 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 191968

Ion Ratio Lower Upper

50 100

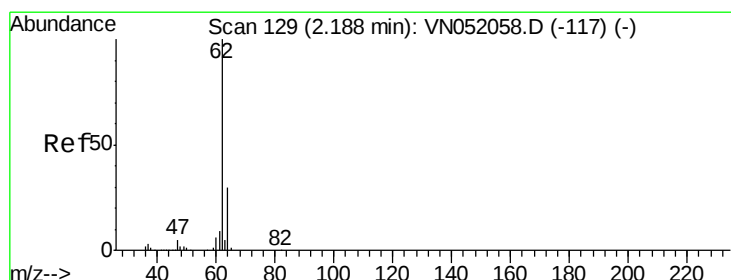
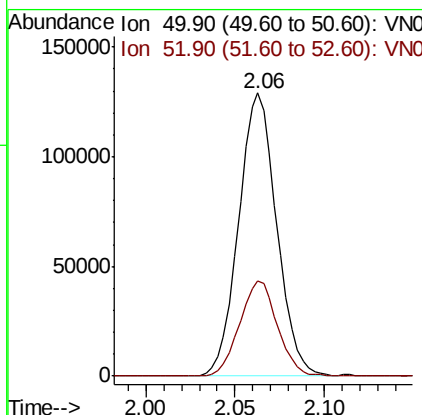
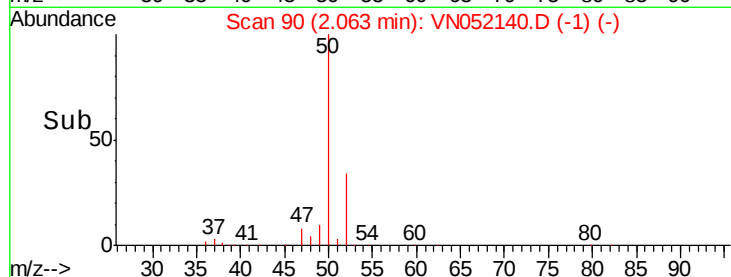
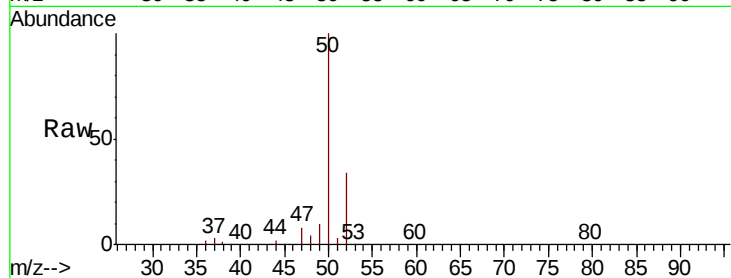
52 33.7 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.008 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052140.D

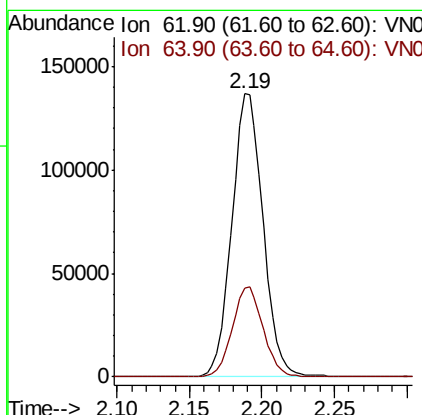
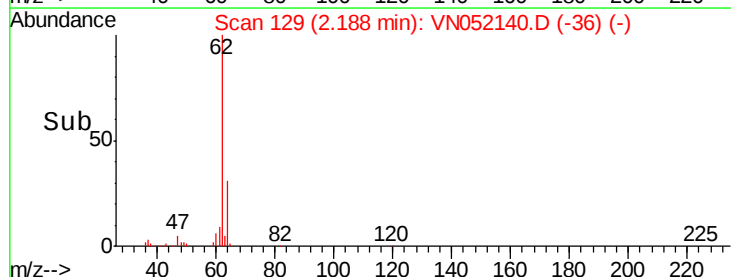
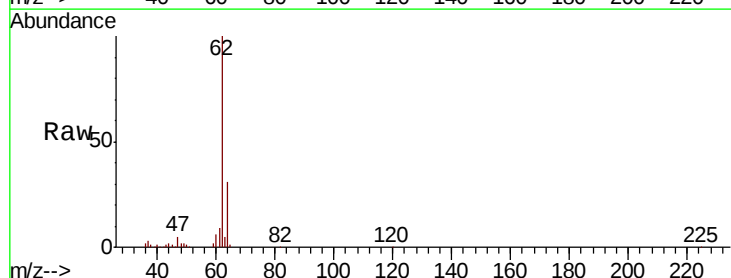
Acq: 2 Nov 2018 20:12

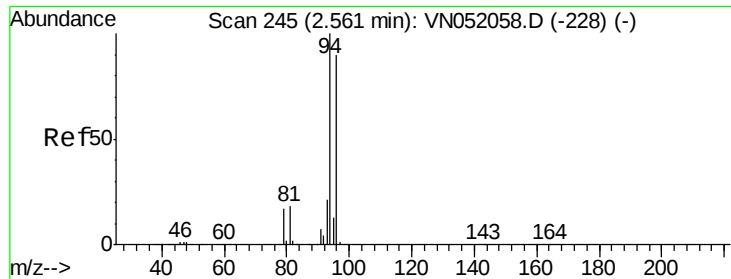
Tgt Ion: 62 Resp: 203766

Ion Ratio Lower Upper

62 100

64 31.5 23.7 35.5





#5

Bromomethane

Concen: 35.414 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 125864

Ion Ratio Lower Upper

94 100

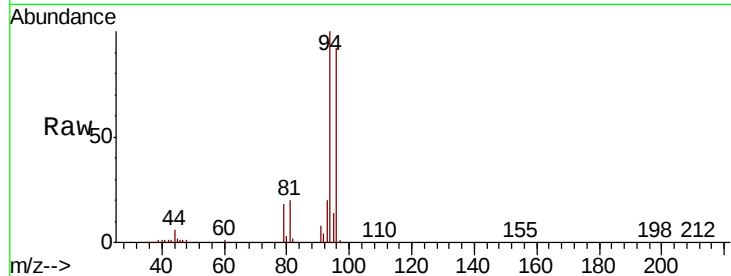
96 92.4 71.8 107.6

Manual Integrations

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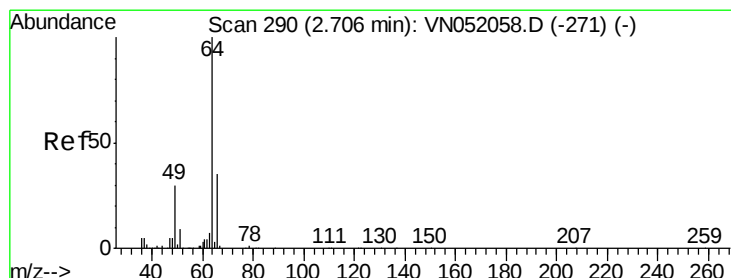
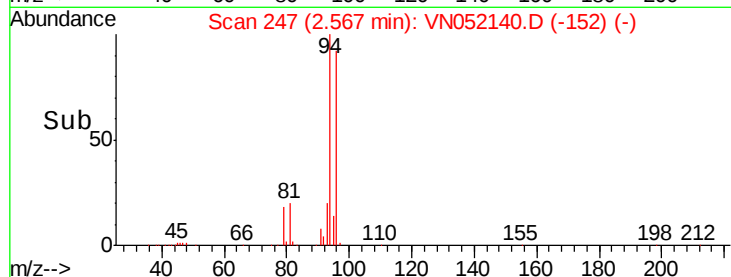
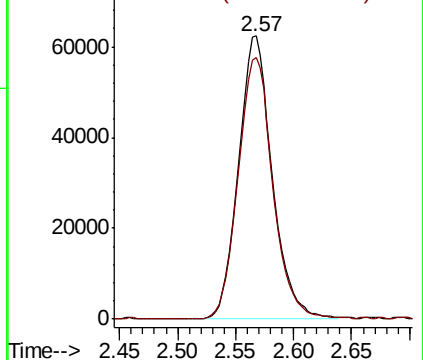
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 42.326 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052140.D

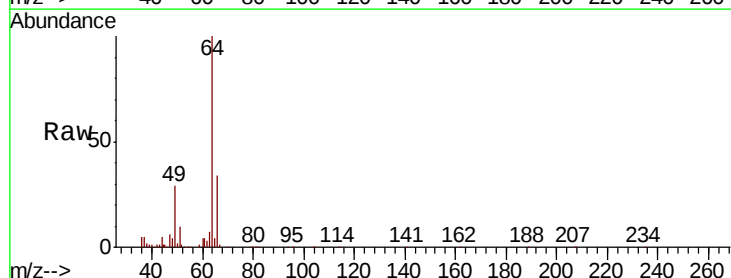
Acq: 2 Nov 2018 20:12

Tgt Ion: 64 Resp: 129477

Ion Ratio Lower Upper

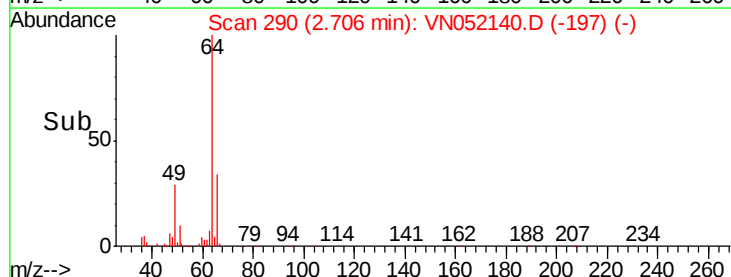
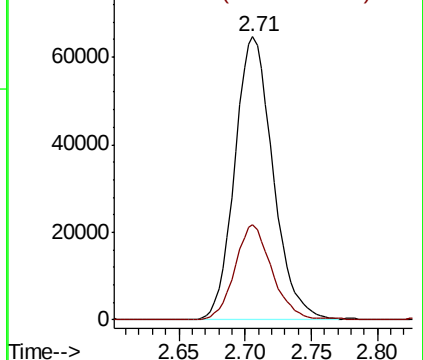
64 100

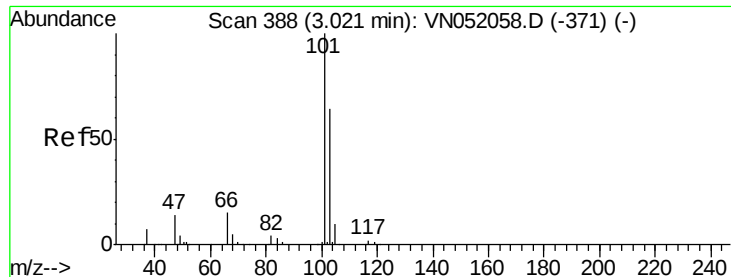
66 33.3 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

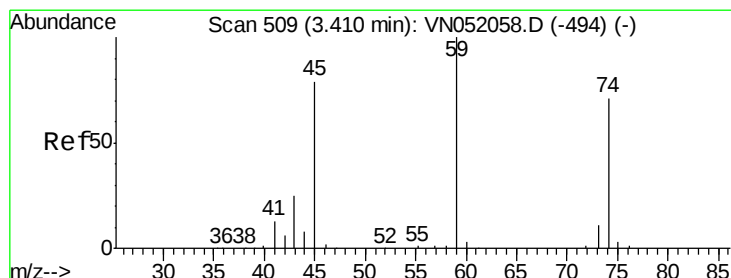
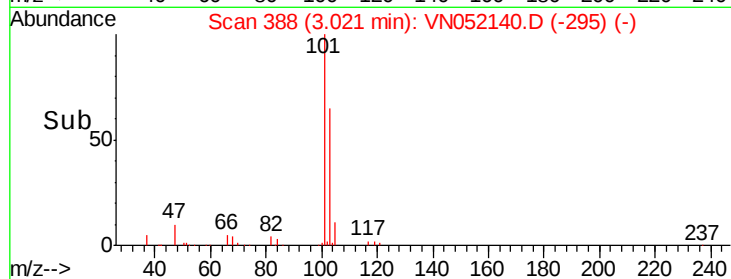
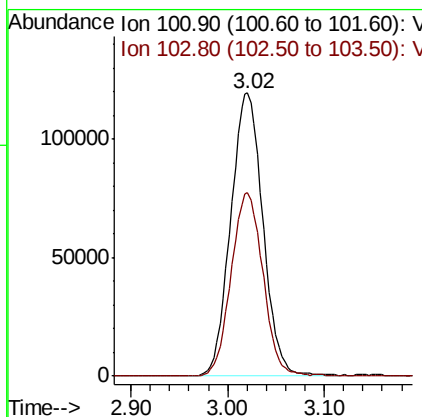
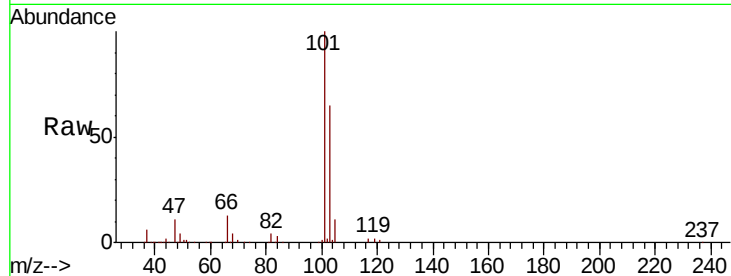
Trichlorofluoromethane
 Concen: 51.127 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.4

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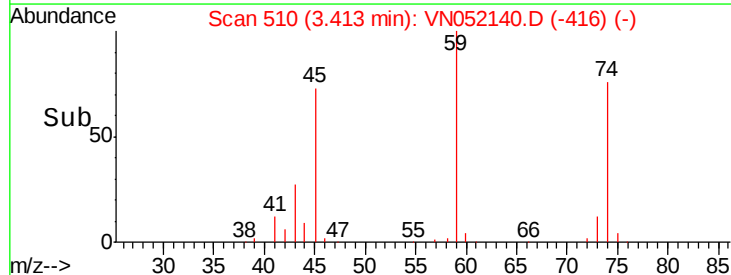
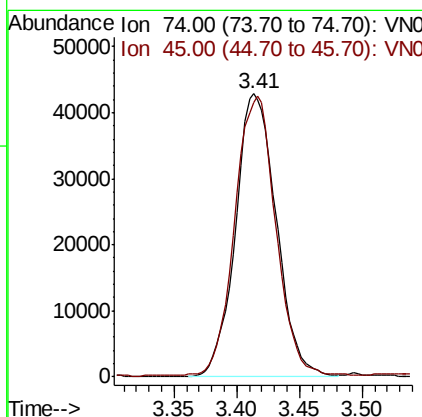
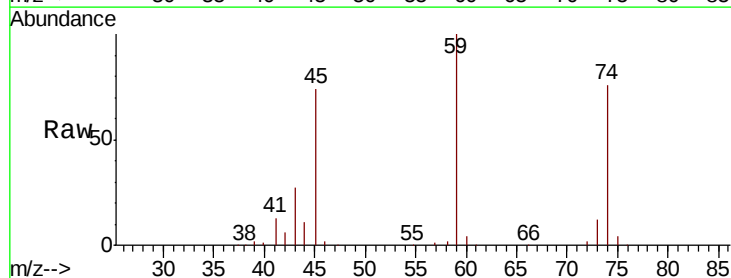
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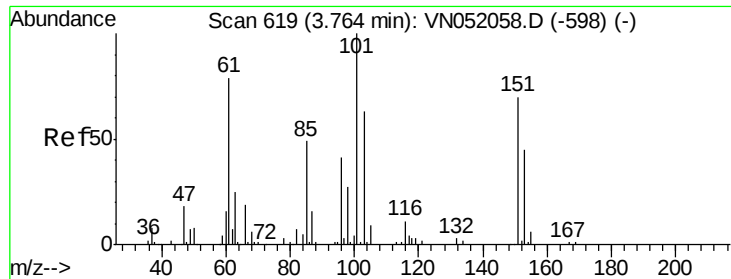


#8

Diethyl Ether
 Concen: 48.062 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	55.6	166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.032 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

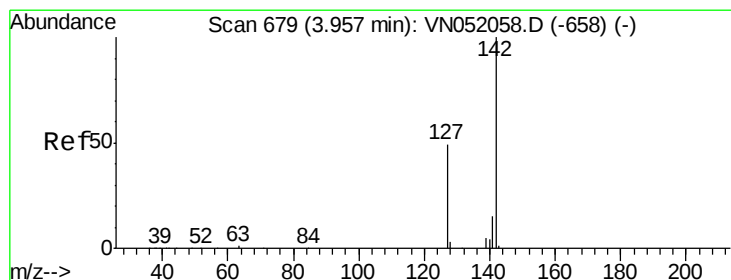
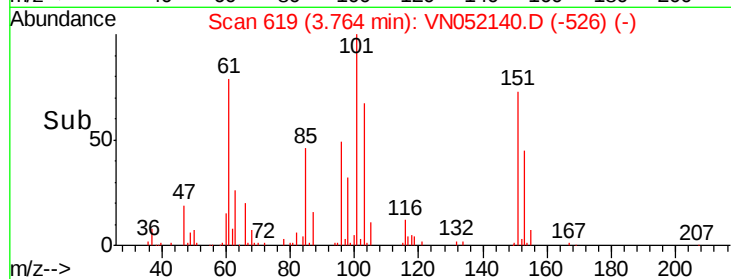
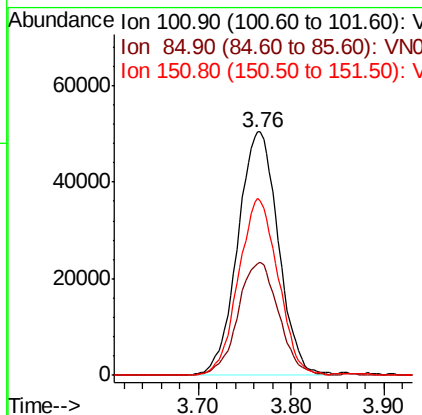
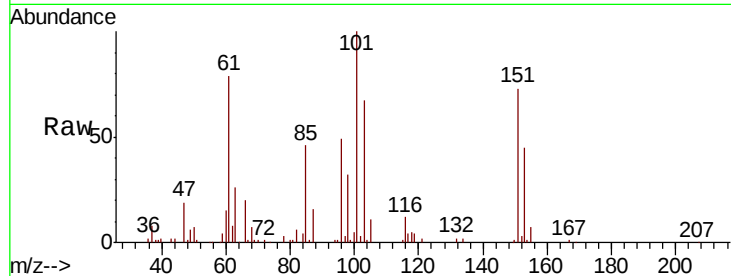
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	153322
Ion Ratio	Lower	Upper	
101	100		
85	46.6	38.6	58.0
151	70.6	52.6	78.8

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#10

Methyl Iodide

Concen: 48.647 ug/l

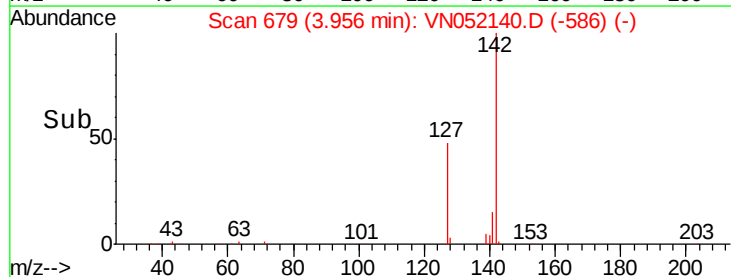
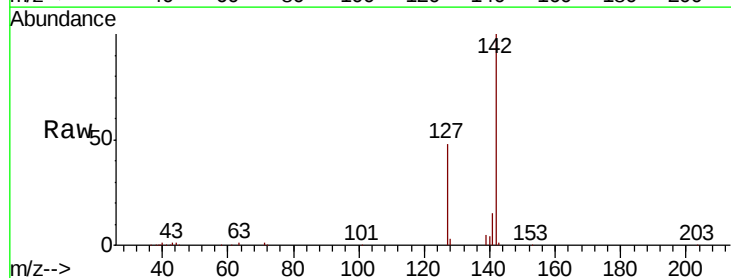
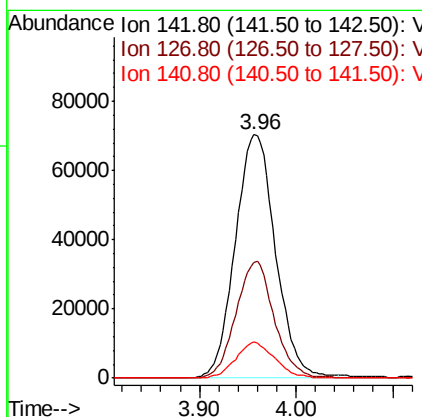
RT: 3.96 min Scan# 679

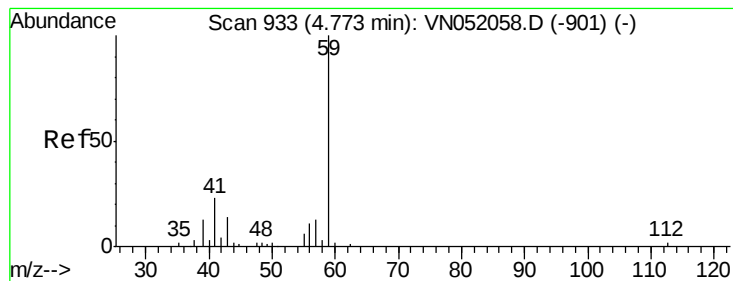
Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	142	Resp:	203500
Ion Ratio	Lower	Upper	
142	100		
127	45.7	37.3	55.9
141	14.3	11.4	17.2





#11

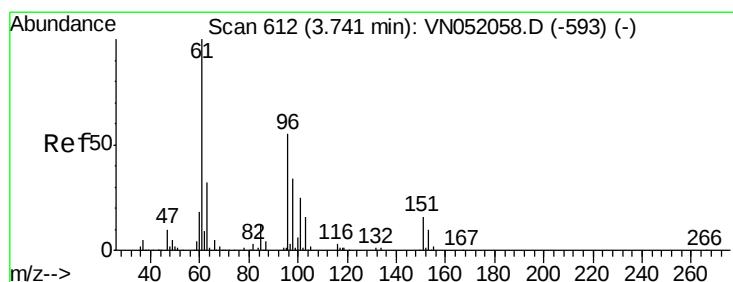
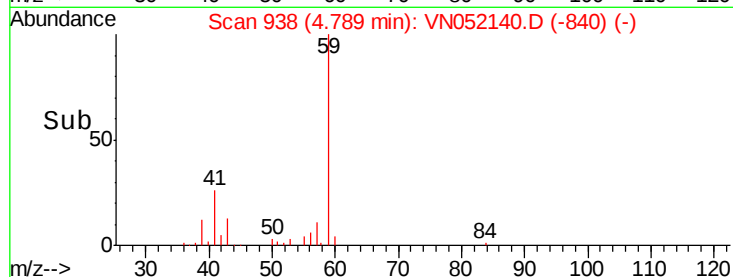
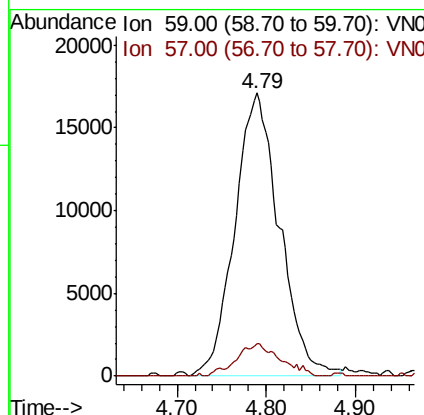
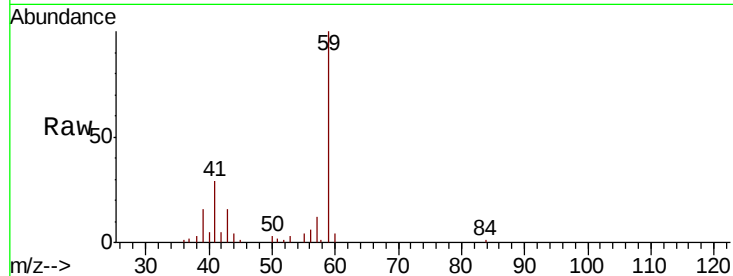
Tert butyl alcohol
 Concen: 258.161 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.02 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	7.0	10.6#

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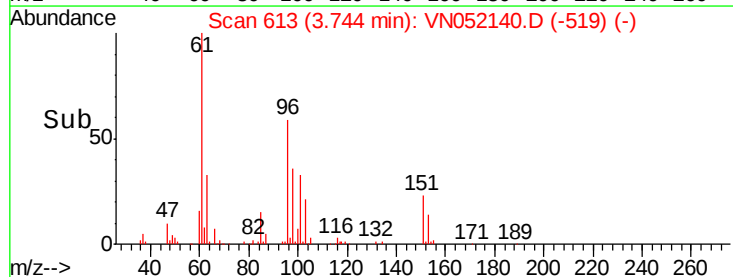
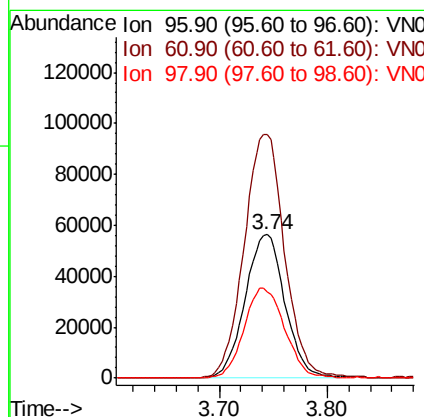
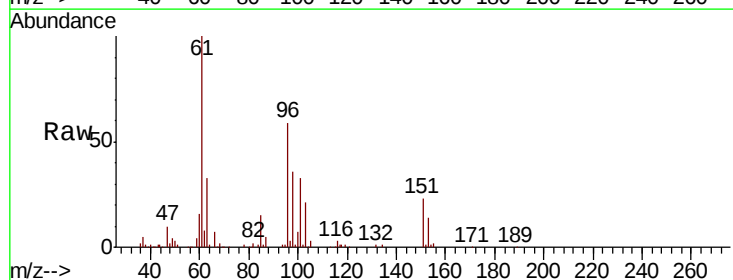
MMDadoda
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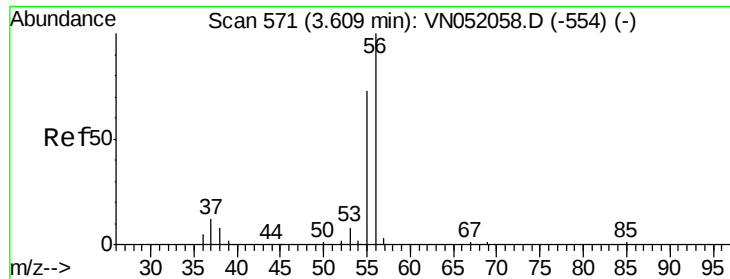


#12

1,1-Dichloroethene
 Concen: 48.100 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.7	145.7	218.5
98	60.6	49.8	74.8





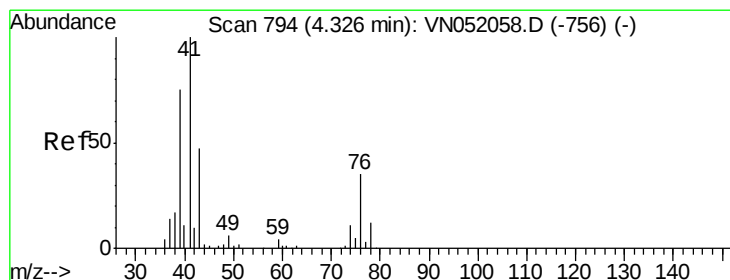
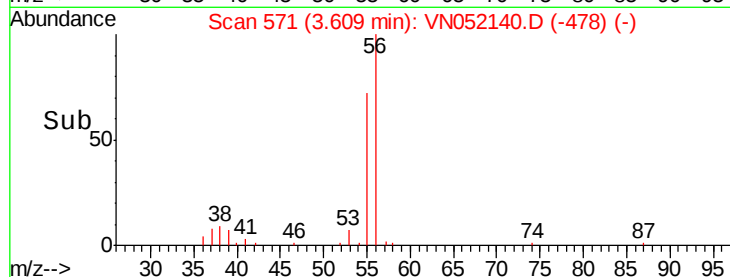
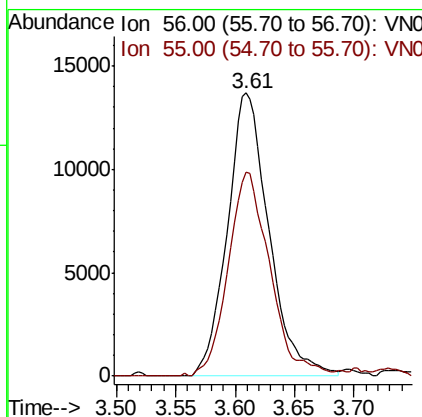
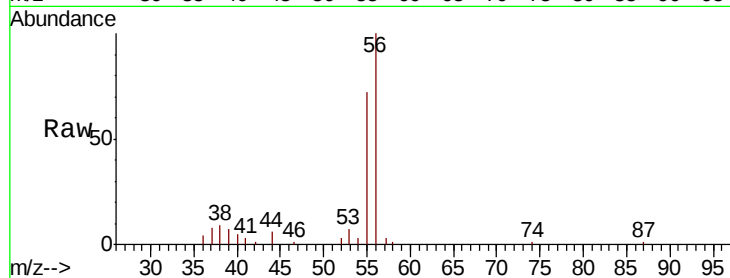
#13
 Acrolein
 Concen: 153.208 ug/l
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	55	Resp	Lower	Upper
33190	100	72.2		59.9	89.9

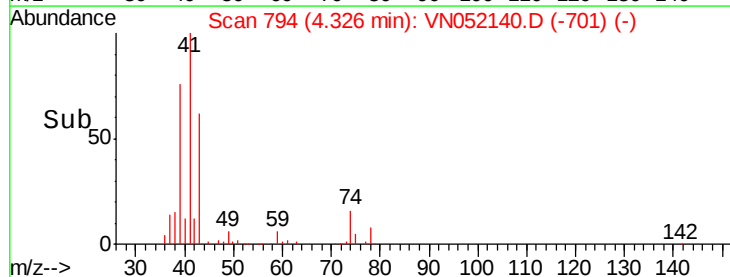
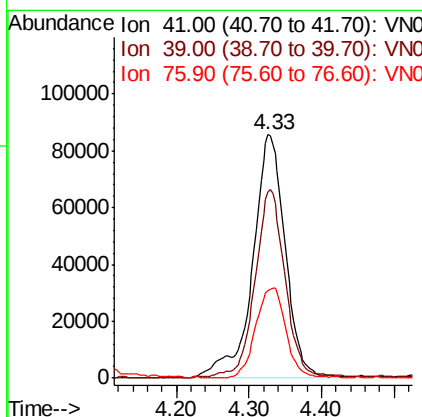
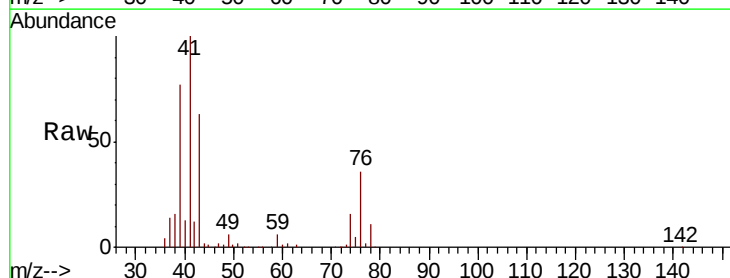
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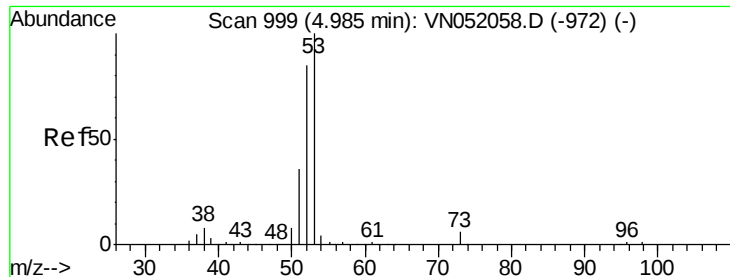
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 11/5/2018 11:53:28 AM



#14
 Allyl chloride
 Concen: 43.864 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	41	39	76	Resp	Lower	Upper
264614	100	71.8	34.6		58.1	87.1





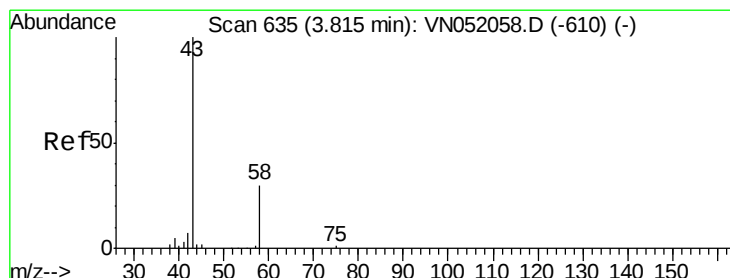
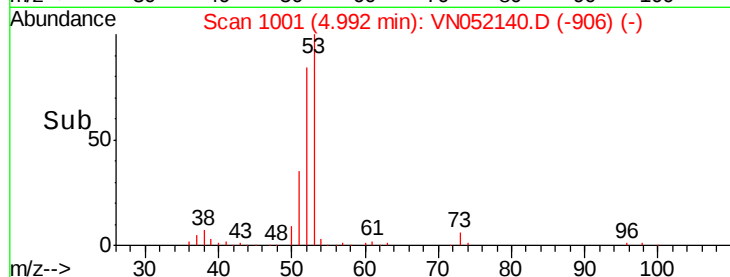
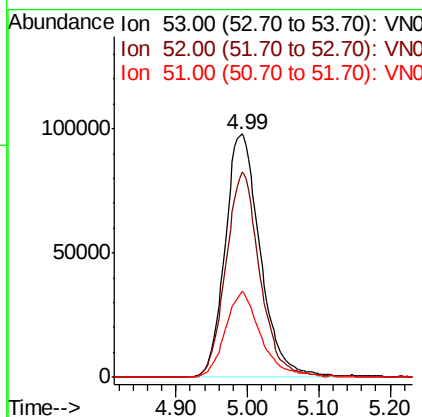
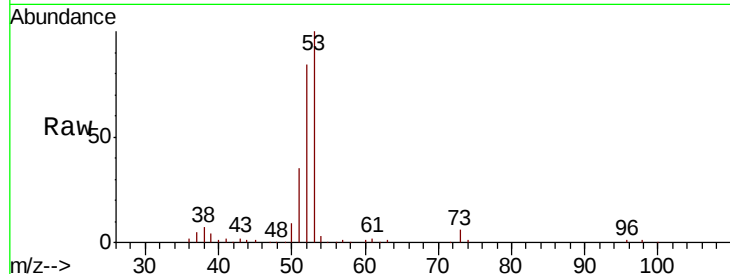
#15
 Acrylonitrile
 Concen: 252.938 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.01 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.6	100.0
51	35.4	29.0	43.6

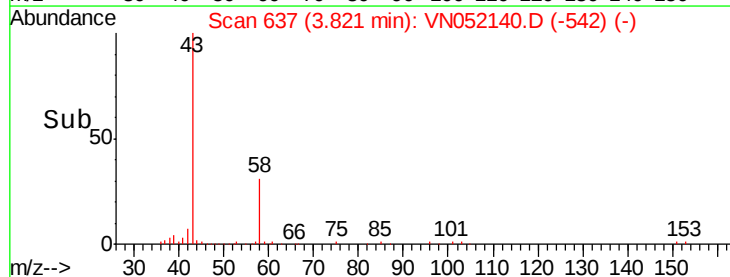
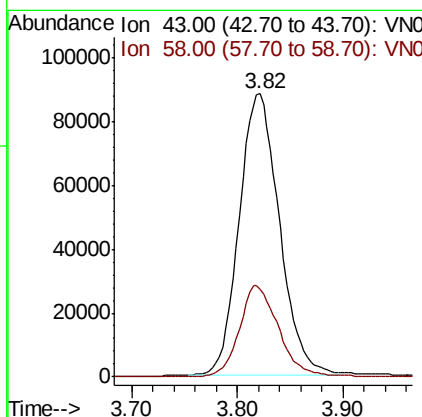
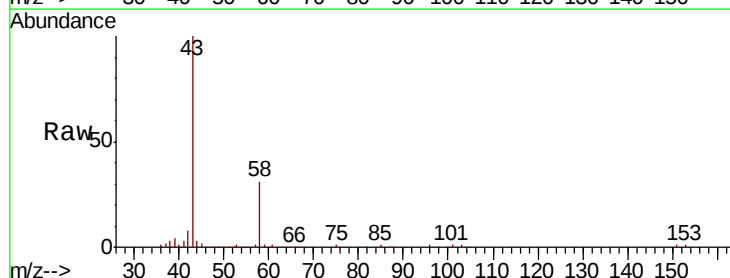
Manual Integrations
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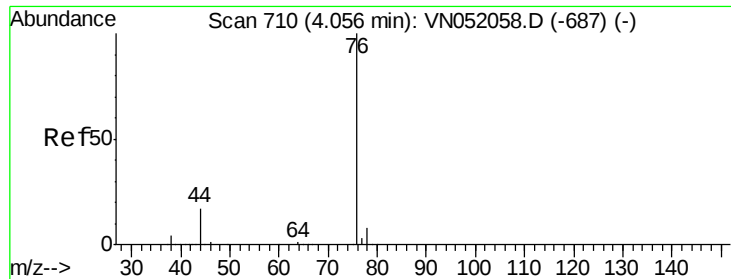
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#16
 Acetone
 Concen: 237.593 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	24.2	36.2





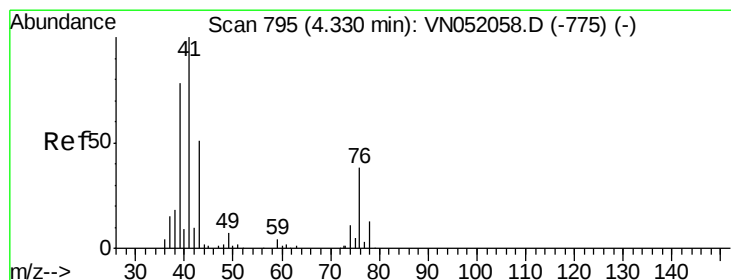
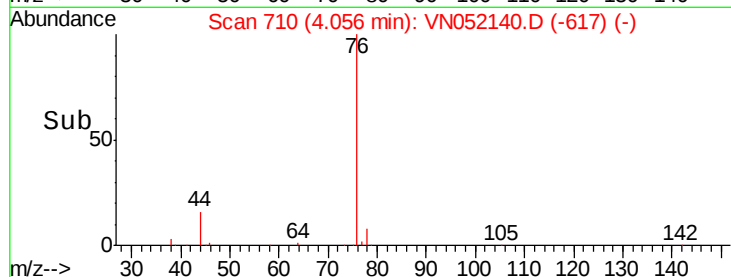
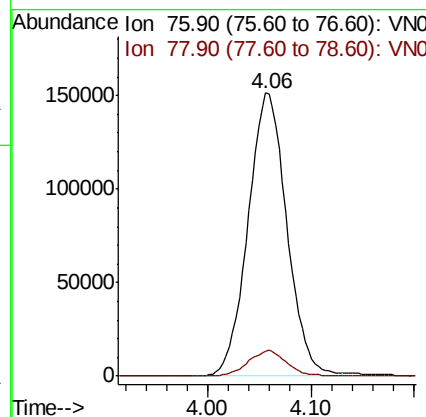
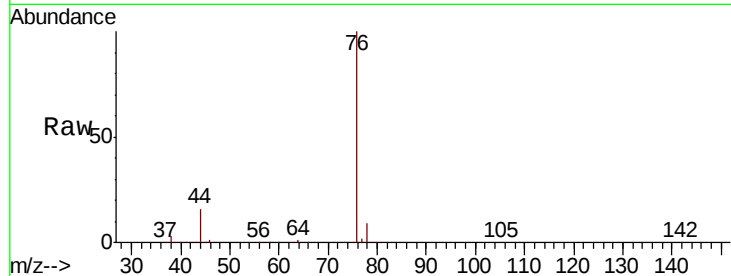
#17
Carbon Disulfide
Concen: 41.632 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	6.8	10.2

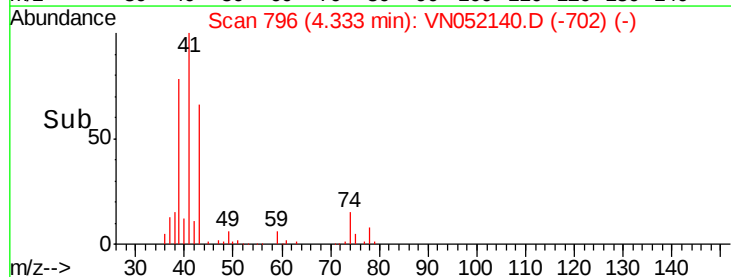
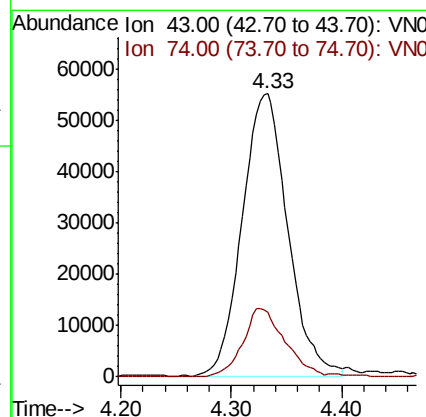
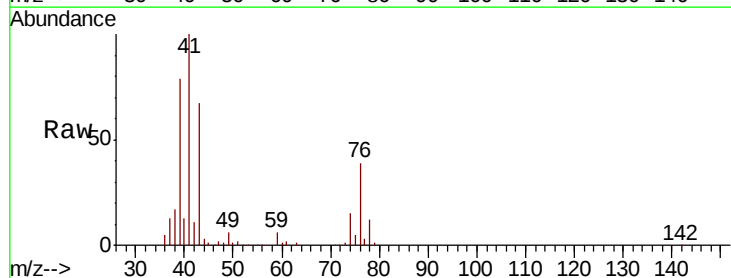
Manual Integrations
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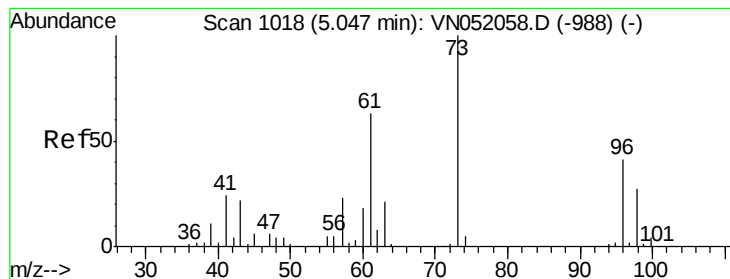
MMDadoda
11/5/2018 11:53:28 AM



#18
Methyl Acetate
Concen: 50.567 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.9	26.9





#19

Methyl tert-butyl Ether

Concen: 47.219 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 73 Resp: 467529

Ion Ratio Lower Upper

73 100

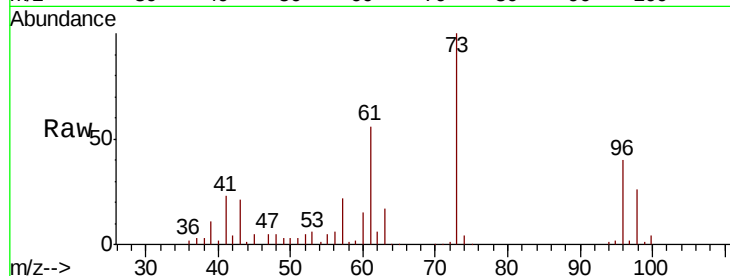
57 22.2 18.7 28.1

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VN052058.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN052058.D (-988) (-)

5.05

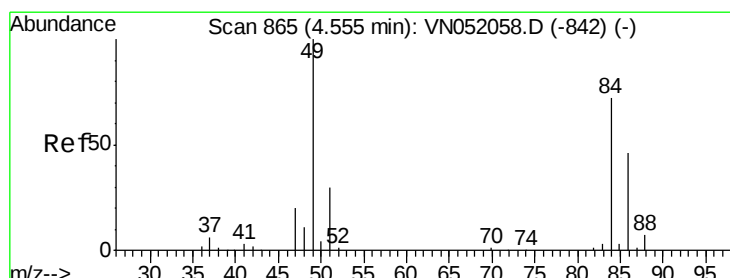
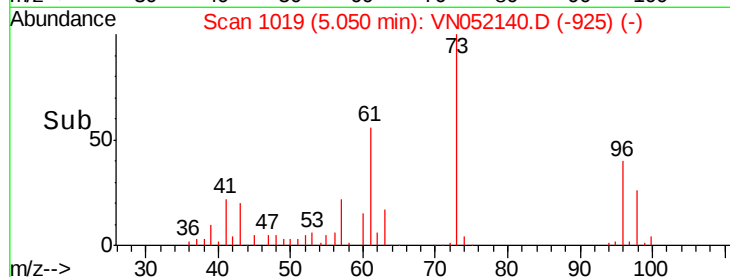
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 47.139 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion: 84 Resp: 176789

Ion Ratio Lower Upper

84 100

49 129.2 110.6 165.8

51 40.0 33.7 50.5

86 64.0 50.5 75.7

Abundance Ion 83.90 (83.60 to 84.60): VN052058.D (-842) (-)

Ion 48.90 (48.60 to 49.60): VN052058.D (-842) (-)

Ion 50.90 (50.60 to 51.60): VN052058.D (-842) (-)

Ion 85.90 (85.60 to 86.60): VN052058.D (-842) (-)

100000

80000

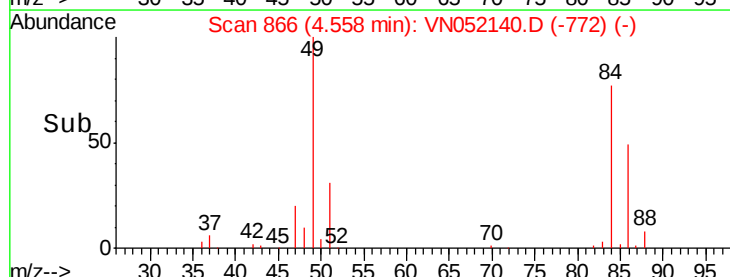
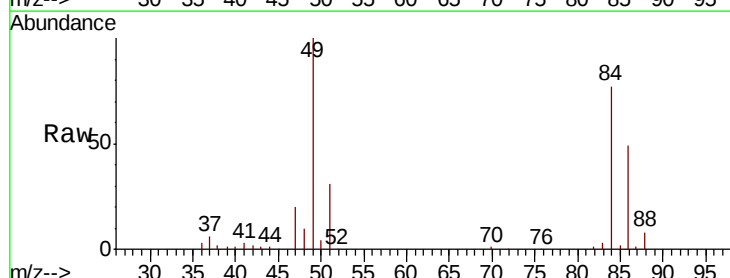
60000

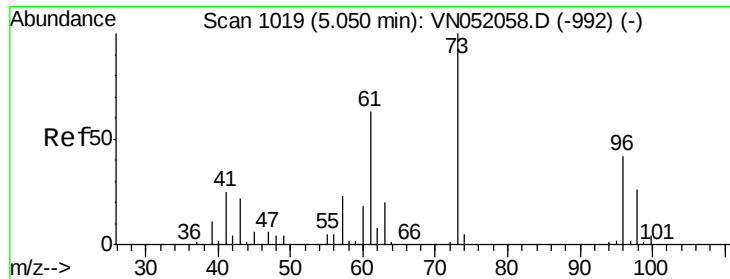
40000

20000

0

Time-->





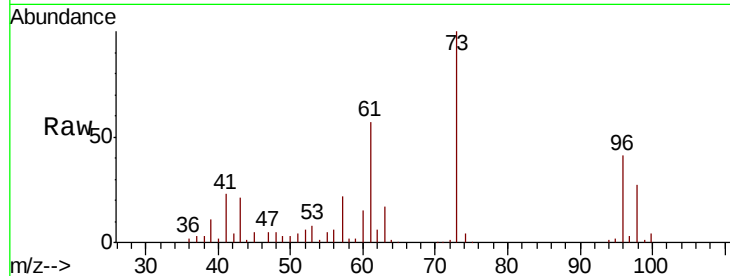
#21
trans-1,2-Dichloroethene
Concen: 47.037 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

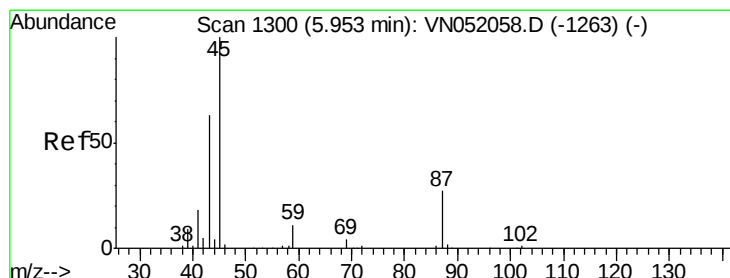
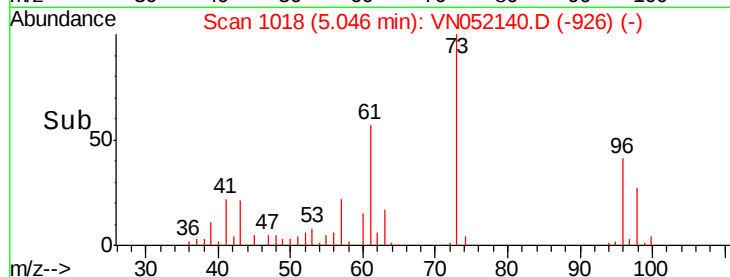
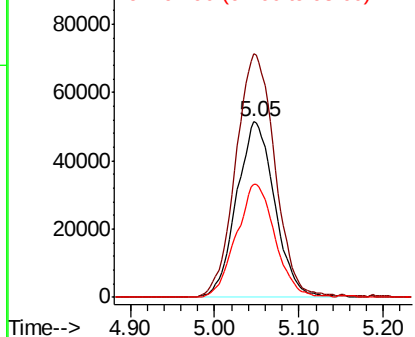
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.6	118.6	178.0
98	64.1	49.7	74.5

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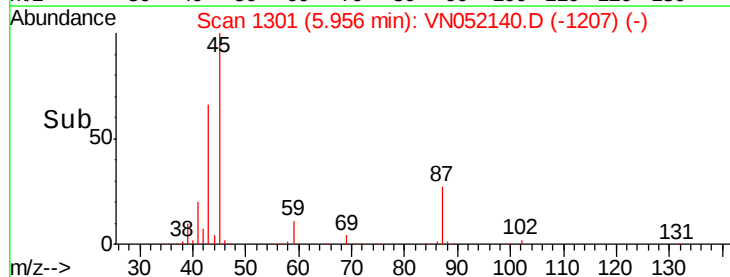
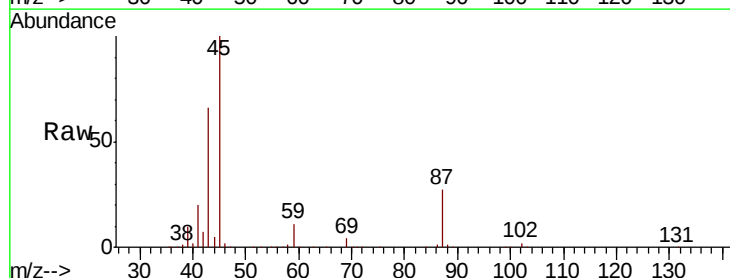
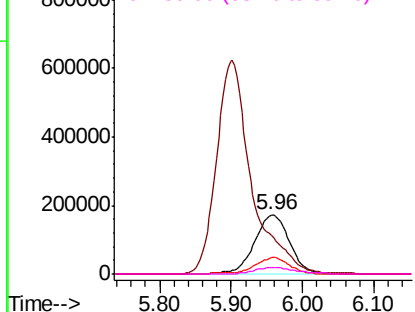
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

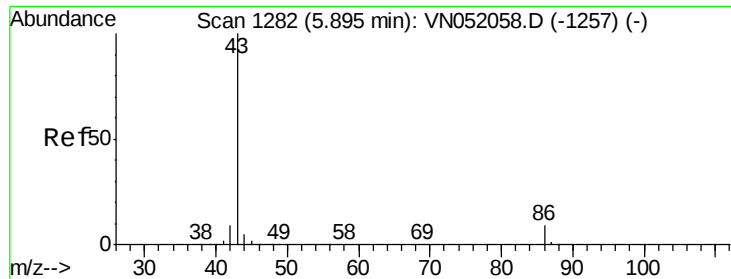


#22
Diisopropyl ether
Concen: 44.903 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	50.5	75.7
87	27.2	21.5	32.3
59	11.2	8.6	13.0

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





#23

Vinyl Acetate

Concen: 235.116 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2124164

Ion Ratio Lower Upper

43 100

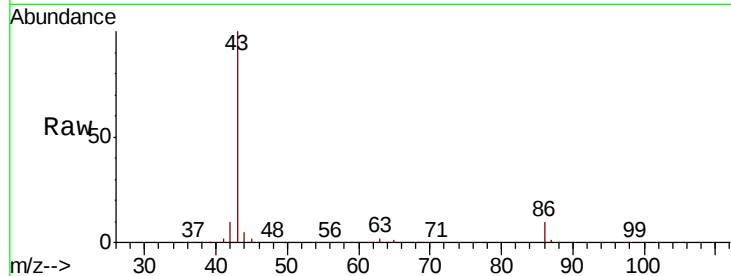
86 10.0 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN052140.D (-1189) (-)

Ion 86.00 (85.70 to 86.70): VN052140.D (-1189) (-)

5.90

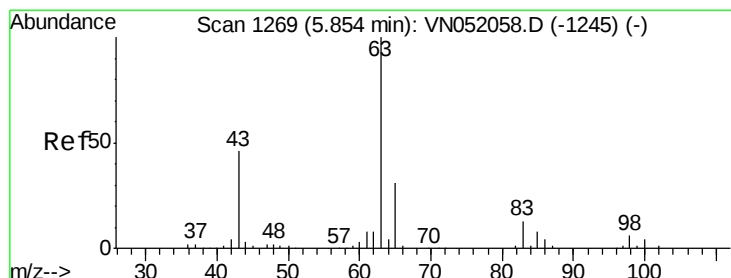
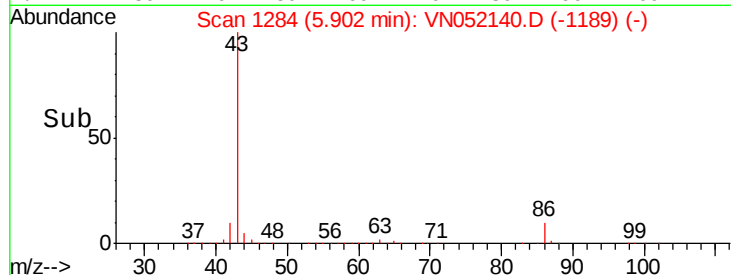
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 44.413 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

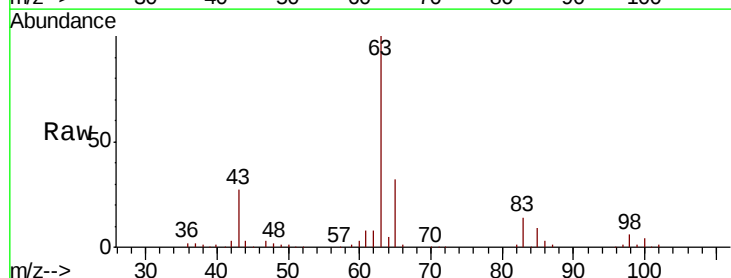
Tgt Ion: 63 Resp: 323819

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN052140.D (-1176) (-)

Ion 97.90 (97.60 to 98.60): VN052140.D (-1176) (-)

Ion 99.90 (99.60 to 100.60): VN052140.D (-1176) (-)

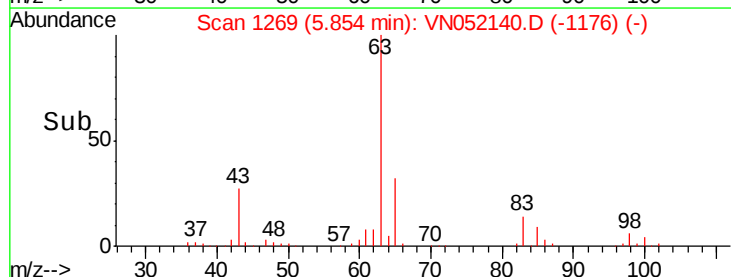
5.85

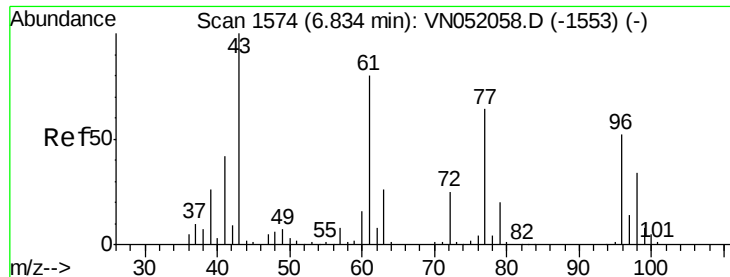
100000

50000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 257.375 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 397322

Ion Ratio Lower Upper

43 100

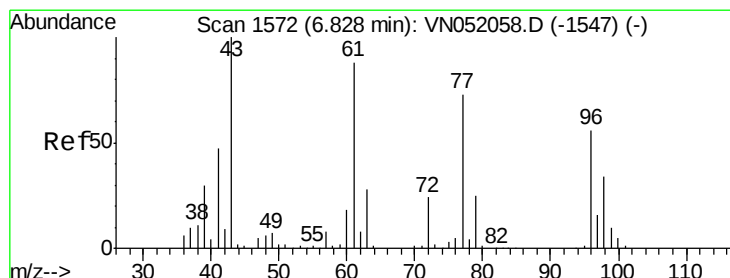
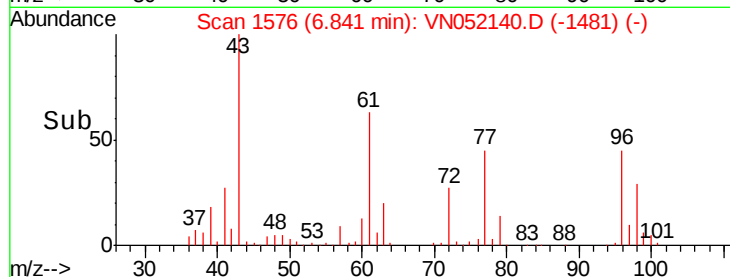
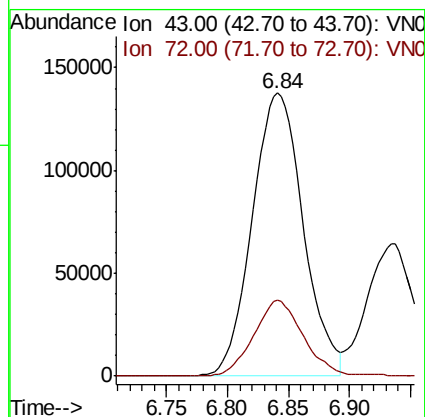
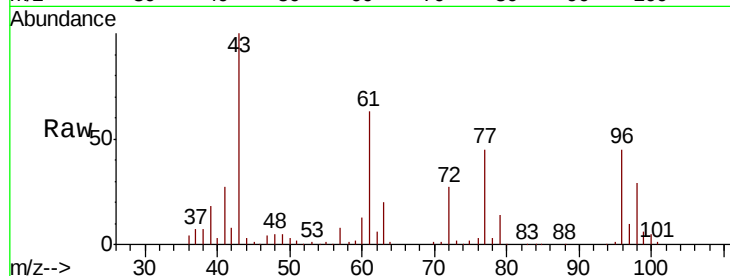
72 27.2 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 36.977 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN052140.D

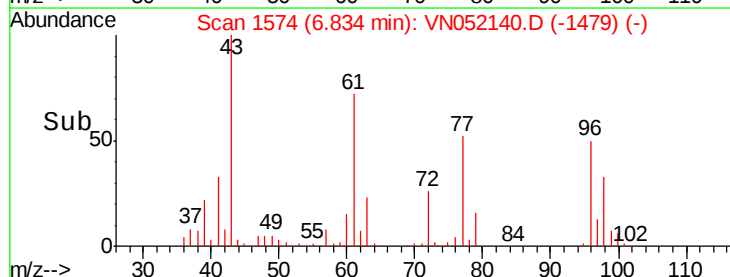
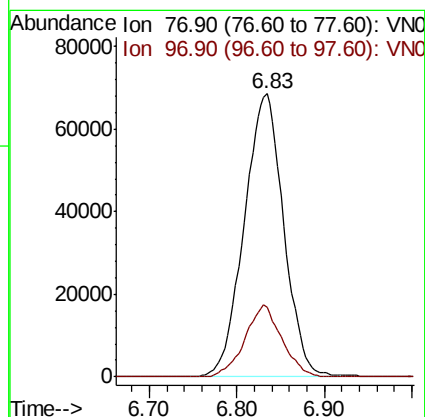
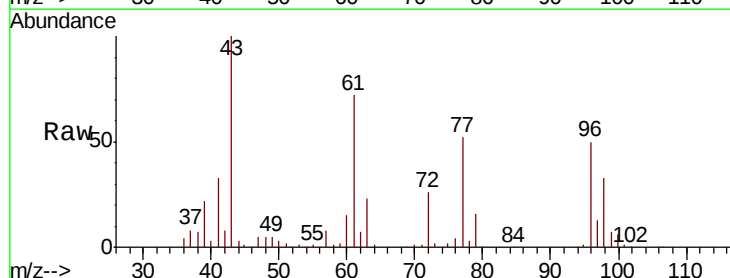
Acq: 2 Nov 2018 20:12

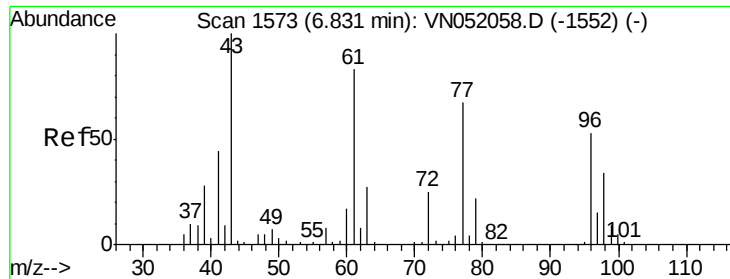
Tgt Ion: 77 Resp: 214117

Ion Ratio Lower Upper

77 100

97 23.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 46.215 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

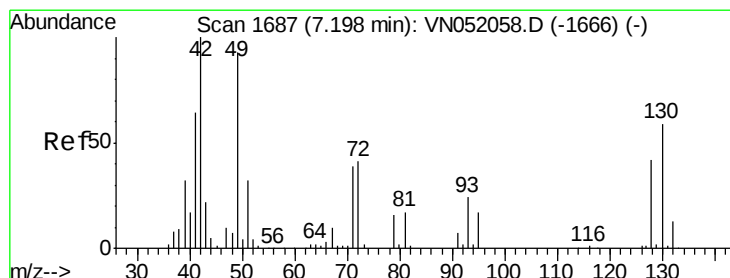
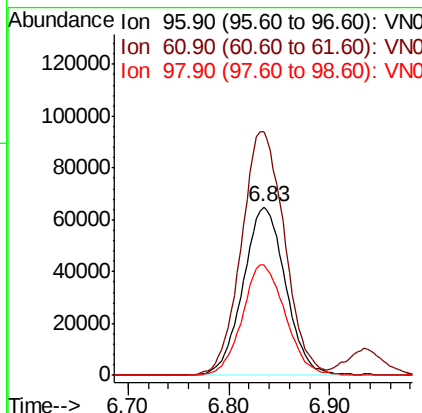
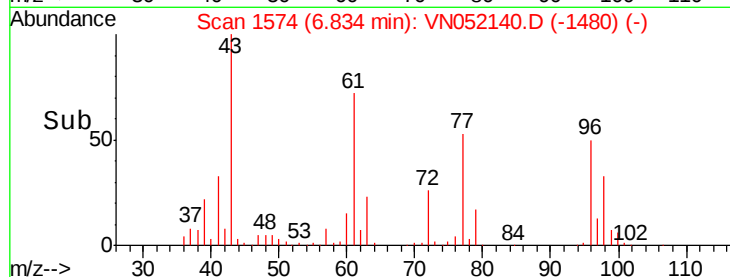
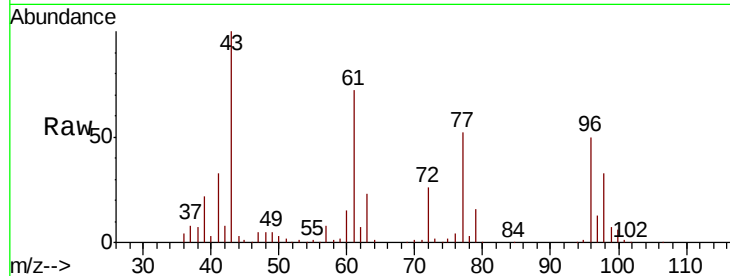
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	312.8
98	66.5	0.0	127.0

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#28

Bromochloromethane

Concen: 42.054 ug/l

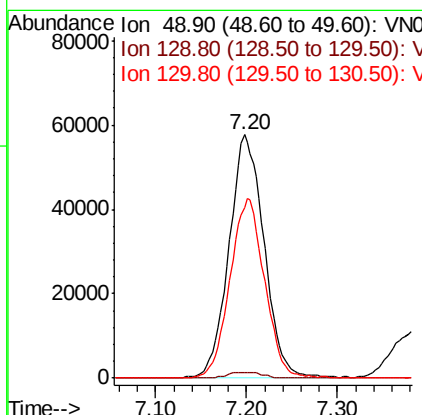
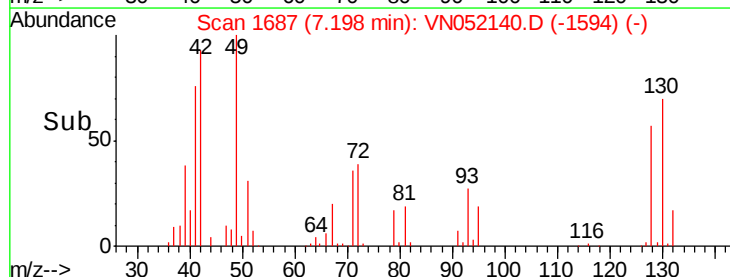
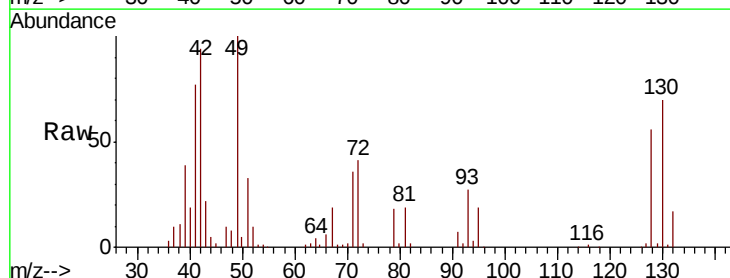
RT: 7.20 min Scan# 1687

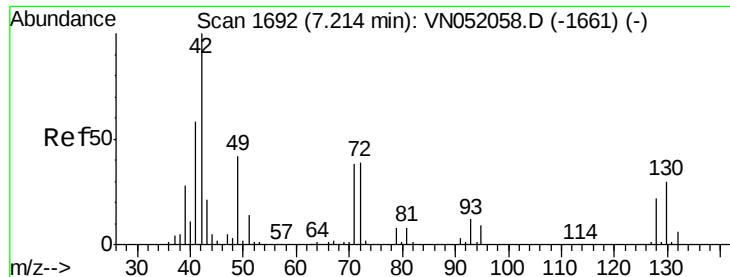
Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.4
130	73.9	50.8	76.2





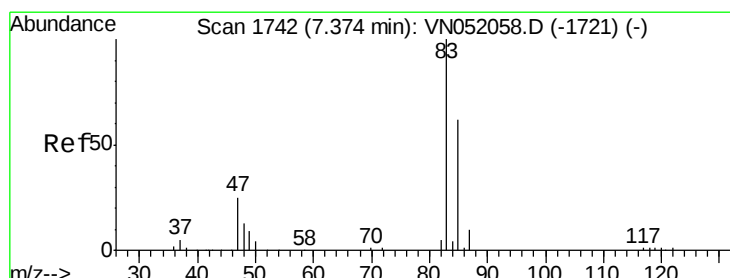
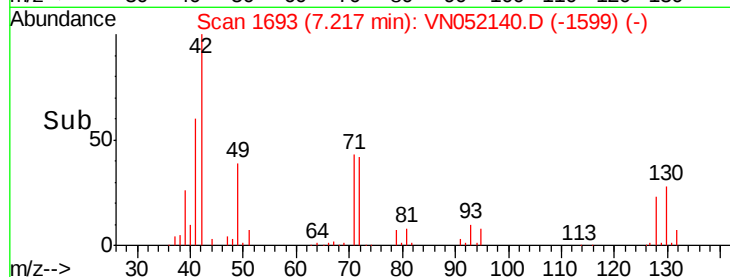
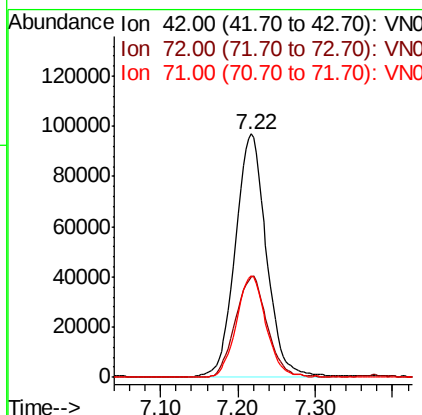
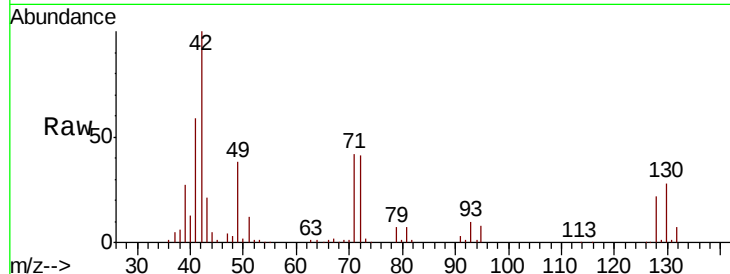
#29
Tetrahydrofuran
Concen: 260.108 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.5	48.7
71	40.3	30.6	46.0

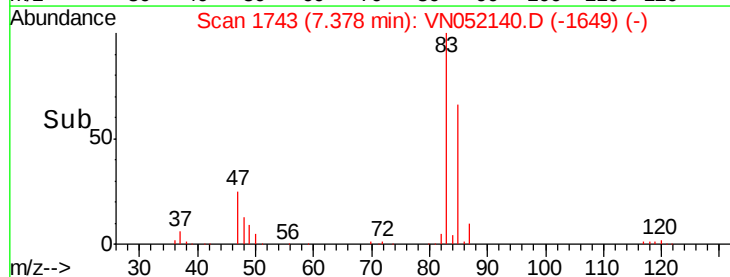
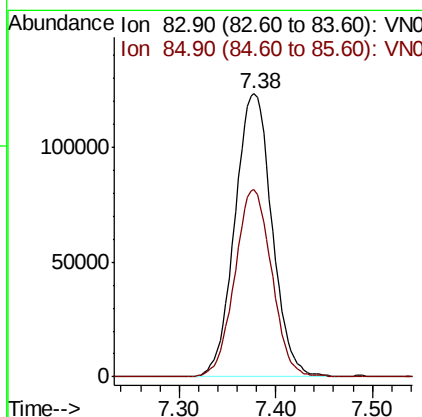
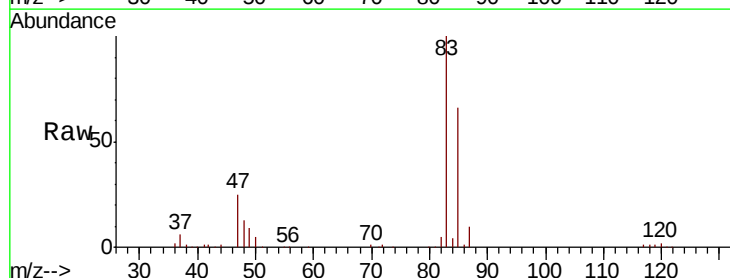
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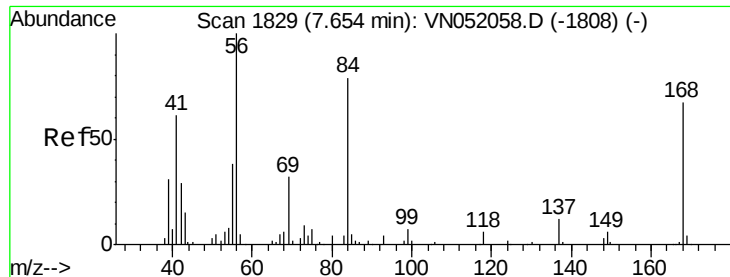
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#30
Chloroform
Concen: 45.279 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.6	74.4





#31

Cyclohexane

Concen: 41.692 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

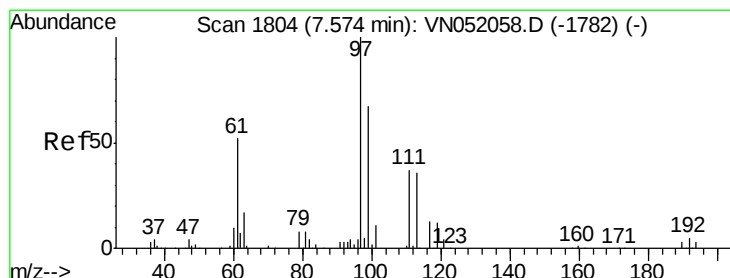
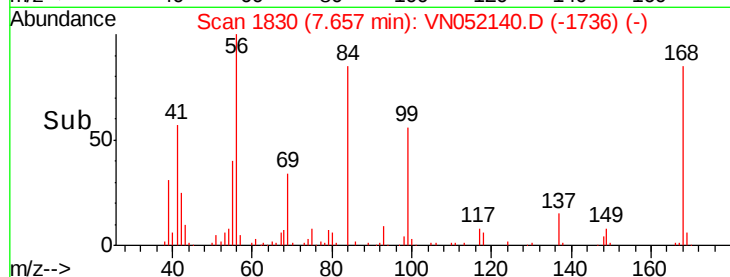
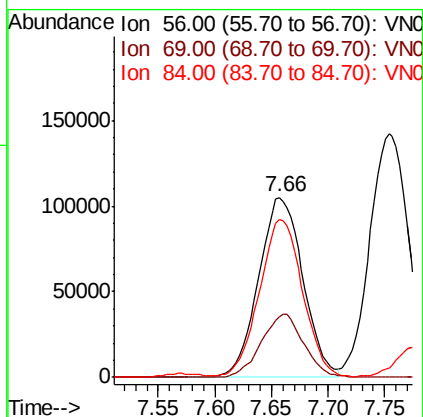
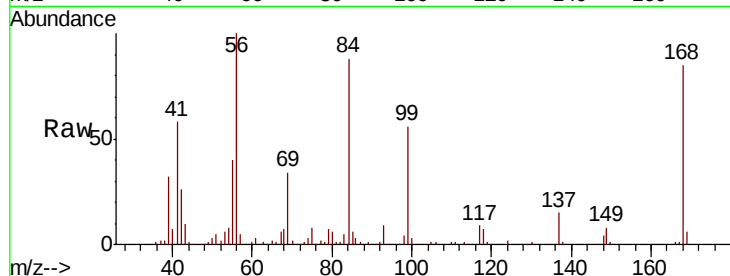
VSTDCCC050EC

Tot Ion: 56 Resp: 285033

Ion	Ratio	Lower	Upper
56	100		
69	33.7	25.8	38.6
84	86.0	63.5	95.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.165 ug/l

RT: 7.58 min Scan# 1805

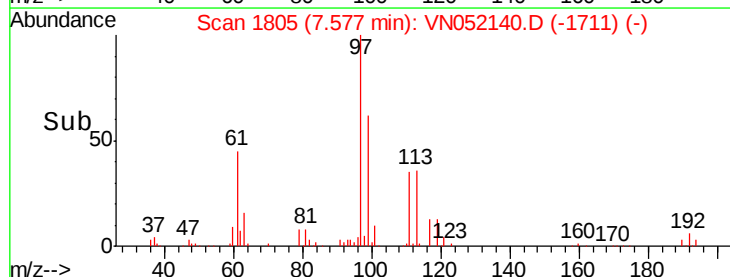
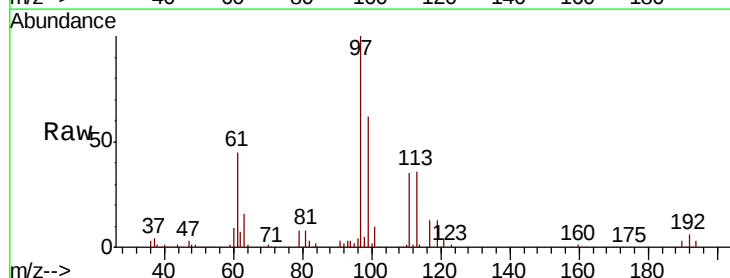
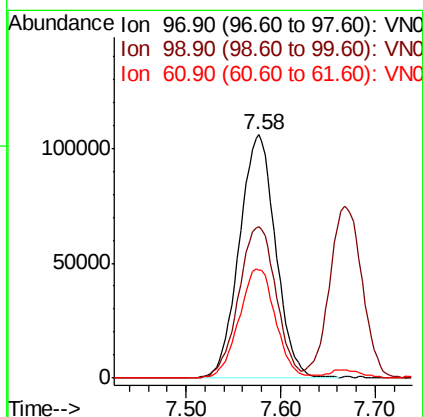
Delta R.T. 0.00 min

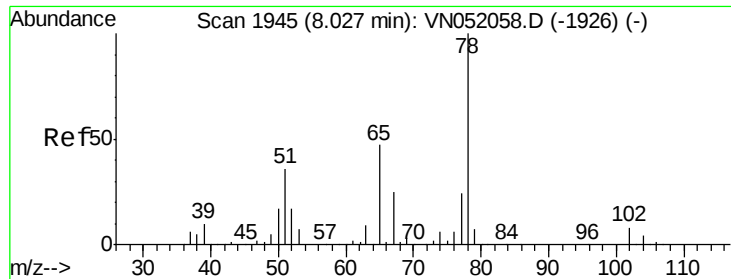
Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion: 97 Resp: 281917

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	45.2	40.3	60.5





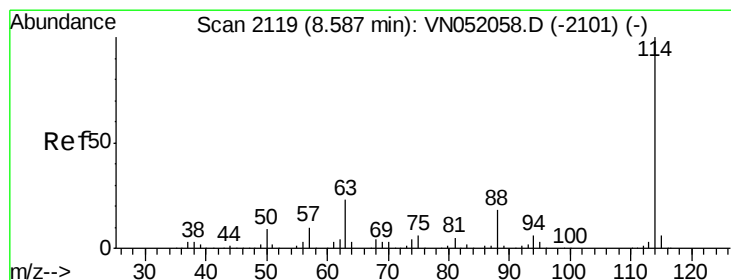
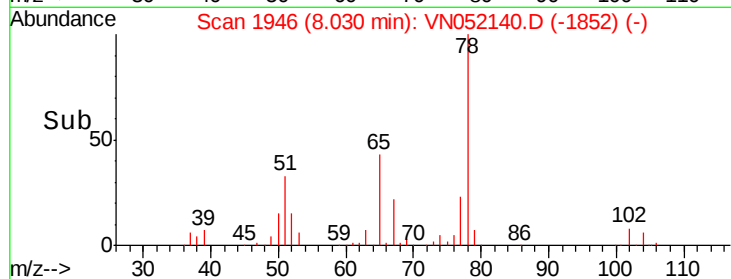
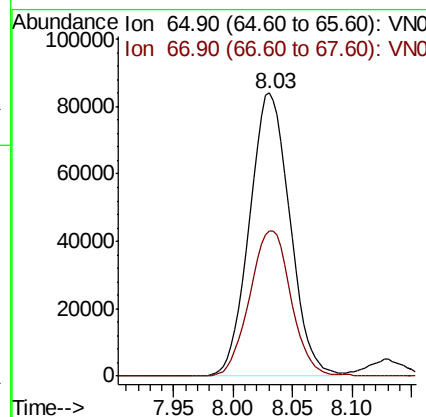
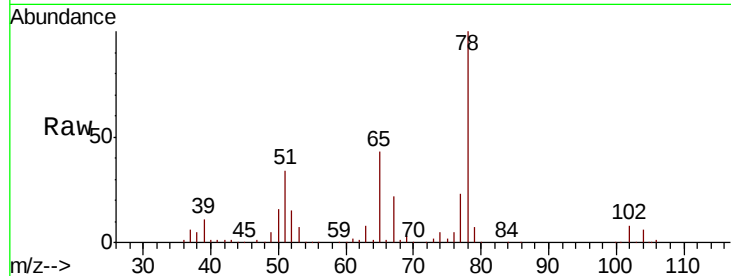
#33
 1,2-Dichloroethane-d4
 Concen: 48.165 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197968		
67	52.4	0.0	105.2	

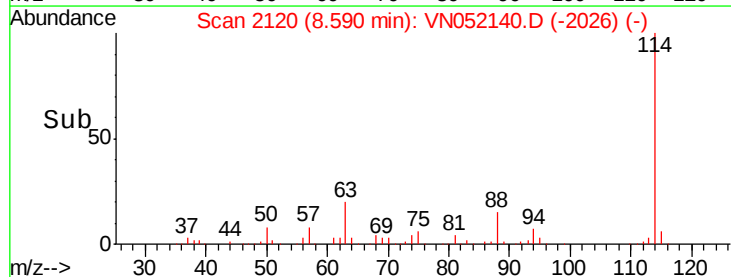
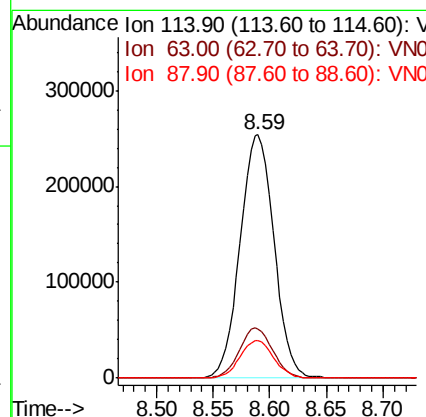
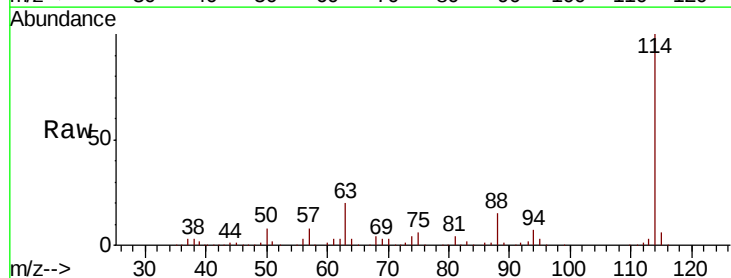
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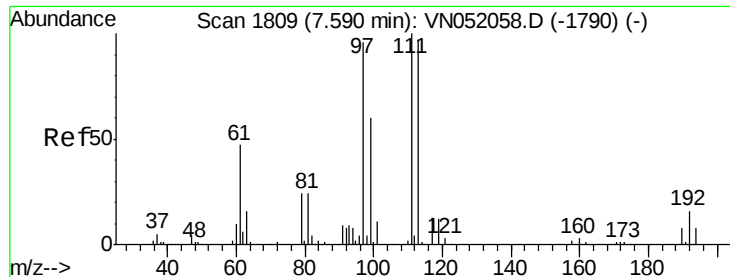
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	530544		
63	20.2	0.0	46.0	
88	15.4	0.0	35.4	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

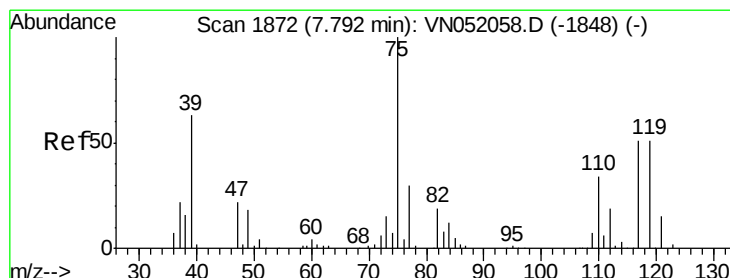
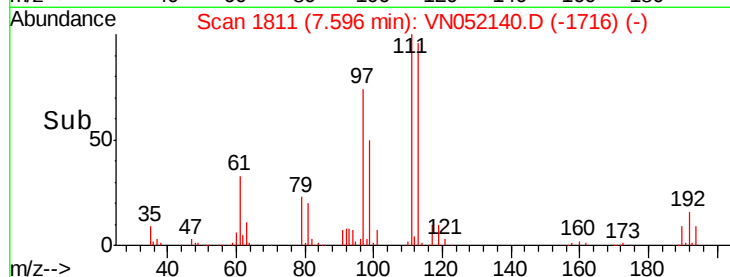
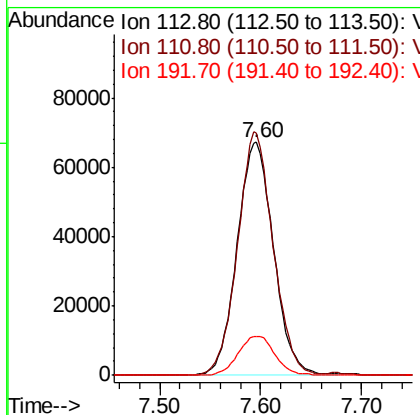
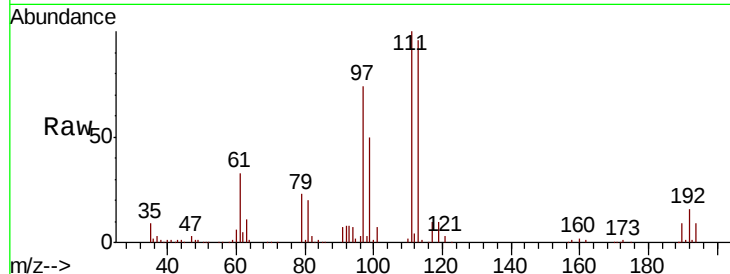
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	168610
Ion Ratio	Lower	Upper	
113	100		
111	101.3	83.1	124.7
192	16.8	12.7	19.1

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#36

1,1-Dichloropropene

Concen: 45.281 ug/l

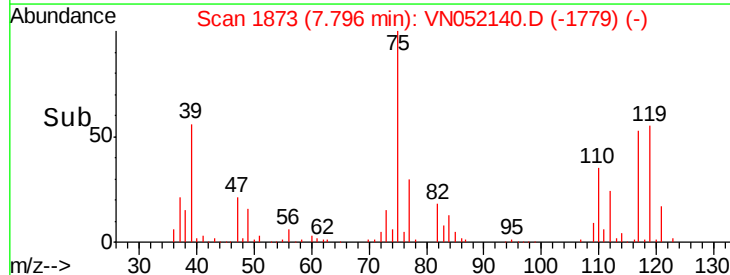
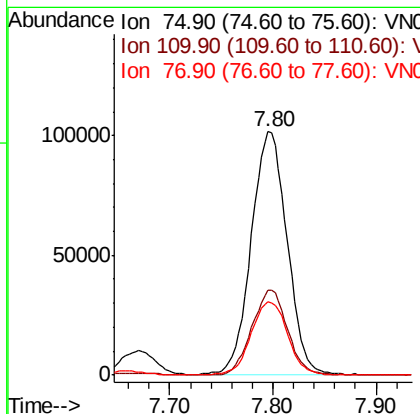
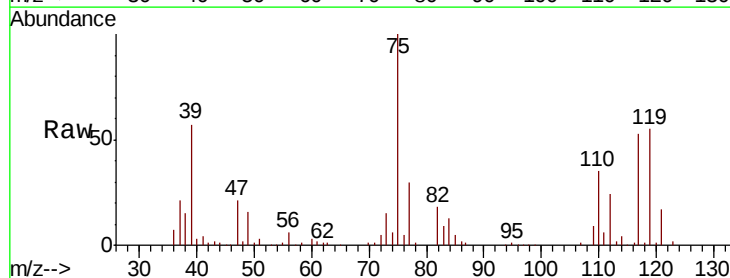
RT: 7.80 min Scan# 1873

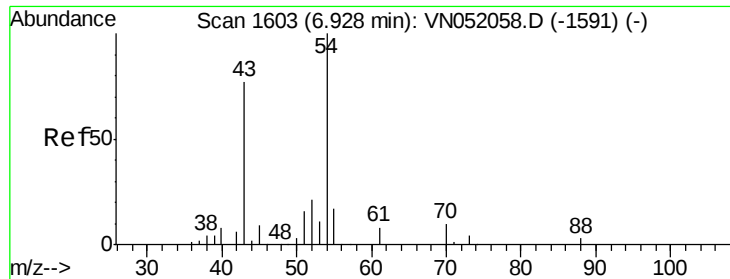
Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	75	Resp:	244274
Ion Ratio	Lower	Upper	
75	100		
110	34.8	16.0	48.0
77	31.0	24.5	36.7





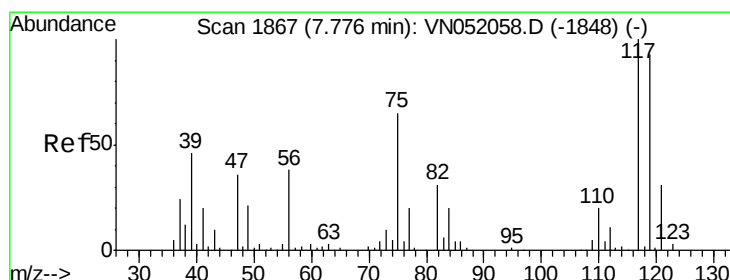
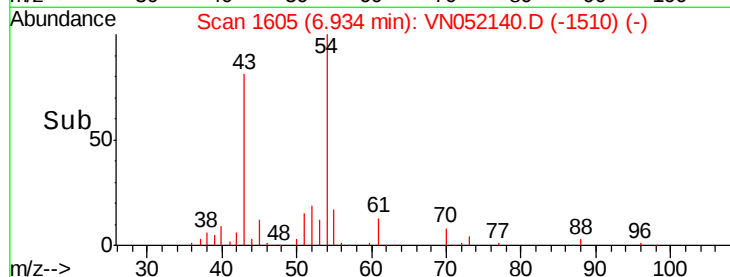
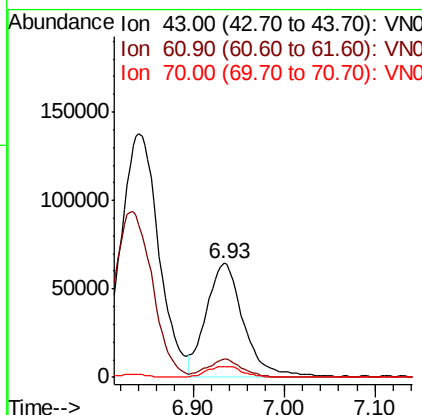
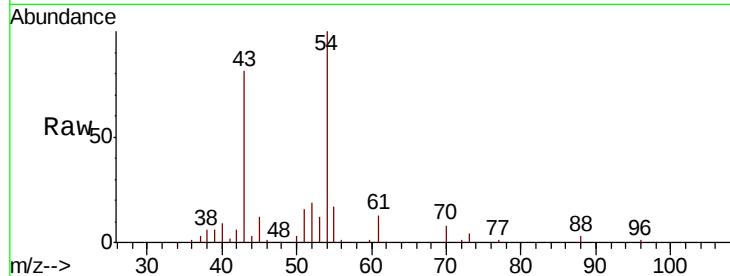
#37
Ethyl Acetate
Concen: 50.310 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.6	10.9	16.3	
70	9.8	8.6	12.8	

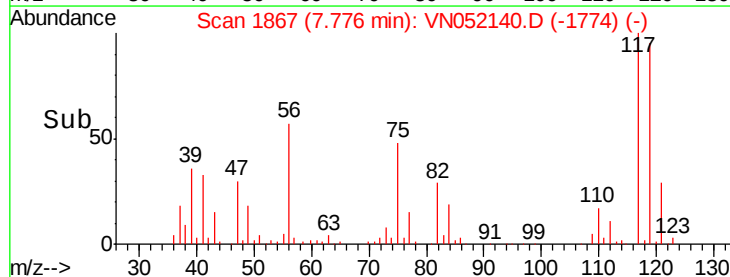
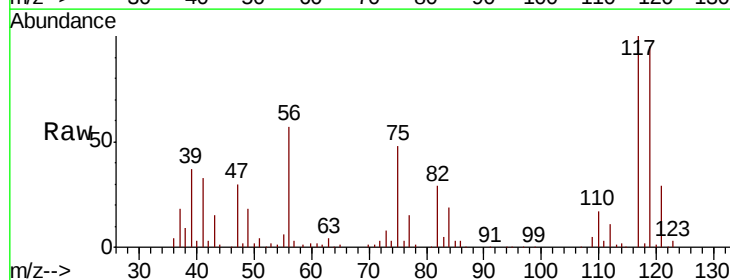
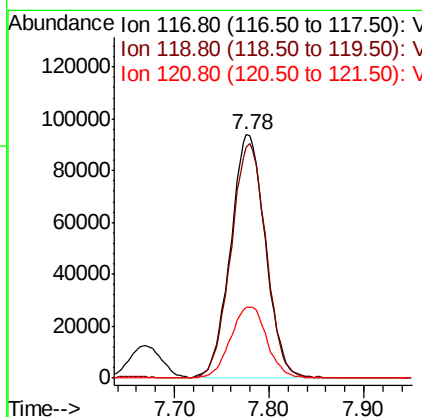
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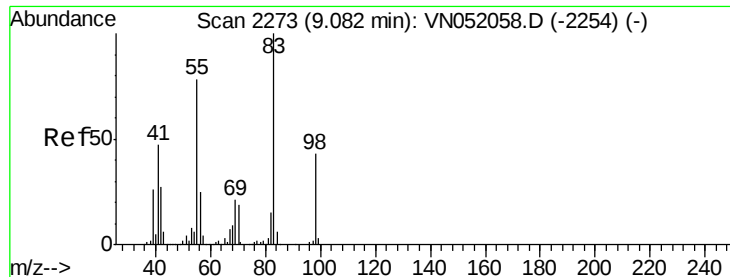
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#38
Carbon Tetrachloride
Concen: 51.701 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.6	74.8	112.2	
121	28.9	25.1	37.7	





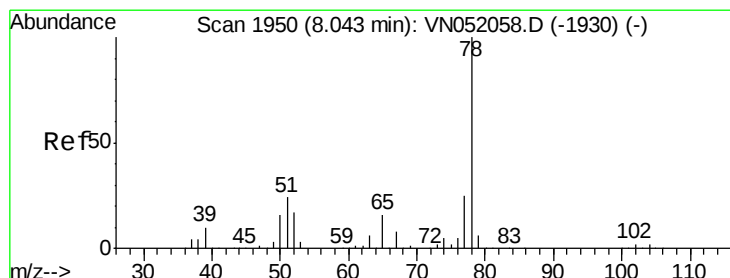
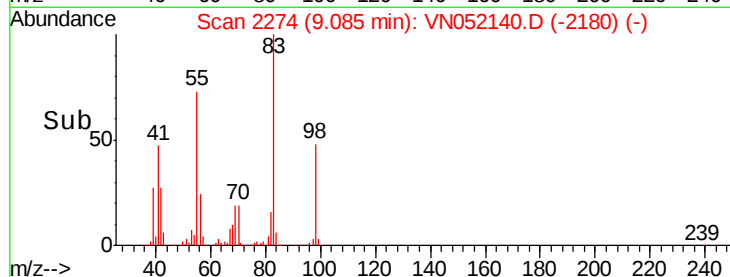
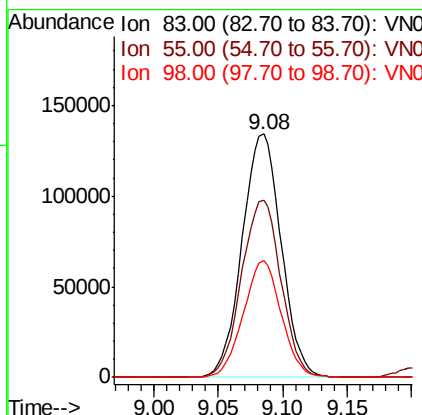
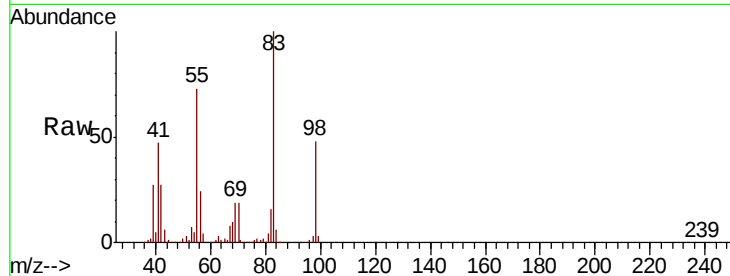
#39
Methylvlcyclohexane
Concen: 44.298 ug/l
RT: 9.08 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.9	62.0	93.0
98	47.8	34.7	52.1

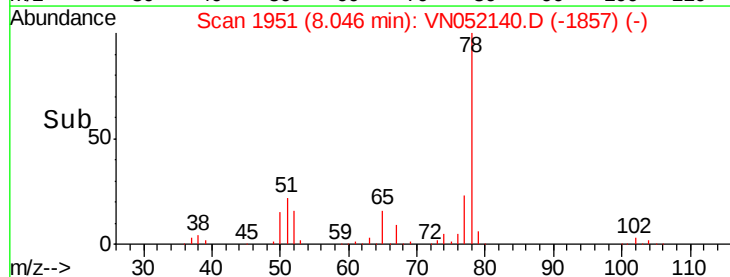
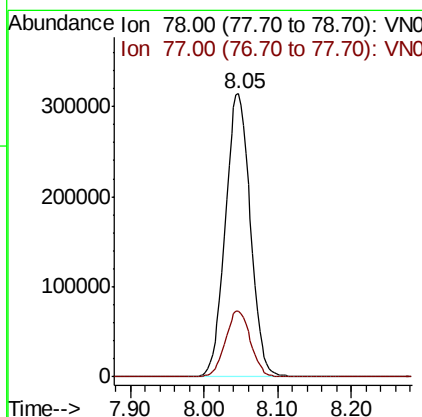
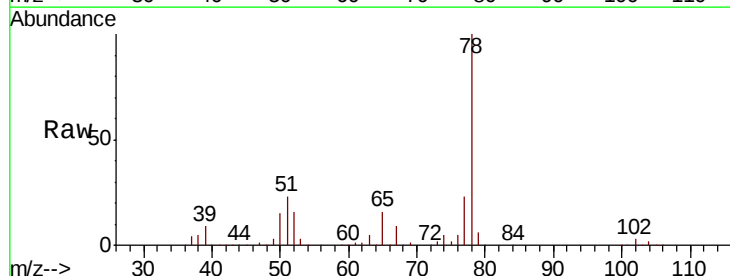
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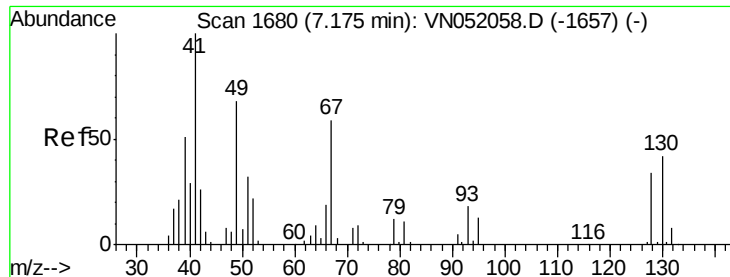
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#40
Benzene
Concen: 47.400 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.8	29.6





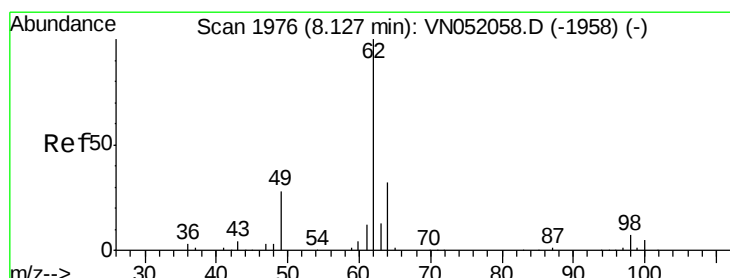
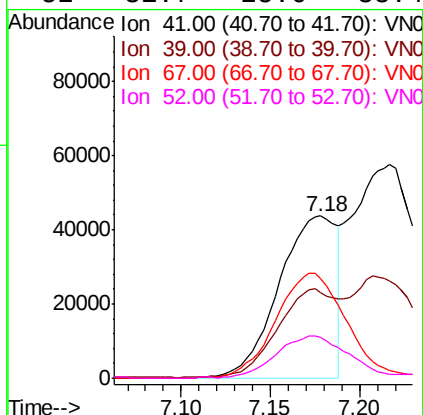
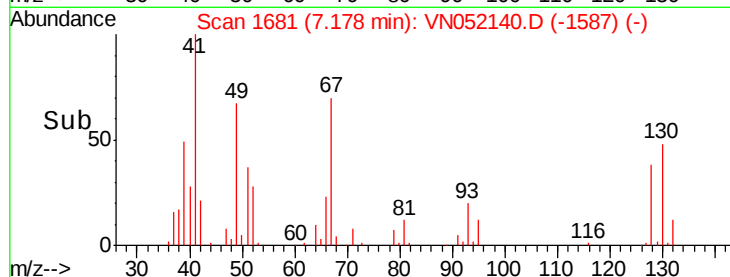
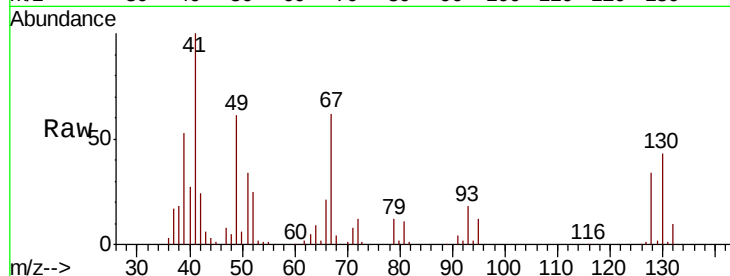
#41
Methacrylonitrile
Concen: 52.938 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.4	33.2	49.8#
67	79.4	63.5	95.3
52	31.7	25.6	38.4

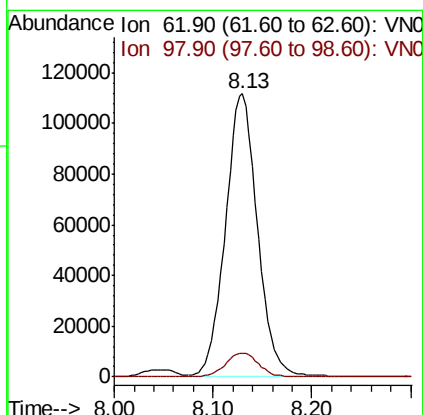
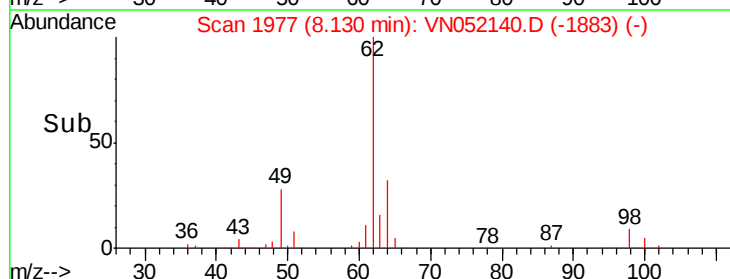
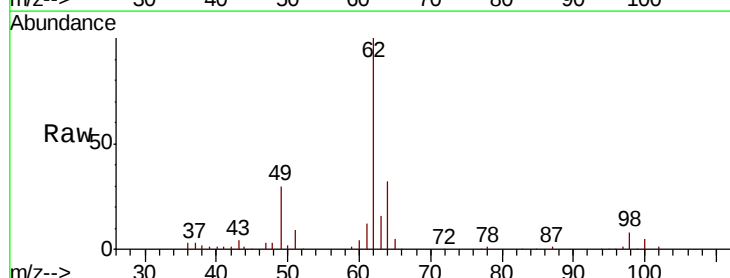
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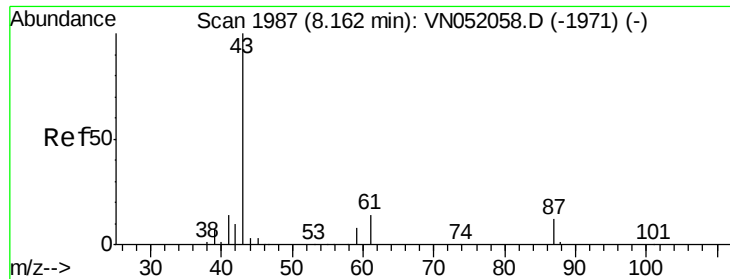
MMDadoda
11/5/2018 11:53:28 AM



#42
1,2-Dichloroethane
Concen: 43.780 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.2





#43

Isopropyl Acetate

Concen: 53.241 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

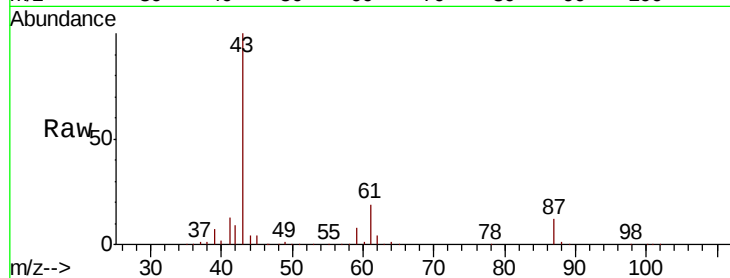
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	341921
Ion	Ratio	Lower	Upper
43	100		
61	25.8	15.4	23.0#
87	11.9	9.8	14.8

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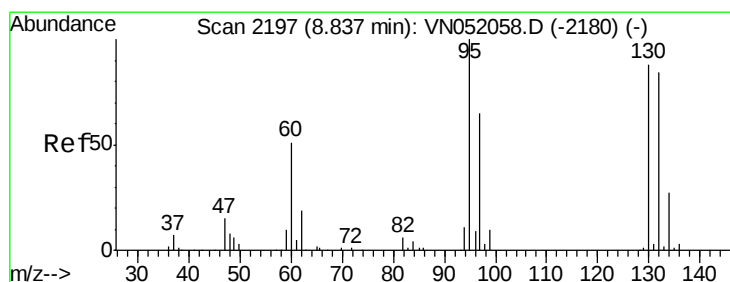
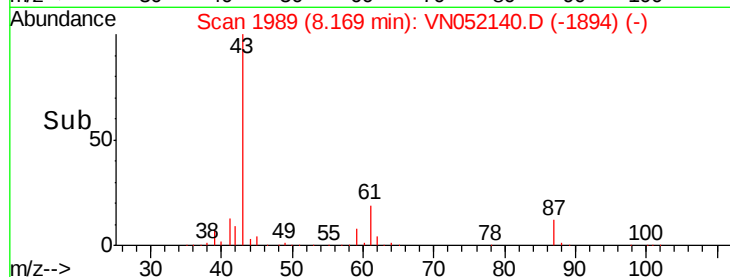
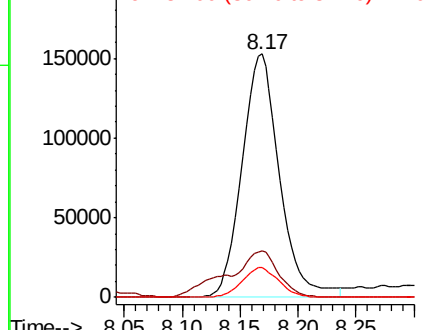
MMDadoda
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Abundance Ion 43.00 (42.70 to 43.70): VN052140.D (-1987) (-)

Ion 61.00 (60.70 to 61.70): VN052140.D (-1987) (-)

Ion 87.00 (86.70 to 87.70): VN052140.D (-1987) (-)



#44

Trichloroethene

Concen: 51.369 ug/l

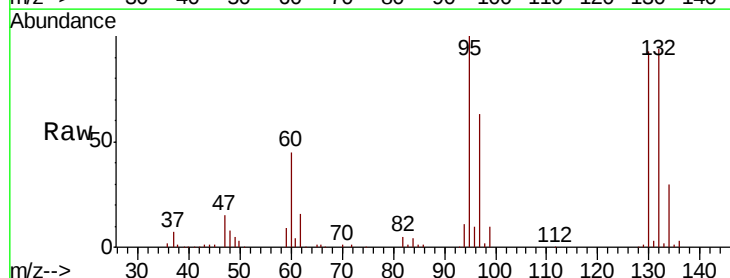
RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052140.D

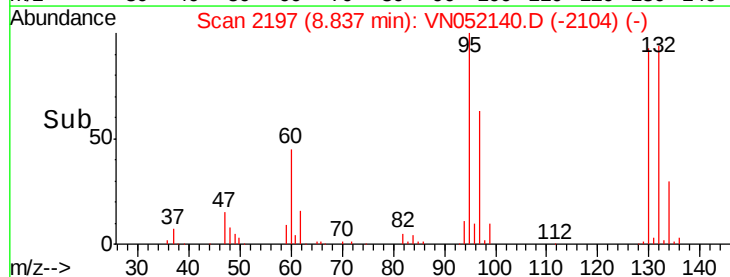
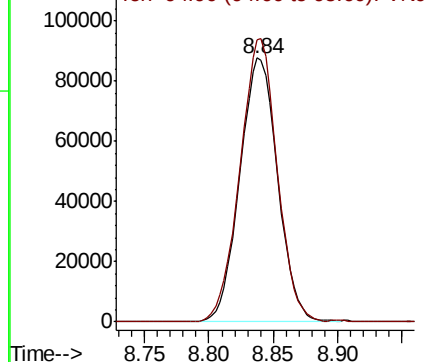
Acq: 2 Nov 2018 20:12

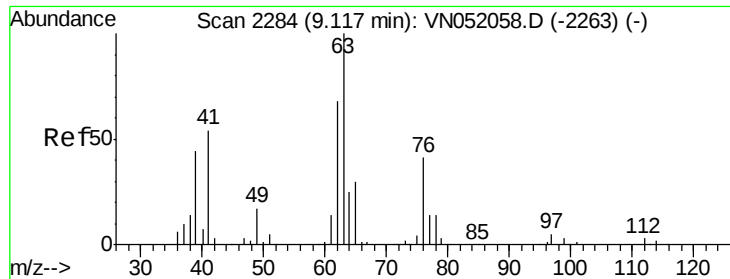
Tgt Ion:	130	Resp:	179257
Ion	Ratio	Lower	Upper
130	100		
95	106.8	0.0	228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052140.D (-2197) (-)

Ion 94.90 (94.60 to 95.60): VN052140.D (-2197) (-)





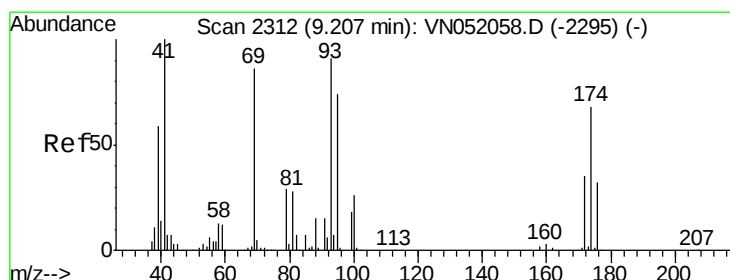
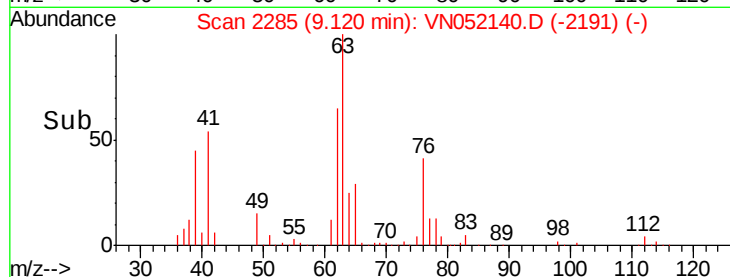
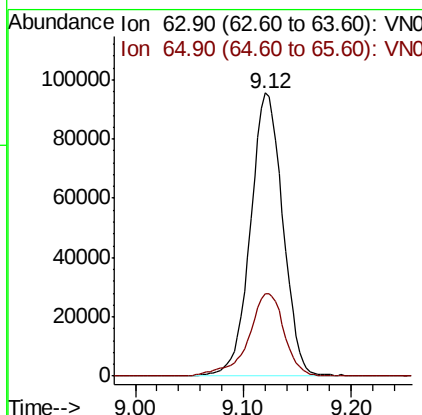
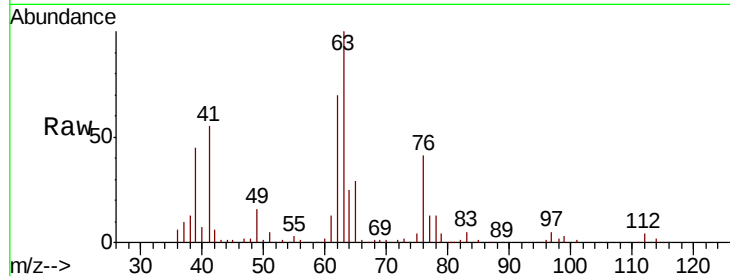
#45
 1,2-Dichloropropane
 Concen: 44.779 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 199041
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.5 36.7

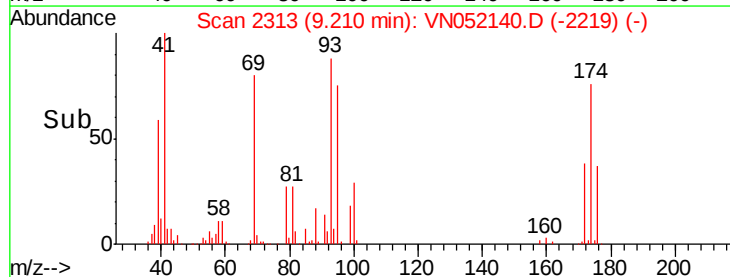
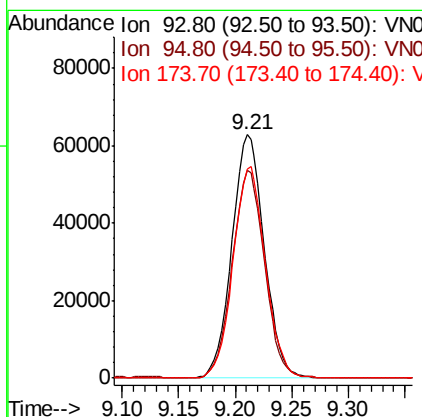
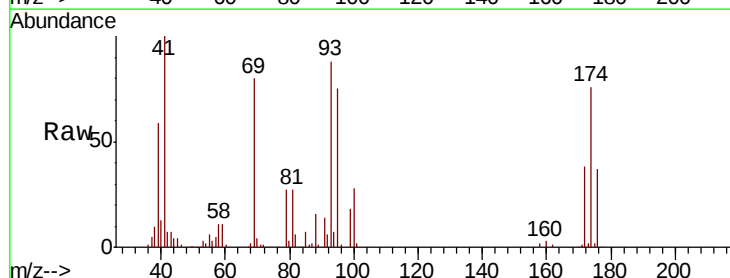
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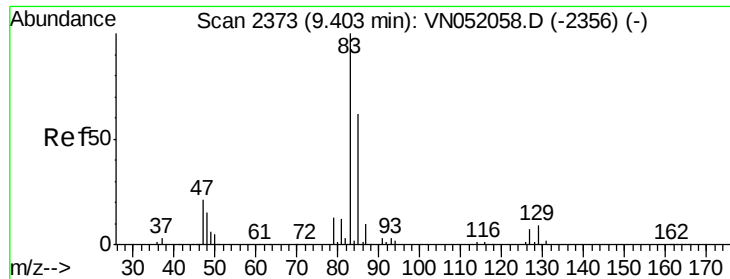
MMDadoda
 11/5/2018 11:53:28 AM



#46
 Dibromomethane
 Concen: 50.549 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion: 93 Resp: 125577
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.2 100.8
 174 86.4 59.7 89.5





#47

Bromodichloromethane

Concen: 49.502 ug/l

RT: 9.41 min Scan# 2374

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

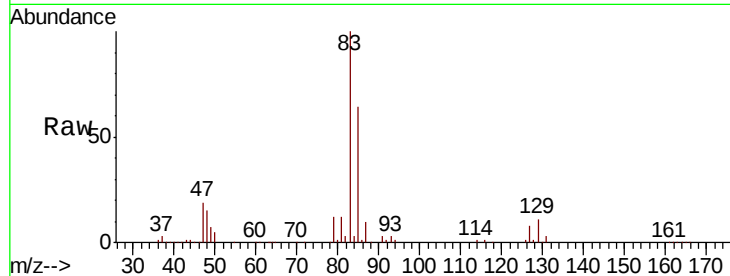
ClientSampled :

VSTDCCC050EC

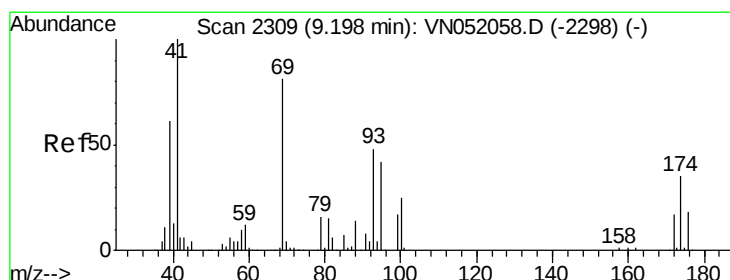
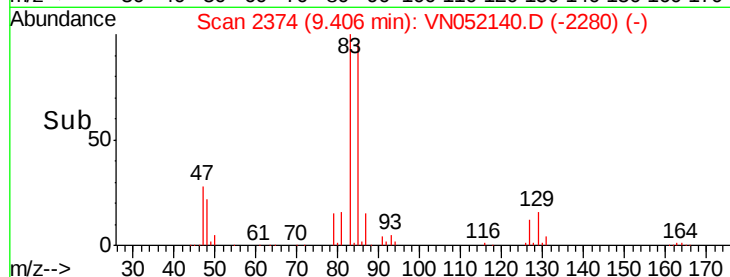
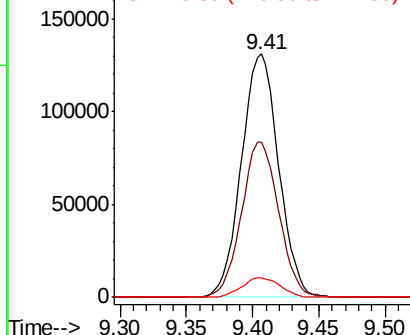
Tot Ion:	83	Resp:	256487
Ion Ratio	Lower	Upper	
83	100		
85	63.9	49.4	74.2
127	8.1	5.8	8.8

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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: 49.572 ug/l

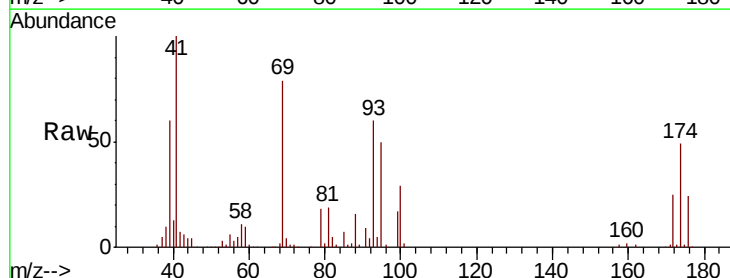
RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

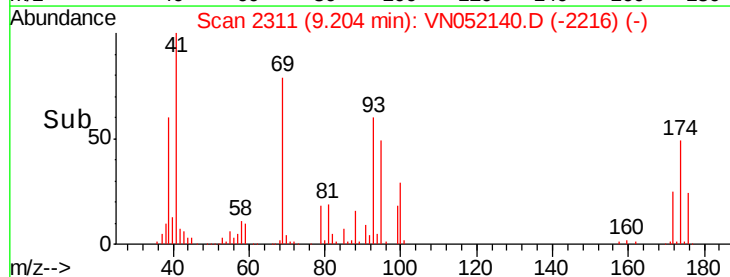
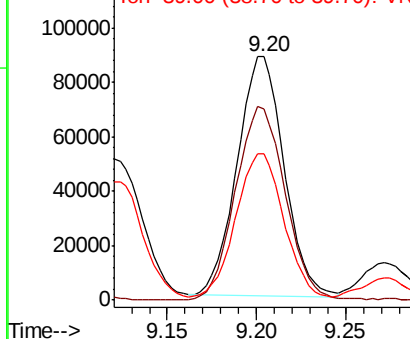
Lab File: VN052140.D

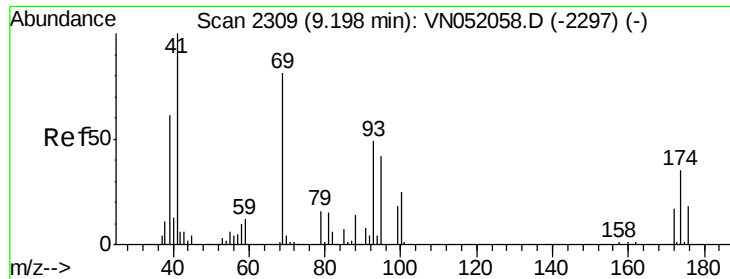
Acq: 2 Nov 2018 20:12

Tgt Ion:	41	Resp:	161408
Ion Ratio	Lower	Upper	
41	100		
69	85.7	67.1	100.7
39	61.9	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





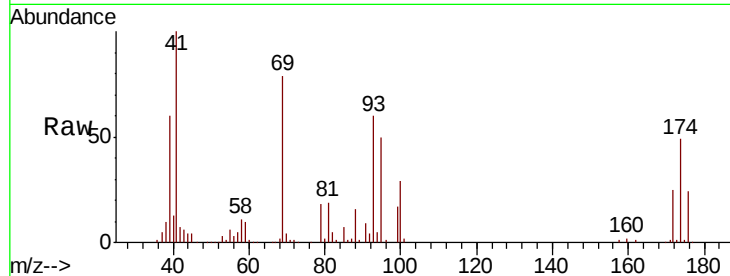
#49
1,4-Dioxane
Concen: 1123.198 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	34.1	51.1
58	65.8	62.8	94.2

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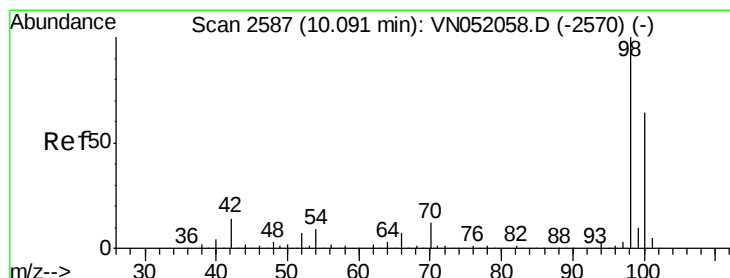
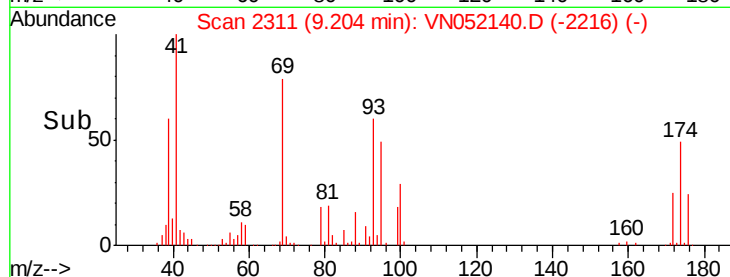
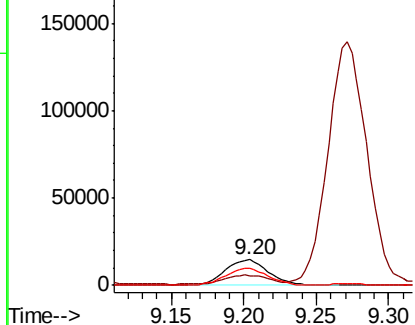
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Abundance Ion 88.00 (87.70 to 88.70): VN052140.D (-2311) (-)

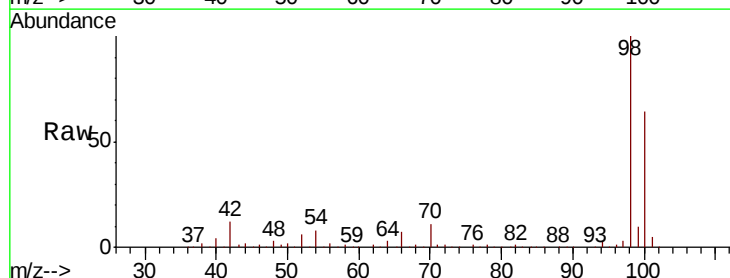
Ion 43.00 (42.70 to 43.70): VN052140.D (-2311) (-)

Ion 58.00 (57.70 to 58.70): VN052140.D (-2311) (-)



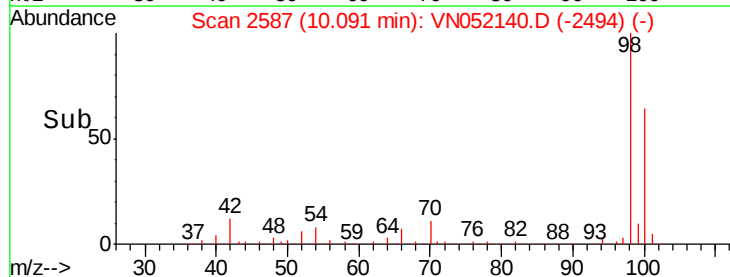
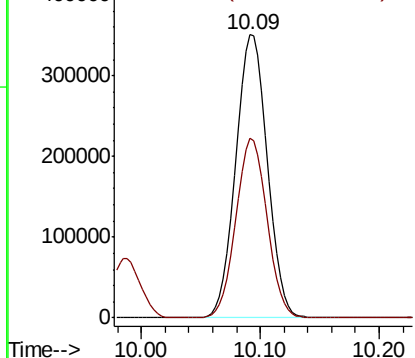
#50
Toluene-d8
Concen: 1123.198 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

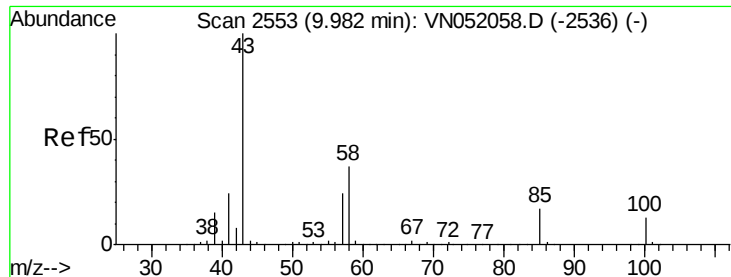
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052140.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN052140.D (-2587) (-)





#51

4-Methyl-2-Pentanone

Concen: 269.432 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 940488

Ion Ratio Lower Upper

43 100

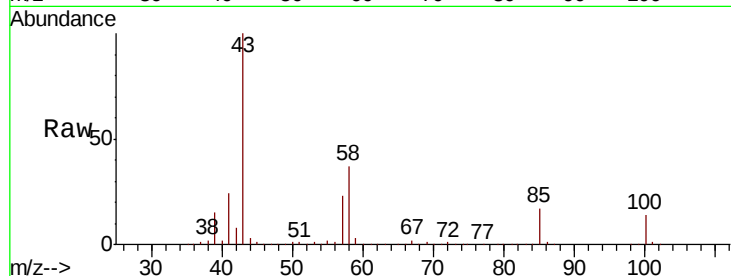
58 37.3 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

9.99

600000

500000

400000

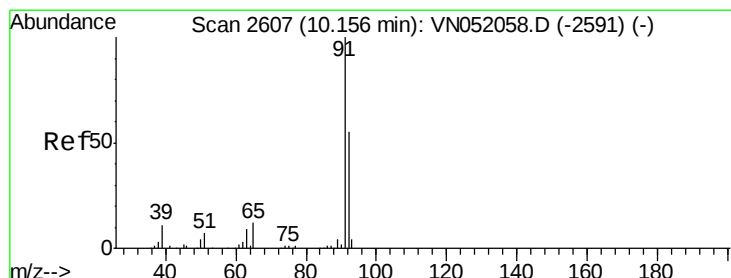
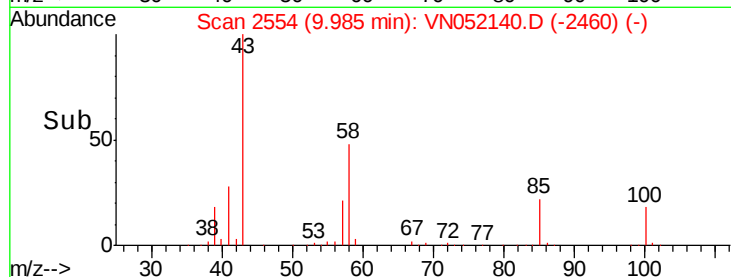
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.059 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052140.D

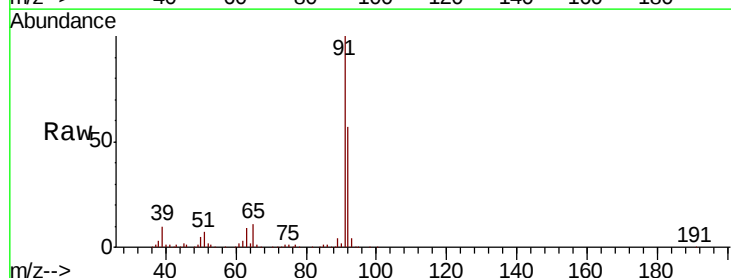
Acq: 2 Nov 2018 20:12

Tgt Ion: 92 Resp: 452682

Ion Ratio Lower Upper

92 100

91 179.1 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

10.16

500000

400000

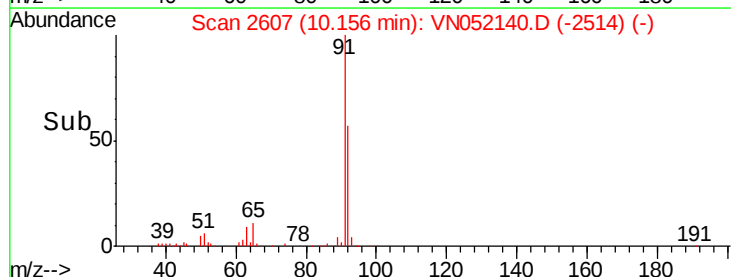
300000

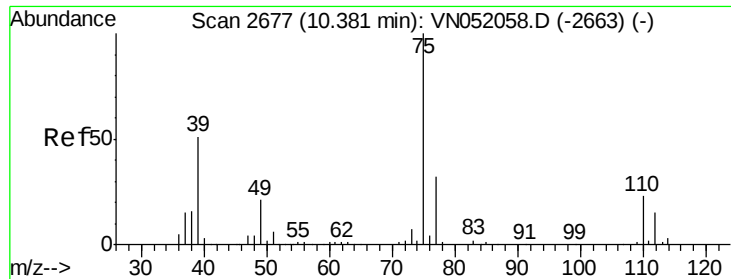
200000

100000

0

Time-->





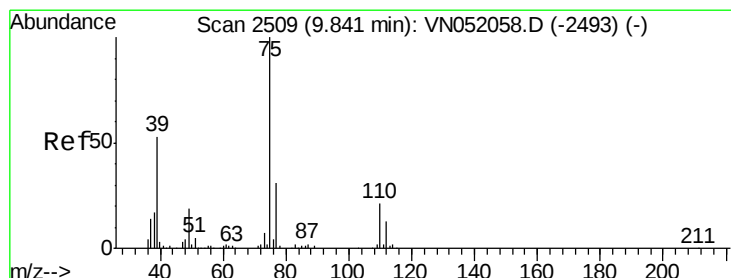
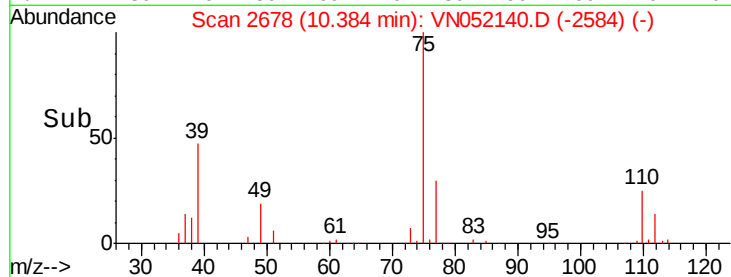
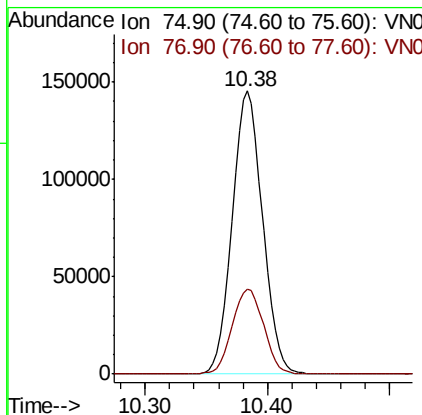
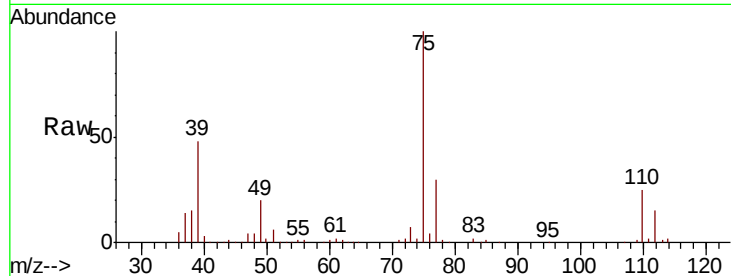
#53
t-1,3-Dichloropropene
Concen: 45.803 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 250904
Ion Ratio Lower Upper
75 100
77 30.2 25.6 38.4

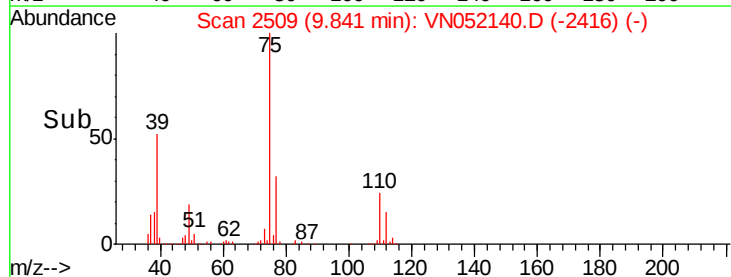
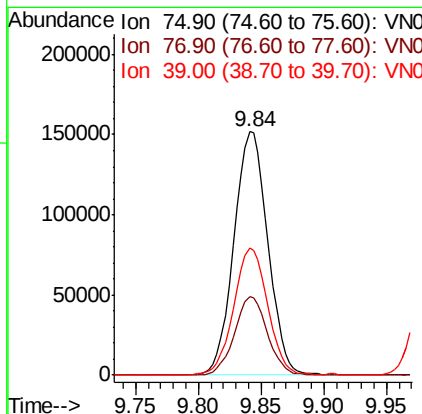
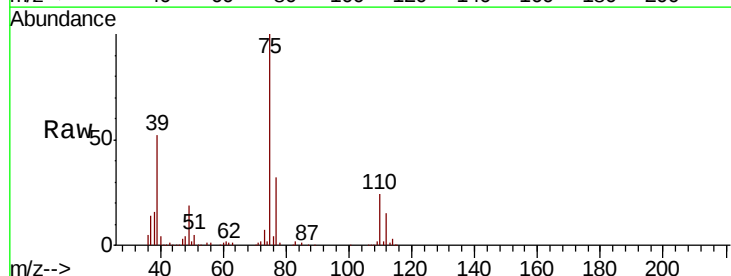
Manual Integrations
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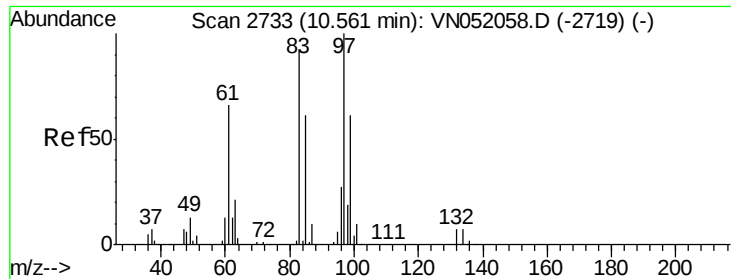
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#54
cis-1,3-Dichloropropene
Concen: 46.920 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion: 75 Resp: 285441
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.4
39 51.8 42.3 63.5





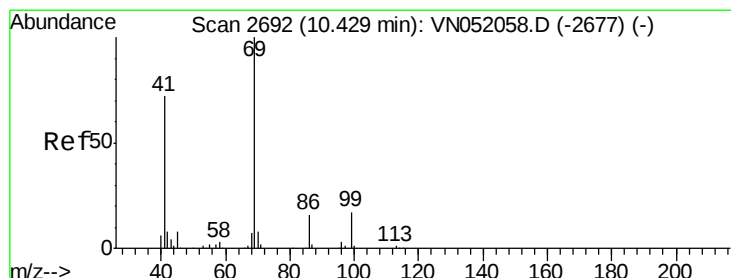
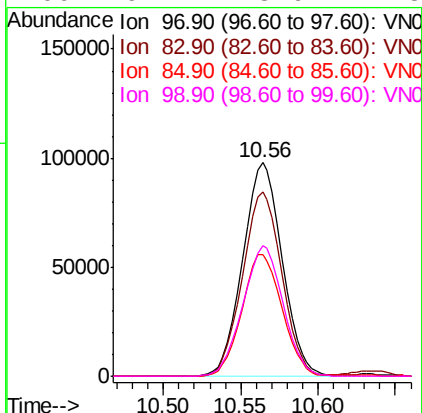
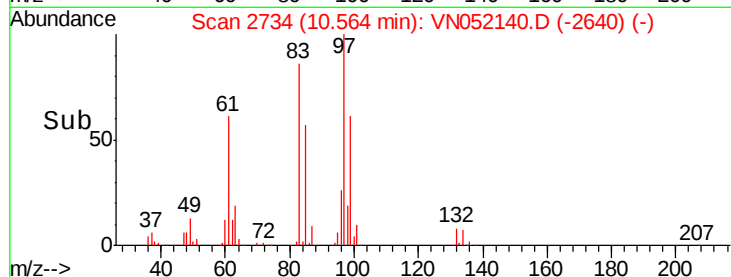
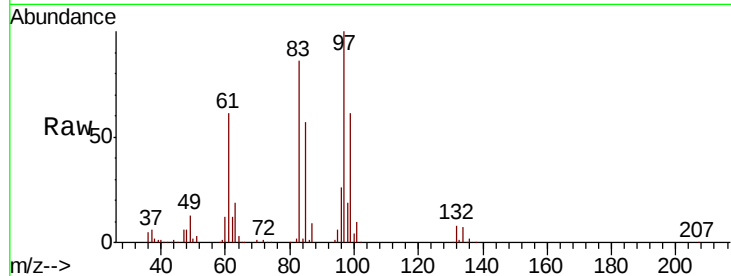
#55
 1,1,2-Trichloroethane
 Concen: 51.939 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	174247
Ion	Ratio	Lower	Upper
97	100		
83	86.1	73.8	110.8
85	57.1	48.4	72.6
99	61.4	48.6	72.8

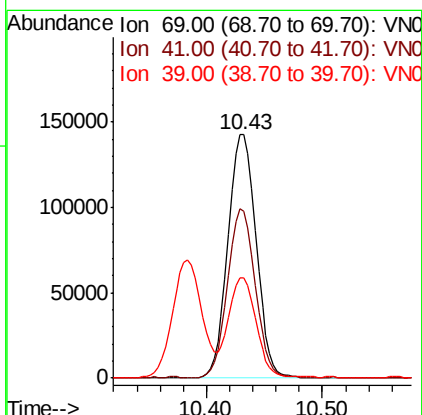
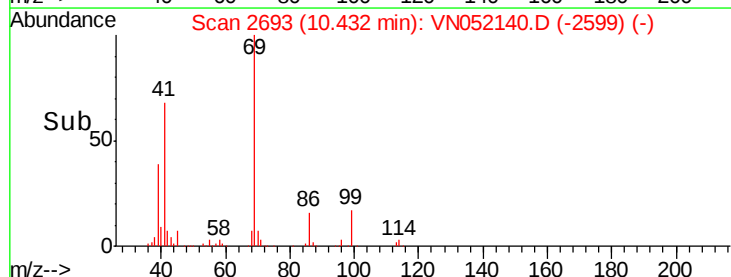
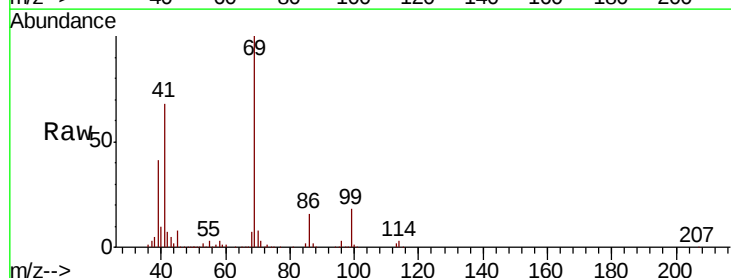
Manual Integrations
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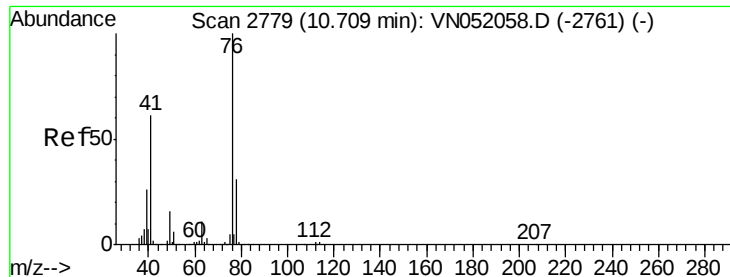
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 11/5/2018 11:53:28 AM



#56
 Ethyl methacrylate
 Concen: 49.983 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion:	69	Resp:	239863
Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.5	83.3
39	39.2	33.0	49.4





#57

1,3-Dichloropropane

Concen: 47.490 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 293150

Ion Ratio Lower Upper

76 100

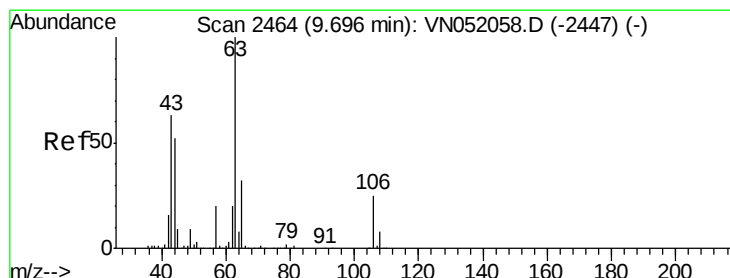
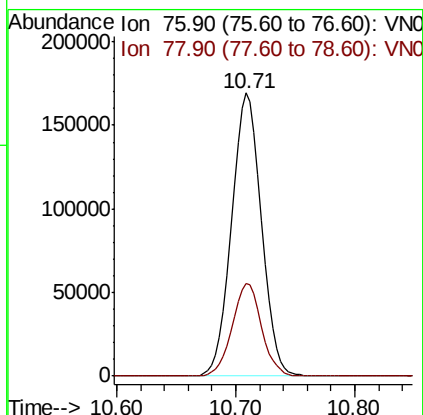
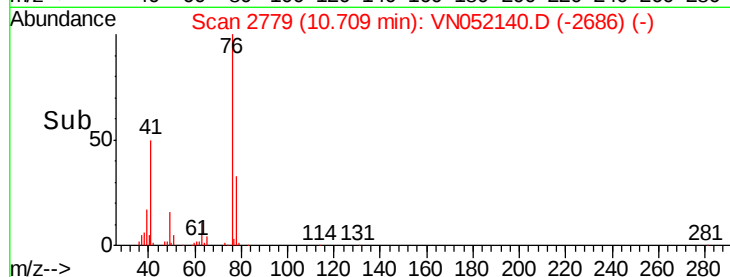
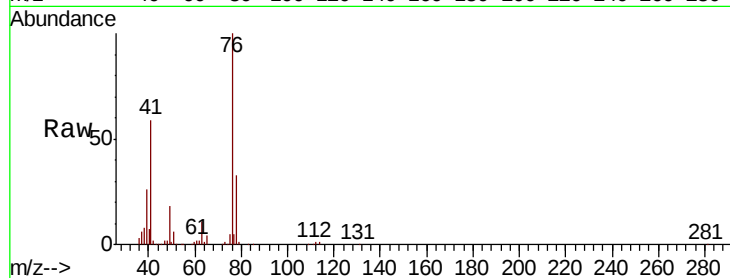
78 32.5 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 249.289 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052140.D

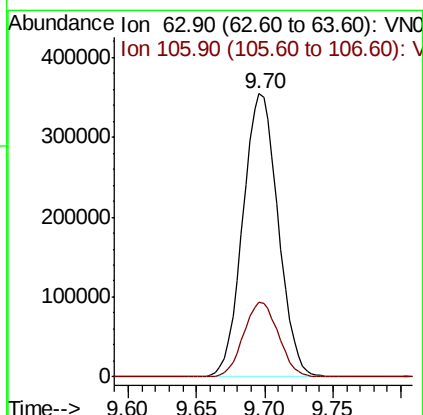
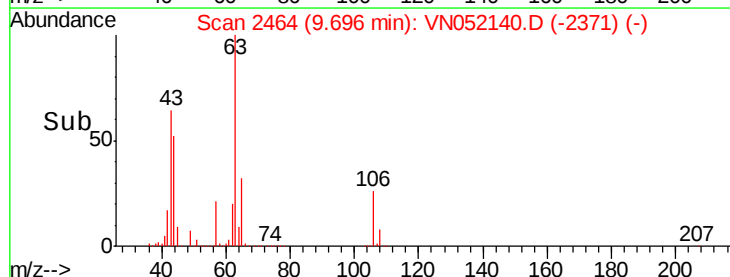
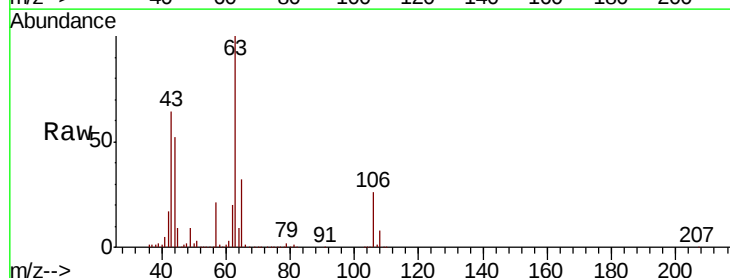
Acq: 2 Nov 2018 20:12

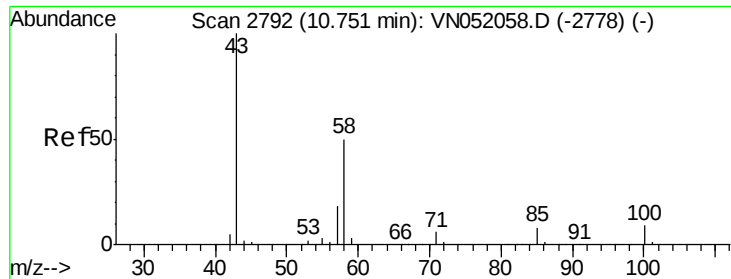
Tgt Ion: 63 Resp: 636343

Ion Ratio Lower Upper

63 100

106 26.0 19.4 29.2





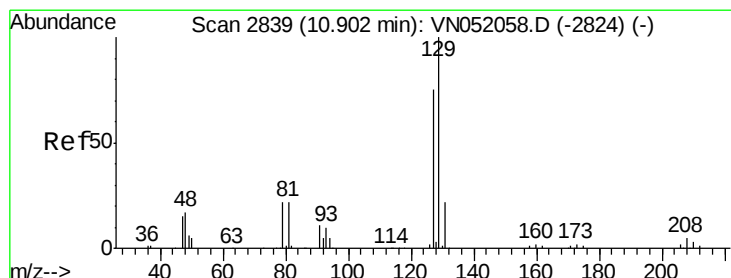
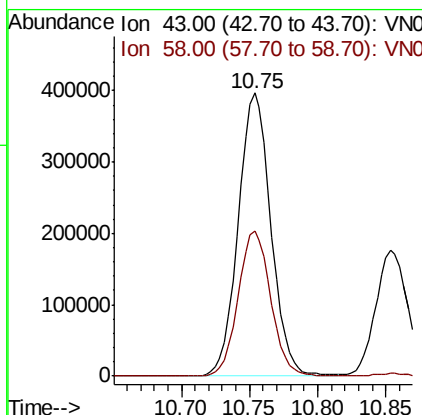
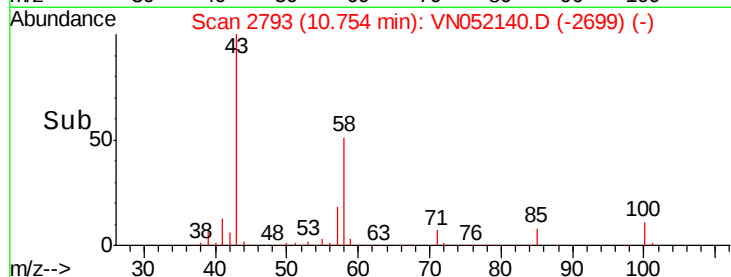
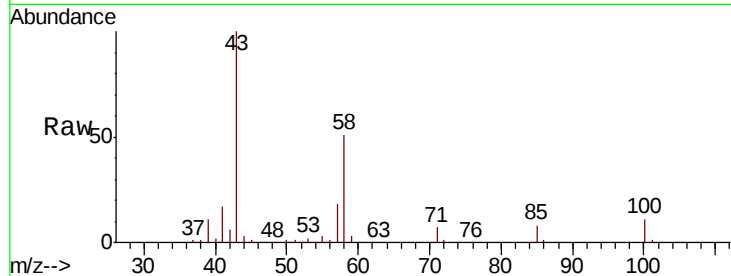
#59
2-Hexanone
Concen: 264.635 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 658278
Ion Ratio Lower Upper
43 100
58 51.1 25.2 75.6

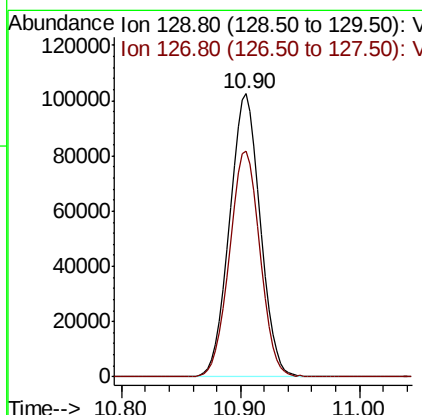
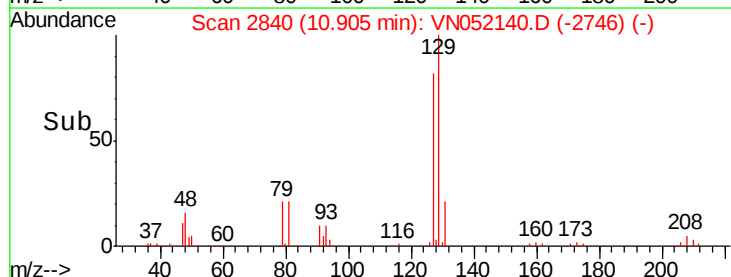
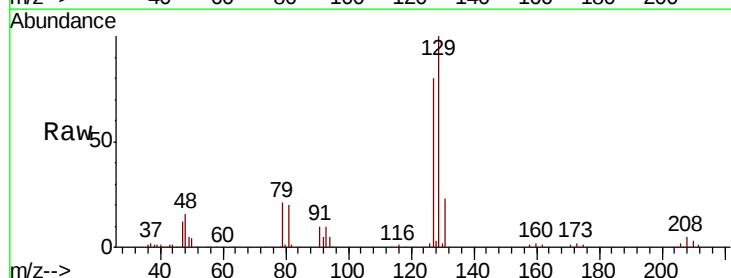
Manual Integrations
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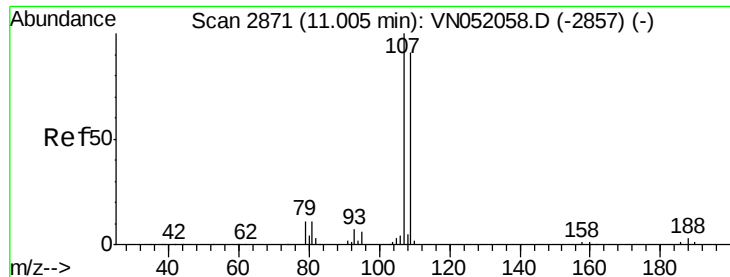
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#60
Dibromochloromethane
Concen: 55.472 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion: 129 Resp: 183210
Ion Ratio Lower Upper
129 100
127 79.5 38.5 115.5





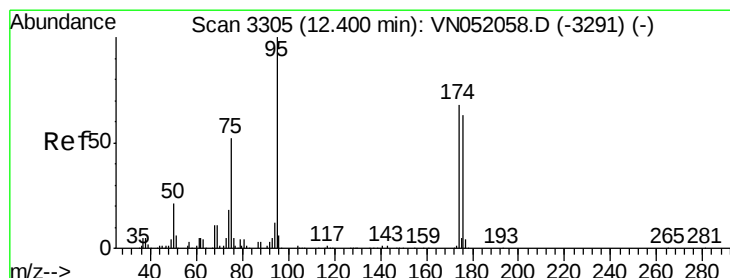
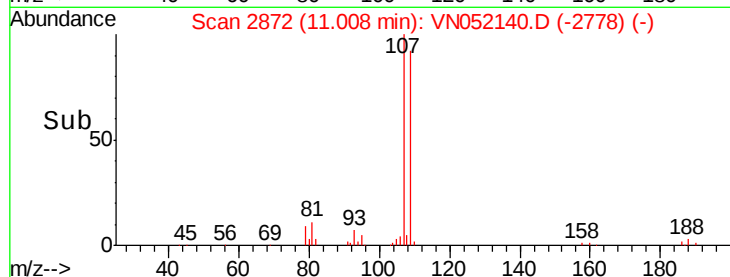
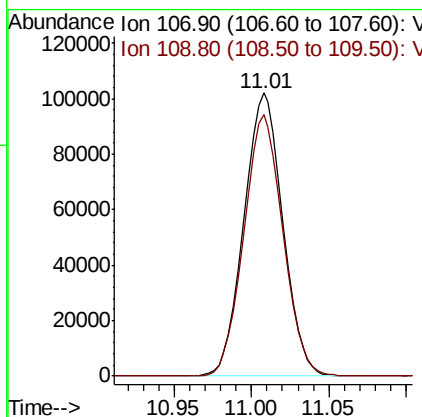
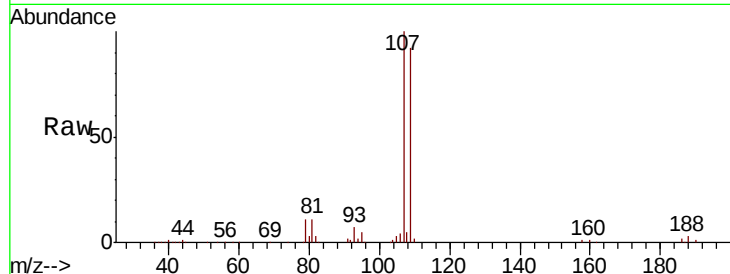
#61
 1,2-Dibromoethane
 Concen: 53.535 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.1	112.7

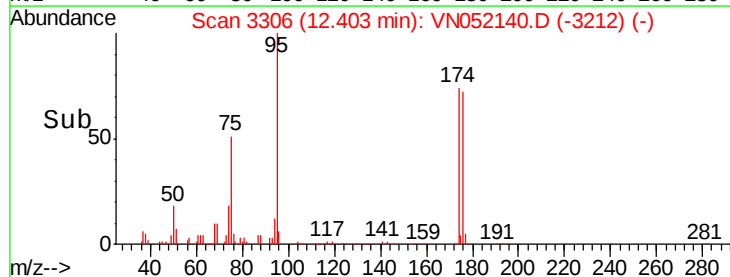
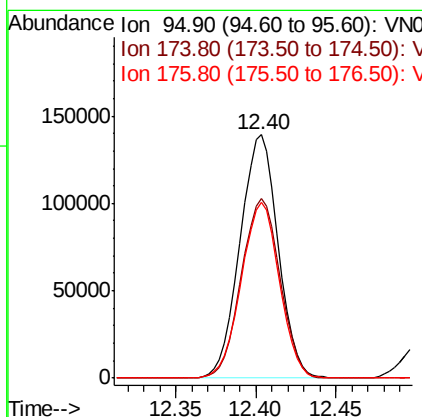
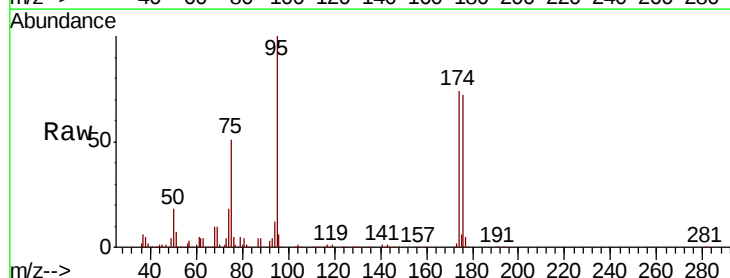
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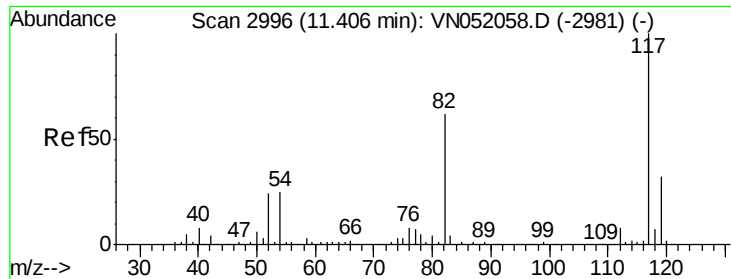
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#62
 4-Bromofluorobenzene
 Concen: 53.535 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	131.8
176	72.5	0.0	126.0





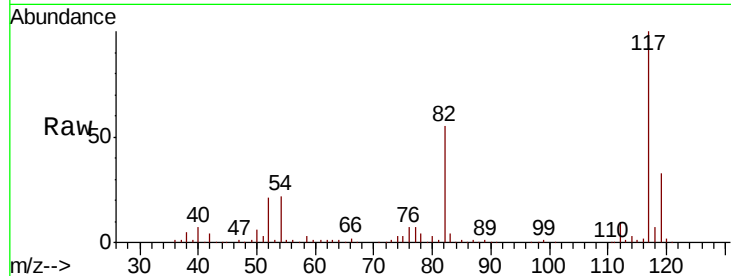
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	49.9	74.9
119	33.0	25.7	38.5

Manual Integrations
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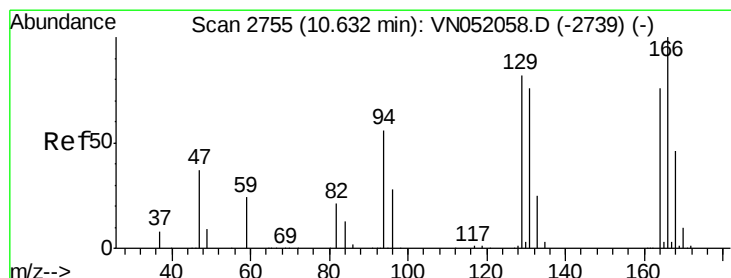
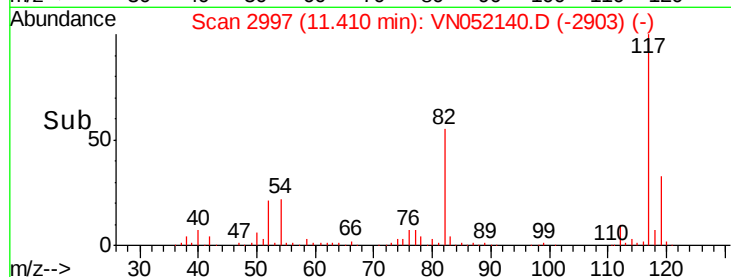
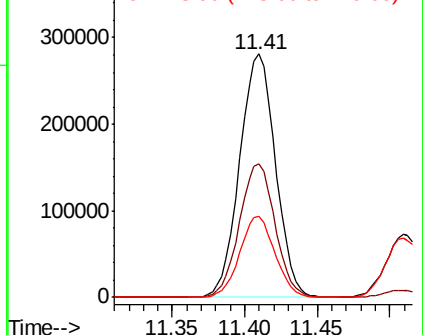


Abundance

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: 52.634 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	105.4	158.0
129	104.8	86.1	129.1
131	103.2	80.3	120.5

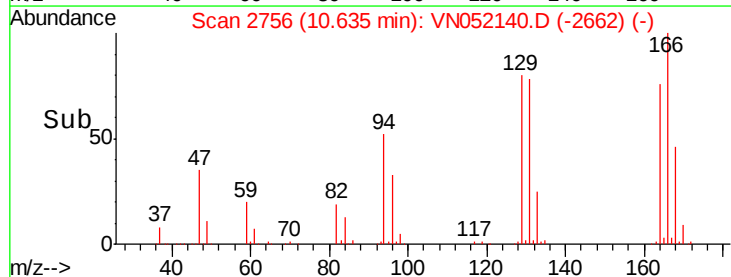
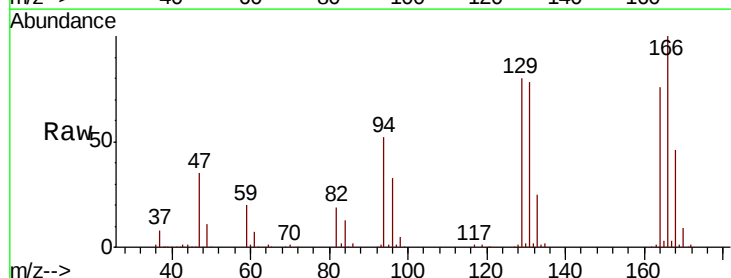
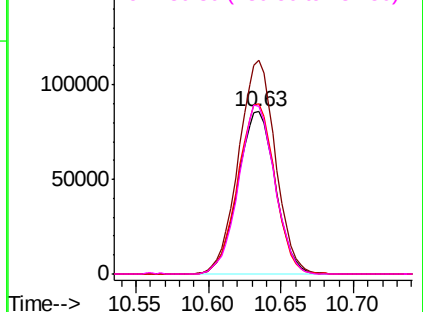
Abundance

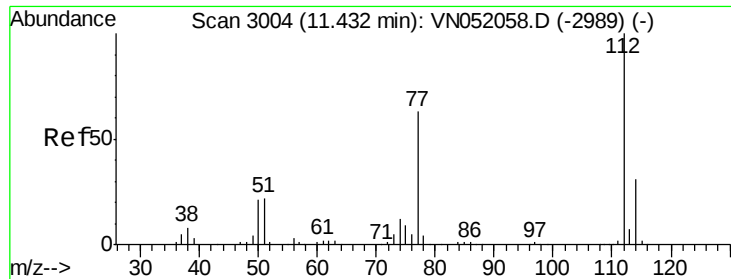
Ion 163.80 (163.50 to 164.50): V

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





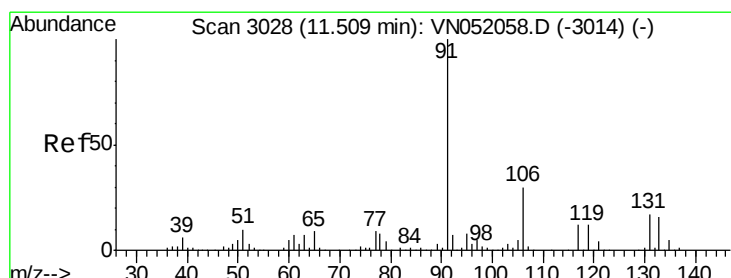
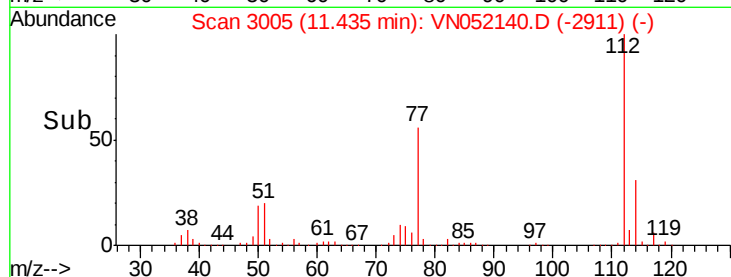
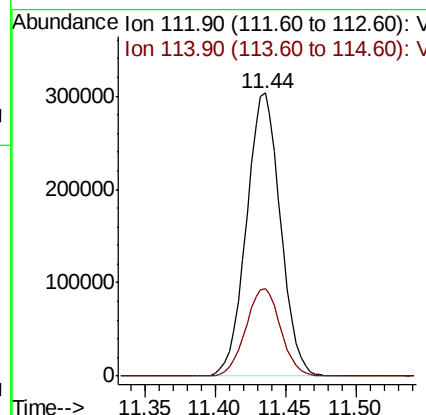
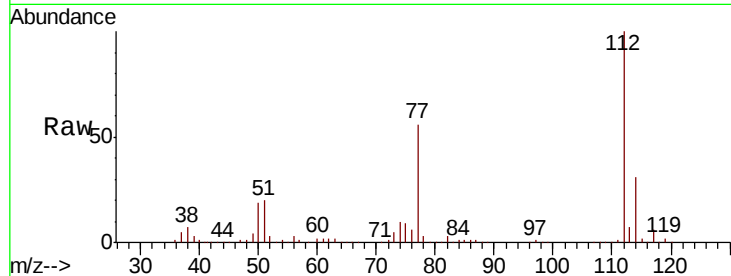
#65
Chlorobenzene
Concen: 50.250 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 512515
Ion Ratio Lower Upper
112 100
114 31.0 25.1 37.7

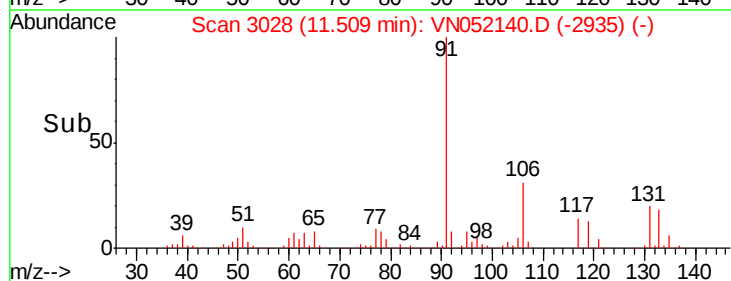
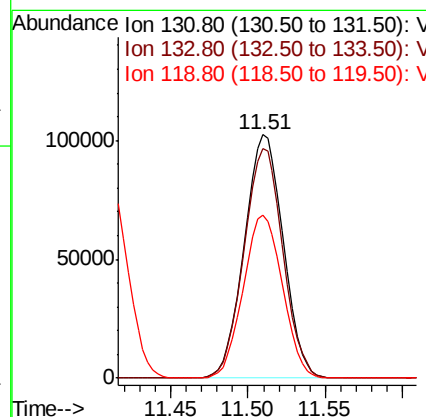
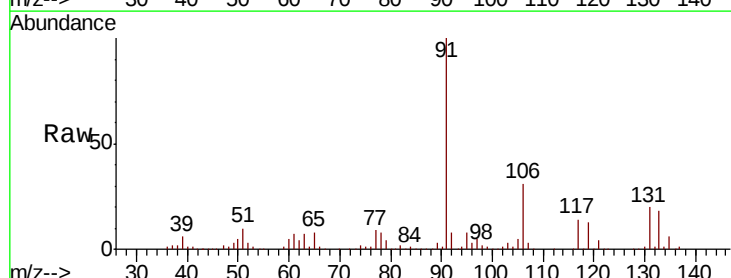
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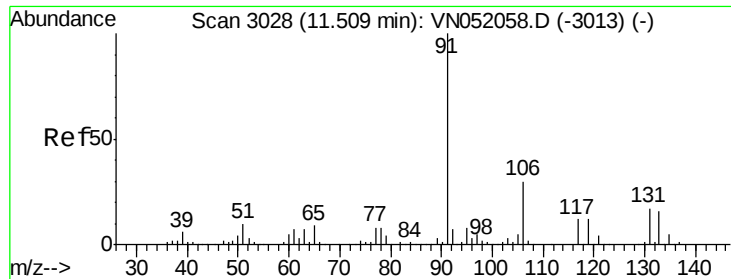
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.000 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion:131 Resp: 179343
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 67.4 34.4 103.2





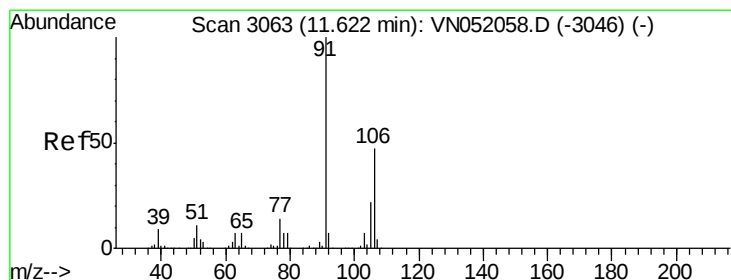
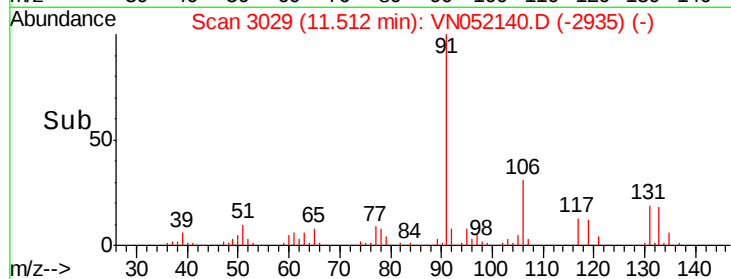
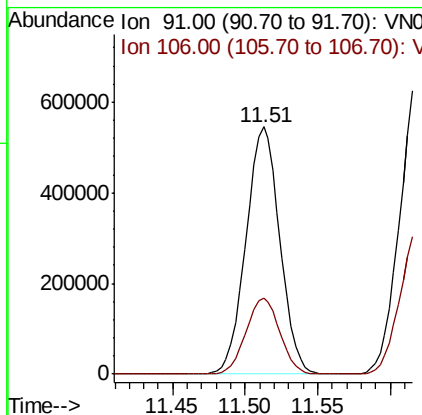
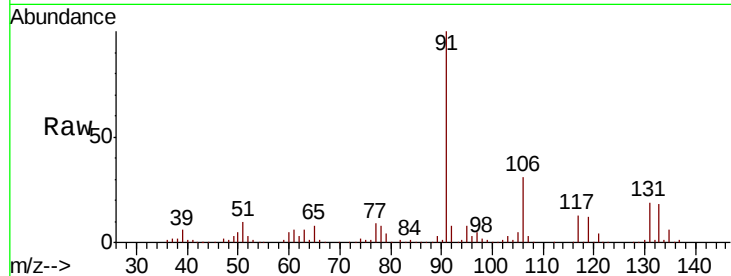
#67
Ethyl Benzene
Concen: 48.630 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 884503
Ion Ratio Lower Upper
91 100
106 30.8 24.1 36.1

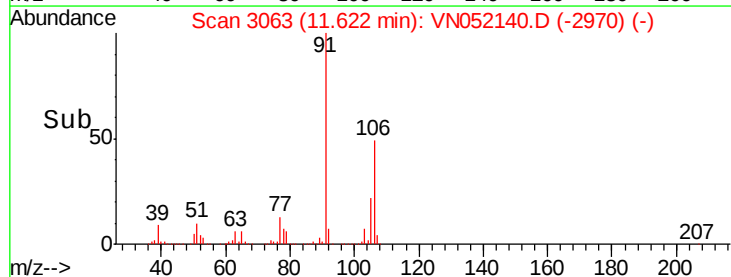
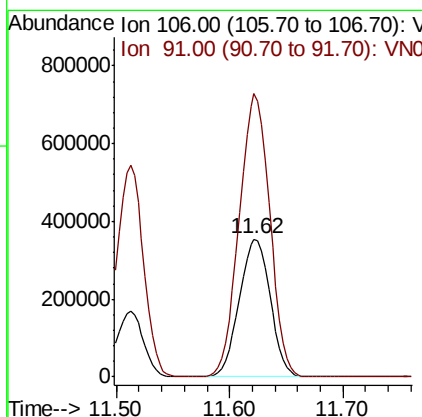
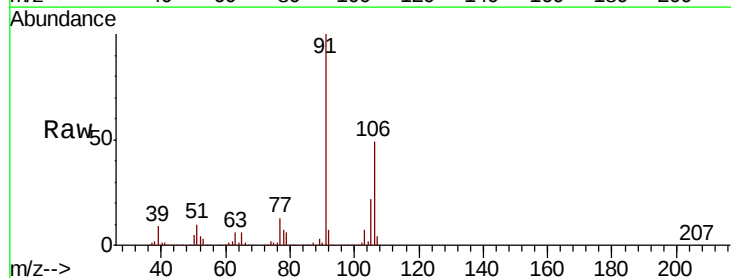
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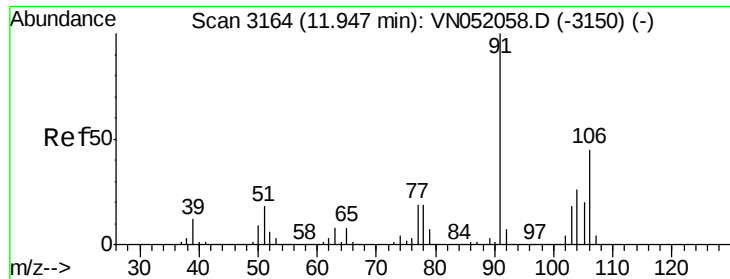
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#68
m/p-Xylenes
Concen: 104.071 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion: 106 Resp: 677524
Ion Ratio Lower Upper
106 100
91 202.7 168.7 253.1





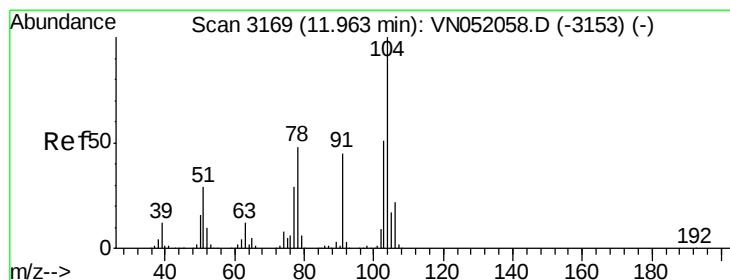
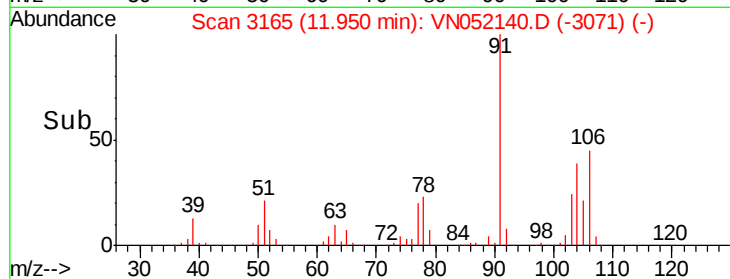
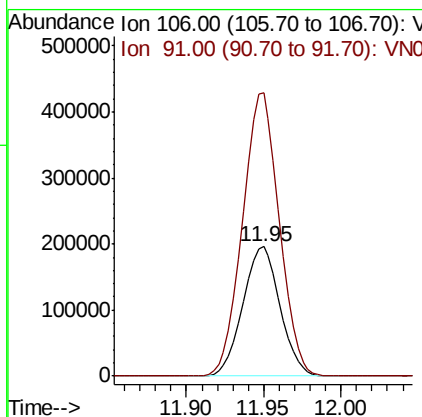
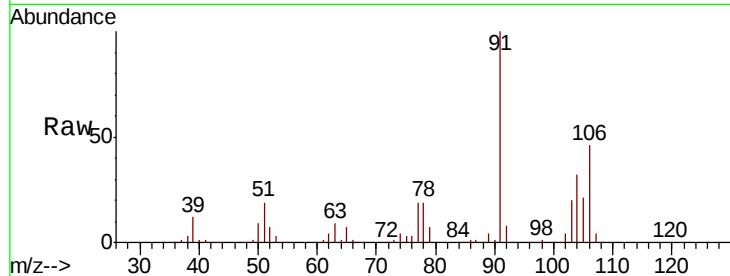
#69
o-Xylene
Concen: 50.911 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.3	109.6	328.6	

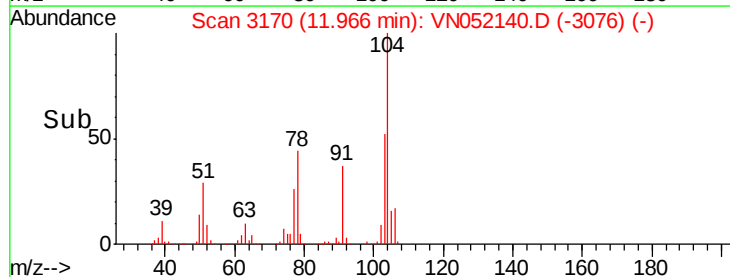
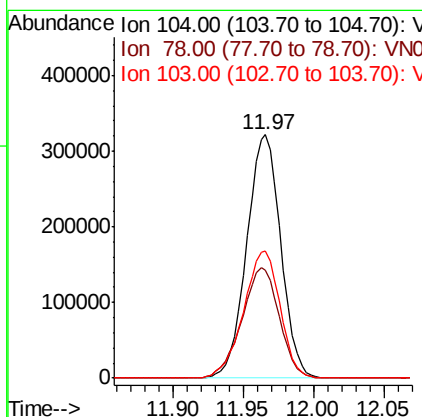
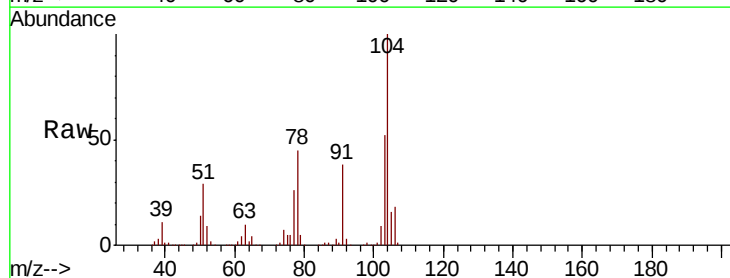
Manual Integrations
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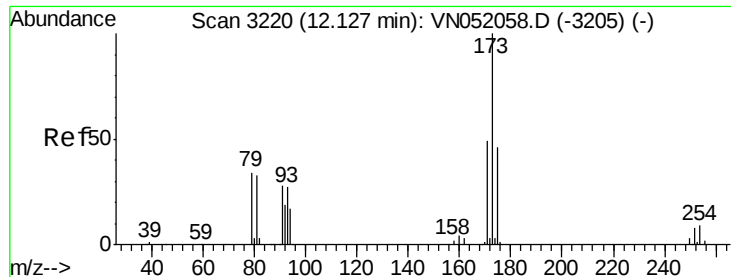
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#70
Styrene
Concen: 52.206 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	43.0	64.6	
103	56.1	45.1	67.7	





#71

Bromoform

Concen: 54.778 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 113185

Ion Ratio Lower Upper

173 100

175 48.5 23.9 71.7

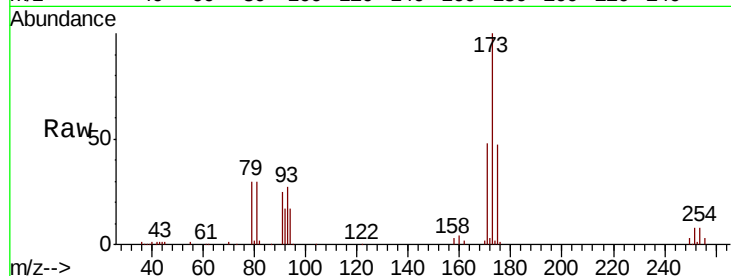
254 0.0 0.0 0.0

Manual Integrations

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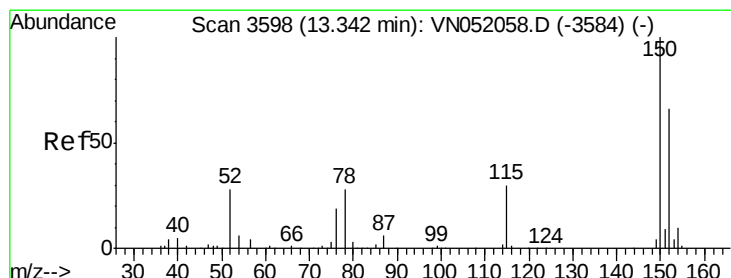
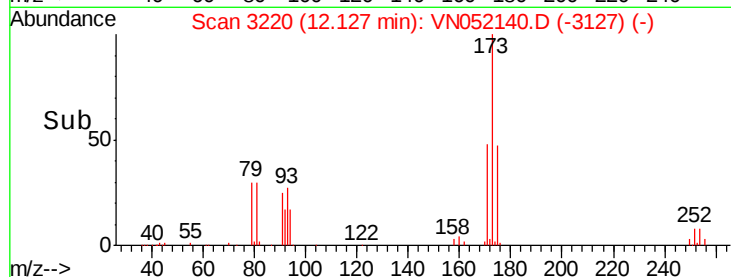
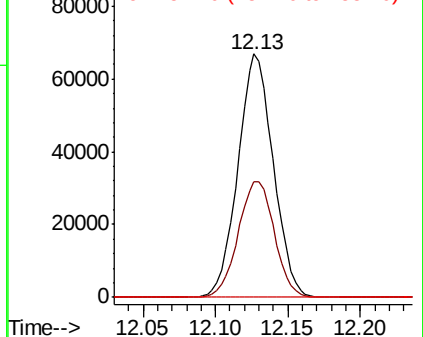
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN052140.D

Acq: 2 Nov 2018 20:12

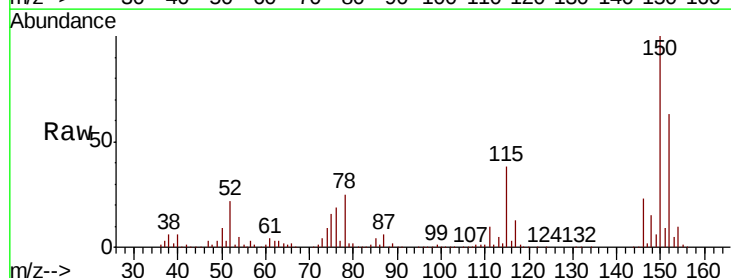
Tgt Ion:152 Resp: 220237

Ion Ratio Lower Upper

152 100

115 60.6 31.6 95.0

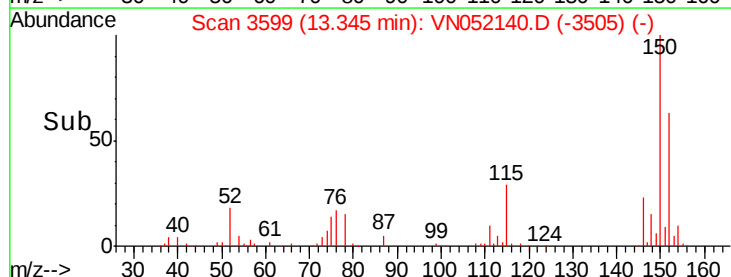
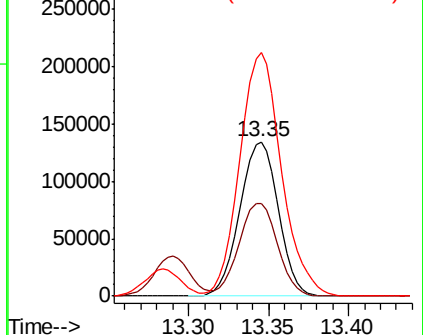
150 171.1 0.0 345.0

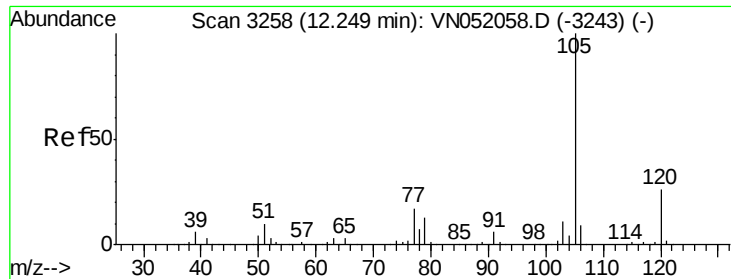


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.216 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 870406

Ion Ratio Lower Upper

105 100

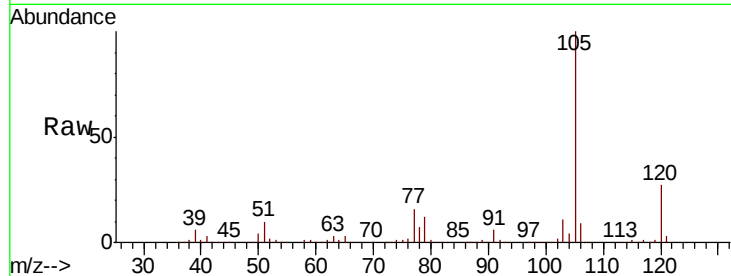
120 26.7 12.8 38.4

Manual Integrations

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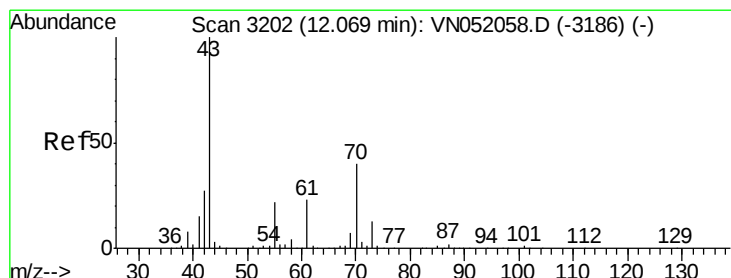
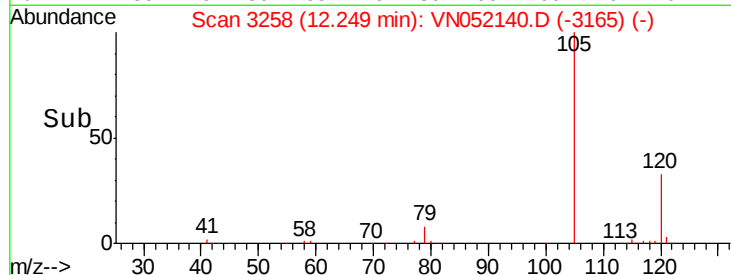
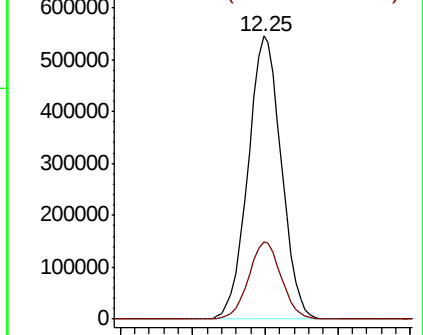
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.106 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion: 43 Resp: 309612

Ion Ratio Lower Upper

43 100

70 38.4 31.9 47.9

55 22.4 18.4 27.6

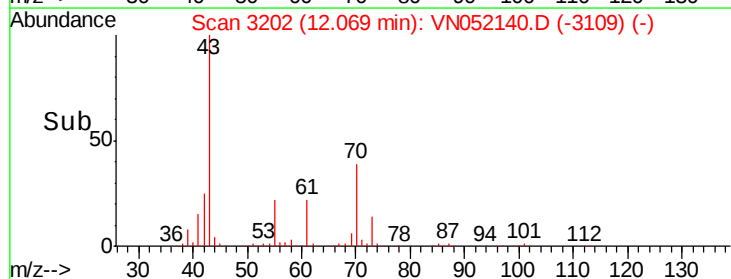
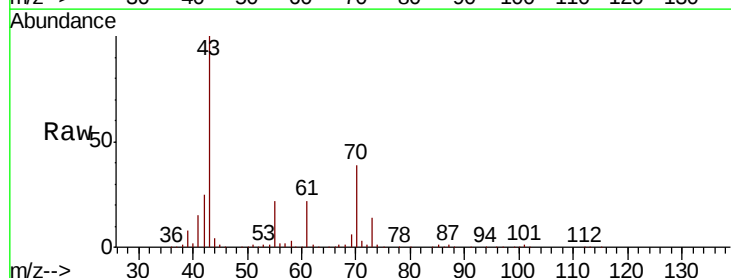
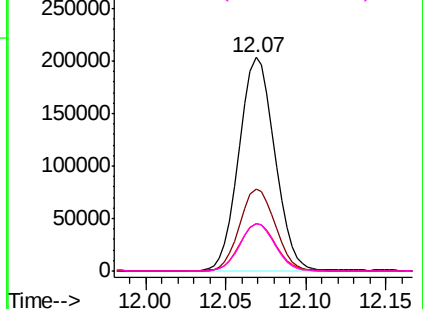
61 21.9 18.2 27.4

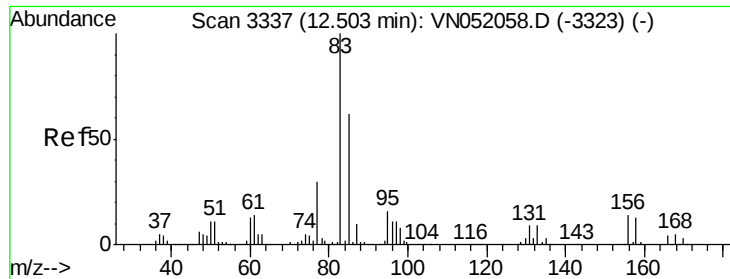
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.864 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

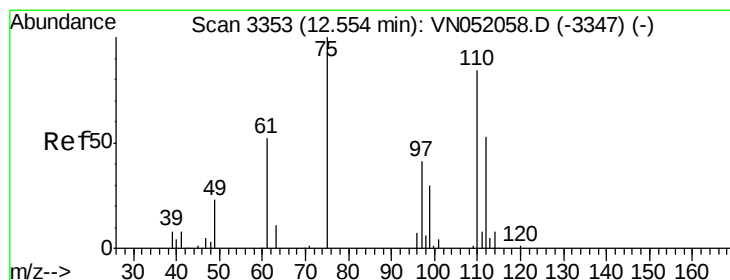
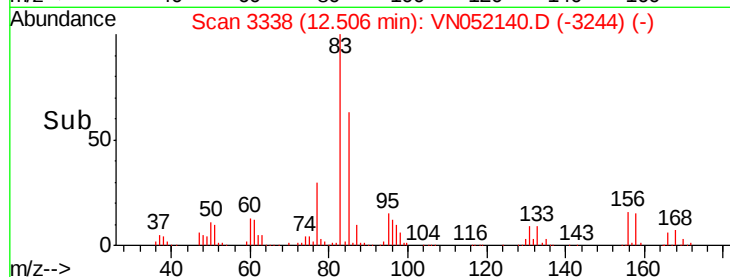
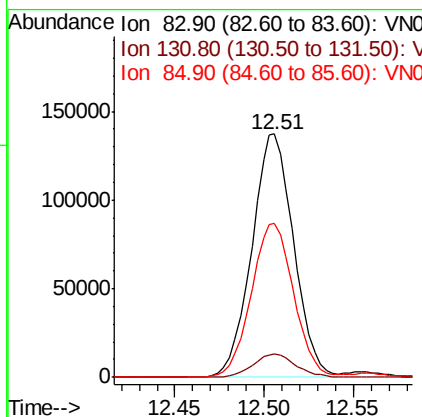
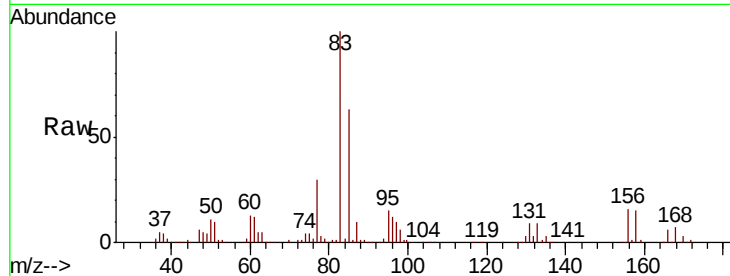
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	225192
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.5	13.4
85	64.0	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.604 ug/l m

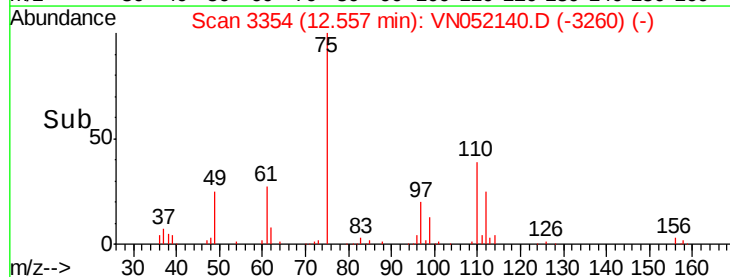
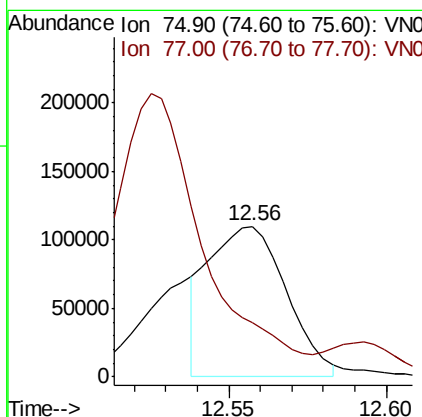
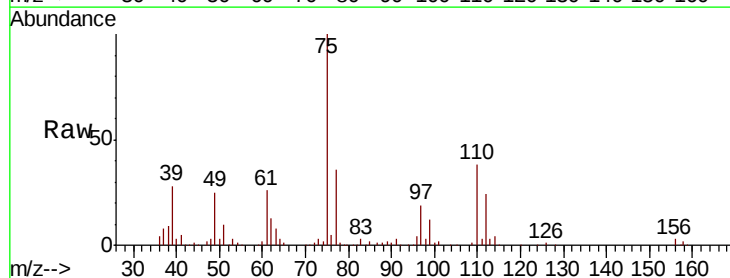
RT: 12.56 min Scan# 3354

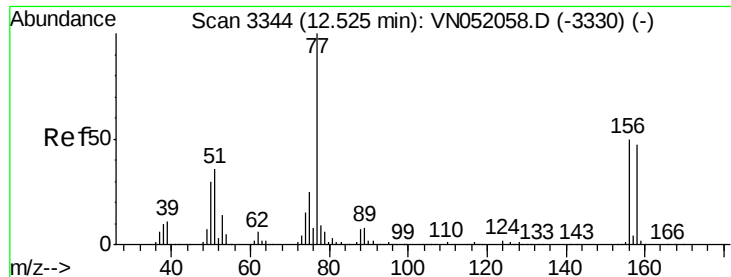
Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	75	Resp:	187887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.248 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

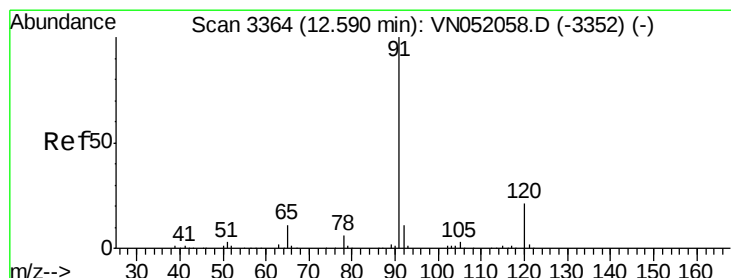
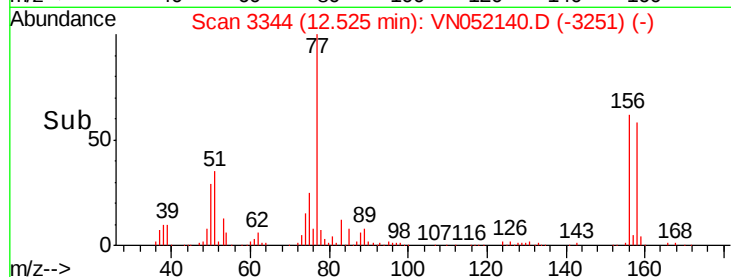
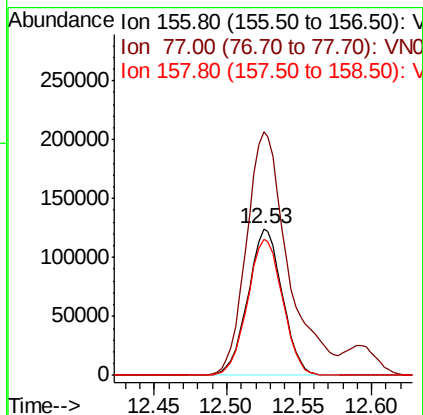
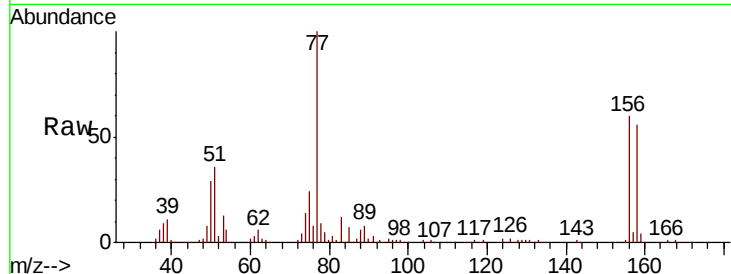
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	205882
Ion Ratio	Lower	Upper	
156	100		
77	200.8	119.6	358.6
158	94.3	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 44.683 ug/l

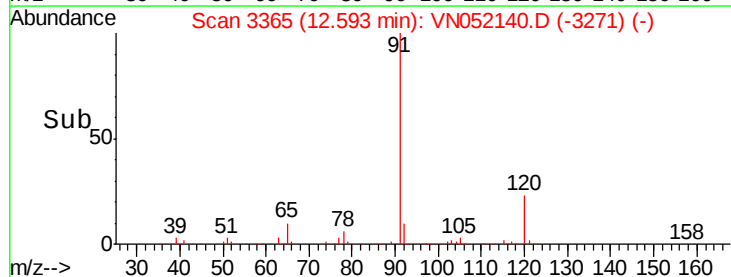
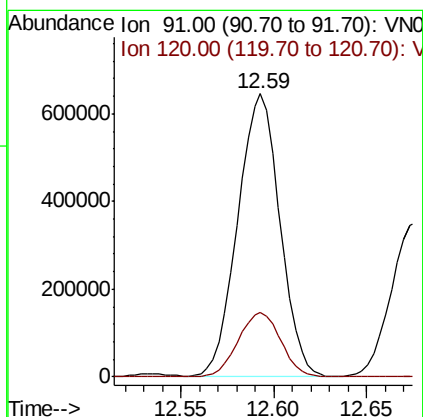
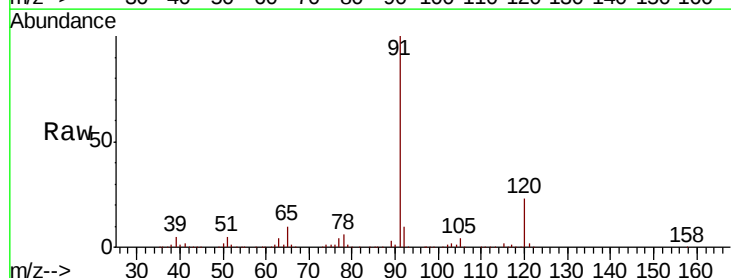
RT: 12.59 min Scan# 3365

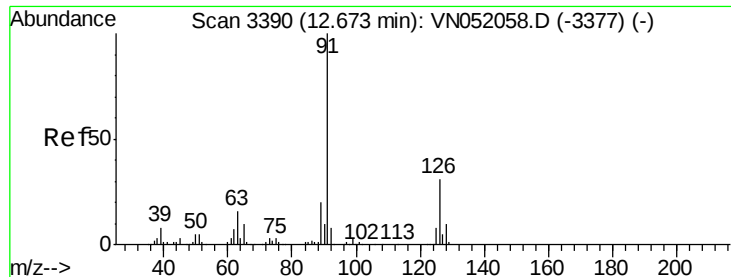
Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	91	Resp:	1019698
Ion Ratio	Lower	Upper	
91	100		
120	23.1	10.8	32.4





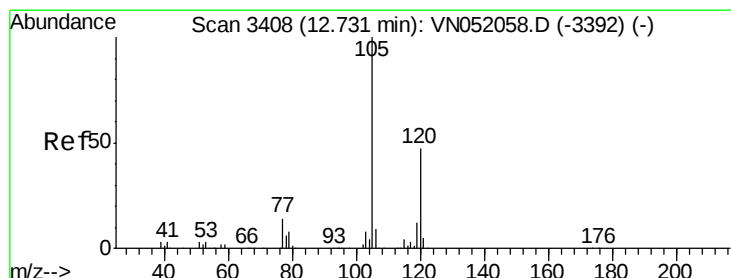
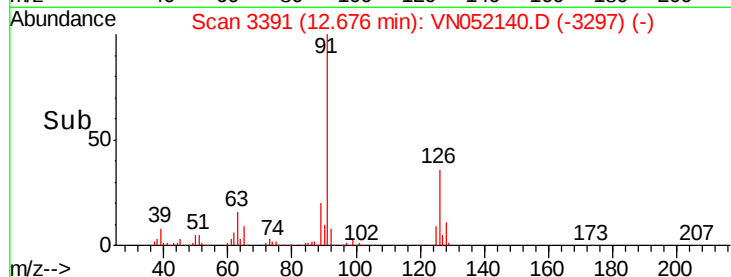
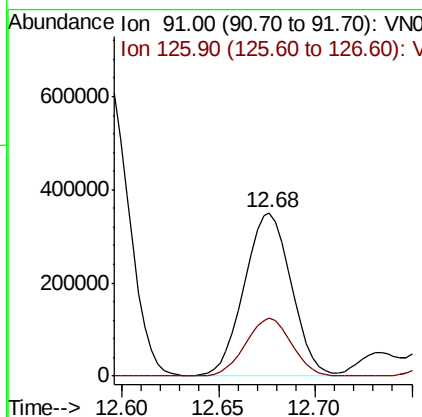
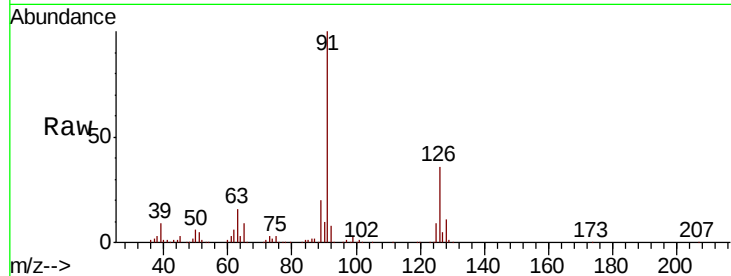
#79
2-Chlorotoluene
Concen: 44.527 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 592354
Ion Ratio Lower Upper
91 100
126 35.0 15.9 47.6

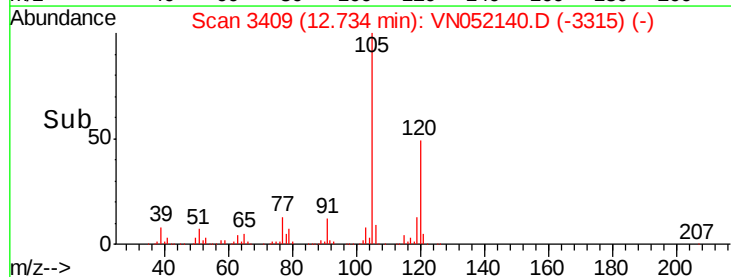
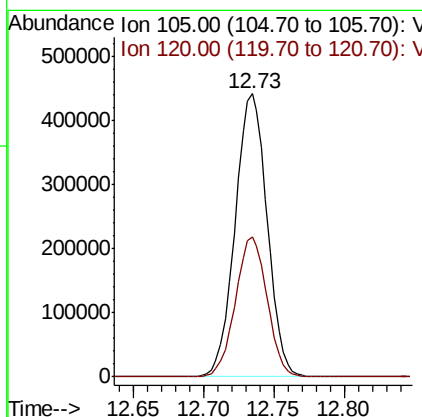
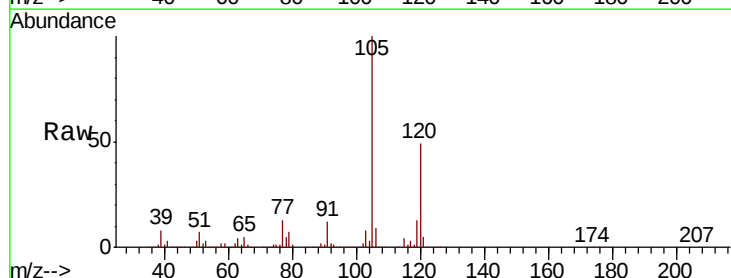
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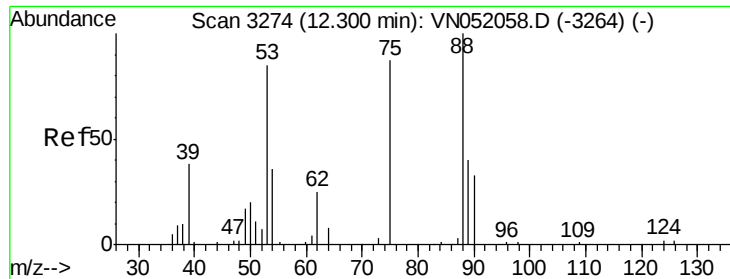
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#80
1,3,5-Trimethylbenzene
Concen: 45.843 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion: 105 Resp: 702590
Ion Ratio Lower Upper
105 100
120 49.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.303 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

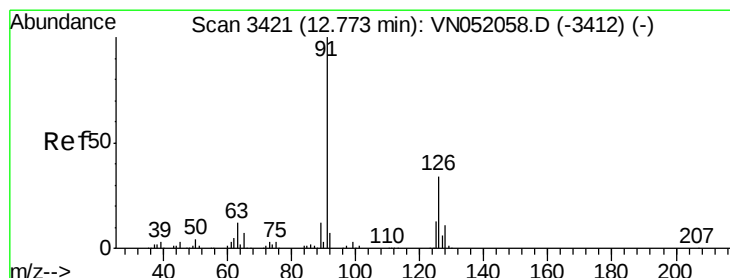
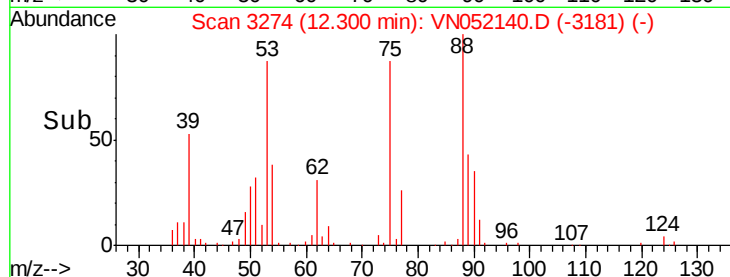
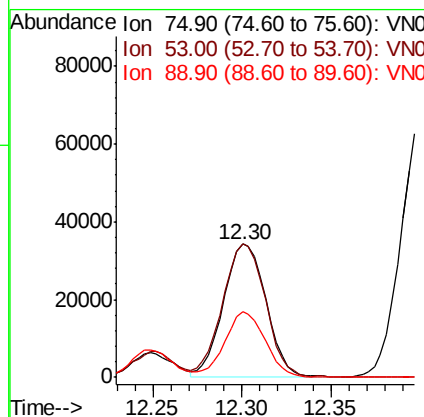
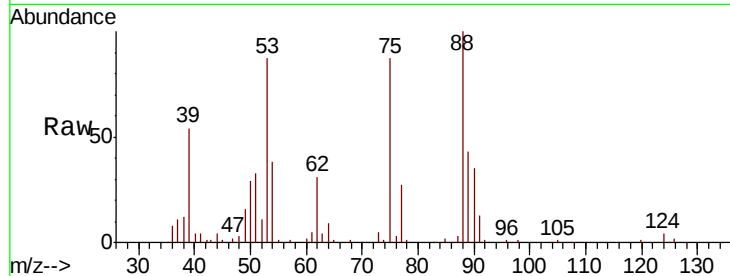
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	57455
Ion	Ratio	Lower	Upper
75	100		
53	99.8	81.8	122.6
89	46.1	36.6	54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 45.258 ug/l

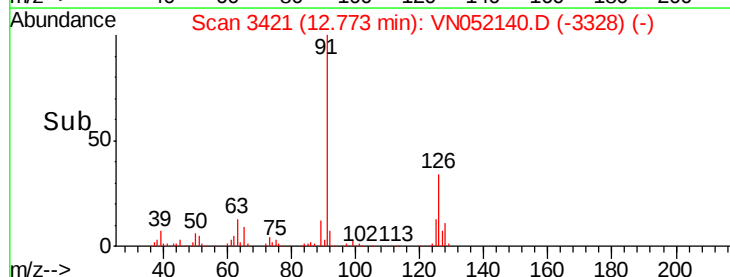
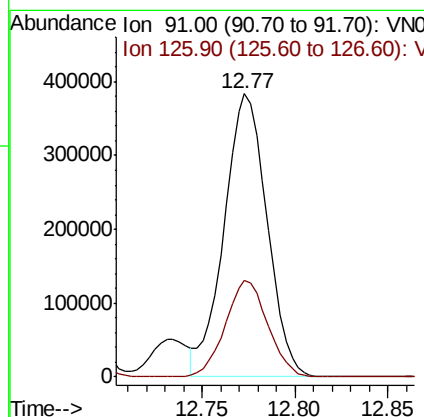
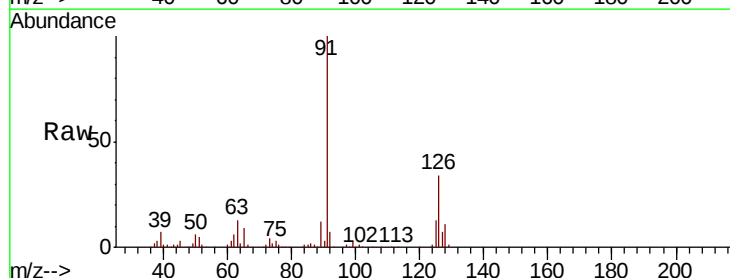
RT: 12.77 min Scan# 3421

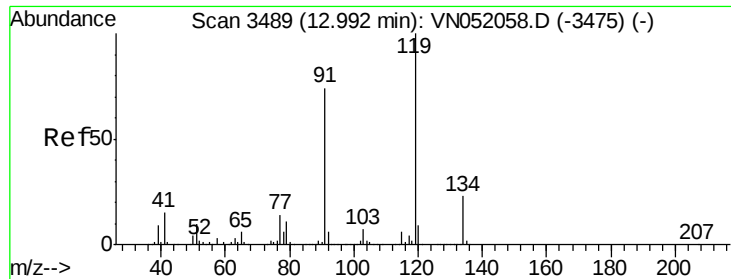
Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	91	Resp:	613961
Ion	Ratio	Lower	Upper
91	100		
126	33.8	15.7	47.1





#83

tert-Butylbenzene

Concen: 47.887 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

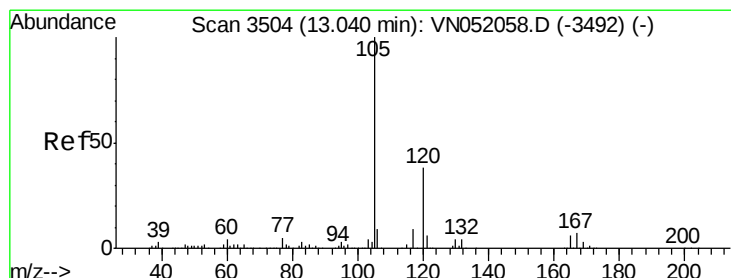
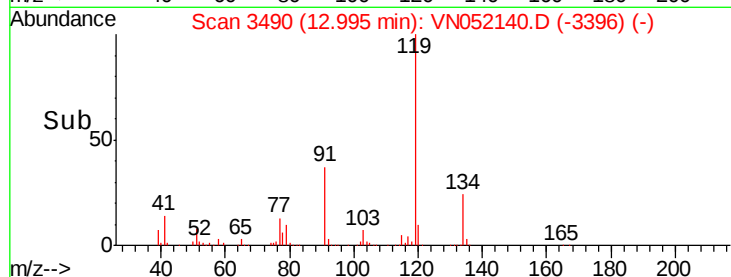
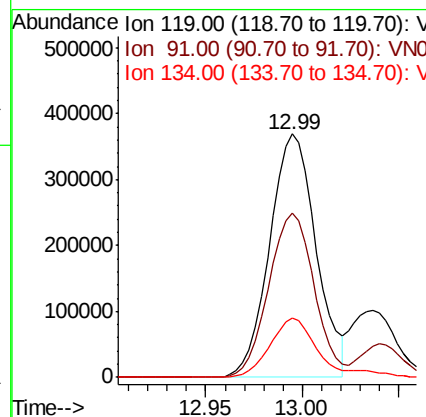
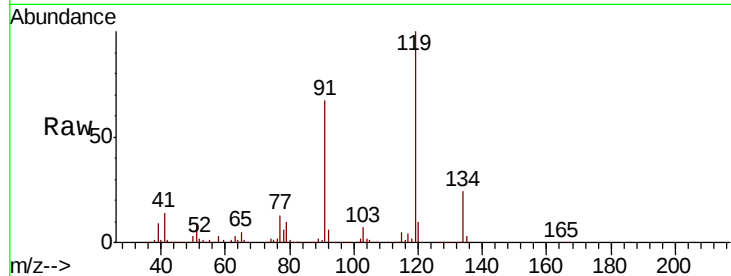
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	616516
Ion Ratio	Lower	Upper	
119	100		
91	66.4	36.6	109.9
134	23.6	12.5	37.5

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 46.727 ug/l

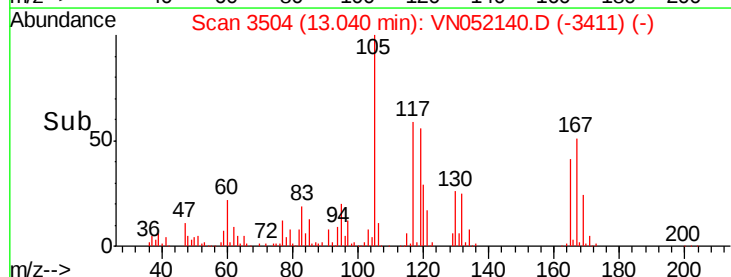
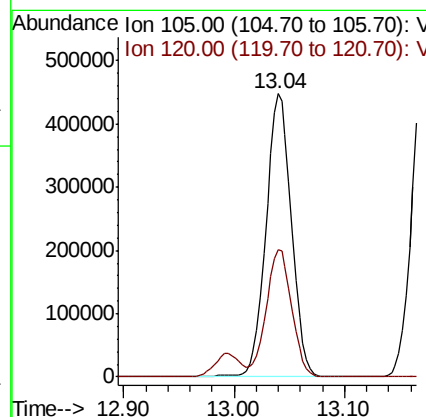
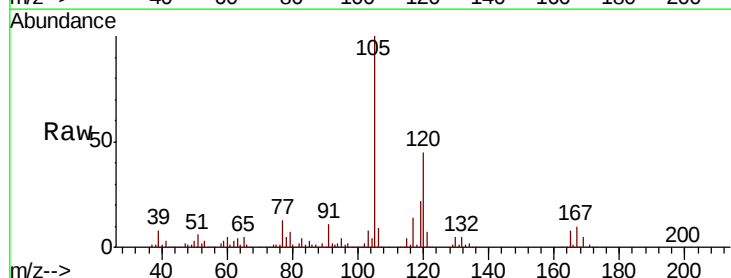
RT: 13.04 min Scan# 3504

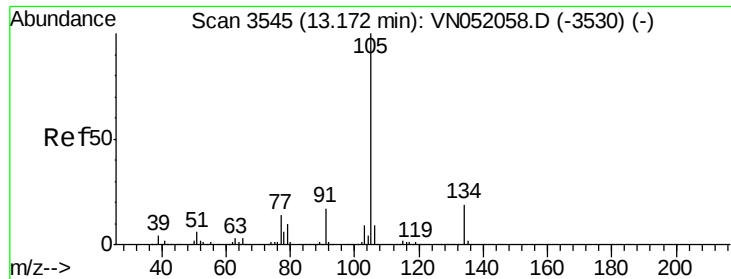
Delta R.T. -0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	105	Resp:	712817
Ion Ratio	Lower	Upper	
105	100		
120	45.2	21.9	65.5





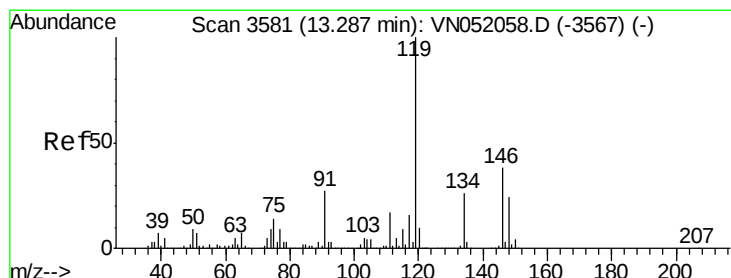
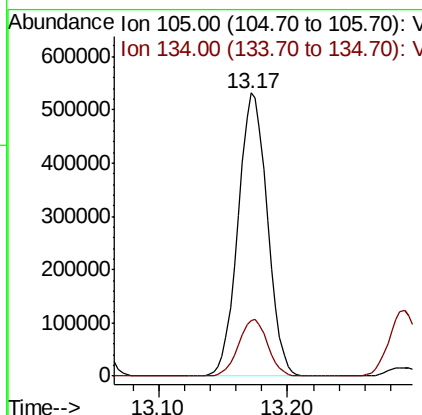
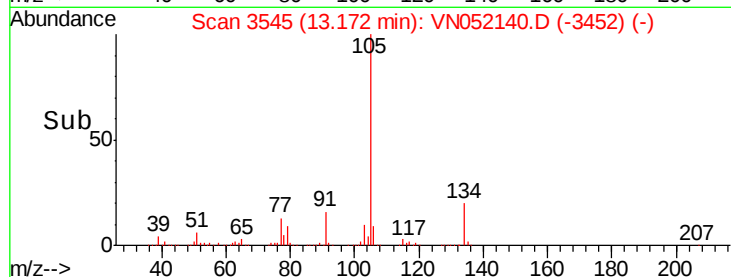
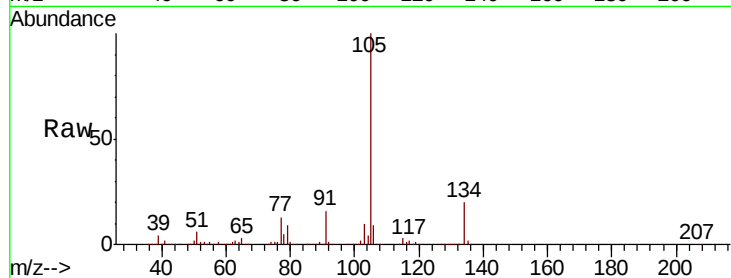
#85
 sec-Butylbenzene
 Concen: 45.568 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.1	27.3

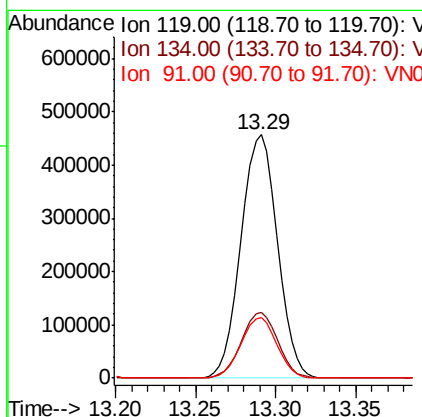
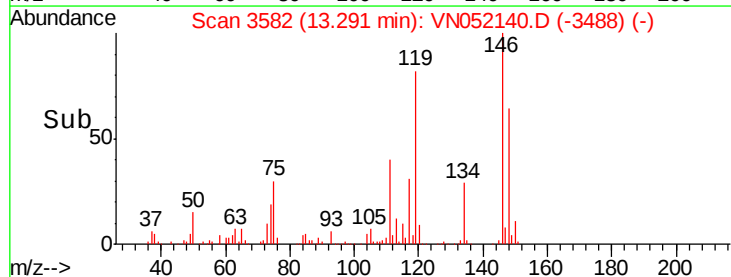
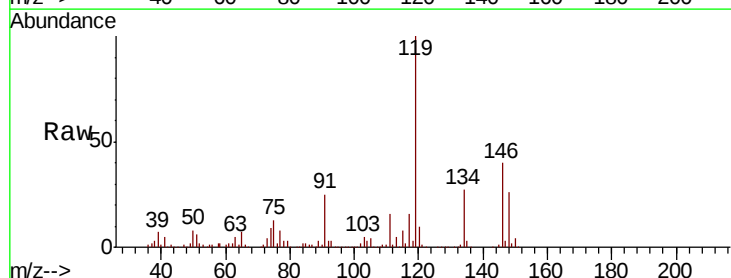
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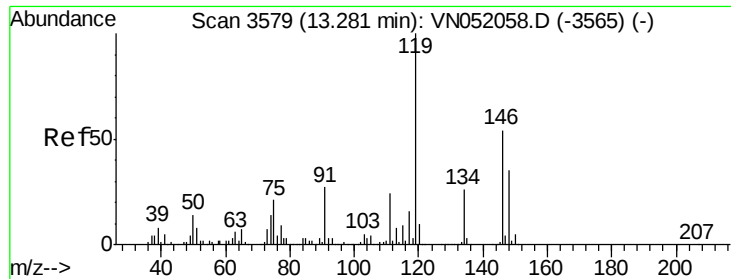
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#86
 p-Isopropyltoluene
 Concen: 47.430 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.8	38.3
91	24.7	13.4	40.2





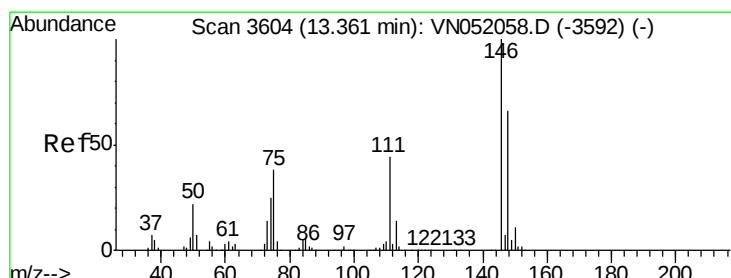
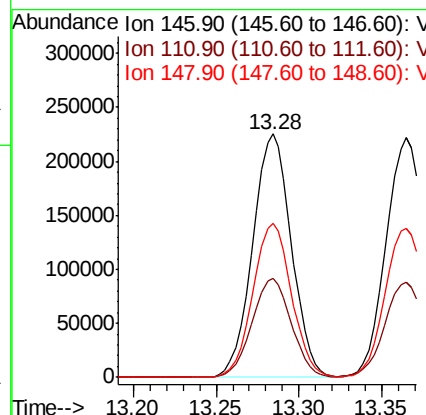
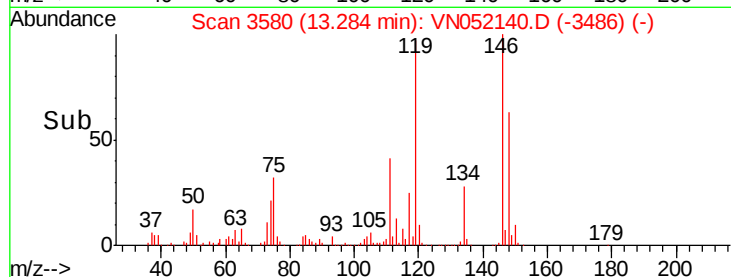
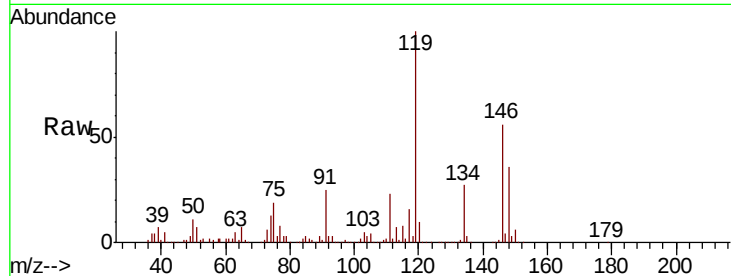
#87
 1,3-Dichlorobenzene
 Concen: 50.716 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.9	68.8
148	63.1	31.8	95.4

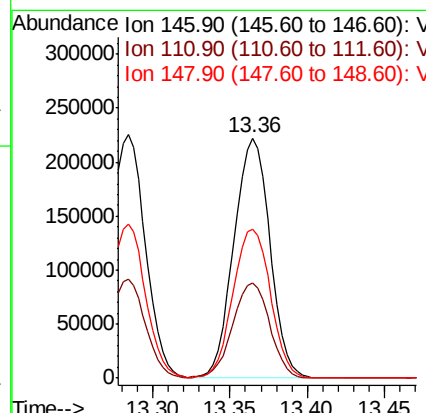
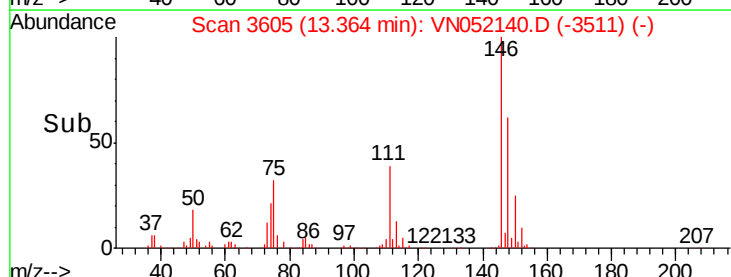
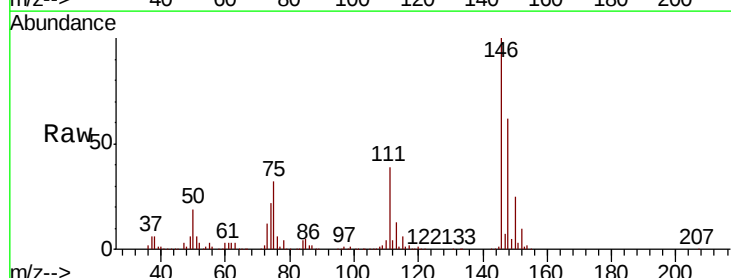
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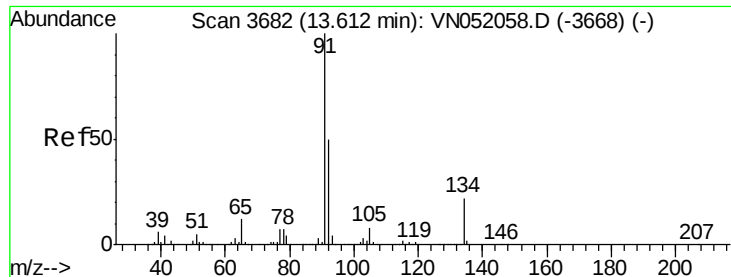
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 11/5/2018 11:53:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.980 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.9	65.8
148	64.3	32.6	98.0





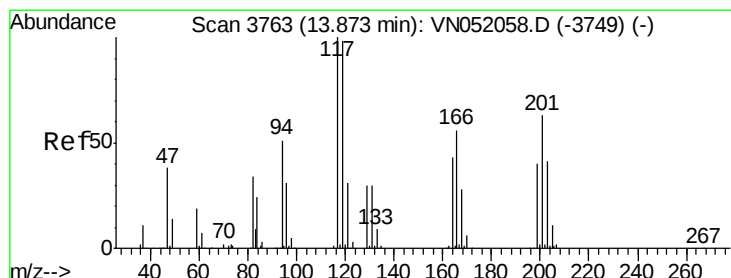
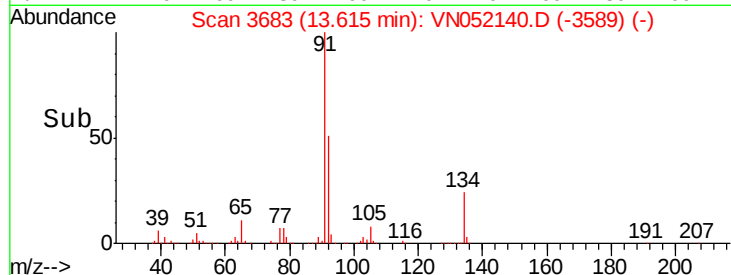
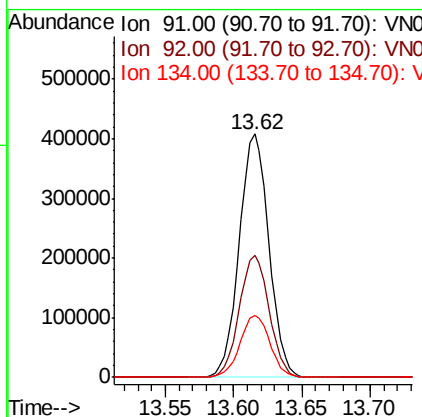
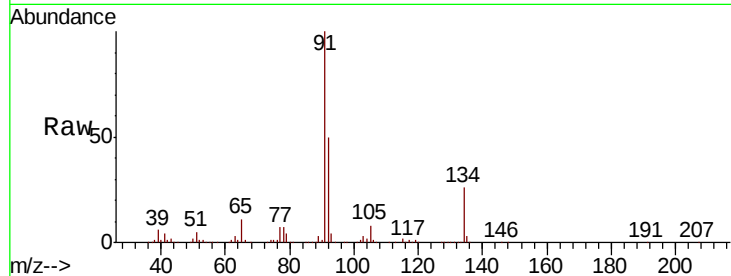
#89
n-Butylbenzene
Concen: 43.102 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.3	75.8
134	25.7	11.2	33.5

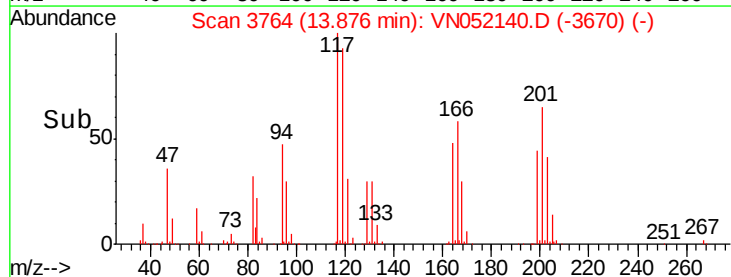
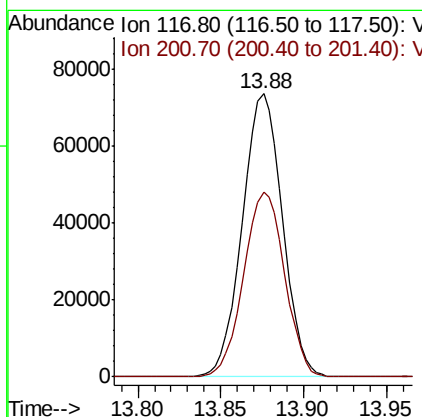
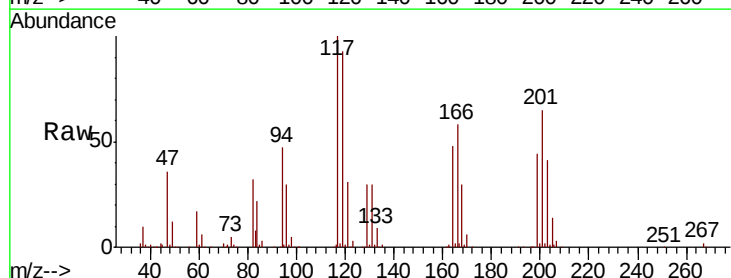
Manual Integrations
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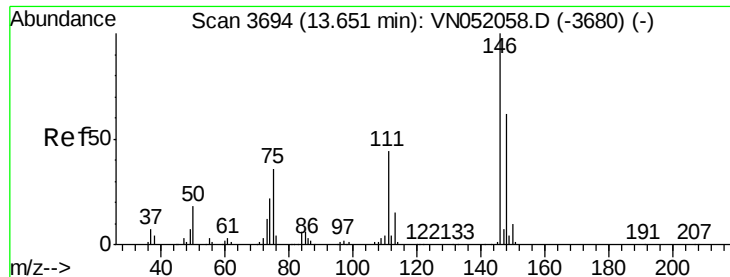
MMDadoda
11/5/2018 11:53:28 AM



#90
Hexachloroethane
Concen: 48.274 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052140.D
Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.4	31.1	93.5





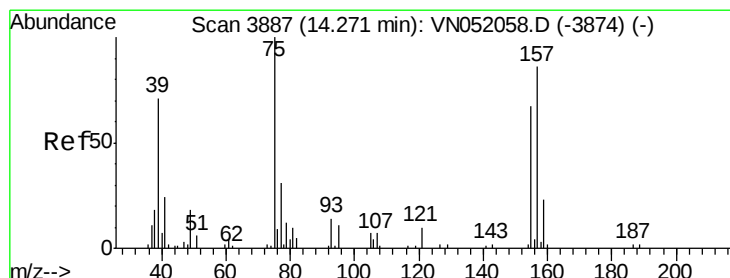
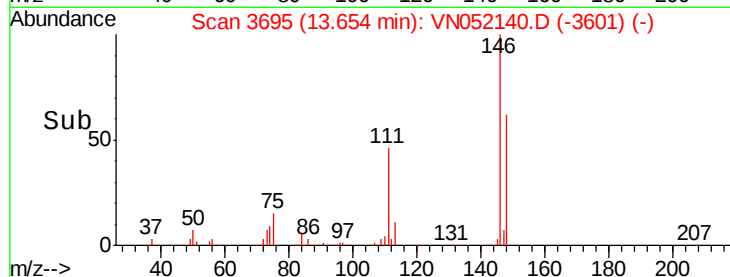
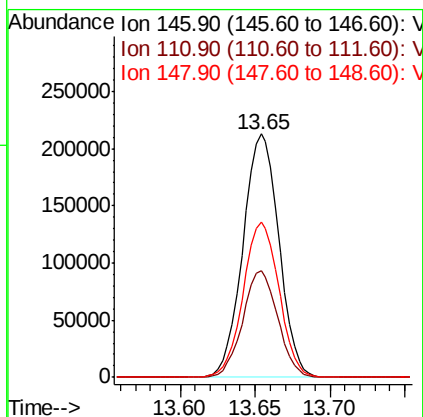
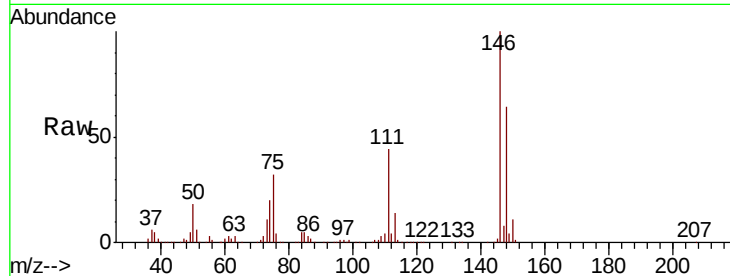
#91
 1,2-Dichlorobenzene
 Concen: 52.698 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.5	67.5
148	63.6	30.9	92.8

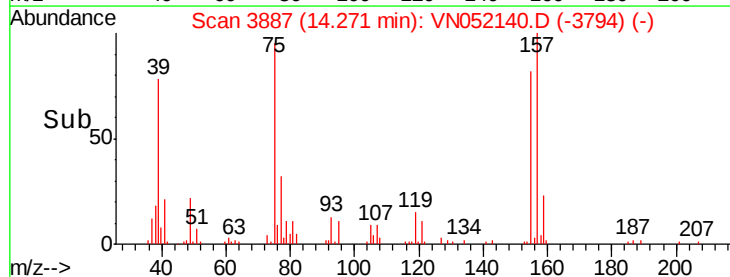
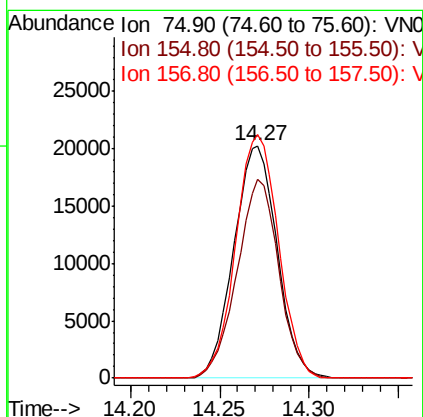
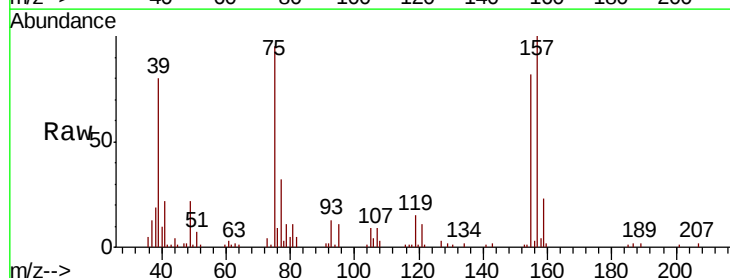
Manual Integrations
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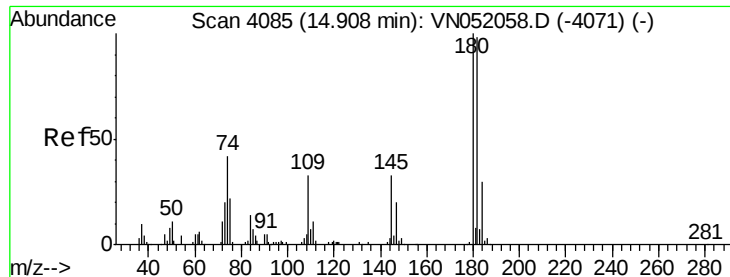
MMDadoda
 11/5/2018 11:53:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.573 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	34.0	102.0
157	103.5	42.1	126.4





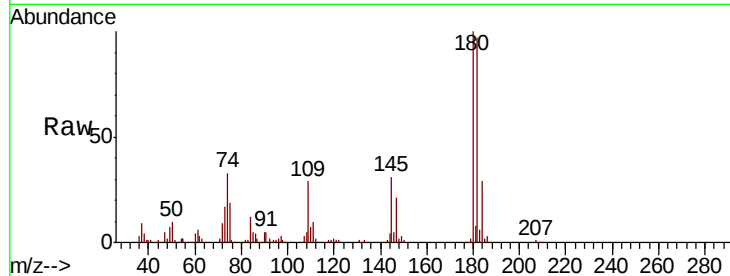
#93
 1,2,4-Trichlorobenzene
 Concen: 59.841 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

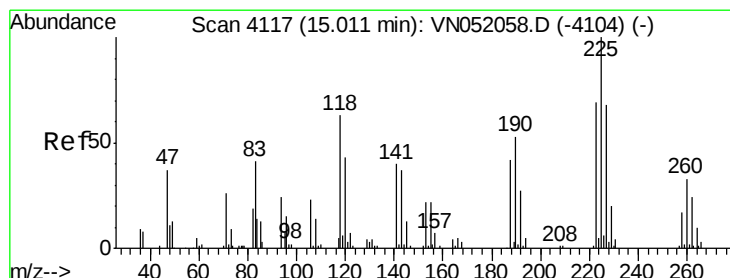
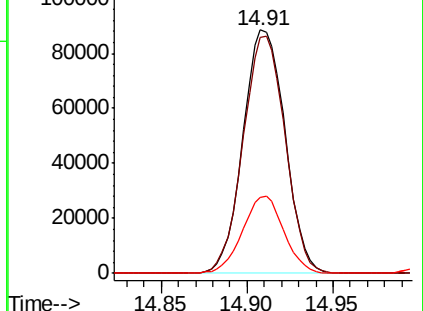
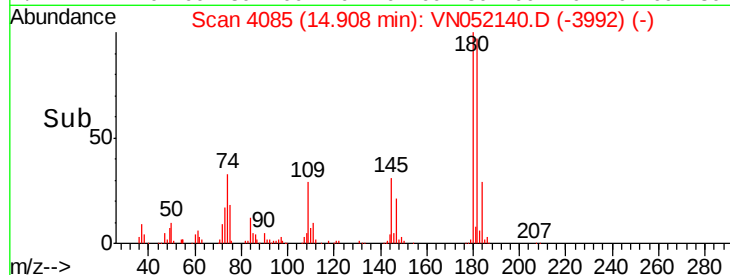
Tot Ion:	180	Resp:	150553
Ion Ratio	Lower	Upper	
180	100		
182	97.2	49.1	147.4
145	31.3	16.4	49.2

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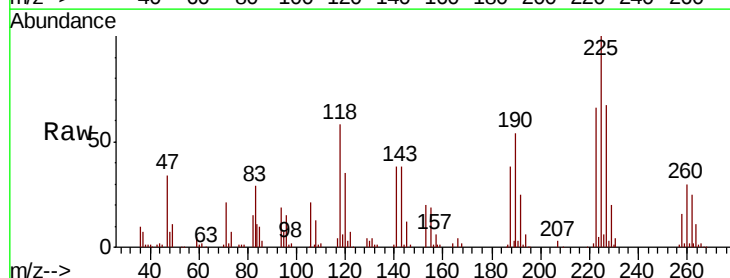


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

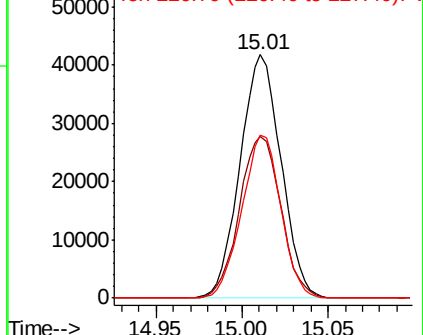
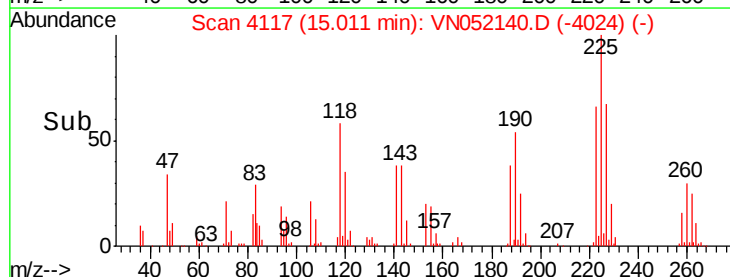


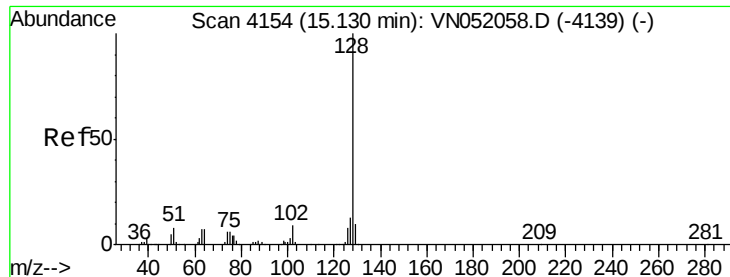
#94
 Hexachlorobutadiene
 Concen: 49.083 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052140.D
 Acq: 2 Nov 2018 20:12

Tgt Ion:	225	Resp:	69115
Ion Ratio	Lower	Upper	
225	100		
223	66.9	33.1	99.3
227	63.7	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: 64.720 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Instrument :

MSVOA_N

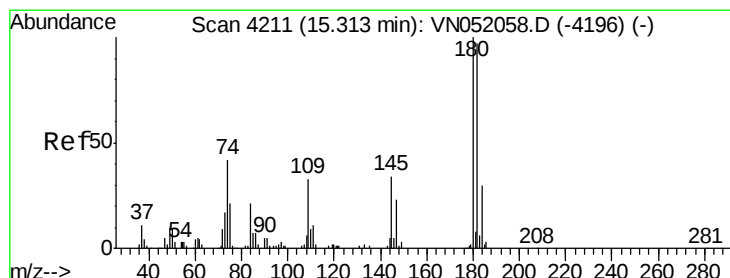
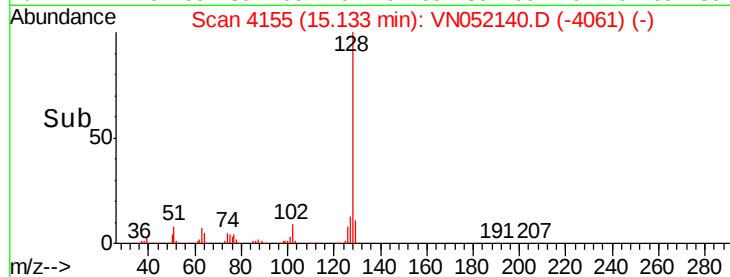
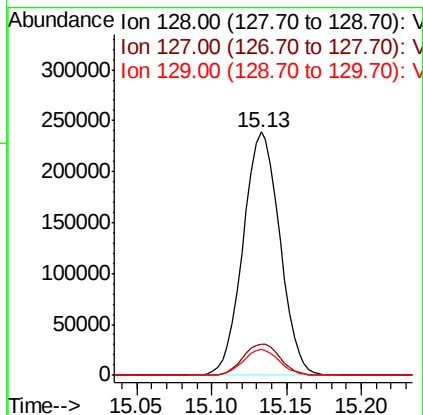
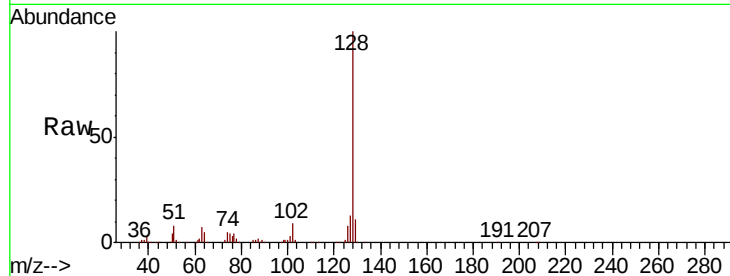
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	408411
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 63.272 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052140.D

Acq: 2 Nov 2018 20:12

Tgt Ion:	180	Resp:	137369
Ion Ratio	Lower	Upper	
180	100		
182	90.9	47.2	141.6
145	32.5	16.6	49.7

