

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060143.D
 Acq On : 19 Feb 2020 9:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:17 AM

Quant Time: Feb 20 01:25:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	299714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144876	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112588	47.84	ug/l	0.00
Spiked Amount						
			Recovery	=	95.68%	
35) Dibromofluoromethane	7.56	113	91179	49.49	ug/l	0.00
Spiked Amount						
			Recovery	=	98.98%	
50) Toluene-d8	10.08	98	359706	49.58	ug/l	0.00
Spiked Amount						
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	133737	50.17	ug/l	0.00
Spiked Amount						
			Recovery	=	100.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	92442	47.818	ug/l	99
3) Chloromethane	2.04	50	105166	45.712	ug/l	100
4) Vinyl Chloride	2.17	62	121426	46.305	ug/l	99
5) Bromomethane	2.54	94	72855	45.310	ug/l	99
6) Chloroethane	2.68	64	60698	45.764	ug/l	100
7) Trichlorofluoromethane	3.00	101	156476	46.282	ug/l	99
8) Diethyl Ether	3.38	74	53938	47.926	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88301	47.042	ug/l	99
10) Methyl Iodide	3.93	142	119944	47.669	ug/l	99
11) Tert butyl alcohol	4.73	59	81319	230.902	ug/l	99
12) 1,1-Dichloroethene	3.72	96	85206	46.597	ug/l	98
13) Acrolein	3.57	56	79125	227.300	ug/l	97
14) Allyl chloride	4.29	41	123444	45.866	ug/l	98
15) Acrylonitrile	4.94	53	209536	243.627	ug/l	100
16) Acetone	3.78	43	276295	269.148	ug/l	98
17) Carbon Disulfide	4.03	76	242606	44.017	ug/l	99
18) Methyl Acetate	4.28	43	98609	51.135	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	286331	46.562	ug/l	98
20) Methylene Chloride	4.52	84	96203	46.973	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	93594	46.954	ug/l	99
22) Diisopropyl ether	5.91	45	284985	48.315	ug/l	95
23) Vinyl Acetate	5.86	43	1203666	243.000	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169699	47.492	ug/l	100
25) 2-Butanone	6.80	43	329003	254.829	ug/l	99
26) 2,2-Dichloropropane	6.79	77	161772	47.665	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	109407	46.900	ug/l	99
28) Bromochloromethane	7.17	49	65010	46.278	ug/l	99
29) Tetrahydrofuran	7.18	42	189050	238.685	ug/l	98
30) Chloroform	7.34	83	176667	47.199	ug/l	99
31) Cyclohexane	7.63	56	152868	45.926	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	160319	46.870	ug/l	100
36) 1,1-Dichloropropene	7.77	75	133531	48.101	ug/l	99
37) Ethyl Acetate	6.89	43	122233	48.719	ug/l	99
38) Carbon Tetrachloride	7.75	117	142307	47.201	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163352	47.403	ug/l	98
40) Benzene	8.02	78	392494	47.662	ug/l	100
41) Methacrylonitrile	7.15	41	54543m	51.838	ug/l	
42) 1,2-Dichloroethane	8.10	62	140365	48.633	ug/l	99
43) Isopropyl Acetate	8.14	43	209326	48.807	ug/l	100
44) Trichloroethene	8.82	130	108800	47.715	ug/l	100
45) 1,2-Dichloropropane	9.10	63	101567	49.818	ug/l	98
46) Dibromomethane	9.19	93	70293	48.790	ug/l	99
47) Bromodichloromethane	9.38	83	143831	49.104	ug/l	99
48) Methyl methacrylate	9.18	41	93872	48.784	ug/l	99
49) 1,4-Dioxane	9.18	88	31948	971.725	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	619652	249.614	ug/l	99
52) Toluene	10.14	92	254447	48.184	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	165474	50.049	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	170992	49.114	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	99466	48.281	ug/l	99
56) Ethyl methacrylate	10.42	69	147391	50.574	ug/l	99
57) 1,3-Dichloropropane	10.70	76	165036	48.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	350052	257.826	ug/l	98
59) 2-Hexanone	10.74	43	500695	261.102	ug/l	100
60) Dibromochloromethane	10.89	129	117007	49.493	ug/l	100
61) 1,2-Dibromoethane	10.99	107	105670	48.930	ug/l	100
64) Tetrachloroethene	10.62	164	103586	47.740	ug/l	99
65) Chlorobenzene	11.43	112	275887	47.442	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106588	48.452	ug/l	99
67) Ethyl Benzene	11.50	91	505235	48.172	ug/l	100
68) m/p-Xylenes	11.62	106	383168	97.340	ug/l	100
69) o-Xylene	11.94	106	183072	48.303	ug/l	100
70) Styrene	11.96	104	302606	49.511	ug/l	100
71) Bromoform	12.12	173	86980	49.158	ug/l #	98
73) Isopropylbenzene	12.24	105	502452	46.443	ug/l	100
74) N-amyl acetate	12.06	43	191717	49.144	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	143312	46.022	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130476m	47.073	ug/l	
77) Bromobenzene	12.52	156	124389	46.330	ug/l	98
78) n-propylbenzene	12.59	91	579137	46.985	ug/l	100
79) 2-Chlorotoluene	12.67	91	336257	46.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	426896	47.458	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	54988	48.574	ug/l	99
82) 4-Chlorotoluene	12.77	91	350604	47.169	ug/l	99
83) tert-Butylbenzene	12.99	119	363133	45.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	428586	48.268	ug/l	100
85) sec-Butylbenzene	13.17	105	499075	47.358	ug/l	100
86) p-Isopropyltoluene	13.28	119	457633	47.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	225174	47.380	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	226740	47.719	ug/l	99
89) n-Butylbenzene	13.61	91	417065	49.662	ug/l	99
90) Hexachloroethane	13.87	117	83347	46.726	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	216234	46.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30912	46.635	ug/l	96

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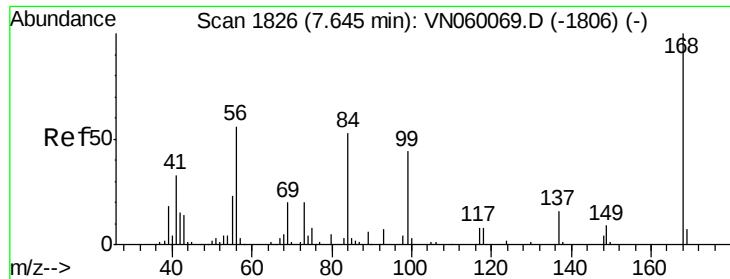
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	136019	49.773	ug/l	99
94) Hexachlorobutadiene	15.01	225	75177	46.990	ug/l	100
95) Naphthalene	15.13	128	343510	46.533	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128005	47.036	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 193407

Ion Ratio Lower Upper

168 100

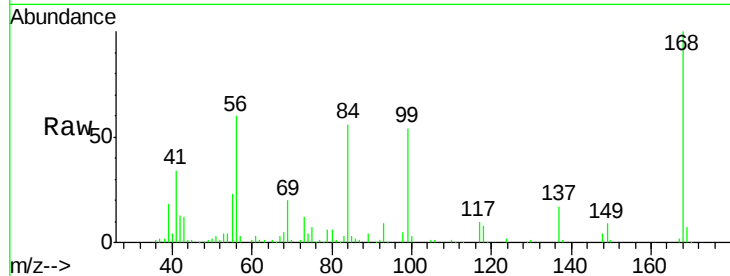
99 53.9 42.7 64.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

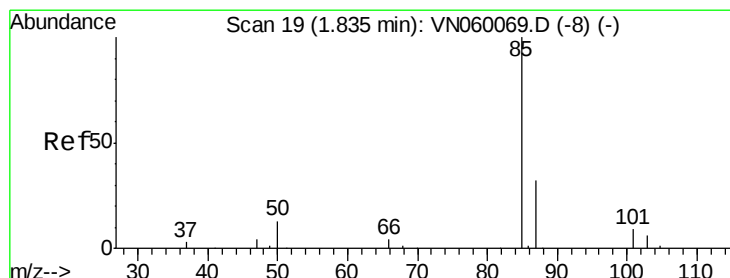
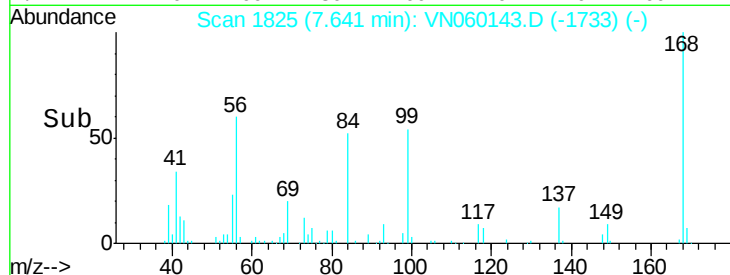
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.818 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060143.D

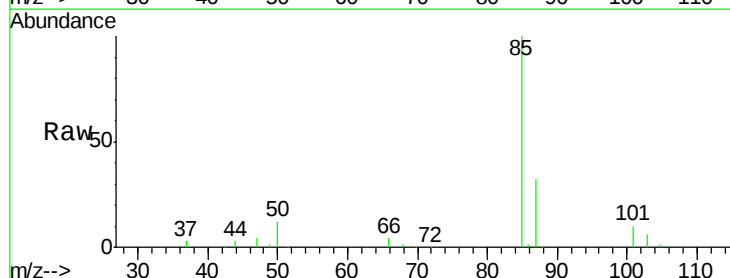
Acq: 19 Feb 2020 9:44

Tgt Ion: 85 Resp: 92442

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

40000

20000

0

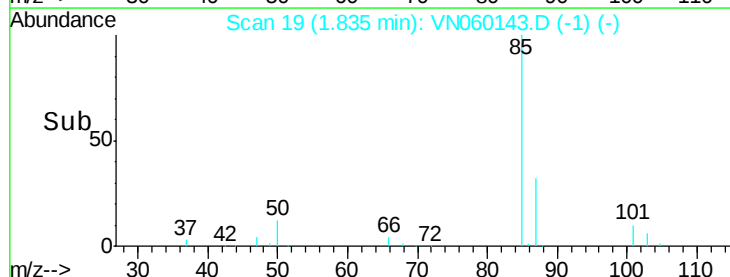
1.75

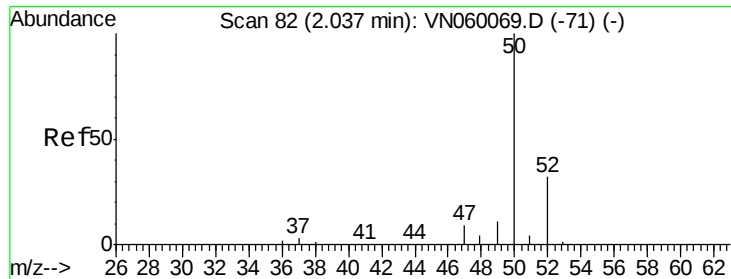
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 45.712 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105166

Ion Ratio Lower Upper

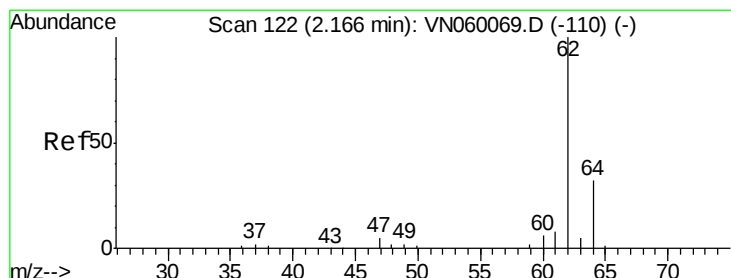
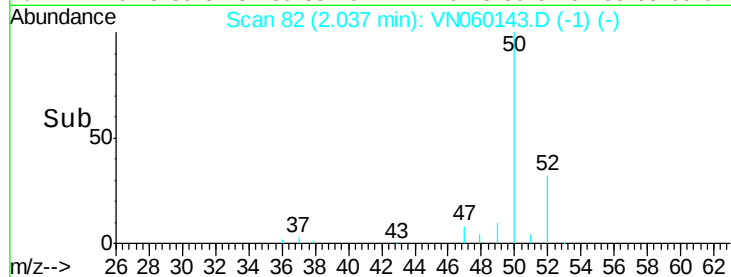
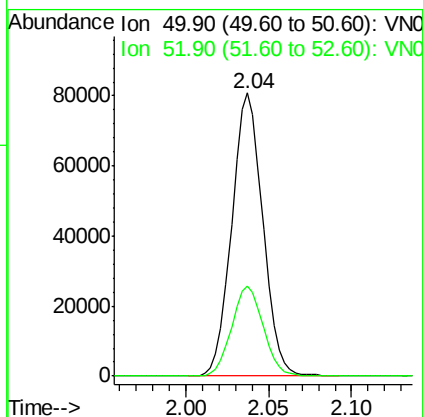
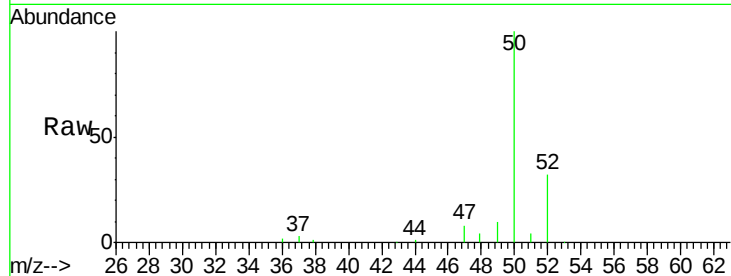
50 100

52 32.0 25.6 38.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.305 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060143.D

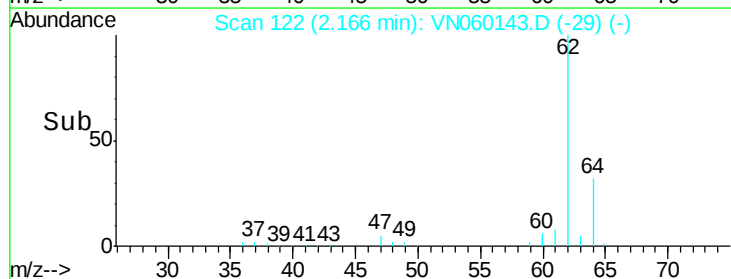
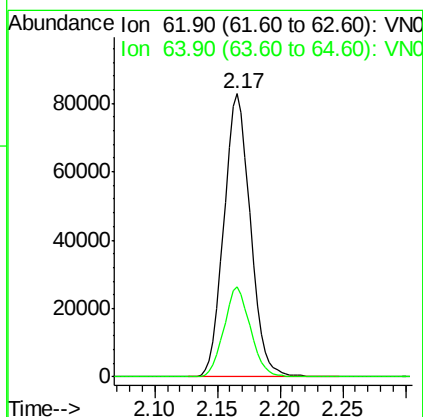
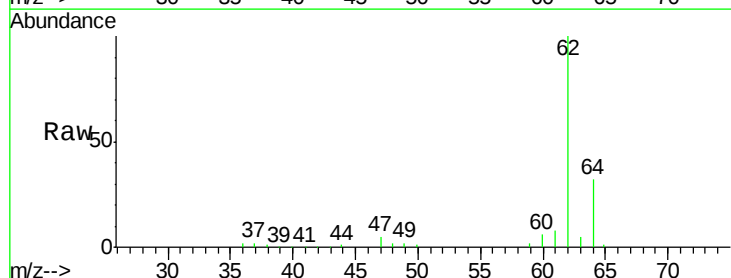
Acq: 19 Feb 2020 9:44

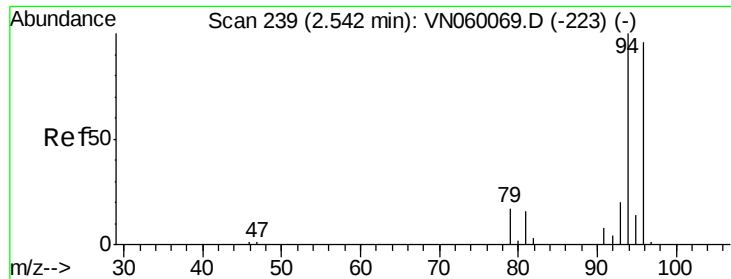
Tgt Ion: 62 Resp: 121426

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 45.310 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 72855

Ion Ratio Lower Upper

94 100

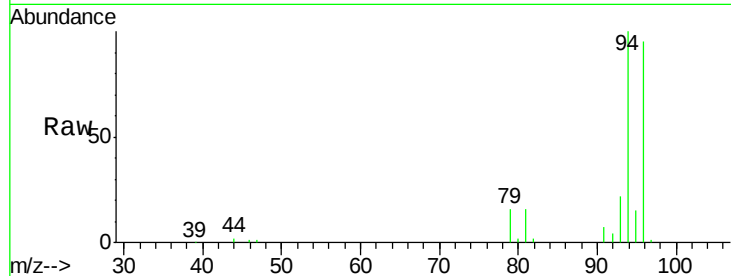
96 94.7 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN060069.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060069.D (-223) (-)

2.54

40000

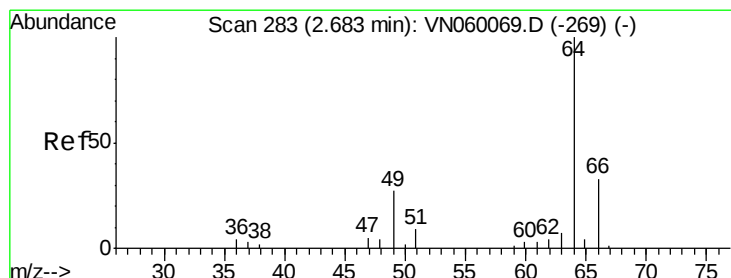
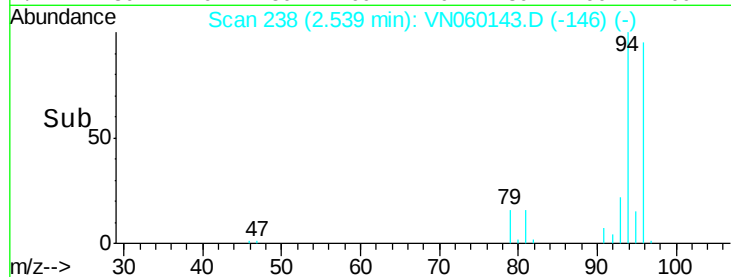
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 45.764 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060143.D

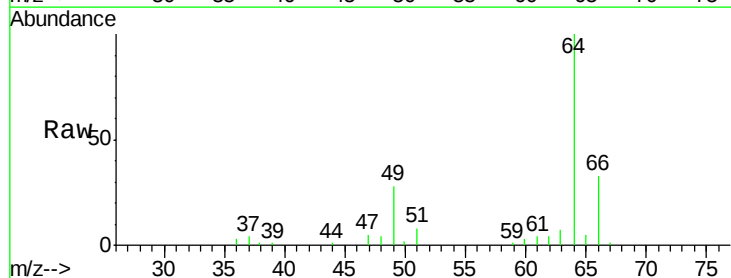
Acq: 19 Feb 2020 9:44

Tgt Ion: 64 Resp: 60698

Ion Ratio Lower Upper

64 100

66 33.1 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060069.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060069.D (-269) (-)

2.68

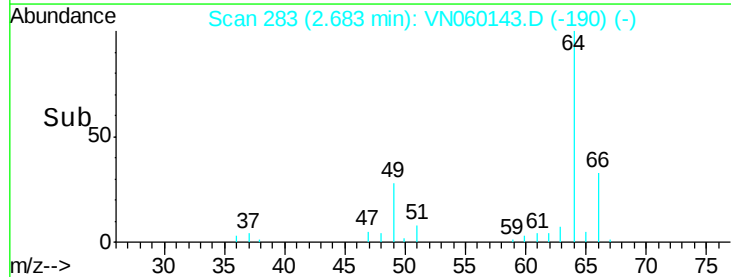
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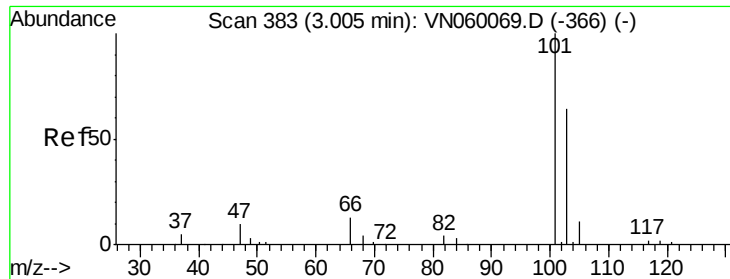
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10000

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Time-->





#7

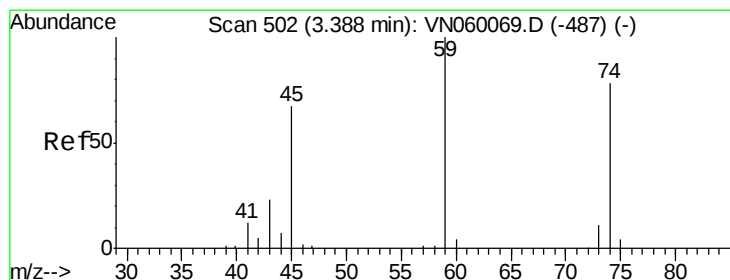
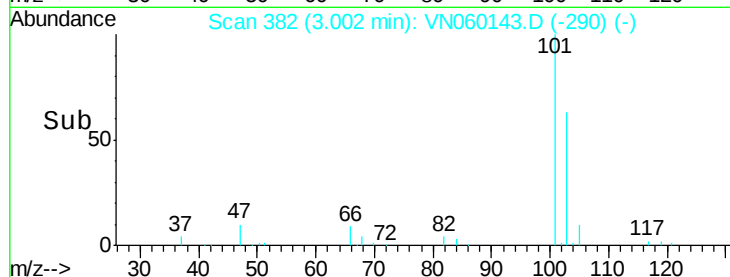
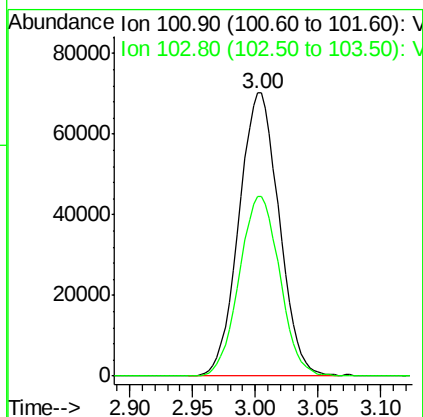
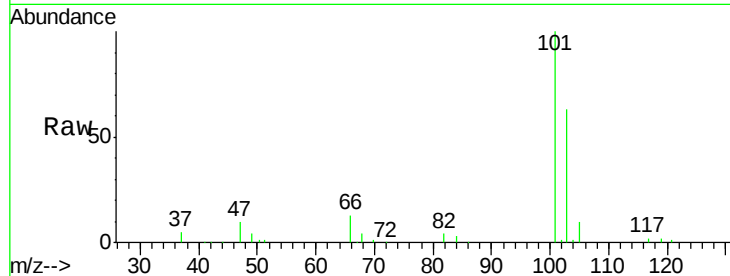
Trichlorofluoromethane
Concen: 46.282 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		156476		
103	63.4	51.0	76.6		

Manual Integrations
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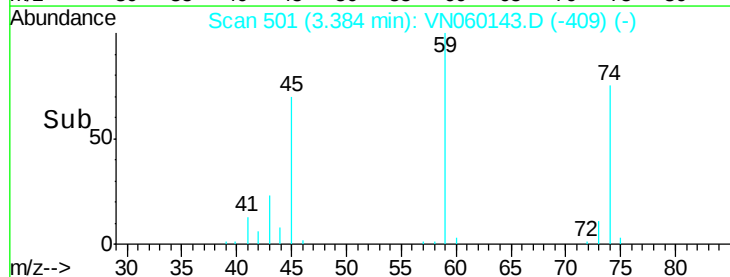
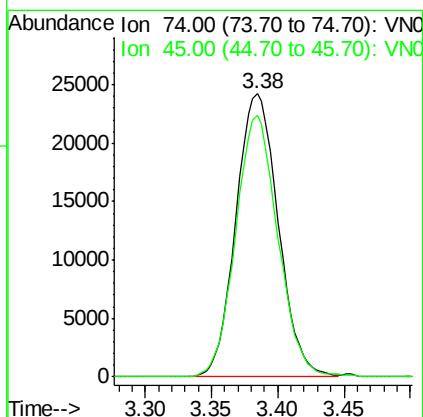
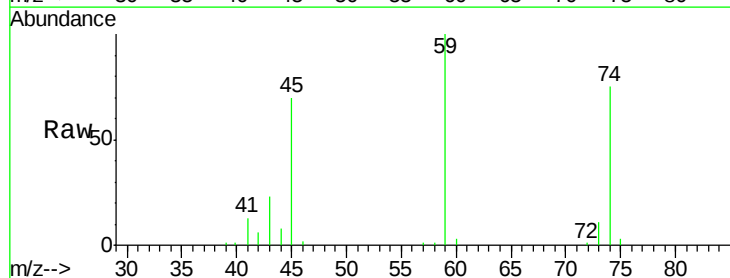
MMDadoda
2/21/2020 11:48:17 AM

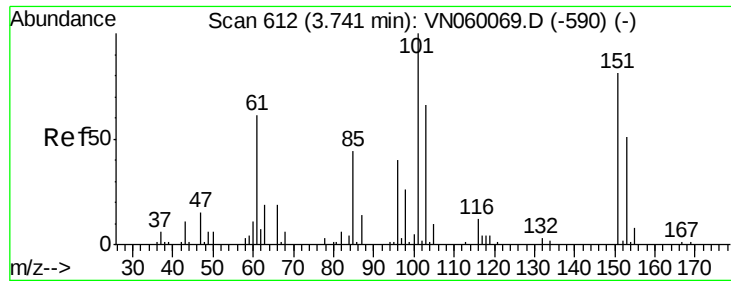


#8

Diethyl Ether
Concen: 47.926 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53938		
45	92.1	44.7	134.1		





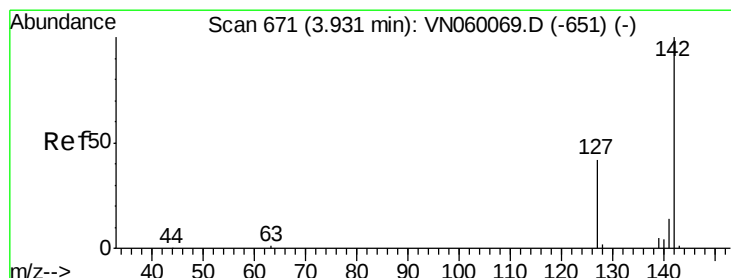
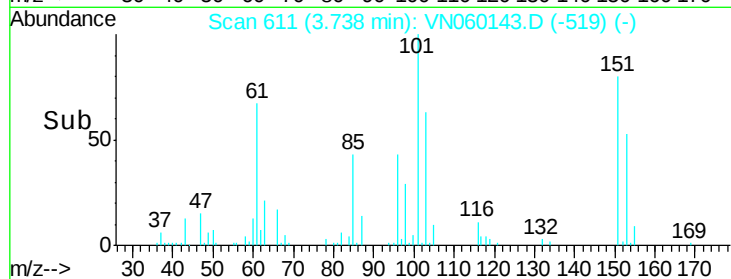
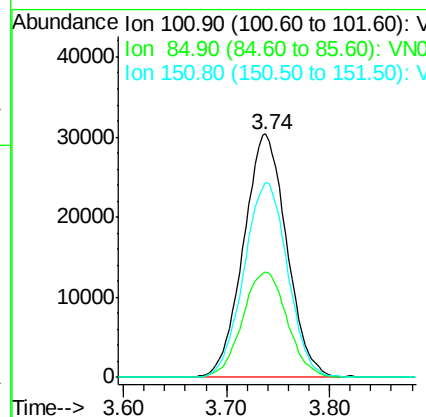
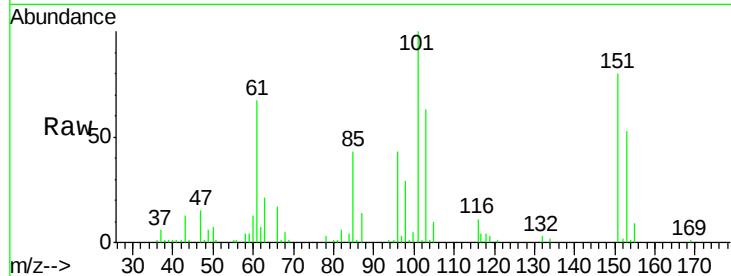
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.042 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

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Tot Ion	Ratio	Lower	Upper
101	100		
85	44.6	35.1	52.7
151	80.7	65.8	98.6

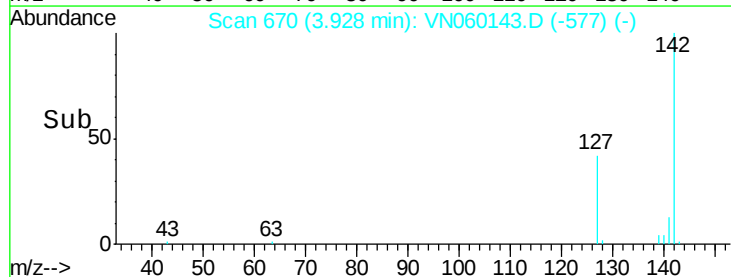
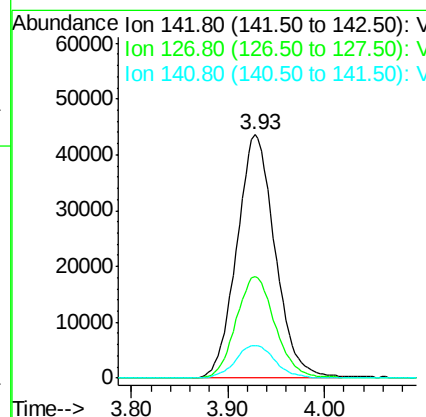
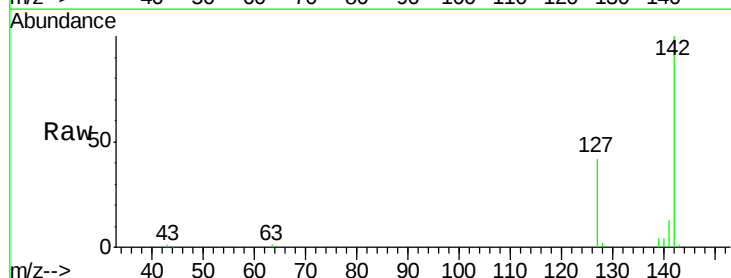
Manual Integrations
 APPROVED

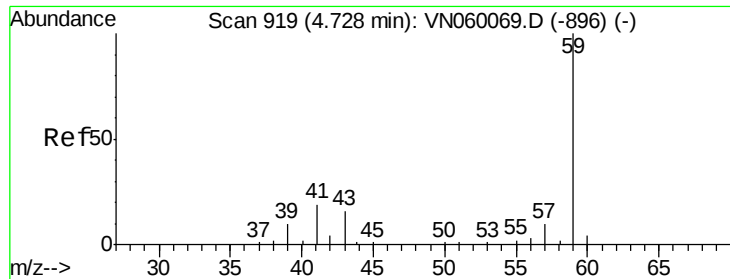
MMDadoda
 2/21/2020 11:48:17 AM



#10
 Methyl Iodide
 Concen: 47.669 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.6	33.6	50.4
141	13.9	11.4	17.2





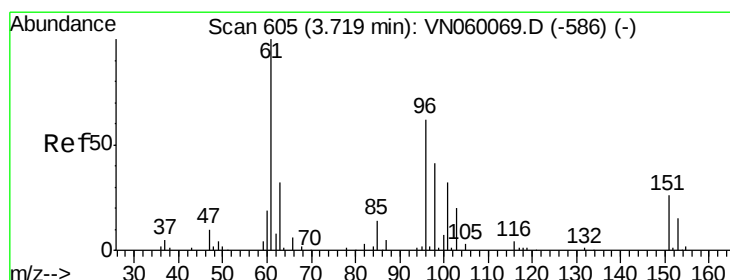
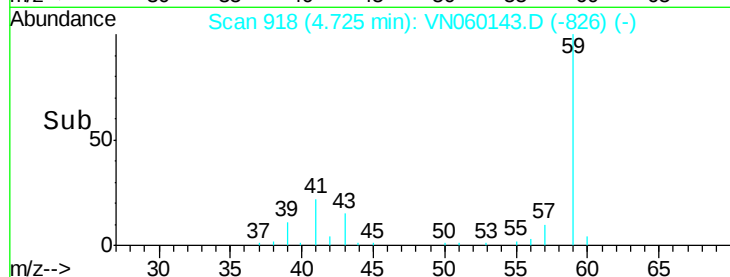
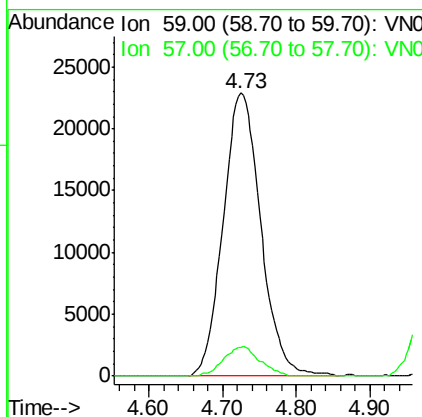
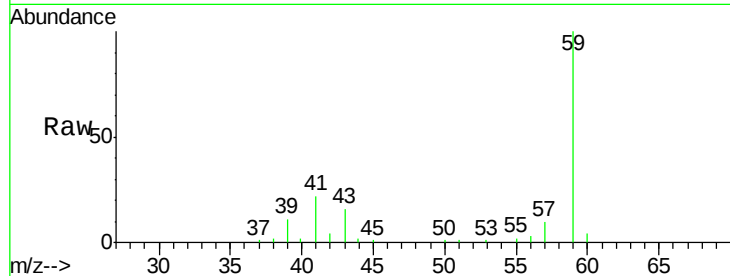
#11
Tert butyl alcohol
Concen: 230.902 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

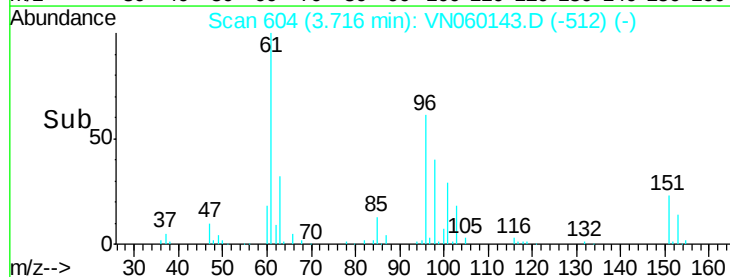
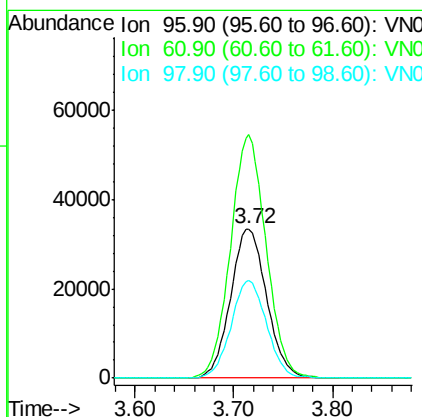
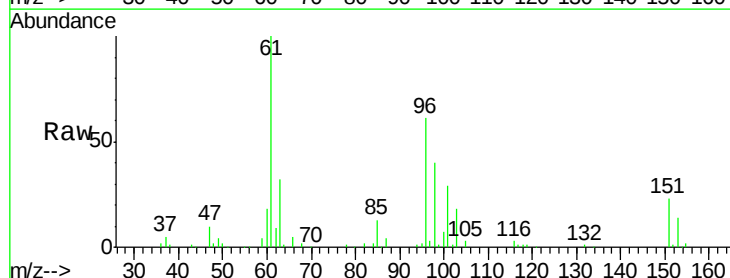
Manual Integrations
APPROVED

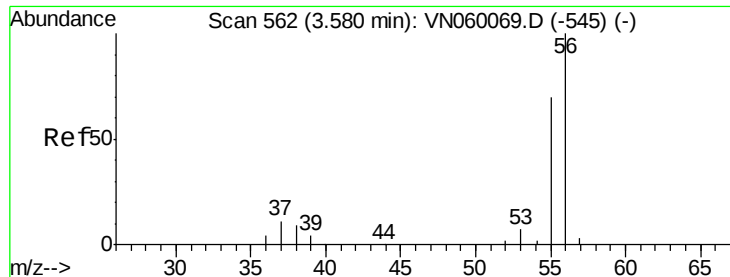
MMDadoda
2/21/2020 11:48:17 AM



#12
1,1-Dichloroethene
Concen: 46.597 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.2	128.3	192.5
98	65.7	52.2	78.4





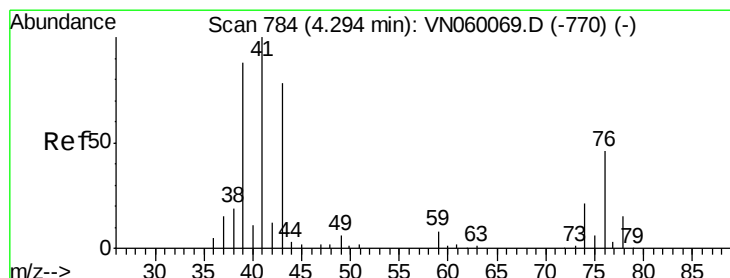
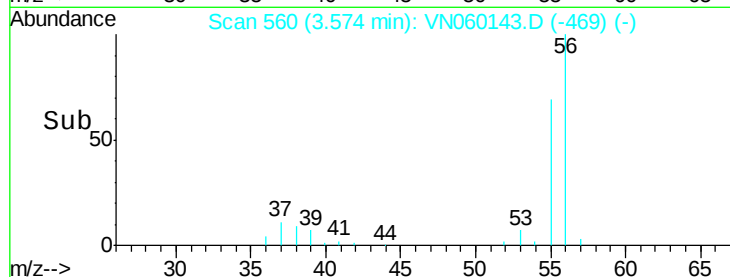
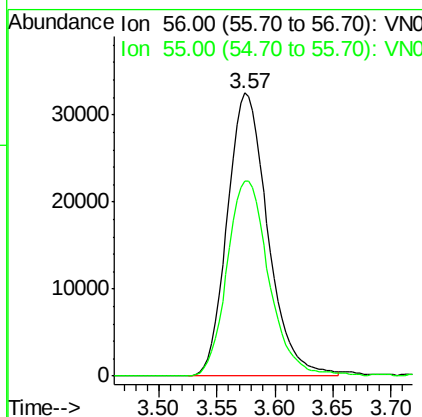
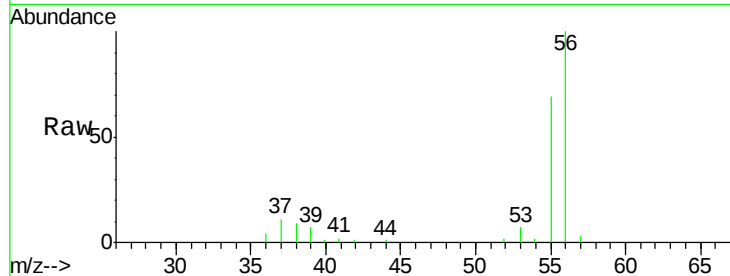
#13
Acrolein
Concen: 227.300 ug/l
RT: 3.57 min Scan# 560
Delta R.T. -0.01 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	79125
Ion Ratio	100	Lower	Upper
56	100		
55	71.3	54.8	82.2

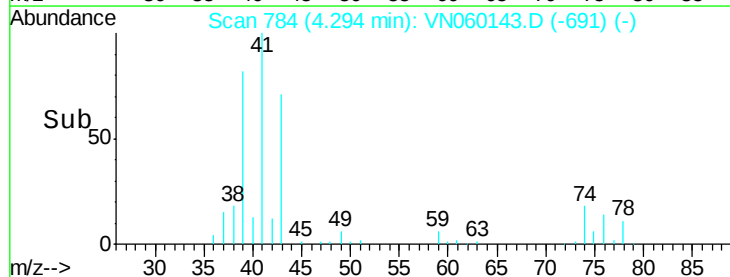
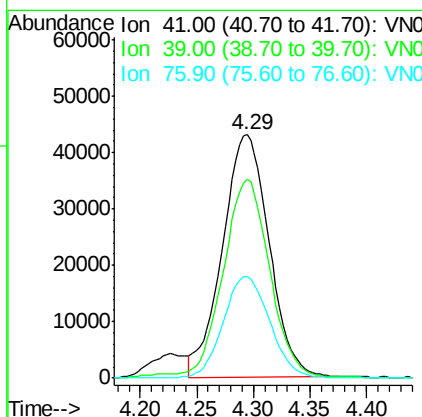
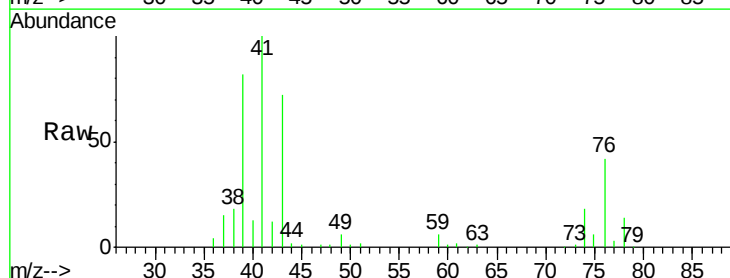
Manual Integrations
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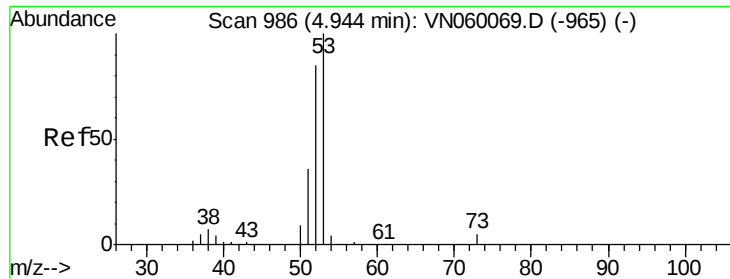
MMDadoda
2/21/2020 11:48:17 AM



#14
Allyl chloride
Concen: 45.866 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	41	Resp	123444
Ion Ratio	100	Lower	Upper
41	100		
39	81.9	67.8	101.8
76	41.9	33.9	50.9





#15

Acrylonitrile

Concen: 243.627 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

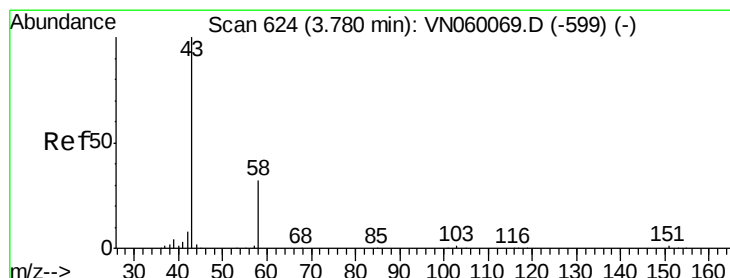
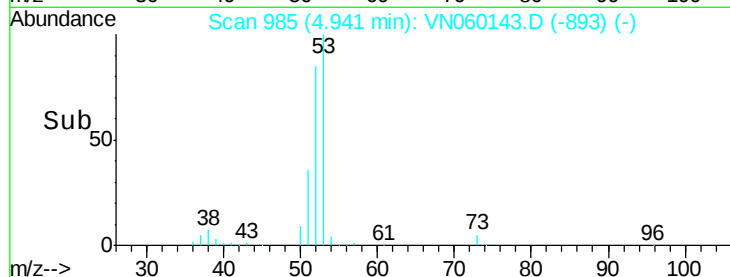
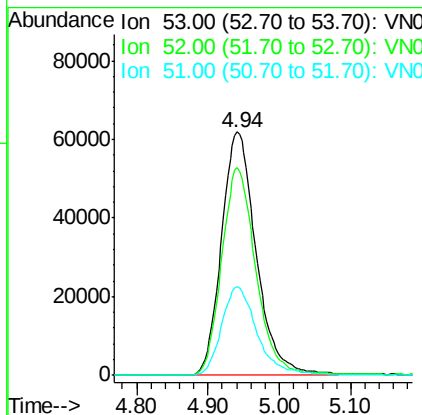
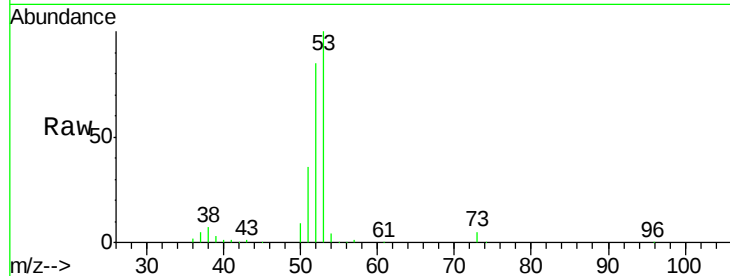
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	209536
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.8	100.2
51	37.3	29.4	44.0

Manual Integrations
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MMDadoda
2/21/2020 11:48:17 AM



#16

Acetone

Concen: 269.148 ug/l

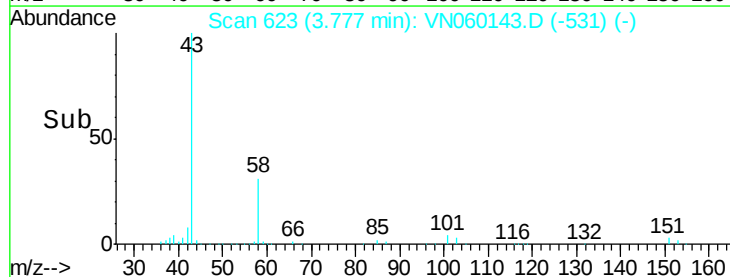
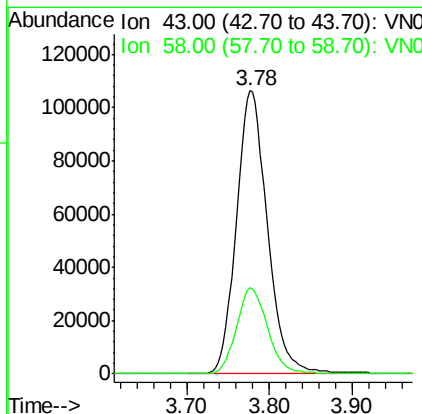
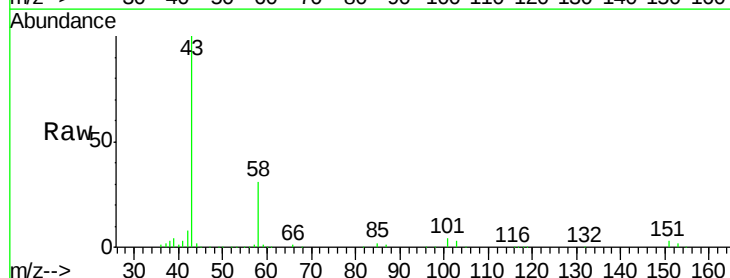
RT: 3.78 min Scan# 623

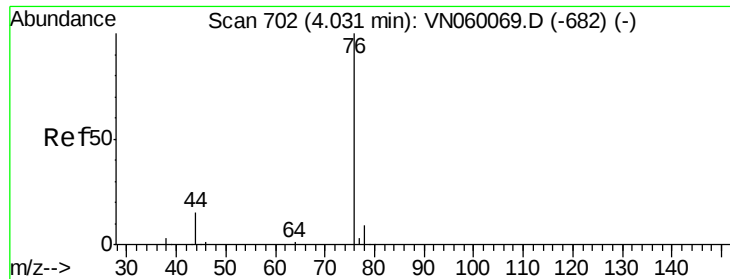
Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	43	Resp:	276295
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.2	37.8





#17

Carbon Disulfide

Concen: 44.017 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 242606

Ion Ratio Lower Upper

76 100

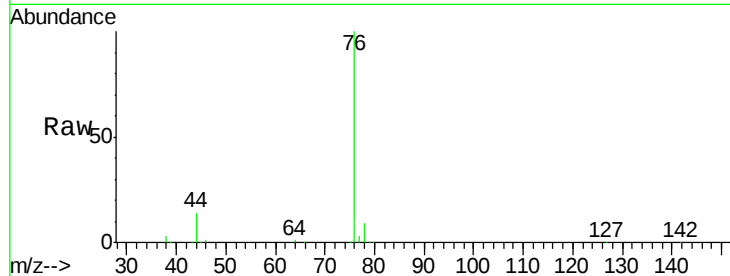
78 9.1 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

100000

80000

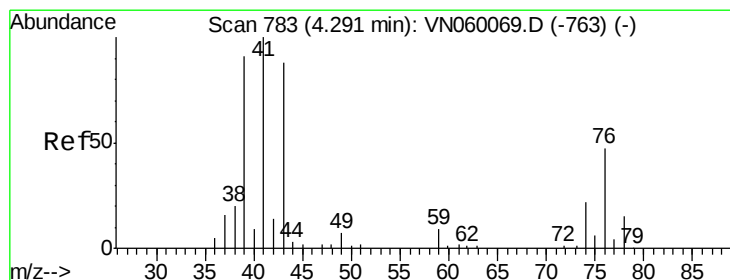
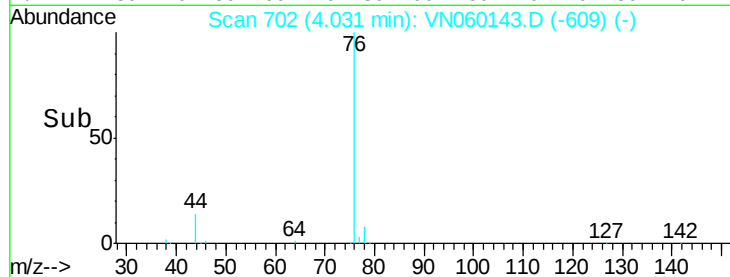
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.135 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.01 min

Lab File: VN060143.D

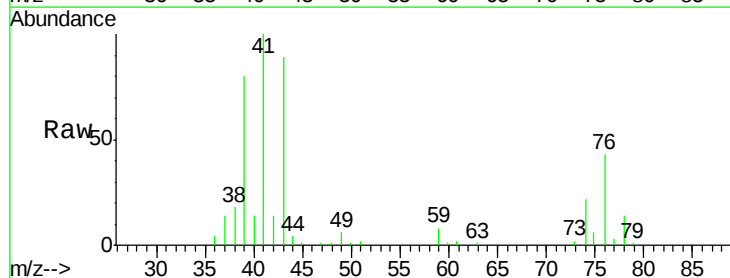
Acq: 19 Feb 2020 9:44

Tgt Ion: 43 Resp: 98609

Ion Ratio Lower Upper

43 100

74 24.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

40000

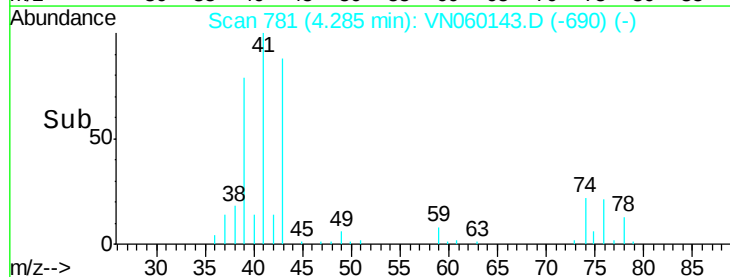
30000

20000

10000

0

Time-->





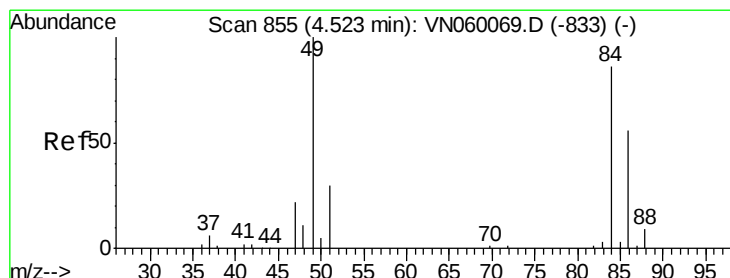
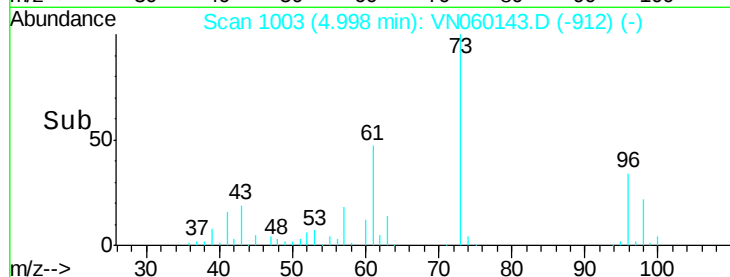
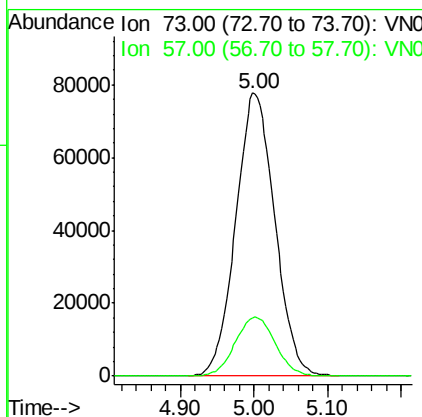
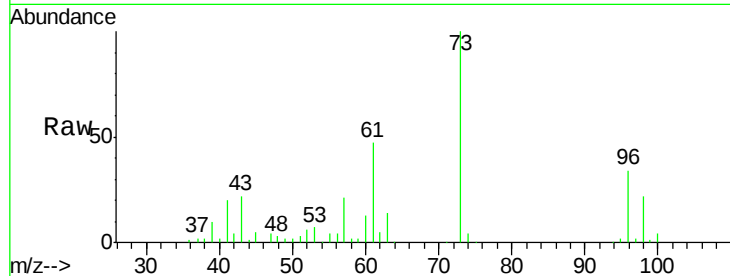
#19
Methvl tert-butvl Ether
Concen: 46.562 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 286331
Ion Ratio Lower Upper
73 100
57 20.6 17.2 25.8

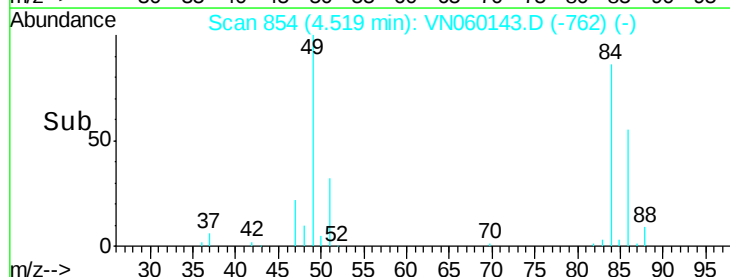
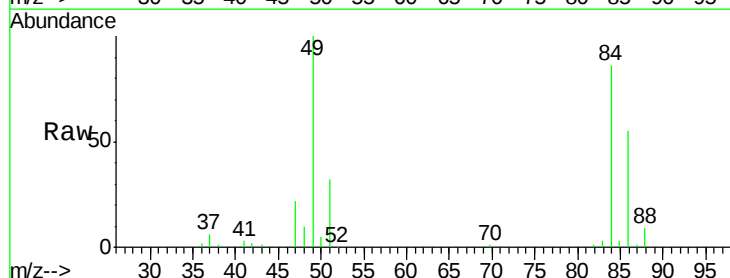
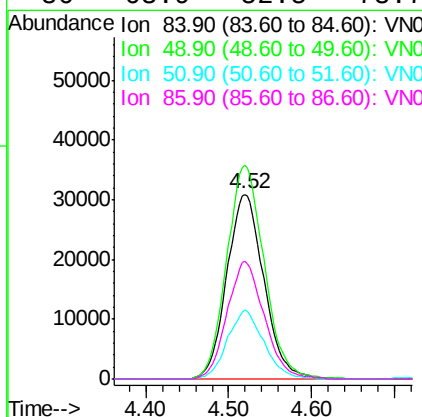
Manual Integrations
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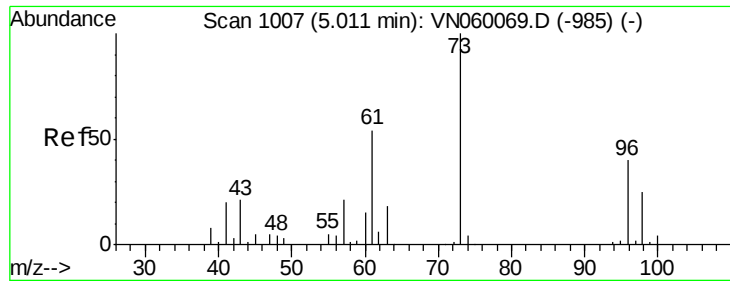
MMDadoda
2/21/2020 11:48:17 AM



#20
Methylene Chloride
Concen: 46.973 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 84 Resp: 96203
Ion Ratio Lower Upper
84 100
49 115.8 93.4 140.0
51 37.3 28.4 42.6
86 63.9 52.5 78.7





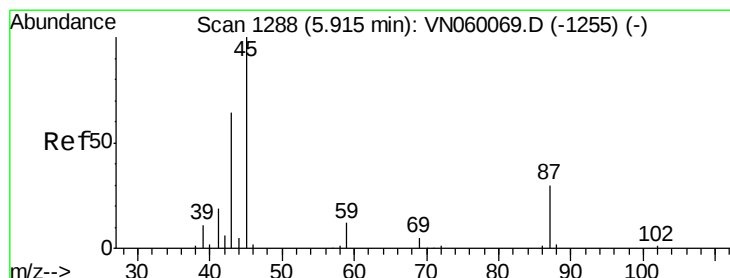
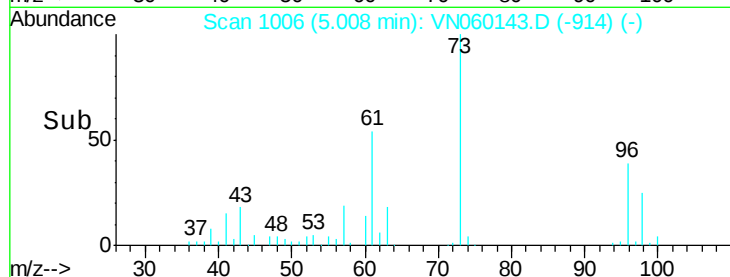
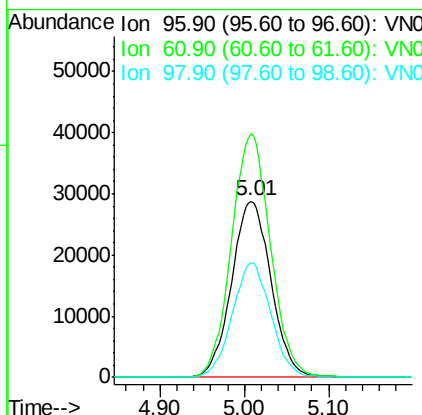
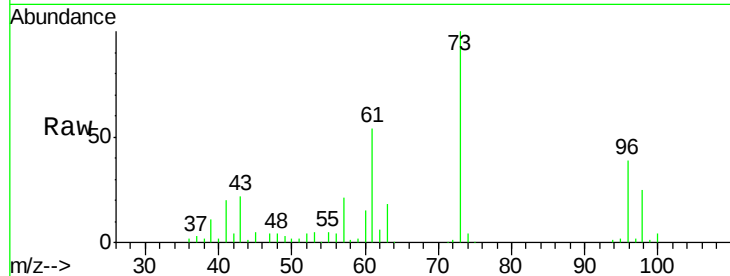
#21
trans-1,2-Dichloroethene
Concen: 46.954 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.1	109.3	163.9
98	64.9	51.0	76.6

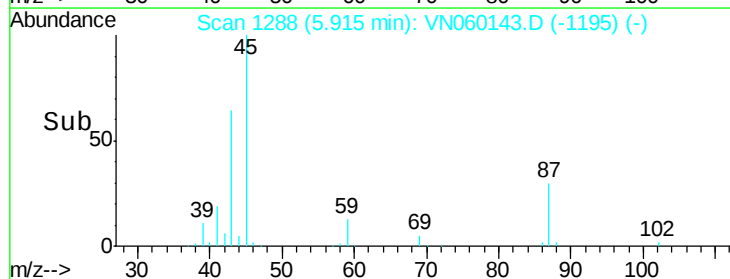
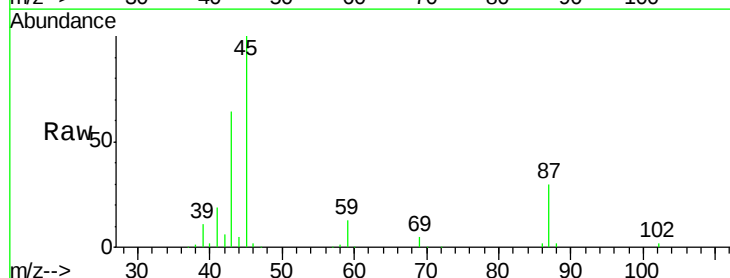
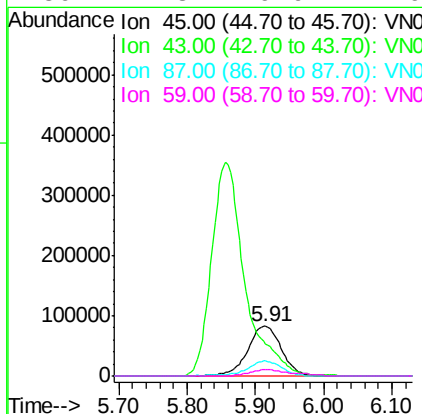
Manual Integrations
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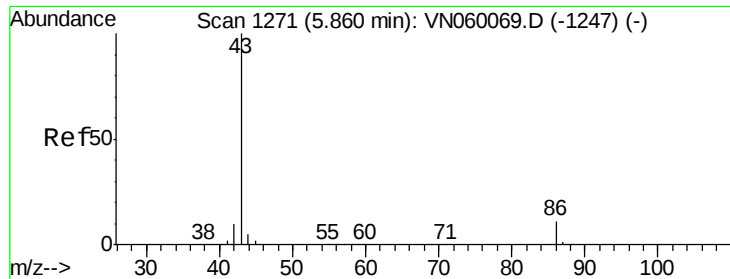
MMDadoda
2/21/2020 11:48:17 AM



#22
Diisopropyl ether
Concen: 48.315 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	55.9	83.9
87	30.0	24.5	36.7
59	12.3	9.9	14.9





#23

Vinyl Acetate

Concen: 243.000 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1203666

Ion Ratio Lower Upper

43 100

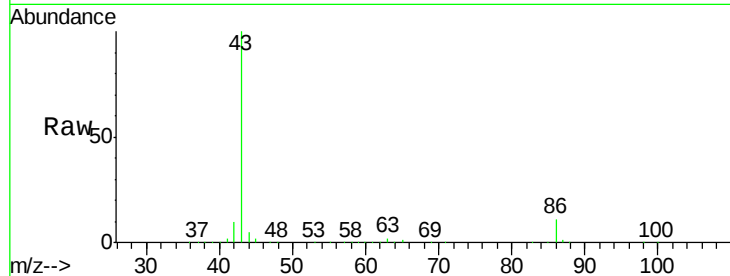
86 10.7 8.9 13.3

Manual Integrations

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MMDadoda

2/21/2020 11:48:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

400000

300000

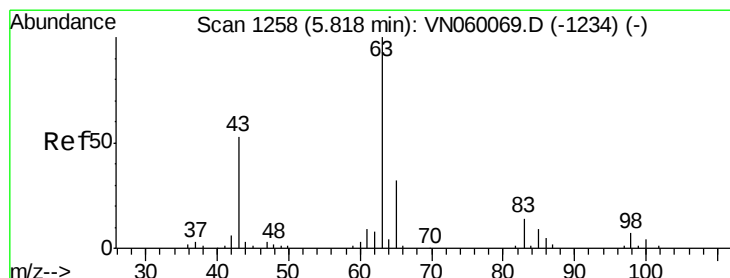
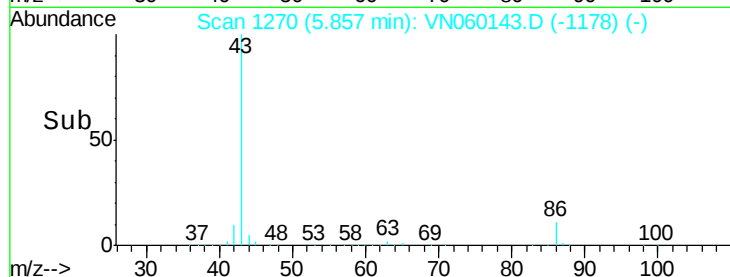
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.492 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

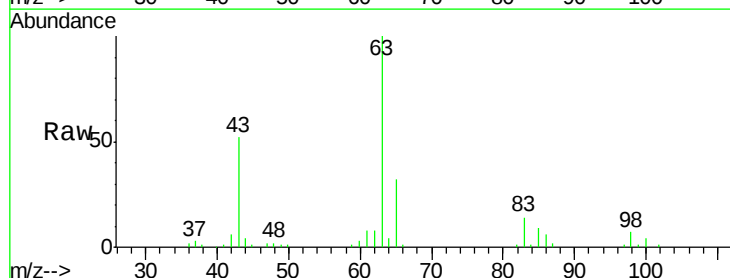
Tgt Ion: 63 Resp: 169699

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

60000

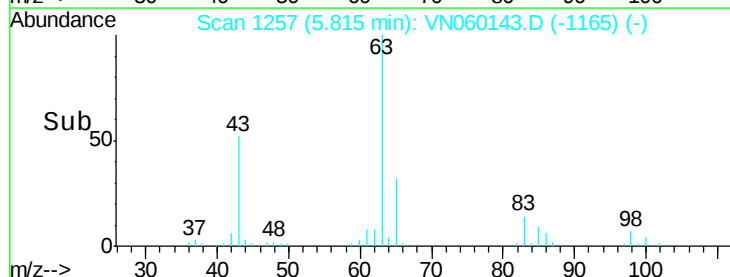
40000

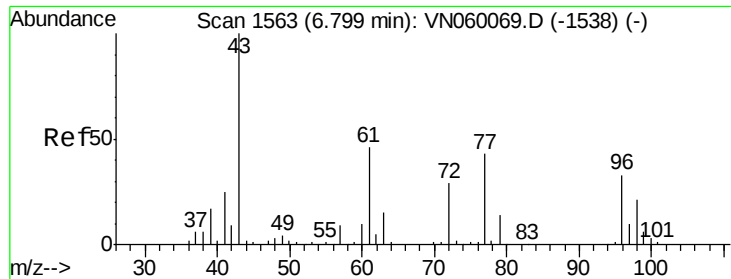
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 254.829 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tot Ion: 43 Resp: 329003

Ion Ratio Lower Upper

43 100

72 28.6 23.3 34.9

Instrument :

MSVOA_N

ClientSampled :

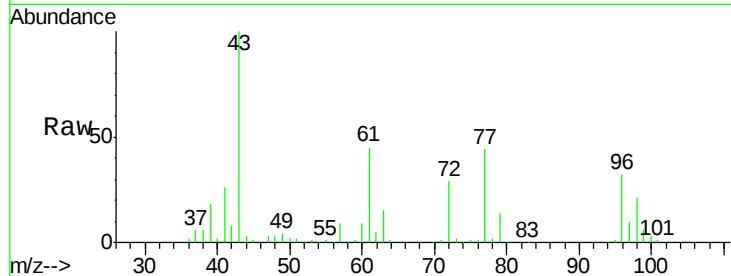
VSTDCCC050

Manual Integrations

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MMDadoda

2/21/2020 11:48:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

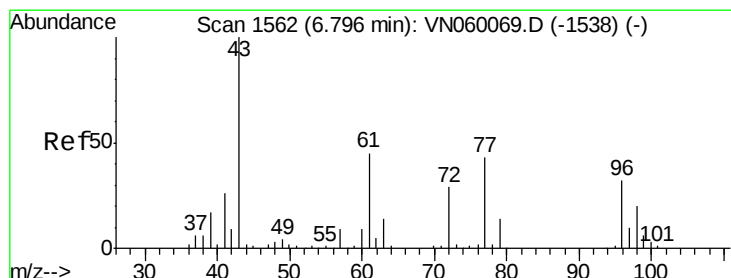
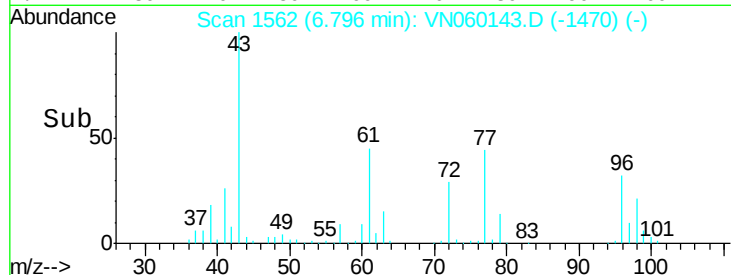
100000

50000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 47.665 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060143.D

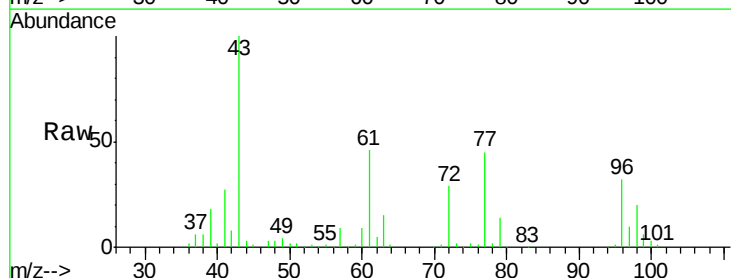
Acq: 19 Feb 2020 9:44

Tgt Ion: 77 Resp: 161772

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060143.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060143.D (-1469) (-)

6.79

60000

50000

40000

30000

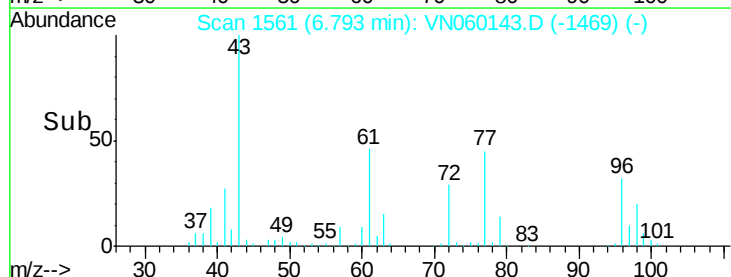
20000

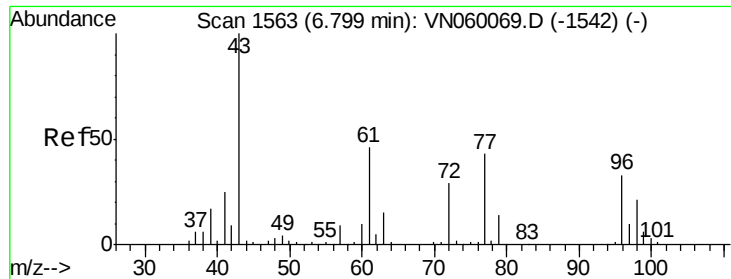
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 46.900 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060143.D

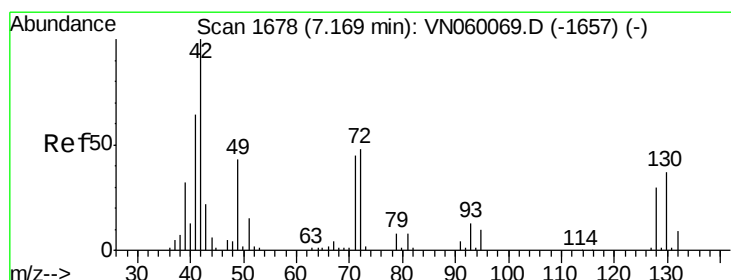
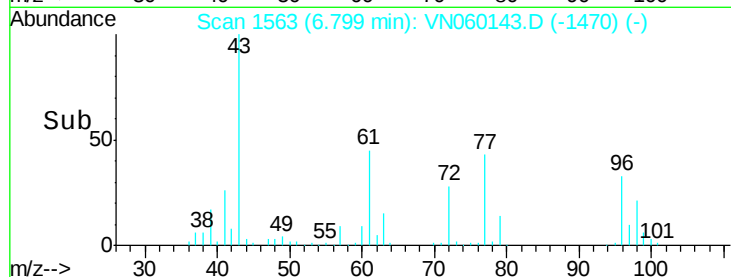
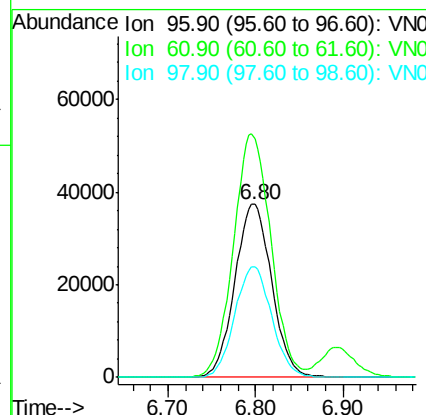
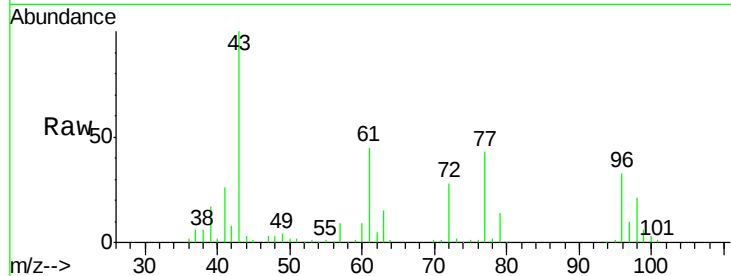
Acq: 19 Feb 2020 9:44

Tot Ion:	96	Resp:	109407
Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	285.8
98	64.1	0.0	129.6

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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#28

Bromochloromethane

Concen: 46.278 ug/l

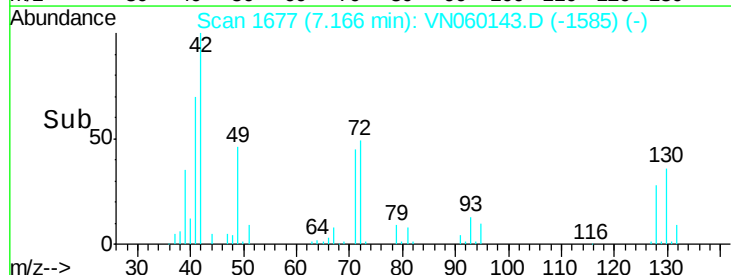
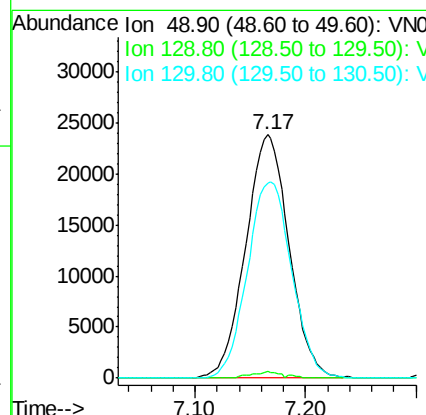
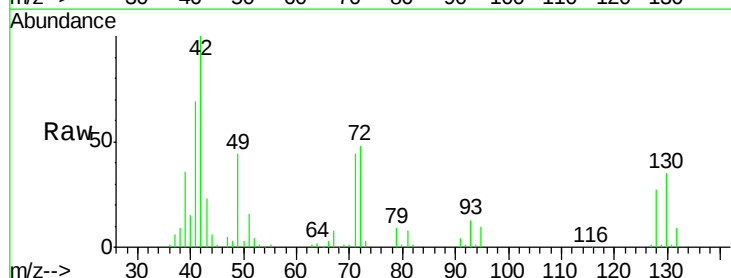
RT: 7.17 min Scan# 1677

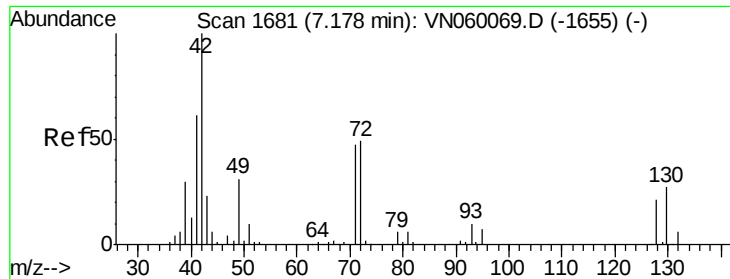
Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	49	Resp:	65010
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.2
130	82.3	66.8	100.2





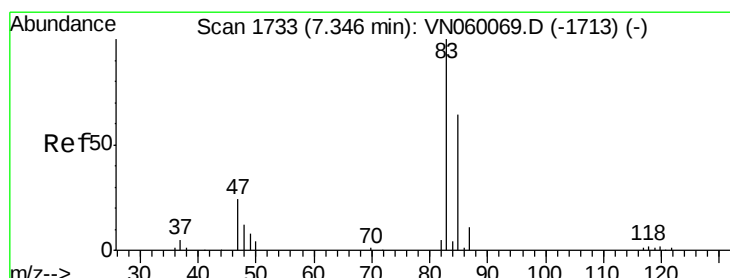
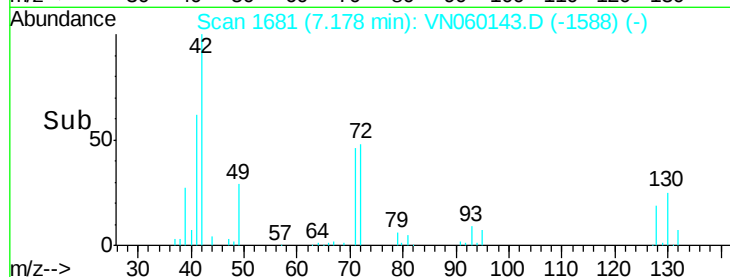
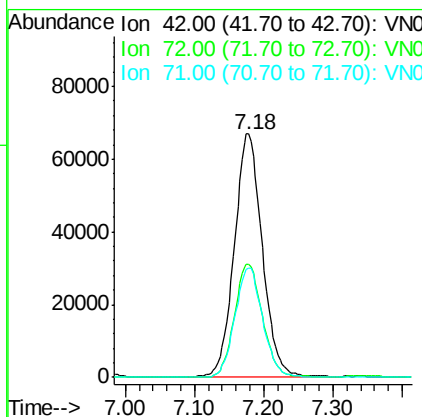
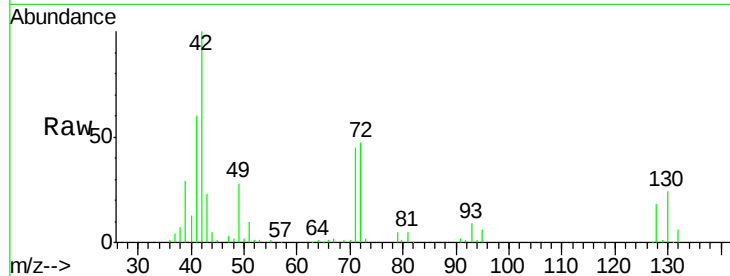
#29
Tetrahydrofuran
Concen: 238.685 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	38.2	57.4
71	44.5	36.6	54.8

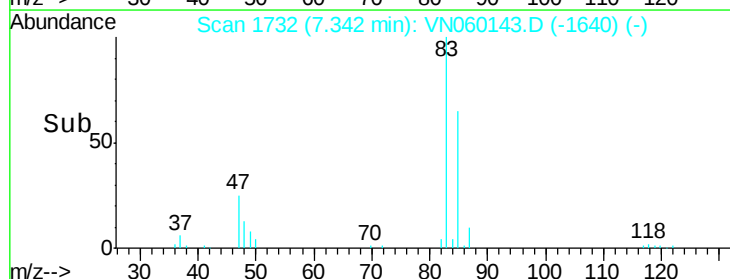
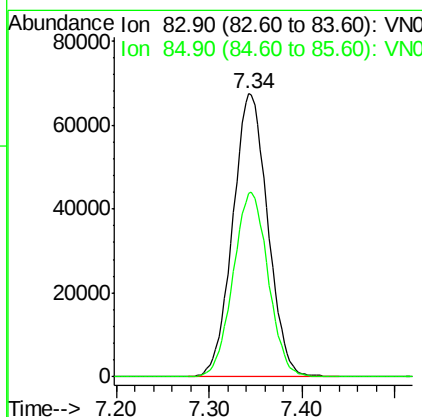
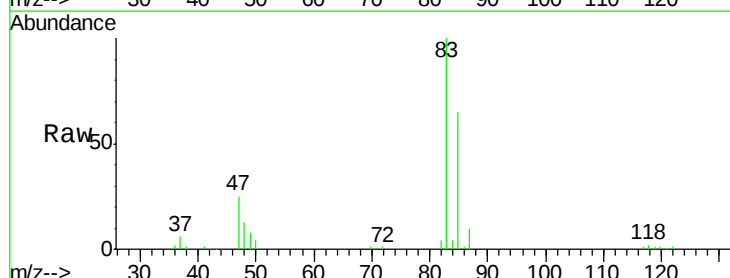
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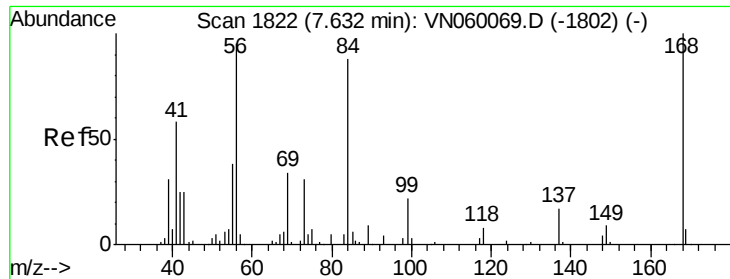
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#30
Chloroform
Concen: 47.199 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.0





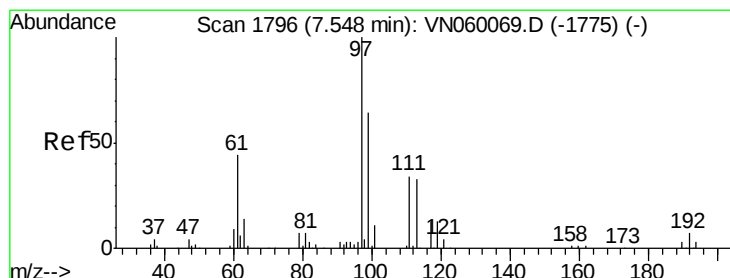
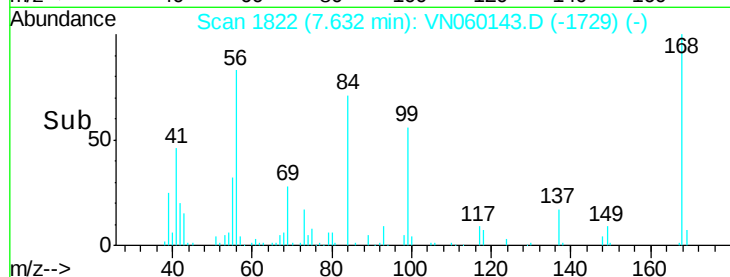
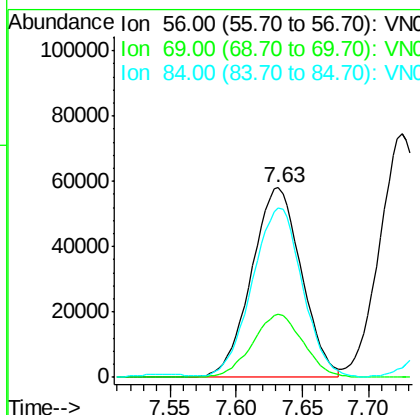
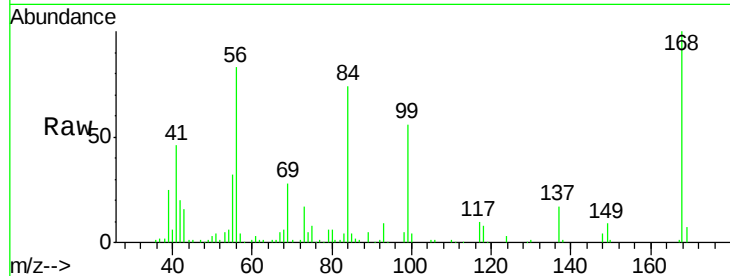
#31
Cyclohexane
Concen: 45.926 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	28.3	42.5
84	88.3	72.6	108.8

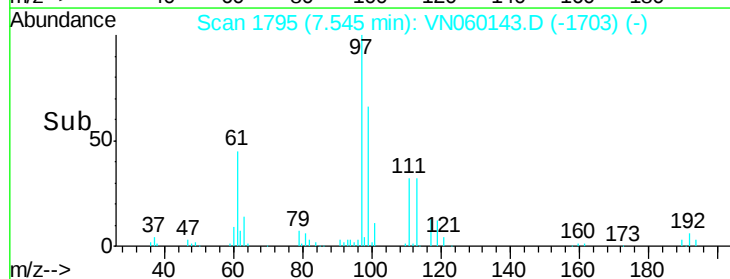
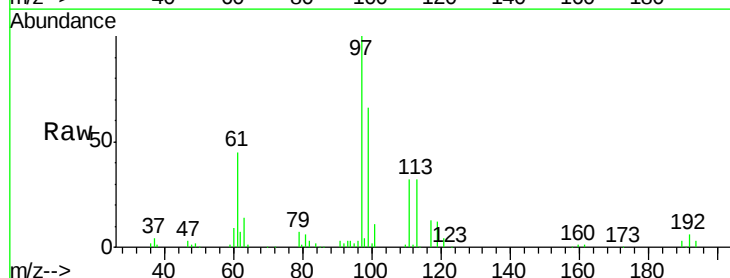
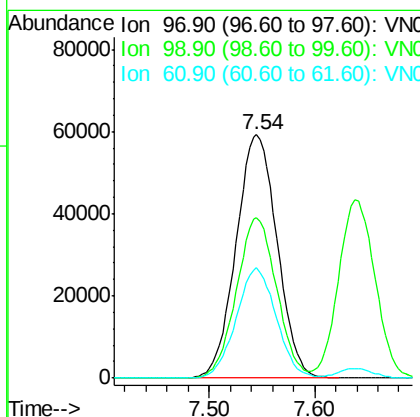
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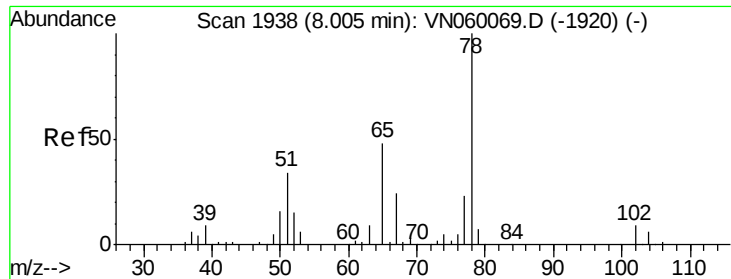
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#32
1,1,1-Trichloroethane
Concen: 46.870 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.4	77.0
61	44.0	34.9	52.3





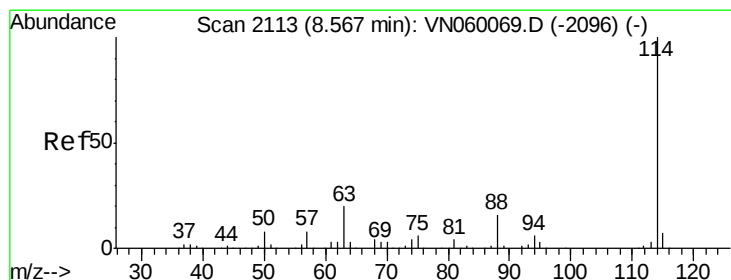
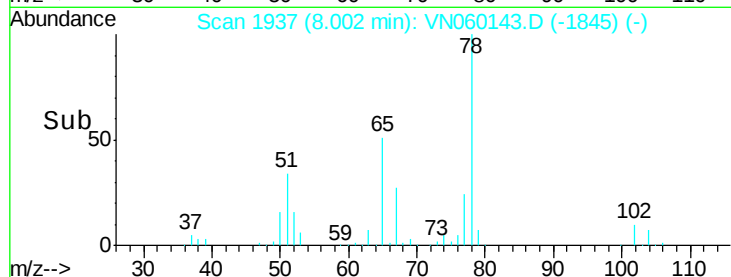
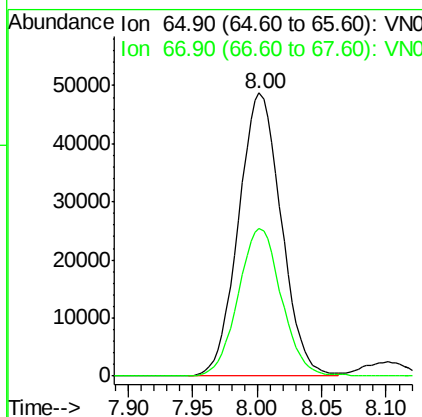
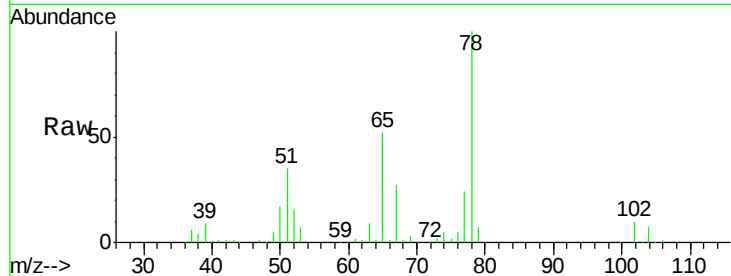
#33
 1,2-Dichloroethane-d4
 Concen: 47.840 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 65 Resp: 112588
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0

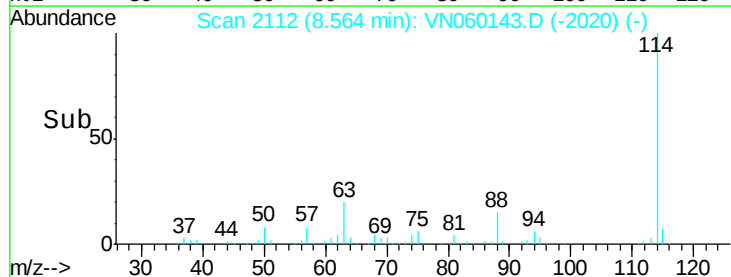
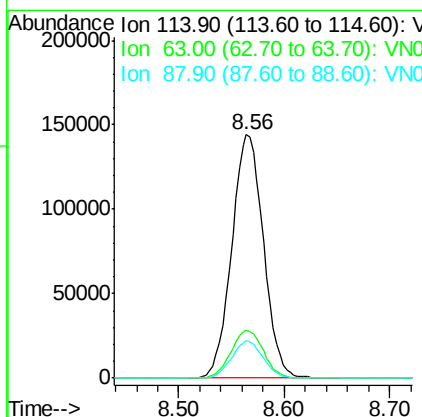
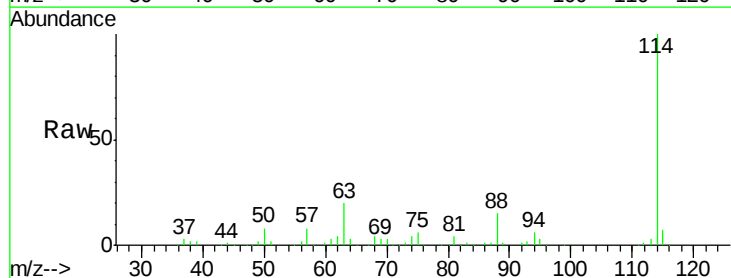
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 114 Resp: 299714
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.2 0.0 31.6





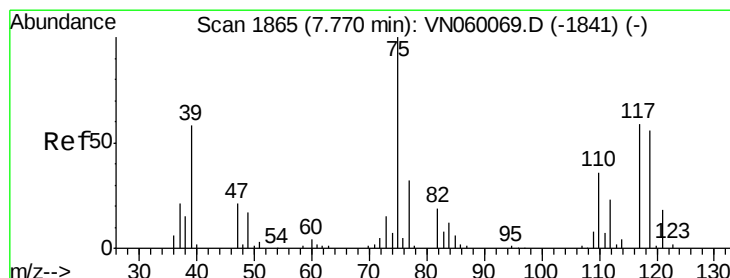
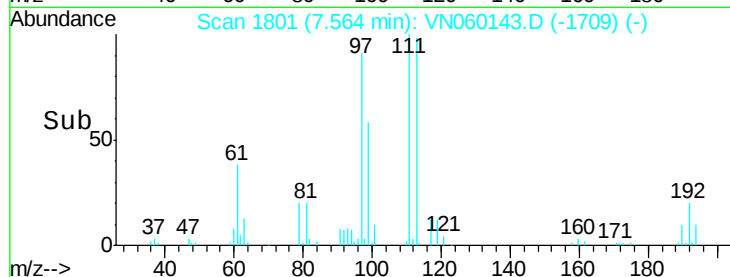
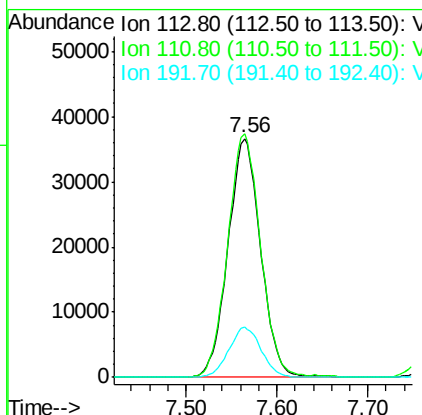
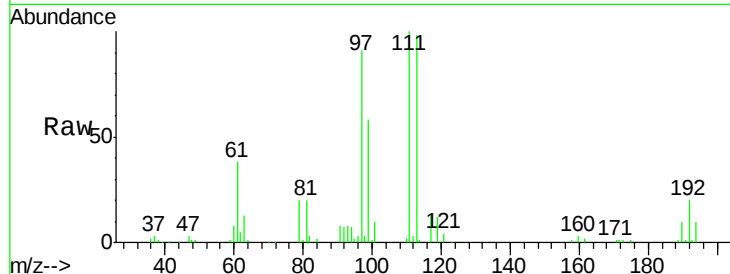
#35
Dibromofluoromethane
Concen: 49.491 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	20.8	16.2	24.2

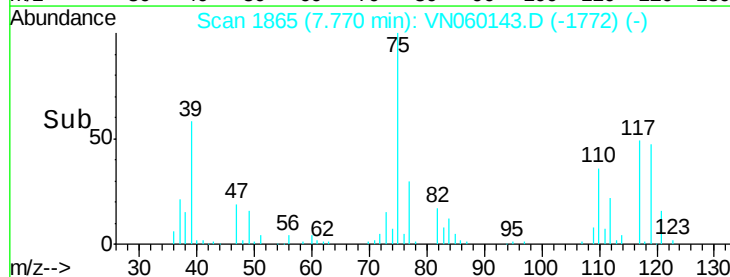
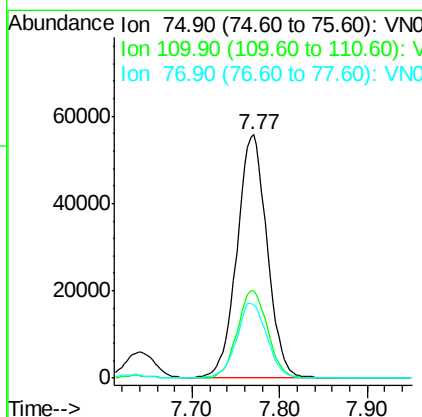
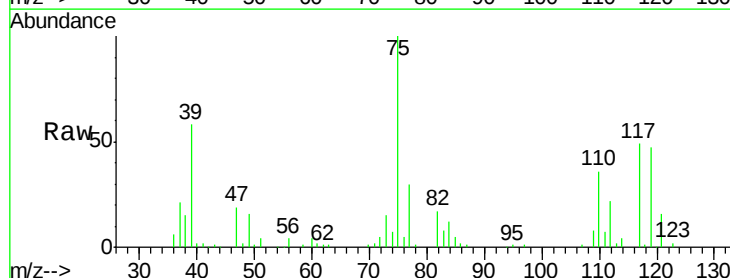
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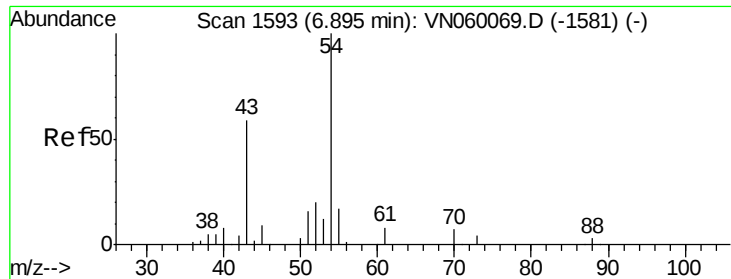
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#36
1,1-Dichloropropene
Concen: 48.101 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	18.1	54.3
77	31.0	25.1	37.7





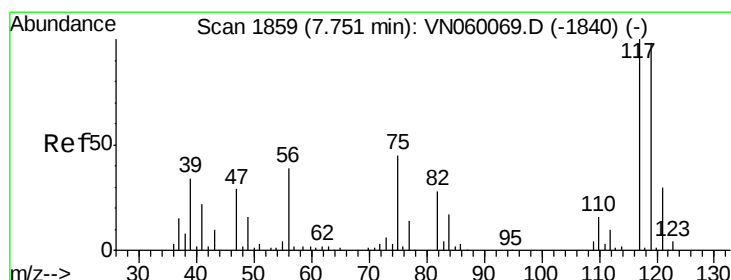
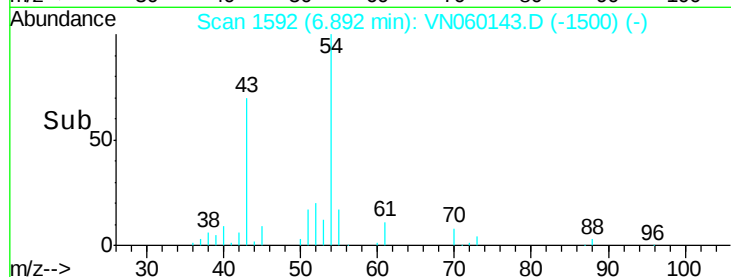
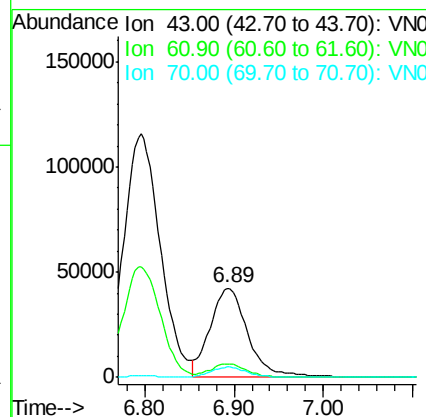
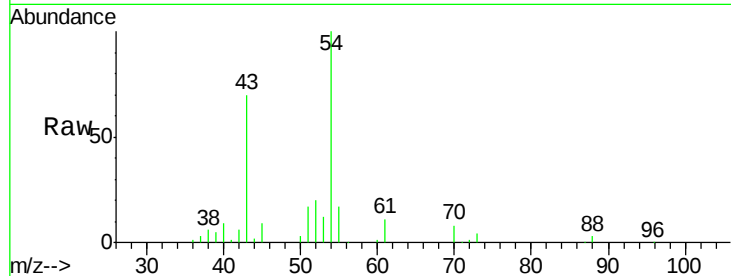
#37
Ethyl Acetate
Concen: 48.719 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.4	17.2
70	10.8	8.7	13.1

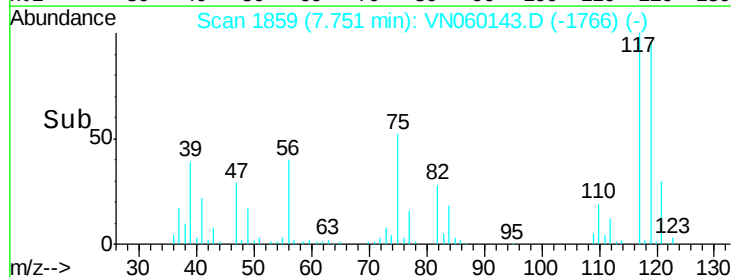
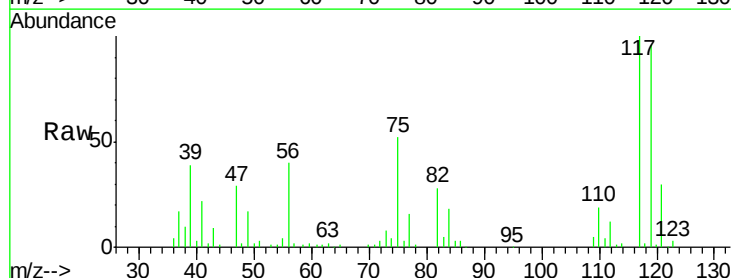
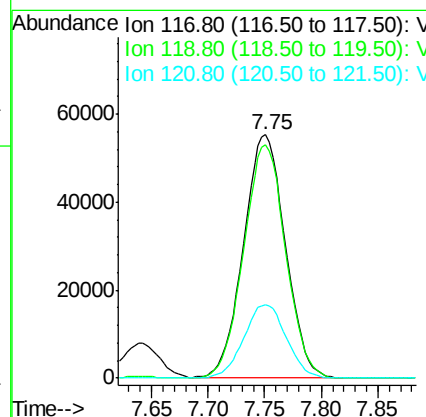
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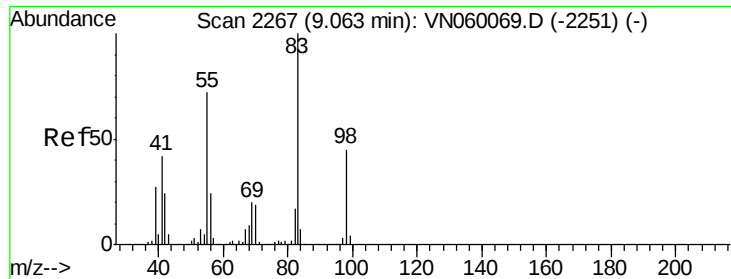
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#38
Carbon Tetrachloride
Concen: 47.201 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	78.2	117.4
121	29.9	24.2	36.2





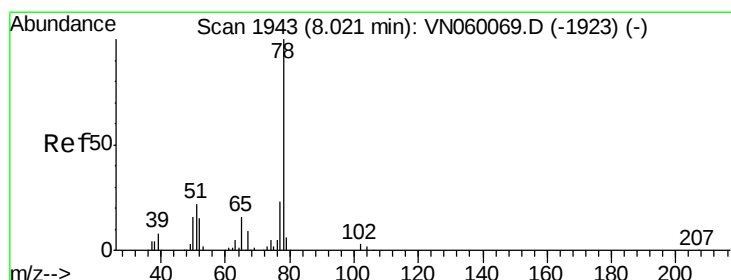
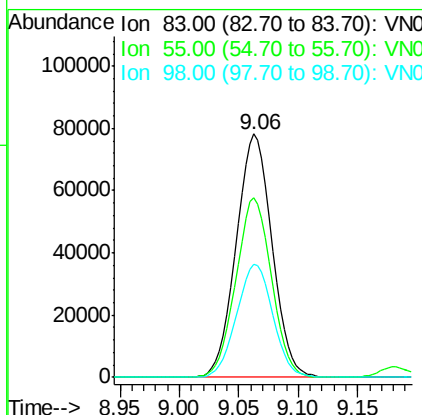
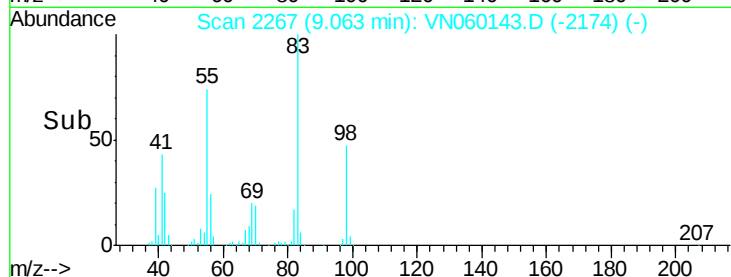
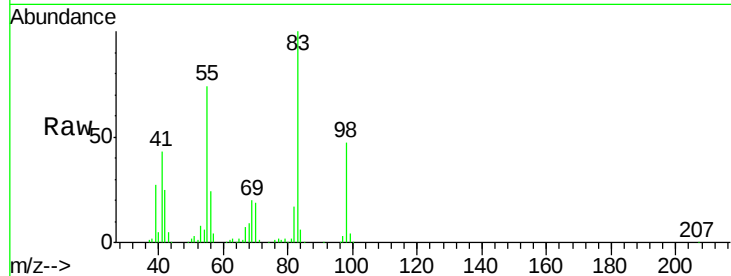
#39
Methvlcvclohexane
Concen: 47.403 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	163352		
55	73.8		57.8	86.8
98	46.5		36.4	54.6

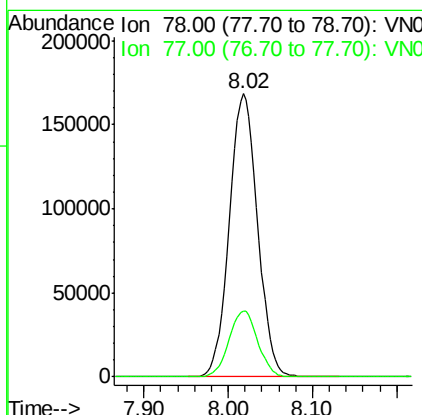
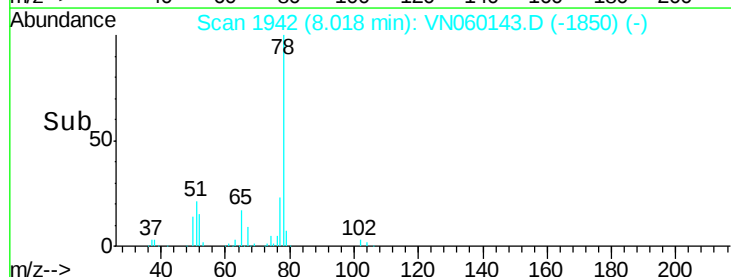
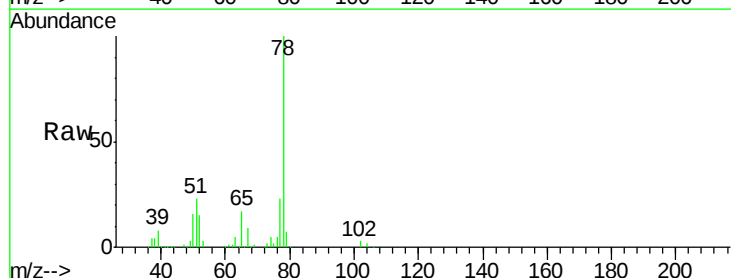
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#40
Benzene
Concen: 47.662 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	392494		
77	23.4		18.8	28.2





#41

Methacrylonitrile

Concen: 51.838 ug/l m

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 54543

Ion Ratio Lower Upper

41 100

39 171.1 0.0 0.0#

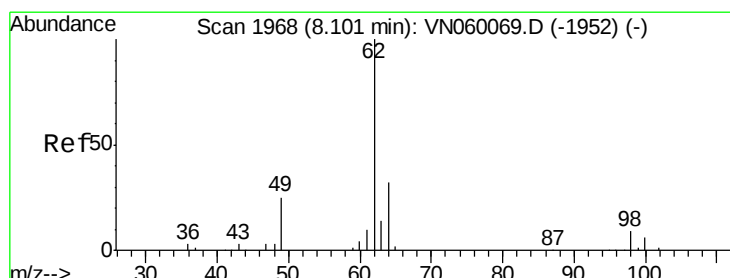
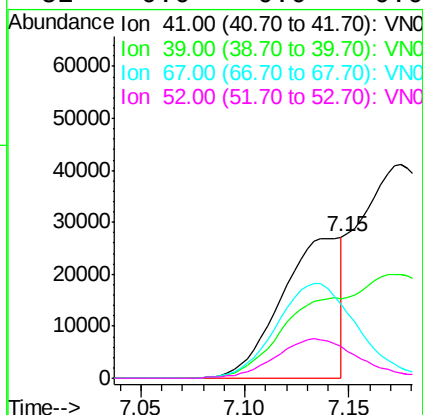
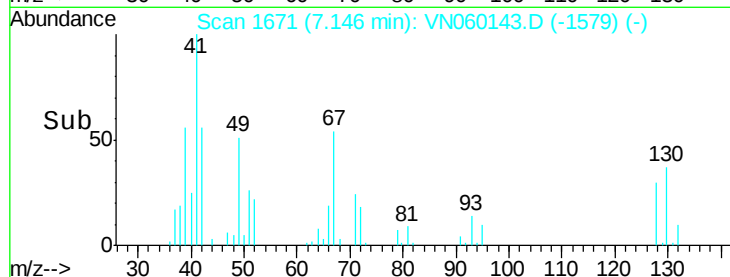
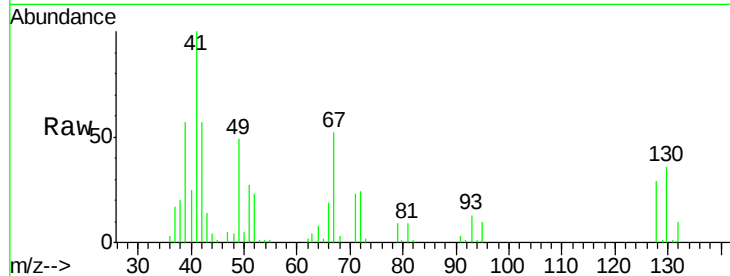
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 48.633 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VN060143.D

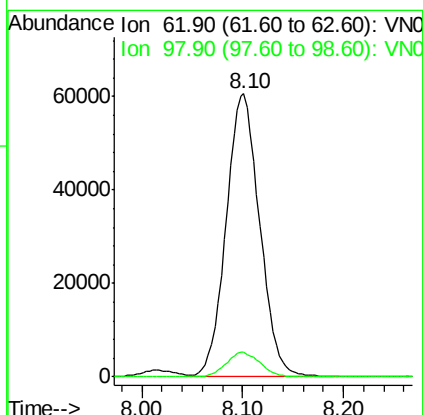
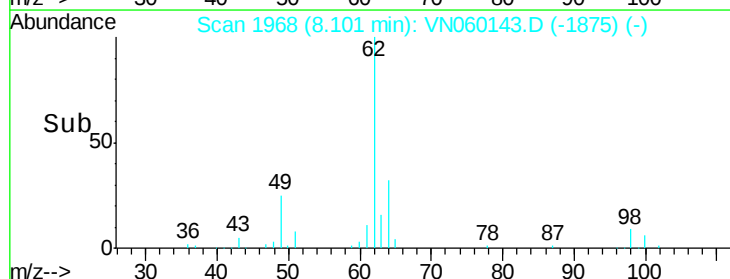
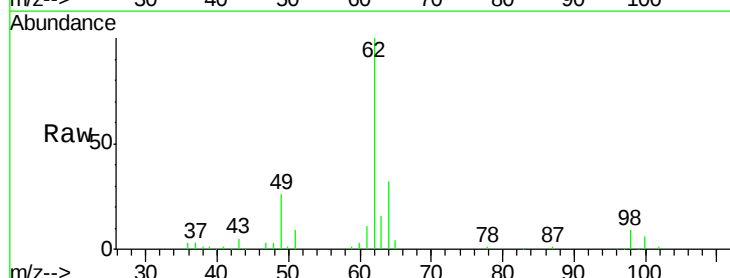
Acq: 19 Feb 2020 9:44

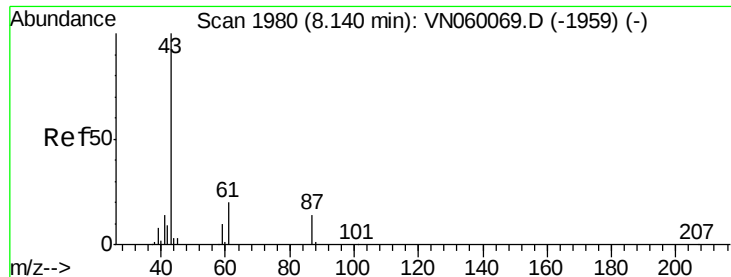
Tgt Ion: 62 Resp: 140365

Ion Ratio Lower Upper

62 100

98 8.7 0.0 18.2





#43

Isopropyl Acetate

Concen: 48.807 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

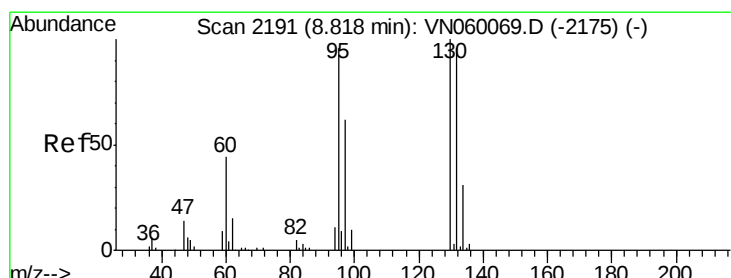
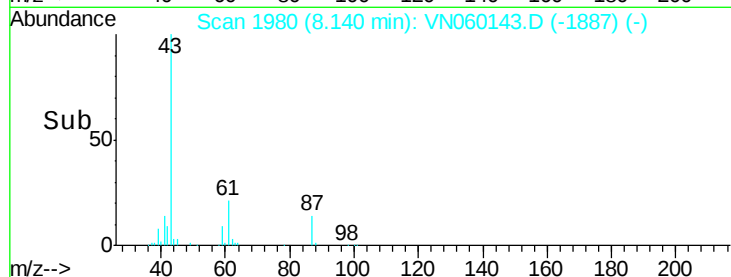
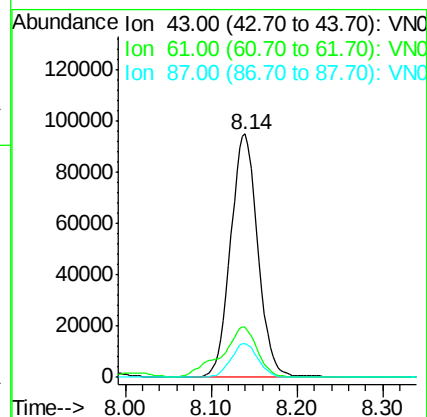
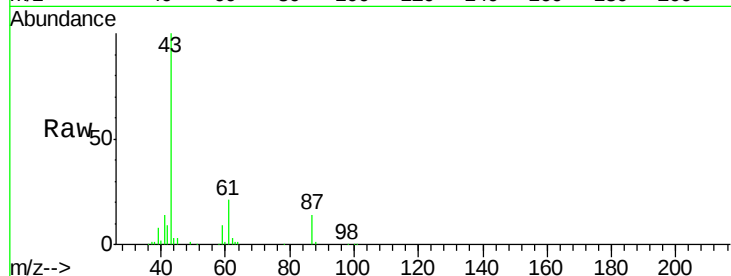
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	209326
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.8	32.6
87	13.8	11.4	17.2

Manual Integrations
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2/21/2020 11:48:17 AM



#44

Trichloroethene

Concen: 47.715 ug/l

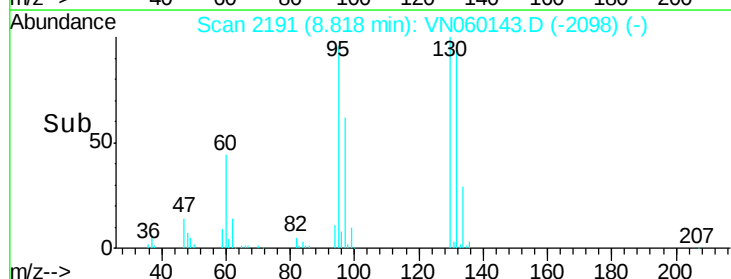
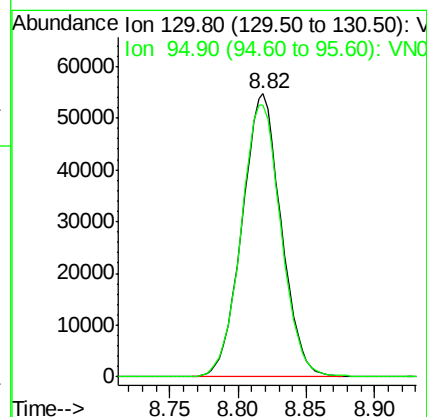
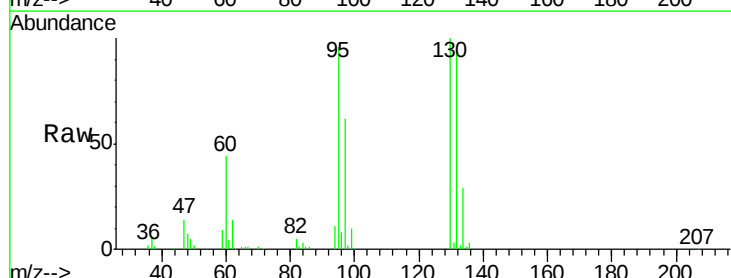
RT: 8.82 min Scan# 2191

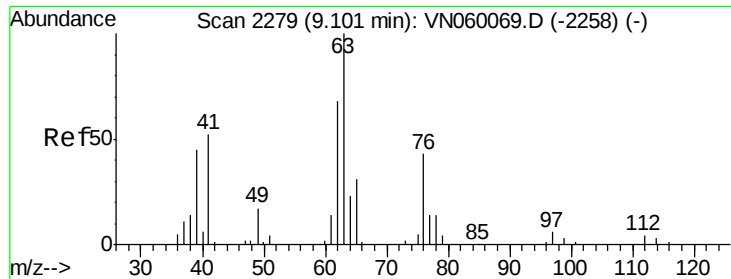
Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	130	Resp:	108800
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	192.4





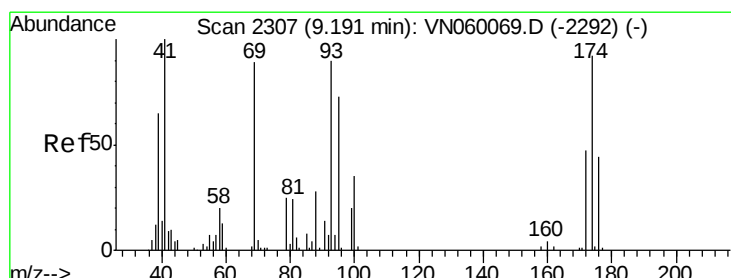
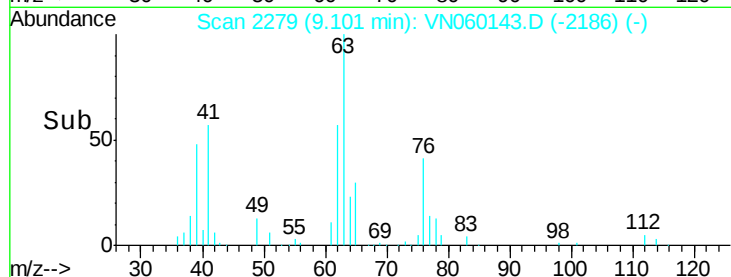
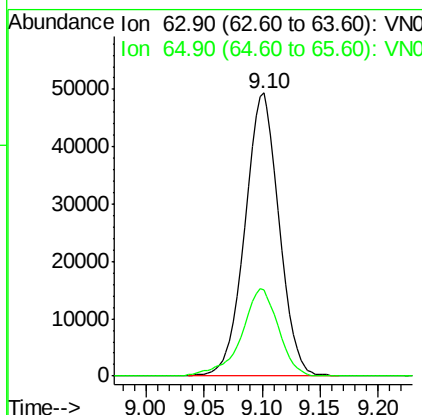
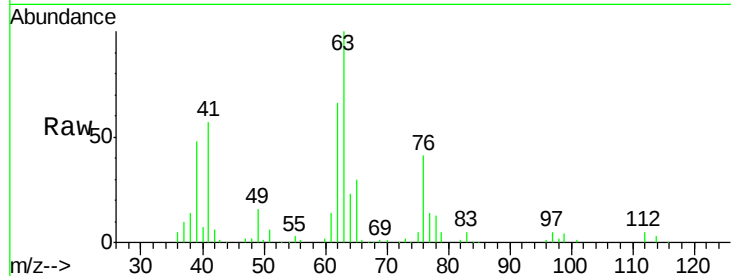
#45
 1,2-Dichloropropane
 Concen: 49.818 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 101567
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.4

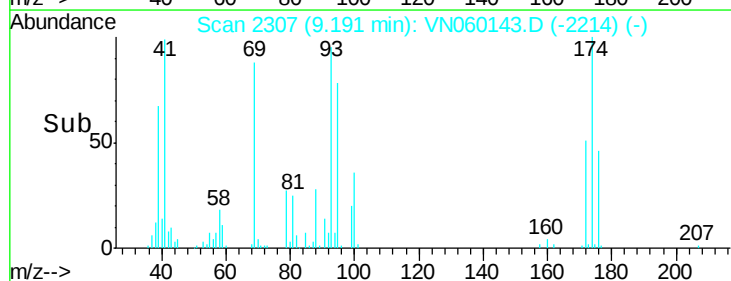
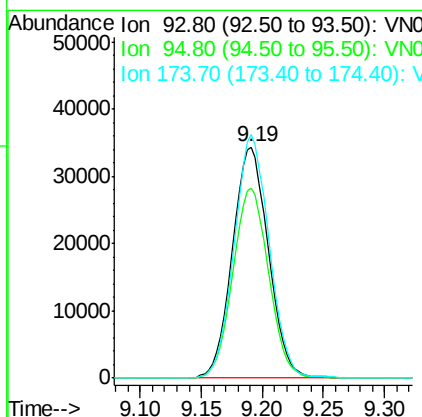
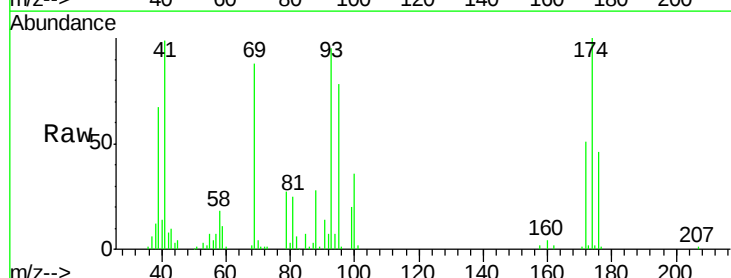
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#46
 Dibromomethane
 Concen: 48.790 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion: 93 Resp: 70293
 Ion Ratio Lower Upper
 93 100
 95 81.7 65.0 97.6
 174 102.2 82.3 123.5





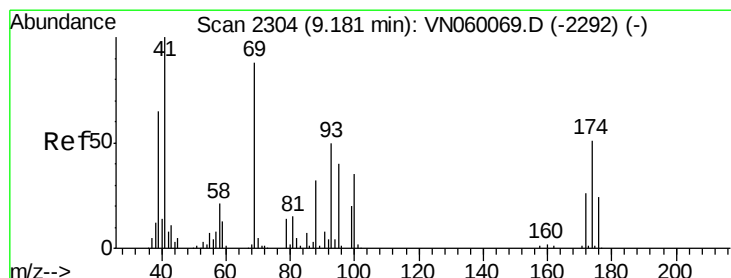
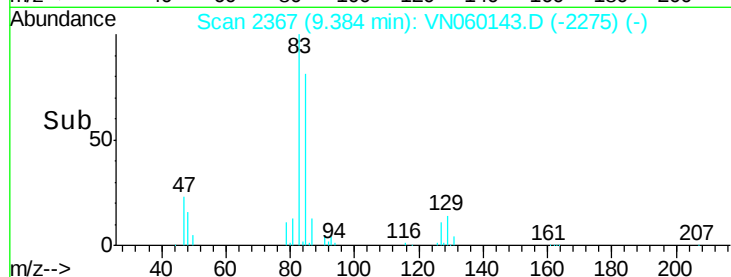
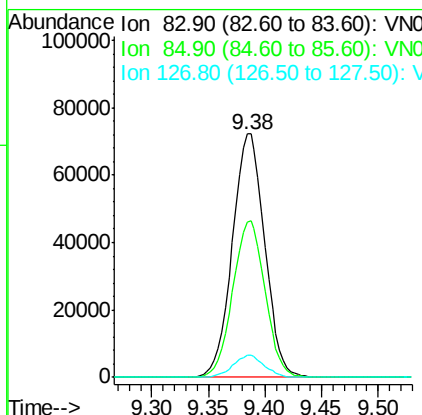
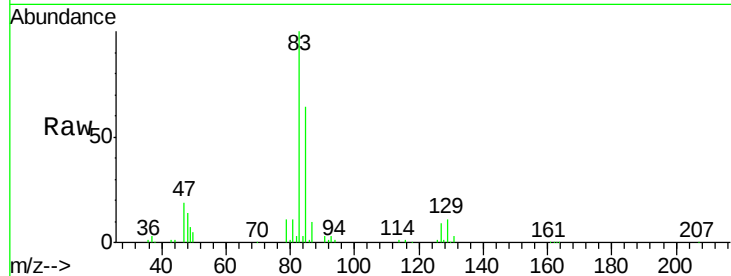
#47
Bromodichloromethane
Concen: 49.104 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	143831
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	50.6	75.8
127	8.9	7.0	10.6

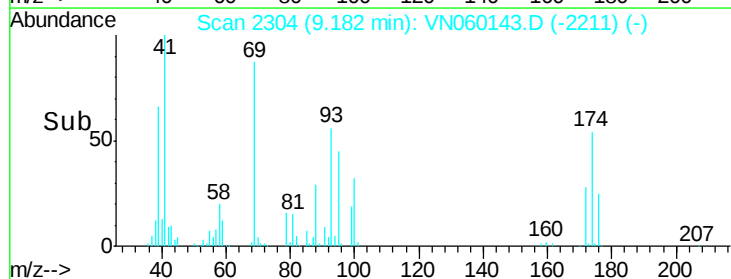
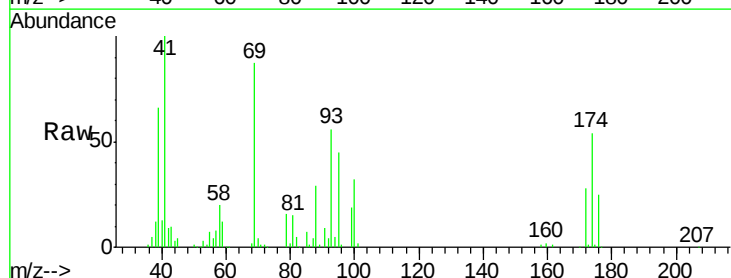
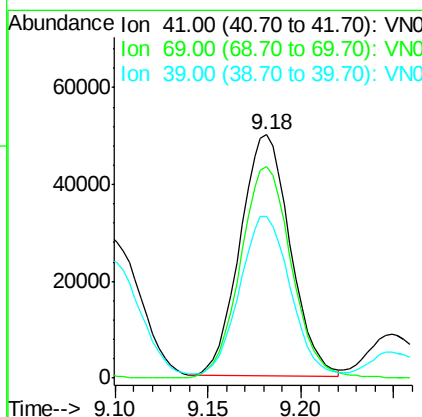
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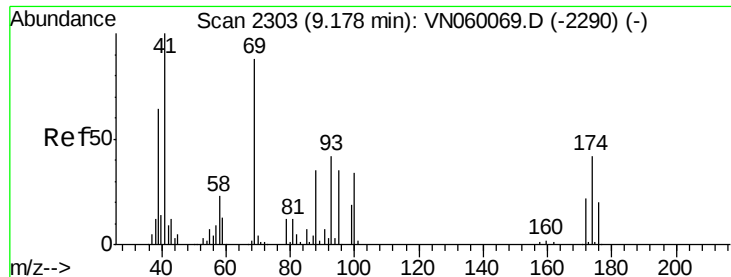
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2/21/2020 11:48:17 AM



#48
Methyl methacrylate
Concen: 48.784 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	41	Resp	93872
Ion Ratio	100	Lower	Upper
41	100		
69	89.3	72.0	108.0
39	69.0	54.1	81.1





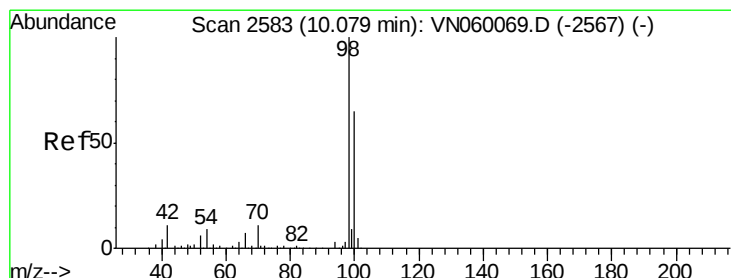
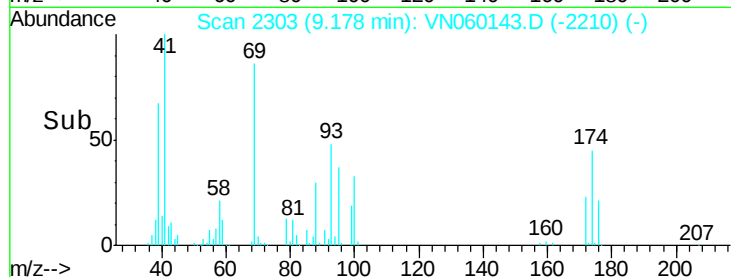
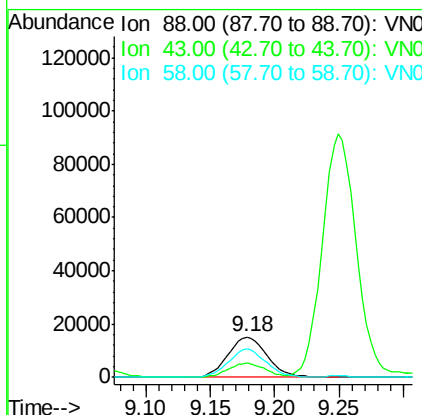
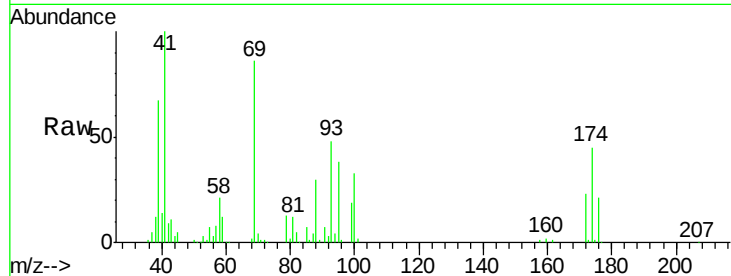
#49
1,4-Dioxane
Concen: 971.725 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.2
58	67.6	53.2	79.8

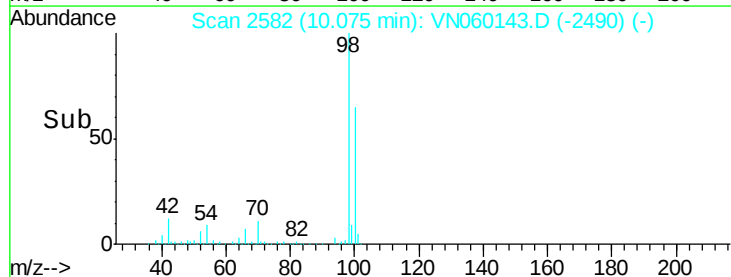
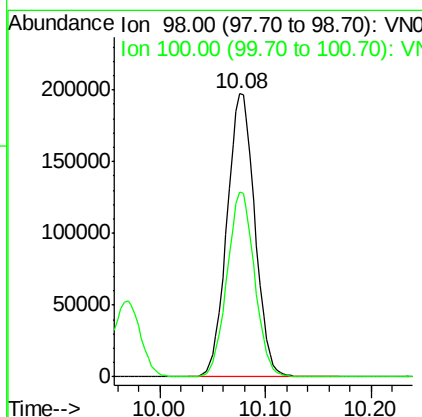
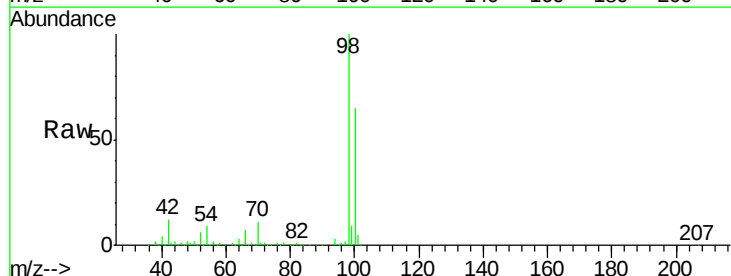
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#50
Toluene-d8
Concen: 49.580 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 249.614 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 619652

Ion Ratio Lower Upper

43 100

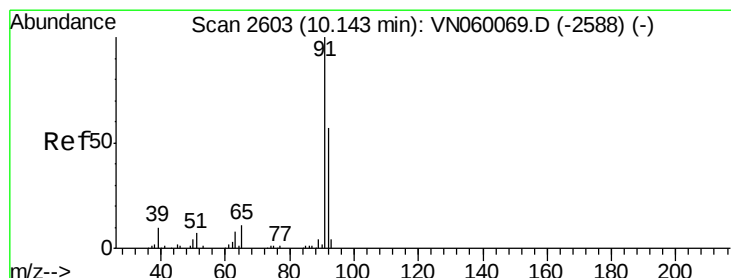
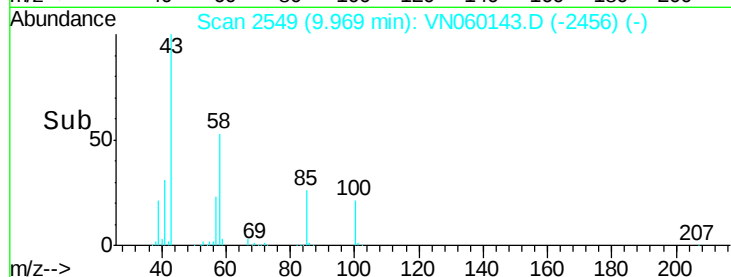
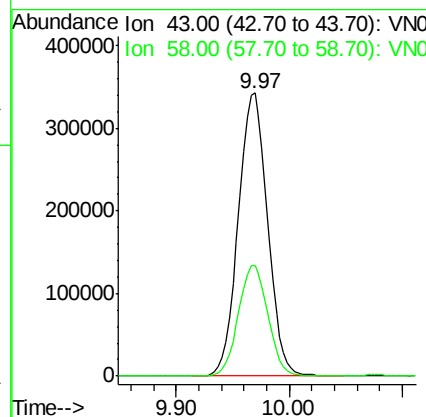
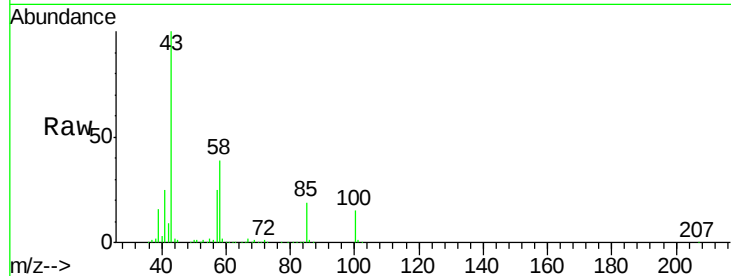
58 39.4 31.8 47.8

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#52

Toluene

Concen: 48.184 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060143.D

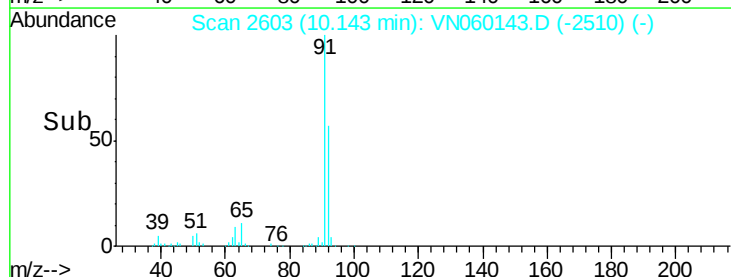
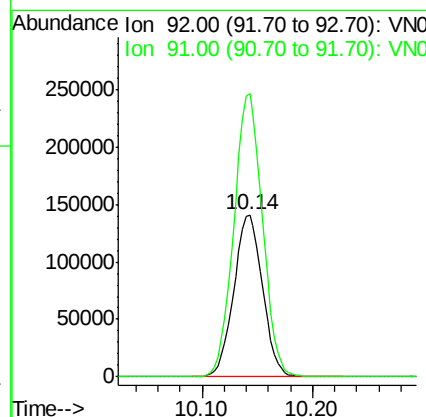
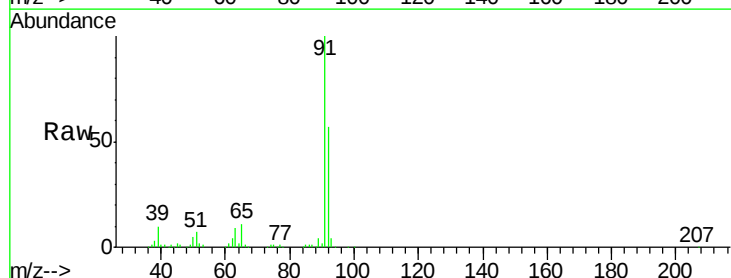
Acq: 19 Feb 2020 9:44

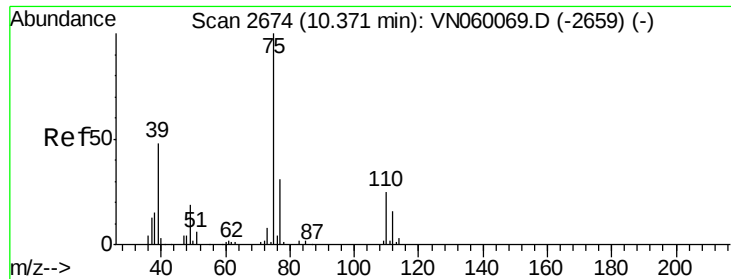
Tgt Ion: 92 Resp: 254447

Ion Ratio Lower Upper

92 100

91 174.1 140.9 211.3





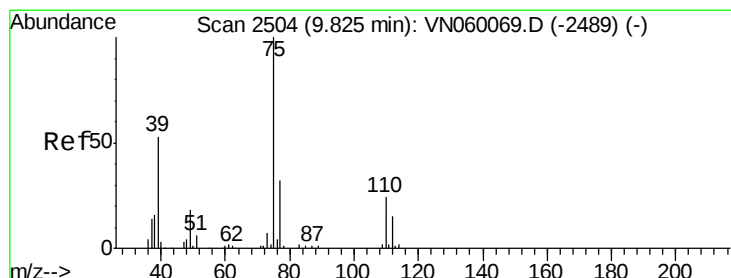
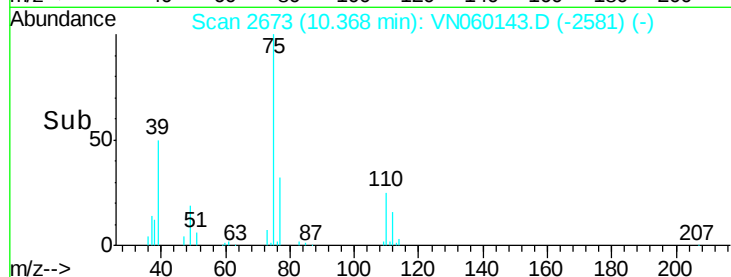
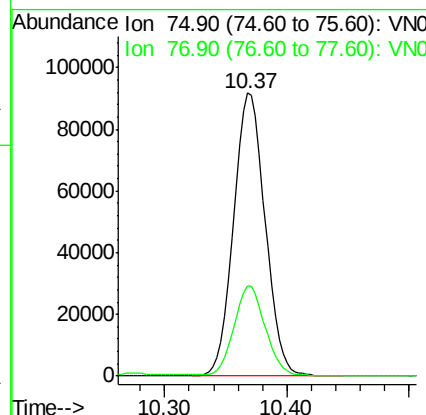
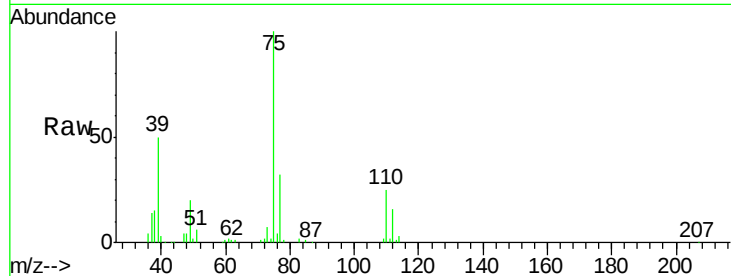
#53
t-1,3-Dichloropropene
Concen: 50.049 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 165474
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

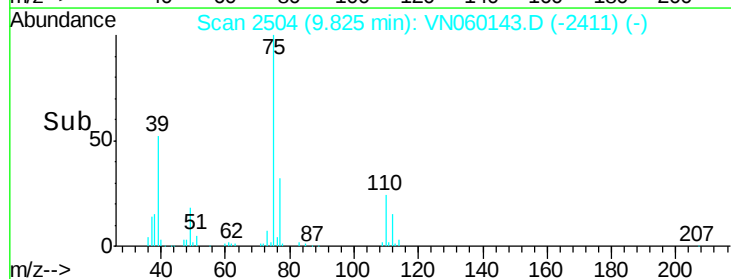
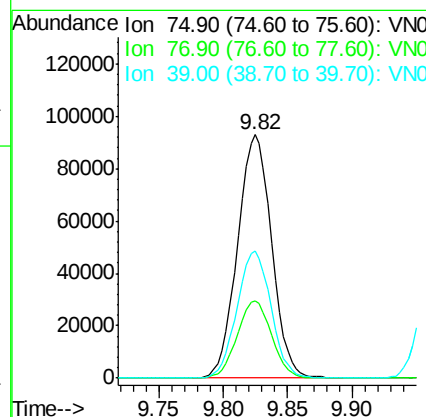
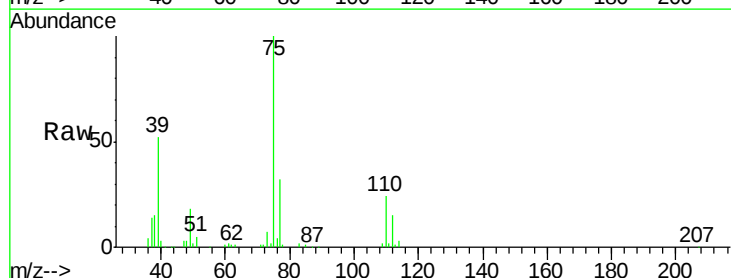
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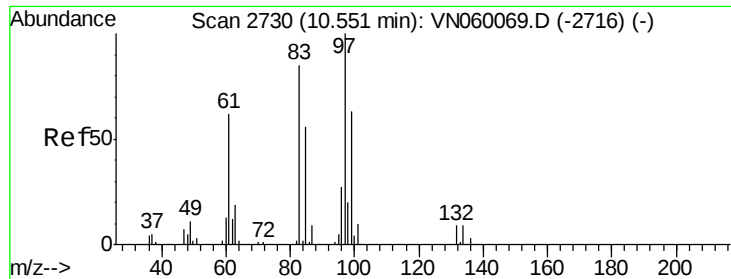
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#54
cis-1,3-Dichloropropene
Concen: 49.114 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 75 Resp: 170992
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 52.1 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 48.281 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

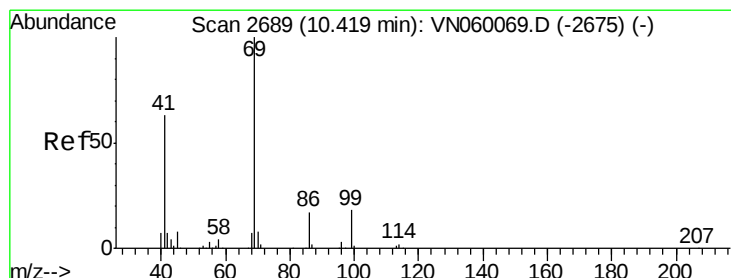
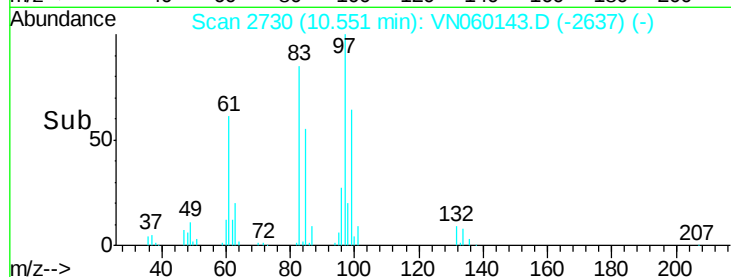
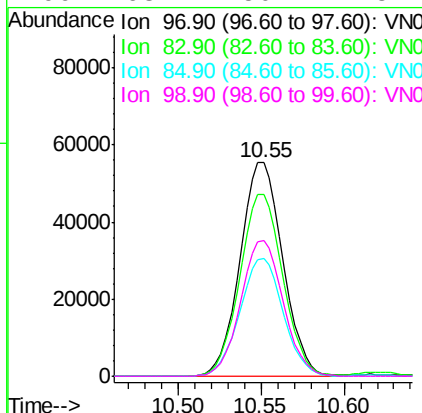
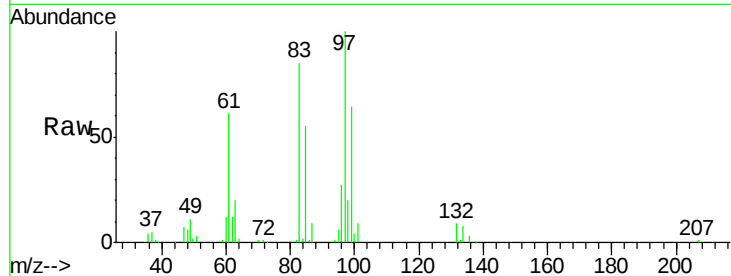
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	99466
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.9	101.9
85	55.1	44.6	67.0
99	63.7	50.1	75.1

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#56

Ethyl methacrylate

Concen: 50.574 ug/l

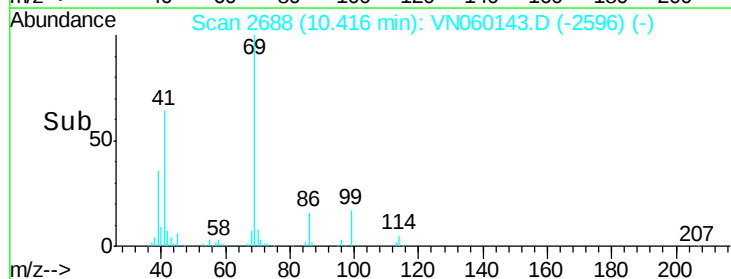
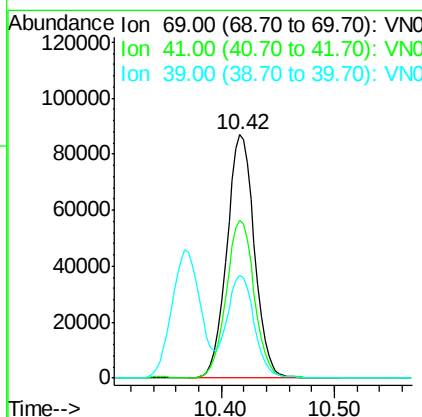
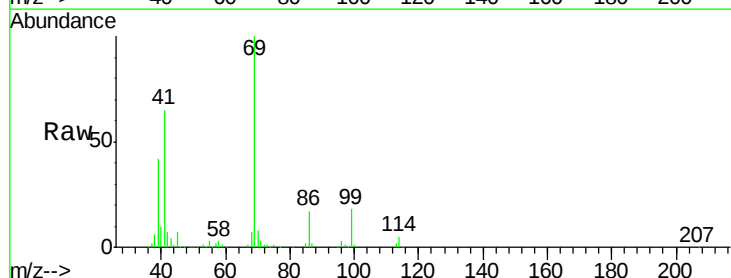
RT: 10.42 min Scan# 2688

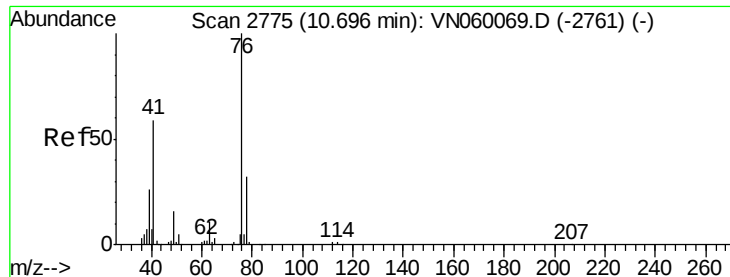
Delta R.T. -0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	69	Resp:	147391
Ion	Ratio	Lower	Upper
69	100		
41	65.2	51.1	76.7
39	42.7	33.8	50.8





#57

1,3-Dichloropropane

Concen: 48.549 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 165036

Ion Ratio Lower Upper

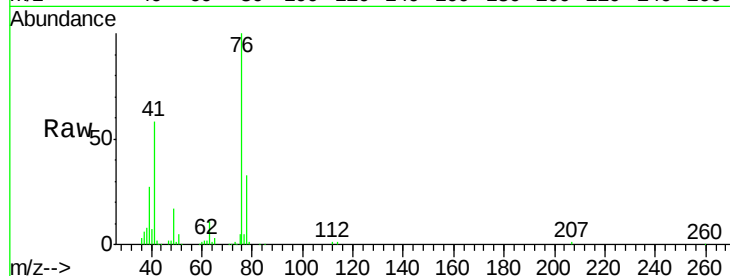
76 100

78 32.2 25.7 38.5

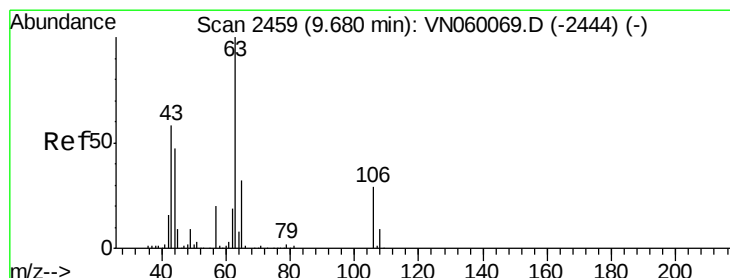
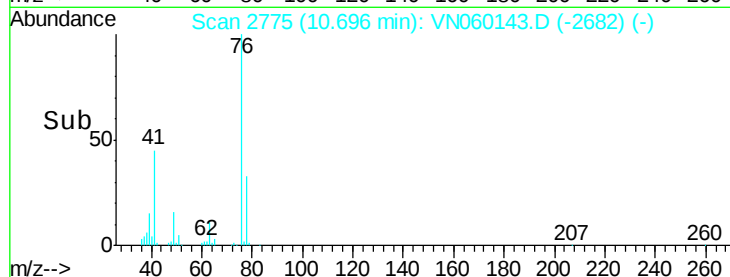
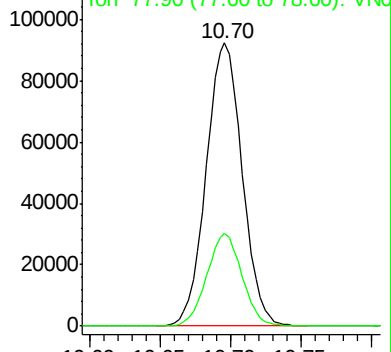
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Abundance Ion 75.90 (75.60 to 76.60): VN060143.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 257.826 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060143.D

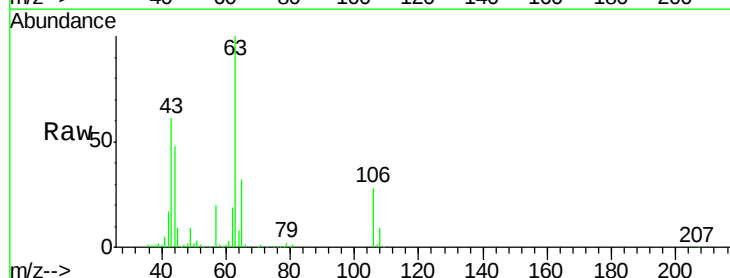
Acq: 19 Feb 2020 9:44

Tgt Ion: 63 Resp: 350052

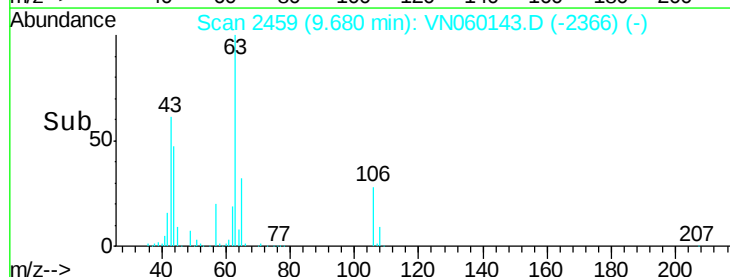
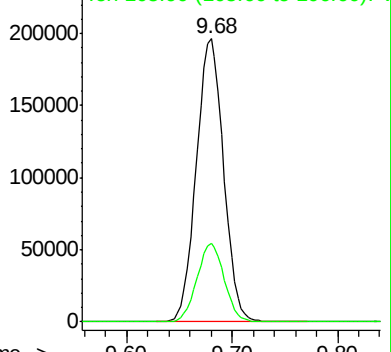
Ion Ratio Lower Upper

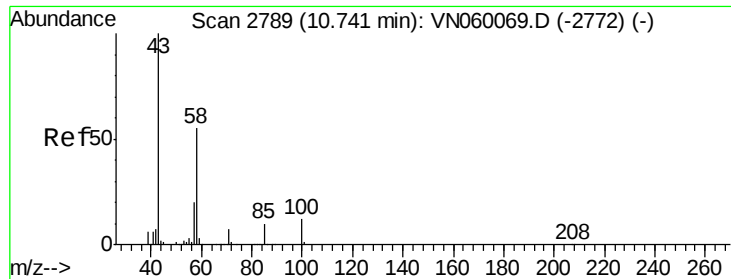
63 100

106 27.8 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VN060143.D (-2366) (-)





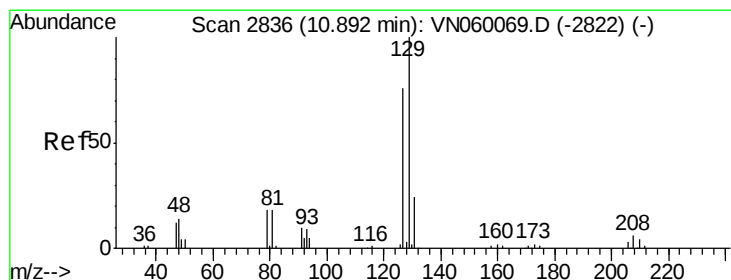
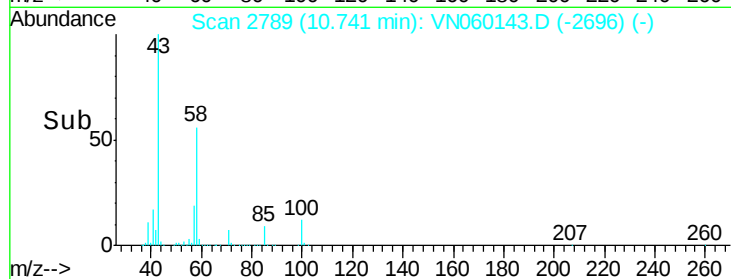
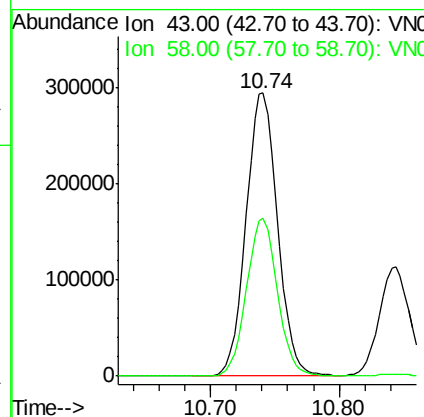
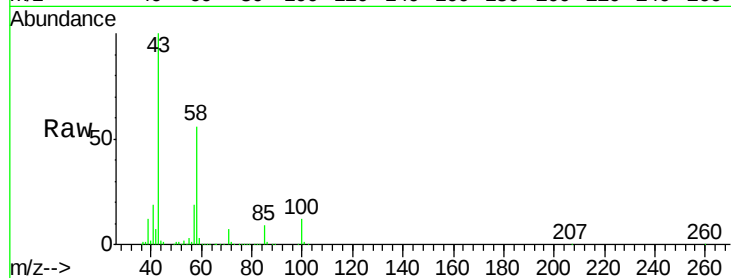
#59
2-Hexanone
Concen: 261.102 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 500695
Ion Ratio Lower Upper
43 100
58 54.9 27.5 82.4

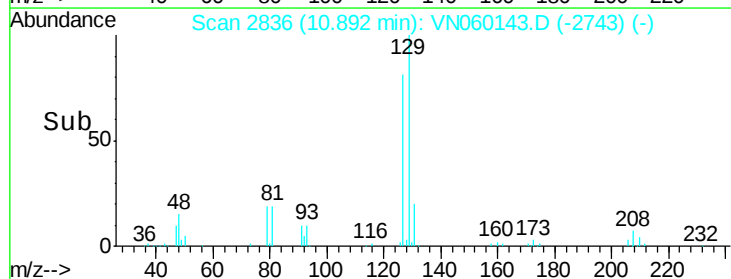
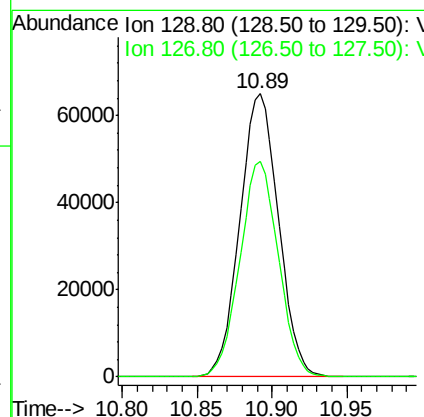
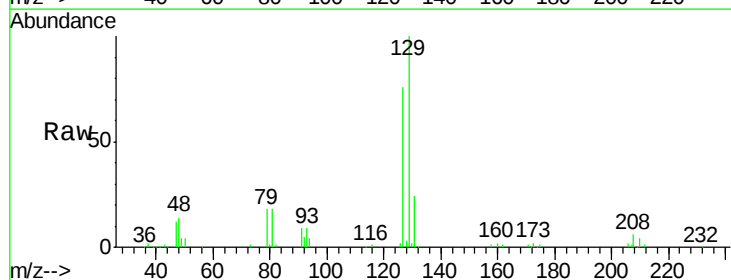
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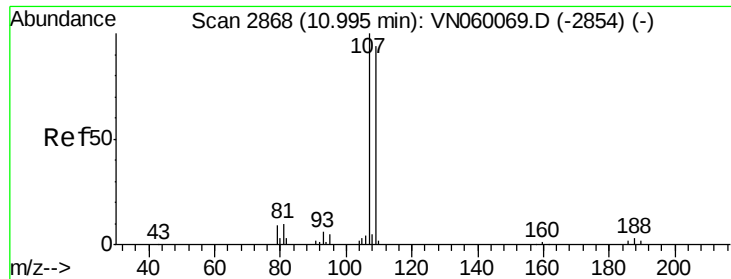
MMDadoda
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#60
Dibromochloromethane
Concen: 49.493 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion: 129 Resp: 117007
Ion Ratio Lower Upper
129 100
127 75.9 38.0 114.1





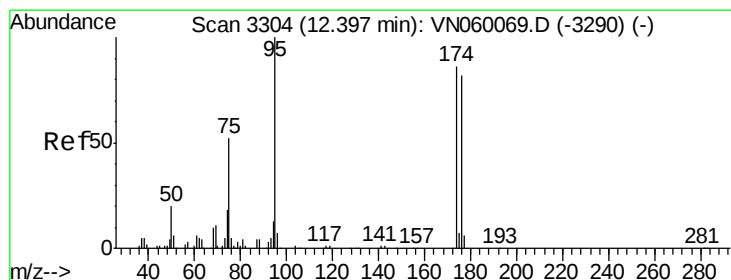
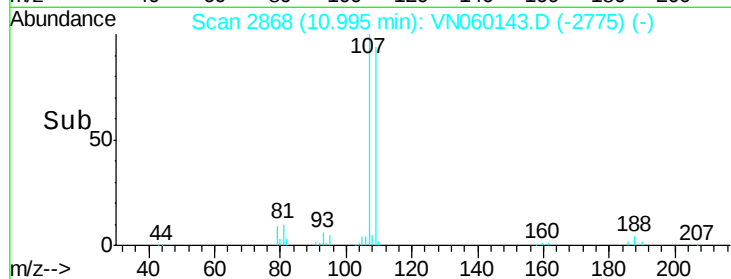
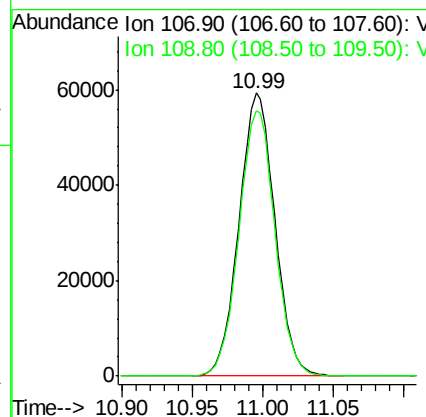
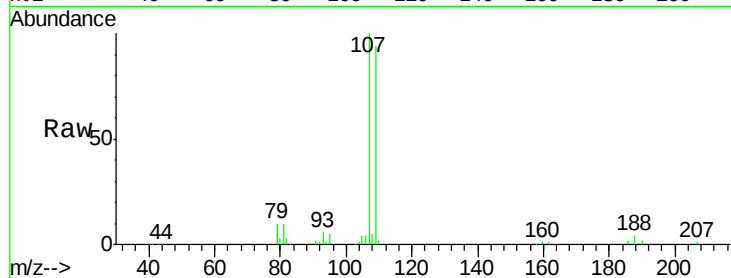
#61
 1,2-Dibromoethane
 Concen: 48.930 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

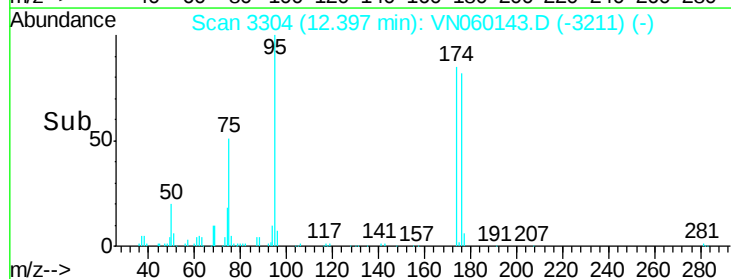
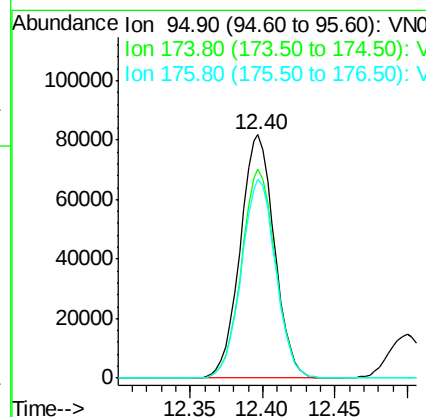
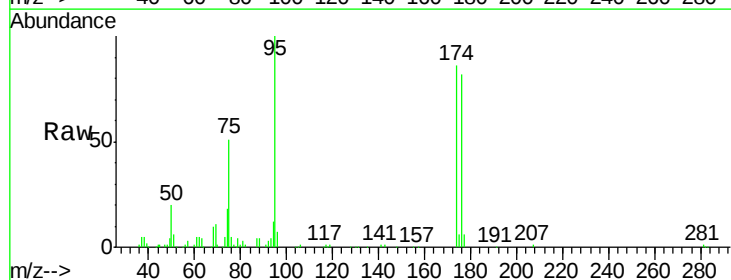
Manual Integrations
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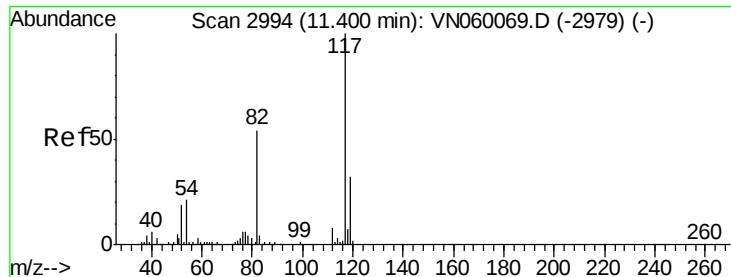
MMDadoda
 2/21/2020 11:48:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.166 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.4	0.0	169.8
176	82.0	0.0	164.8





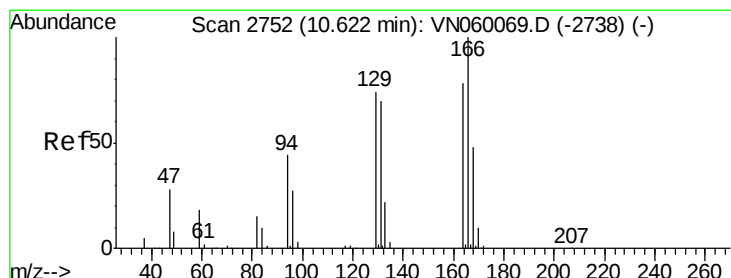
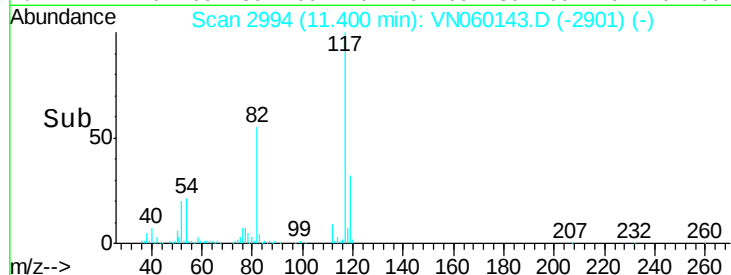
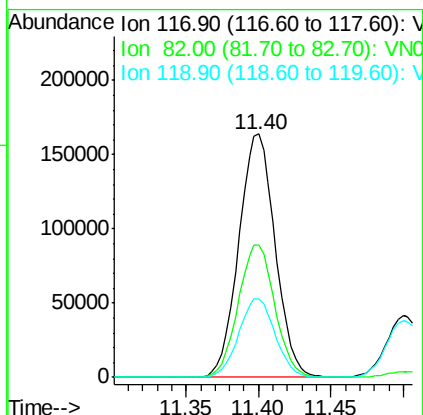
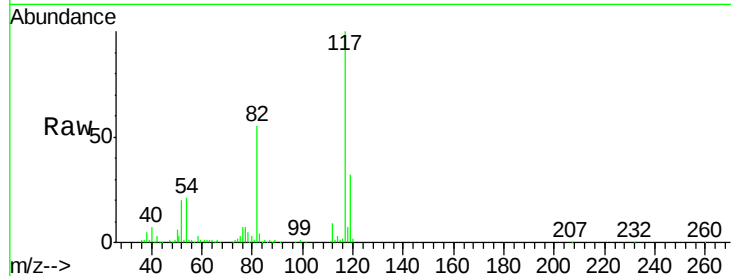
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285431		
82	54.5	43.4	65.0	
119	32.3	25.8	38.6	

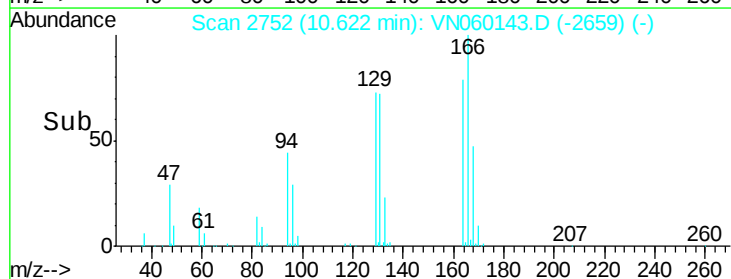
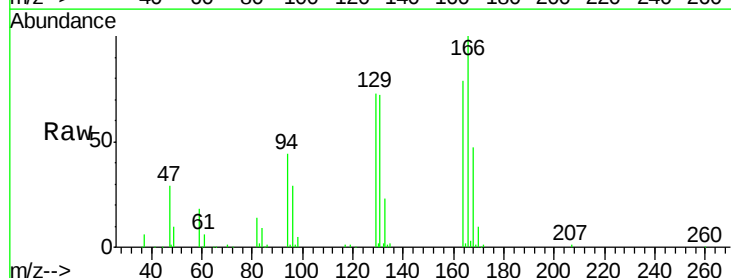
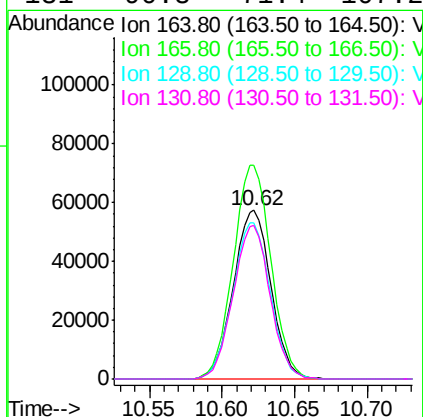
Manual Integrations
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#64
Tetrachloroethene
Concen: 47.740 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	103586		
166	126.5	101.9	152.9	
129	92.4	75.4	113.0	
131	90.8	71.4	107.2	





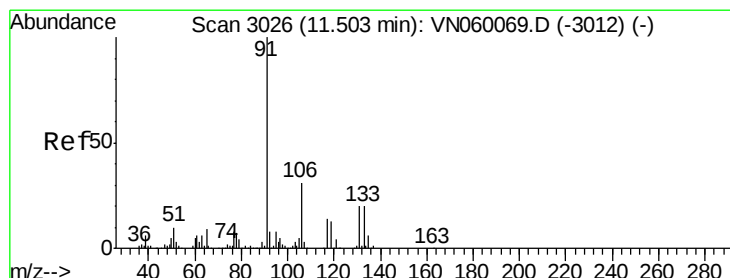
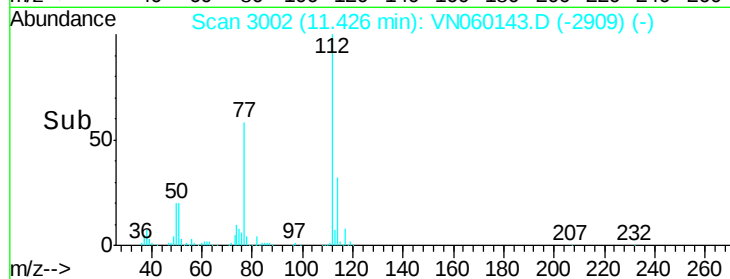
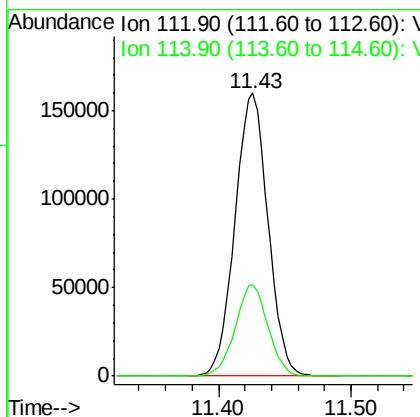
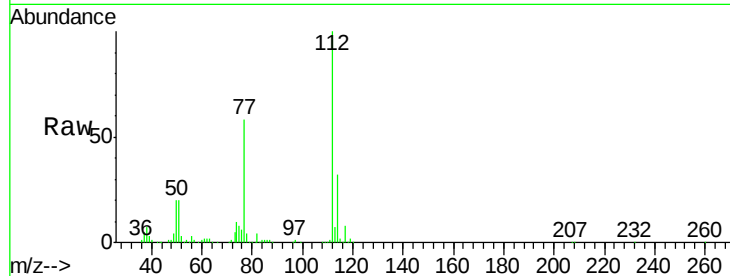
#65
Chlorobenzene
Concen: 47.442 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 275887
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

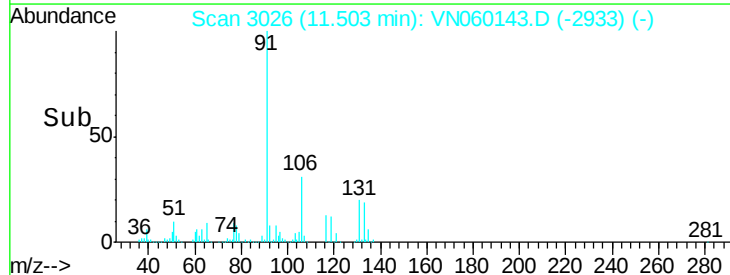
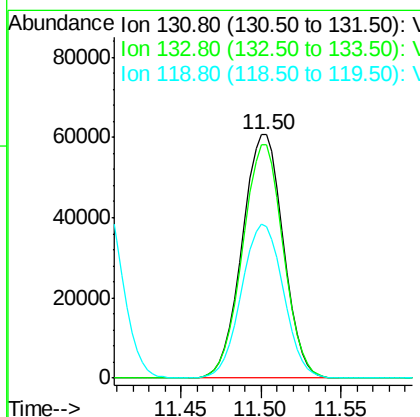
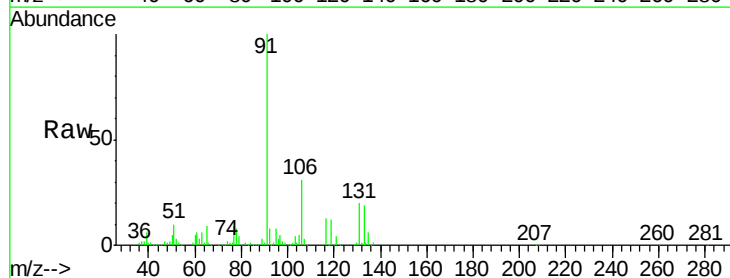
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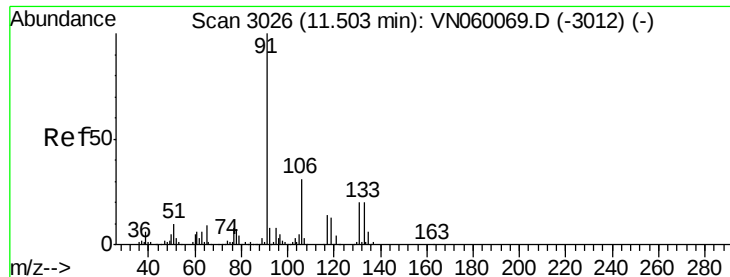
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.452 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion:131 Resp: 106588
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.7
119 64.4 32.6 97.7





#67

Ethyl Benzene

Concen: 48.172 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 505235

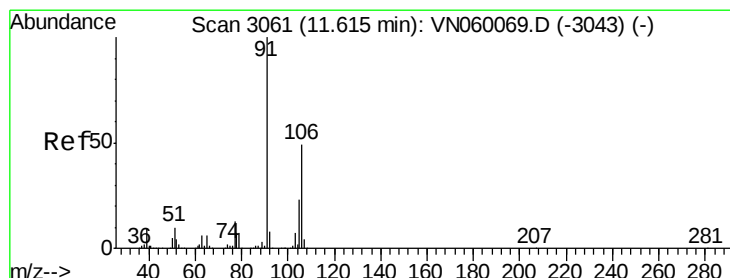
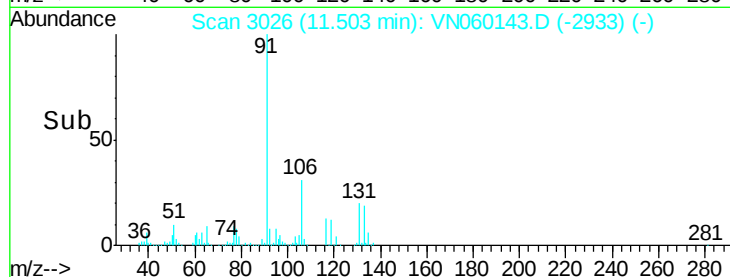
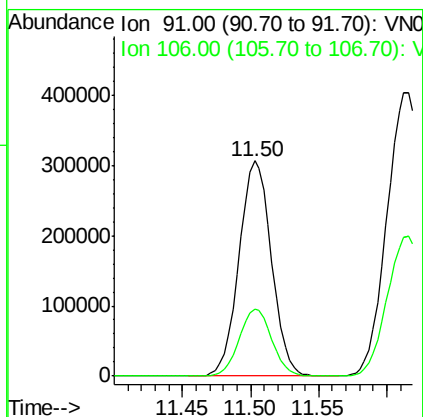
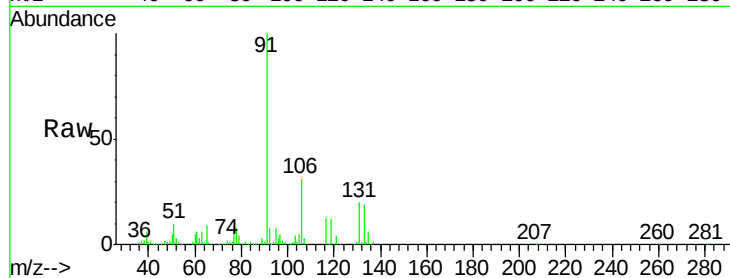
Ion Ratio Lower Upper

91 100

106 31.5 25.1 37.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 97.340 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060143.D

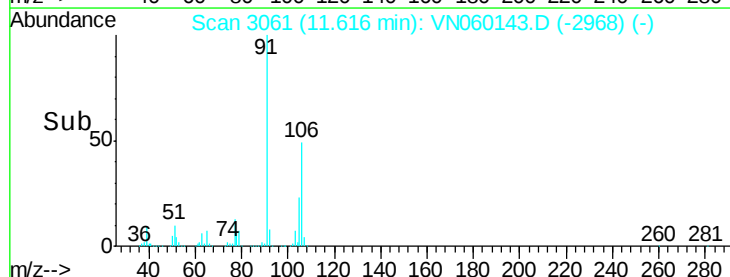
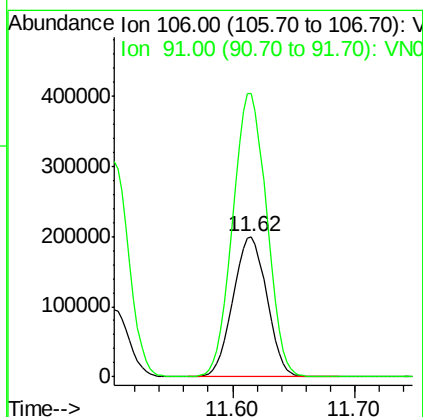
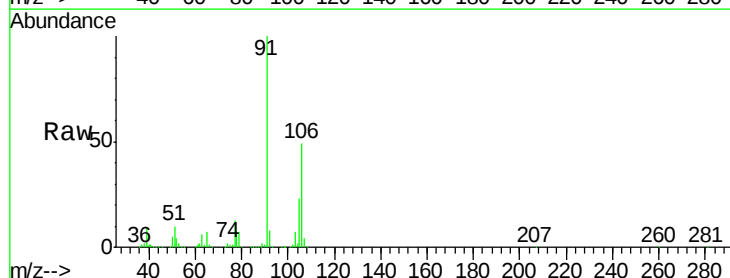
Acq: 19 Feb 2020 9:44

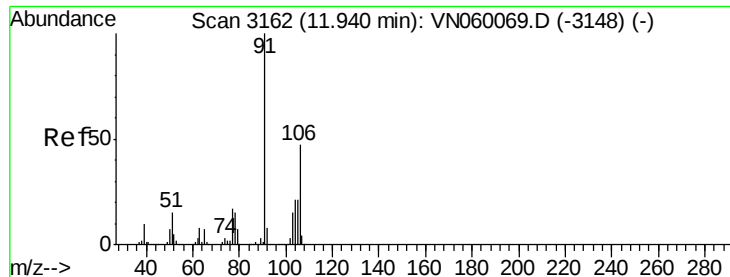
Tgt Ion: 106 Resp: 383168

Ion Ratio Lower Upper

106 100

91 202.9 162.7 244.1





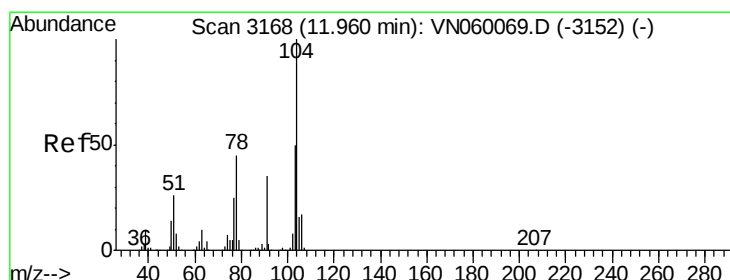
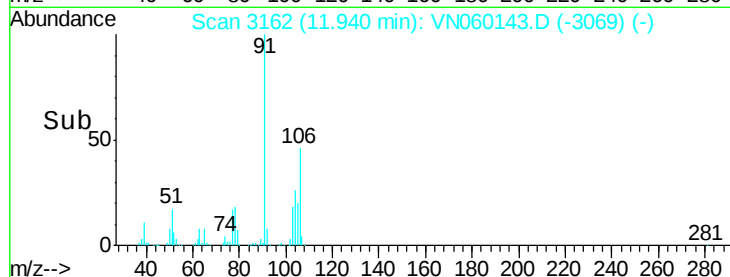
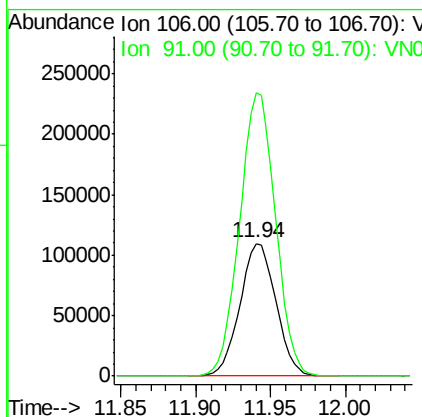
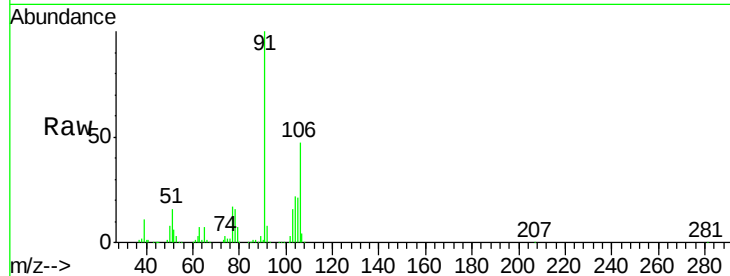
#69
o-Xylene
Concen: 48.303 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
183072	106	100		
	91	213.9	107.2	321.6

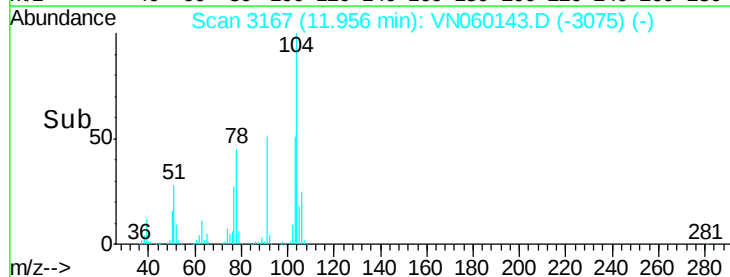
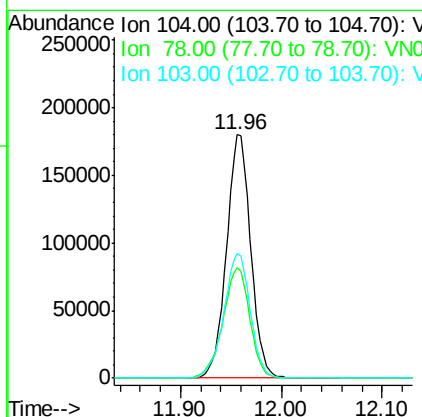
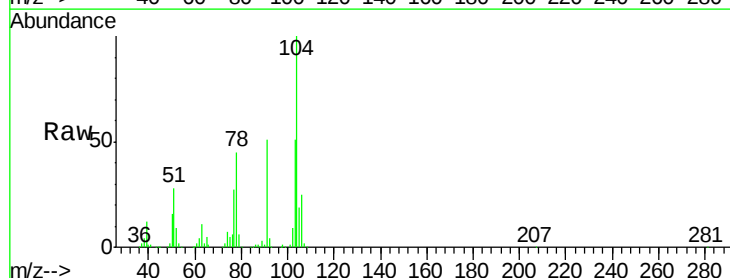
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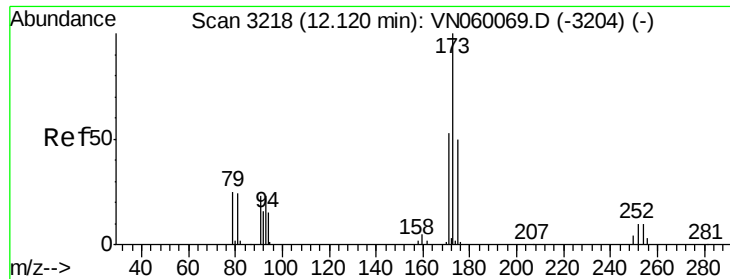
MMDadoda
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#70
Styrene
Concen: 49.511 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ion	Ratio	Lower	Upper
302606	104	100		
	78	50.2	40.2	60.2
	103	55.8	44.3	66.5





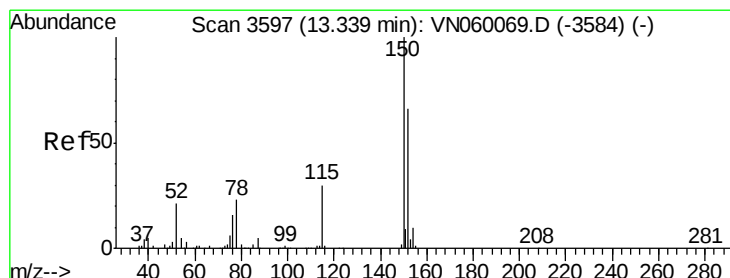
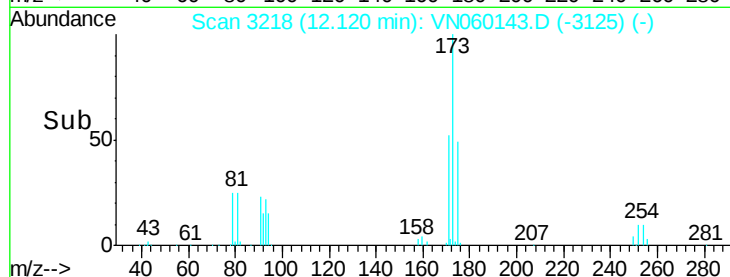
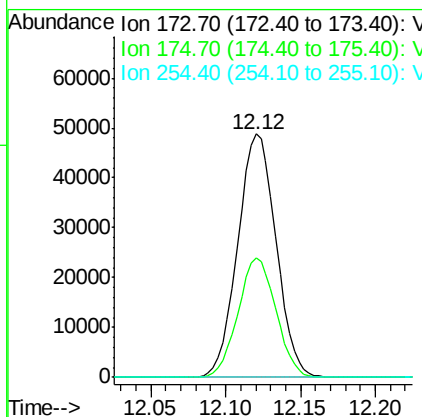
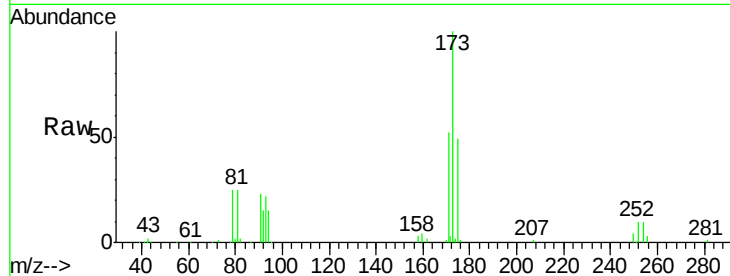
#71
Bromoform
Concen: 49.158 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.6
254	0.0	0.0	0.0

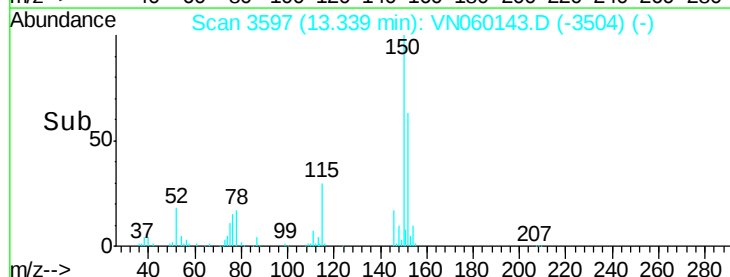
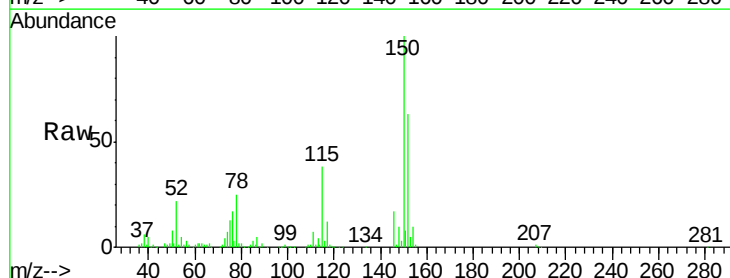
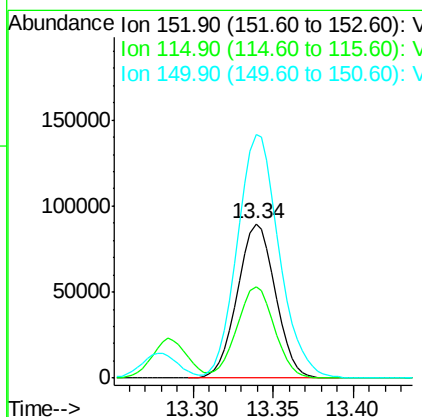
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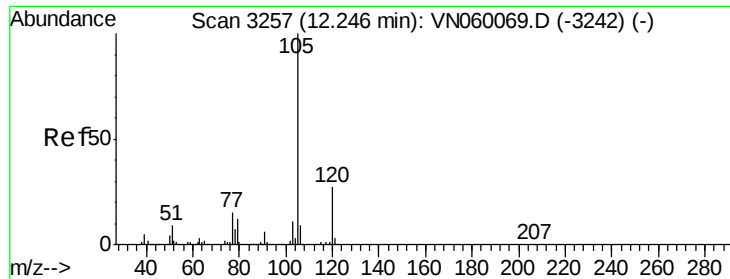
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.8
150	174.0	0.0	342.4





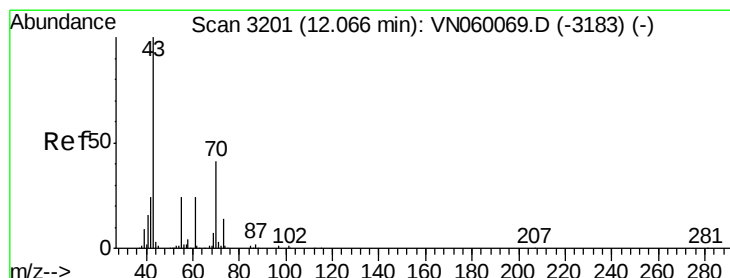
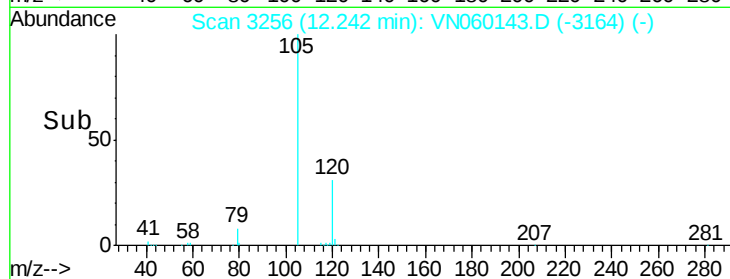
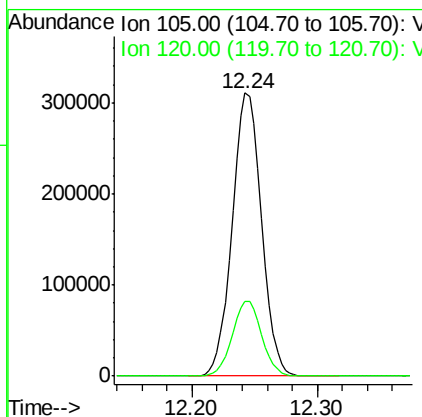
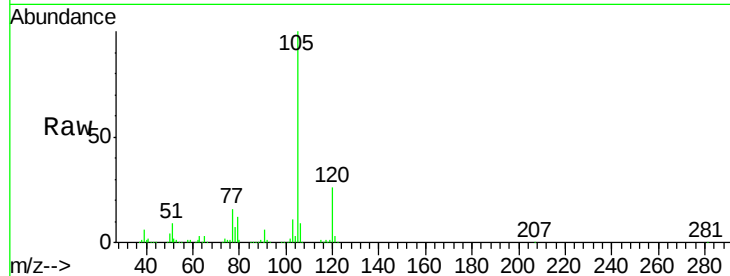
#73
Isopropylbenzene
Concen: 46.443 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

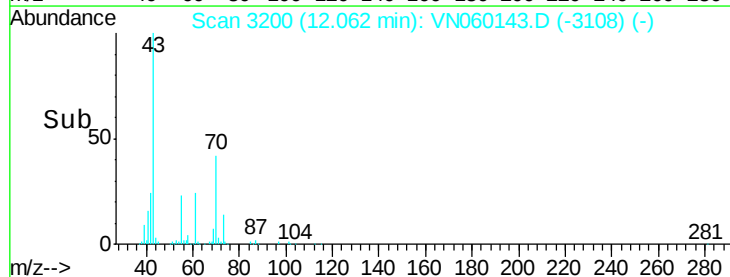
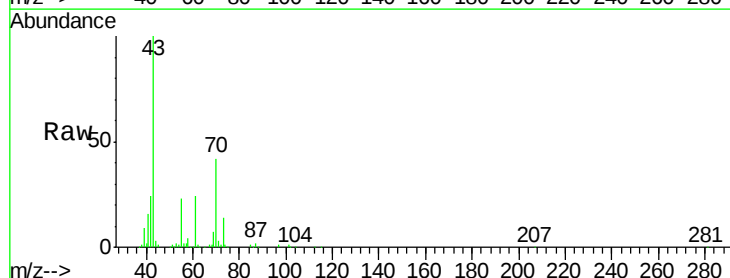
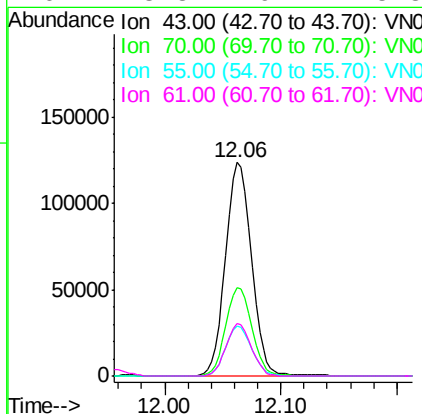
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#74
N-ethyl acetate
Concen: 49.144 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.4	50.0
55	23.5	18.8	28.2
61	23.8	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 46.022 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

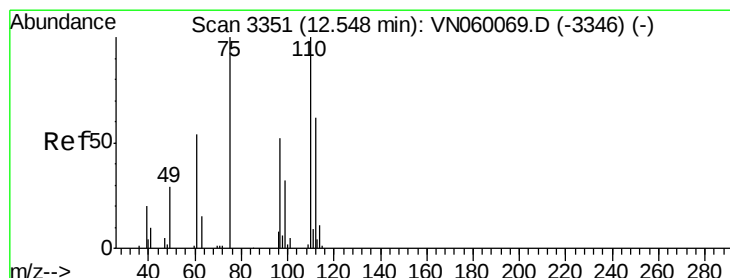
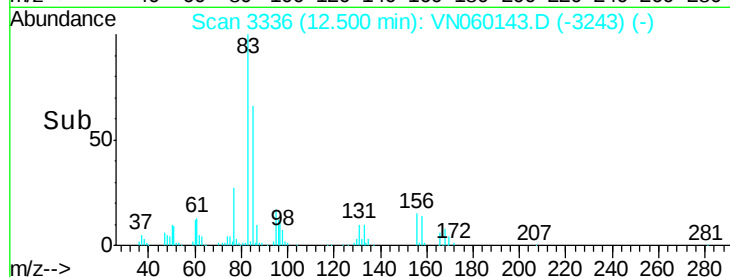
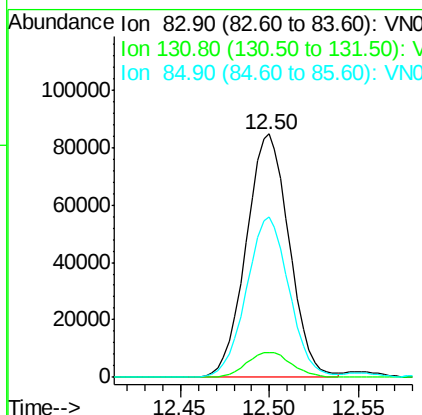
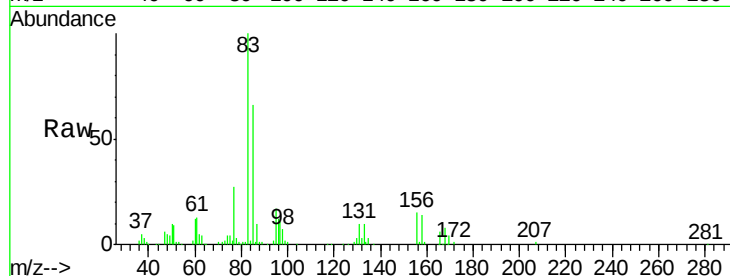
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	143312
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	65.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.073 ug/l m

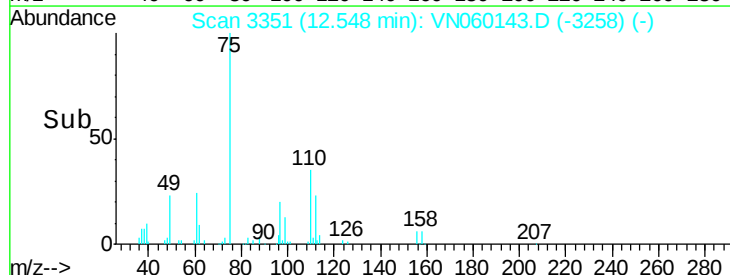
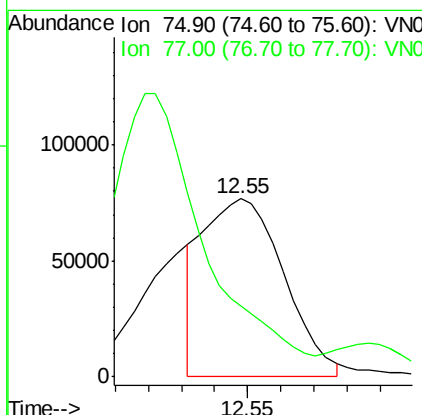
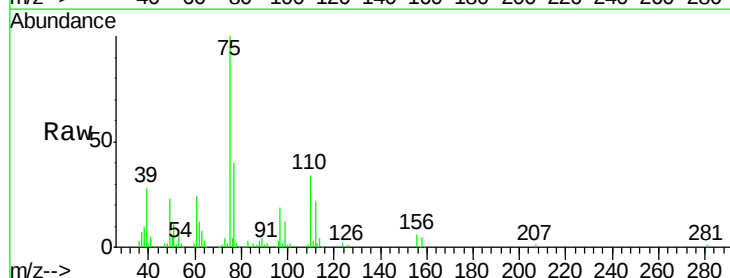
RT: 12.55 min Scan# 3351

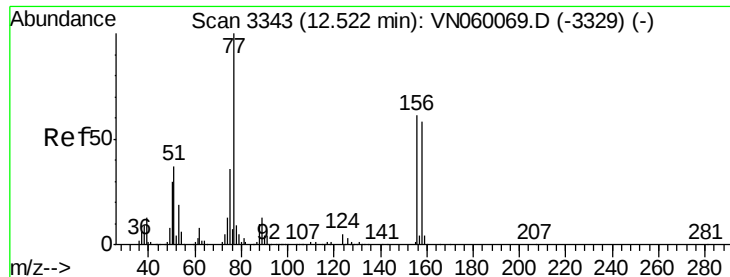
Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	75	Resp:	130476
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.330 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

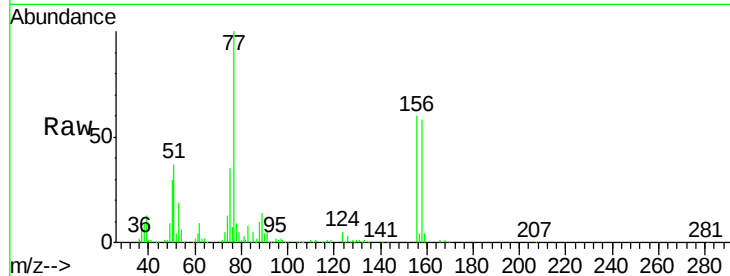
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	124389
Ion Ratio	Lower	Upper	
156	100		
77	200.3	98.7	296.1
158	97.3	48.1	144.4

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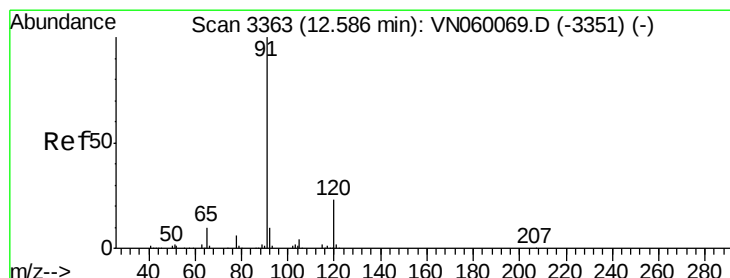
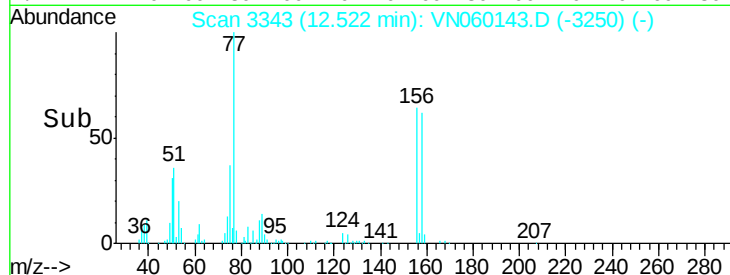
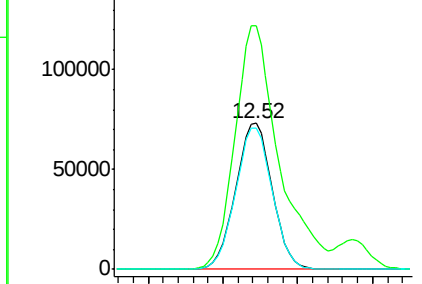
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.985 ug/l

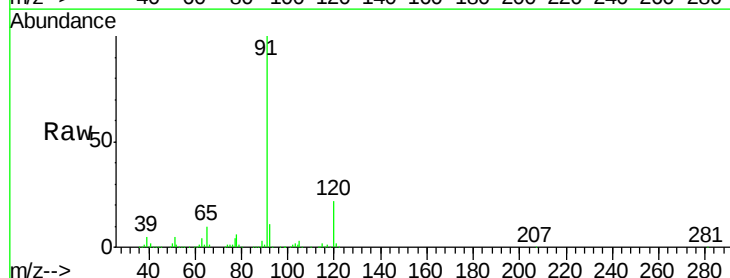
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060143.D

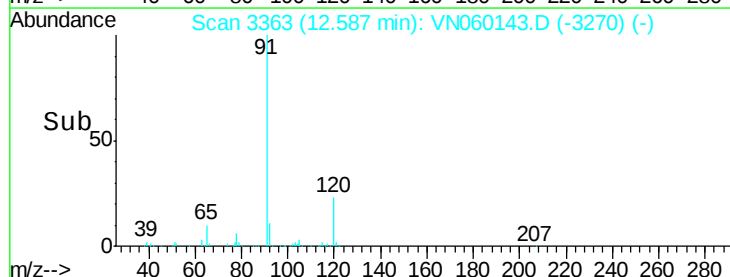
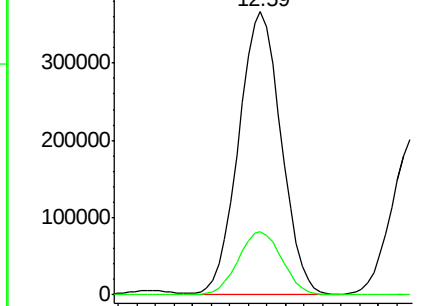
Acq: 19 Feb 2020 9:44

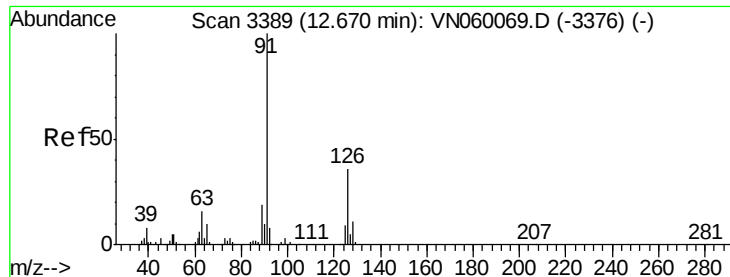
Tgt Ion:	91	Resp:	579137
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.413 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 336257

Ion Ratio Lower Upper

91 100

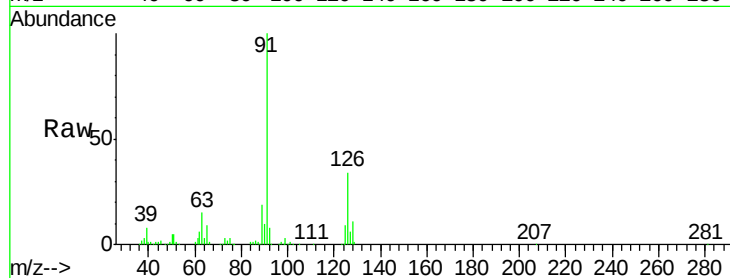
126 34.5 17.4 52.2

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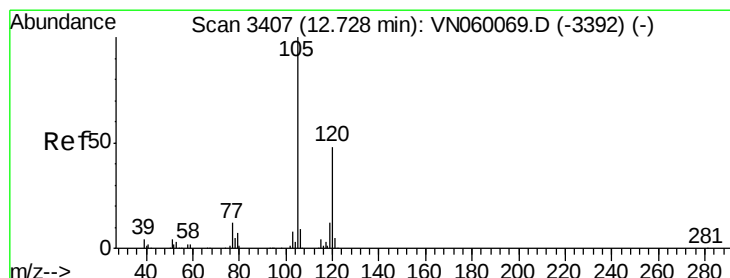
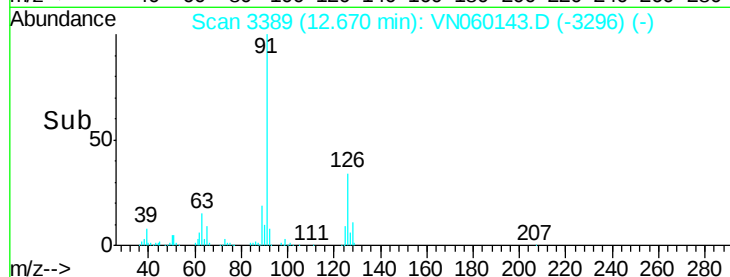
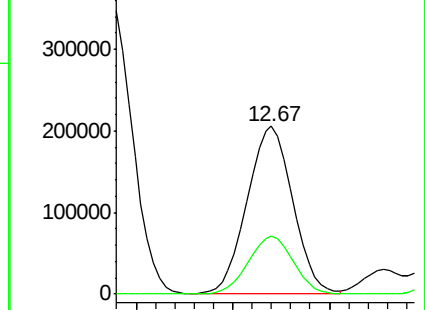
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.458 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060143.D

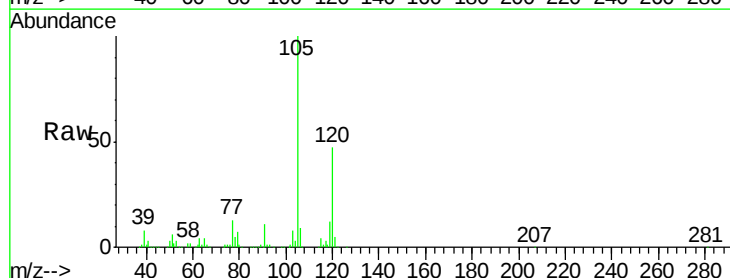
Acq: 19 Feb 2020 9:44

Tgt Ion: 105 Resp: 426896

Ion Ratio Lower Upper

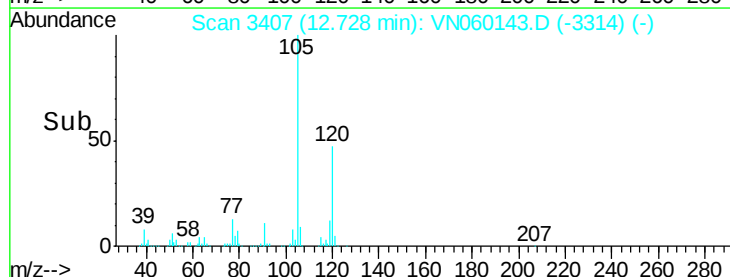
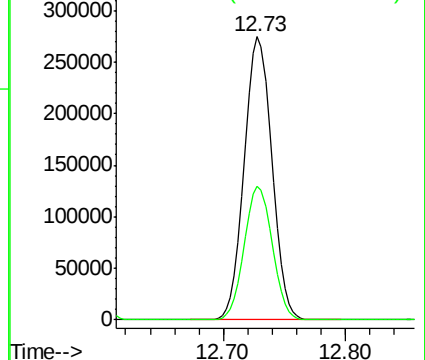
105 100

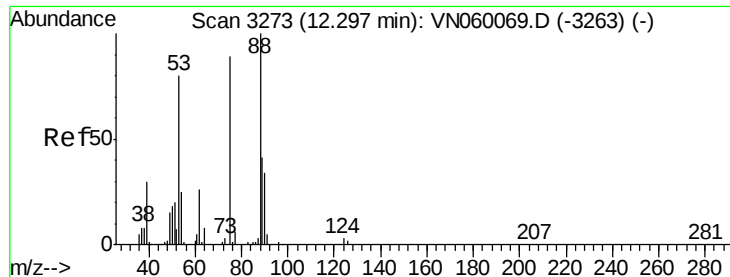
120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)





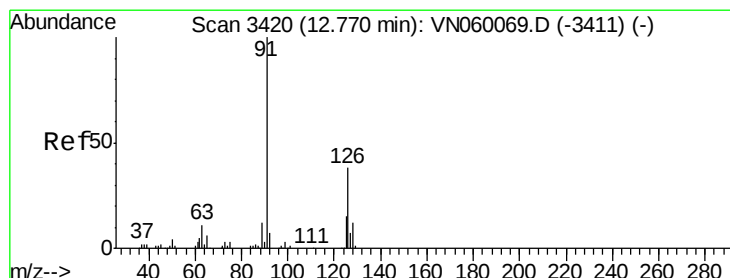
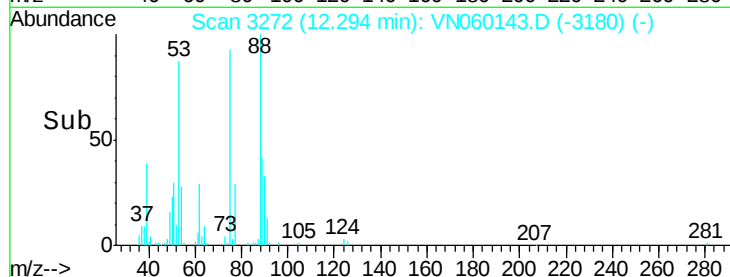
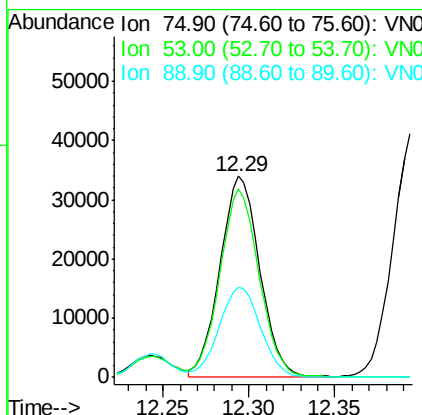
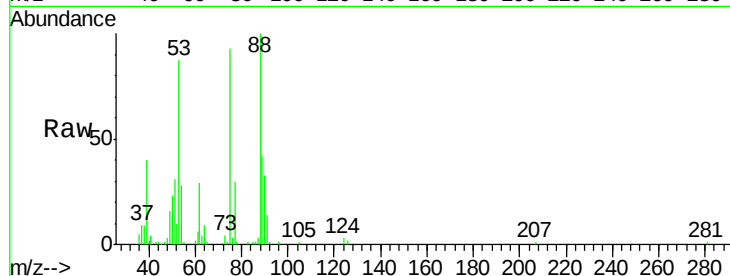
#81
trans-1,4-Dichloro-2-butene
Concen: 48.574 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	73.9	110.9
89	46.7	37.0	55.4

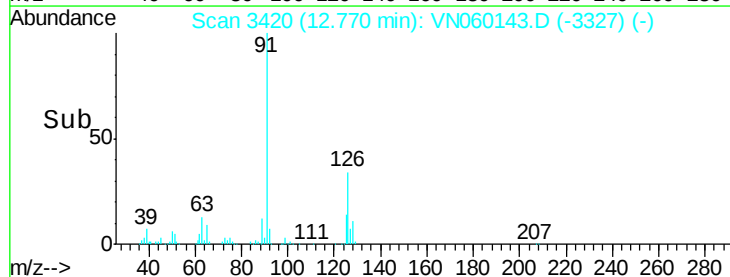
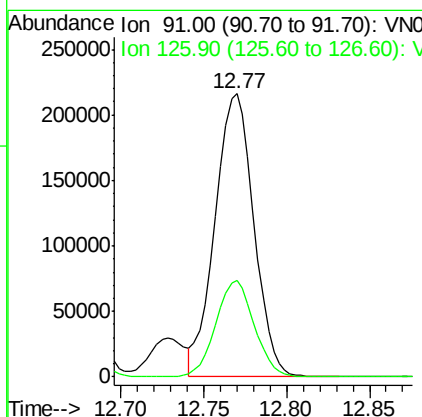
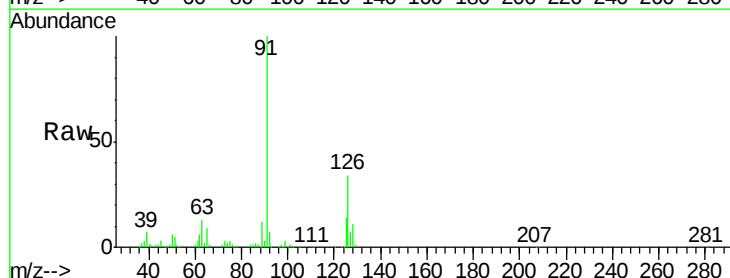
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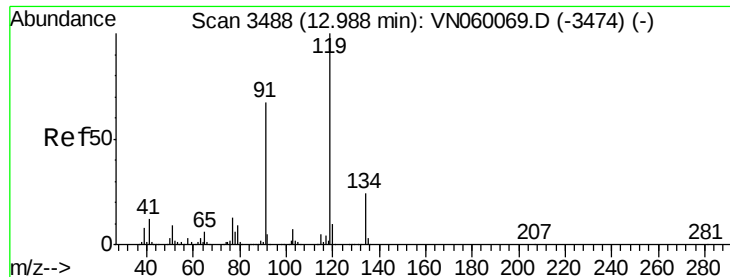
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#82
4-Chlorotoluene
Concen: 47.169 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.3





#83

tert-Butylbenzene

Concen: 45.636 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Instrument :

MSVOA_N

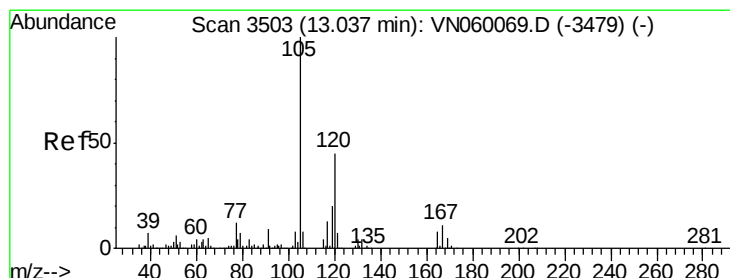
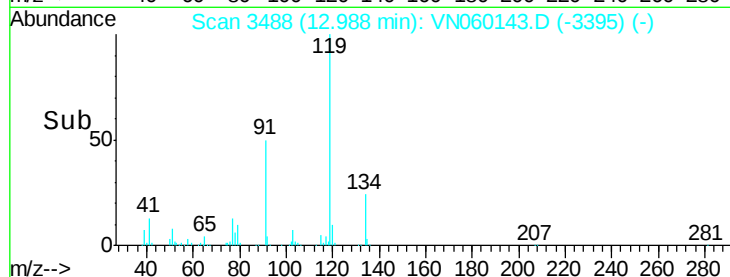
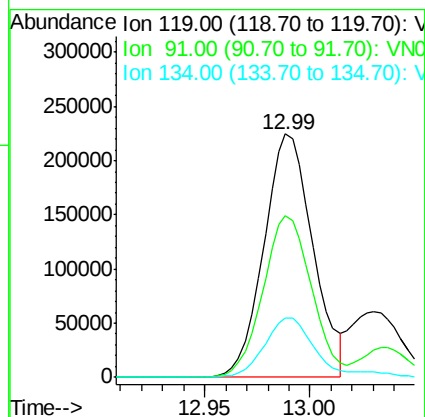
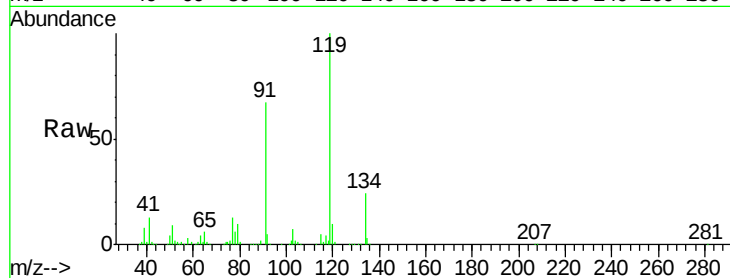
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	363133
Ion Ratio	Lower	Upper	
119	100		
91	65.9	32.7	98.1
134	24.3	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 48.268 ug/l

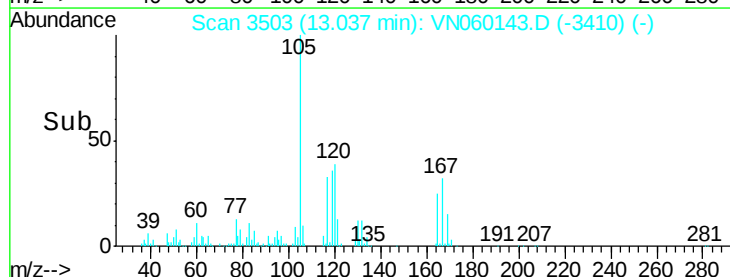
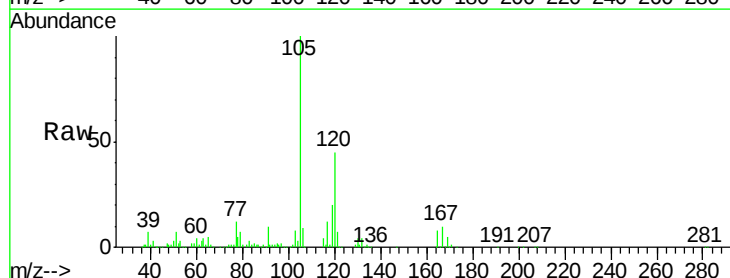
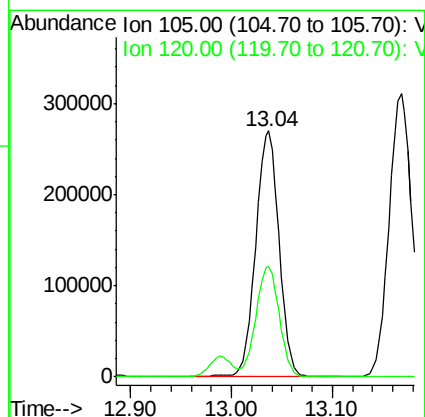
RT: 13.04 min Scan# 3503

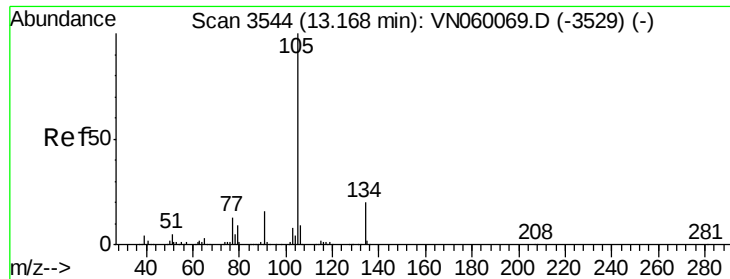
Delta R.T. 0.00 min

Lab File: VN060143.D

Acq: 19 Feb 2020 9:44

Tgt Ion:	105	Resp:	428586
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.3





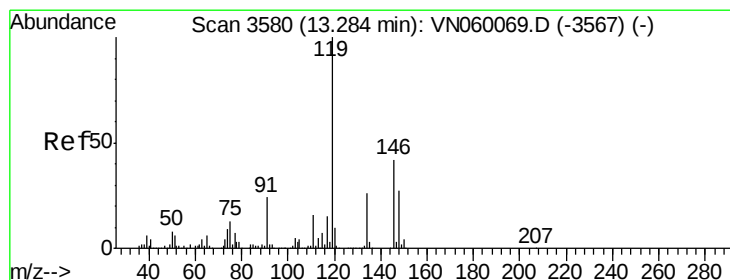
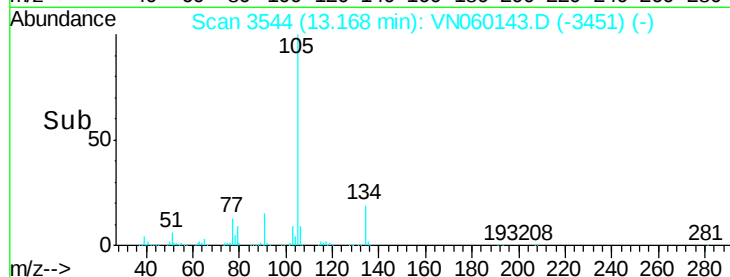
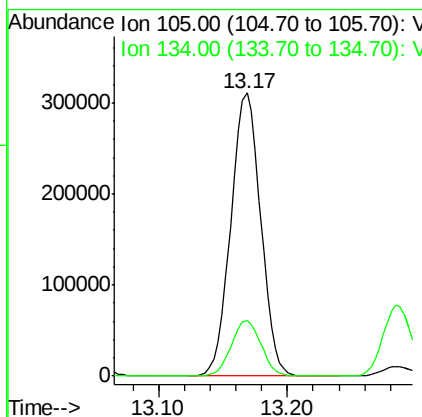
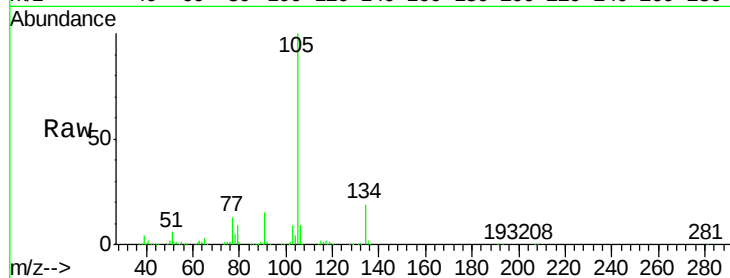
#85
 sec-Butylbenzene
 Concen: 47.358 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	499075		
134	19.6	9.9	29.7	

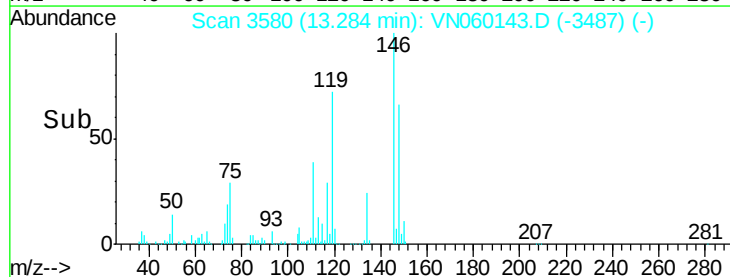
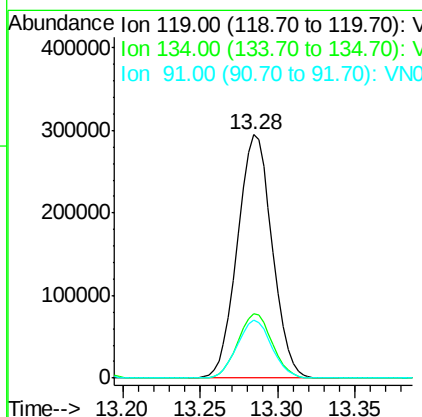
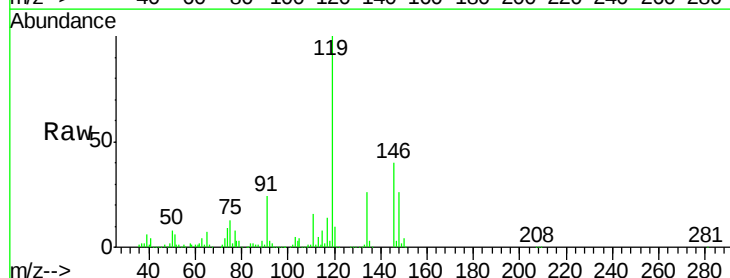
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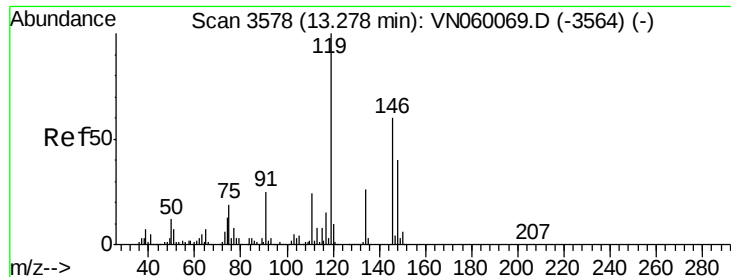
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#86
 p-Isopropyltoluene
 Concen: 47.930 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	457633		
134	26.4	13.3	39.8	
91	24.0	11.9	35.9	





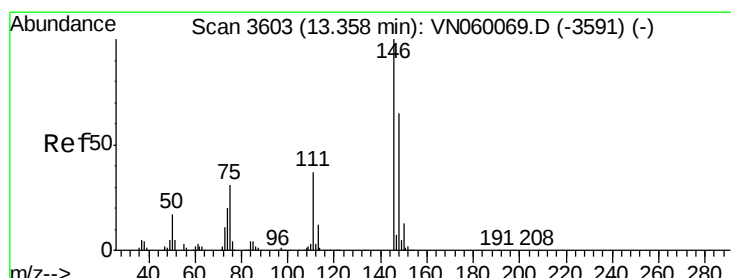
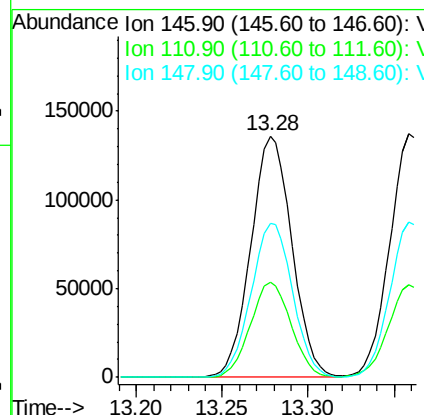
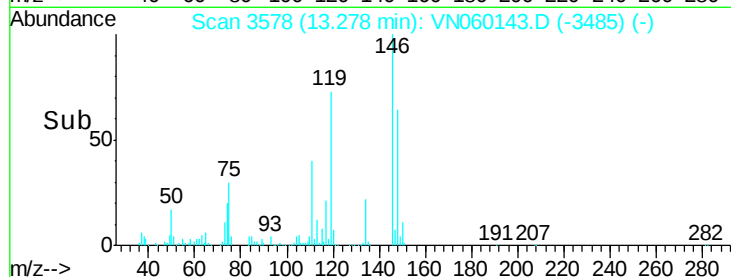
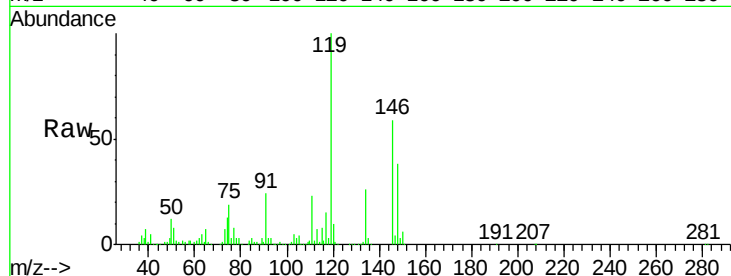
#87
 1,3-Dichlorobenzene
 Concen: 47.380 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.3	32.0	96.2

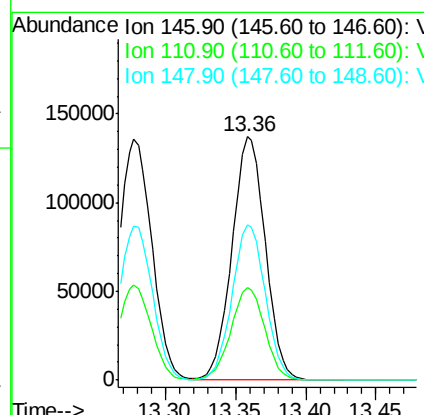
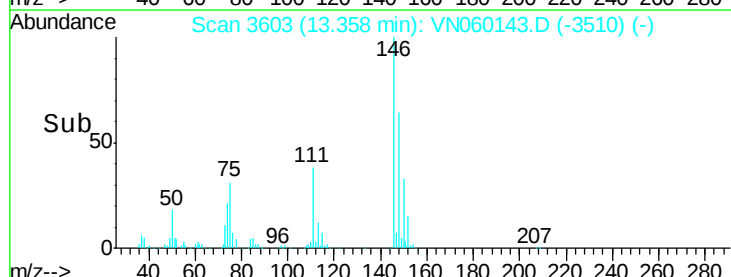
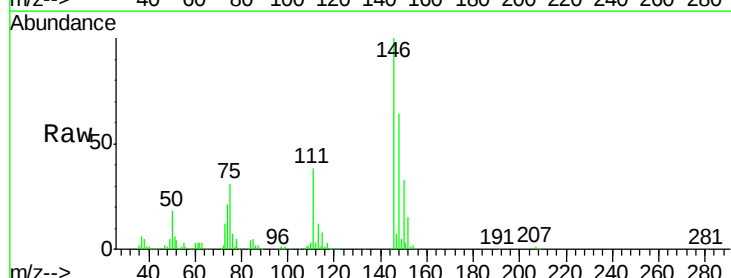
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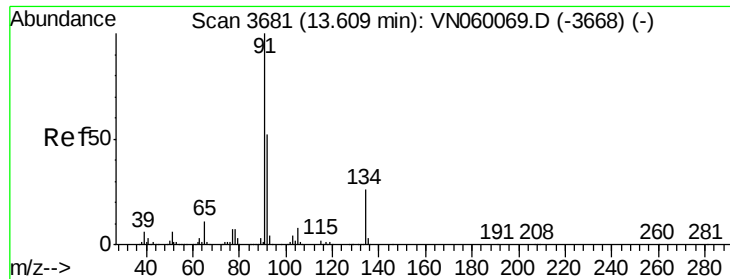
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#88
 1,4-Dichlorobenzene
 Concen: 47.719 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.9	56.5
148	63.7	32.0	96.0





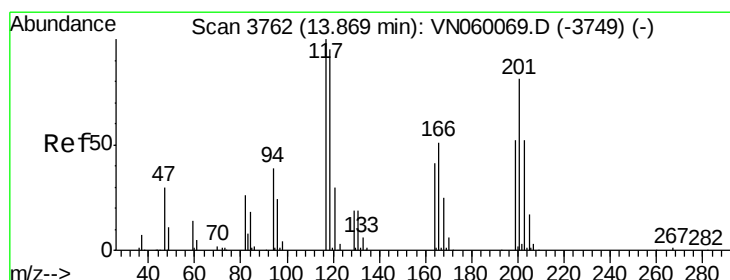
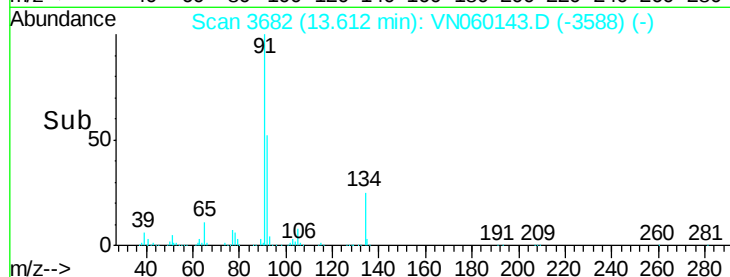
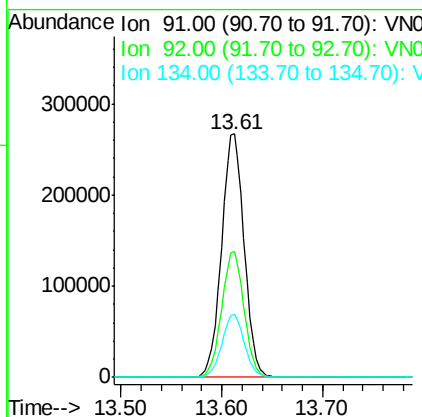
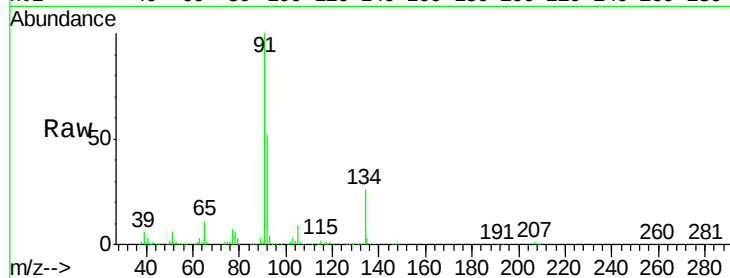
#89
n-Butylbenzene
Concen: 49.662 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	25.6	13.1	39.3

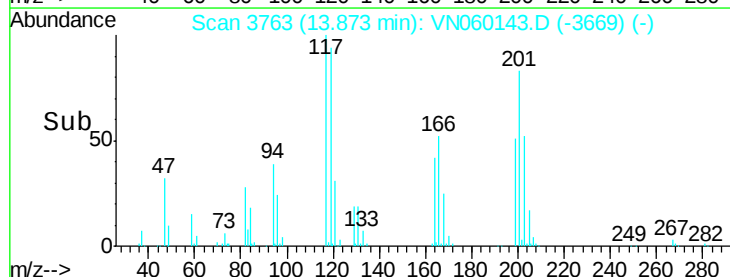
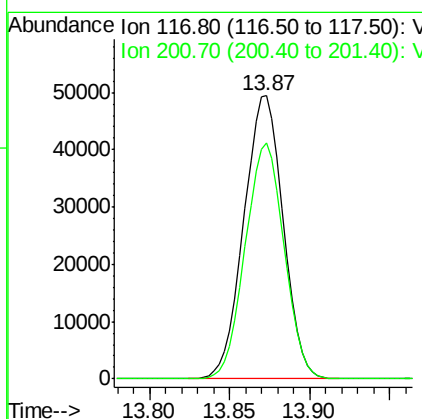
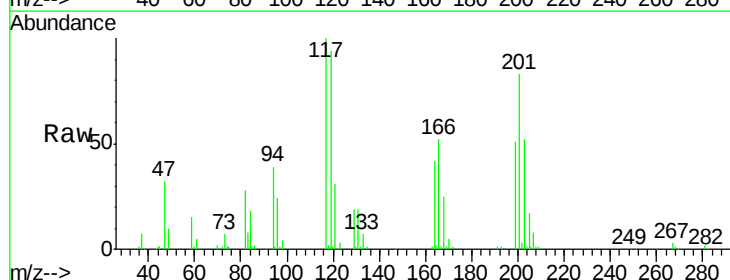
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#90
Hexachloroethane
Concen: 46.726 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.7	125.1





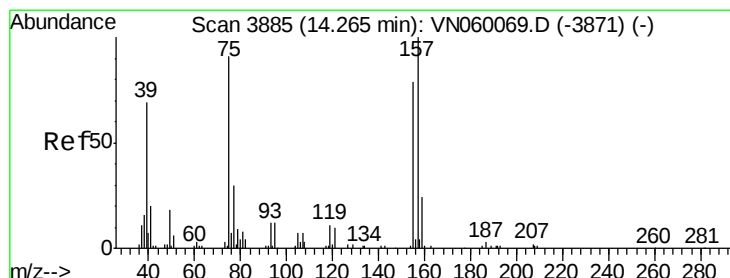
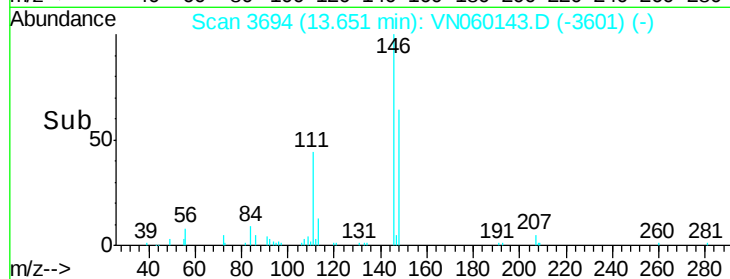
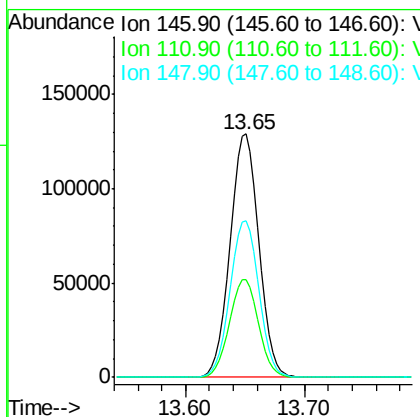
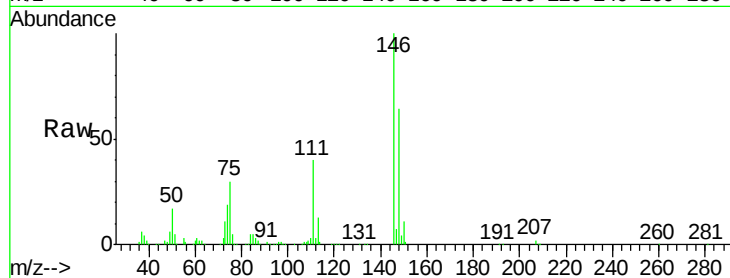
#91
 1,2-Dichlorobenzene
 Concen: 46.492 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216234		
111	40.5		20.1	60.2
148	64.8		31.9	95.5

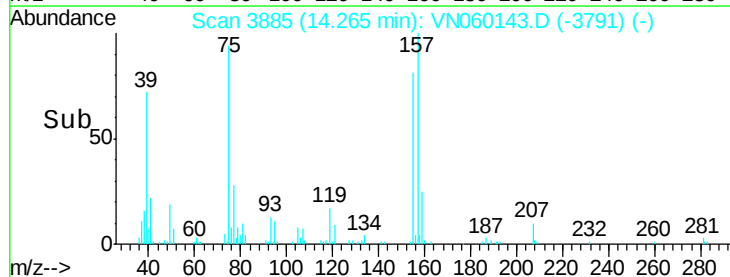
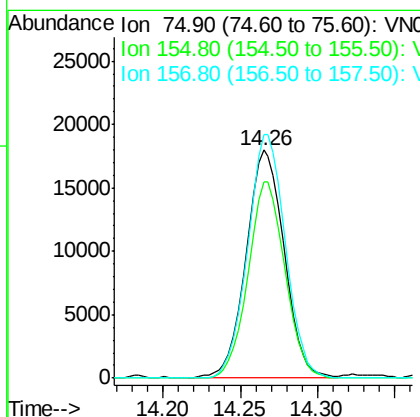
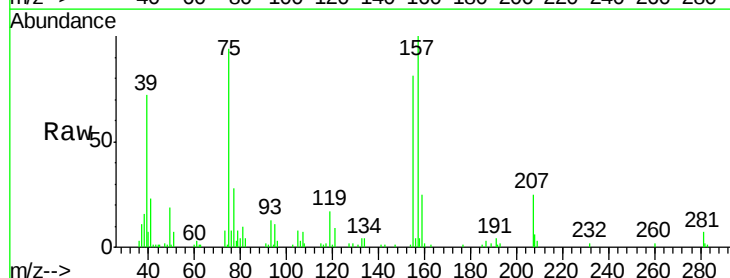
Manual Integrations
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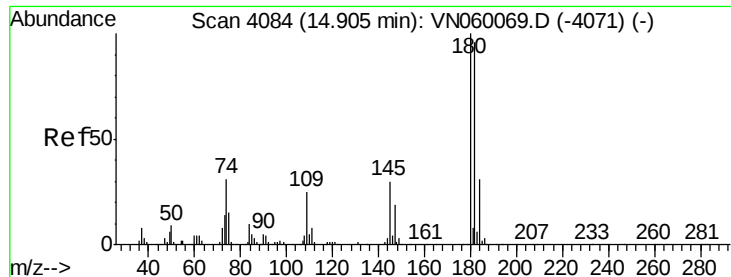
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.635 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30912		
155	83.0		43.0	129.0
157	105.2		54.9	164.5





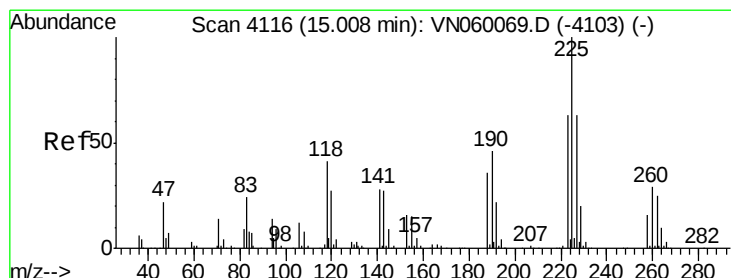
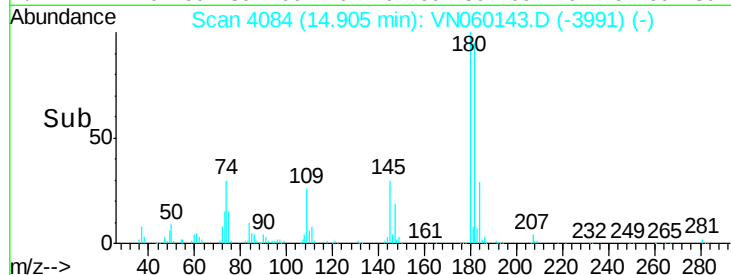
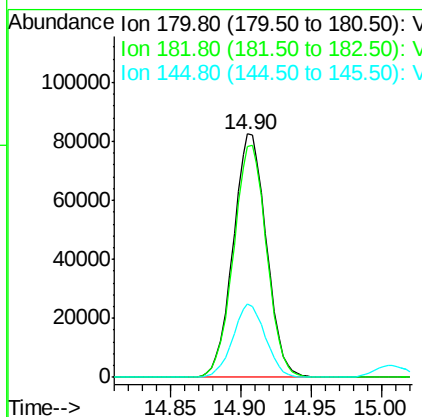
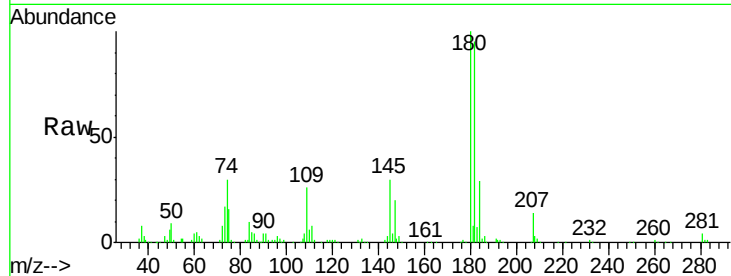
#93
 1,2,4-Trichlorobenzene
 Concen: 49.773 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136019		
182	95.0	47.9	143.8	
145	29.7	15.2	45.5	

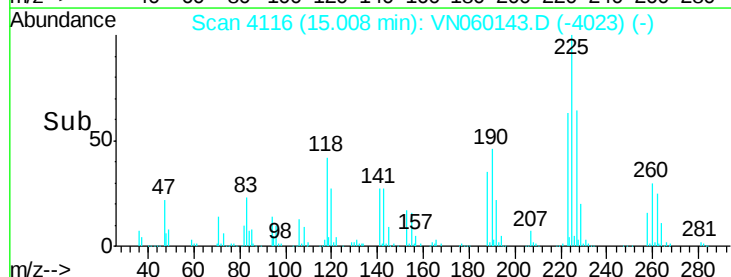
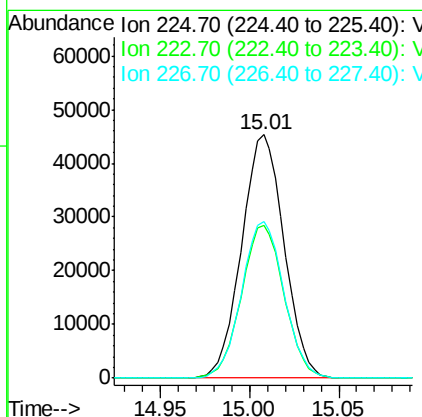
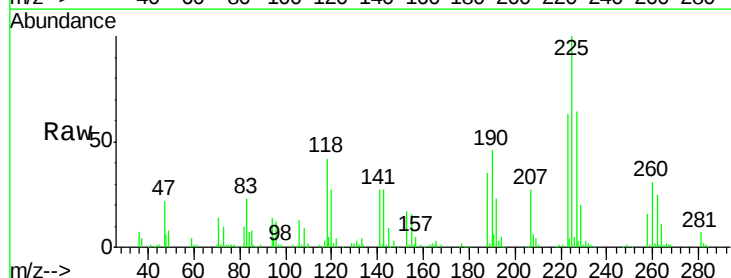
Manual Integrations
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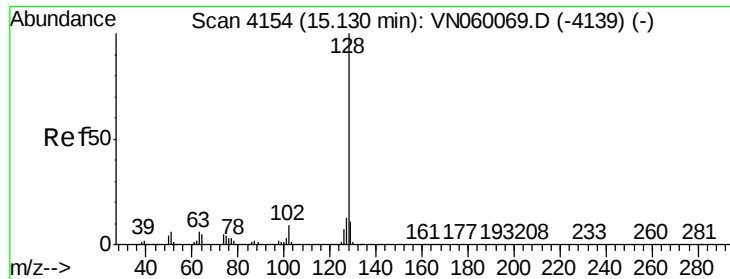
MMDadoda
 2/21/2020 11:48:17 AM



#94
 Hexachlorobutadiene
 Concen: 46.990 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060143.D
 Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75177		
223	62.9	31.5	94.5	
227	64.0	31.8	95.4	





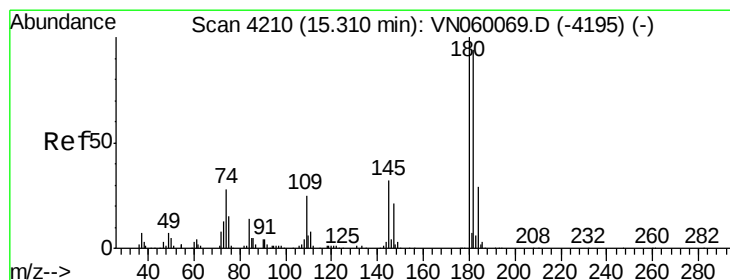
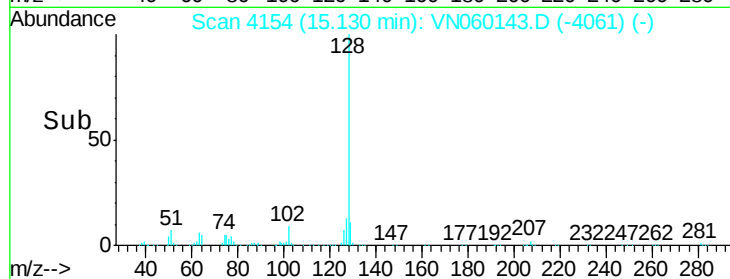
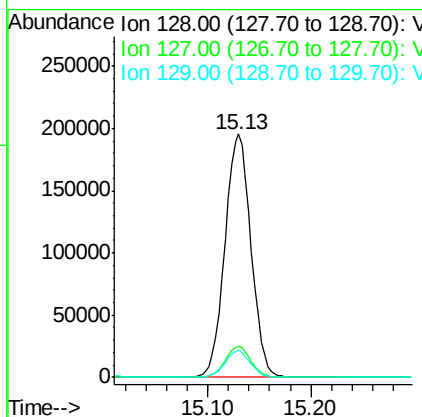
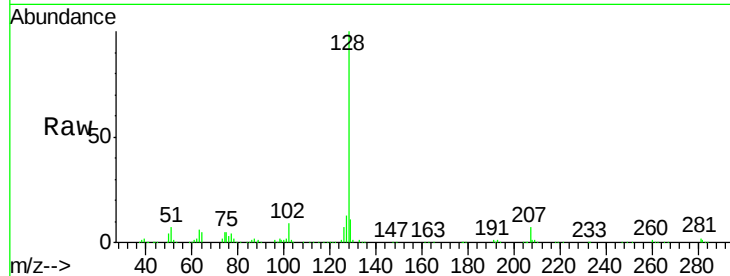
#95
Naphthalene
Concen: 46.533 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/21/2020 11:48:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.036 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060143.D
Acq: 19 Feb 2020 9:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.5	142.5
145	32.1	16.1	48.3

