

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059967.D
 Acq On : 3 Feb 2020 12:12
 Operator : JC/MD
 Sample : VN0203MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:32 AM

Quant Time: Feb 03 13:46:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181078	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	282773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	258061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122513	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	103260	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.57	113	83495	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
50) Toluene-d8	10.08	98	313140	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	12.40	95	112949	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36458	16.729	ug/l	98
3) Chloromethane	2.04	50	36548	17.630	ug/l	98
4) Vinyl Chloride	2.17	62	46054	19.416	ug/l	99
5) Bromomethane	2.55	94	27876	19.257	ug/l	91
6) Chloroethane	2.69	64	21649	19.292	ug/l	95
7) Trichlorofluoromethane	3.00	101	54847	19.254	ug/l	97
8) Diethyl Ether	3.39	74	20553	20.559	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31812	20.065	ug/l	92
10) Methyl Iodide	3.93	142	41969	16.377	ug/l	96
11) Tert butyl alcohol	4.73	59	33354	98.527	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	30090	18.163	ug/l	88
13) Acrolein	3.58	56	13114	54.725	ug/l	94
14) Allyl chloride	4.29	41	43658	19.551	ug/l #	84
15) Acrylonitrile	4.95	53	81010	104.907	ug/l	99
16) Acetone	3.78	43	100226	141.798	ug/l	98
17) Carbon Disulfide	4.03	76	75428	15.983	ug/l	100
18) Methyl Acetate	4.29	43	48824	20.786	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	113227	20.962	ug/l	98
20) Methylene Chloride	4.52	84	36181	19.087	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	32603	18.514	ug/l	92
22) Diisopropyl ether	5.92	45	105689	20.886	ug/l #	96
23) Vinyl Acetate	5.86	43	373961	95.448	ug/l	96
24) 1,1-Dichloroethane	5.82	63	62596	20.244	ug/l	98
25) 2-Butanone	6.80	43	117760	103.410	ug/l	91
26) 2,2-Dichloropropane	6.79	77	58962	19.835	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	40399	19.945	ug/l	89
28) Bromochloromethane	7.17	49	24831	20.093	ug/l #	78
29) Tetrahydrofuran	7.18	42	69536	98.691	ug/l	89
30) Chloroform	7.35	83	67394	21.036	ug/l	98
31) Cyclohexane	7.63	56	53751	18.066	ug/l #	88
32) 1,1,1-Trichloroethane	7.54	97	60544	20.439	ug/l	96
36) 1,1-Dichloropropene	7.77	75	47443	19.266	ug/l	97
37) Ethyl Acetate	6.90	43	44588	19.306	ug/l	97
38) Carbon Tetrachloride	7.75	117	51766	19.325	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	54413	17.921	ug/l	92
40) Benzene	8.02	78	141839	19.314	ug/l	99
41) Methacrylonitrile	7.15	41	21621m	19.006	ug/l	
42) 1,2-Dichloroethane	8.10	62	52183	20.957	ug/l	97
43) Isopropyl Acetate	8.14	43	77516	19.513	ug/l #	95
44) Trichloroethene	8.82	130	41364	20.632	ug/l	92
45) 1,2-Dichloropropane	9.10	63	38086	20.958	ug/l	98
46) Dibromomethane	9.19	93	26725	20.848	ug/l	93
47) Bromodichloromethane	9.39	83	53756	20.809	ug/l	98
48) Methyl methacrylate	9.18	41	32846	18.485	ug/l	89
49) 1,4-Dioxane	9.18	88	13545	416.393	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	228540	99.519	ug/l	96
52) Toluene	10.14	92	91559	19.737	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	58638	20.329	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	62993	20.756	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	37642	20.488	ug/l	98
56) Ethyl methacrylate	10.42	69	53172	18.940	ug/l	93
57) 1,3-Dichloropropane	10.70	76	61549	21.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	86242	101.992	ug/l	92
59) 2-Hexanone	10.74	43	172331	101.863	ug/l	94
60) Dibromochloromethane	10.89	129	43392	20.740	ug/l	99
61) 1,2-Dibromoethane	11.00	107	39570	20.549	ug/l	99
64) Tetrachloroethene	10.62	164	48402	23.013	ug/l	96
65) Chlorobenzene	11.43	112	101332	19.978	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40188	20.505	ug/l	98
67) Ethyl Benzene	11.51	91	179230	19.465	ug/l	97
68) m/p-Xylenes	11.62	106	134729	38.736	ug/l	94
69) o-Xylene	11.94	106	66219	19.447	ug/l	94
70) Styrene	11.96	104	105521	18.519	ug/l	97
71) Bromoform	12.12	173	32065	20.425	ug/l #	99
73) Isopropylbenzene	12.25	105	178473	19.863	ug/l	99
74) N-amyl acetate	12.07	43	64513	18.504	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	52329	20.090	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	50082m	24.291	ug/l	
77) Bromobenzene	12.52	156	46223	20.315	ug/l	83
78) n-propylbenzene	12.59	91	195762	19.412	ug/l	97
79) 2-Chlorotoluene	12.67	91	118076	19.681	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	148293	19.625	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	18765	19.545	ug/l	95
82) 4-Chlorotoluene	12.77	91	120009	19.943	ug/l	95
83) tert-Butylbenzene	12.99	119	129197	19.769	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	147699	19.757	ug/l	99
85) sec-Butylbenzene	13.17	105	169861	19.782	ug/l	99
86) p-Isopropyltoluene	13.29	119	155989	19.634	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	79451	20.102	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78666	19.951	ug/l	98
89) n-Butylbenzene	13.61	91	134216	19.813	ug/l	99
90) Hexachloroethane	13.87	117	28708	19.312	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	79898	20.448	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11250	18.820	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47336	20.161	ug/l	99
94) Hexachlorobutadiene	15.01	225	26344	20.361	ug/l	98
95) Naphthalene	15.13	128	128386	19.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47946	20.980	ug/l	98

(#) = 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: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion:168 Resp: 181078

Ion Ratio Lower Upper

168 100

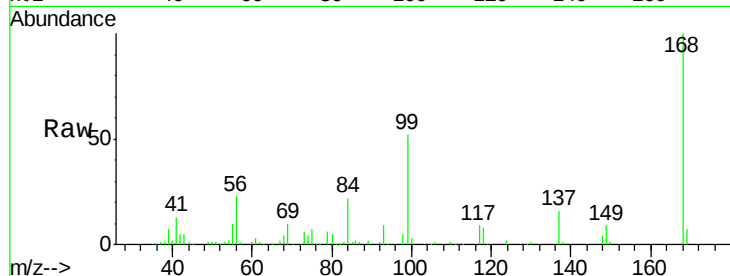
99 52.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

80000

60000

40000

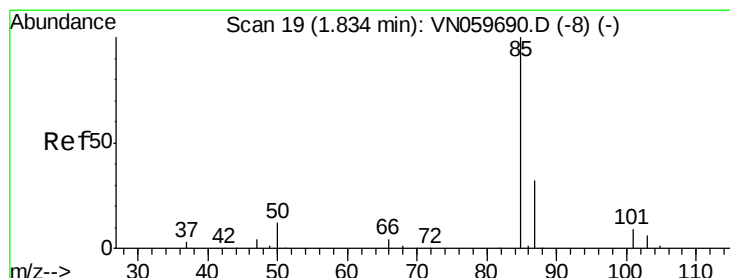
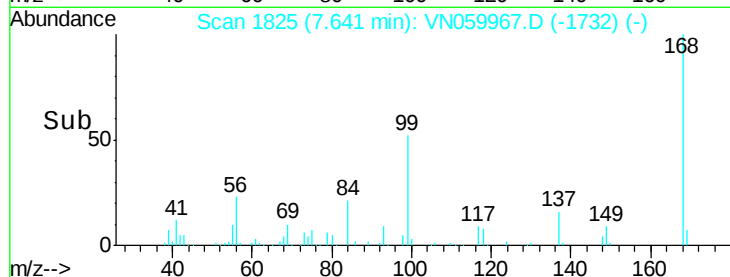
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.729 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059967.D

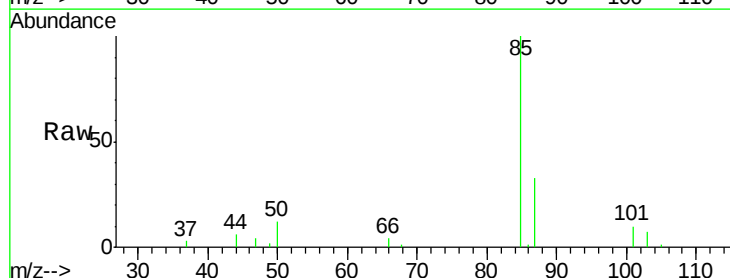
Acq: 3 Feb 2020 12:12

Tgt Ion: 85 Resp: 36458

Ion Ratio Lower Upper

85 100

87 33.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

30000

25000

20000

15000

10000

5000

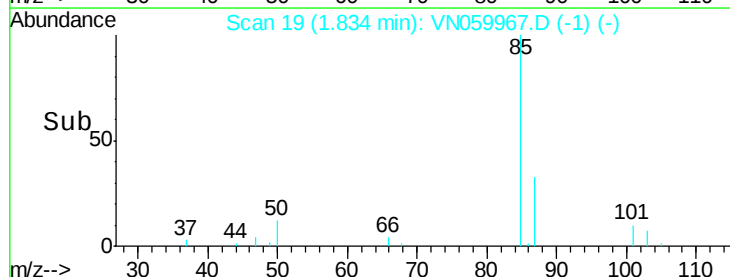
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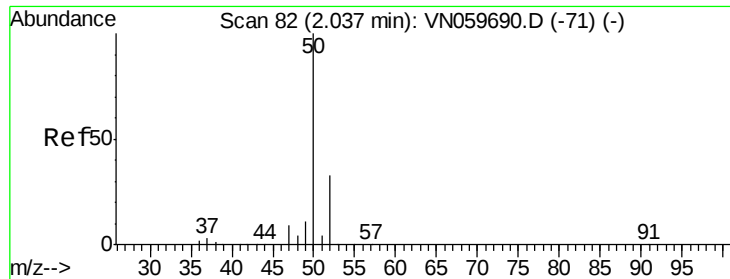
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 17.630 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 50 Resp: 36548

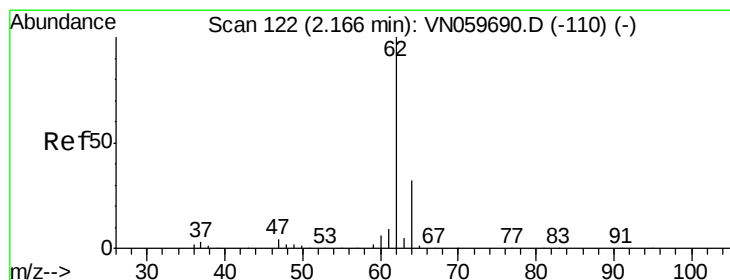
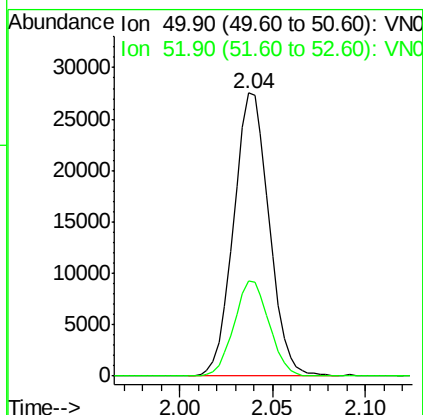
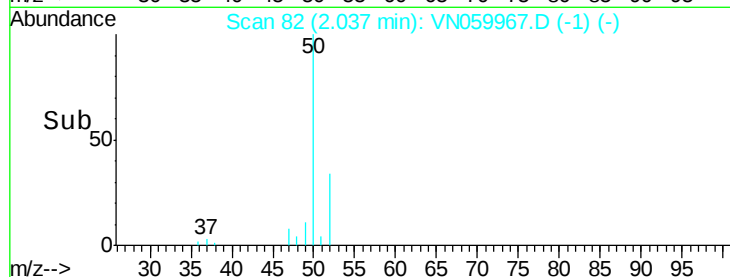
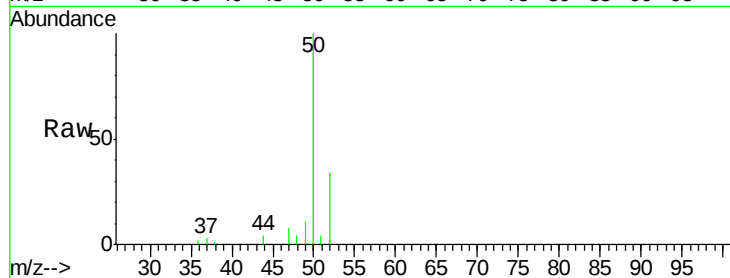
Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.416 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059967.D

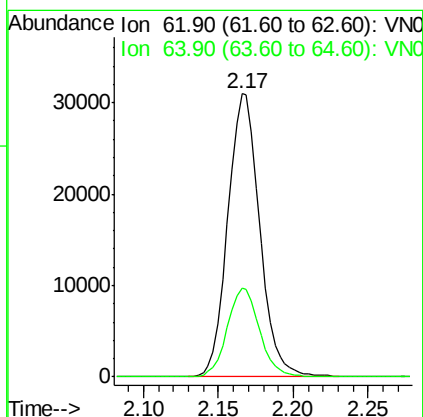
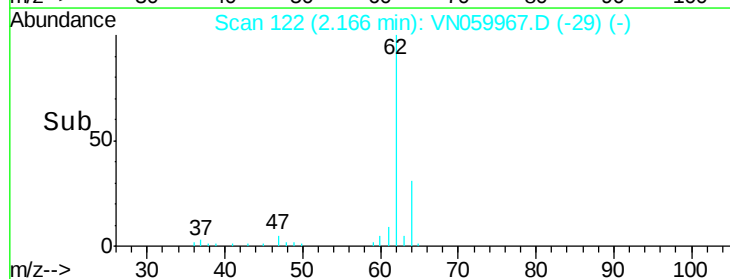
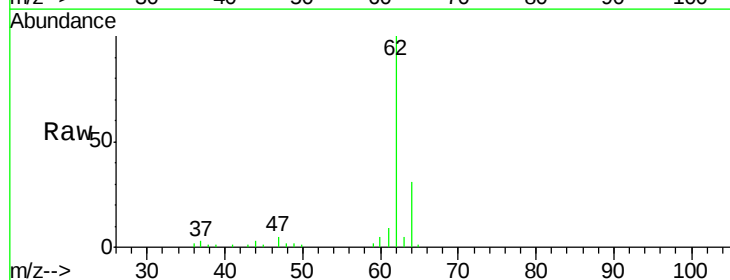
Acq: 3 Feb 2020 12:12

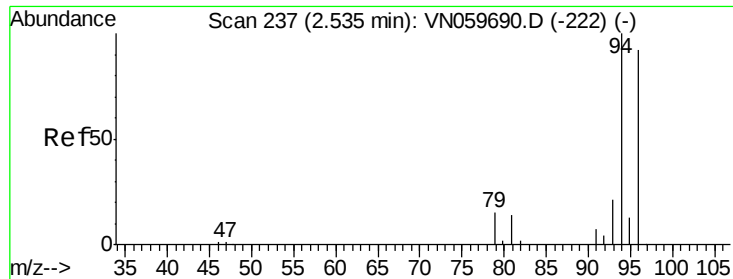
Tgt Ion: 62 Resp: 46054

Ion Ratio Lower Upper

62 100

64 31.2 24.6 37.0





#5

Bromomethane

Concen: 19.257 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 94 Resp: 27876

Ion Ratio Lower Upper

94 100

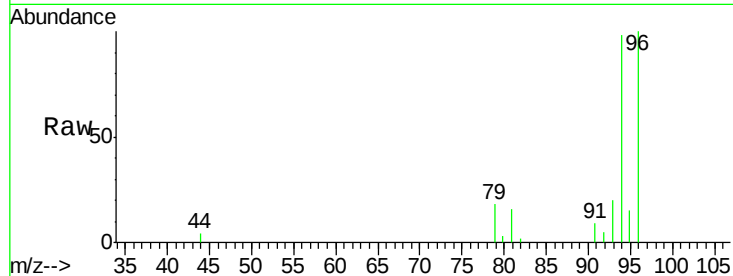
96 102.1 74.7 112.1

Manual Integrations

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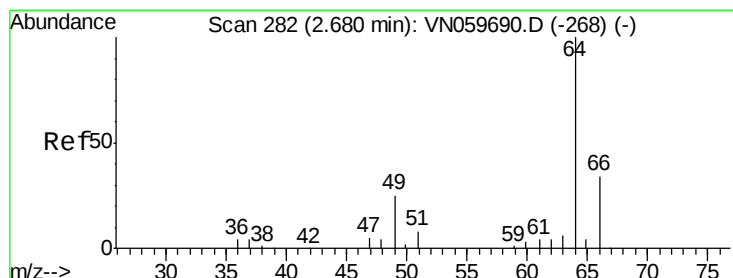
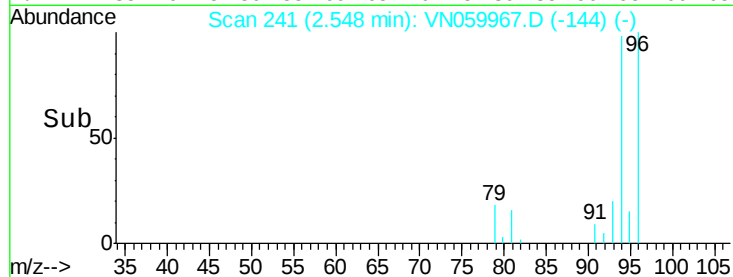
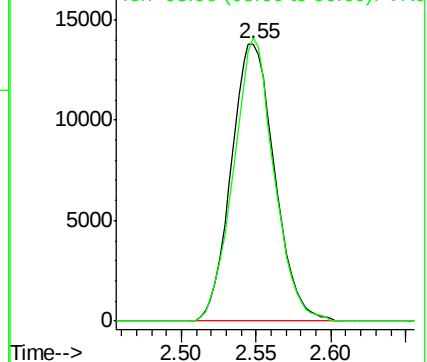
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.292 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059967.D

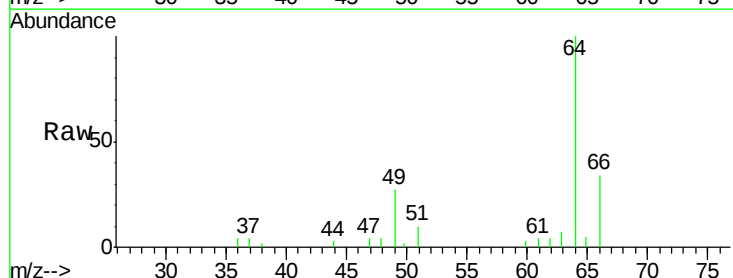
Acq: 3 Feb 2020 12:12

Tgt Ion: 64 Resp: 21649

Ion Ratio Lower Upper

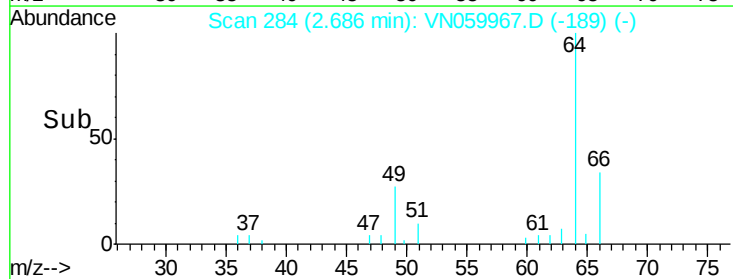
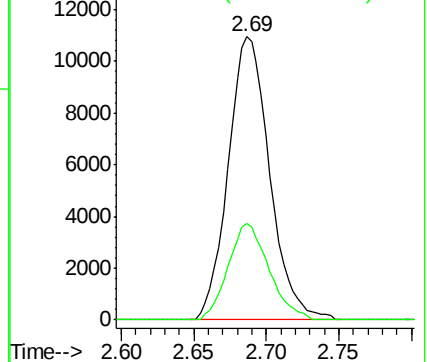
64 100

66 34.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

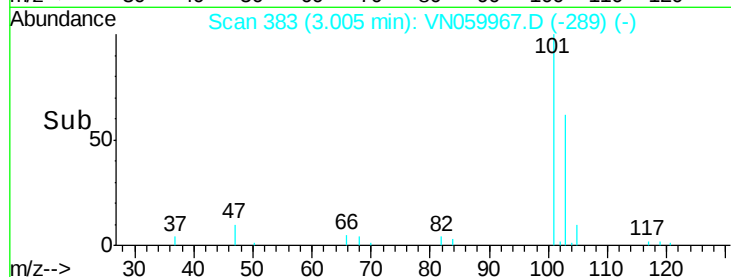
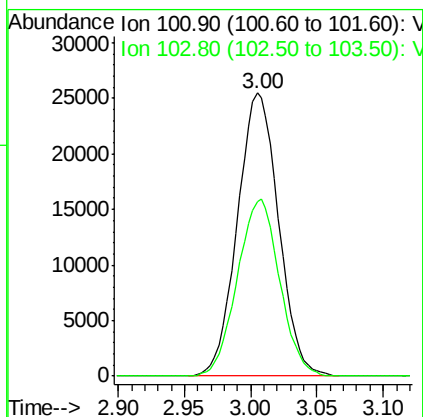
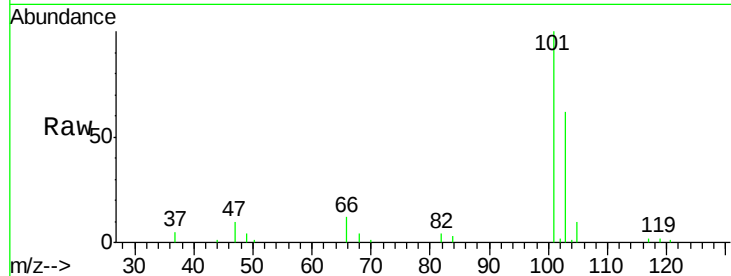
Trichlorofluoromethane
 Concen: 19.254 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
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 VN0203MBS01

Tot Ion:101 Resp: 54847
 Ion Ratio Lower Upper
 101 100
 103 61.8 51.0 76.6

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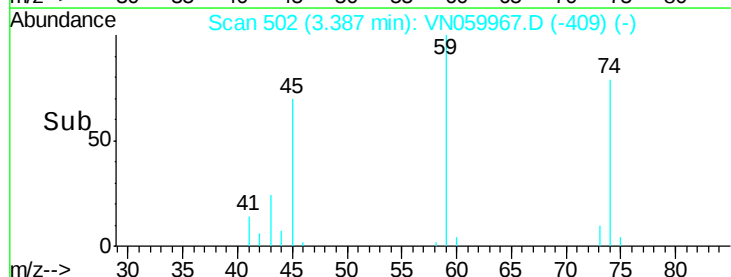
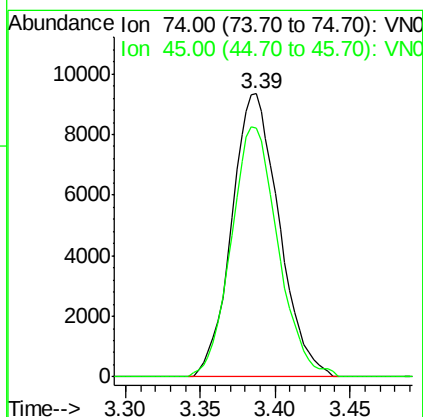
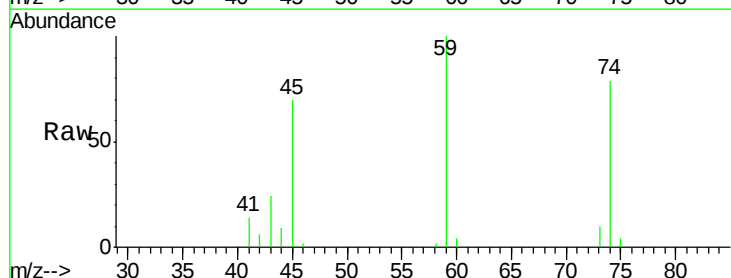
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#8

Diethyl Ether
 Concen: 20.559 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion: 74 Resp: 20553
 Ion Ratio Lower Upper
 74 100
 45 87.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.065 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

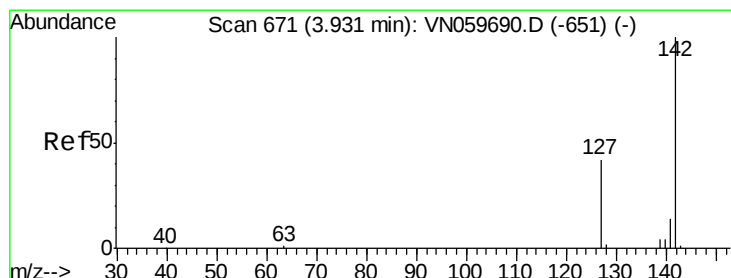
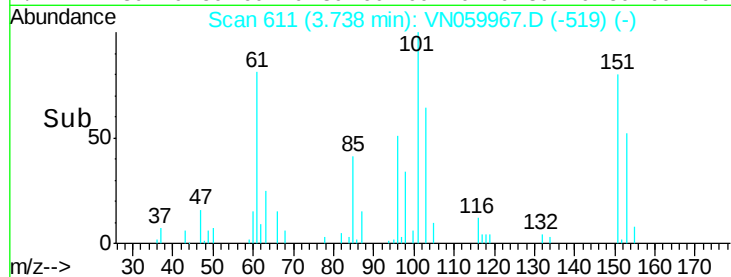
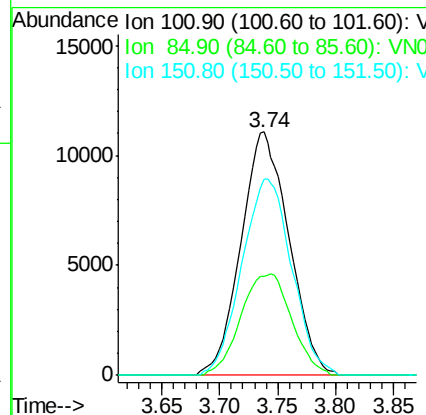
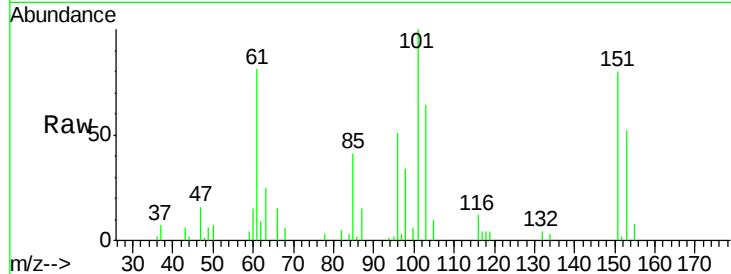
ClientSampled :

VN0203MBS01

Tot Ion:	101	Resp:	31812
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.6	54.8
151	83.8	59.7	89.5

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#10

Methyl Iodide

Concen: 16.377 ug/l

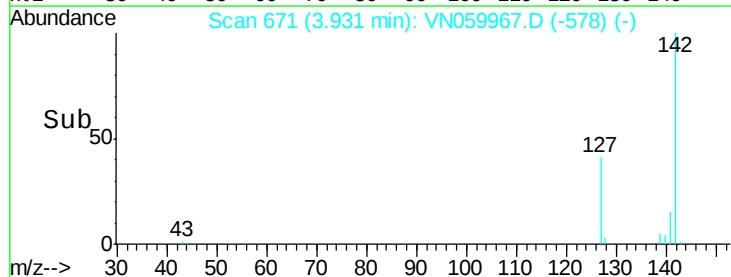
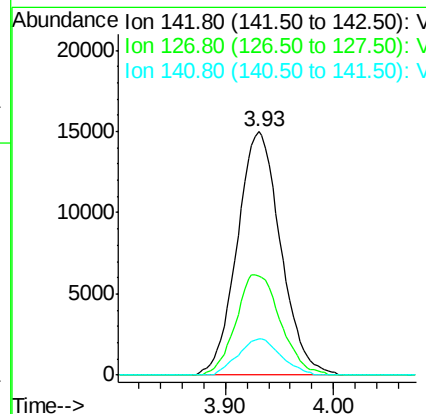
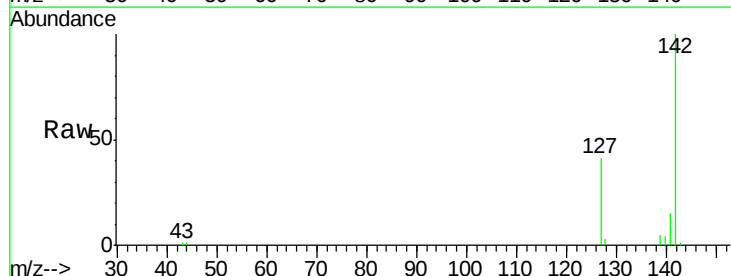
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	142	Resp:	41969
Ion Ratio	Lower	Upper	
142	100		
127	42.3	36.7	55.1
141	14.7	11.7	17.5





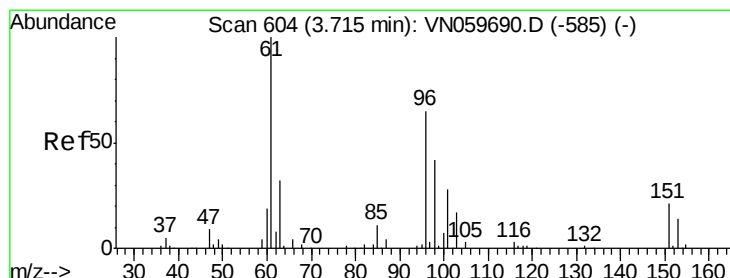
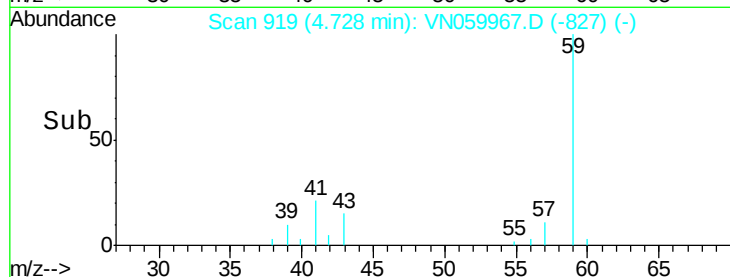
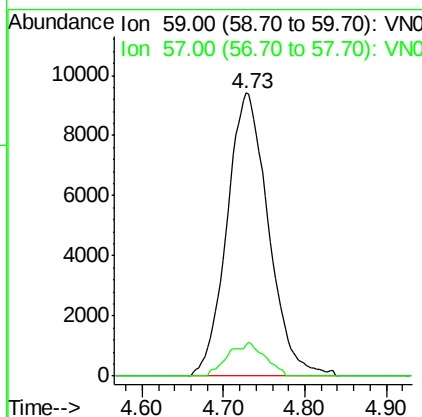
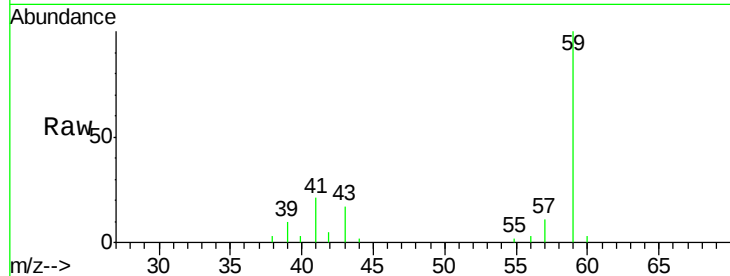
#11
Tert butyl alcohol
Concen: 98.527 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 59 Resp: 33354
Ion Ratio Lower Upper
59 100
57 4.4 8.6 12.8#

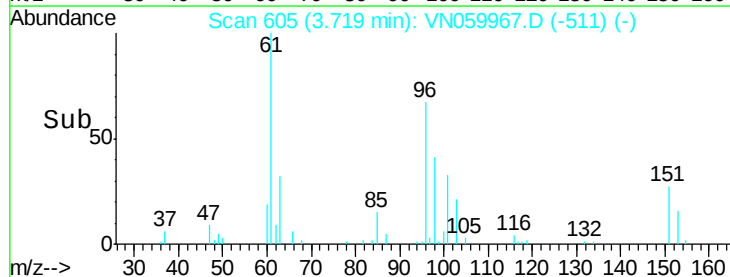
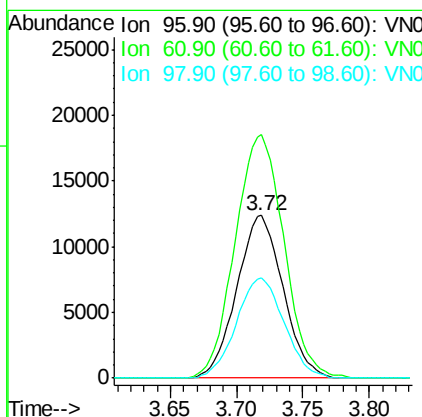
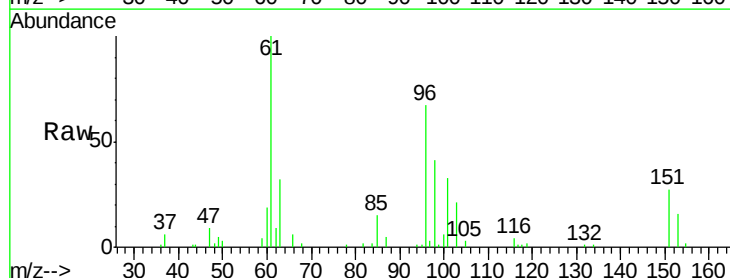
Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:32 AM



#12
1,1-Dichloroethene
Concen: 18.163 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion: 96 Resp: 30090
Ion Ratio Lower Upper
96 100
61 149.7 137.5 206.3
98 61.3 50.2 75.4





#13

Acrolein

Concen: 54.725 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 56 Resp: 13114

Ion Ratio Lower Upper

56 100

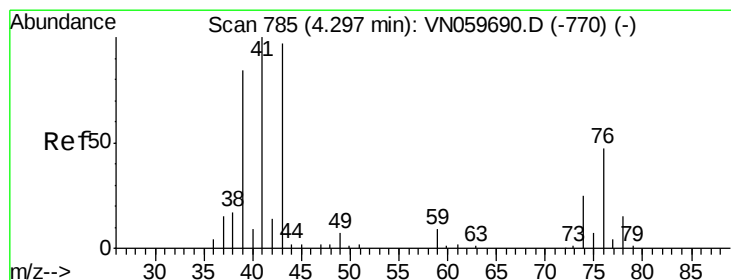
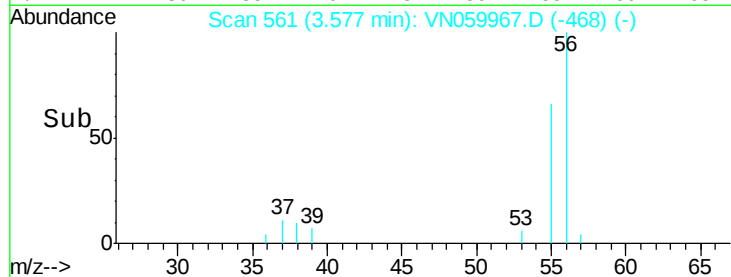
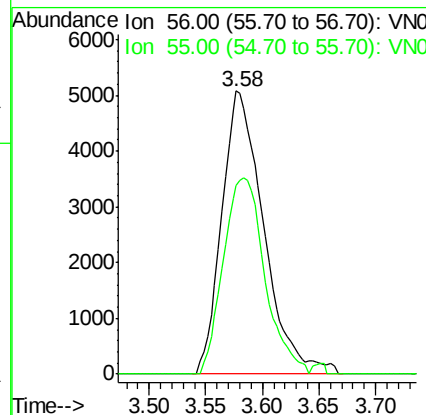
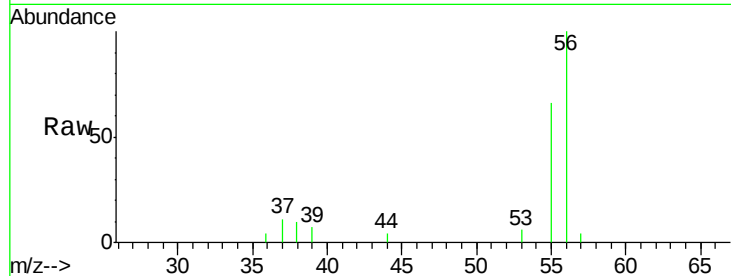
55 68.6 58.6 88.0

Manual Integrations

APPROVED

MMDadoda

2/4/2020 11:20:32 AM



#14

Allyl chloride

Concen: 19.551 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

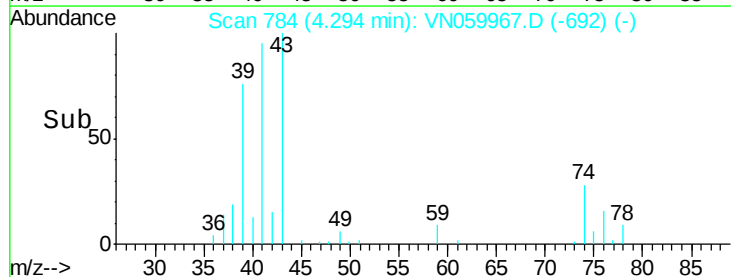
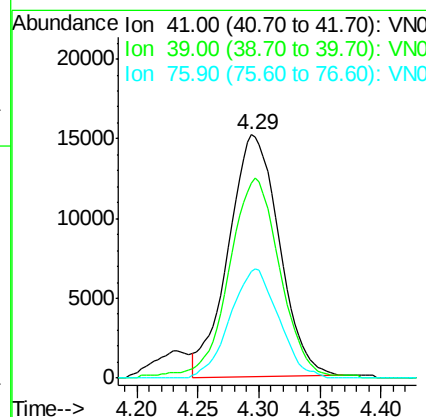
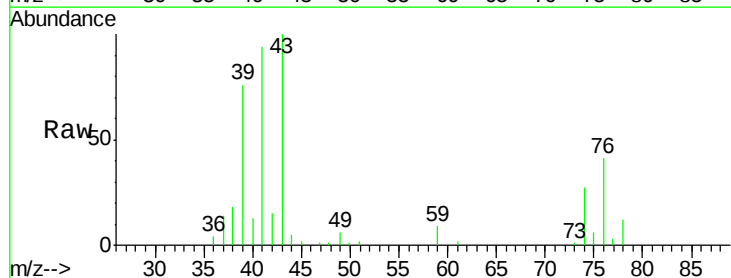
Tgt Ion: 41 Resp: 43658

Ion Ratio Lower Upper

41 100

39 84.1 57.8 86.8

76 43.2 25.4 38.0#





#15

Acrylonitrile

Concen: 104.907 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

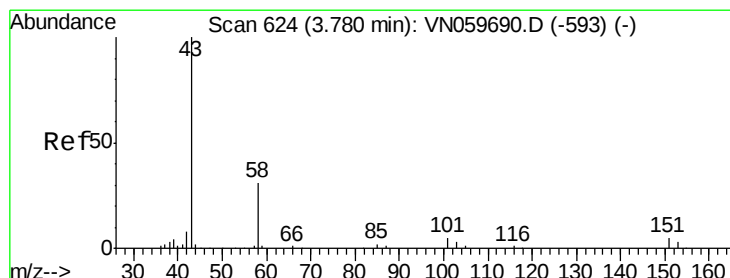
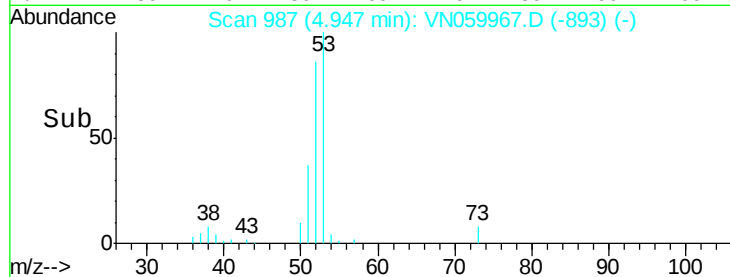
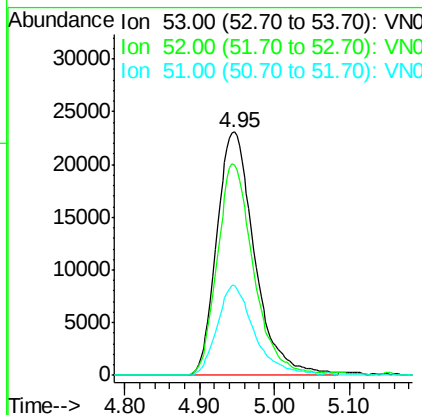
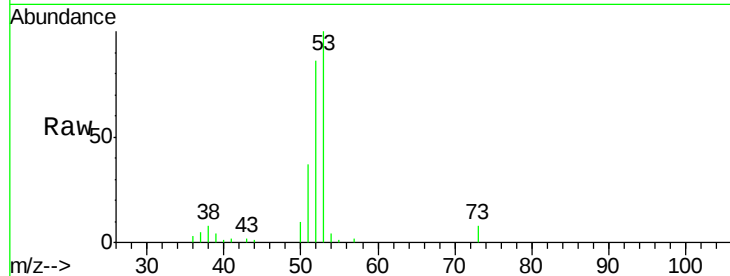
ClientSampleId :

VN0203MBS01

Tot Ion:	53	Resp:	81010
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.3	99.5
51	36.5	29.7	44.5

Manual Integrations
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MMDadoda
2/4/2020 11:20:32 AM



#16

Acetone

Concen: 141.798 ug/l

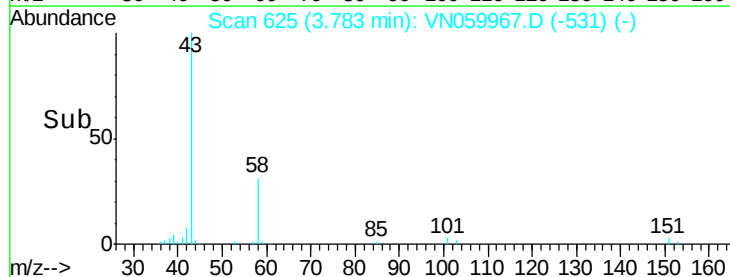
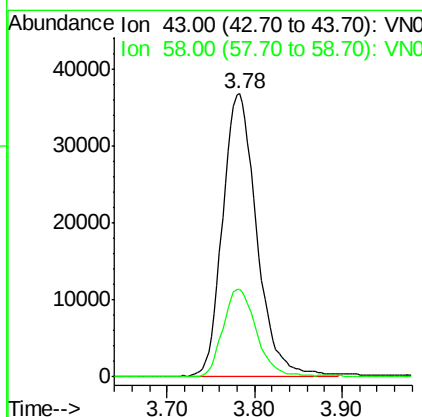
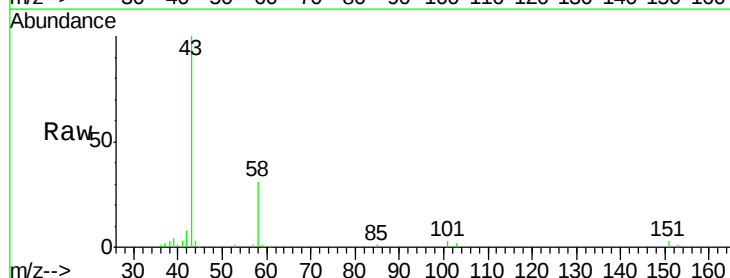
RT: 3.78 min Scan# 625

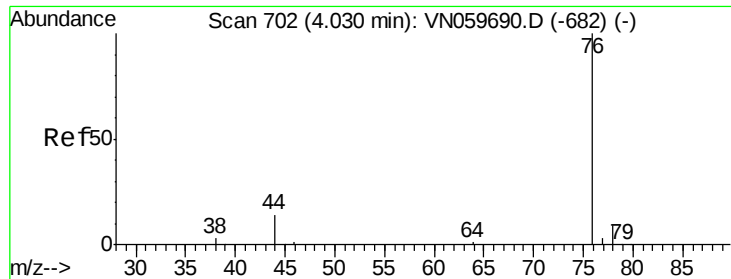
Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	43	Resp:	100226
Ion	Ratio	Lower	Upper
43	100		
58	30.8	23.6	35.4





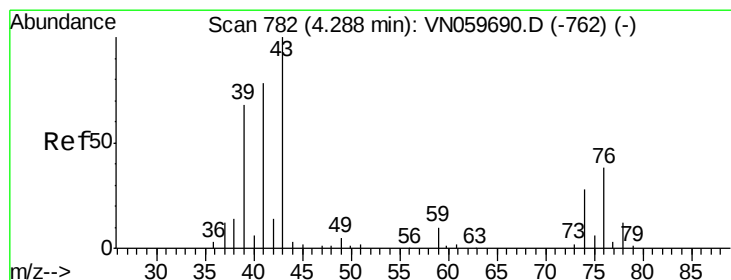
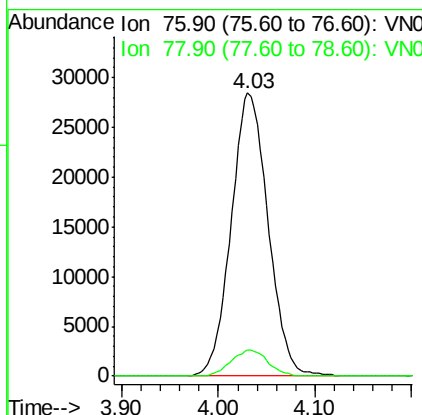
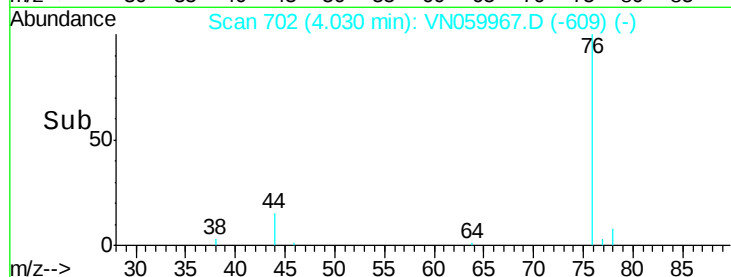
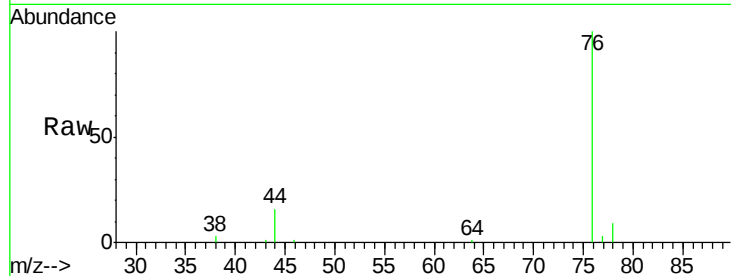
#17
Carbon Disulfide
Concen: 15.983 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

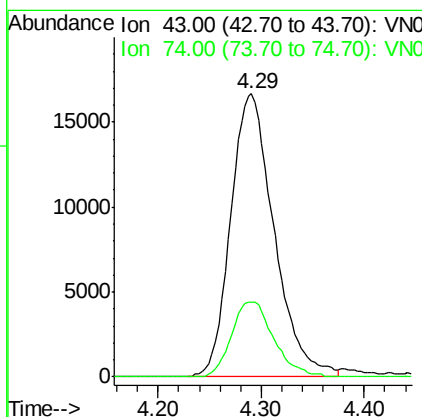
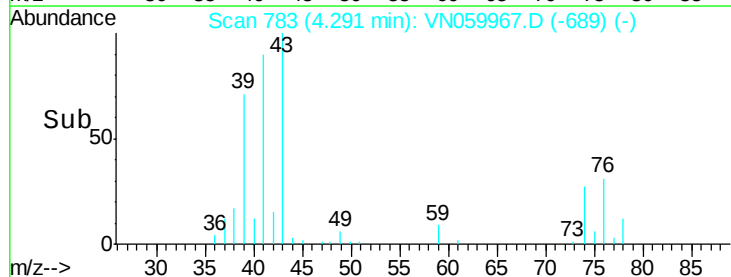
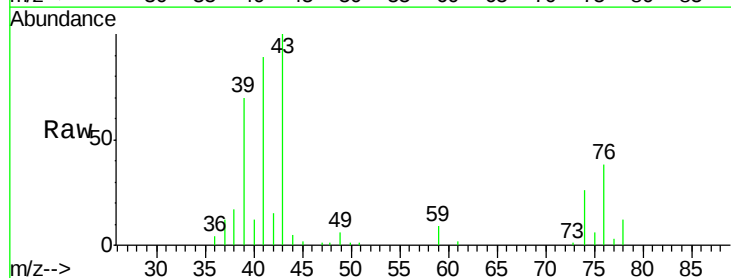
Manual Integrations
APPROVED

MMDadoda
2/4/2020 11:20:32 AM



#18
Methyl Acetate
Concen: 20.786 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	17.5	26.3





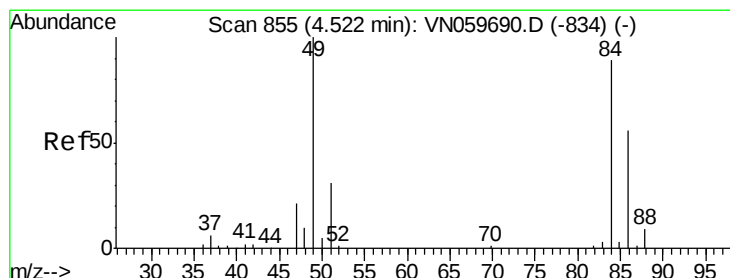
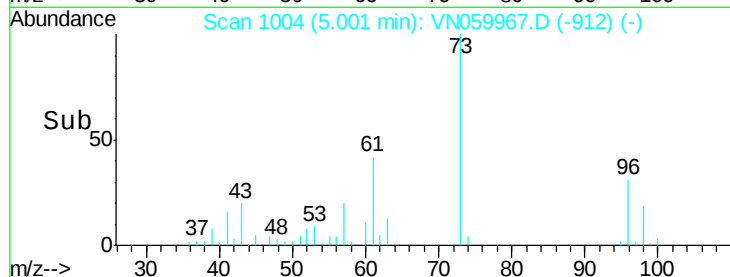
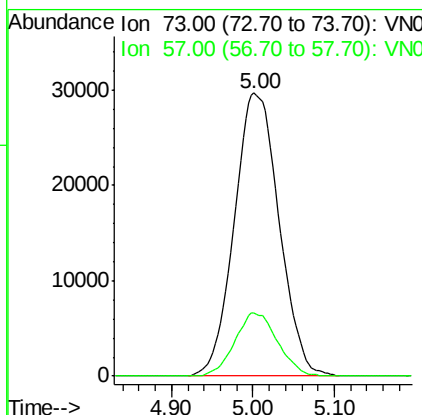
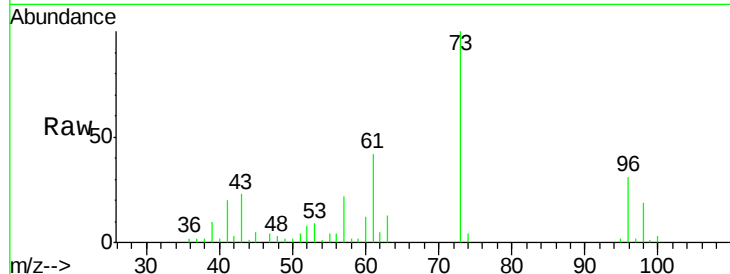
#19
Methvl tert-butvl Ether
Concen: 20.962 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion: 73 Resp: 113227
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8

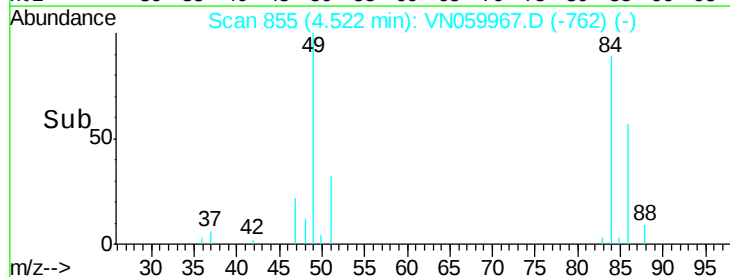
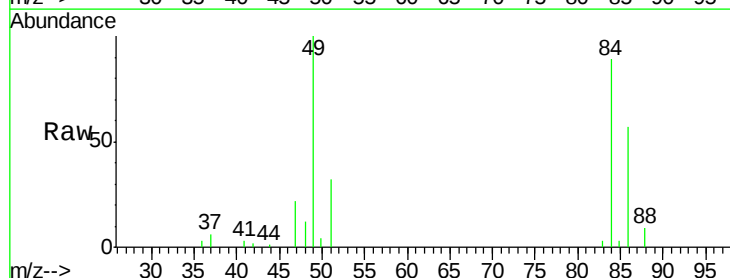
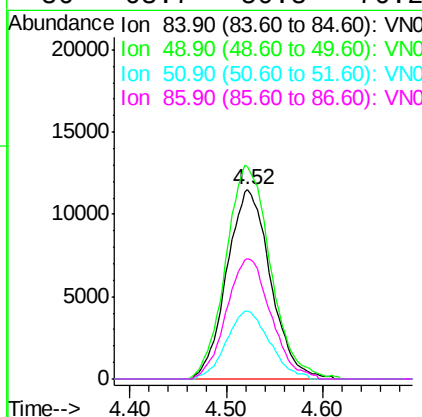
Manual Integrations
APPROVED

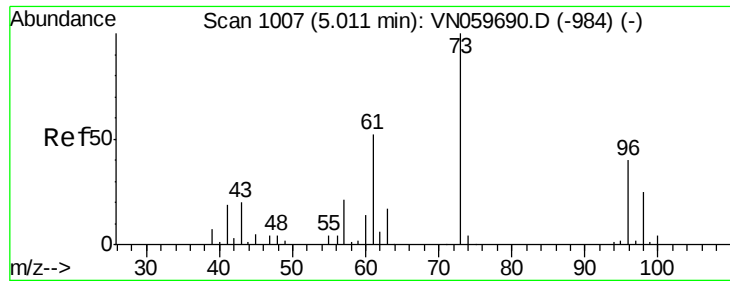
MMDadoda
2/4/2020 11:20:32 AM



#20
Methylene Chloride
Concen: 19.087 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion: 84 Resp: 36181
Ion Ratio Lower Upper
84 100
49 112.2 106.6 160.0
51 35.9 31.9 47.9
86 63.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.514 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

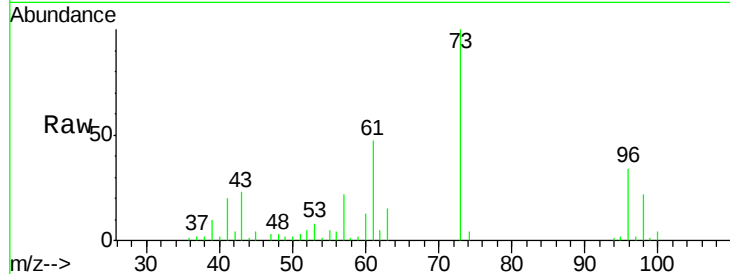
ClientSampleId :

VN0203MBS01

Tot Ion:	96	Resp:	32603
Ion	Ratio	Lower	Upper
96	100		
61	137.2	120.4	180.6
98	66.0	50.6	75.8

Manual Integrations
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2/4/2020 11:20:32 AM

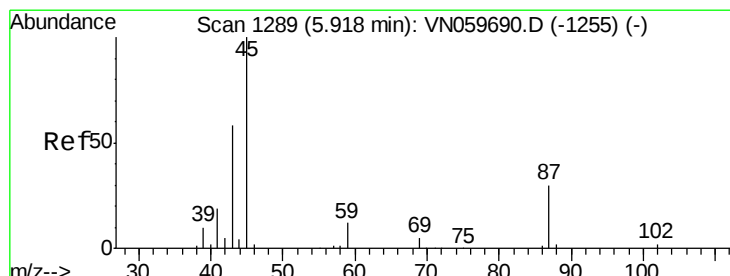
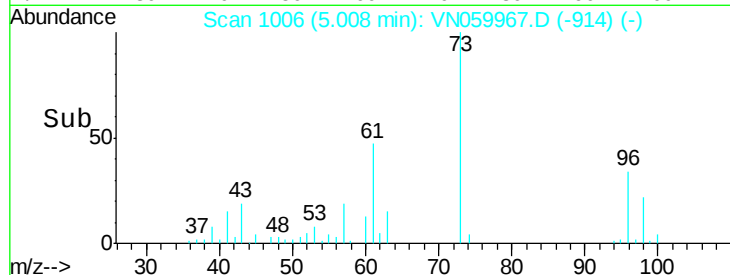


Abundance Ion 95.90 (95.60 to 96.60): VN059967.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059967.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059967.D (-914) (-)

Time-->



#22

Diisopropyl ether

Concen: 20.886 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	45	Resp:	105689
Ion	Ratio	Lower	Upper
45	100		
43	63.9	50.8	76.2
87	32.8	21.0	31.6#
59	13.3	9.1	13.7

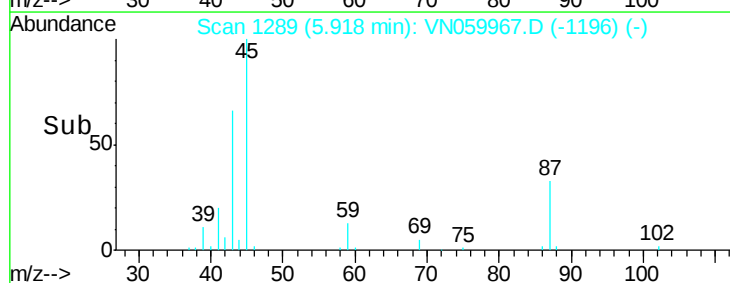
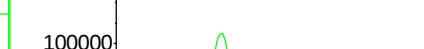
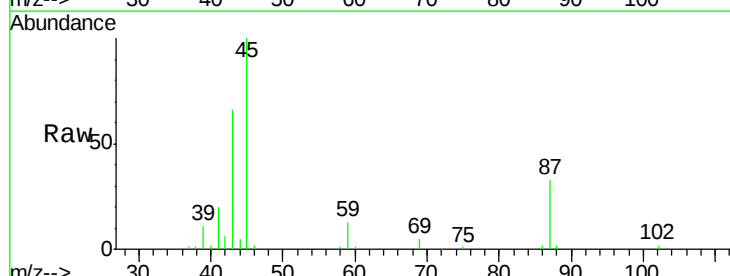
Abundance Ion 45.00 (44.70 to 45.70): VN059967.D (-1196) (-)

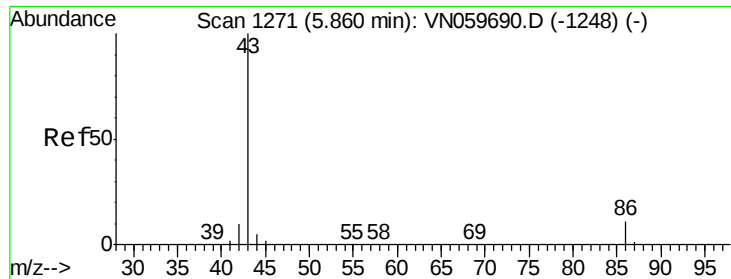
Ion 43.00 (42.70 to 43.70): VN059967.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN059967.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN059967.D (-1196) (-)

Time-->





#23

Vinyl Acetate

Concen: 95.448 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 43 Resp: 373961

Ion Ratio Lower Upper

43 100

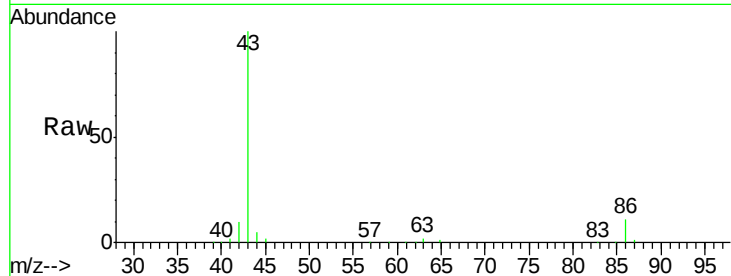
86 10.9 7.6 11.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059967.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059967.D (-1178) (-)

120000

100000

80000

60000

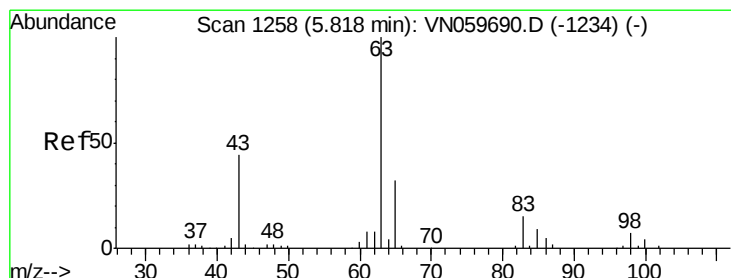
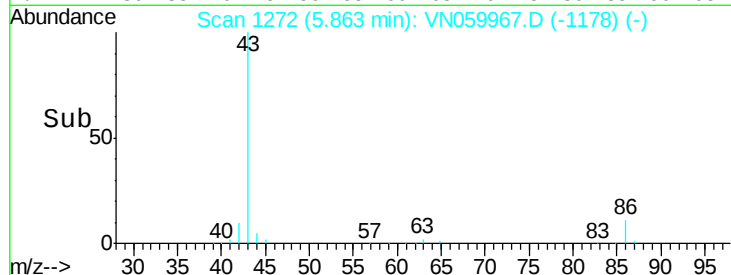
40000

20000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.244 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

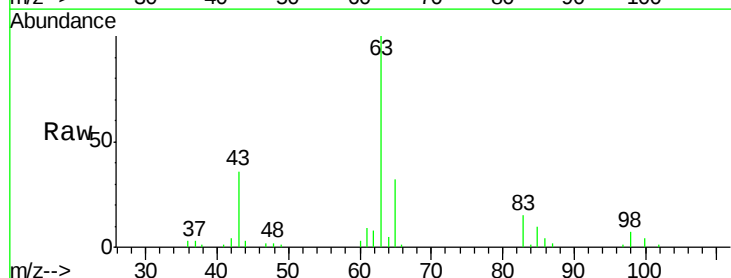
Tgt Ion: 63 Resp: 62596

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059967.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059967.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059967.D (-1165) (-)

25000

20000

15000

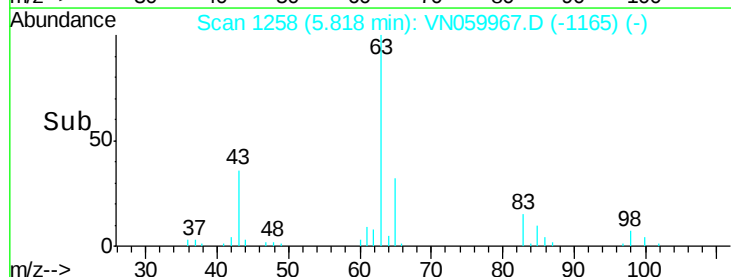
10000

5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 103.410 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 43 Resp: 117760

Ion Ratio Lower Upper

43 100

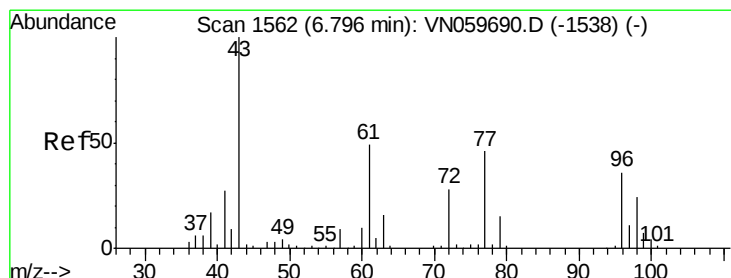
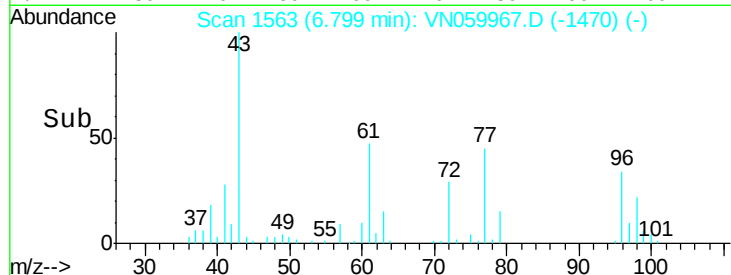
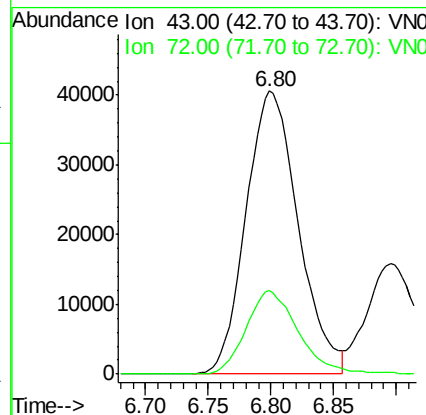
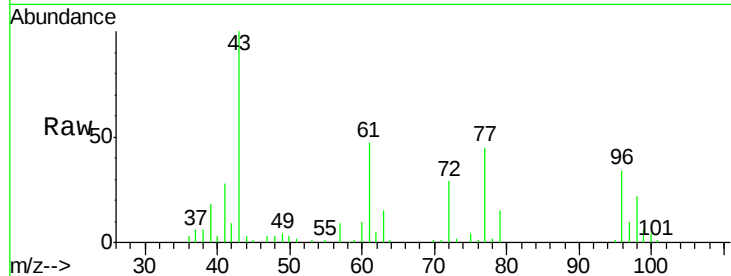
72 29.5 19.9 29.9

Manual Integrations

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2/4/2020 11:20:32 AM



#26

2,2-Dichloropropane

Concen: 19.835 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059967.D

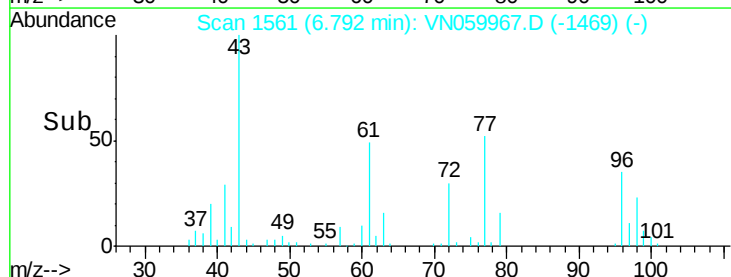
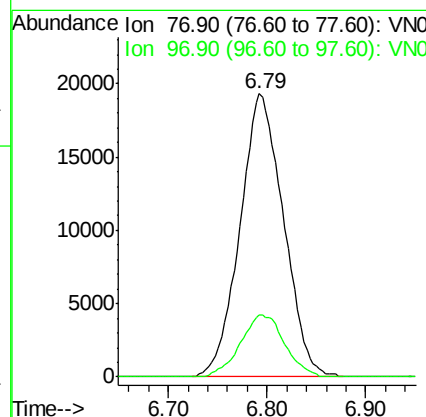
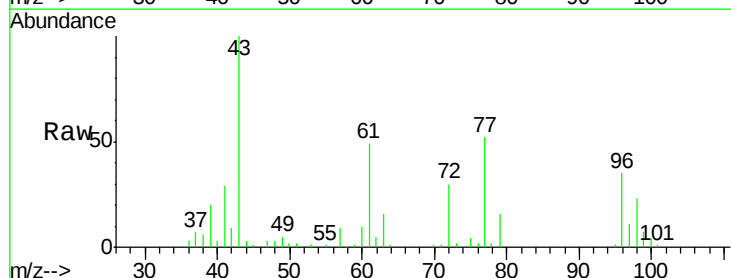
Acq: 3 Feb 2020 12:12

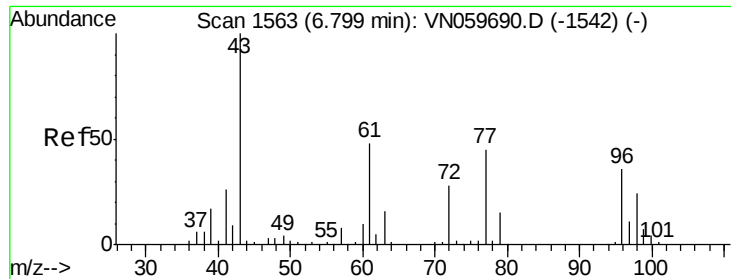
Tgt Ion: 77 Resp: 58962

Ion Ratio Lower Upper

77 100

97 22.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.945 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

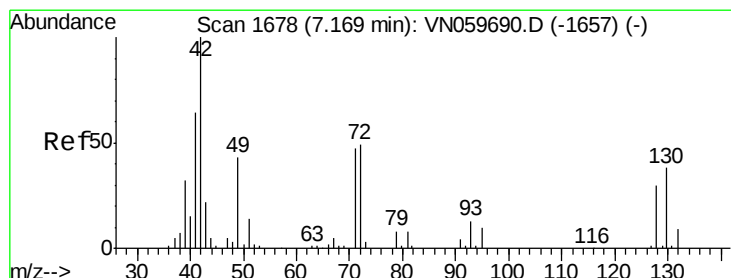
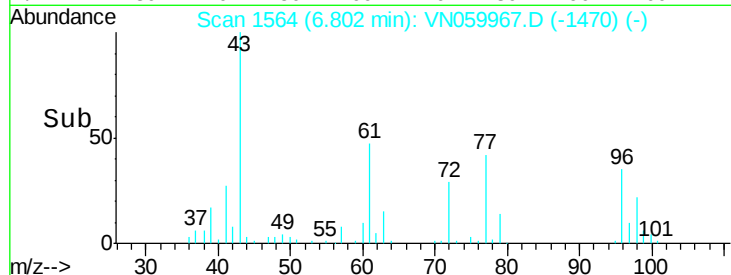
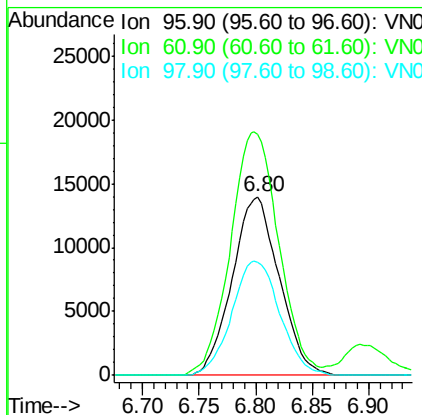
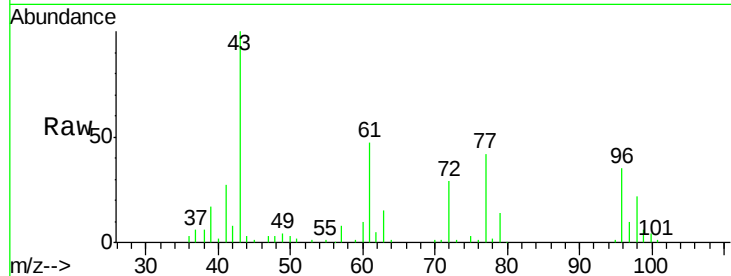
ClientSampled :

VN0203MBS01

Tot Ion:	96	Resp:	40399
Ion	Ratio	Lower	Upper
96	100		
61	140.0	0.0	317.6
98	65.5	0.0	127.0

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#28

Bromochloromethane

Concen: 20.093 ug/l

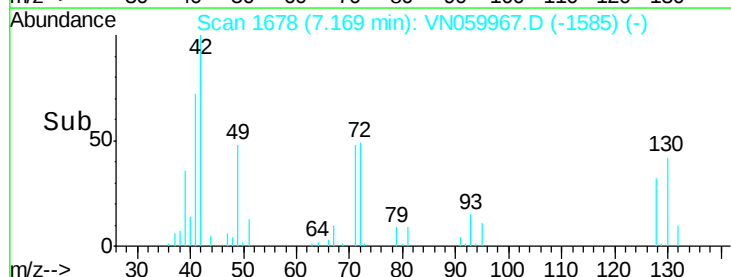
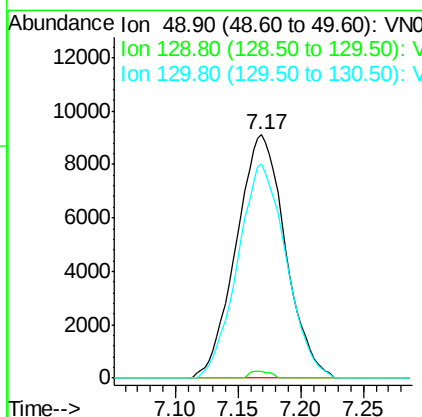
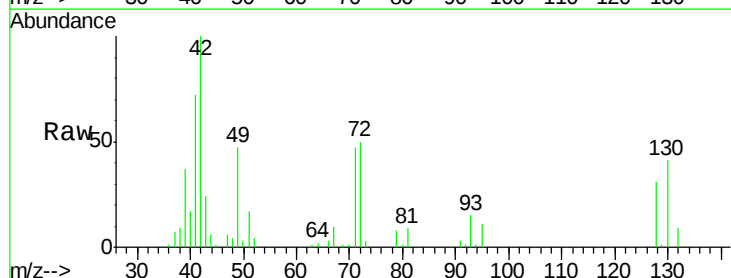
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	49	Resp:	24831
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	86.9	54.7	82.1#





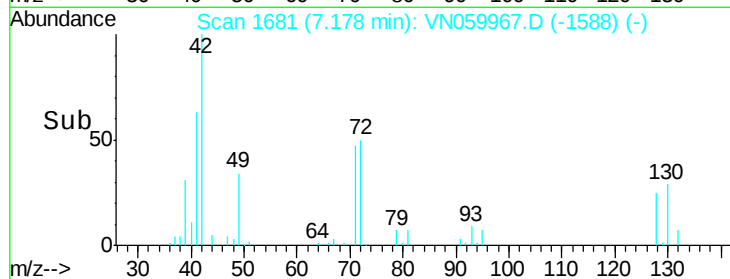
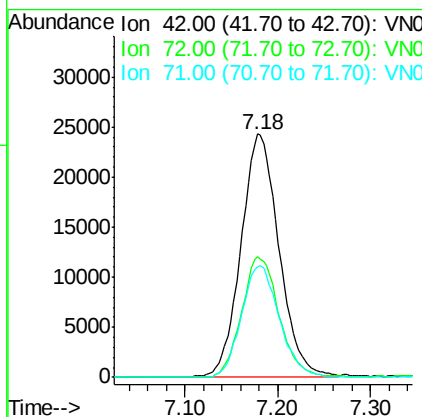
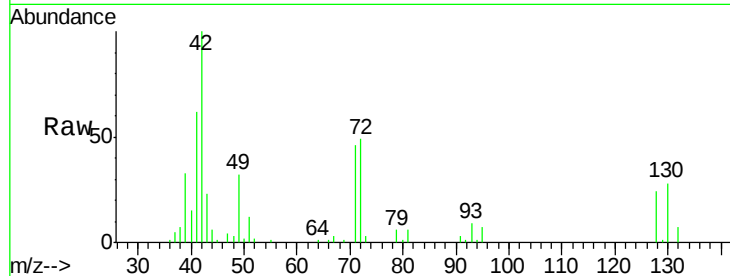
#29
Tetrahydrofuran
Concen: 98.691 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	33.1	49.7
71	45.3	31.4	47.0

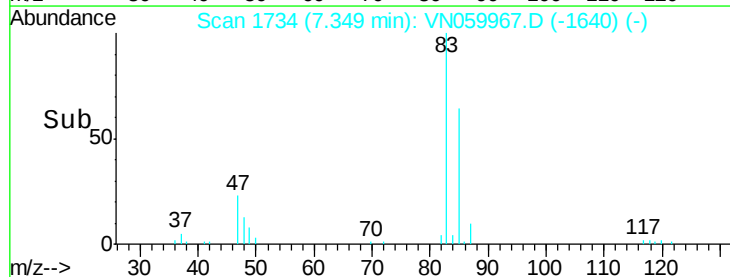
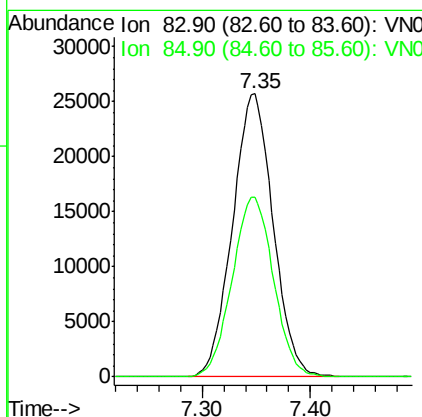
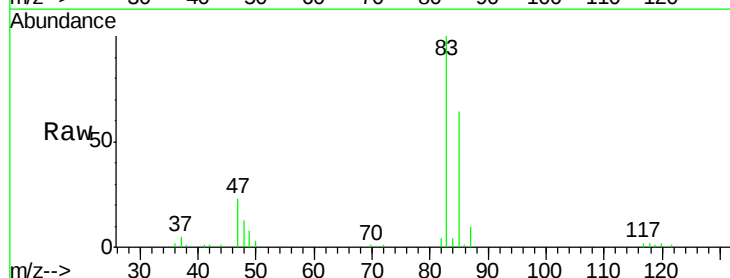
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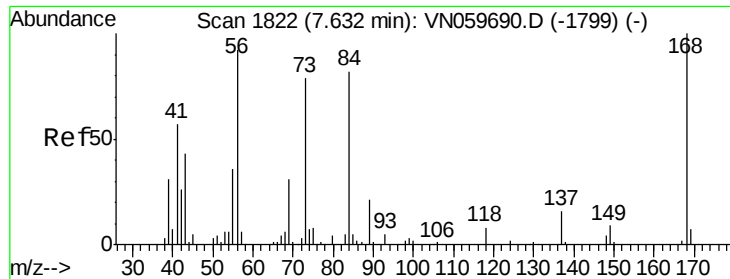
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#30
Chloroform
Concen: 21.036 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.4	78.6





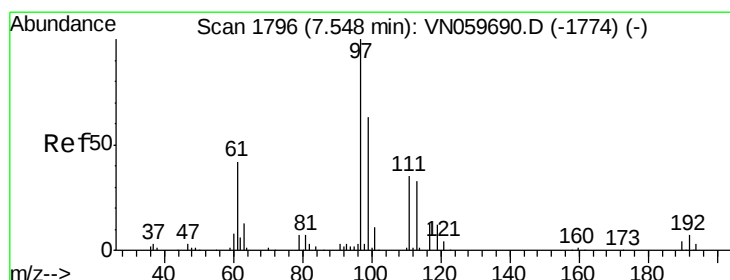
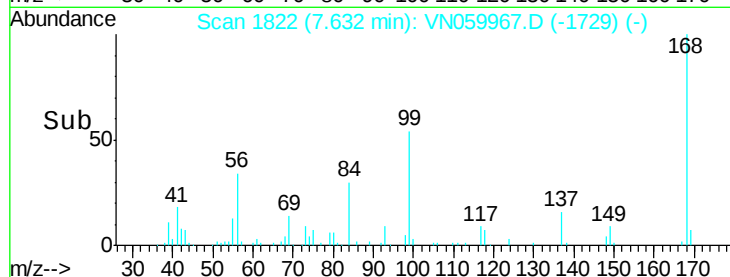
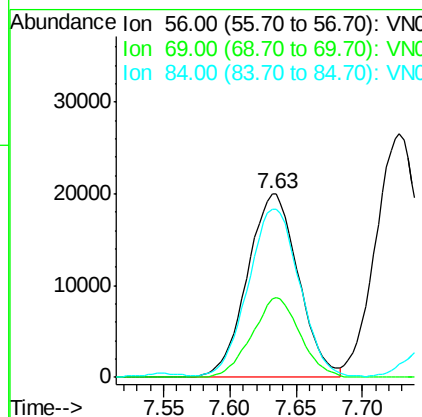
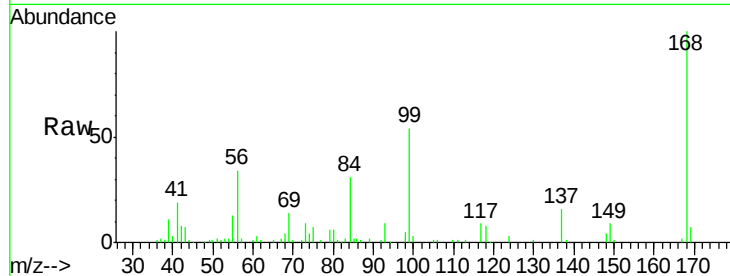
#31
Cyclohexane
Concen: 18.066 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.4	26.5	39.7#
84	90.2	65.3	97.9

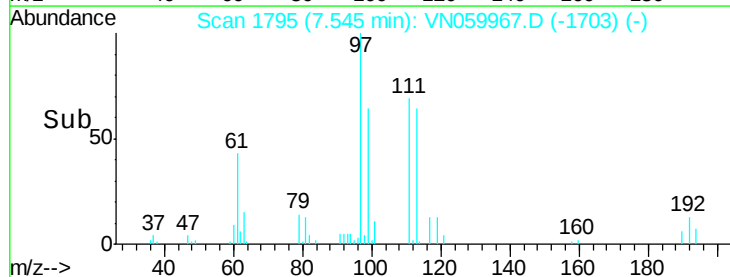
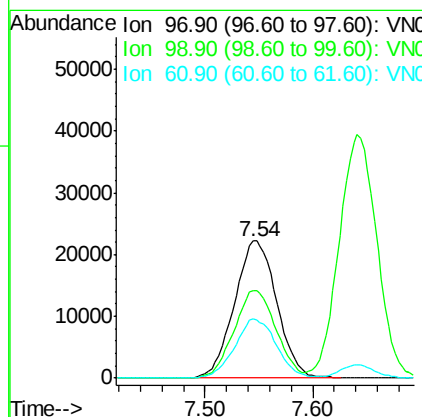
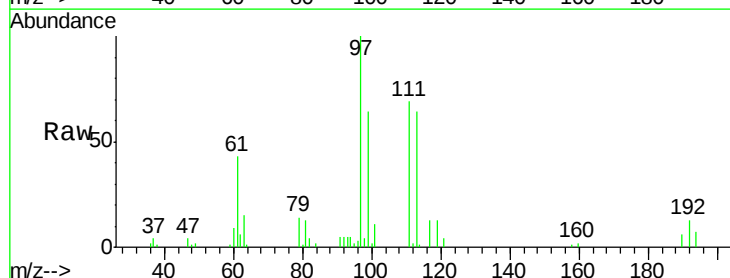
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#32
1,1,1-Trichloroethane
Concen: 20.439 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	42.5	38.5	57.7





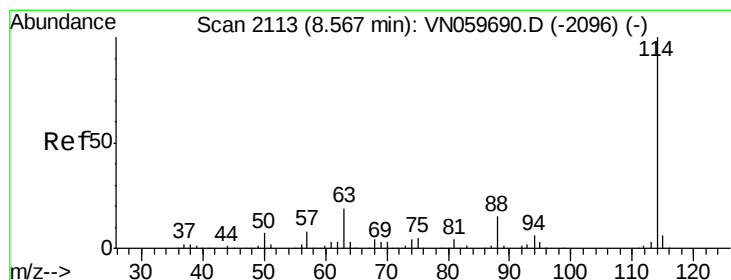
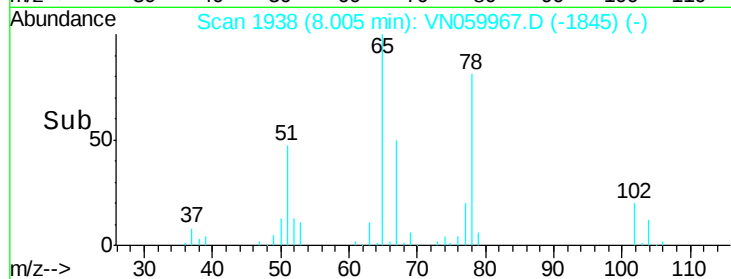
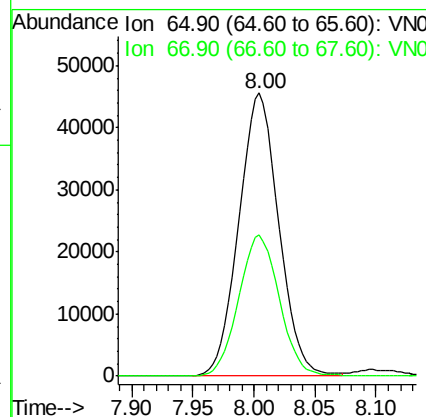
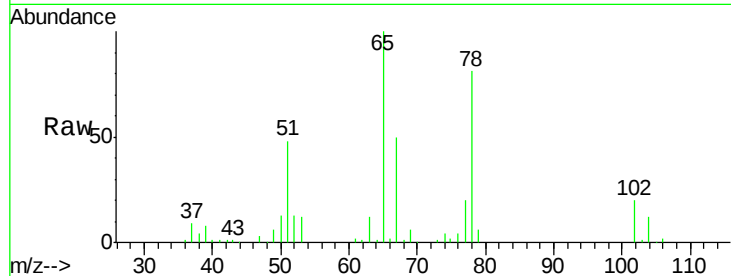
#33
 1,2-Dichloroethane-d4
 Concen: 51.350 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.7	0.0	103.0	

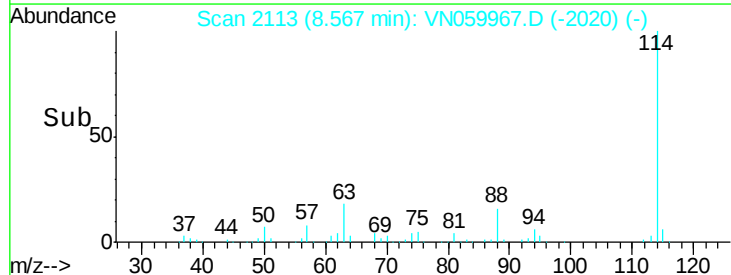
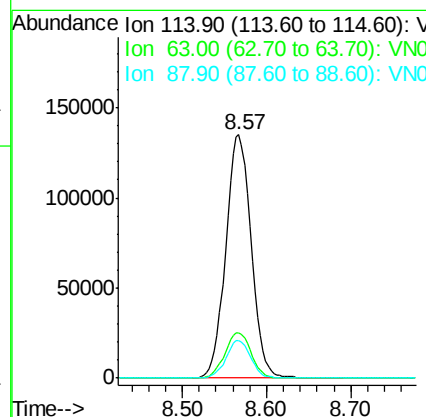
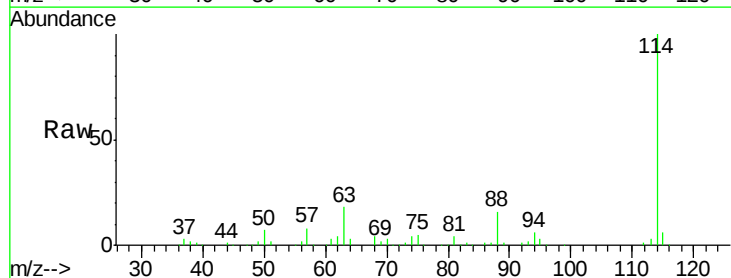
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	43.6	
88	15.5	0.0	31.4	





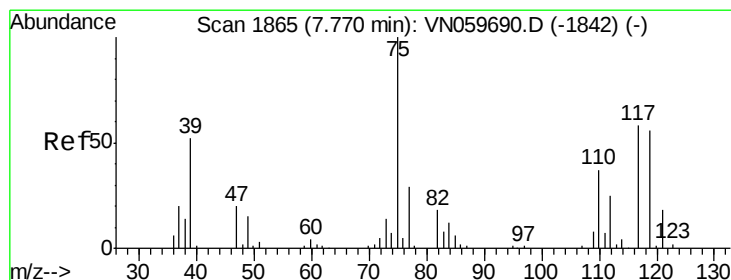
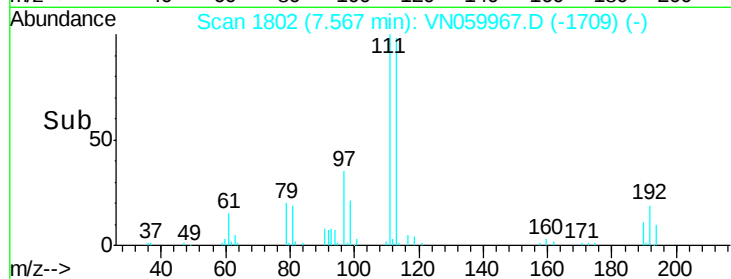
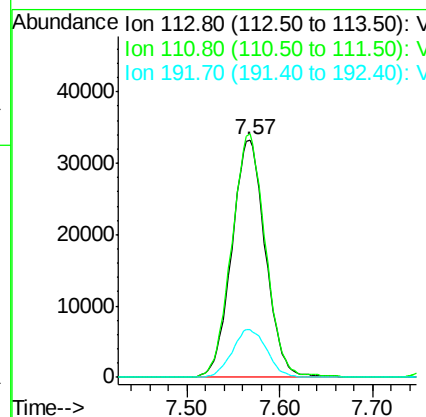
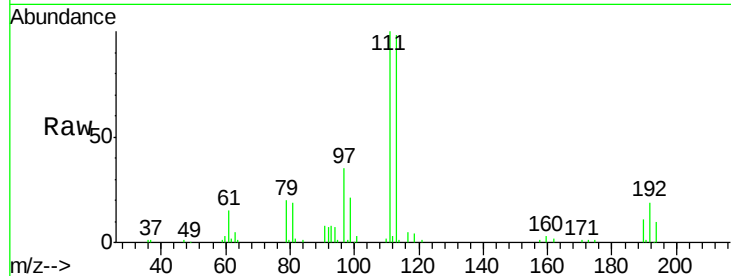
#35
 Dibromofluoromethane
 Concen: 49.514 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.5	125.3
192	20.6	15.4	23.2

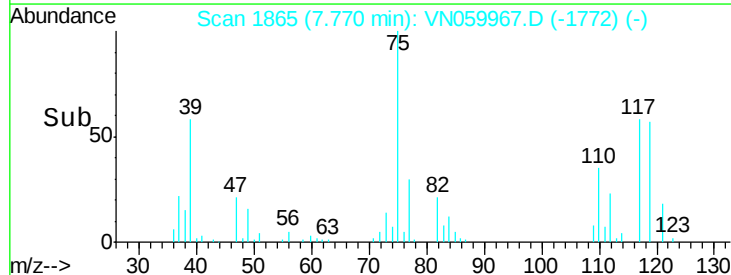
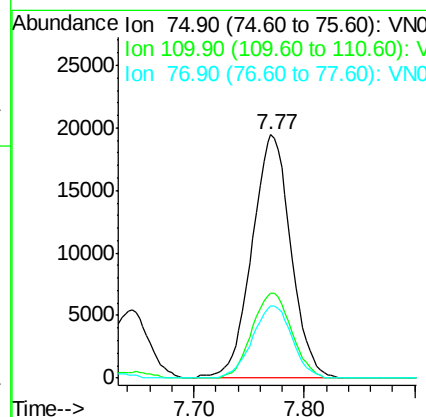
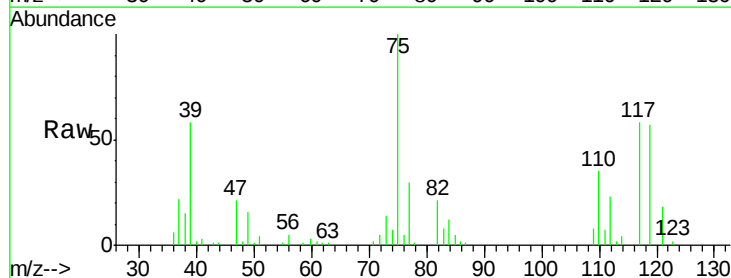
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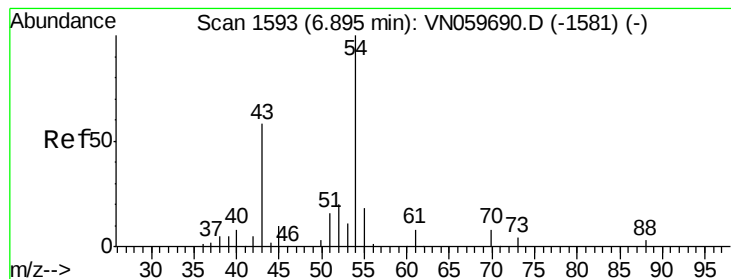
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#36
 1,1-Dichloropropene
 Concen: 19.266 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.3	16.6	49.7
77	30.3	25.1	37.7





#37

Ethyl Acetate

Concen: 19.306 ug/l

RT: 6.90 min Scan# 1593

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

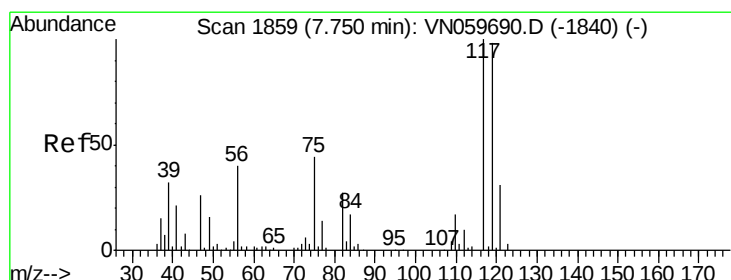
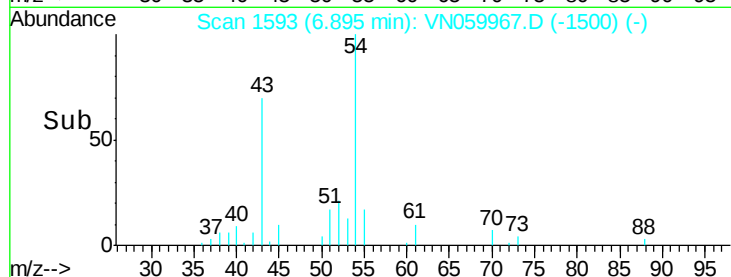
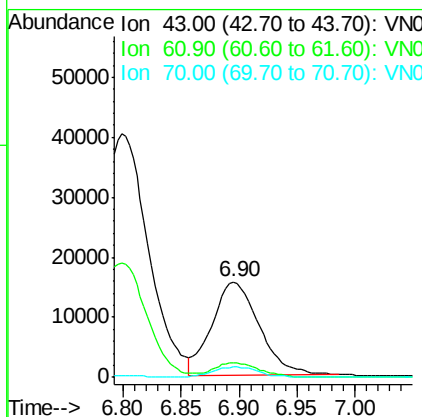
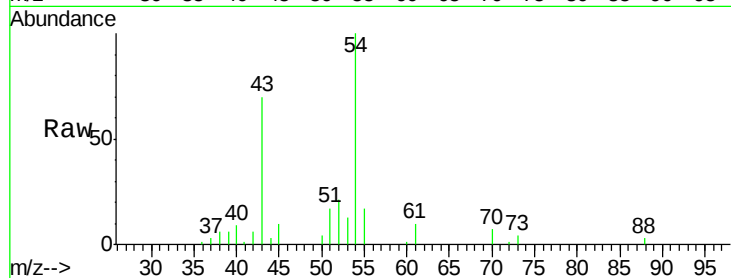
ClientSampled :

VN0203MBS01

Tot Ion:	43	Resp:	44588
Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.9	16.3
70	10.6	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 19.325 ug/l

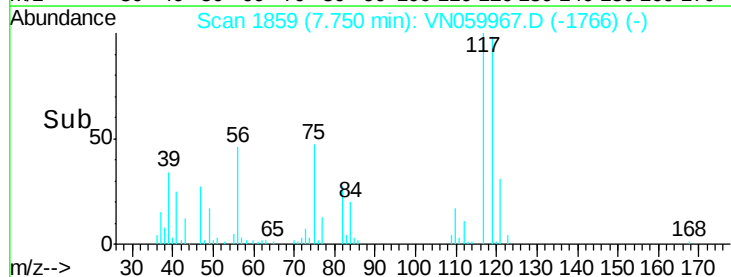
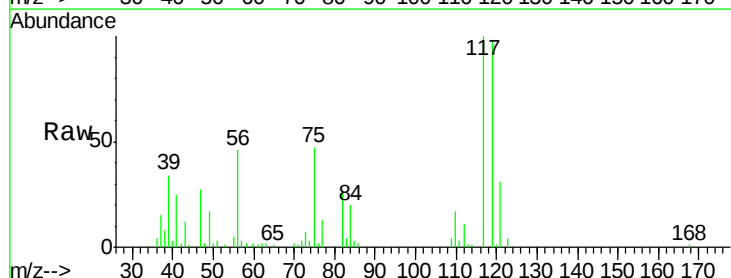
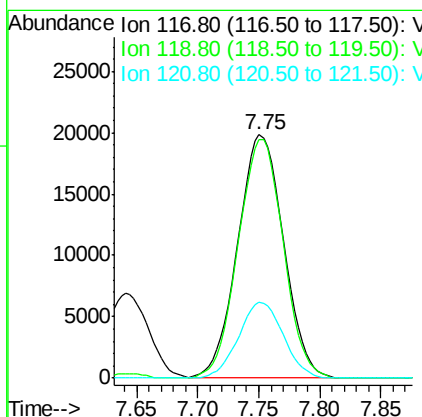
RT: 7.75 min Scan# 1859

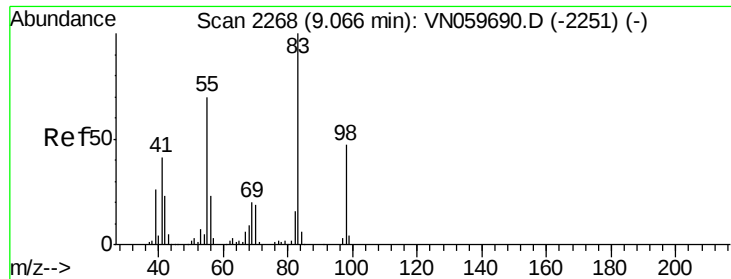
Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	117	Resp:	51766
Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.5	114.7
121	31.0	25.1	37.7





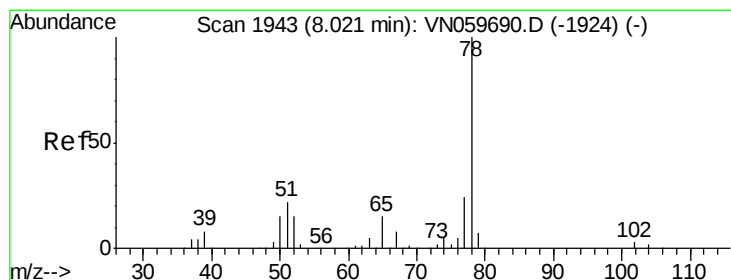
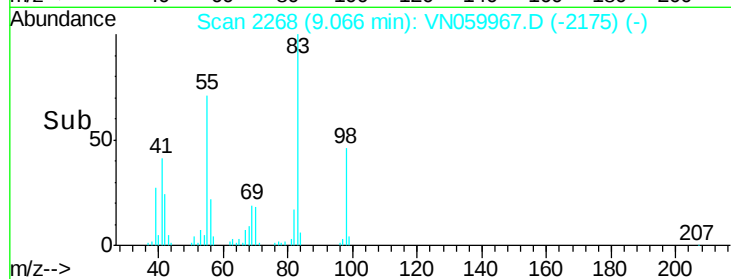
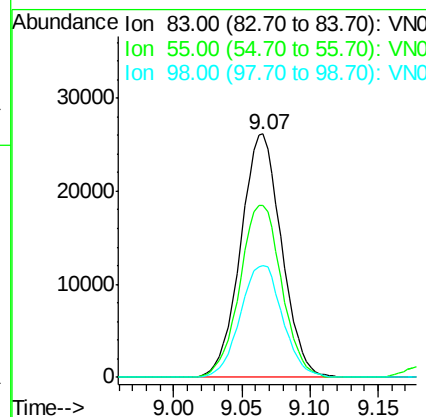
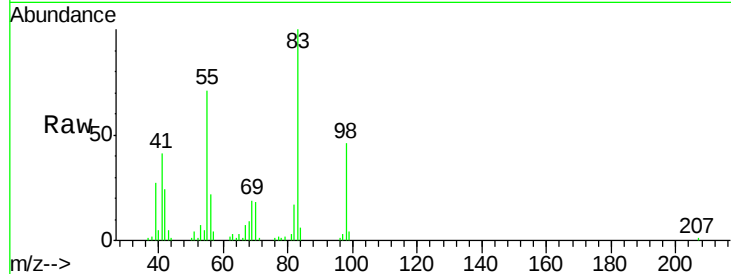
#39
Methvlcvclohexane
Concen: 17.921 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.7	64.2	96.2
98	46.1	35.9	53.9

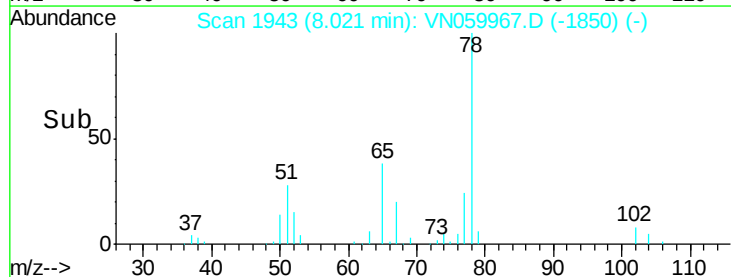
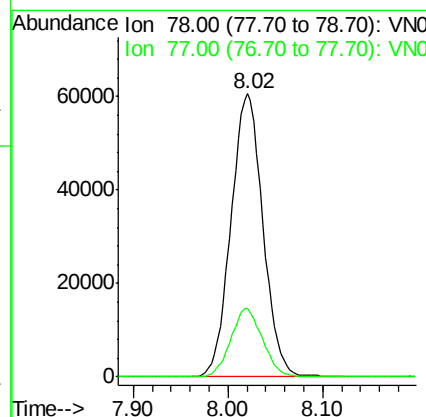
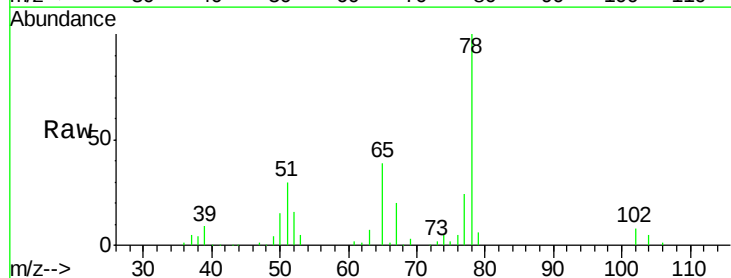
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#40
Benzene
Concen: 19.314 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





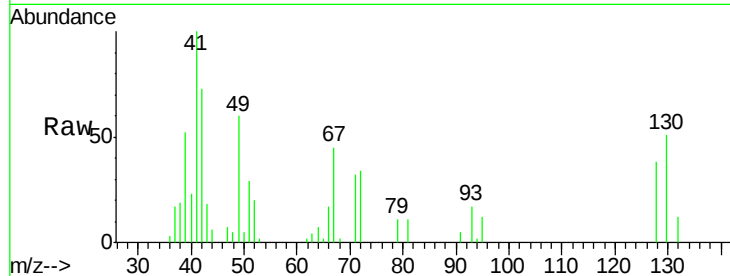
#41
Methacrylonitrile
Concen: 19.006 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

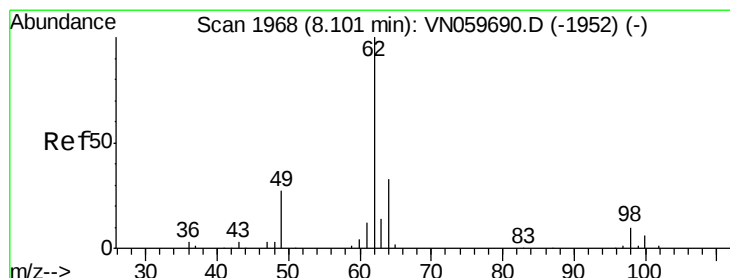
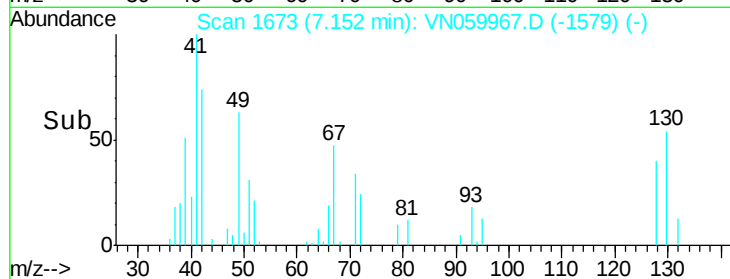
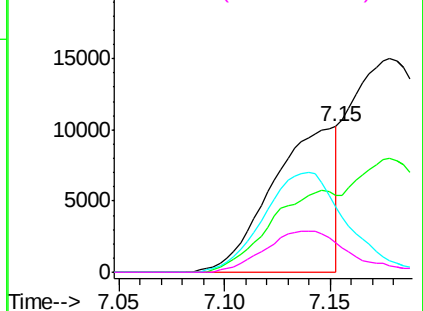
Tot Ion	41.00	Resp	21621
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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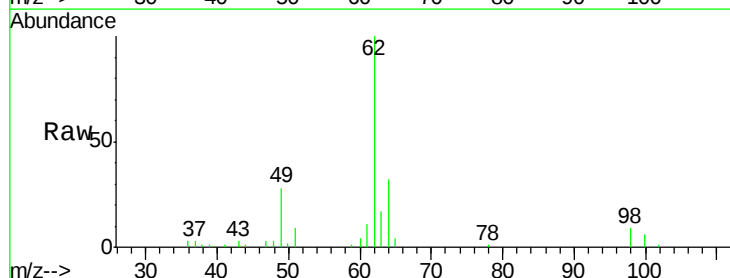


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

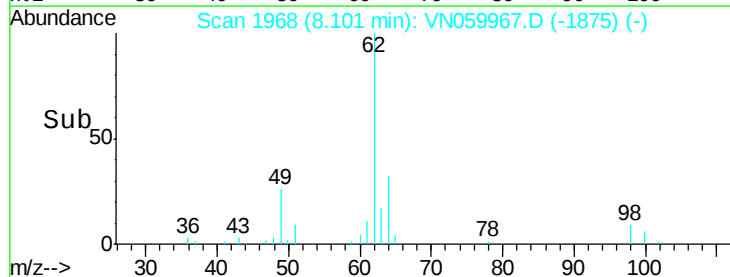
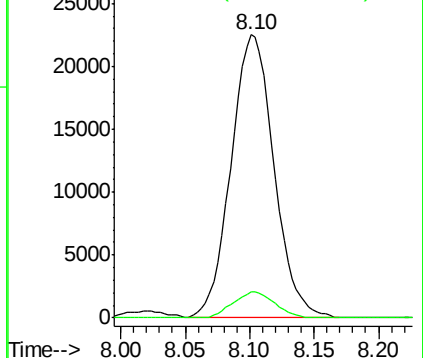


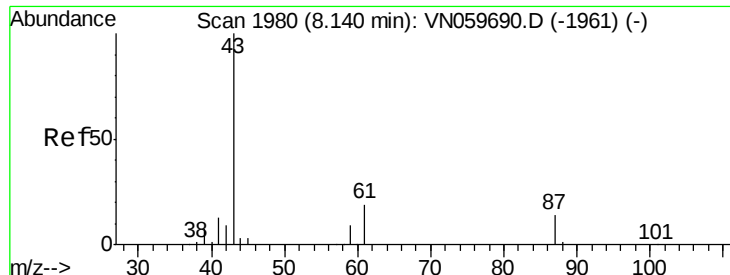
#42
1,2-Dichloroethane
Concen: 20.957 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	62	Resp	52183
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.513 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

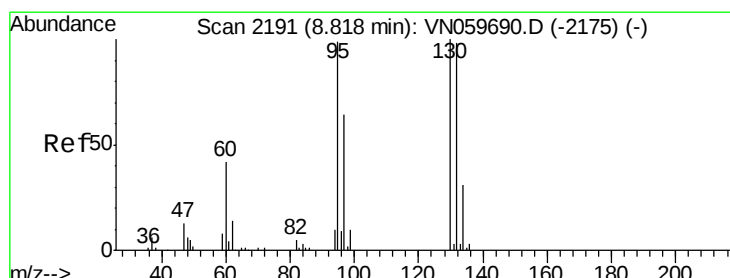
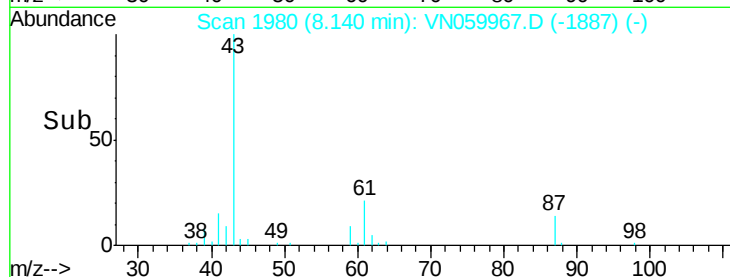
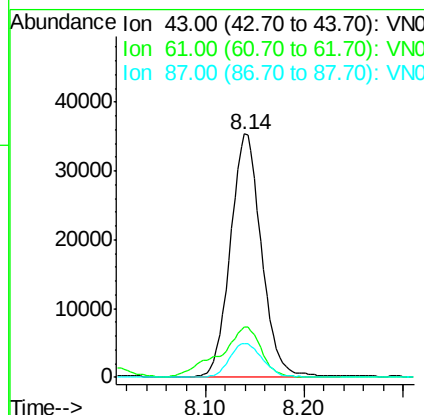
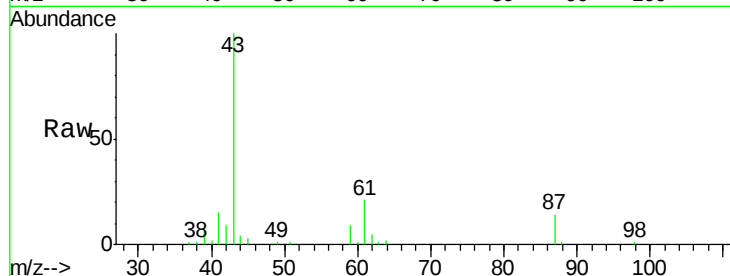
ClientSampleId :

VN0203MBS01

Tot Ion:	43	Resp:	77516
Ion	Ratio	Lower	Upper
43	100		
61	27.5	20.2	30.2
87	14.6	9.5	14.3#

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#44

Trichloroethene

Concen: 20.632 ug/l

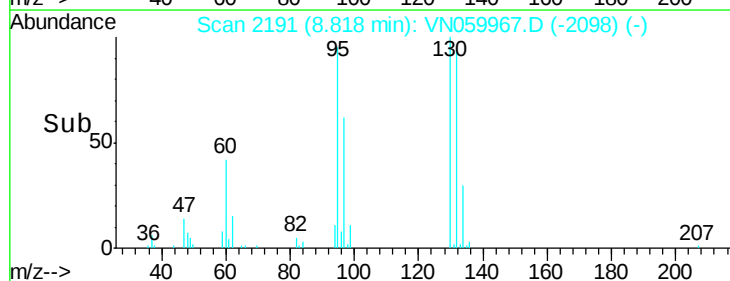
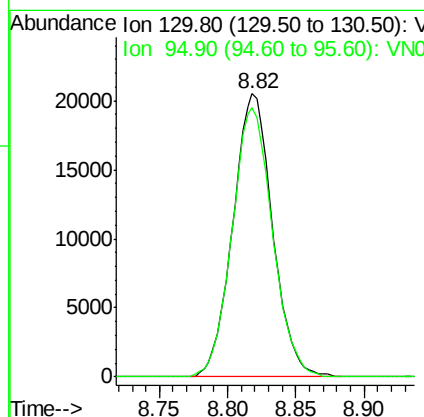
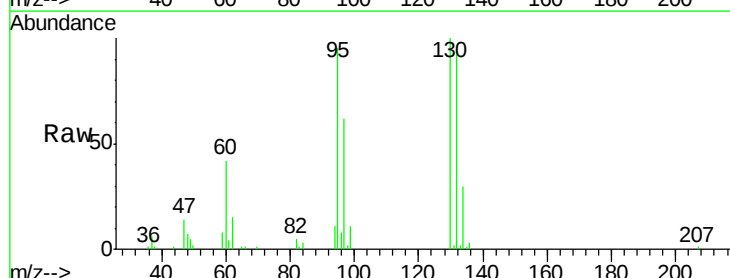
RT: 8.82 min Scan# 2191

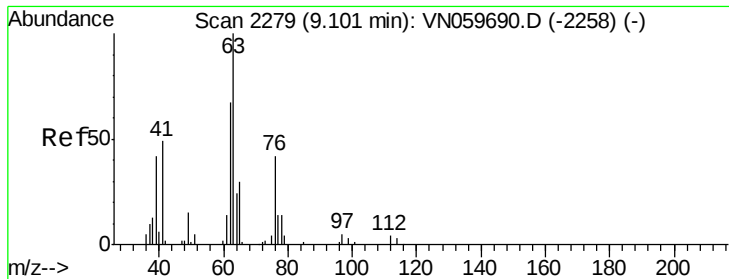
Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	130	Resp:	41364
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.958 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 63 Resp: 38086

Ion Ratio Lower Upper

63 100

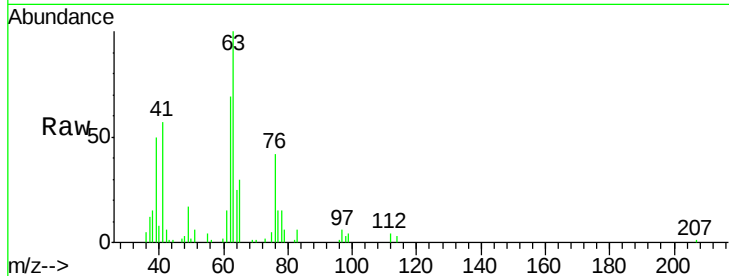
65 29.9 24.9 37.3

Manual Integrations

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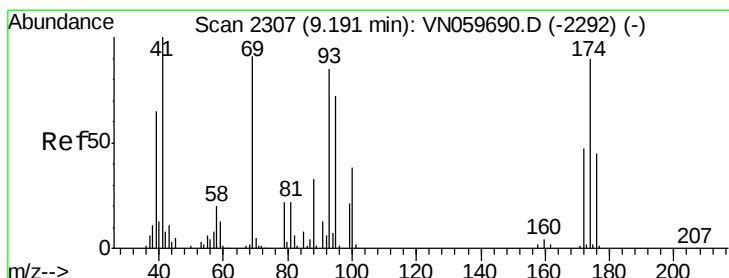
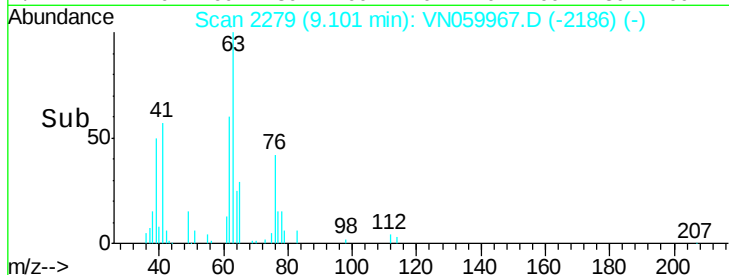
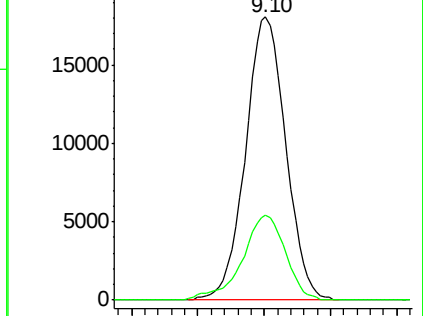
MMDadoda

2/4/2020 11:20:32 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.848 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

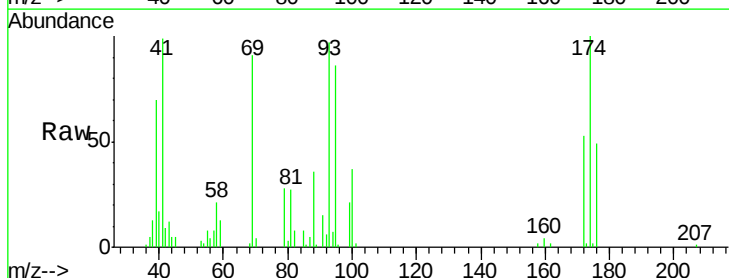
Tgt Ion: 93 Resp: 26725

Ion Ratio Lower Upper

93 100

95 83.4 67.0 100.6

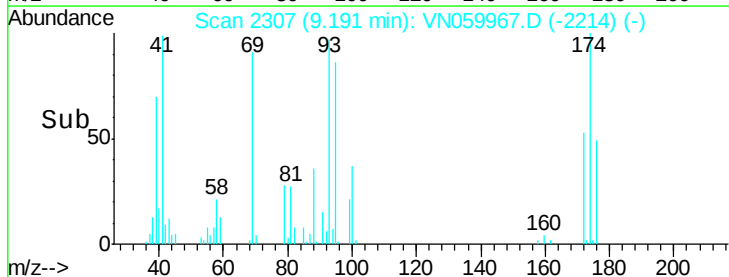
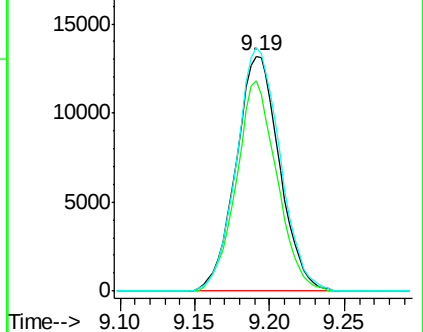
174 103.8 73.4 110.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





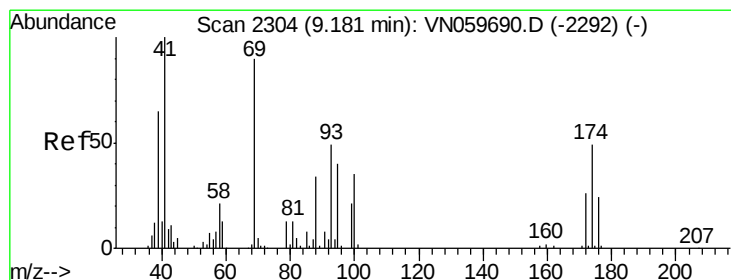
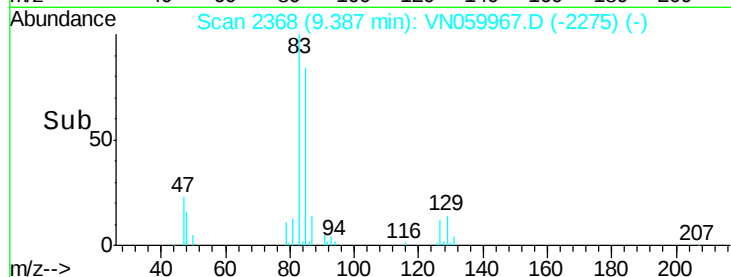
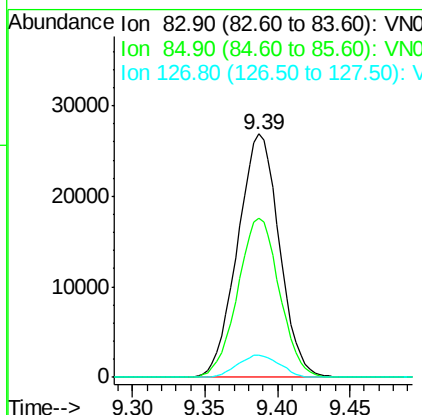
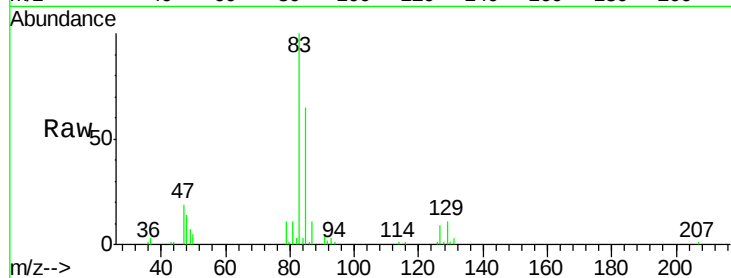
#47
Bromodichloromethane
Concen: 20.809 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	9.1	6.6	9.8

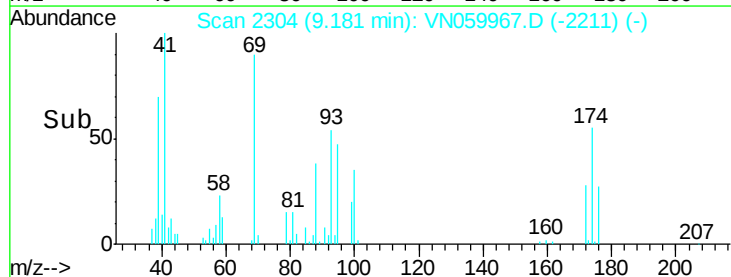
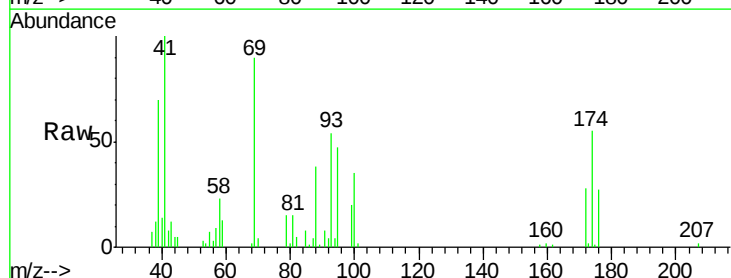
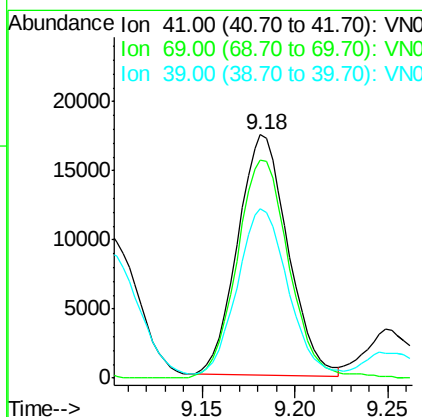
Manual Integrations
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#48
Methyl methacrylate
Concen: 18.485 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	64.4	96.6
39	68.9	51.3	76.9





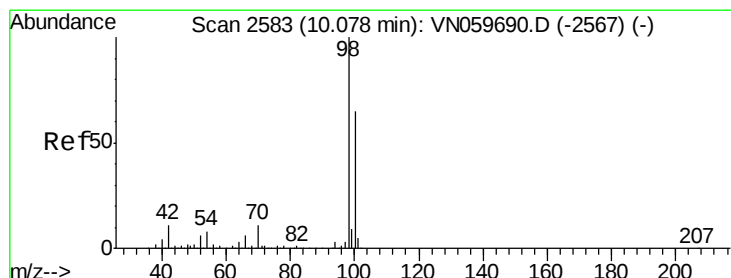
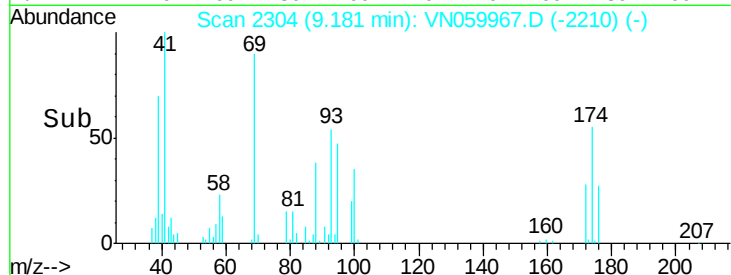
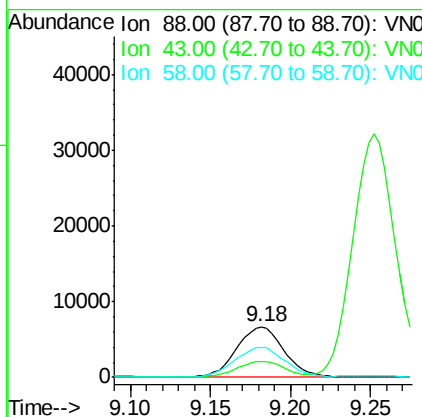
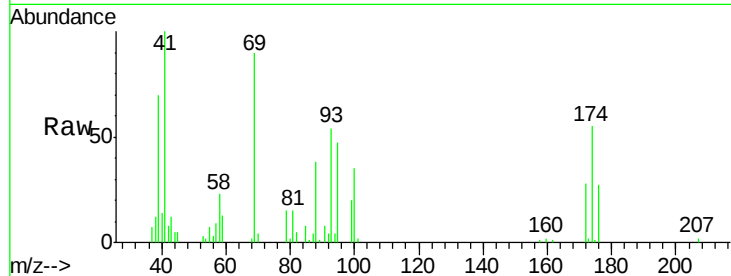
#49
1,4-Dioxane
Concen: 416.393 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	88	Resp	13545
Ion	Ratio	Lower	Upper
88	100		
43	32.1	29.7	44.5
58	62.5	56.6	85.0

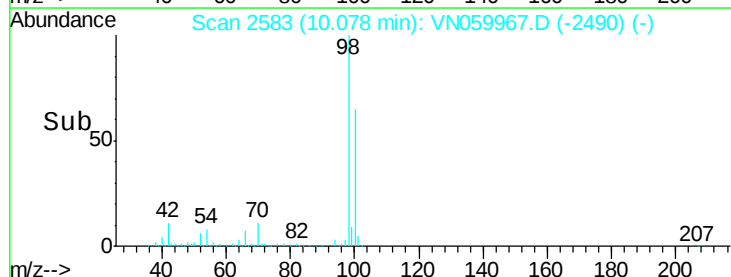
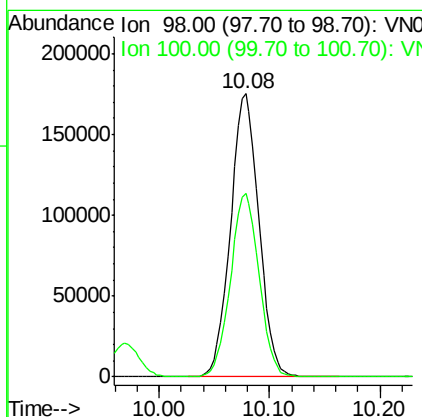
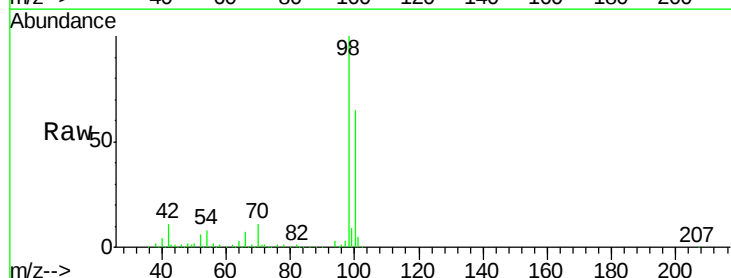
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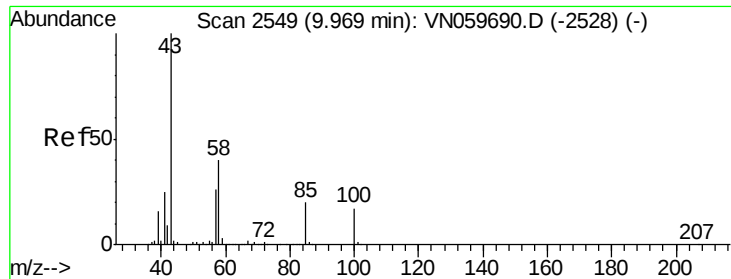
MMDadoda
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#50
Toluene-d8
Concen: 47.928 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	98	Resp	313140
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.519 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 43 Resp: 228540

Ion Ratio Lower Upper

43 100

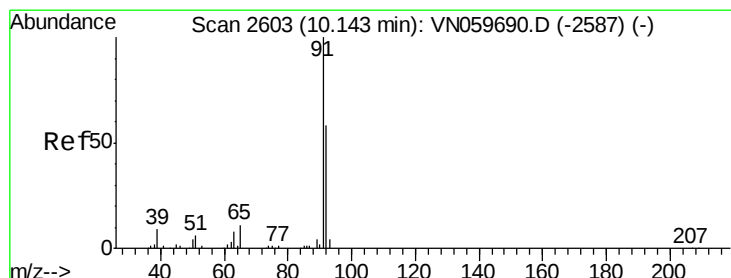
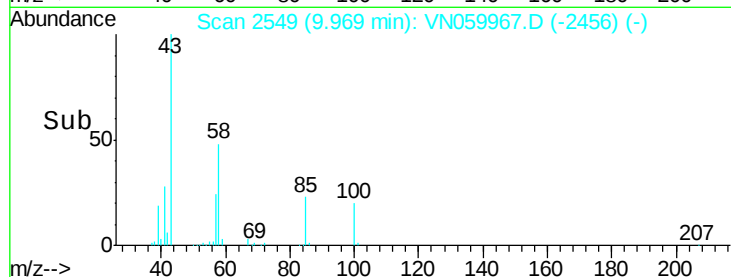
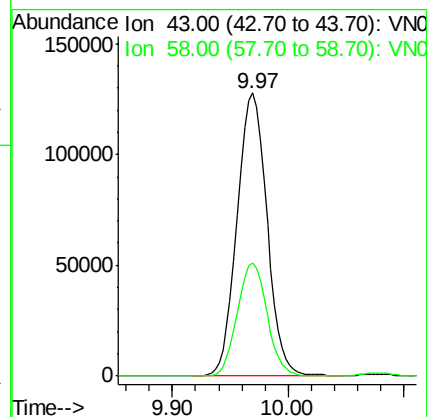
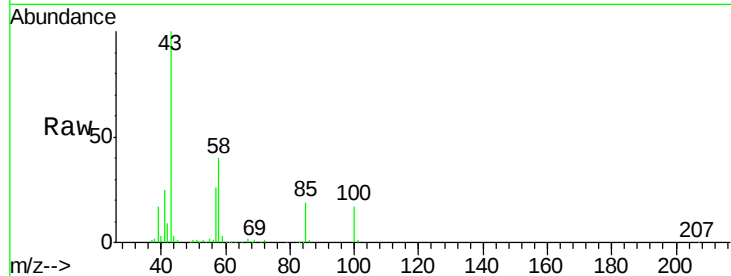
58 39.9 29.8 44.8

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#52

Toluene

Concen: 19.737 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059967.D

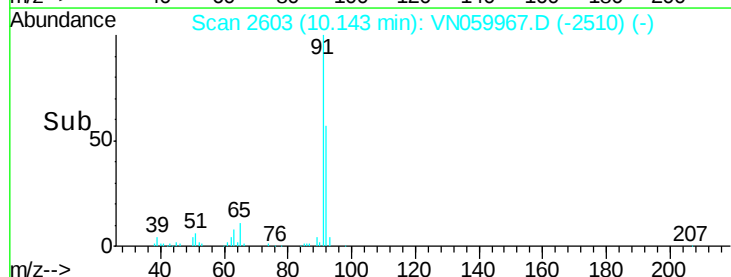
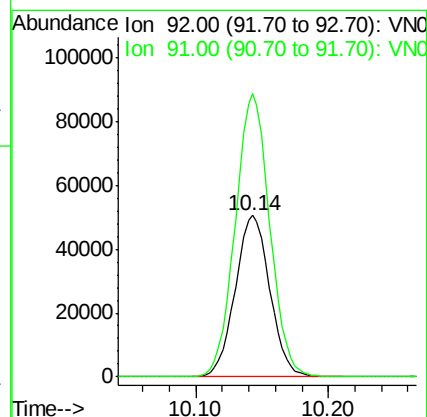
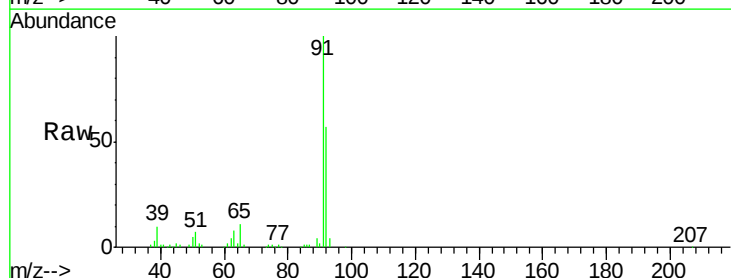
Acq: 3 Feb 2020 12:12

Tgt Ion: 92 Resp: 91559

Ion Ratio Lower Upper

92 100

91 174.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.329 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0203MBS01

Tot Ion: 75 Resp: 58638

Ion Ratio Lower Upper

75 100

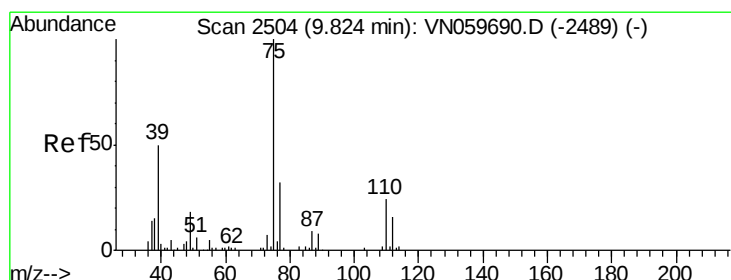
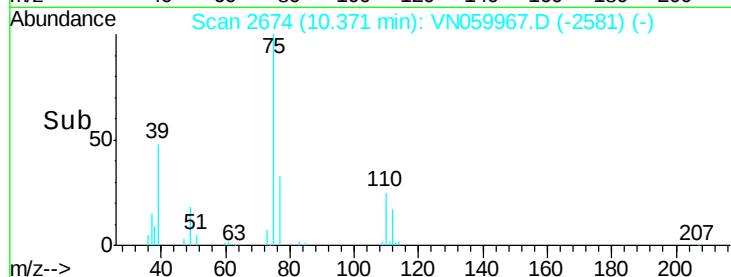
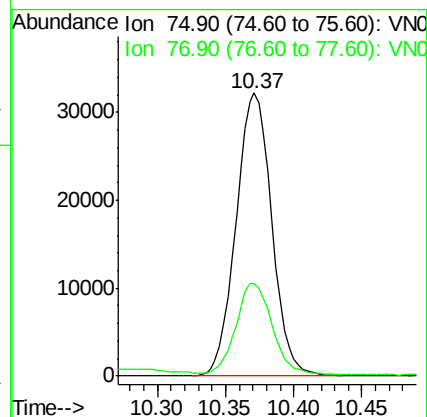
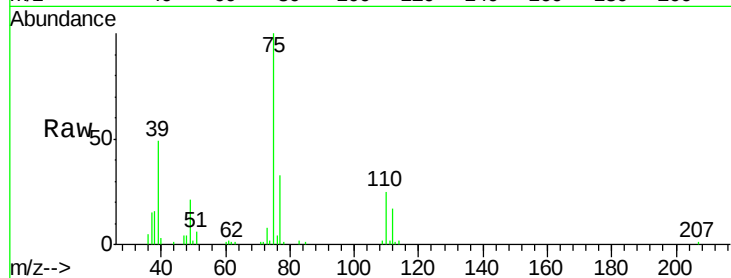
77 32.1 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.756 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

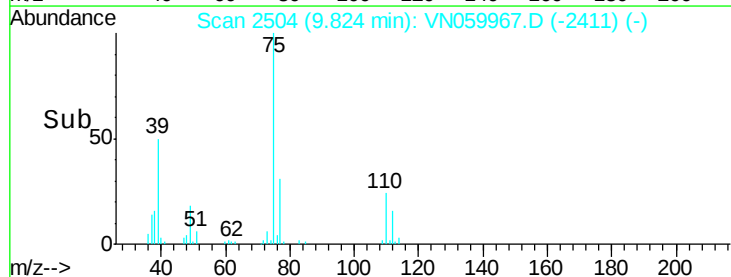
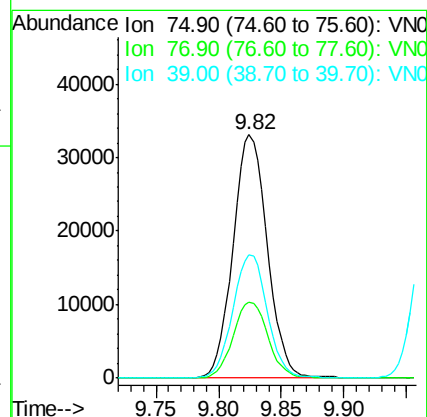
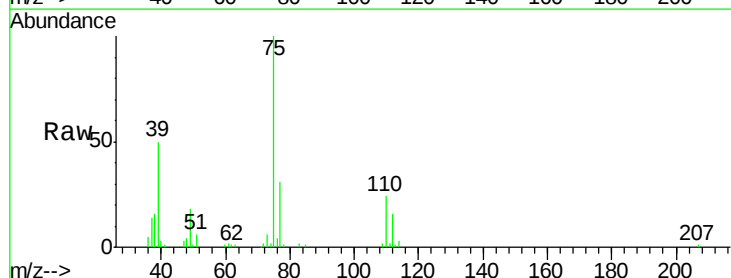
Tgt Ion: 75 Resp: 62993

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 50.4 46.1 69.1





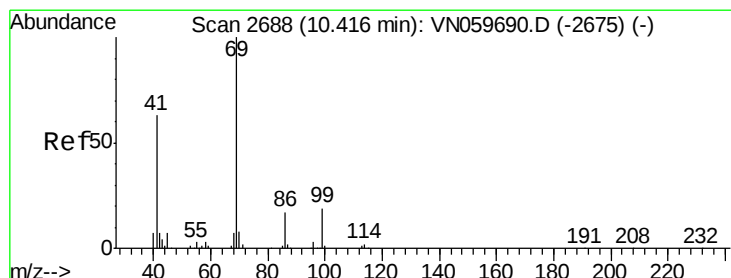
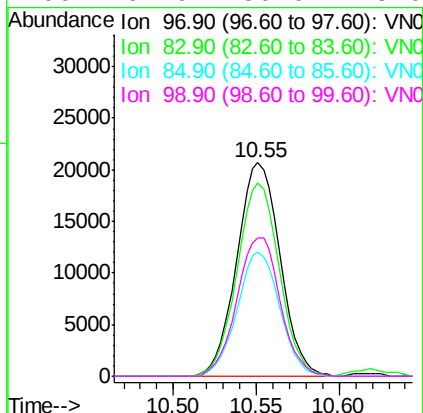
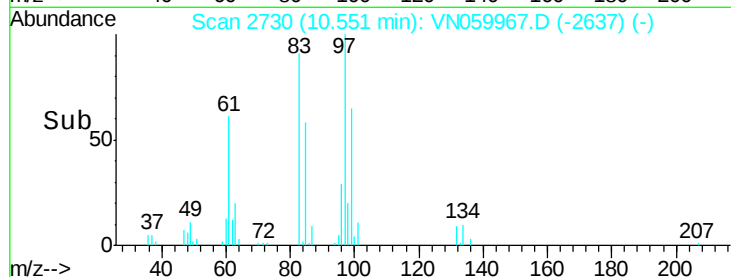
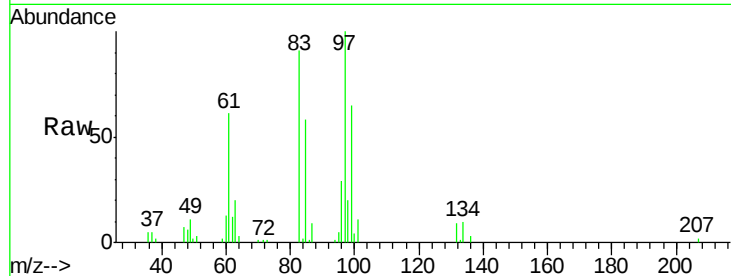
#55
 1,1,2-Trichloroethane
 Concen: 20.488 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion:	97	Resp:	37642
Ion	Ratio	Lower	Upper
97	100		
83	90.7	71.3	106.9
85	58.0	45.8	68.8
99	64.9	50.0	75.0

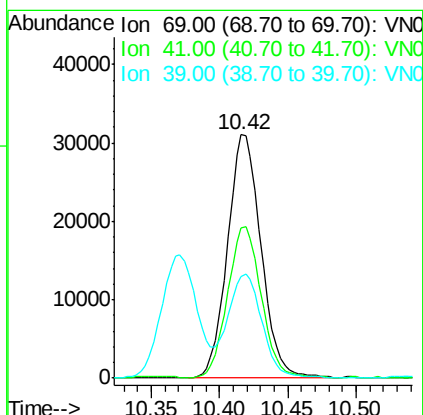
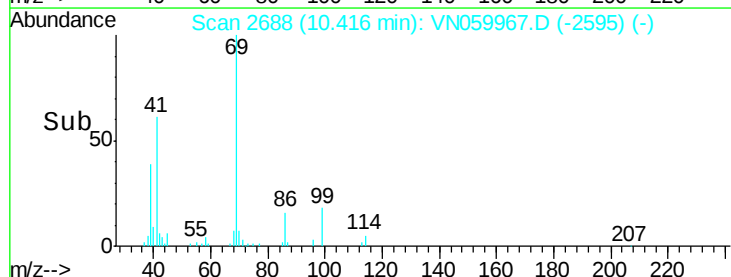
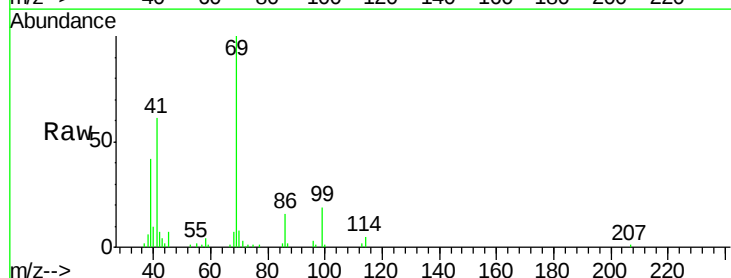
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#56
 Ethyl methacrylate
 Concen: 18.940 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion:	69	Resp:	53172
Ion	Ratio	Lower	Upper
69	100		
41	62.7	57.1	85.7
39	43.3	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.101 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 76 Resp: 61549

Ion Ratio Lower Upper

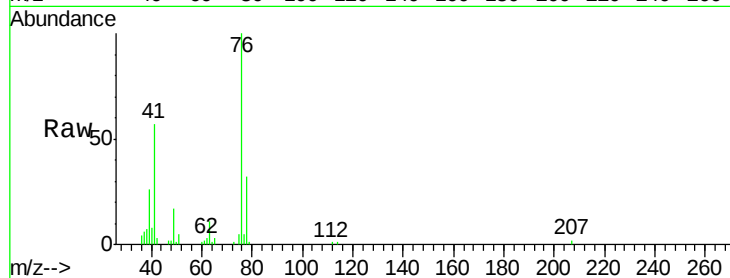
76 100

78 32.5 25.8 38.8

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN059967.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059967.D (-2761) (-)

10.70

40000

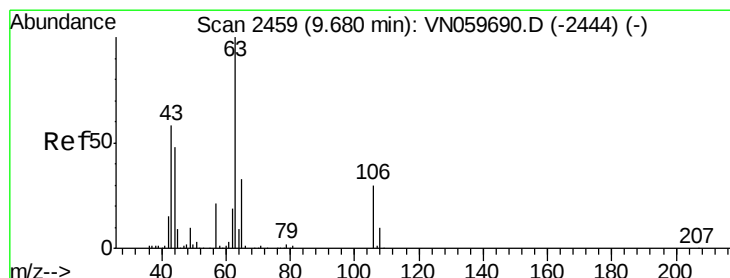
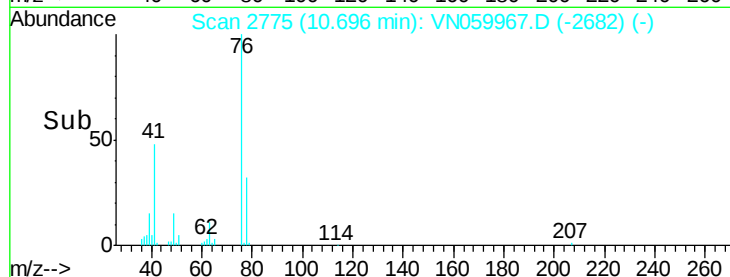
30000

20000

10000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 101.992 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059967.D

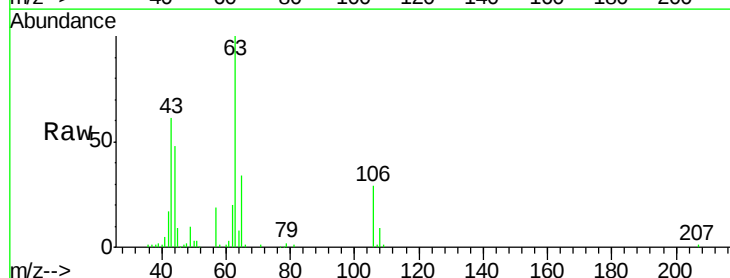
Acq: 3 Feb 2020 12:12

Tgt Ion: 63 Resp: 86242

Ion Ratio Lower Upper

63 100

106 29.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059967.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059967.D (-2444) (-)

9.68

50000

40000

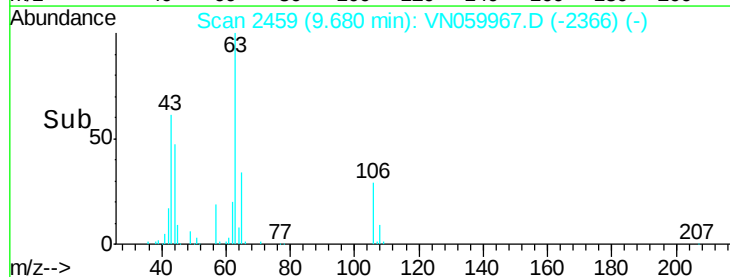
30000

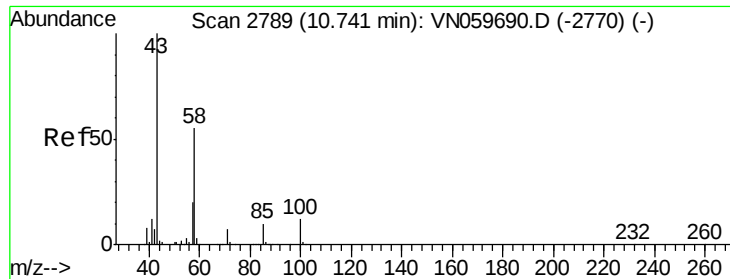
20000

10000

0

Time-->





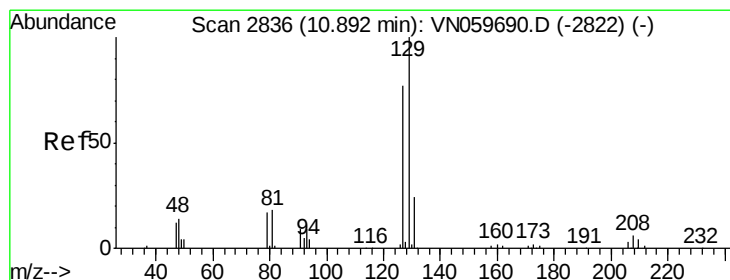
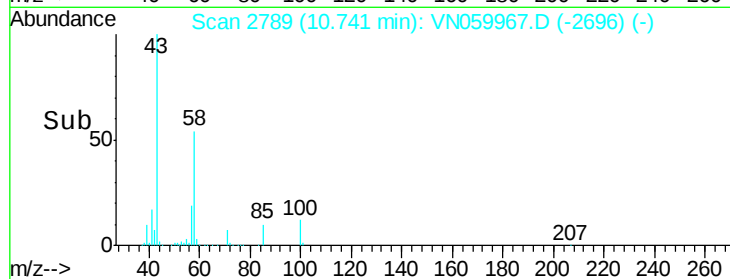
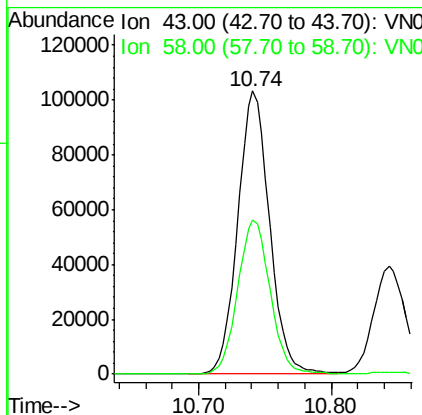
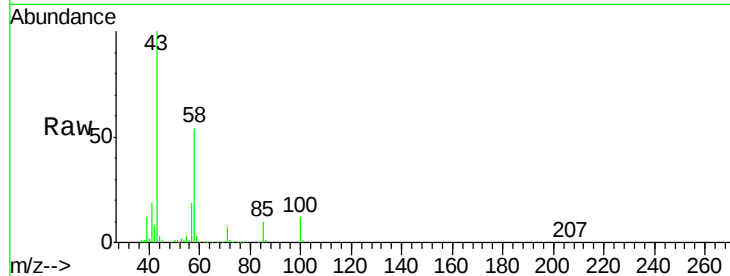
#59
2-Hexanone
Concen: 101.863 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 43 Resp: 172331
Ion Ratio Lower Upper
43 100
58 55.5 25.8 77.3

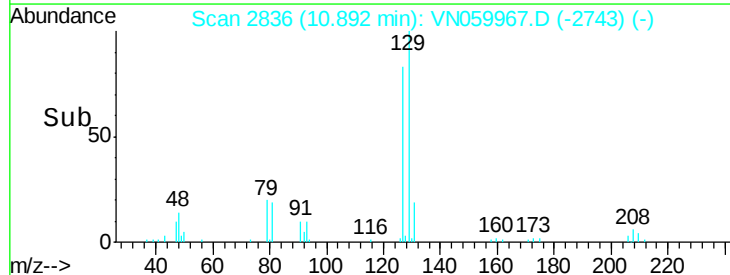
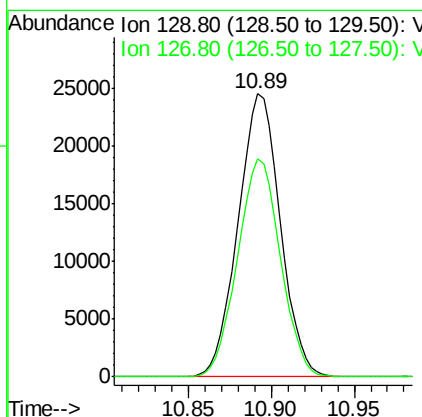
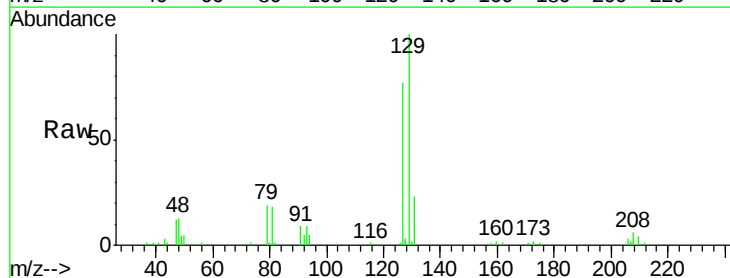
Manual Integrations
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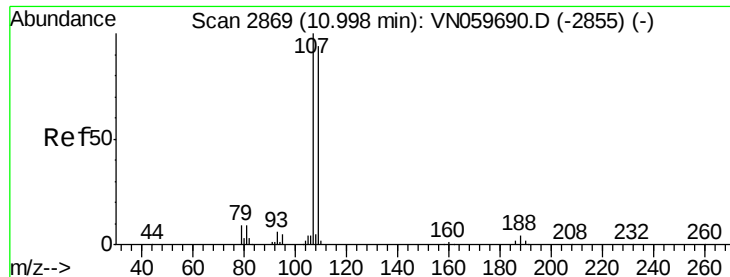
MMDadoda
2/4/2020 11:20:32 AM



#60
Dibromochloromethane
Concen: 20.740 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion: 129 Resp: 43392
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





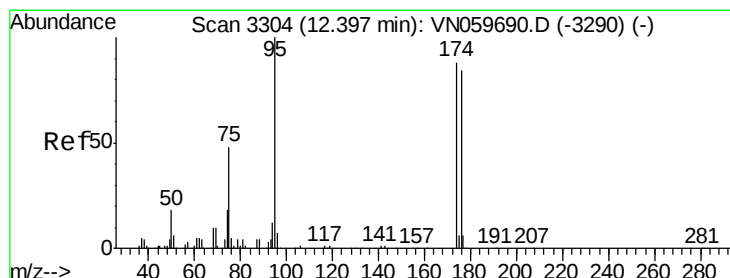
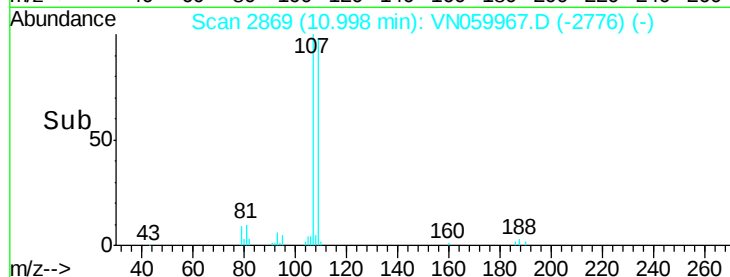
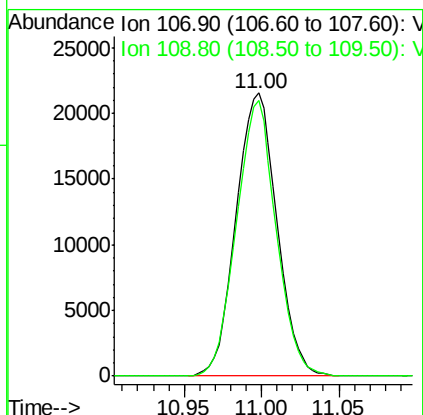
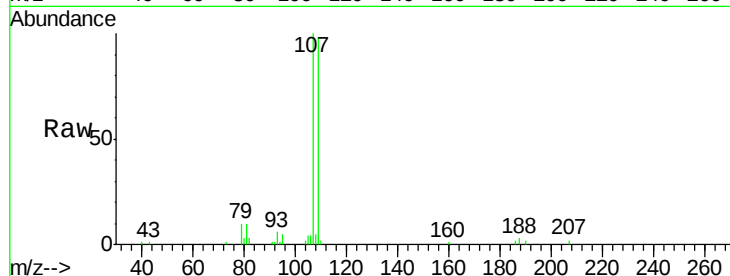
#61
 1,2-Dibromoethane
 Concen: 20.549 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0203MBS01

Tot Ion: 107 Resp: 39570
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.6 115.0

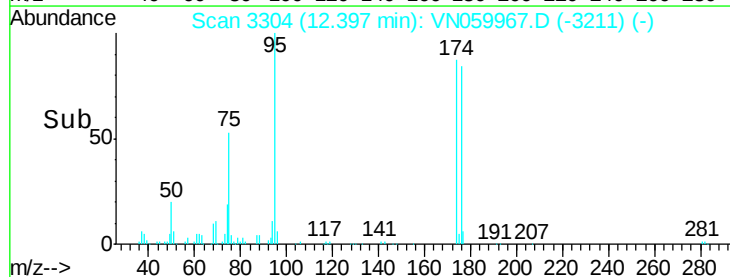
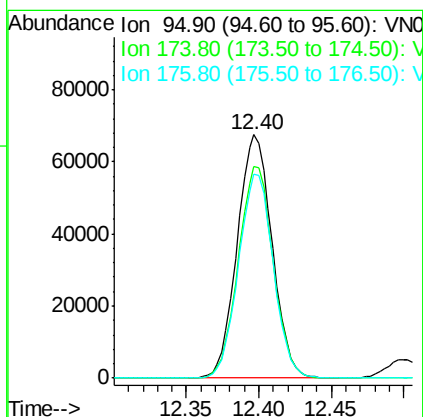
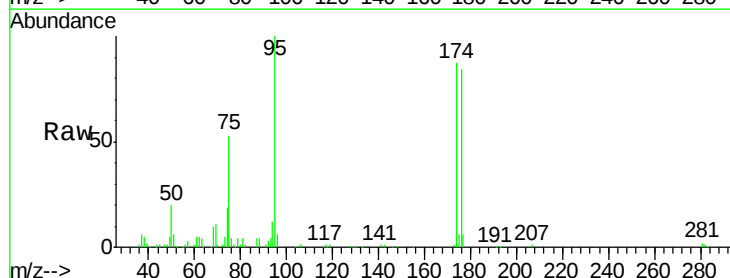
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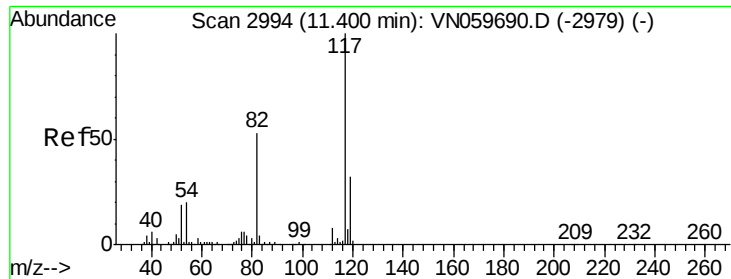
MMDadoda
 2/4/2020 11:20:32 AM



#62
 4-Bromofluorobenzene
 Concen: 47.954 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion: 95 Resp: 112949
 Ion Ratio Lower Upper
 95 100
 174 86.8 0.0 151.4
 176 83.7 0.0 146.0





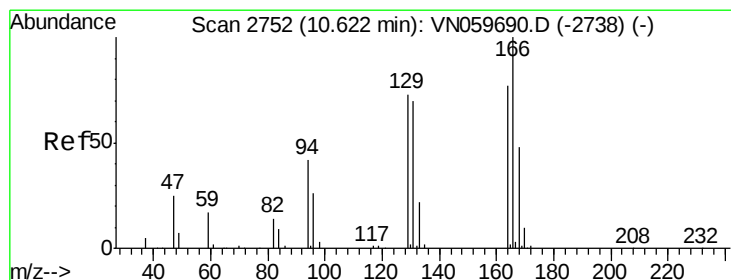
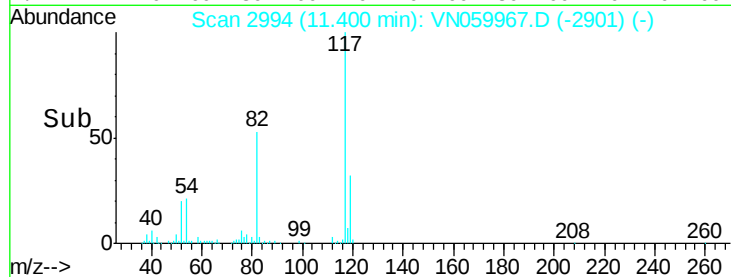
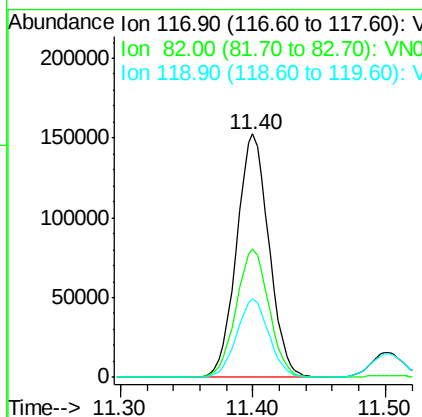
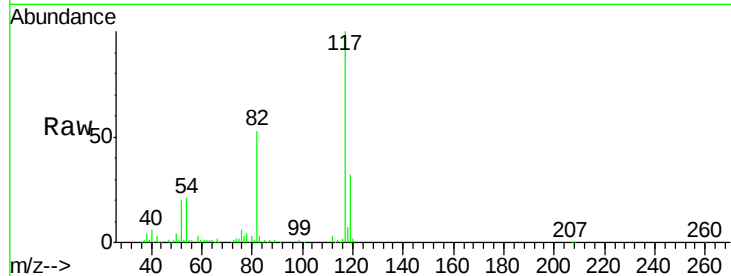
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	258061		
82	52.6		45.9	68.9
119	32.0		25.5	38.3

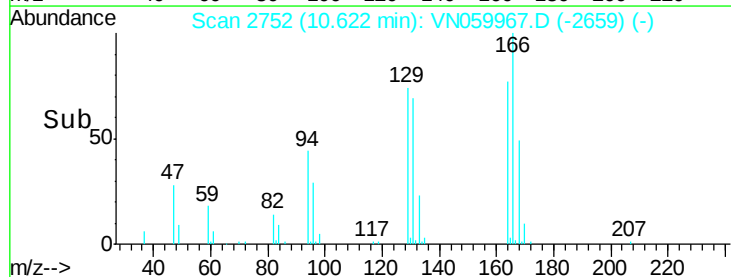
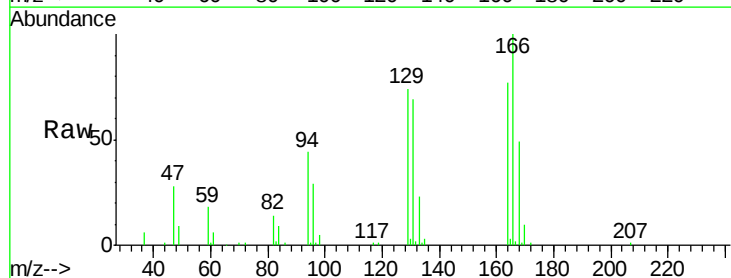
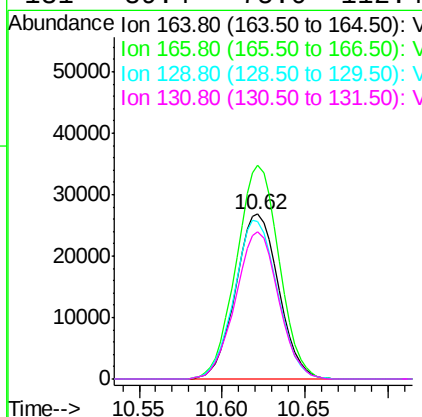
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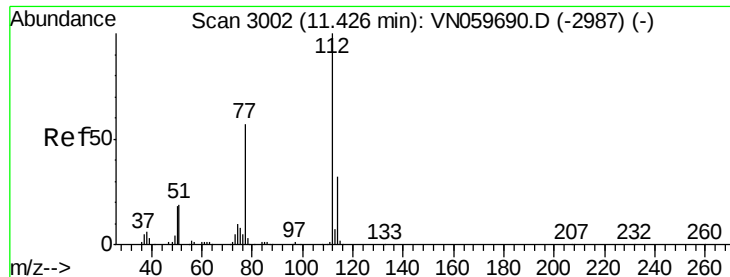
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#64
Tetrachloroethene
Concen: 23.013 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	48402		
166	129.5		101.4	152.0
129	95.6		80.2	120.4
131	89.4		75.0	112.4





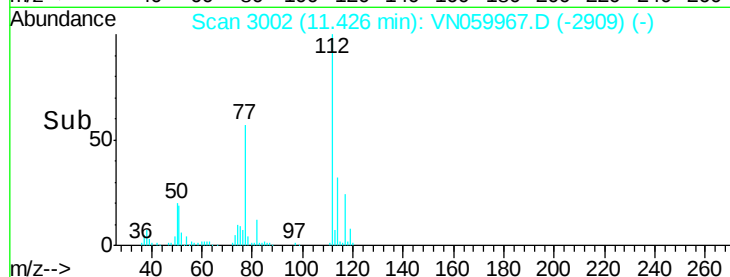
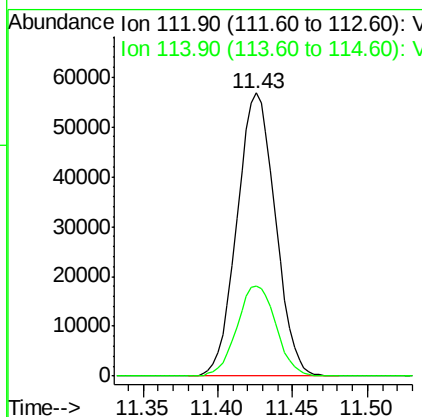
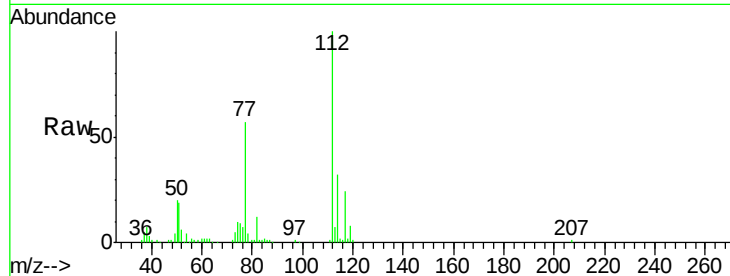
#65
Chlorobenzene
Concen: 19.978 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.8	38.8

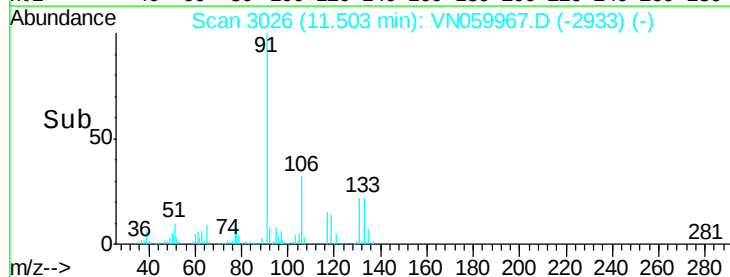
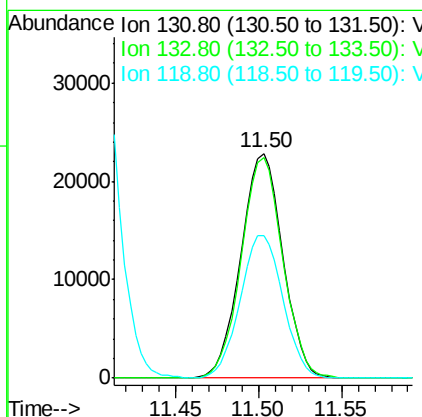
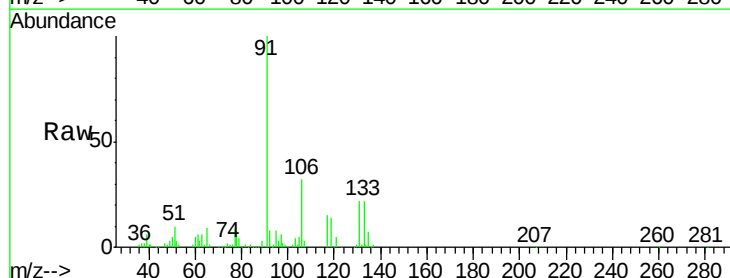
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.505 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.4	142.2
119	64.6	33.1	99.3





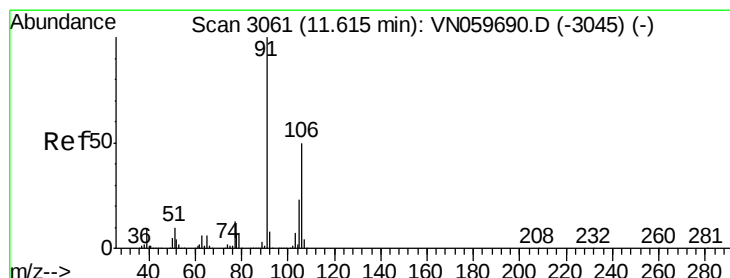
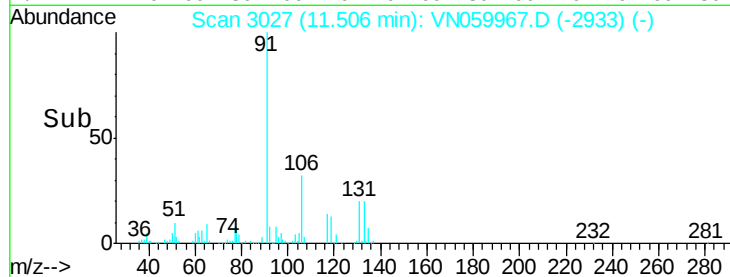
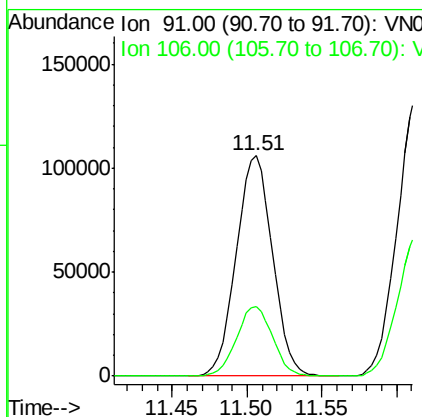
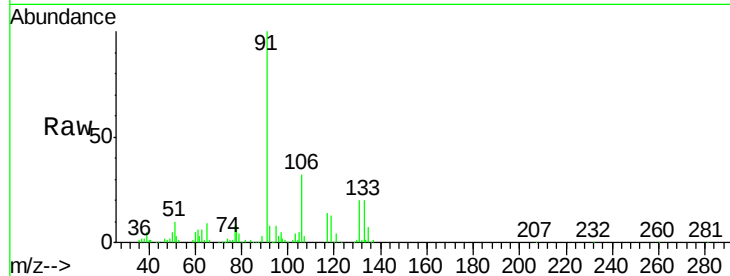
#67
Ethyl Benzene
Concen: 19.465 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion: 91 Resp: 179230
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

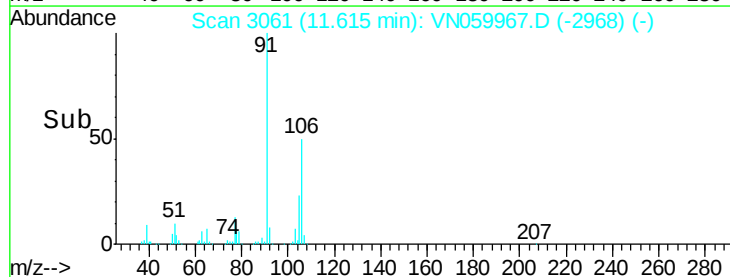
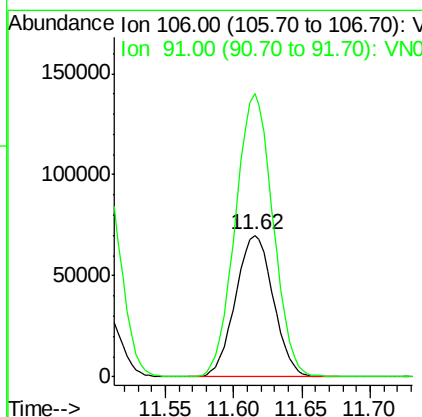
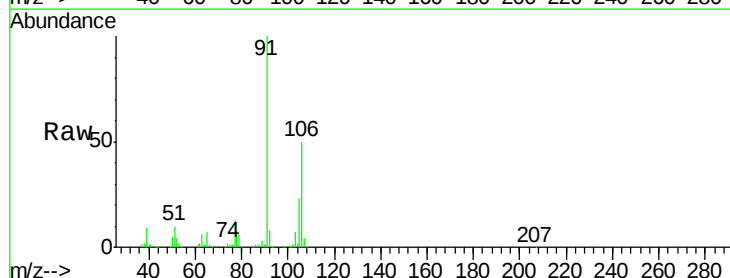
Manual Integrations
APPROVED

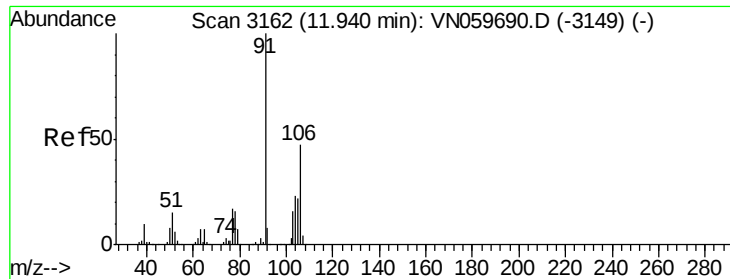
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#68
m/p-Xylenes
Concen: 38.736 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion: 106 Resp: 134729
Ion Ratio Lower Upper
106 100
91 200.0 167.9 251.9





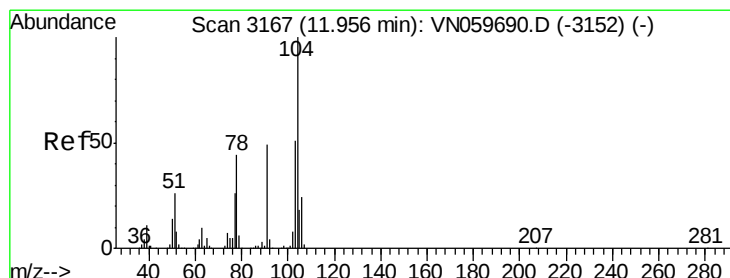
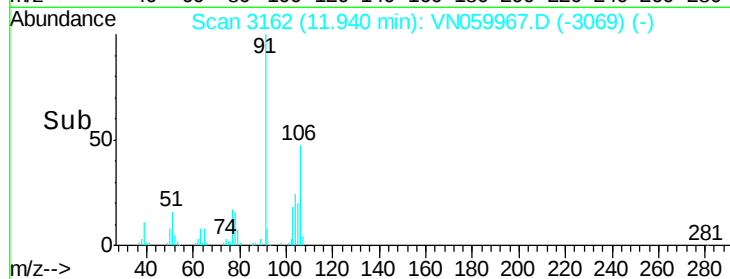
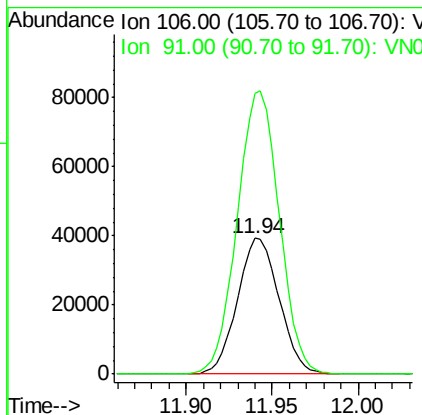
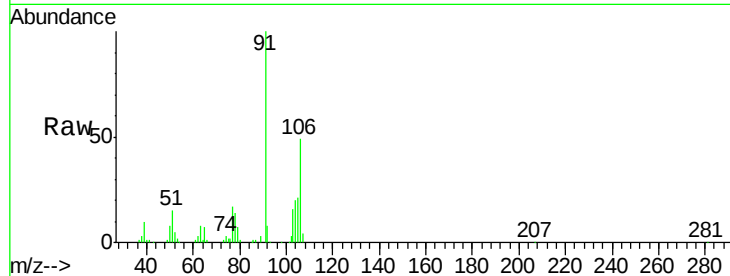
#69
o-Xylene
Concen: 19.447 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion:106 Resp: 66219
Ion Ratio Lower Upper
106 100
91 210.4 110.3 330.9

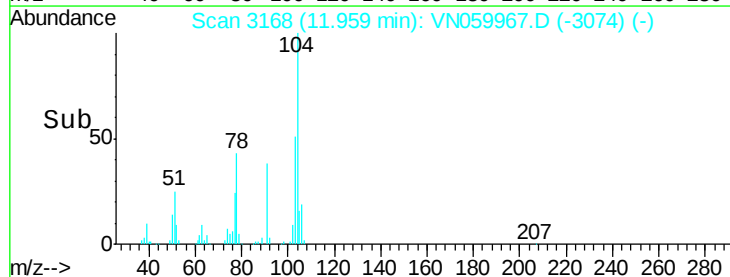
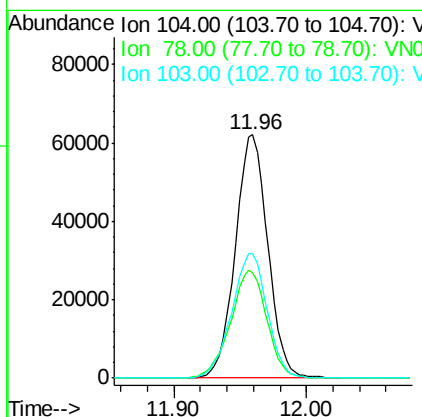
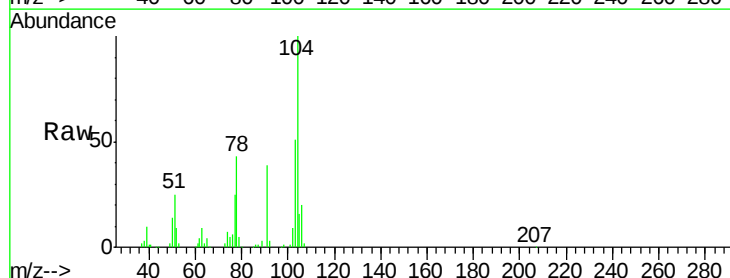
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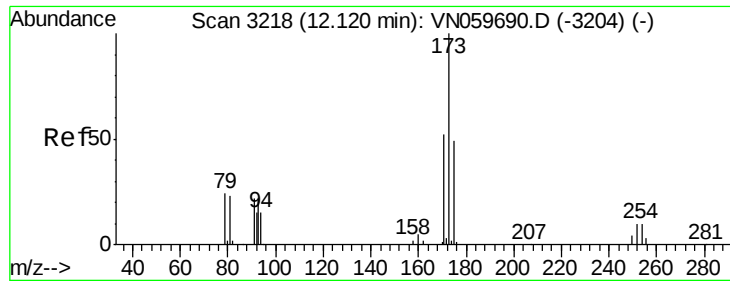
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#70
Styrene
Concen: 18.519 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion:104 Resp: 105521
Ion Ratio Lower Upper
104 100
78 49.4 42.4 63.6
103 56.3 43.9 65.9





#71

Bromoform

Concen: 20.425 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

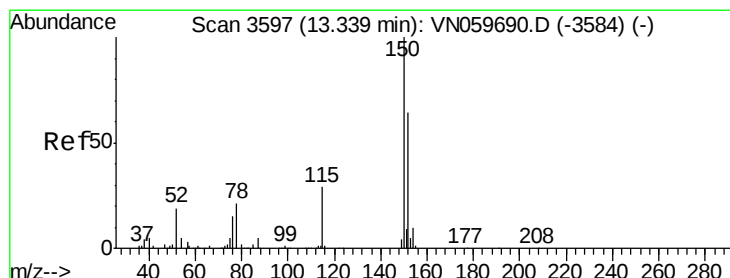
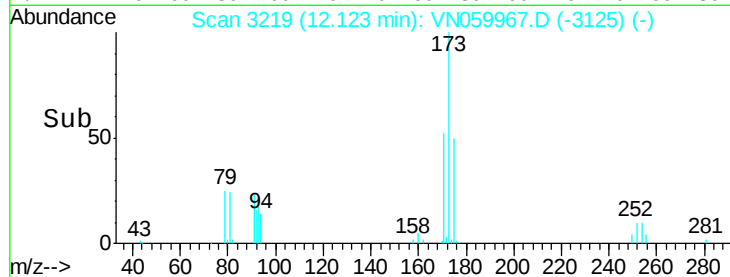
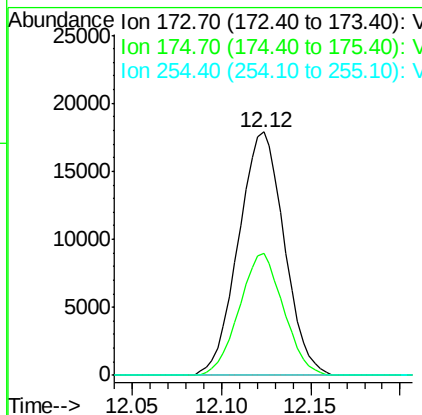
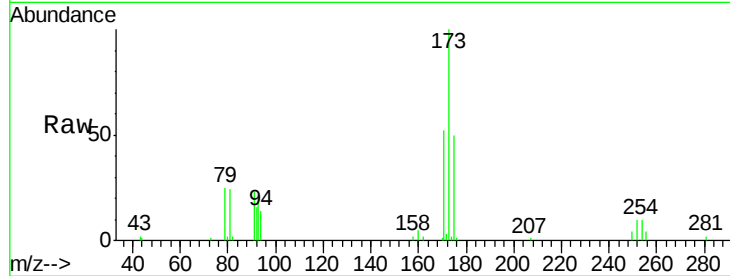
ClientSampleId :

VN0203MBS01

Tot Ion:	173	Resp:	32065
Ion Ratio	Lower	Upper	
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

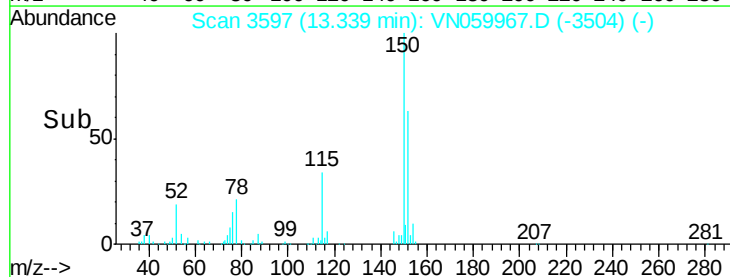
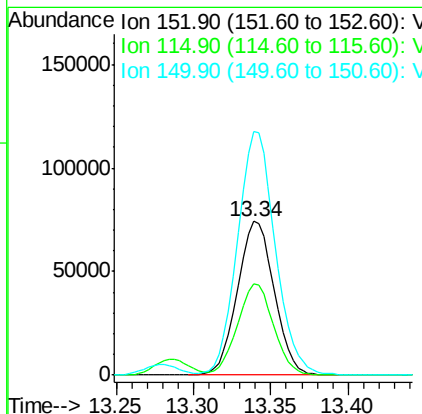
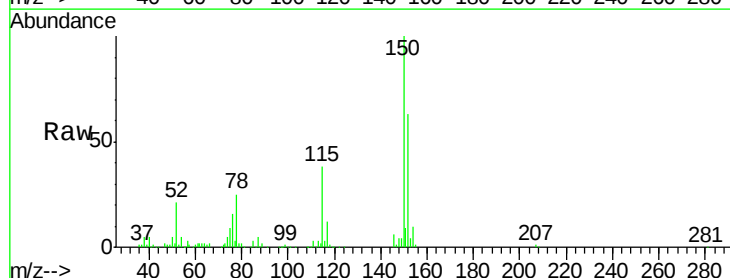
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	152	Resp:	122513
Ion Ratio	Lower	Upper	
152	100		
115	58.4	30.3	90.9
150	163.6	0.0	345.2





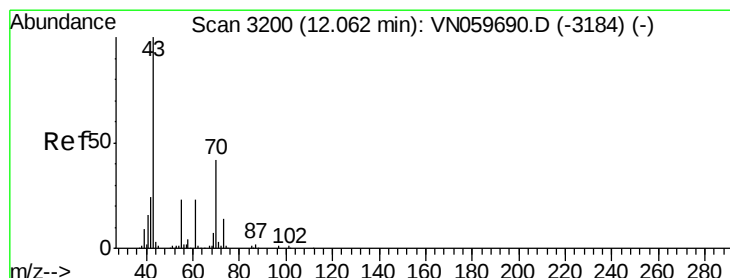
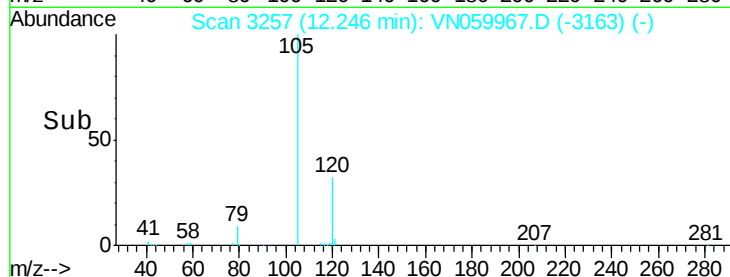
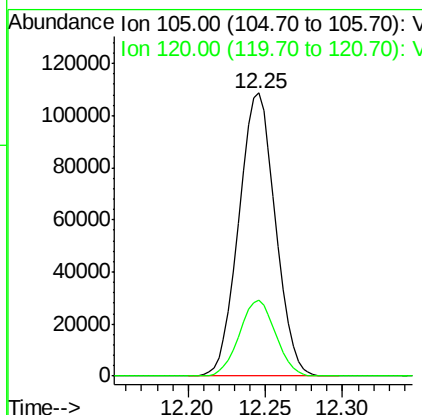
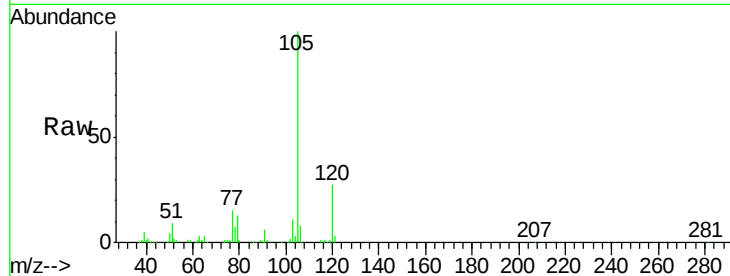
#73
Isopropylbenzene
Concen: 19.863 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5

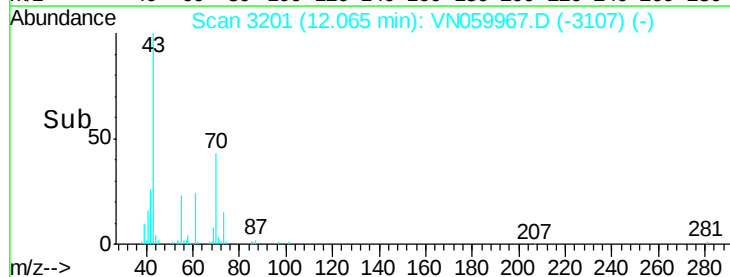
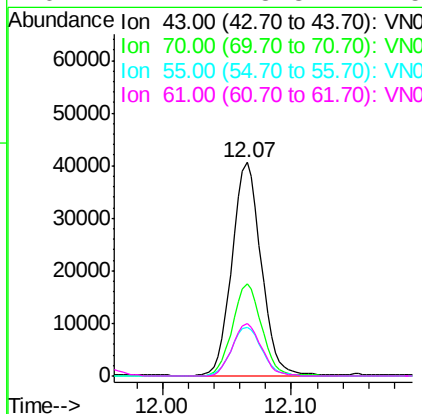
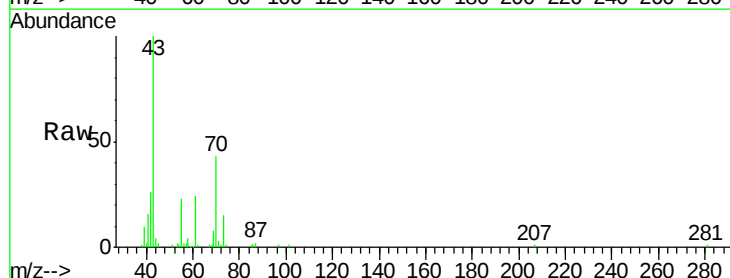
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#74
N-ethyl acetate
Concen: 18.504 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	31.3	46.9
55	23.5	19.8	29.6
61	24.1	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.090 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

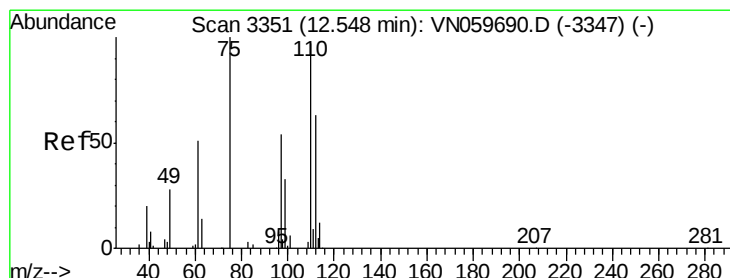
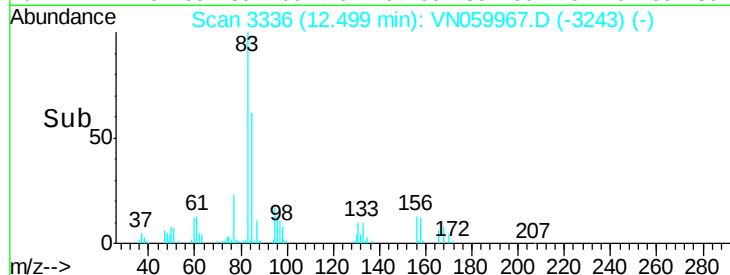
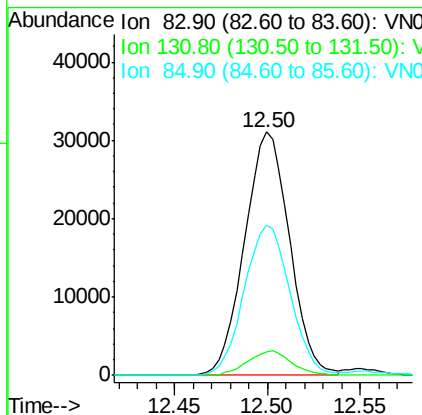
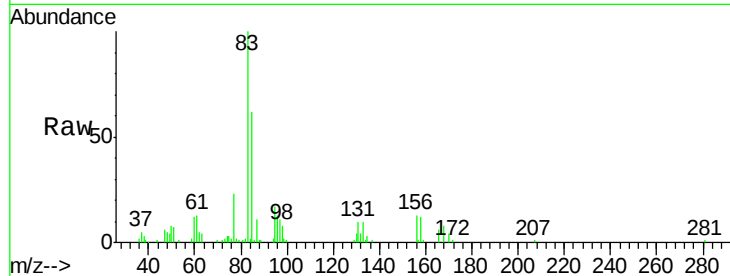
ClientSampleId :

VN0203MBS01

Tot Ion:	83	Resp:	52329
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	62.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 24.291 ug/l m

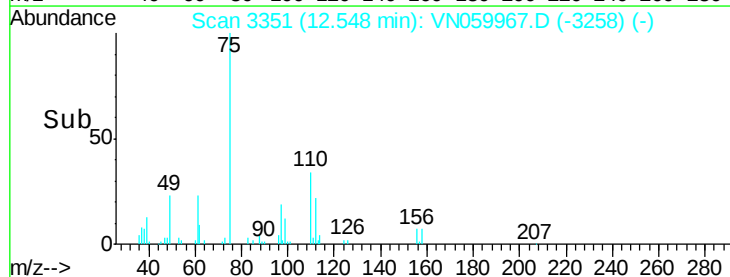
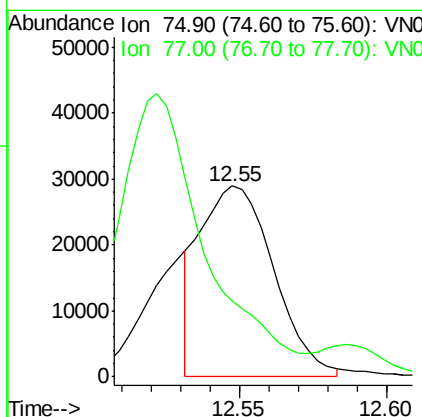
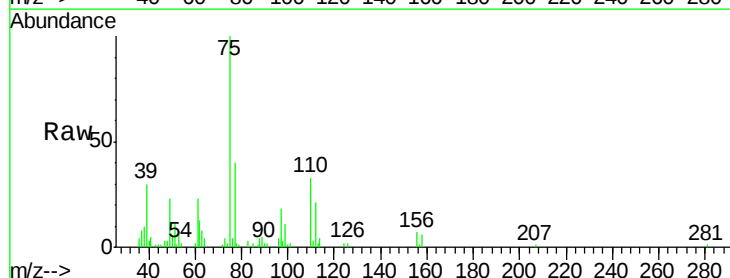
RT: 12.55 min Scan# 3351

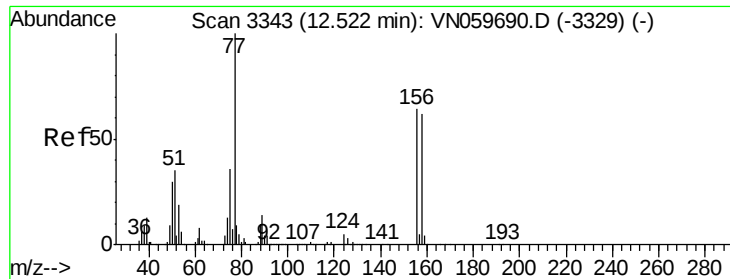
Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	75	Resp:	50082
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.315 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

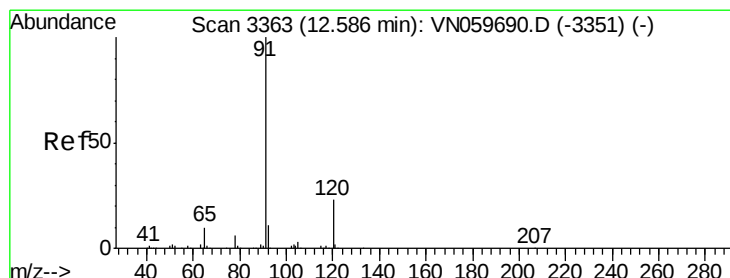
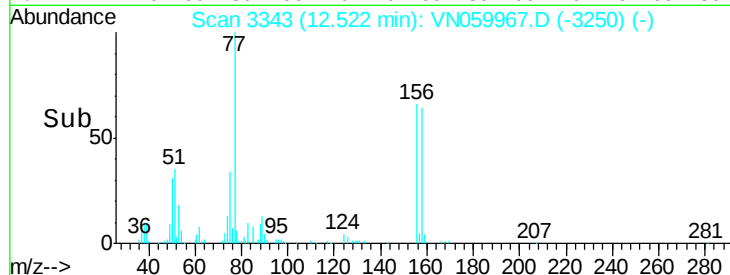
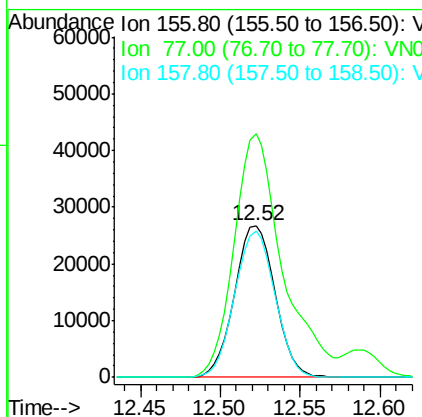
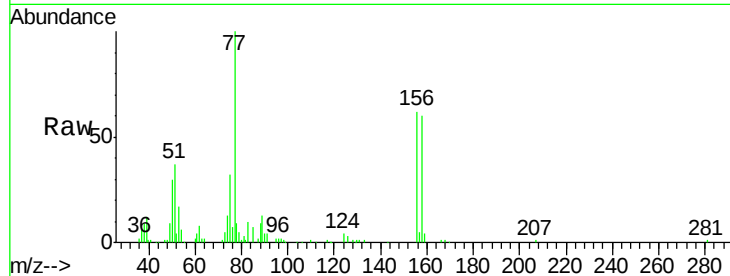
ClientSampleId :

VN0203MBS01

Tot Ion:	156	Resp:	46223
Ion Ratio	Lower	Upper	
156	100		
77	193.1	115.8	347.4
158	95.7	49.2	147.6

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#78

n-propylbenzene

Concen: 19.412 ug/l

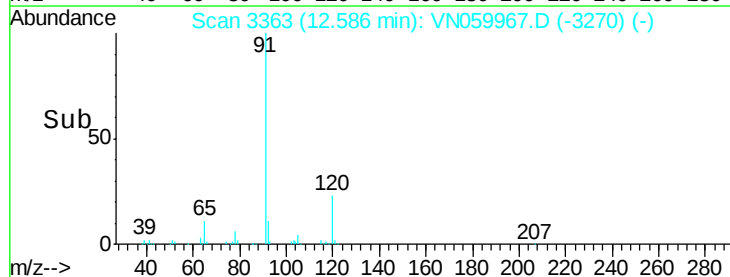
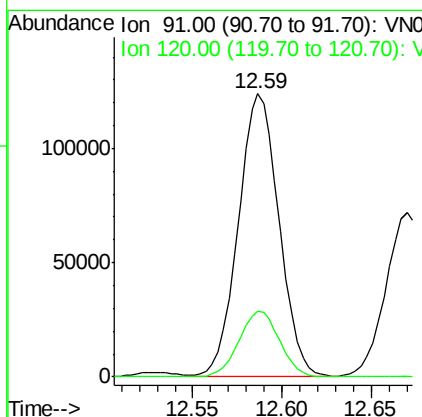
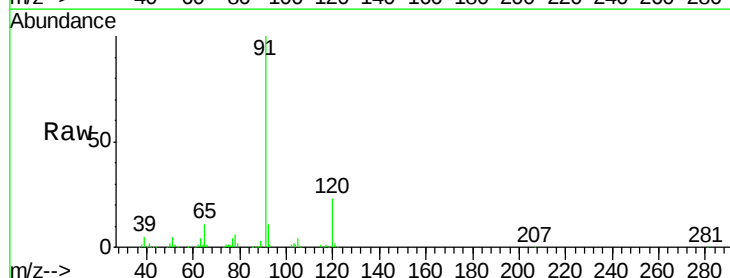
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	91	Resp:	195762
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.681 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion: 91 Resp: 118076

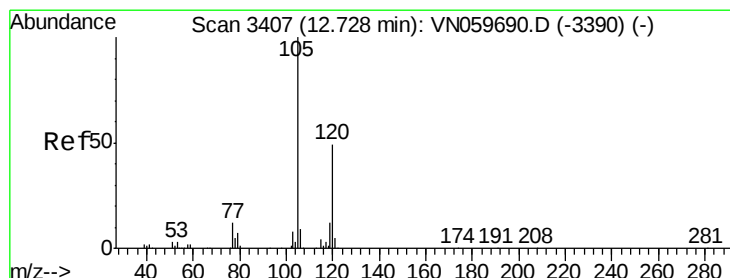
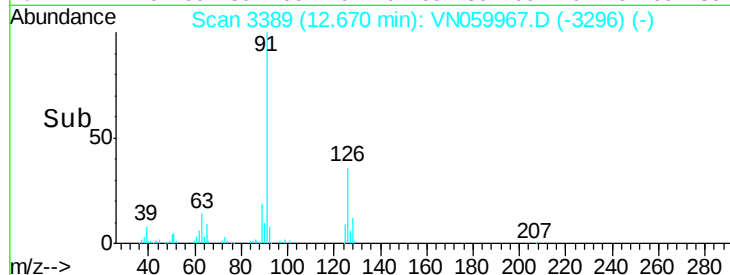
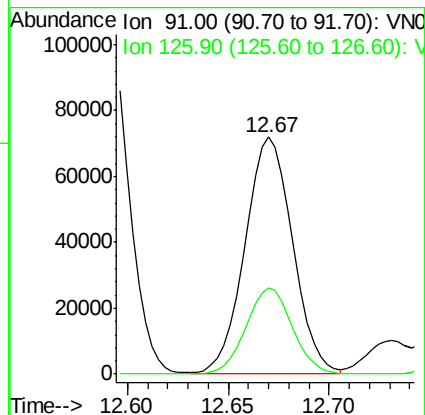
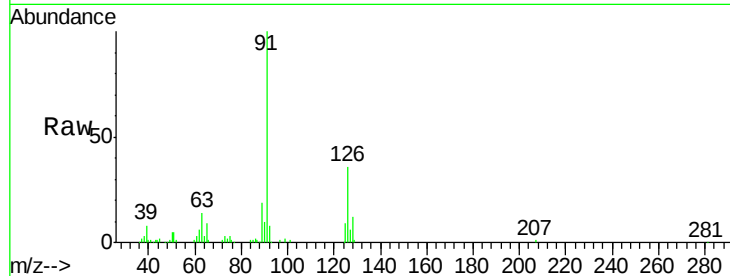
Ion Ratio Lower Upper

91 100

126 35.8 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.625 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059967.D

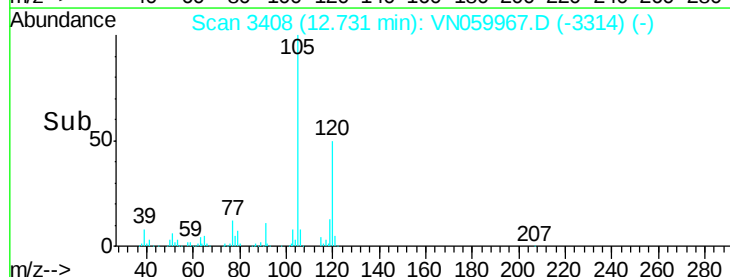
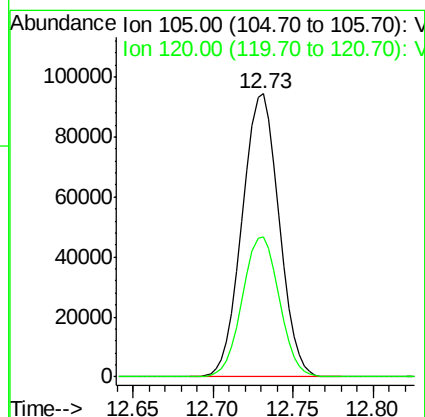
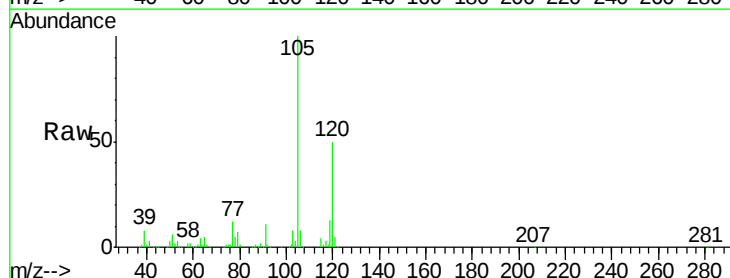
Acq: 3 Feb 2020 12:12

Tgt Ion: 105 Resp: 148293

Ion Ratio Lower Upper

105 100

120 49.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.545 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

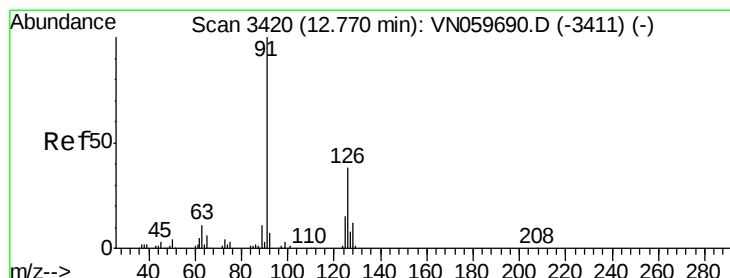
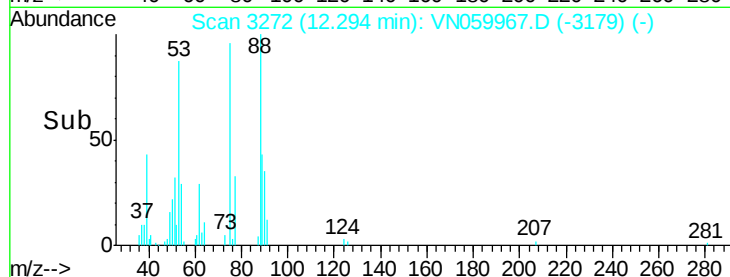
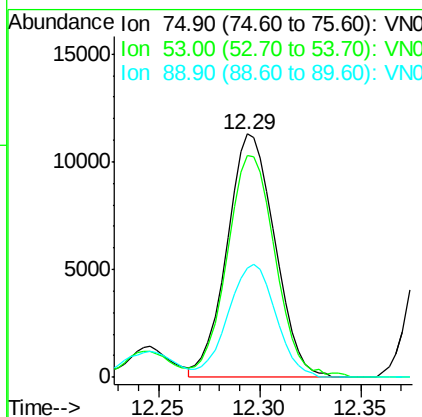
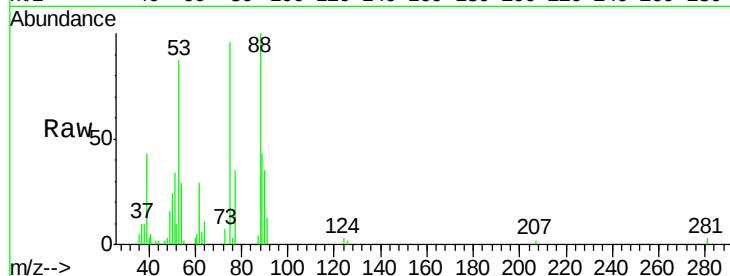
ClientSampleId :

VN0203MBS01

Tot Ion:	75	Resp:	18765
Ion	Ratio	Lower	Upper
75	100		
53	92.0	78.1	117.1
89	46.3	35.4	53.2

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#82

4-Chlorotoluene

Concen: 19.943 ug/l

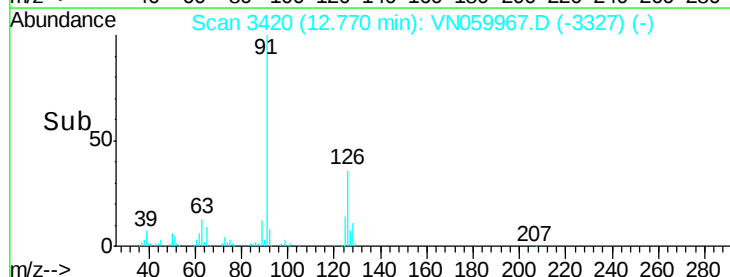
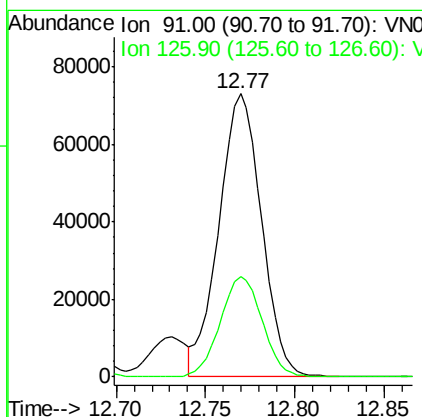
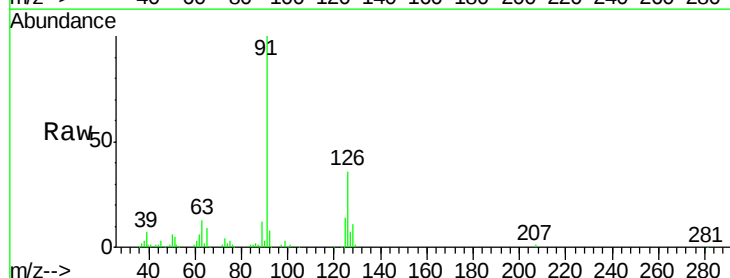
RT: 12.77 min Scan# 3420

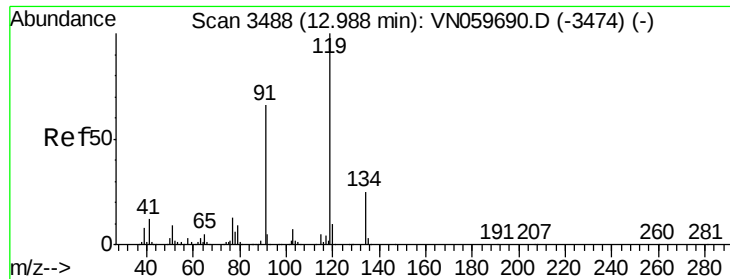
Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	91	Resp:	120009
Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.3	48.8





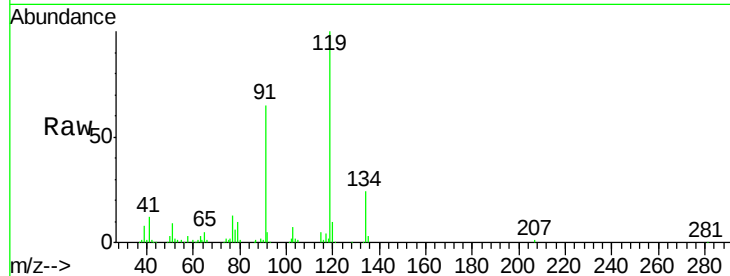
#83
tert-Butylbenzene
Concen: 19.769 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

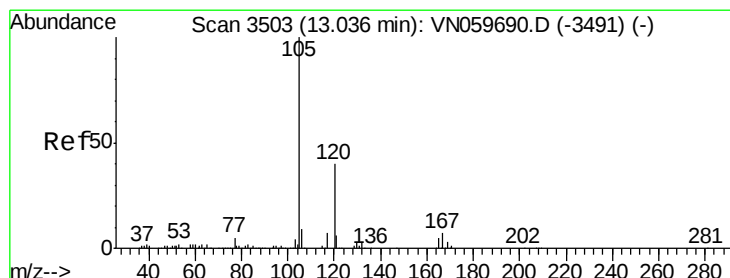
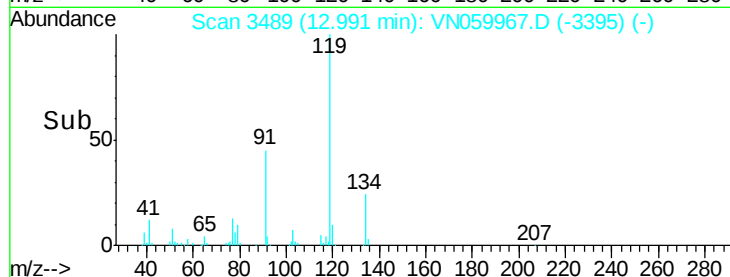
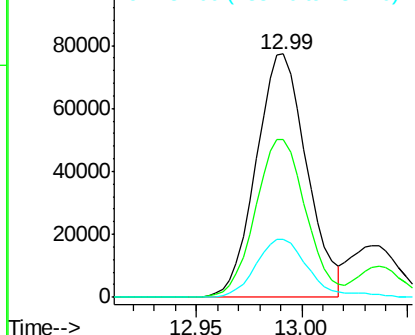
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	34.8	104.4
134	25.0	12.3	36.9

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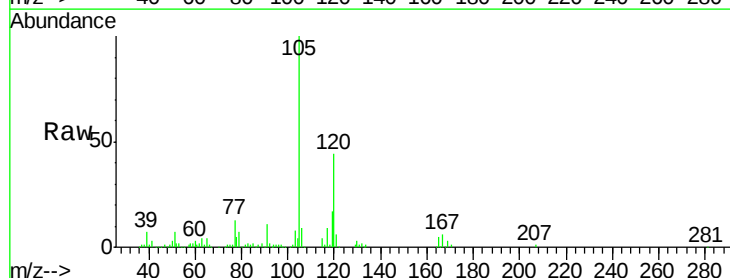


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

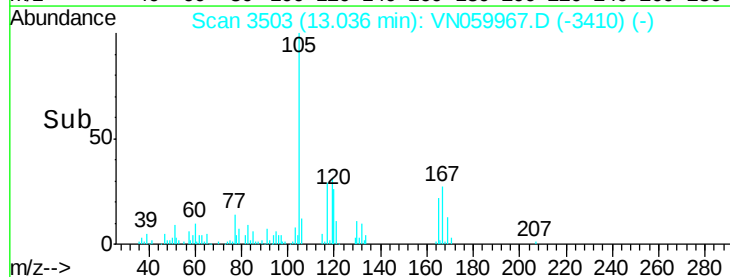
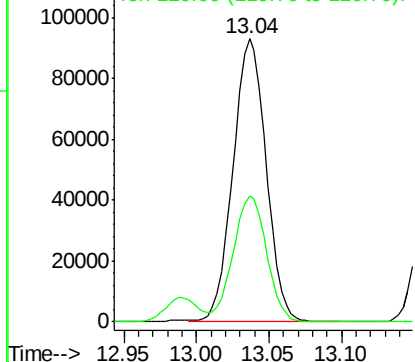


#84
1,2,4-Trimethylbenzene
Concen: 19.757 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.782 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0203MBS01

Tot Ion:105 Resp: 169861

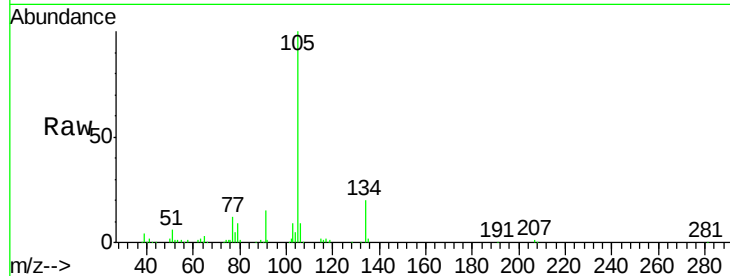
Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

120000

100000

80000

60000

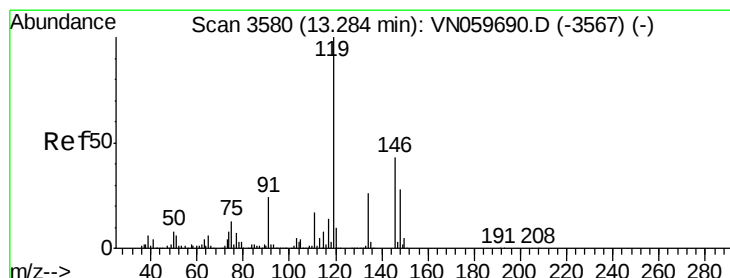
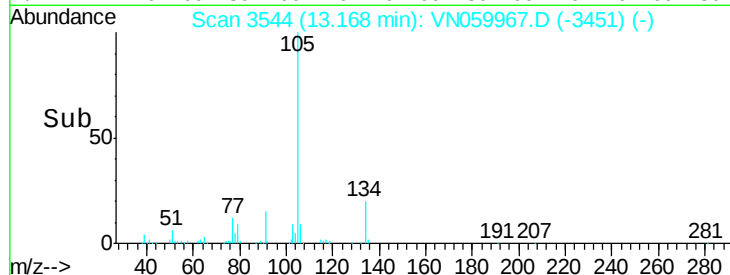
40000

20000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.634 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

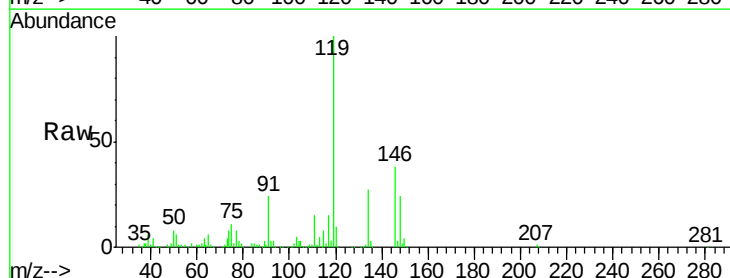
Tgt Ion:119 Resp: 155989

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

91 23.9 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

120000

100000

80000

60000

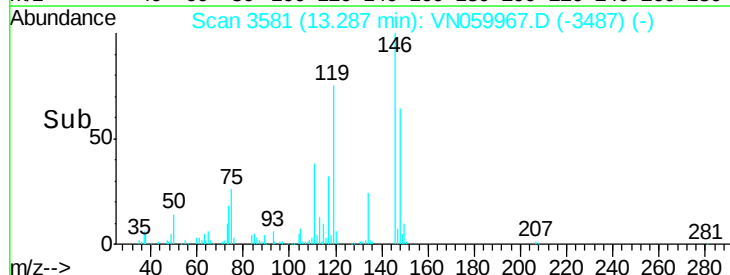
40000

20000

0

13.20 13.30

Time-->





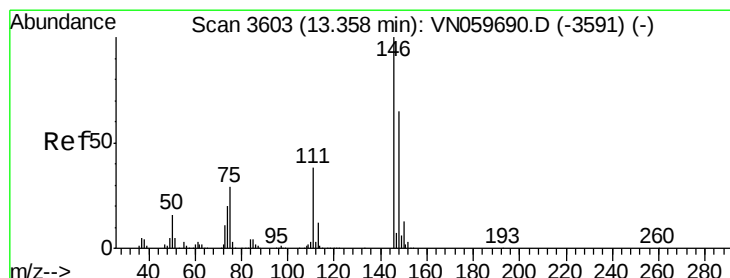
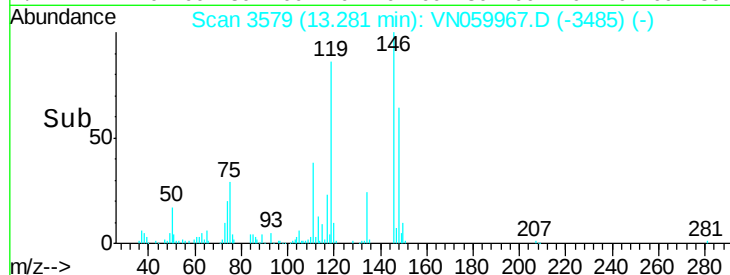
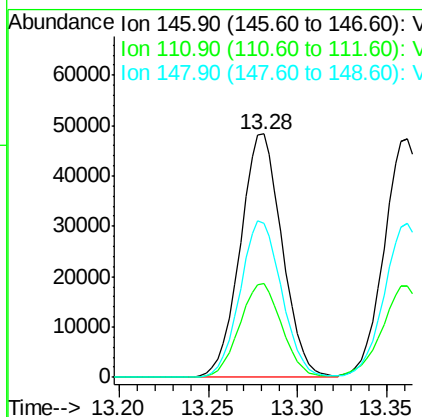
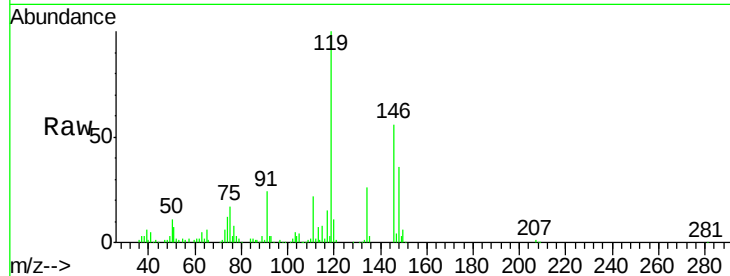
#87
 1,3-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	63.7	32.0	96.0

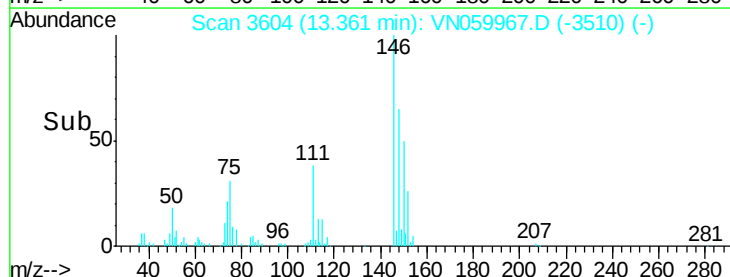
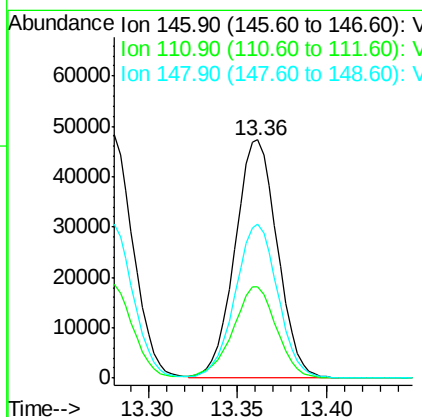
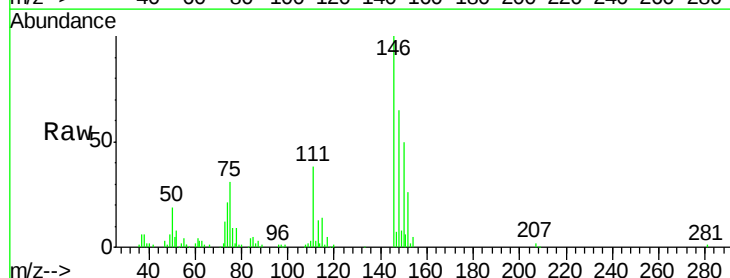
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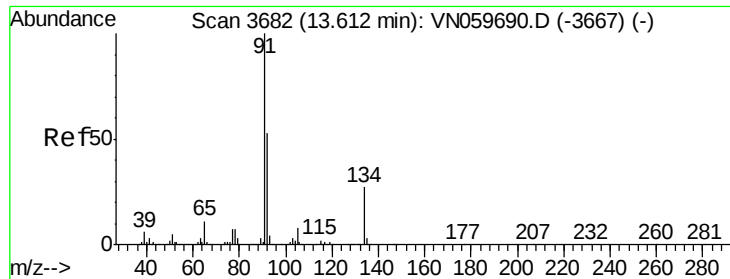
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#88
 1,4-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.8	62.2
148	64.9	31.8	95.4





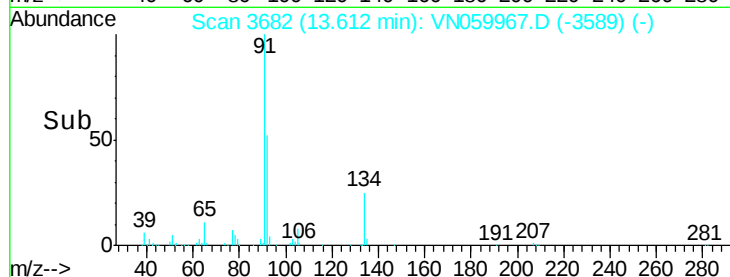
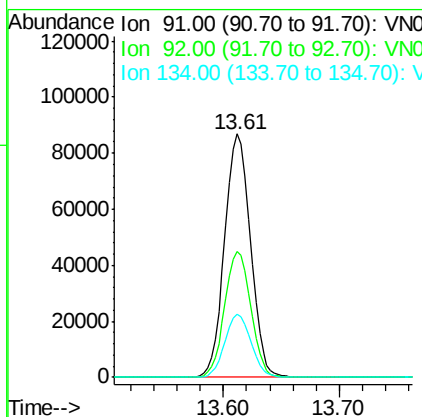
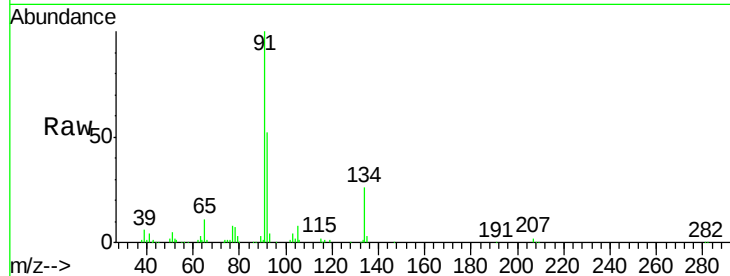
#89
n-Butylbenzene
Concen: 19.813 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0203MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	26.2	12.3	36.8

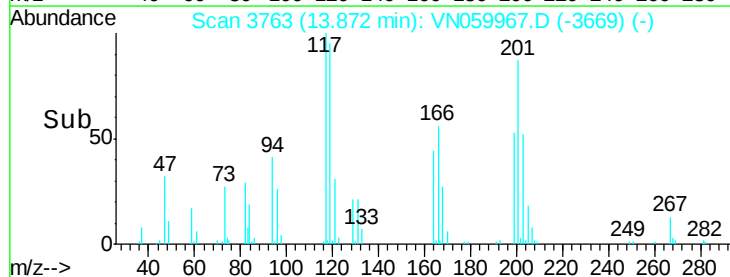
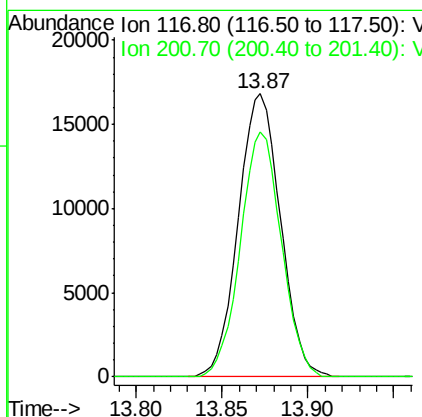
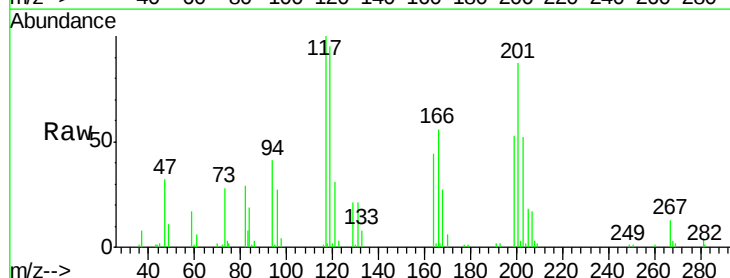
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#90
Hexachloroethane
Concen: 19.312 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059967.D
Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	37.8	113.4





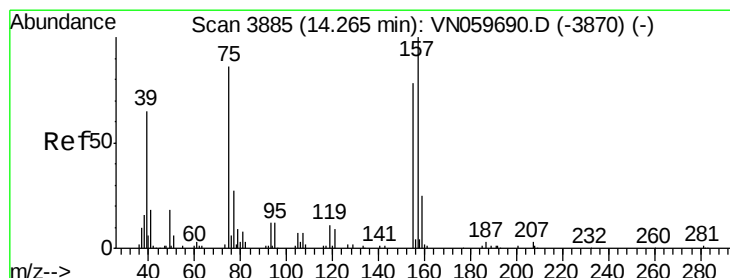
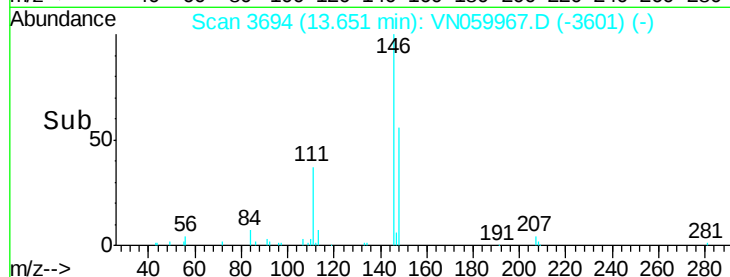
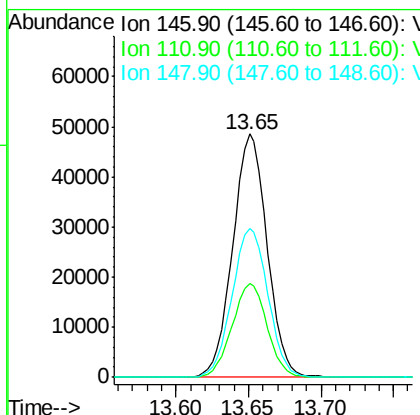
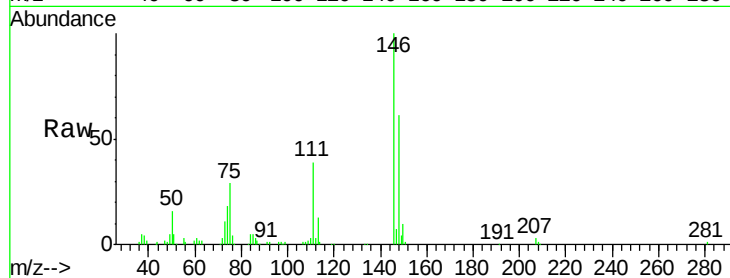
#91
 1,2-Dichlorobenzene
 Concen: 20.448 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.8	31.6	95.0

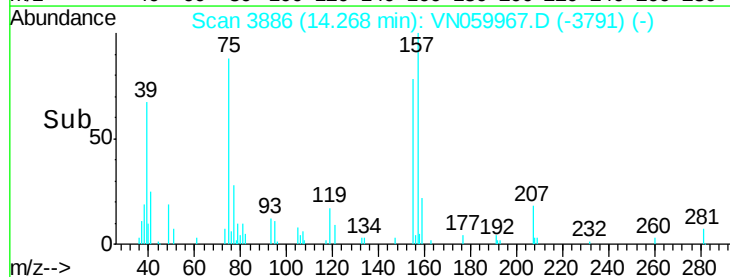
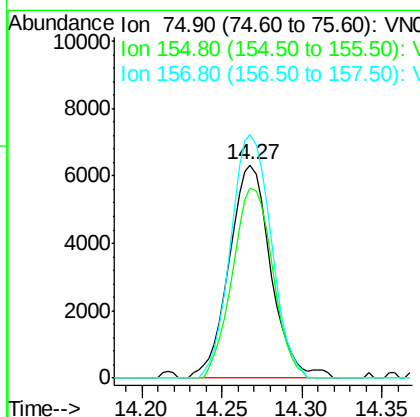
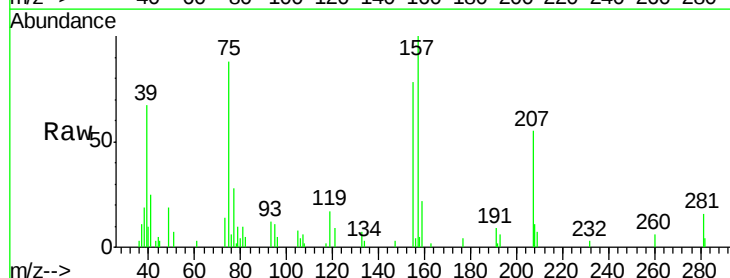
Manual Integrations
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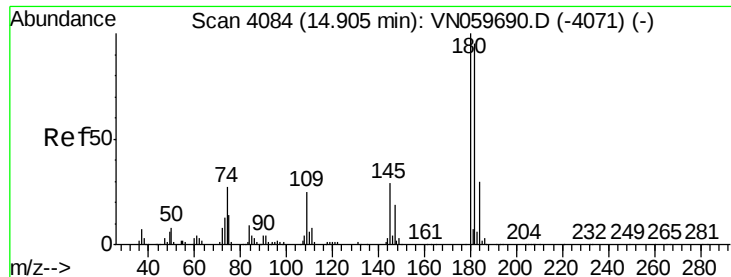
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.820 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	37.0	110.9
157	110.3	48.4	145.2





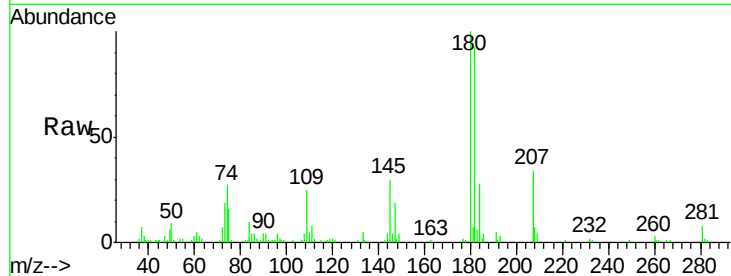
#93
 1,2,4-Trichlorobenzene
 Concen: 20.161 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203MBS01

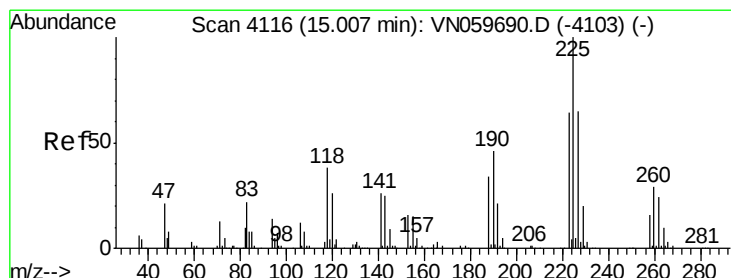
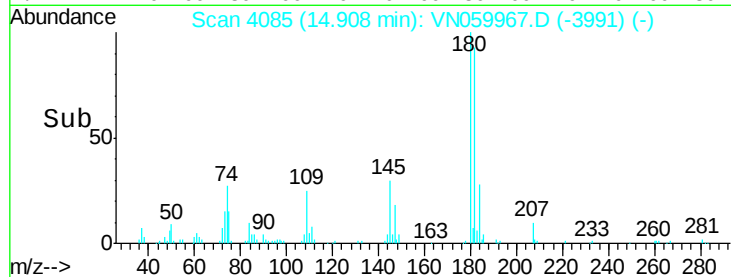
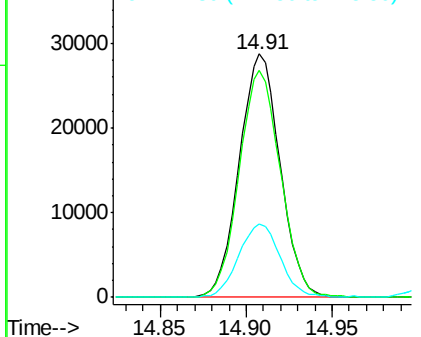
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.7
145	30.6	15.0	45.1

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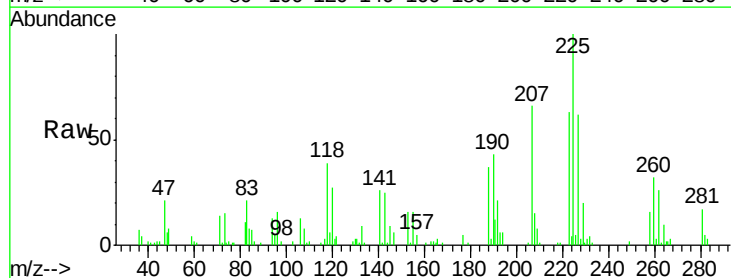


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

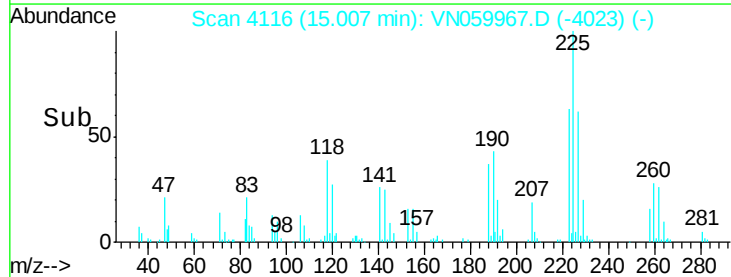
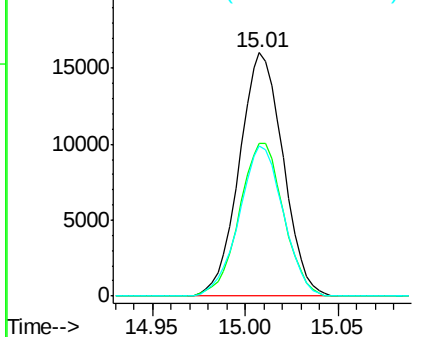


#94
 Hexachlorobutadiene
 Concen: 20.361 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059967.D
 Acq: 3 Feb 2020 12:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.8	95.3
227	62.0	32.1	96.5



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





#95

Naphthalene

Concen: 19.224 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Instrument :

MSVOA_N

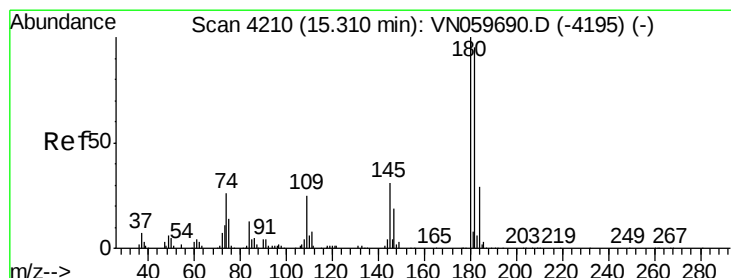
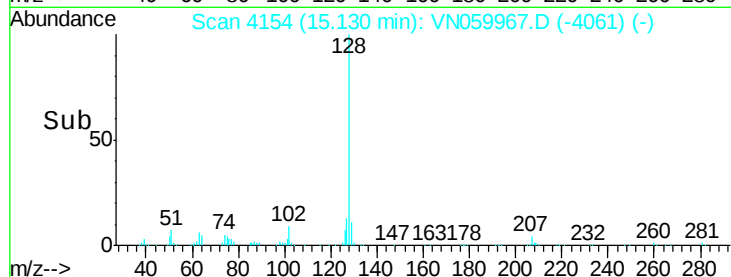
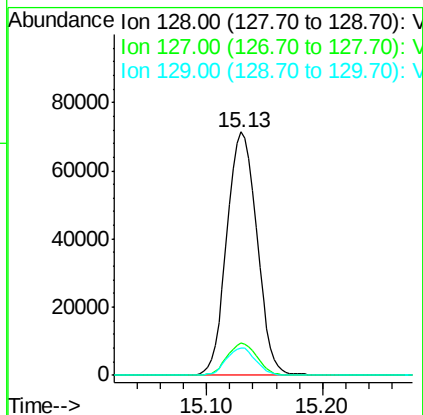
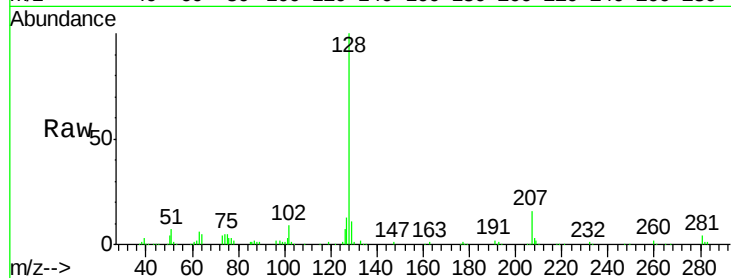
ClientSampleId :

VN0203MBS01

Tot Ion:	128	Resp:	128386
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.980 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059967.D

Acq: 3 Feb 2020 12:12

Tgt Ion:	180	Resp:	47946
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.4	142.3
145	31.4	16.3	48.9

