

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012020\
 Data File : VN059779.D
 Acq On : 20 Jan 2020 11:51
 Operator : JC/MD
 Sample : VN0120WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 11:00:59 AM

Quant Time: Jan 21 01:29:25 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	207603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124771	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
35) Dibromofluoromethane	7.56	113	108085	57.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.68%	
50) Toluene-d8	10.08	98	405212	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	
62) 4-Bromofluorobenzene	12.40	95	143827	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	53694	21.641	ug/l	99
3) Chloromethane	2.04	50	47964	20.180	ug/l	97
4) Vinyl Chloride	2.17	62	59978	22.055	ug/l	98
5) Bromomethane	2.55	94	37147	22.383	ug/l	100
6) Chloroethane	2.69	64	28159	21.887	ug/l	95
7) Trichlorofluoromethane	3.00	101	73143	22.396	ug/l	98
8) Diethyl Ether	3.38	74	25163	21.954	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41992	23.102	ug/l	91
10) Methyl Iodide	3.93	142	62778	21.367	ug/l	95
11) Tert butyl alcohol	4.73	59	39811	102.575	ug/l	98
12) 1,1-Dichloroethene	3.72	96	41081	21.629	ug/l	89
13) Acrolein	3.58	56	15889	57.833	ug/l	100
14) Allyl chloride	4.29	41	54098	21.131	ug/l #	83
15) Acrylonitrile	4.94	53	94371	106.595	ug/l	100
16) Acetone	3.78	43	88166	106.371	ug/l	96
17) Carbon Disulfide	4.03	76	110929	20.502	ug/l	100
18) Methyl Acetate	4.29	43	57167	21.228	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	137000	22.123	ug/l	97
20) Methylene Chloride	4.52	84	47084	21.844	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	43836	21.712	ug/l	87
22) Diisopropyl ether	5.92	45	124652	21.486	ug/l	96
23) Vinyl Acetate	5.86	43	474037	105.532	ug/l	95
24) 1,1-Dichloroethane	5.82	63	76179	21.489	ug/l	97
25) 2-Butanone	6.80	43	126545	96.926	ug/l #	90
26) 2,2-Dichloropropane	6.80	77	72737	21.343	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	51307	22.094	ug/l	86
28) Bromochloromethane	7.17	49	28905	20.401	ug/l #	70
29) Tetrahydrofuran	7.18	42	82027	101.545	ug/l	88
30) Chloroform	7.35	83	80922	22.032	ug/l	98
31) Cyclohexane	7.63	56	70542	20.680	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	75695	22.289	ug/l	95
36) 1,1-Dichloropropene	7.77	75	60077	21.824	ug/l	95
37) Ethyl Acetate	6.89	43	53402	20.683	ug/l	97
38) Carbon Tetrachloride	7.75	117	67388	22.504	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	73585	21.679	ug/l	91
40) Benzene	8.02	78	177626	21.636	ug/l	99
41) Methacrylonitrile	7.15	41	23788m	18.705	ug/l	
42) 1,2-Dichloroethane	8.10	62	61852	22.220	ug/l	97
43) Isopropyl Acetate	8.14	43	91424	20.586	ug/l #	94
44) Trichloroethene	8.82	130	51916	23.164	ug/l	92
45) 1,2-Dichloropropane	9.10	63	44894	22.098	ug/l	98
46) Dibromomethane	9.19	93	31969	22.308	ug/l	90
47) Bromodichloromethane	9.39	83	65499	22.681	ug/l	99
48) Methyl methacrylate	9.18	41	39678	19.974	ug/l	87
49) 1,4-Dioxane	9.18	88	15275	420.051	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	263342	102.579	ug/l	94
52) Toluene	10.14	92	116373	22.441	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	71169	22.071	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	76844	22.649	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	46360	22.572	ug/l	96
56) Ethyl methacrylate	10.42	69	66228	21.103	ug/l	90
57) 1,3-Dichloropropane	10.70	76	73016	22.392	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	103391	109.377	ug/l	90
59) 2-Hexanone	10.74	43	188778	99.816	ug/l	93
60) Dibromochloromethane	10.89	129	53773	22.991	ug/l	98
61) 1,2-Dibromoethane	10.99	107	47914	22.258	ug/l	100
64) Tetrachloroethene	10.62	164	52384	22.690	ug/l	94
65) Chlorobenzene	11.43	112	125843	22.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	49635	23.071	ug/l	98
67) Ethyl Benzene	11.50	91	223655	22.128	ug/l	96
68) m/p-Xylenes	11.62	106	172043	45.062	ug/l	93
69) o-Xylene	11.94	106	83356	22.301	ug/l	94
70) Styrene	11.96	104	135034	21.590	ug/l	96
71) Bromoform	12.12	173	39214	22.755	ug/l #	98
73) Isopropylbenzene	12.25	105	222660	22.631	ug/l	99
74) N-amyl acetate	12.07	43	76932	20.152	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	61527	21.572	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	53011m	23.481	ug/l	
77) Bromobenzene	12.52	156	56548	22.696	ug/l	80
78) n-propylbenzene	12.59	91	248389	22.493	ug/l	96
79) 2-Chlorotoluene	12.67	91	147242	22.413	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	187773	22.694	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22007	20.934	ug/l	93
82) 4-Chlorotoluene	12.77	91	149570	22.699	ug/l	95
83) tert-Butylbenzene	12.99	119	161007	22.499	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	186813	22.822	ug/l	98
85) sec-Butylbenzene	13.17	105	214596	22.824	ug/l	100
86) p-Isopropyltoluene	13.28	119	196329	22.567	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	98644	22.793	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	98426	22.797	ug/l	97
89) n-Butylbenzene	13.61	91	165499	22.311	ug/l	98
90) Hexachloroethane	13.87	117	35593	21.867	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	96668	22.593	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	13539	20.900	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58035	22.574	ug/l	99
94) Hexachlorobutadiene	15.01	225	32974	23.275	ug/l	98
95) Naphthalene	15.13	128	148204	20.267	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	55203	22.060	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: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0120WBS01

Tot Ion:168 Resp: 207603

Ion Ratio Lower Upper

168 100

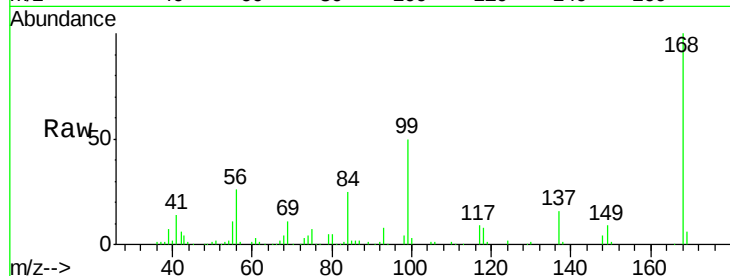
99 50.4 48.2 72.4

Manual Integrations

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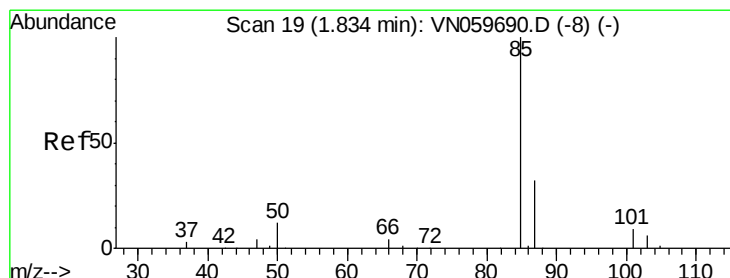
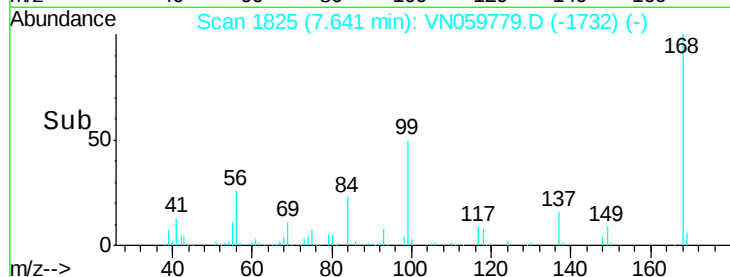
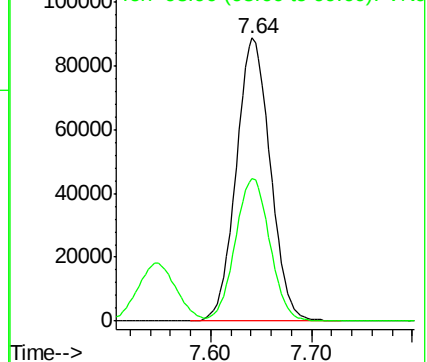
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.641 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059779.D

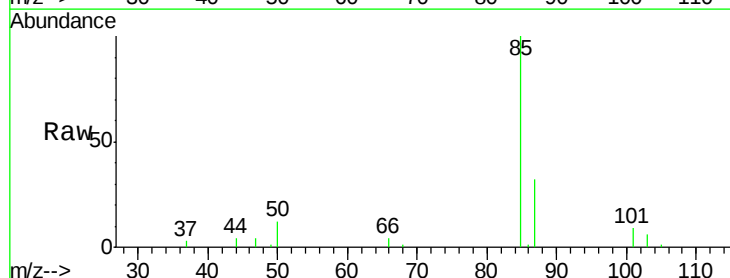
Acq: 20 Jan 2020 11:51

Tgt Ion: 85 Resp: 53694

Ion Ratio Lower Upper

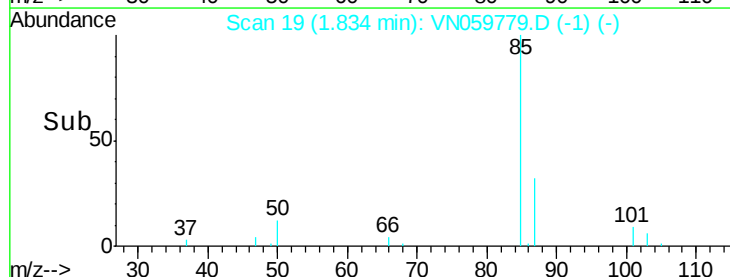
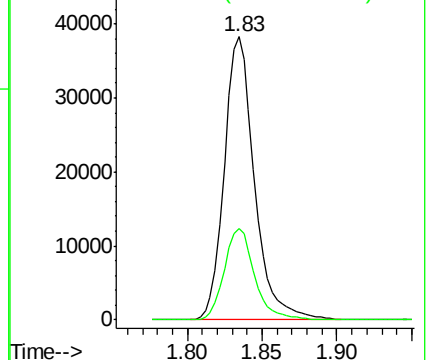
85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.180 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0120WBS01

Tot Ion: 50 Resp: 47964

Ion Ratio Lower Upper

50 100

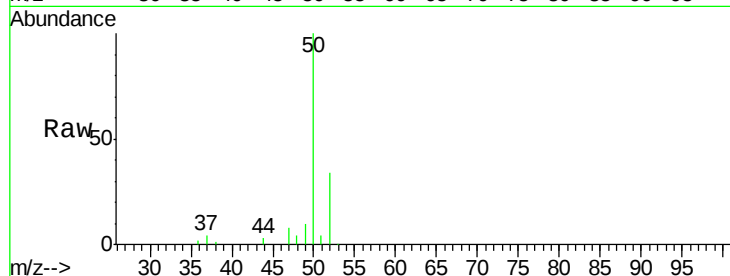
52 34.2 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

40000

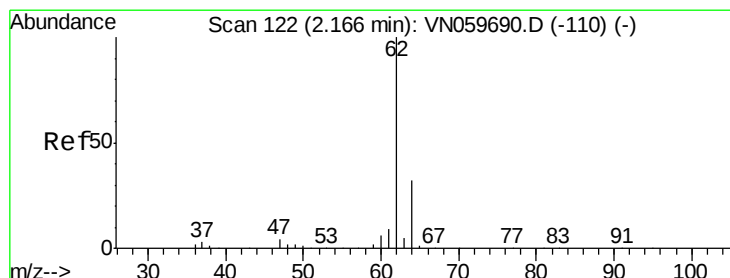
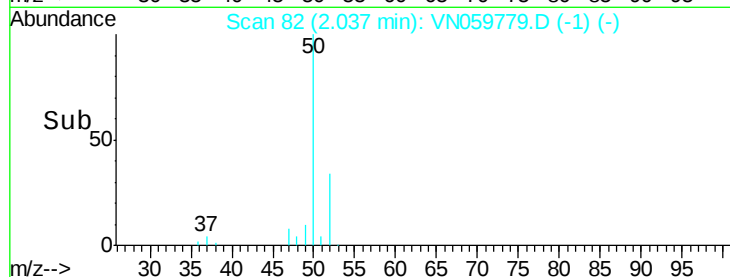
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 22.055 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059779.D

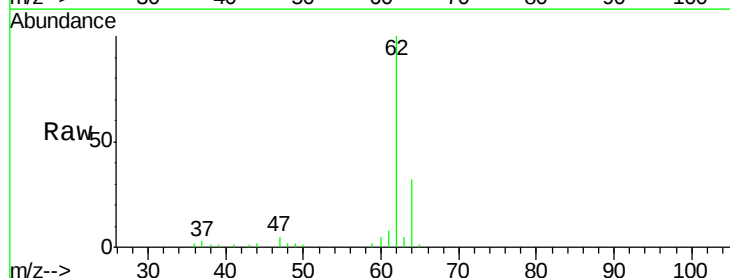
Acq: 20 Jan 2020 11:51

Tgt Ion: 62 Resp: 59978

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

40000

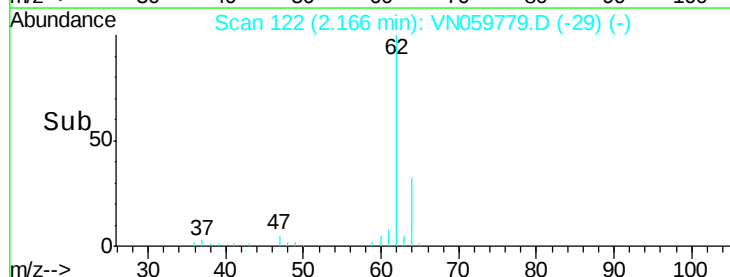
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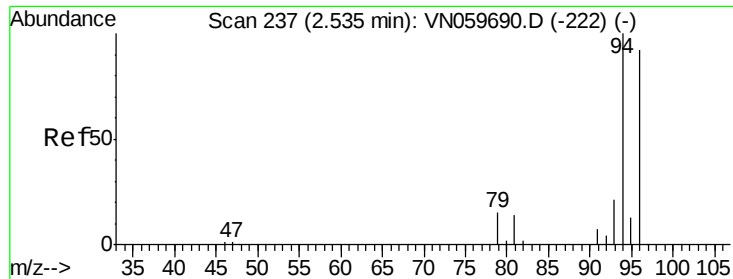
20000

10000

0

Time-->





#5

Bromomethane

Concen: 22.383 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 94 Resp: 37147

Ion Ratio Lower Upper

94 100

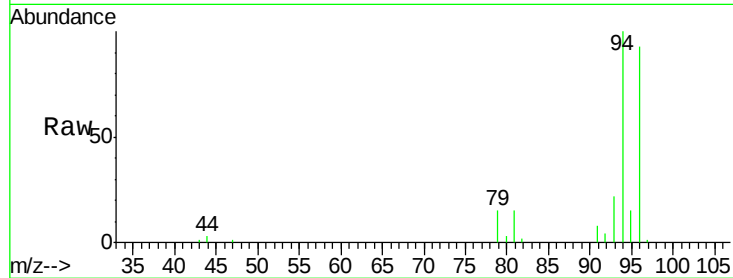
96 93.2 74.7 112.1

Manual Integrations

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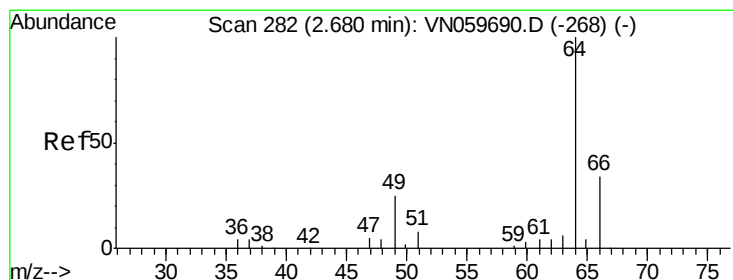
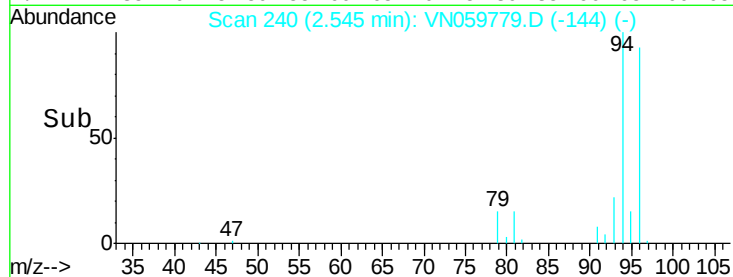
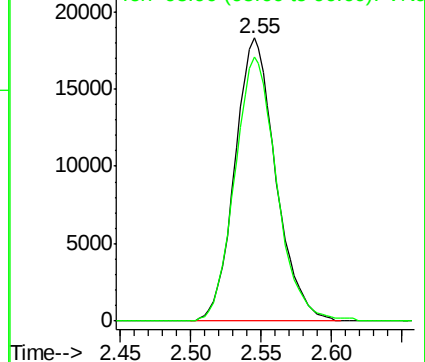
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 21.887 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059779.D

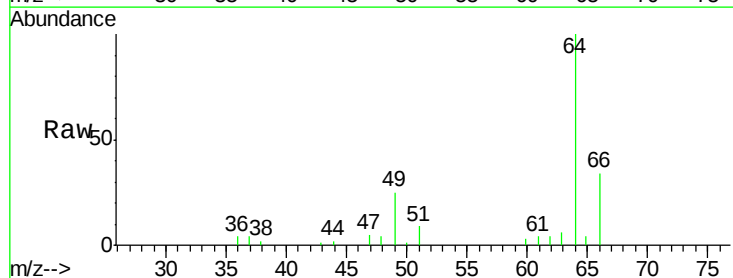
Acq: 20 Jan 2020 11:51

Tgt Ion: 64 Resp: 28159

Ion Ratio Lower Upper

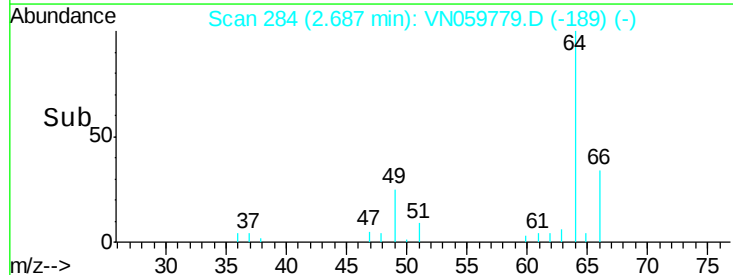
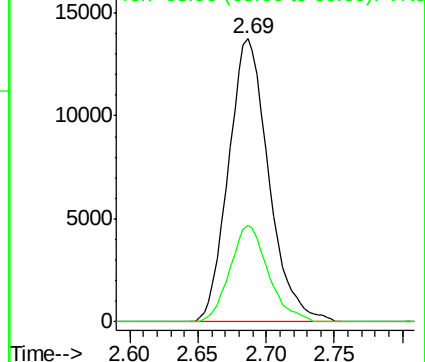
64 100

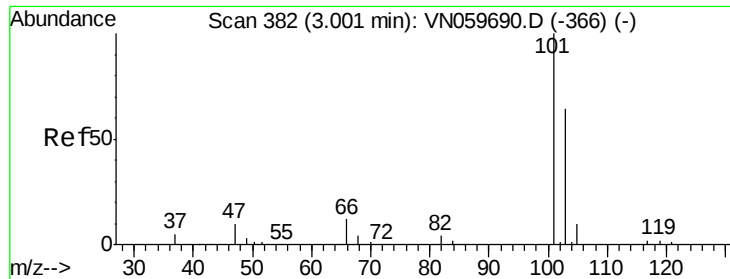
66 34.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

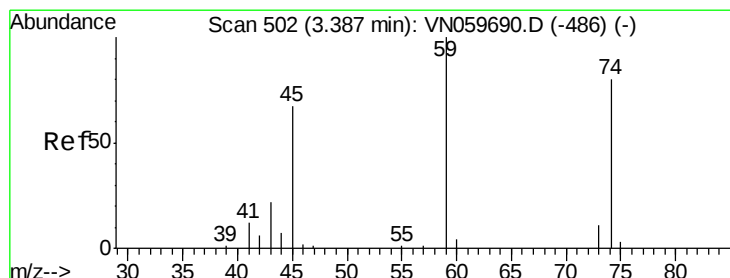
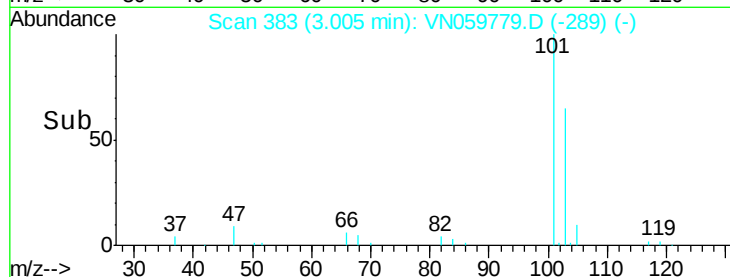
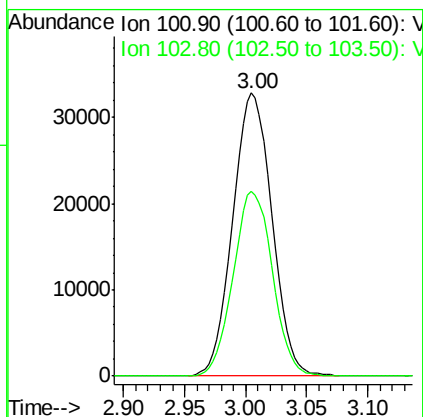
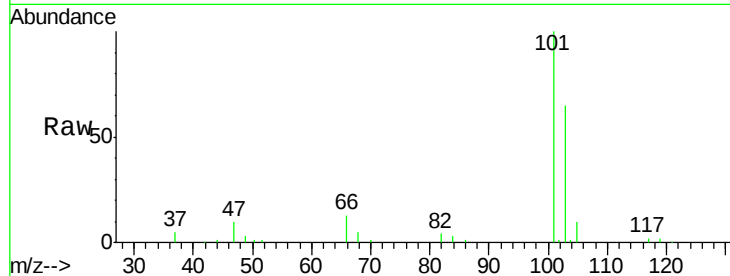
Trichlorofluoromethane
Concen: 22.396 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

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VN0120WBS01

Tot Ion:101 Resp: 73143
Ion Ratio Lower Upper
101 100
103 65.1 51.0 76.6

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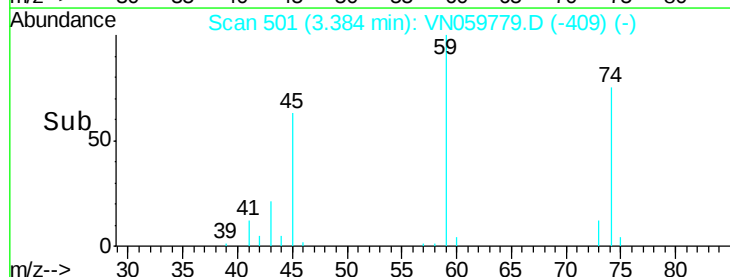
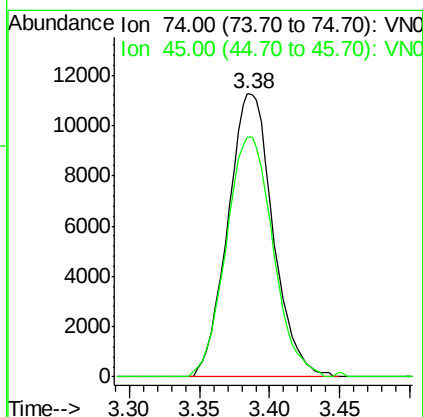
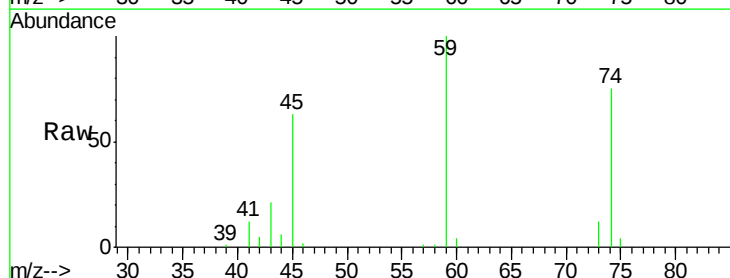
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#8

Diethyl Ether
Concen: 21.954 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 74 Resp: 25163
Ion Ratio Lower Upper
74 100
45 87.9 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.102 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

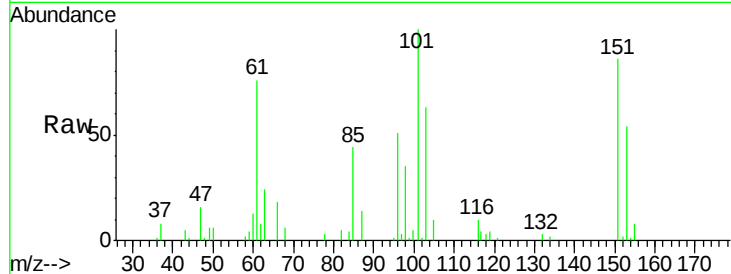
ClientSampled :

VN0120WBS01

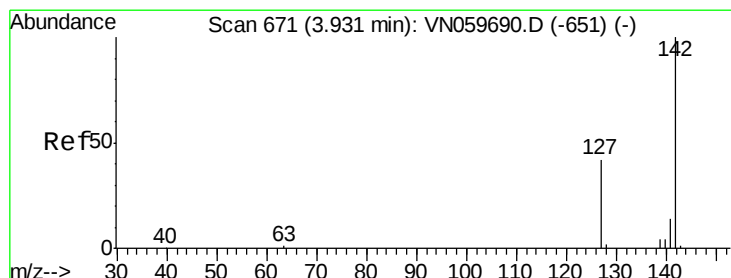
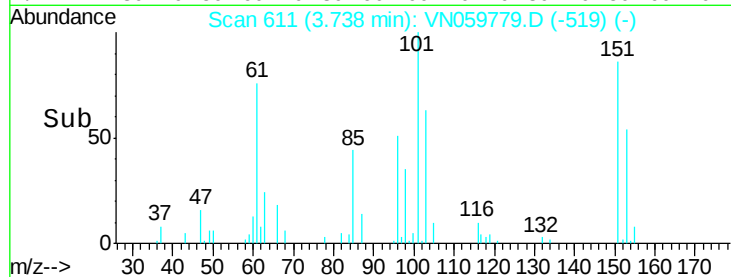
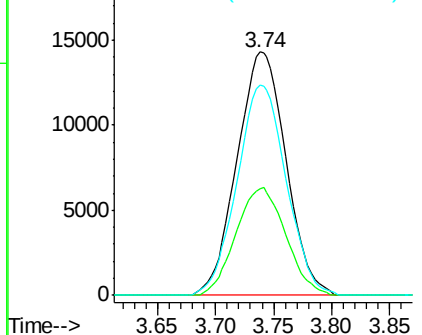
Tot Ion:	101	Resp:	41992
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	86.9	59.7	89.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.367 ug/l

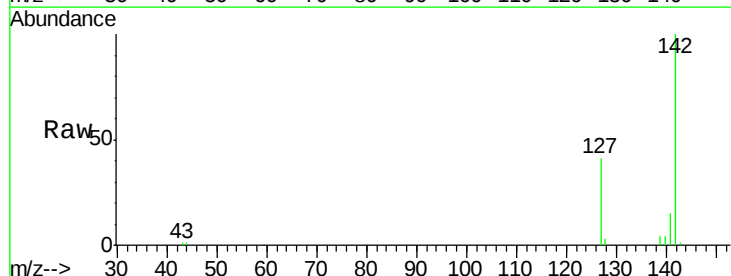
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

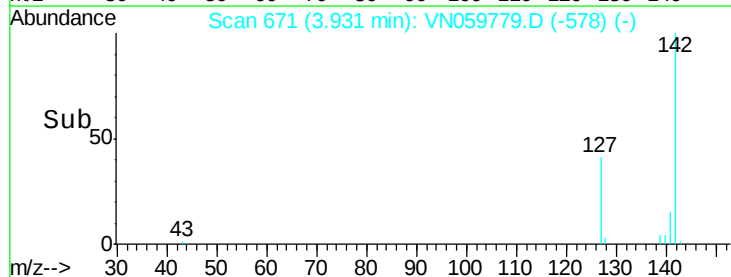
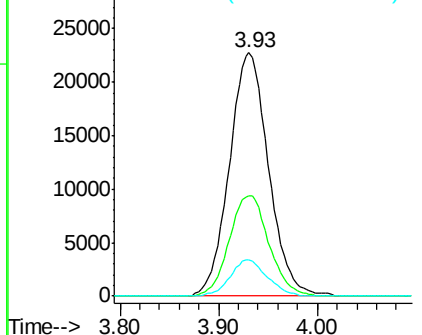
Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion:	142	Resp:	62778
Ion Ratio	Lower	Upper	
142	100		
127	41.9	36.7	55.1
141	14.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





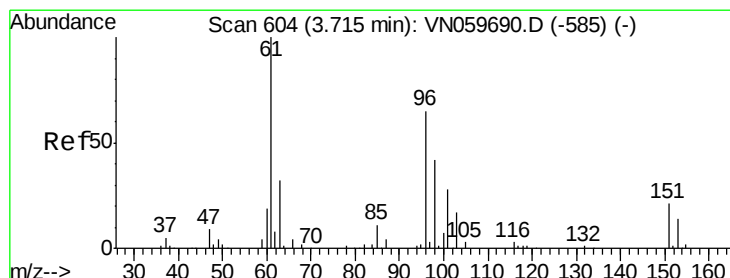
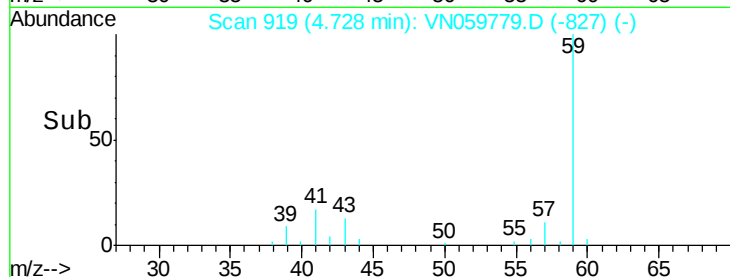
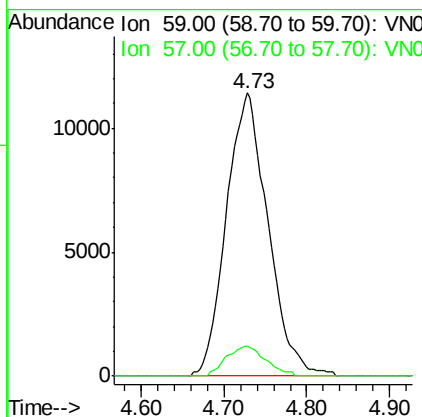
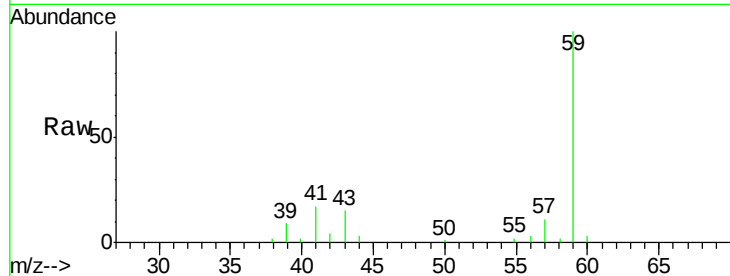
#11
Tert butyl alcohol
Concen: 102.575 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.6	12.8

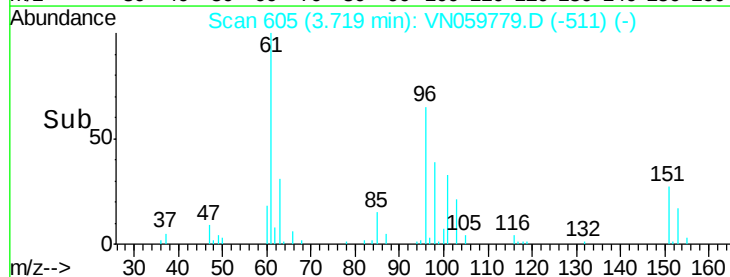
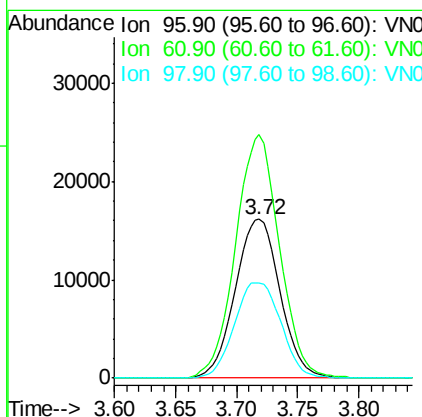
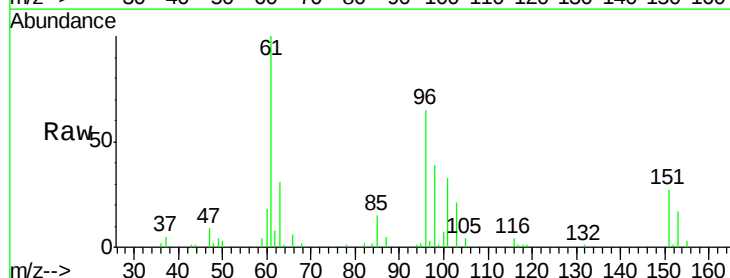
Manual Integrations
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1/21/2020 11:00:59 AM



#12
1,1-Dichloroethene
Concen: 21.629 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	137.5	206.3
98	59.9	50.2	75.4





#13

Acrolein

Concen: 57.833 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 56 Resp: 15889

Ion Ratio Lower Upper

56 100

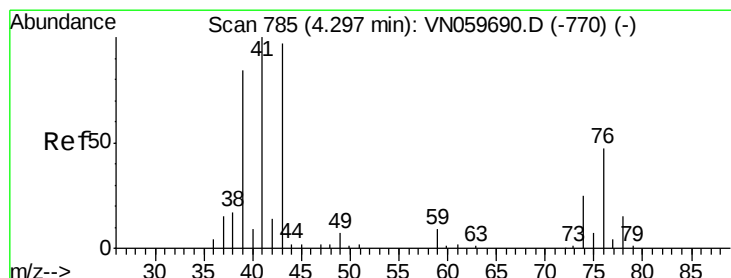
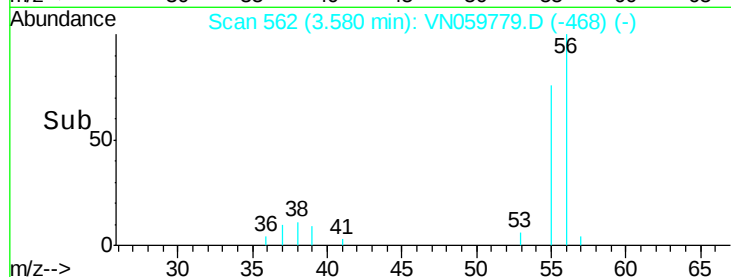
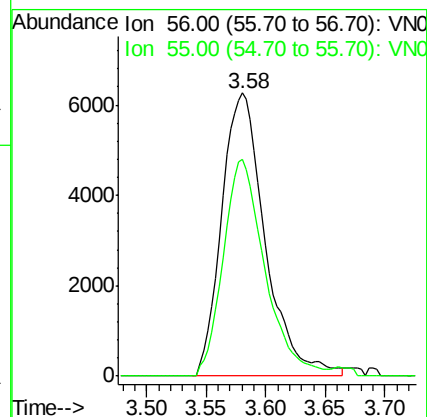
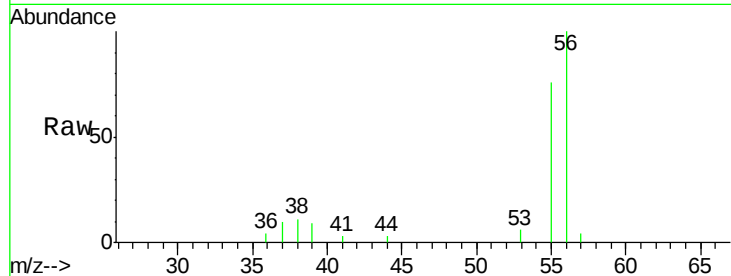
55 73.3 58.6 88.0

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 21.131 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

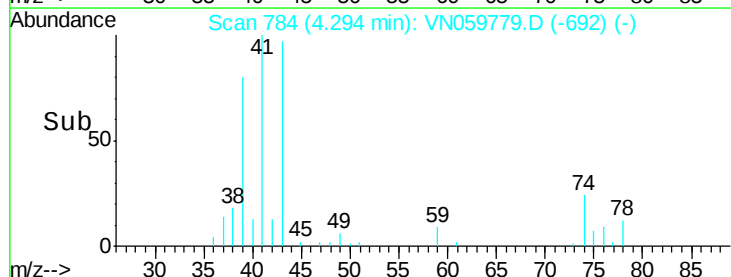
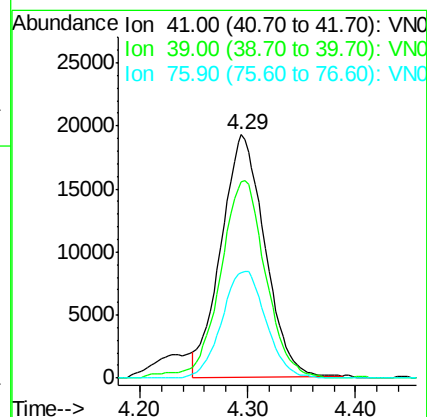
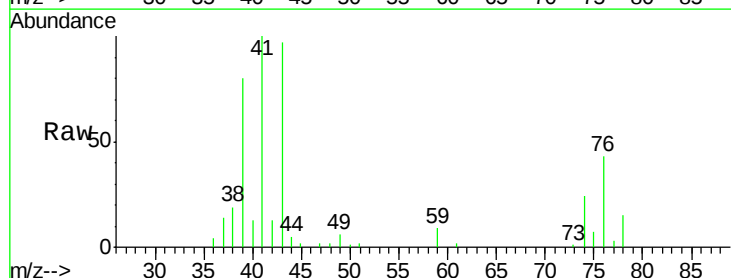
Tgt Ion: 41 Resp: 54098

Ion Ratio Lower Upper

41 100

39 84.8 57.8 86.8

76 44.4 25.4 38.0#





#15

Acrylonitrile

Concen: 106.595 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

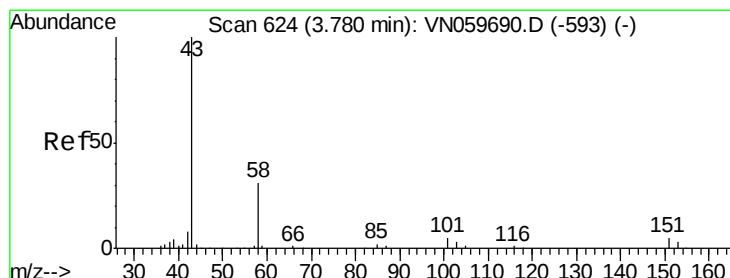
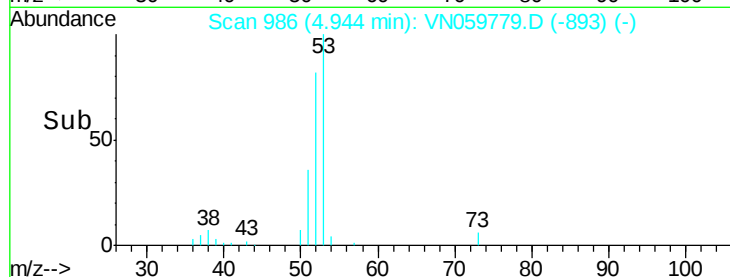
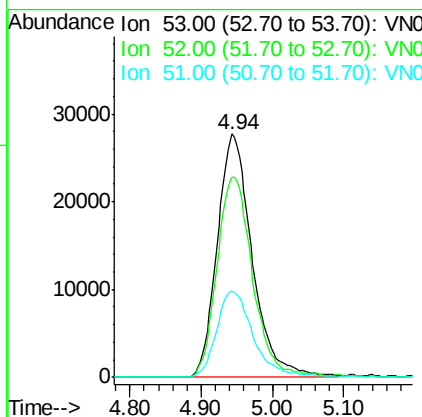
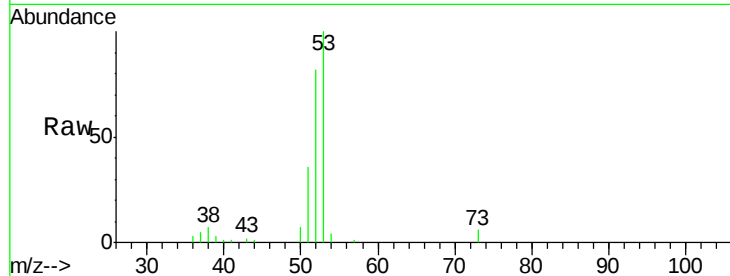
ClientSampleId :

VN0120WBS01

Tot Ion:	53	Resp:	94371
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.3	99.5
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 106.371 ug/l

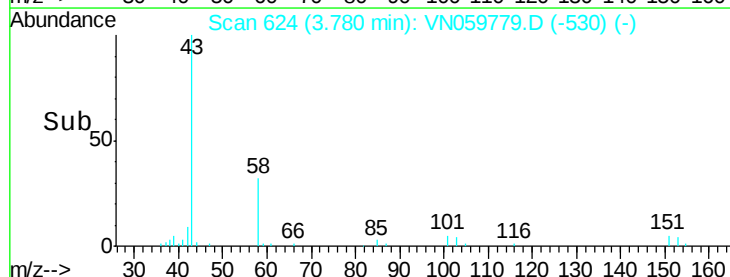
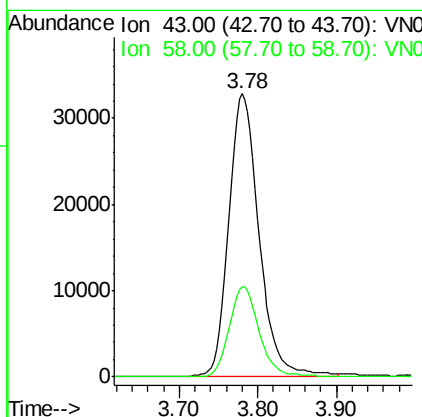
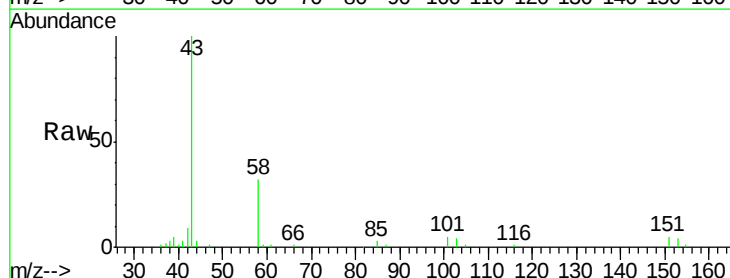
RT: 3.78 min Scan# 624

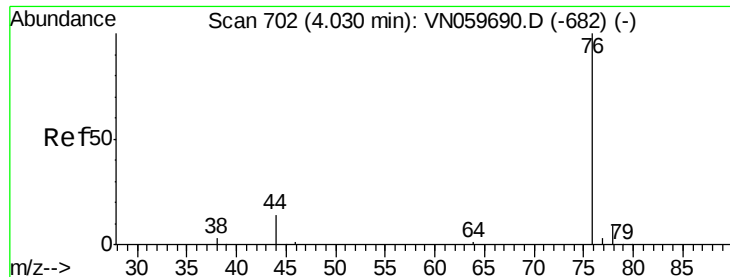
Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion:	43	Resp:	88166
Ion Ratio	Lower	Upper	
43	100		
58	31.8	23.6	35.4





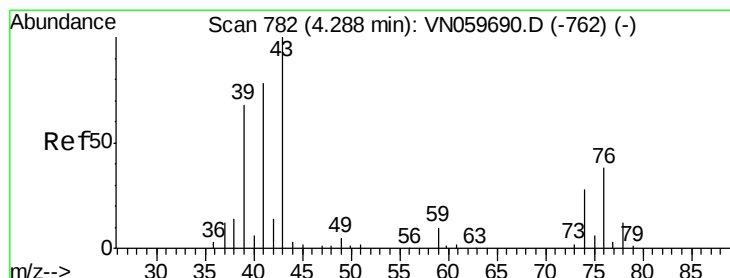
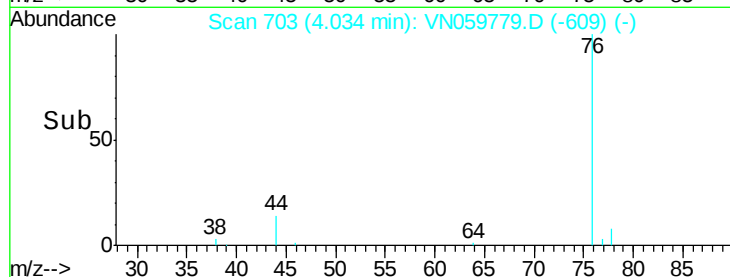
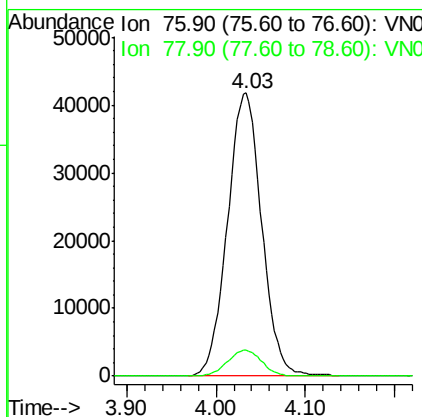
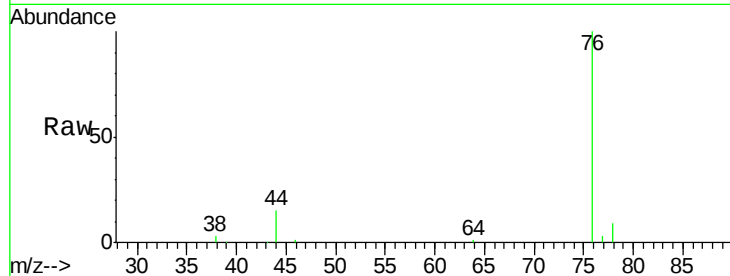
#17
Carbon Disulfide
Concen: 20.502 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion: 76 Resp: 110929
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

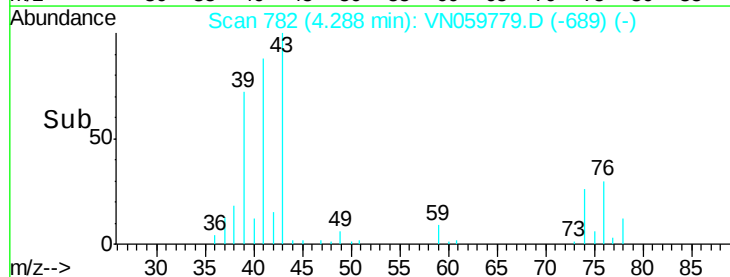
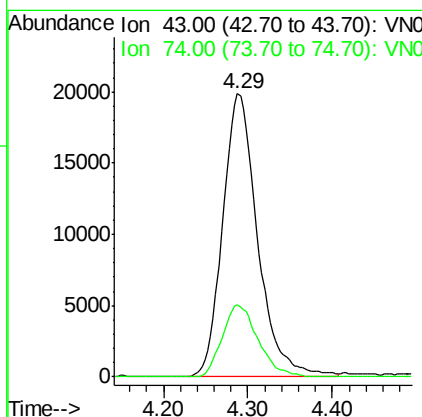
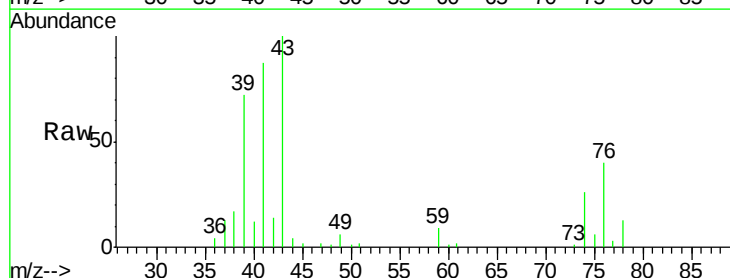
Manual Integrations
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1/21/2020 11:00:59 AM



#18
Methyl Acetate
Concen: 21.228 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 43 Resp: 57167
Ion Ratio Lower Upper
43 100
74 26.0 17.5 26.3





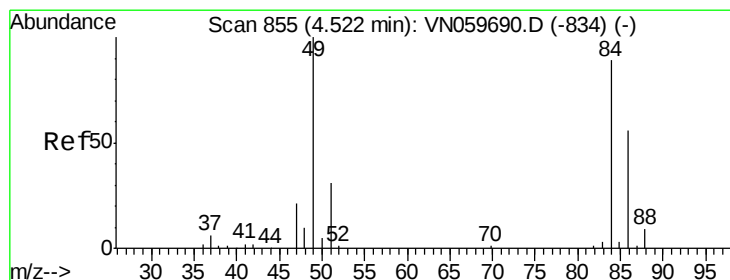
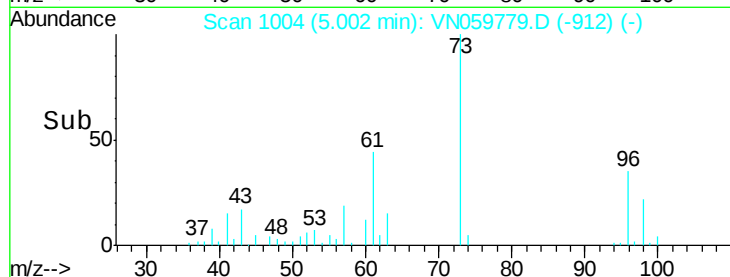
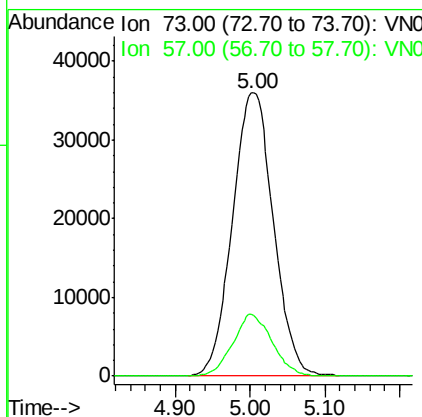
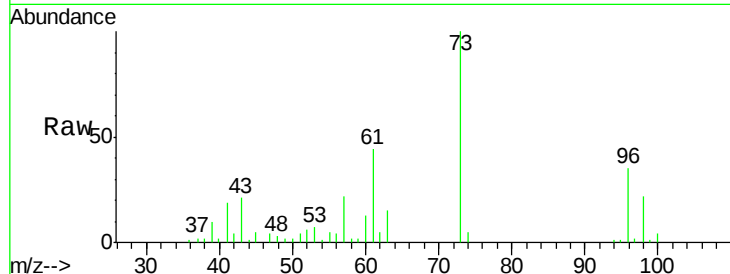
#19
Methvl tert-butvl Ether
Concen: 22.123 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion: 73 Resp: 137000
Ion Ratio Lower Upper
73 100
57 21.8 18.6 27.8

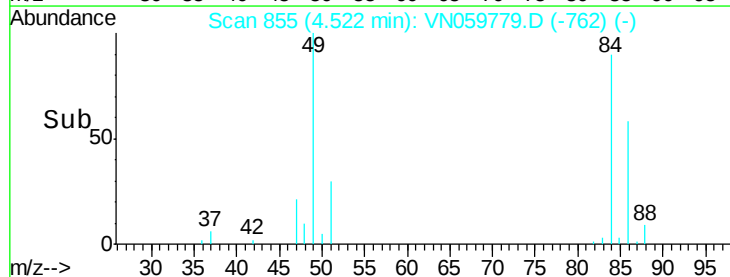
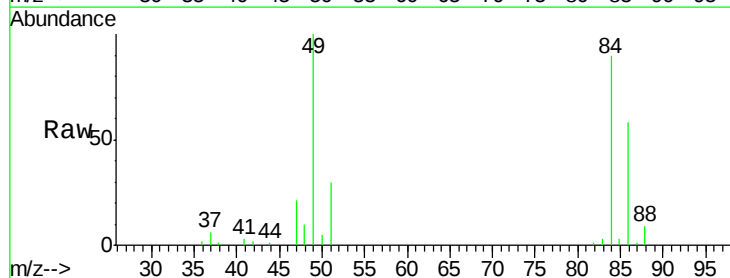
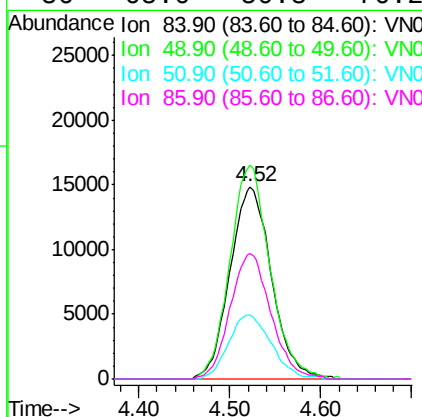
Manual Integrations
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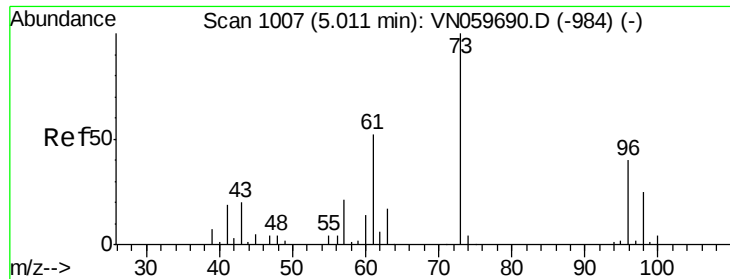
MMDadoda
1/21/2020 11:00:59 AM



#20
Methylene Chloride
Concen: 21.844 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 84 Resp: 47084
Ion Ratio Lower Upper
84 100
49 111.2 106.6 160.0
51 33.5 31.9 47.9
86 65.0 50.8 76.2





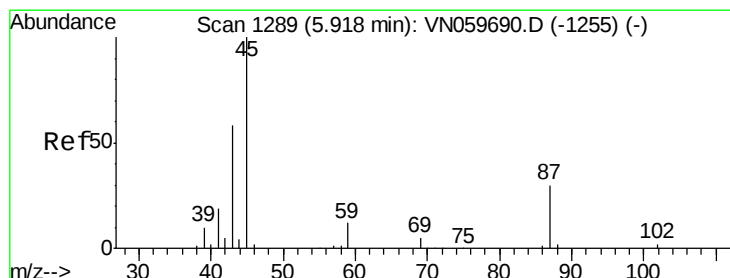
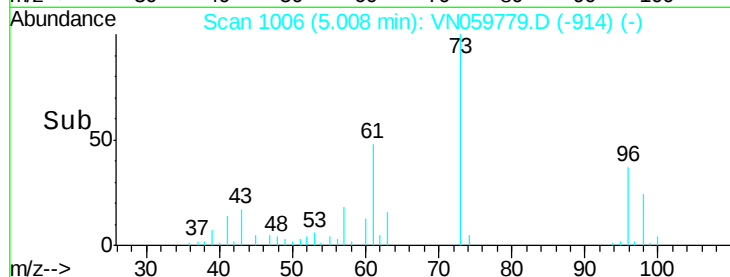
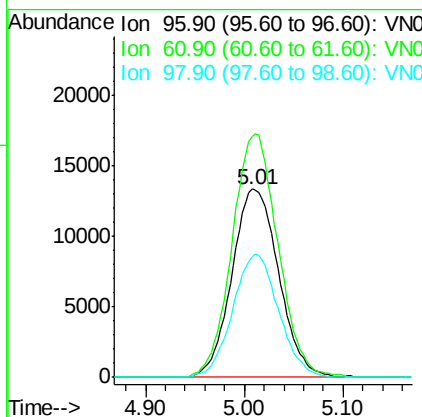
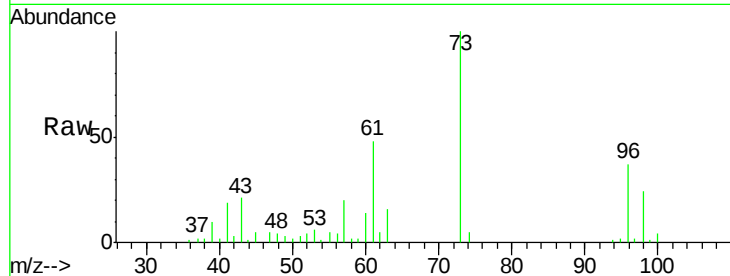
#21
trans-1,2-Dichloroethene
Concen: 21.712 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	120.4	180.6
98	64.2	50.6	75.8

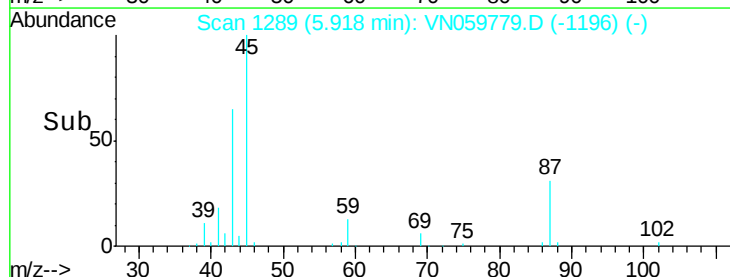
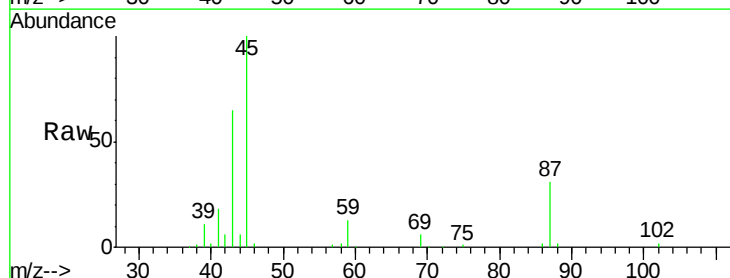
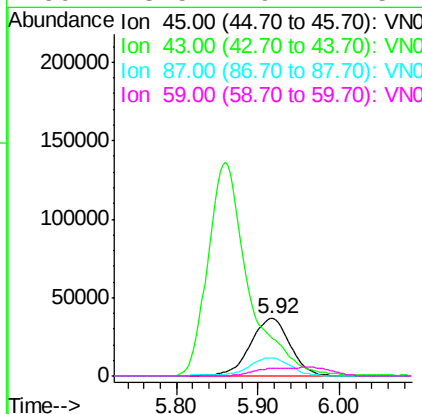
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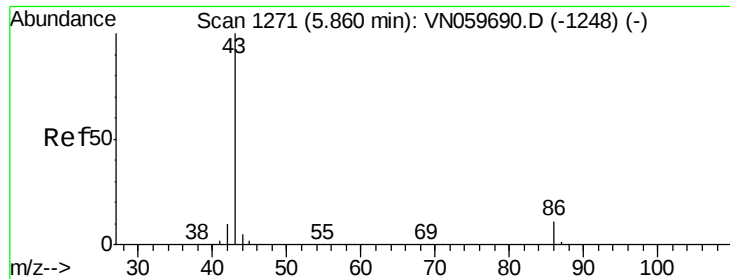
MMDadoda
1/21/2020 11:00:59 AM



#22
Diisopropyl ether
Concen: 21.486 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	50.8	76.2
87	30.6	21.0	31.6
59	13.5	9.1	13.7





#23

Vinyl Acetate

Concen: 105.532 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0120WBS01

Tot Ion: 43 Resp: 474037

Ion Ratio Lower Upper

43 100

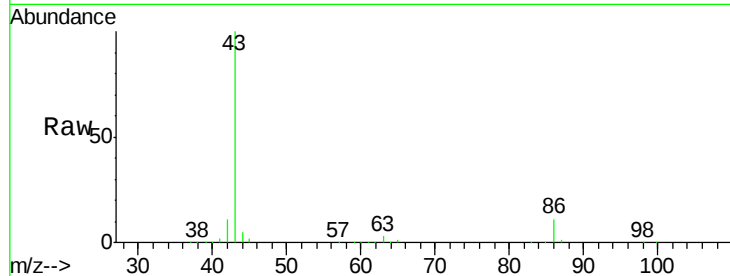
86 11.4 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

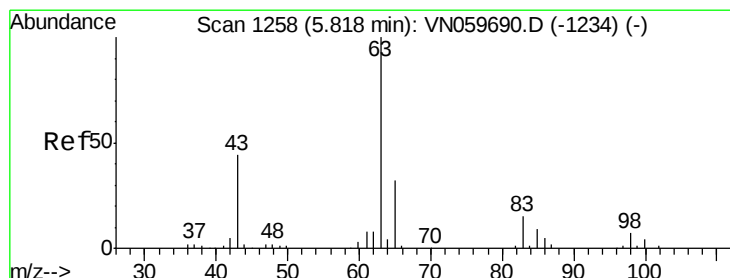
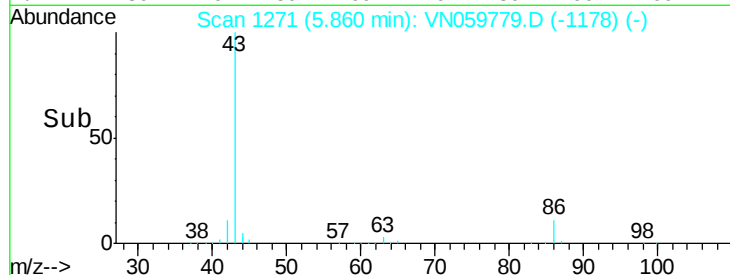
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.489 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

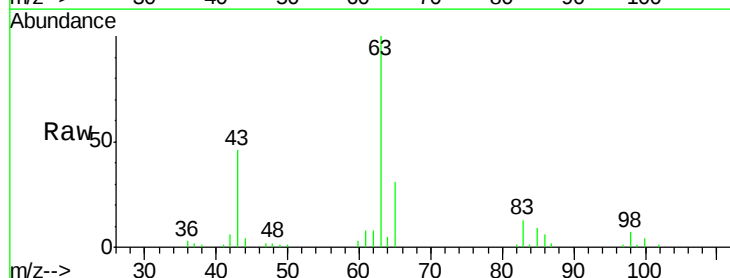
Tgt Ion: 63 Resp: 76179

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

100 4.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

30000

25000

20000

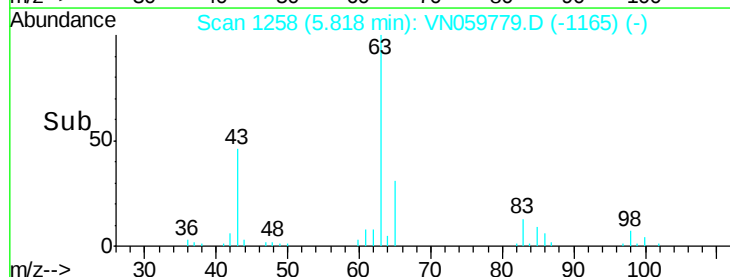
15000

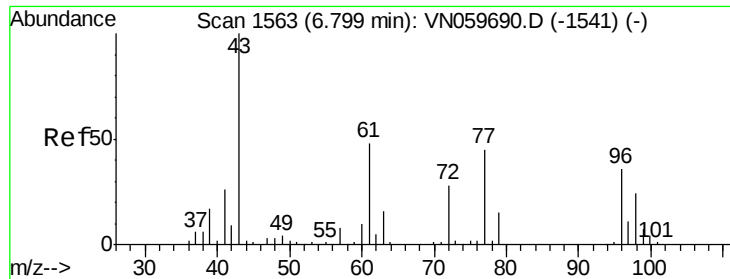
10000

5000

0

Time-->





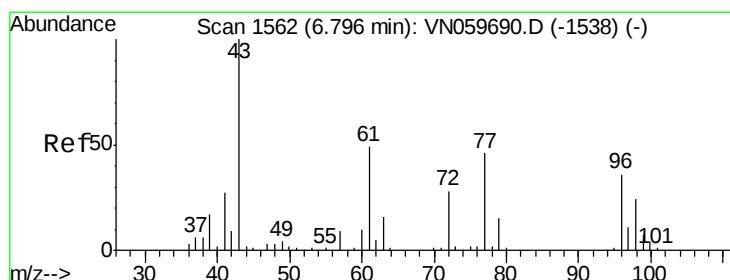
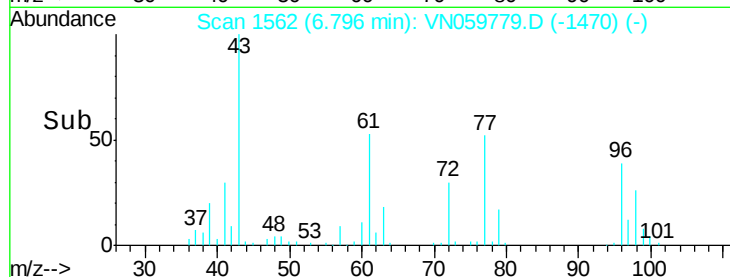
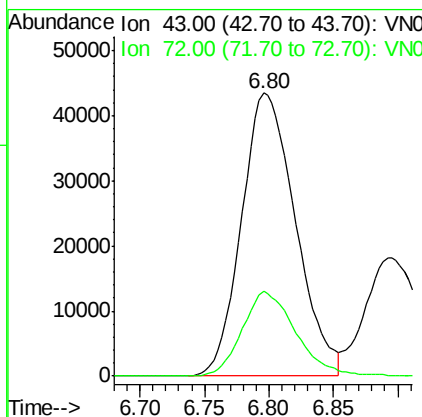
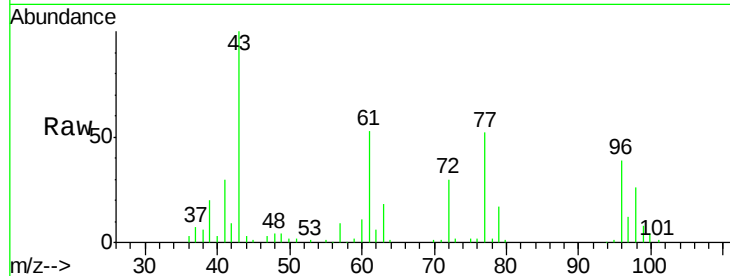
#25
2-Butanone
Concen: 96.926 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion: 43 Resp: 126545
Ion Ratio Lower Upper
43 100
72 29.9 19.9 29.9#

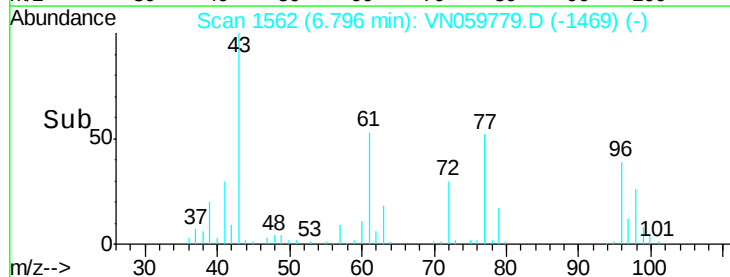
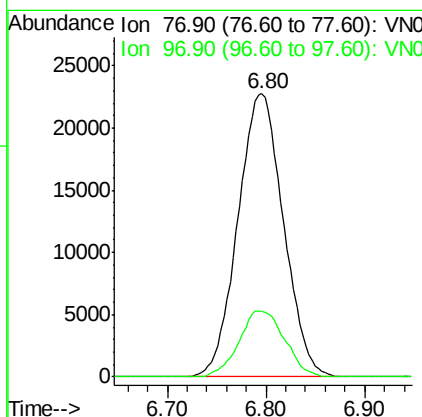
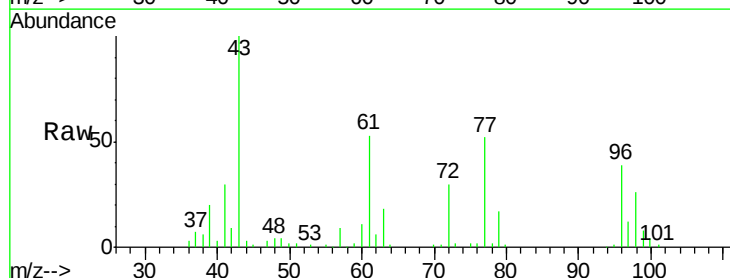
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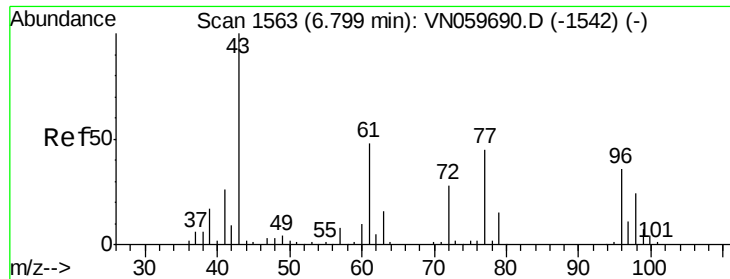
MMDadoda
1/21/2020 11:00:59 AM



#26
2,2-Dichloropropane
Concen: 21.343 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 77 Resp: 72737
Ion Ratio Lower Upper
77 100
97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 22.094 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

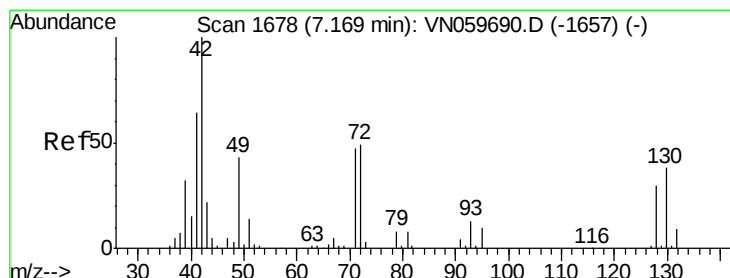
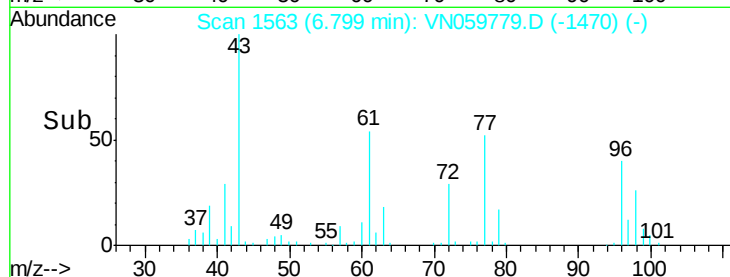
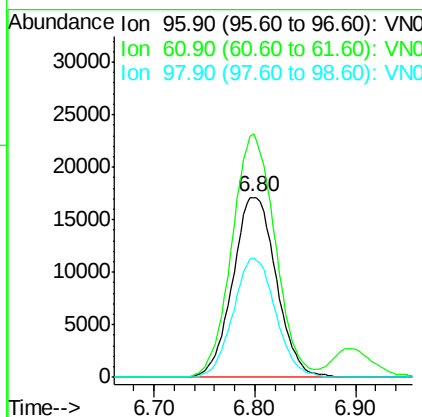
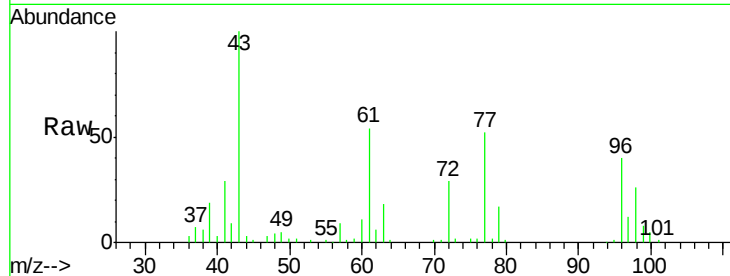
ClientSampleId :

VN0120WBS01

Tot Ion:	96	Resp:	51307
Ion	Ratio	Lower	Upper
96	100		
61	133.9	0.0	317.6
98	64.4	0.0	127.0

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#28

Bromochloromethane

Concen: 20.401 ug/l

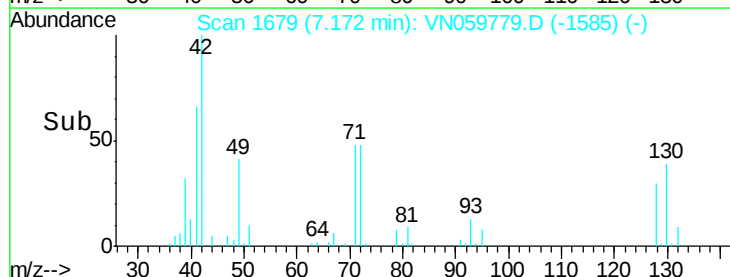
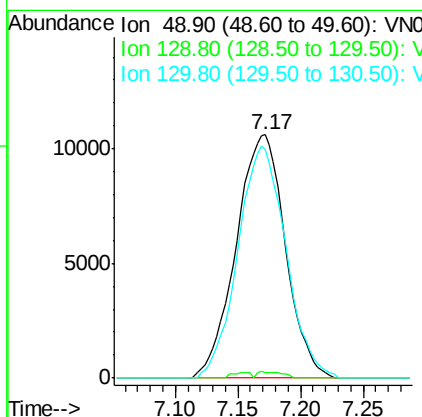
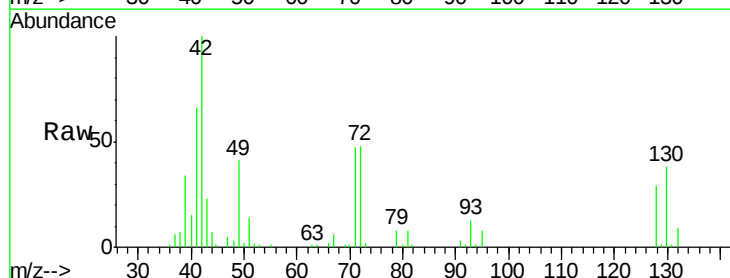
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion:	49	Resp:	28905
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	93.2	54.7	82.1#





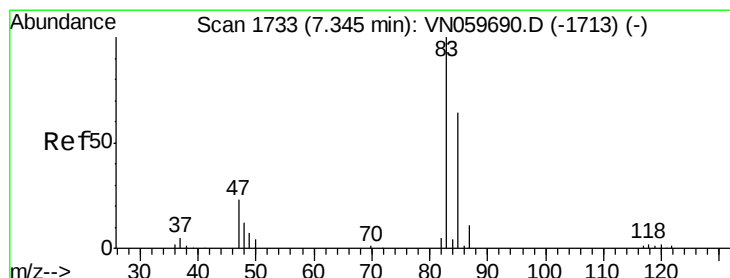
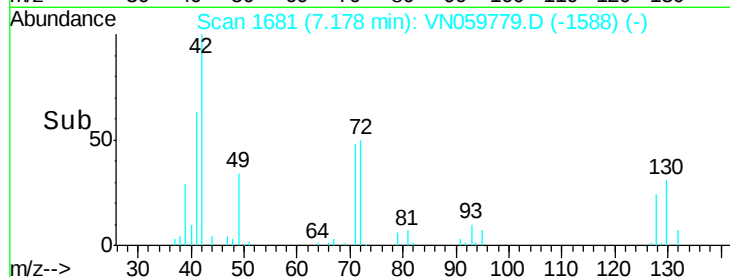
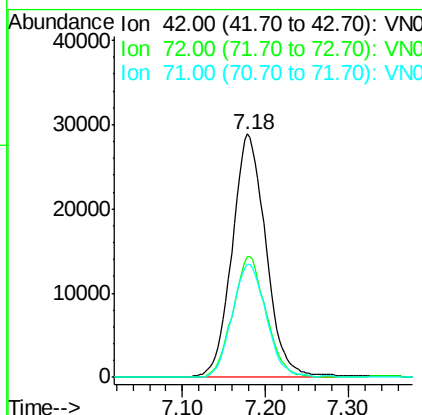
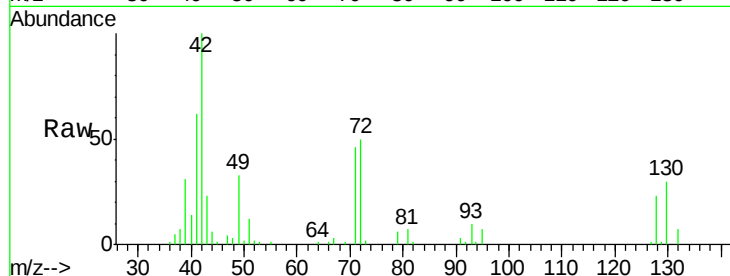
#29
Tetrahydrofuran
Concen: 101.545 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	33.1	49.7
71	46.5	31.4	47.0

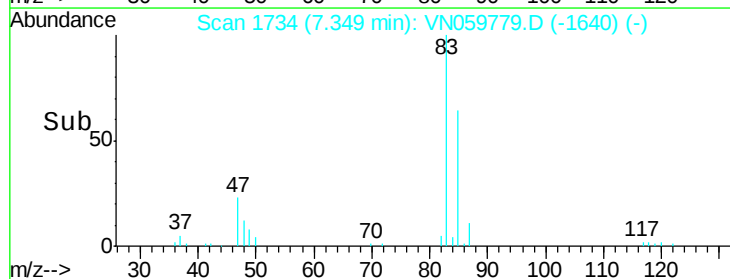
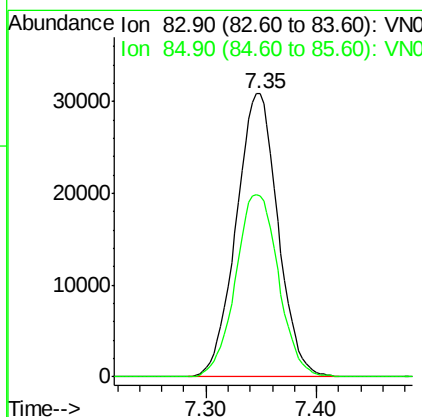
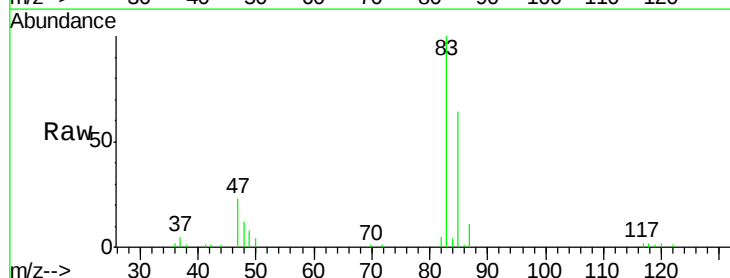
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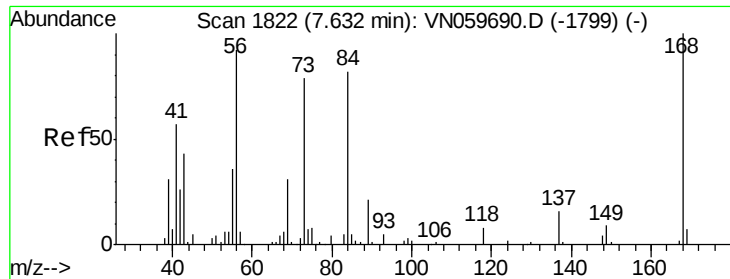
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#30
Chloroform
Concen: 22.032 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.4	78.6





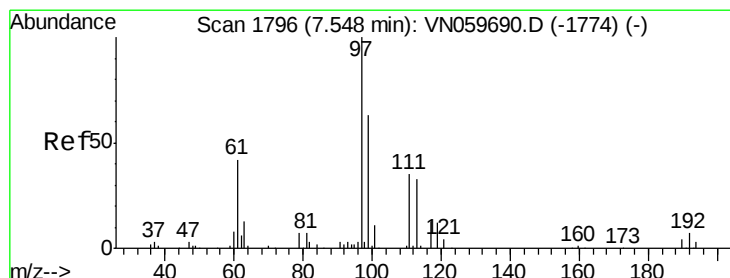
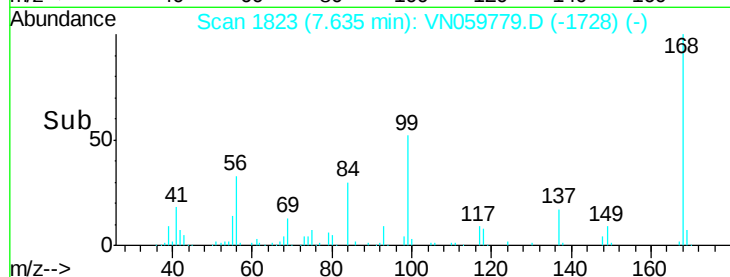
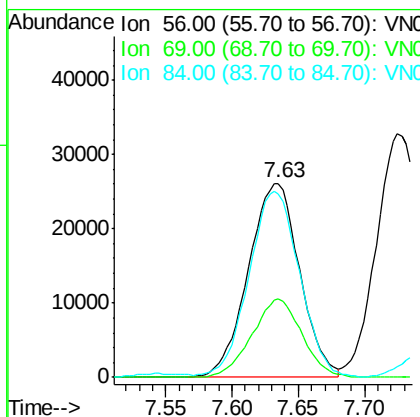
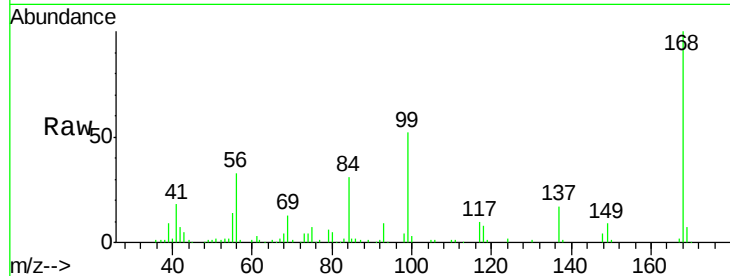
#31
Cyclohexane
Concen: 20.680 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.4	26.5	39.7#
84	93.0	65.3	97.9

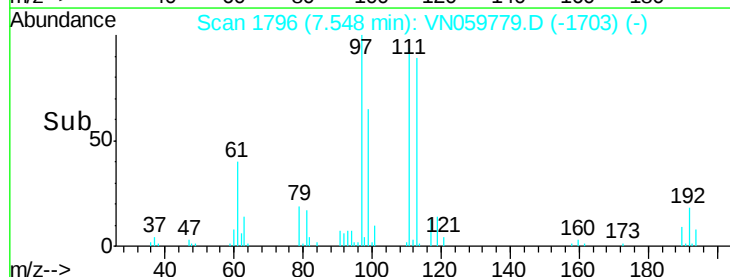
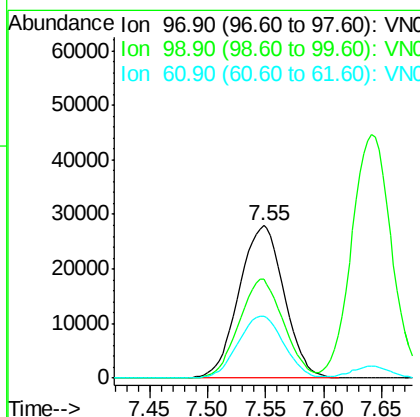
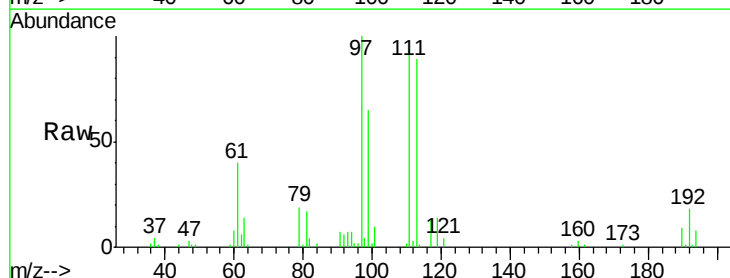
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#32
1,1,1-Trichloroethane
Concen: 22.289 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.4
61	41.4	38.5	57.7





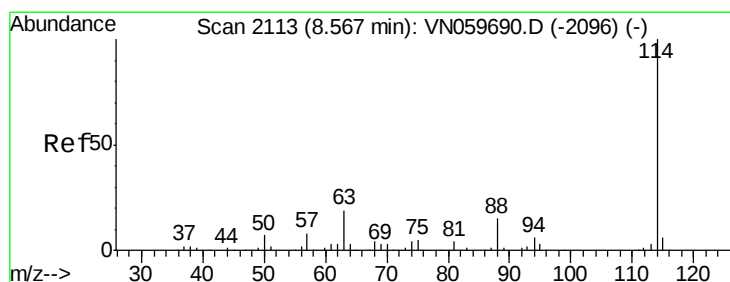
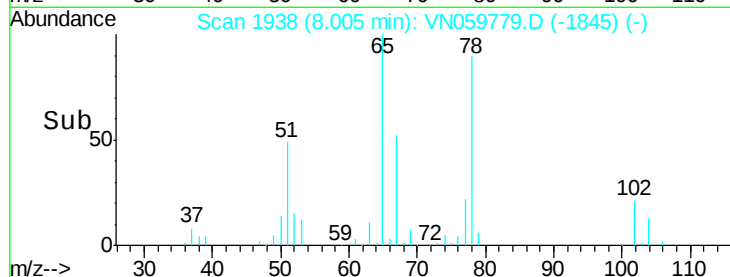
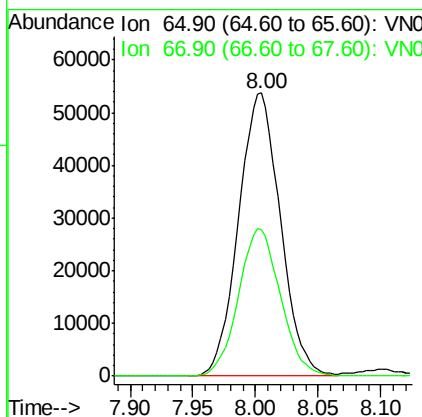
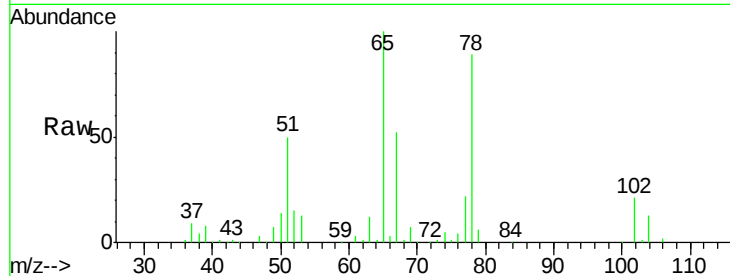
#33
 1,2-Dichloroethane-d4
 Concen: 54.119 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	124771		
67	52.0	0.0	103.0	

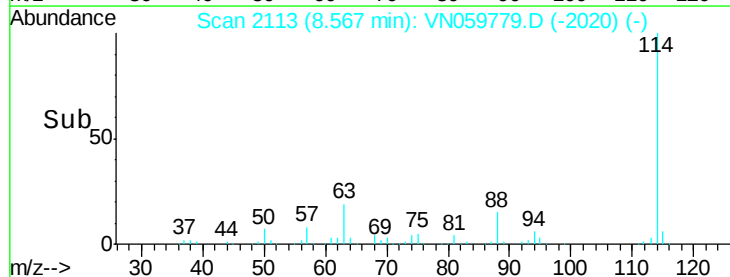
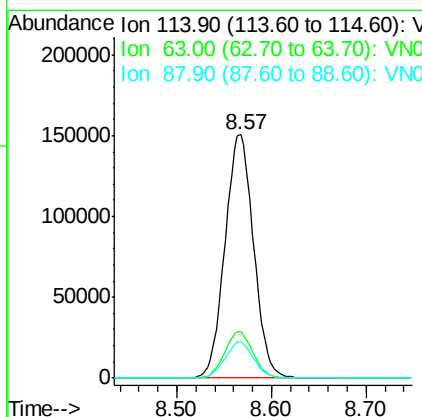
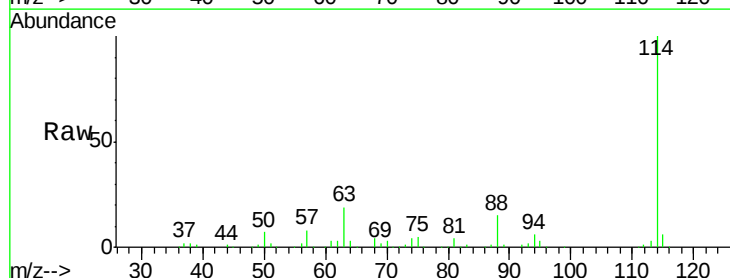
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	316113		
63	18.8	0.0	43.6	
88	14.8	0.0	31.4	





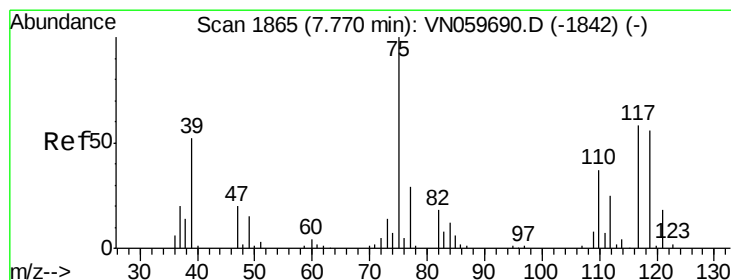
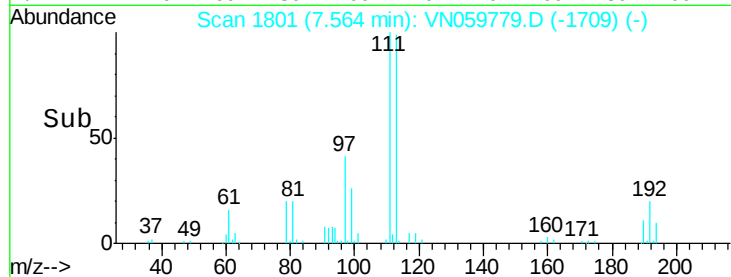
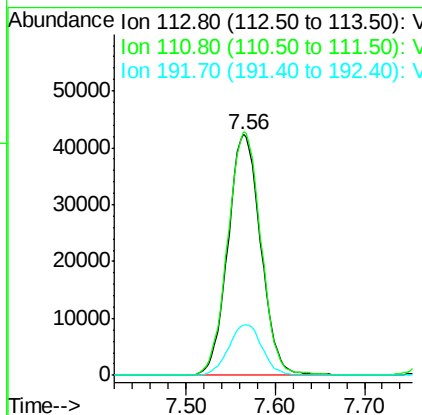
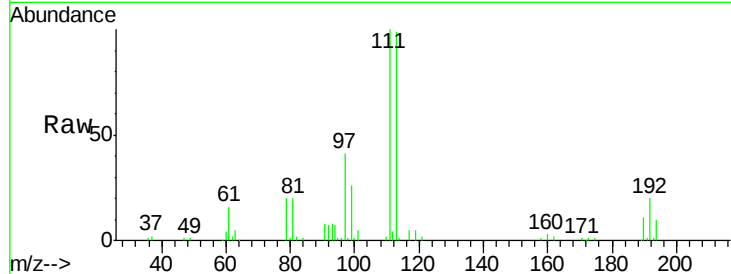
#35
 Dibromofluoromethane
 Concen: 57.336 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108085		
111	101.5	83.5	125.3	
192	21.2	15.4	23.2	

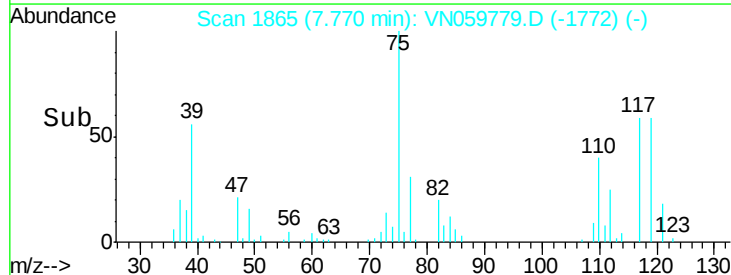
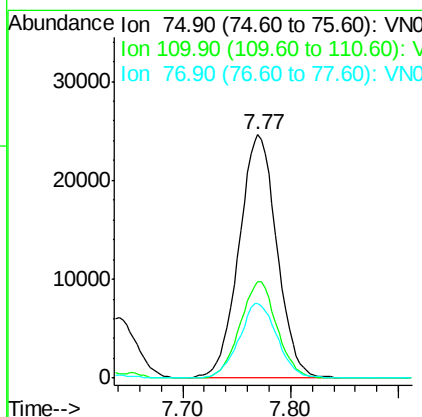
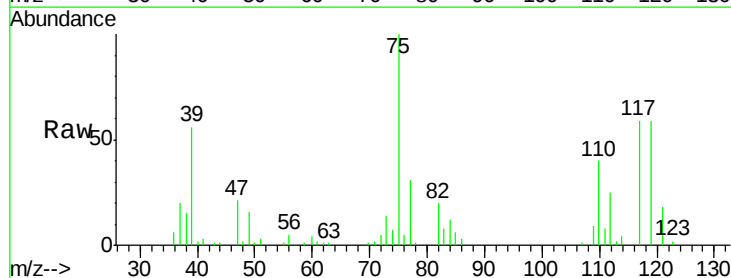
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#36
 1,1-Dichloropropene
 Concen: 21.824 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60077		
110	38.4	16.6	49.7	
77	30.9	25.1	37.7	





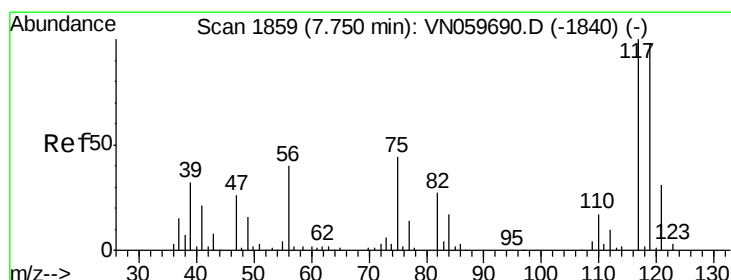
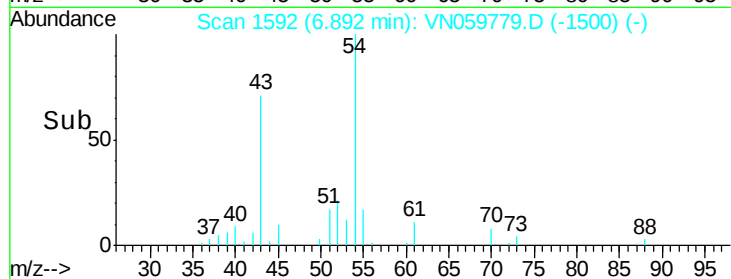
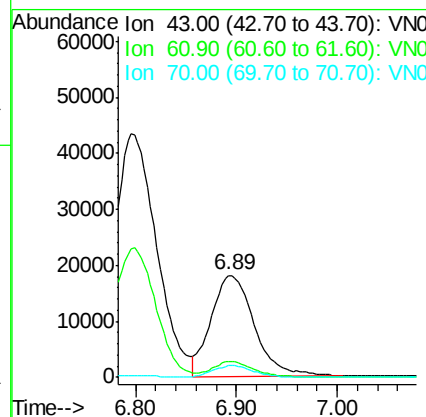
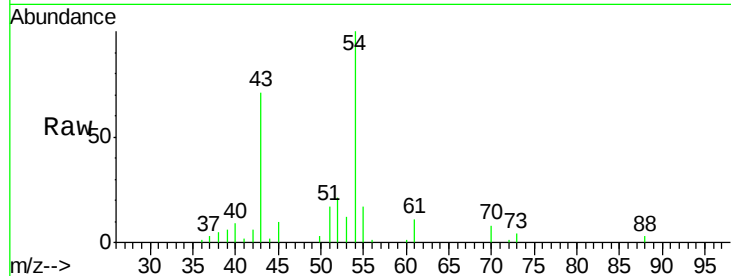
#37
Ethyl Acetate
Concen: 20.683 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.9	16.3
70	10.9	7.7	11.5

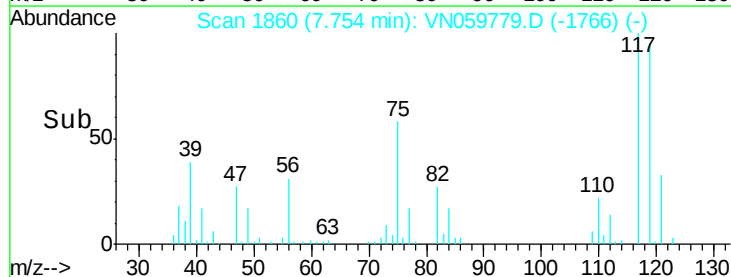
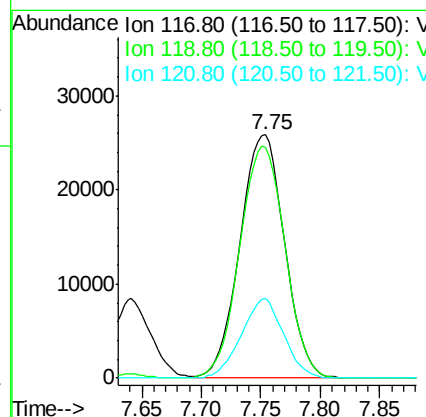
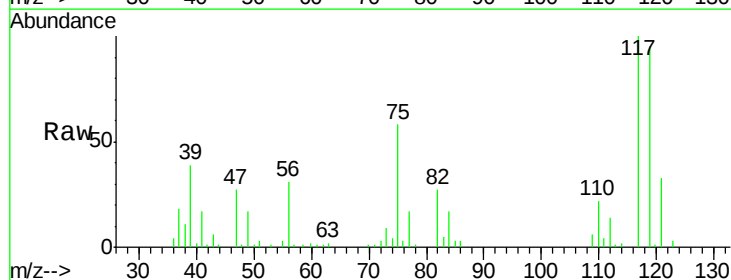
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#38
Carbon Tetrachloride
Concen: 22.504 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.5	114.7
121	32.7	25.1	37.7





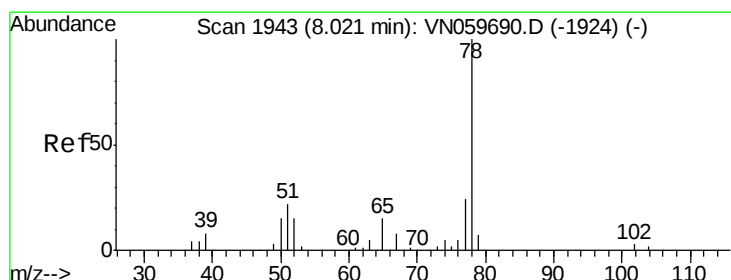
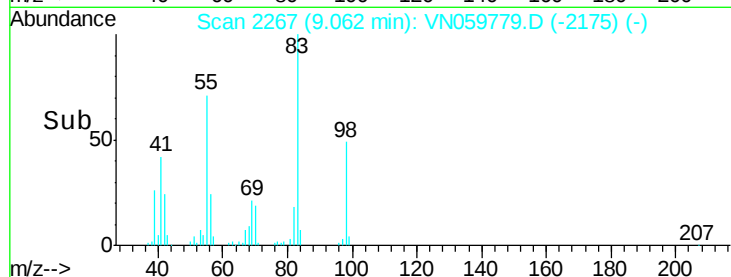
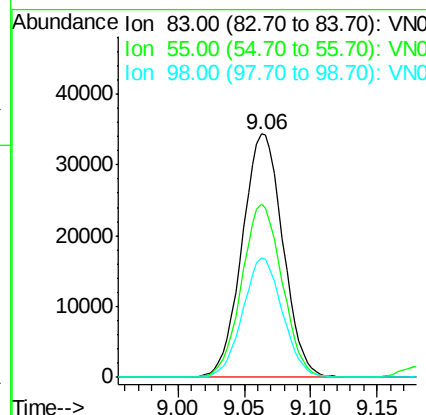
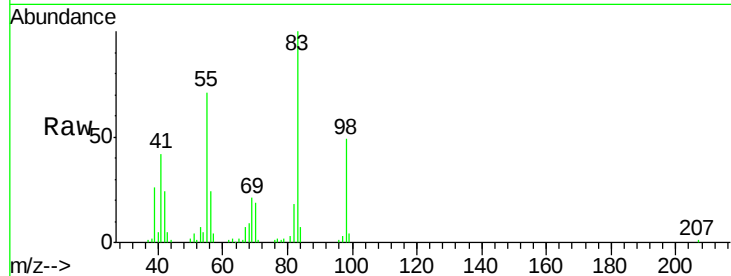
#39
Methvlcvclohexane
Concen: 21.679 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	64.2	96.2
98	49.2	35.9	53.9

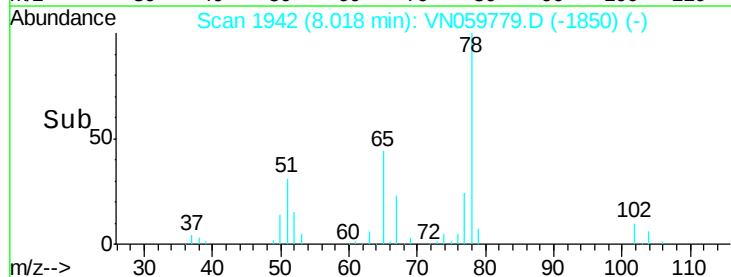
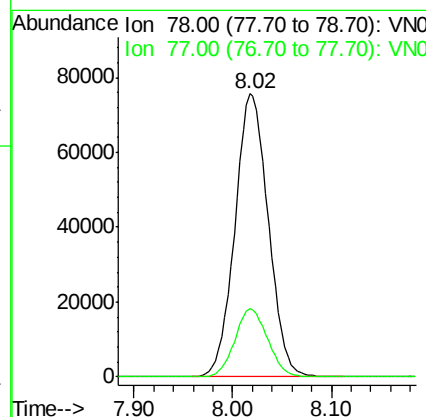
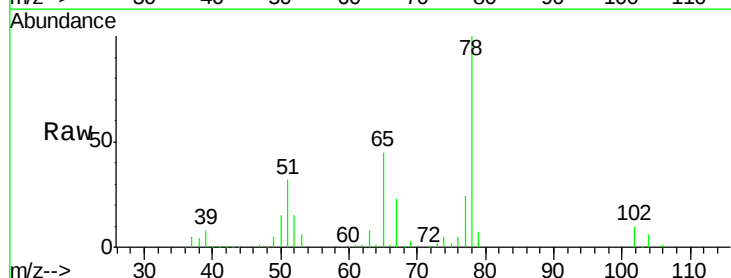
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#40
Benzene
Concen: 21.636 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





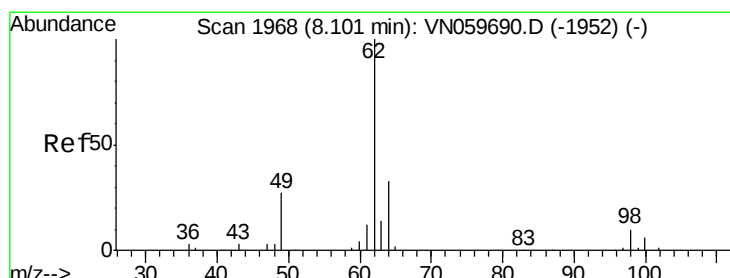
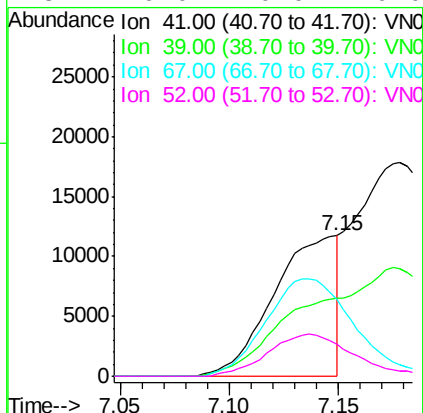
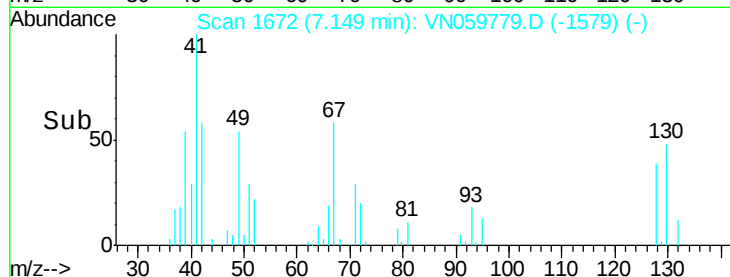
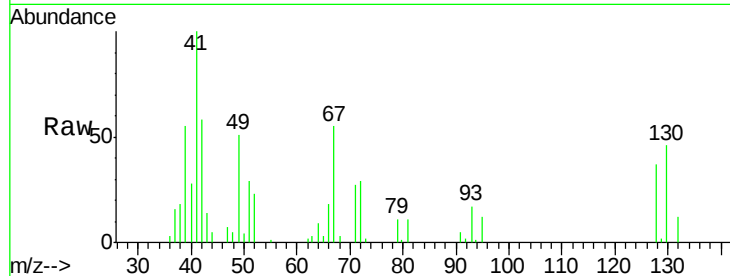
#41
Methacrylonitrile
Concen: 18.705 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleID :
VN0120WBS01

Tot Ion	41	Resp	23788
Ion	Ratio	Lower	Upper
41	100		
39	167.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

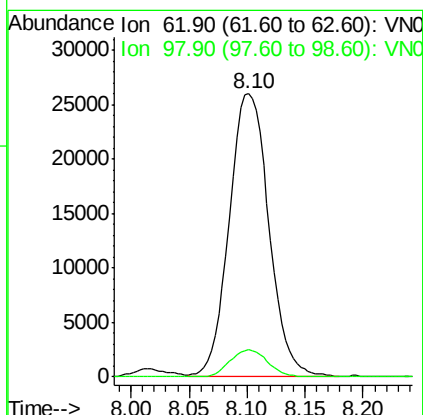
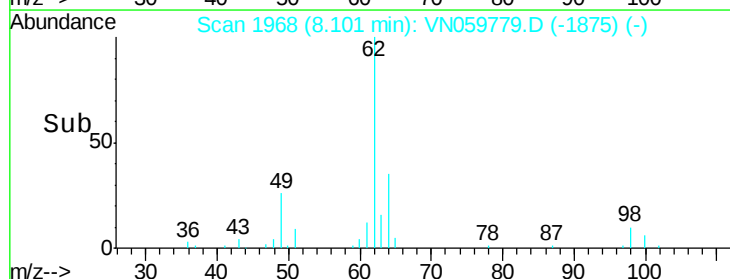
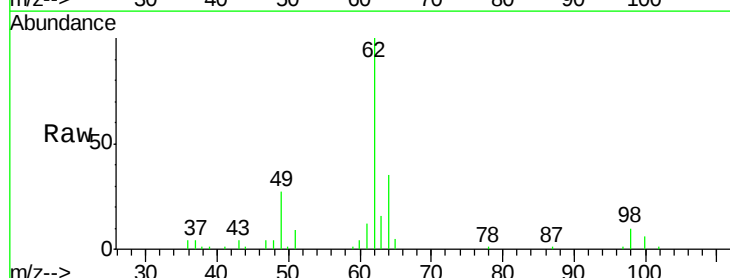
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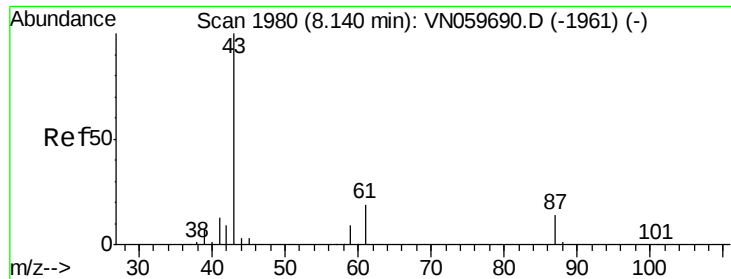
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#42
1,2-Dichloroethane
Concen: 22.220 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	62	Resp	61852
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8





#43

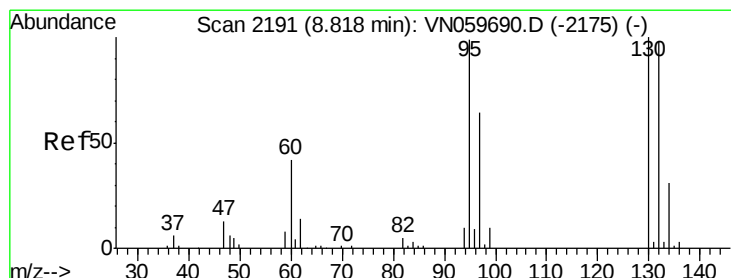
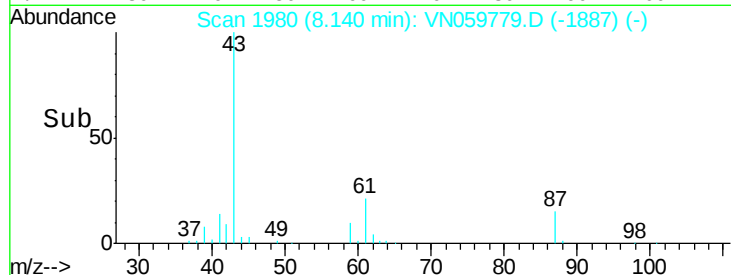
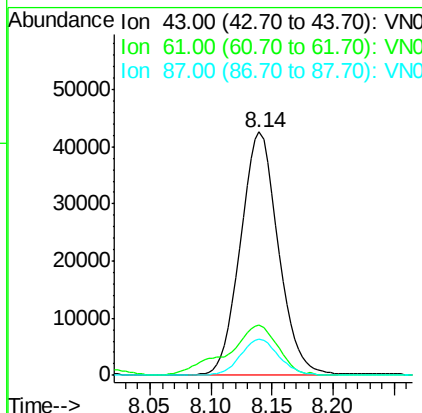
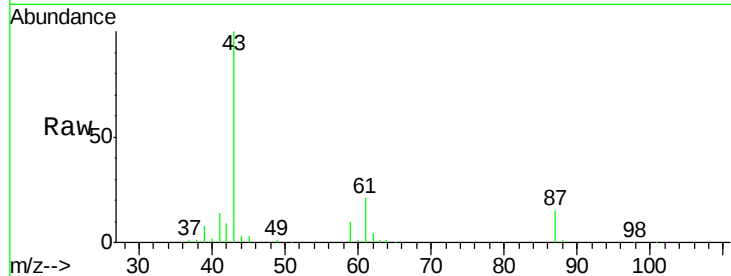
Isopropyl Acetate
 Concen: 20.586 ug/l
 RT: 8.14 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0120WBS01

Tot Ion	43	61	87
Resp	91424		
Ratio	100	27.6	15.0
Lower		20.2	9.5
Upper		30.2	14.3

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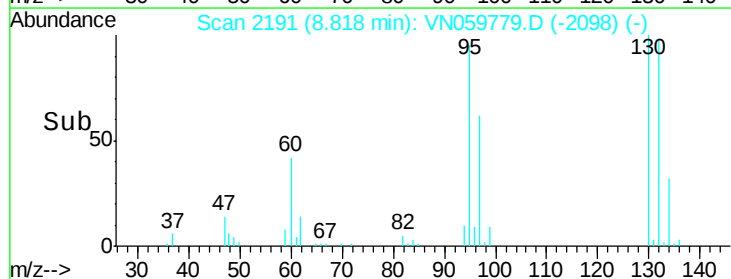
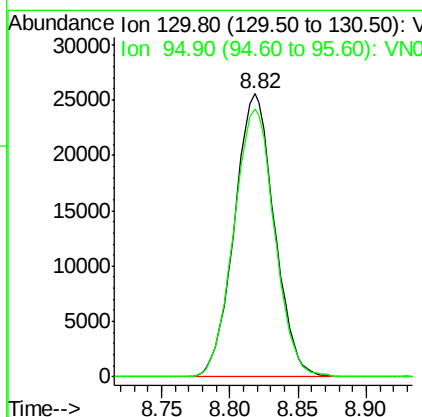
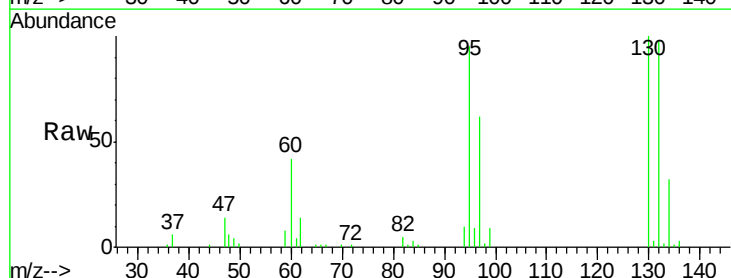
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 1/21/2020 11:00:59 AM



#44

Trichloroethene
 Concen: 23.164 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	130	95
Resp	51916	
Ratio	100	94.9
Lower		0.0
Upper		207.0





#45

1,2-Dichloropropane

Concen: 22.098 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0120WBS01

Tot Ion: 63 Resp: 44894

Ion Ratio Lower Upper

63 100

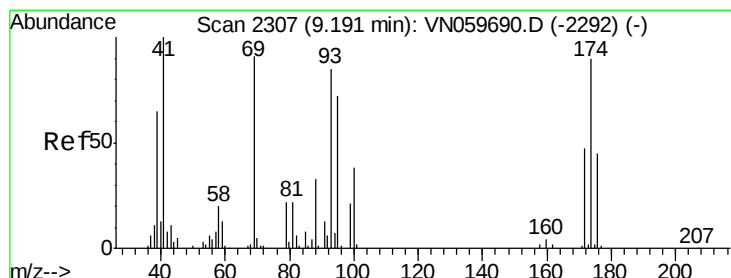
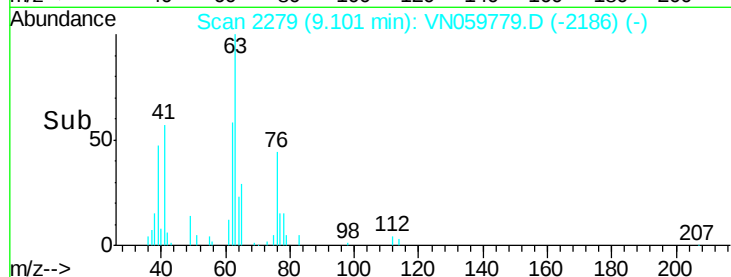
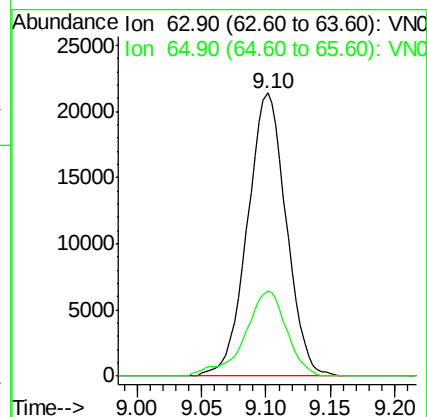
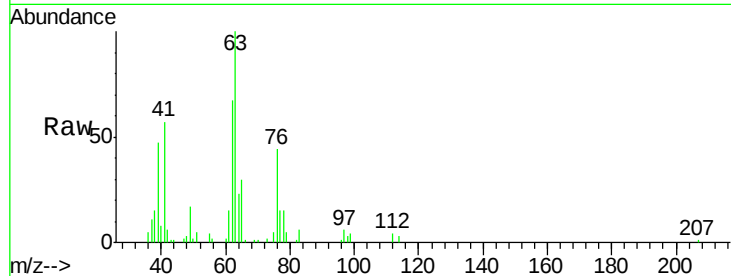
65 29.8 24.9 37.3

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#46

Dibromomethane

Concen: 22.308 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

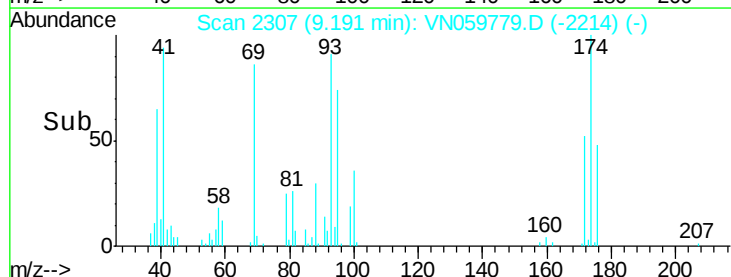
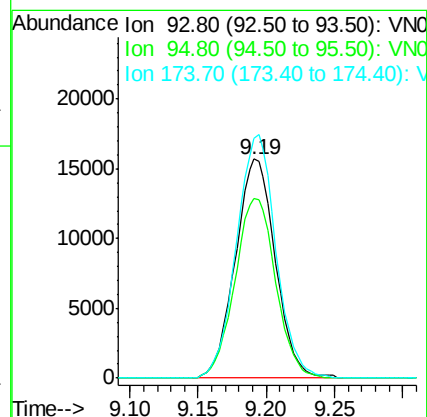
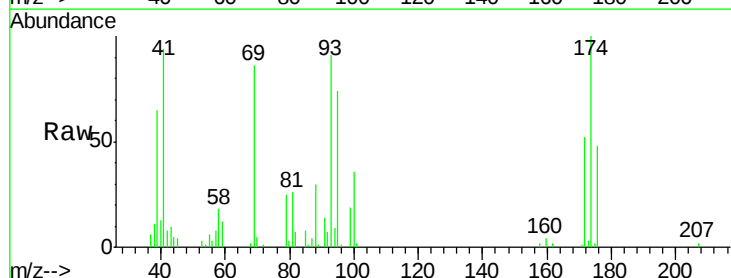
Tgt Ion: 93 Resp: 31969

Ion Ratio Lower Upper

93 100

95 83.3 67.0 100.6

174 109.5 73.4 110.2





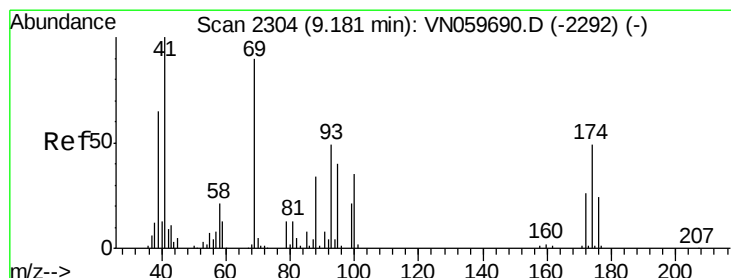
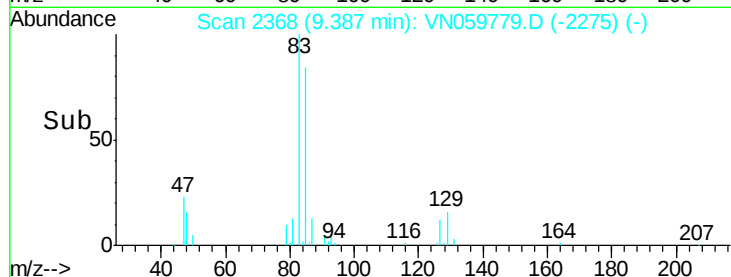
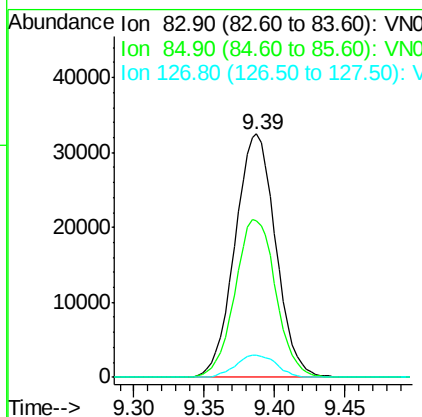
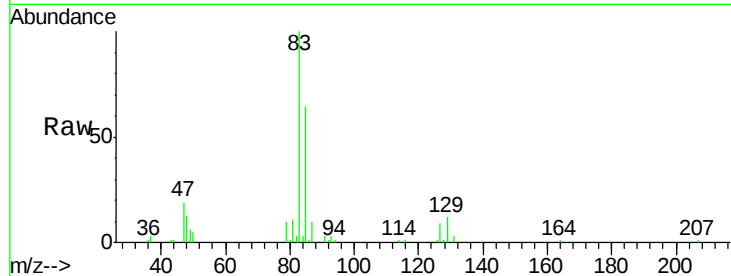
#47
Bromodichloromethane
Concen: 22.681 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	83	Resp	65499
Ion Ratio	100		
85	64.3	51.1	76.7
127	8.9	6.6	9.8

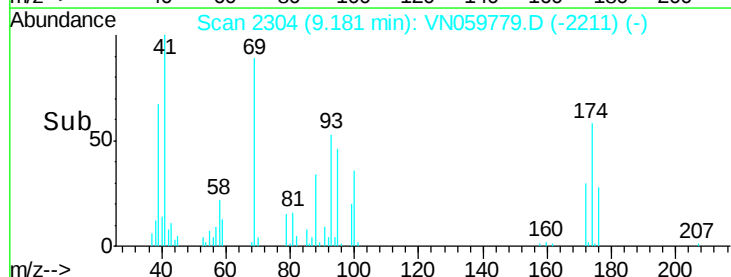
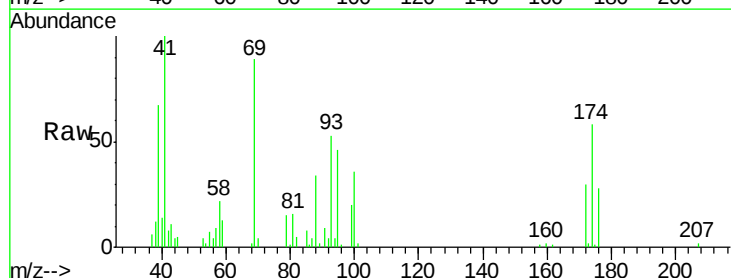
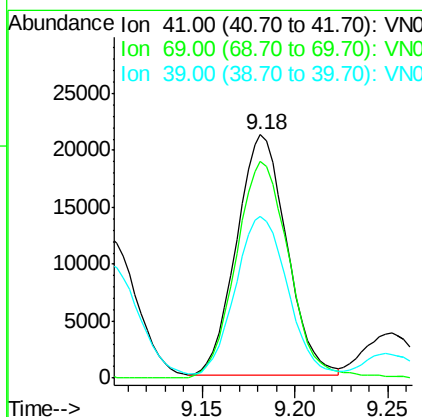
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#48
Methyl methacrylate
Concen: 19.974 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	41	Resp	39678
Ion Ratio	100		
69	95.3	64.4	96.6
39	71.1	51.3	76.9





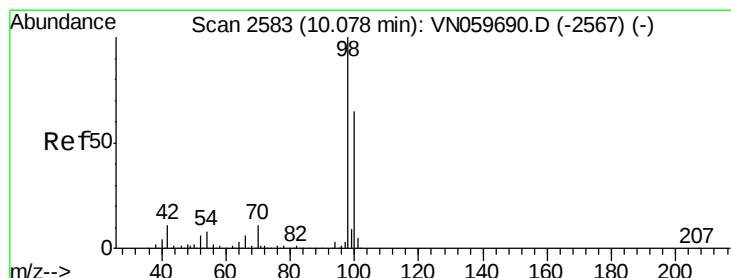
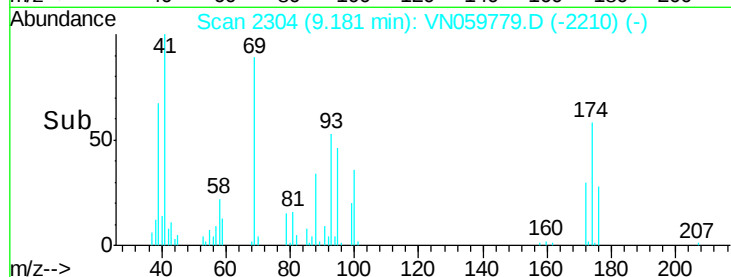
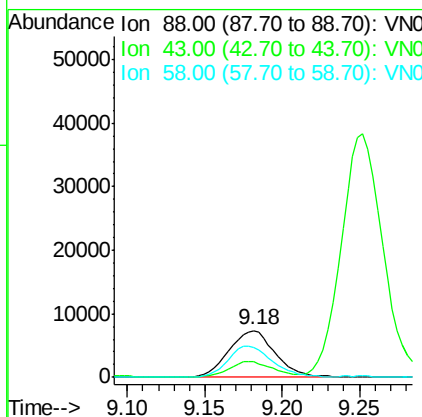
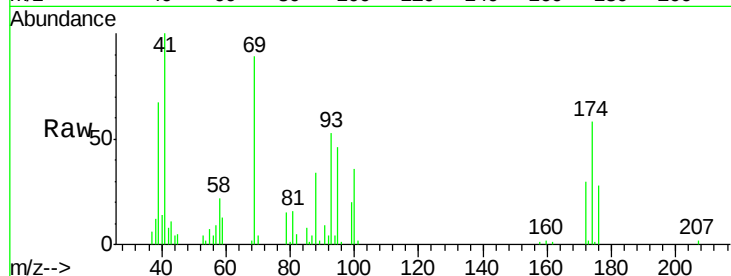
#49
1,4-Dioxane
Concen: 420.051 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	88	Resp	15275
Ion	Ratio	Lower	Upper
88	100		
43	33.0	29.7	44.5
58	63.8	56.6	85.0

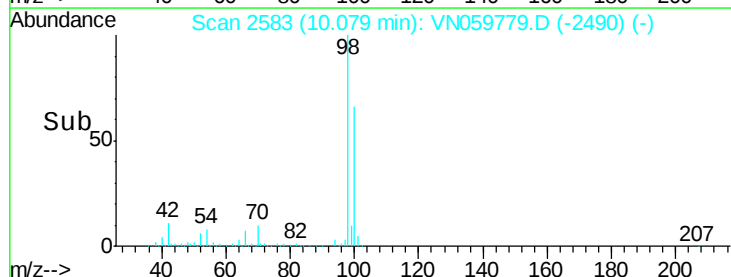
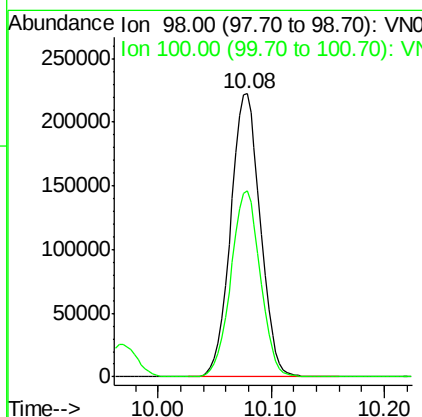
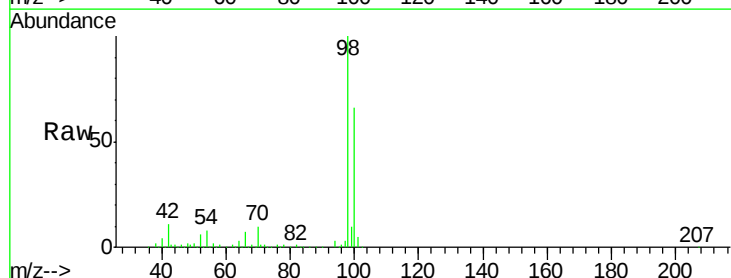
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#50
Toluene-d8
Concen: 55.479 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	98	Resp	405212
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 102.579 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN0120WBS01

Tot Ion: 43 Resp: 263342

Ion Ratio Lower Upper

43 100

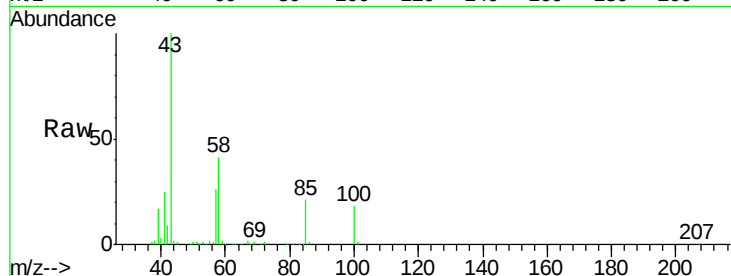
58 40.8 29.8 44.8

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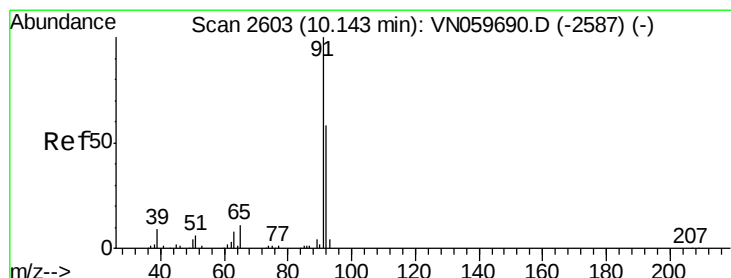
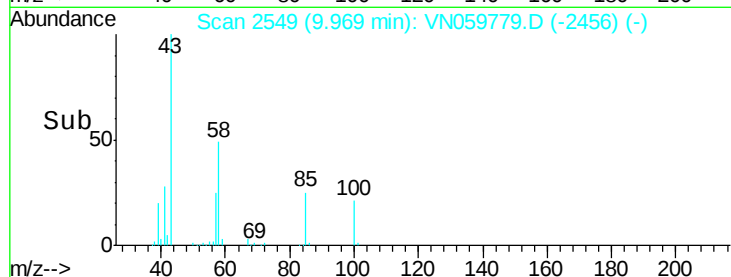
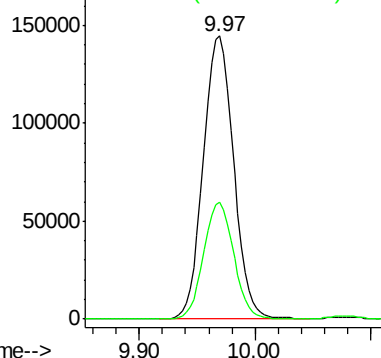
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 22.441 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059779.D

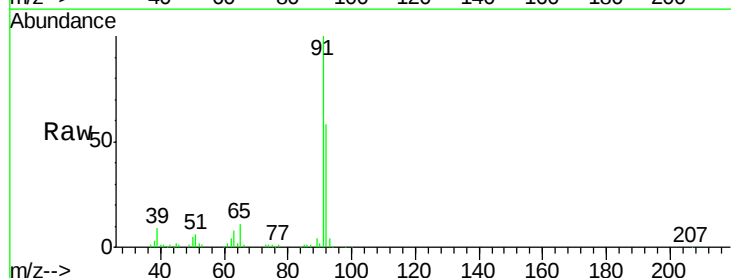
Acq: 20 Jan 2020 11:51

Tgt Ion: 92 Resp: 116373

Ion Ratio Lower Upper

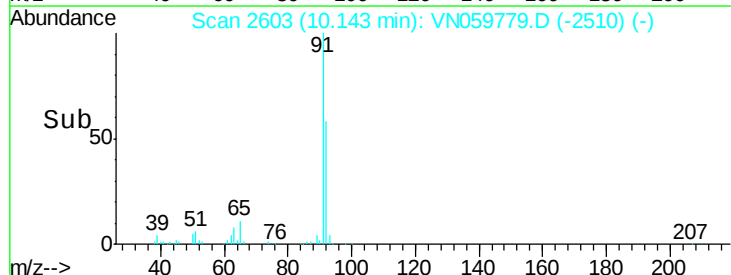
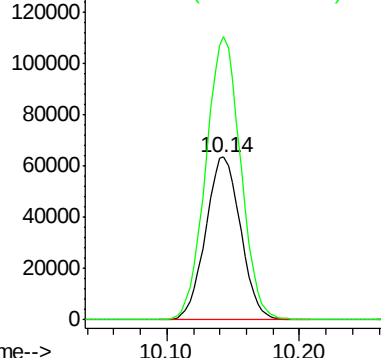
92 100

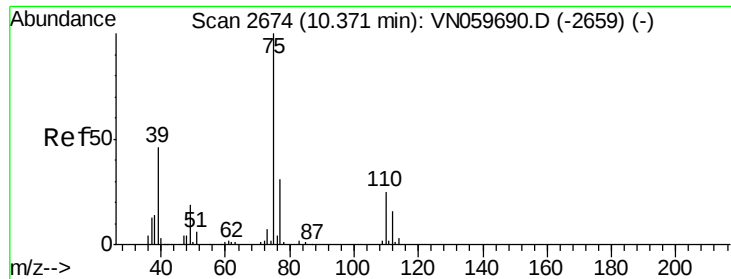
91 173.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





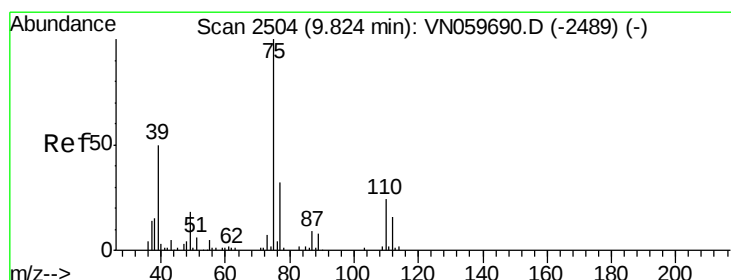
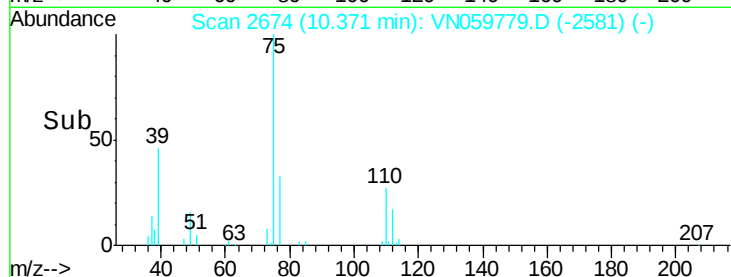
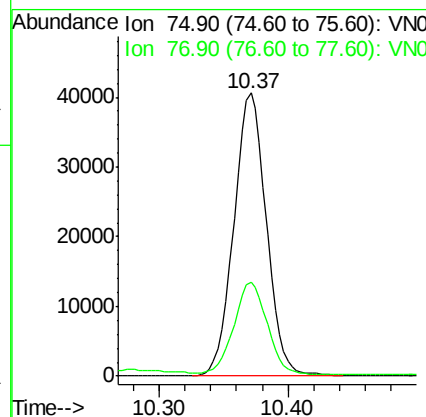
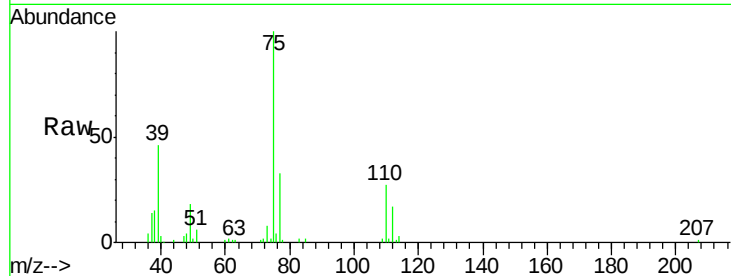
#53
t-1,3-Dichloropropene
Concen: 22.071 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion: 75 Resp: 71169
Ion Ratio Lower Upper
75 100
77 32.4 25.4 38.2

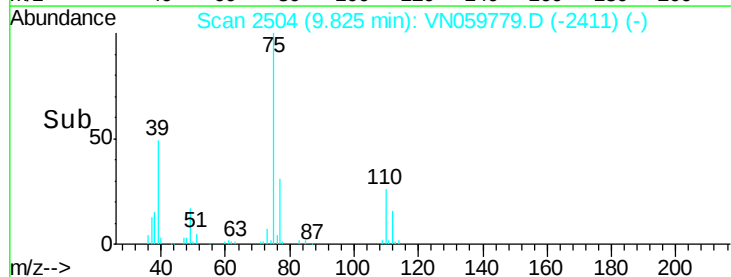
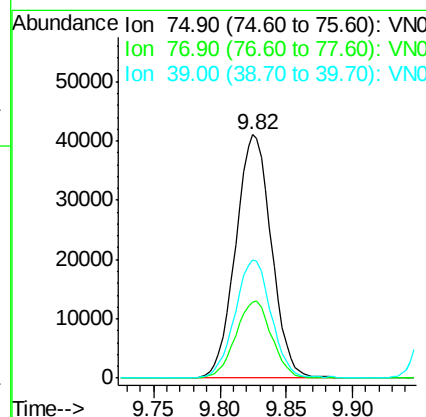
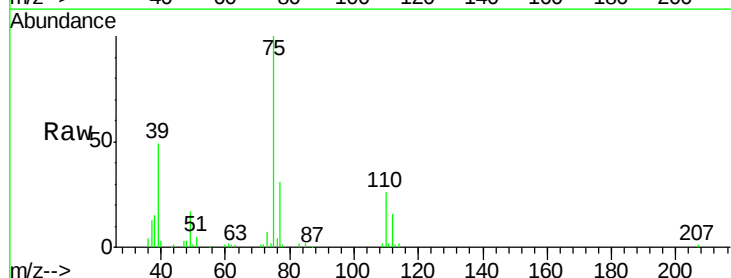
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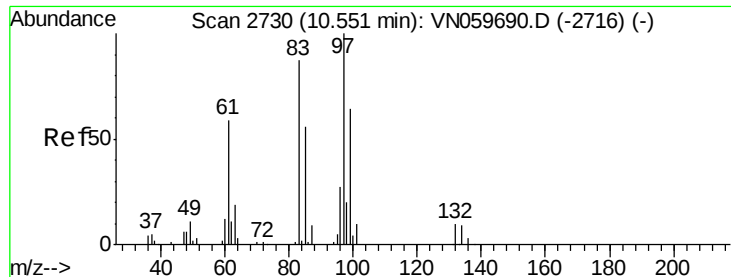
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#54
cis-1,3-Dichloropropene
Concen: 22.649 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 75 Resp: 76844
Ion Ratio Lower Upper
75 100
77 31.3 25.1 37.7
39 48.8 46.1 69.1





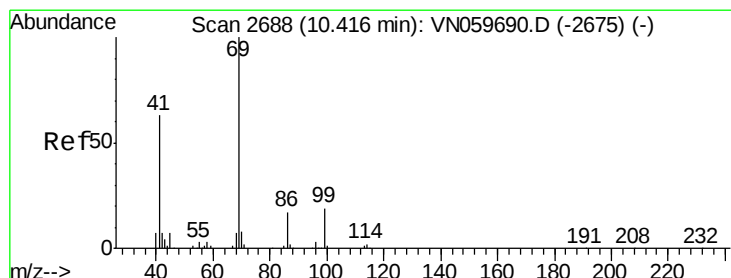
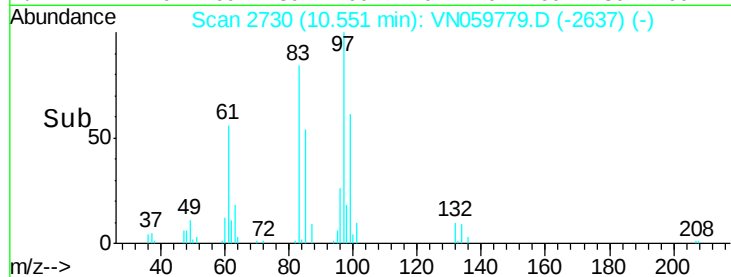
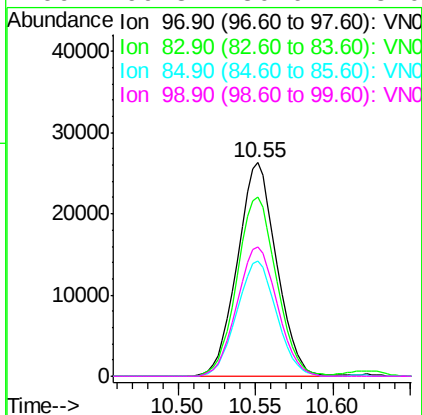
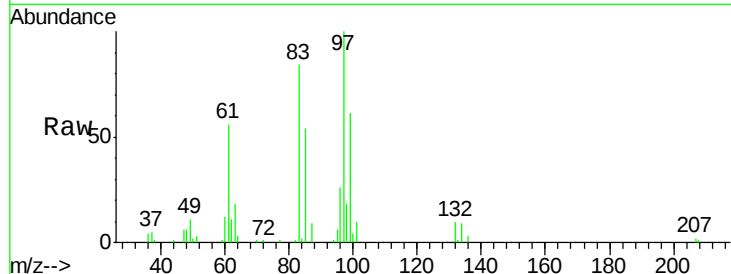
#55
 1,1,2-Trichloroethane
 Concen: 22.572 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.3	106.9
85	54.0	45.8	68.8
99	60.8	50.0	75.0

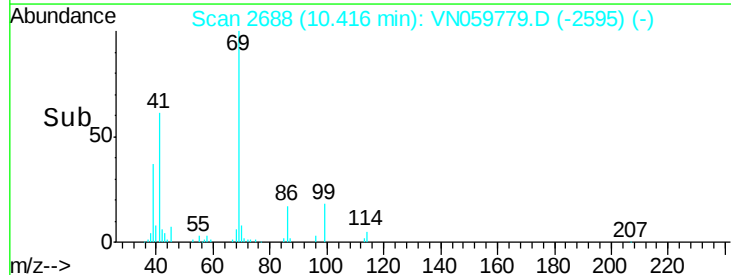
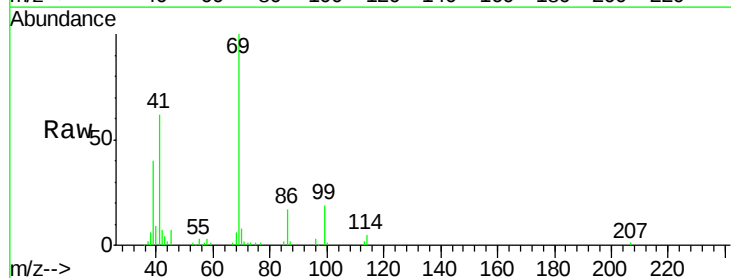
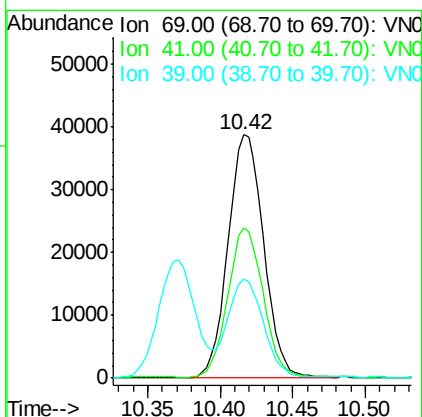
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#56
 Ethyl methacrylate
 Concen: 21.103 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.4	57.1	85.7
39	40.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 22.392 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 76 Resp: 73016

Ion Ratio Lower Upper

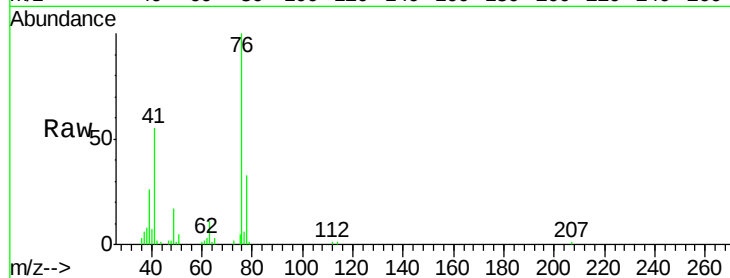
76 100

78 32.7 25.8 38.8

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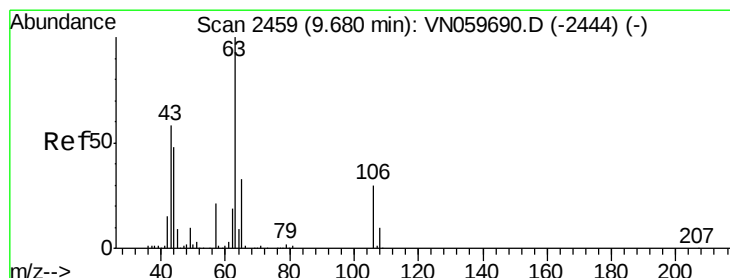
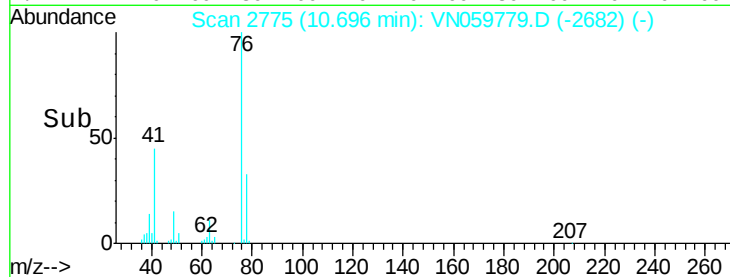
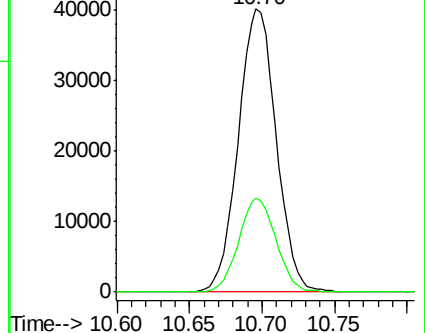
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 109.377 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059779.D

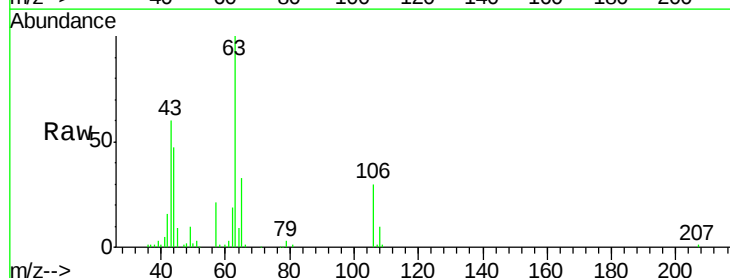
Acq: 20 Jan 2020 11:51

Tgt Ion: 63 Resp: 103391

Ion Ratio Lower Upper

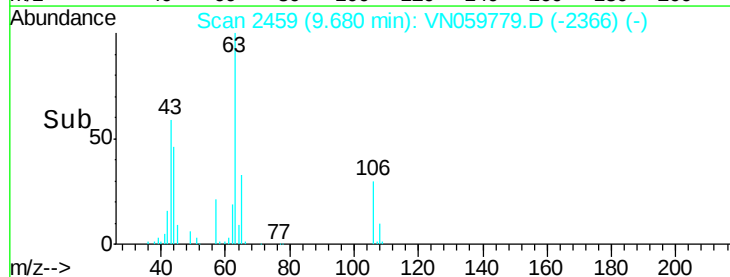
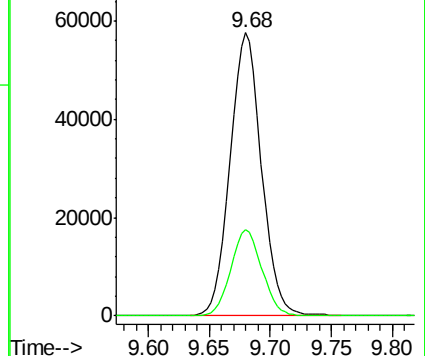
63 100

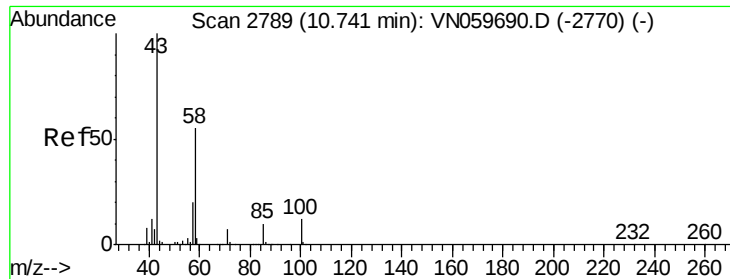
106 30.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





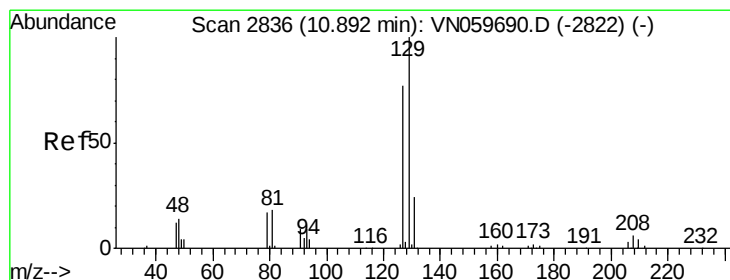
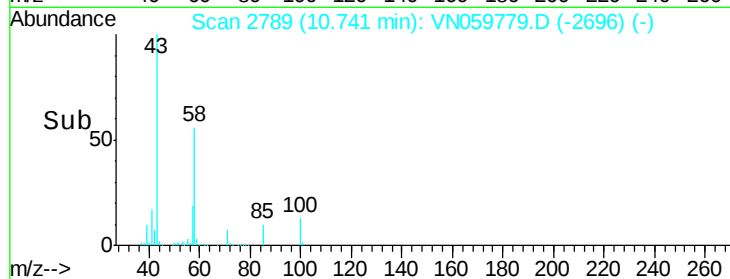
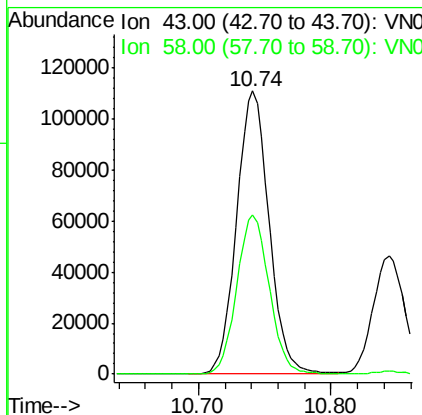
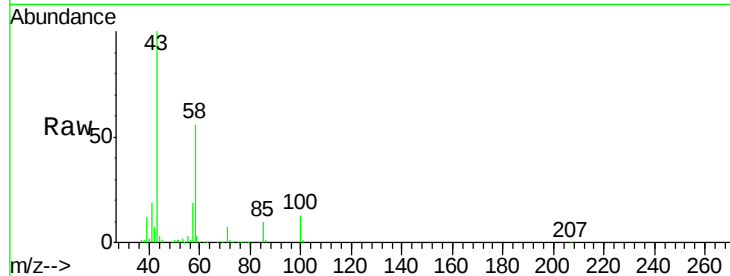
#59
2-Hexanone
Concen: 99.816 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion: 43 Resp: 188778
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3

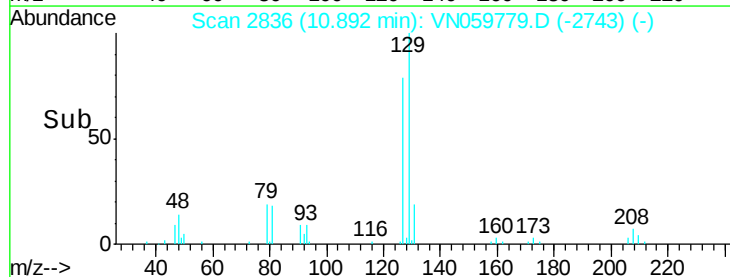
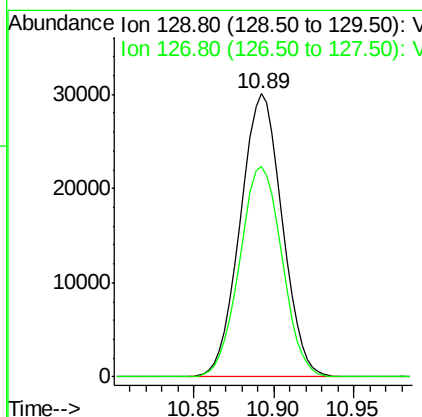
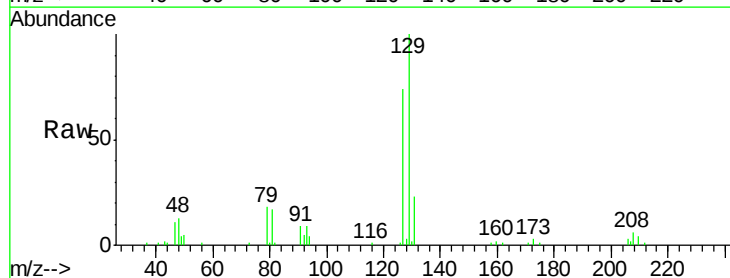
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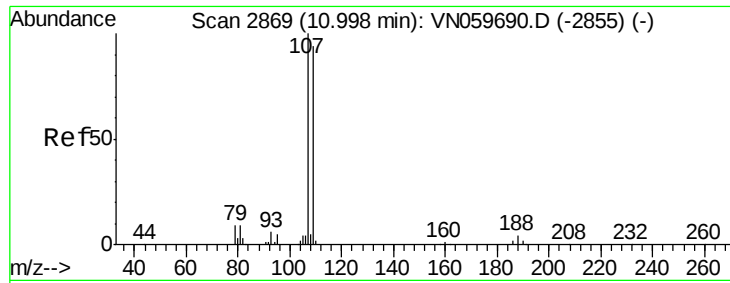
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#60
Dibromochloromethane
Concen: 22.991 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion: 129 Resp: 53773
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.5





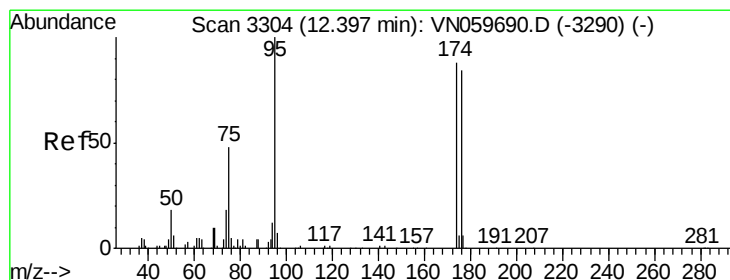
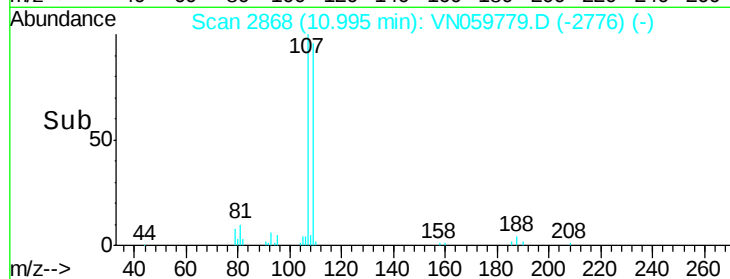
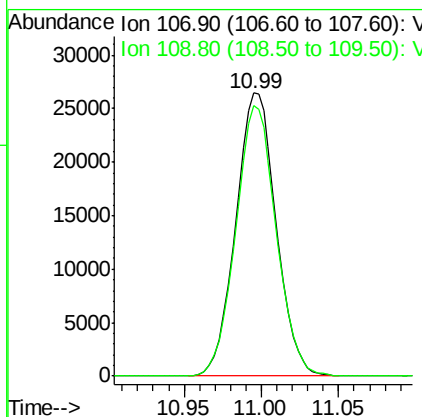
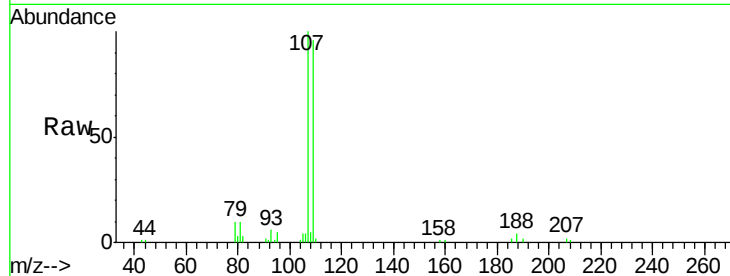
#61
 1,2-Dibromoethane
 Concen: 22.258 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion: 107 Resp: 47914
 Ion Ratio Lower Upper
 107 100
 109 95.6 76.6 115.0

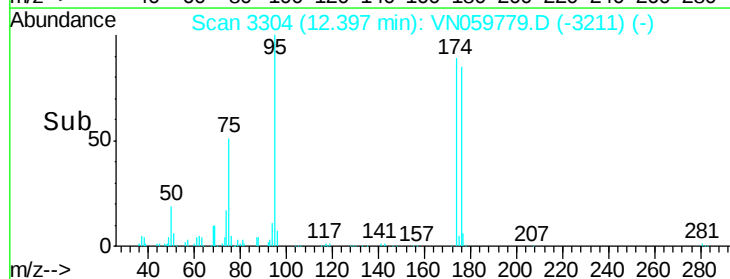
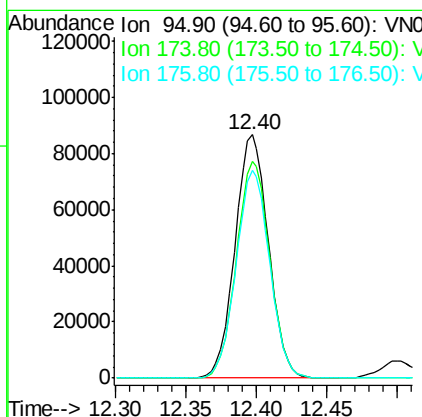
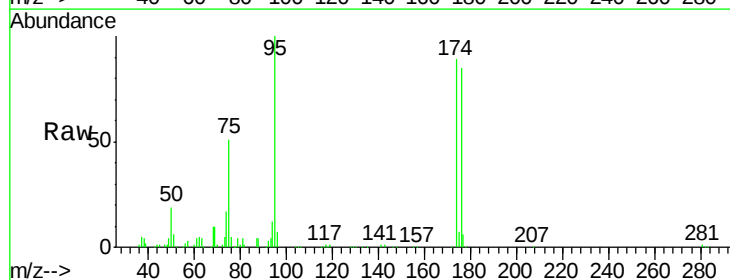
Manual Integrations
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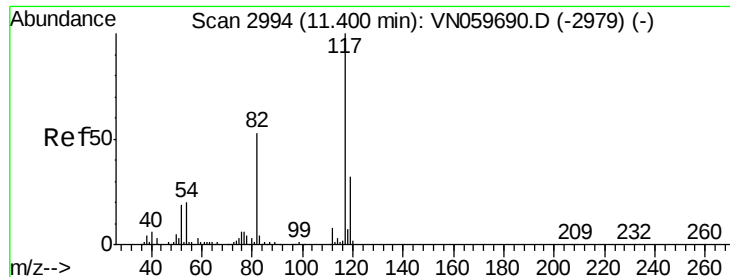
MMDadoda
 1/21/2020 11:00:59 AM



#62
 4-Bromofluorobenzene
 Concen: 54.624 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion: 95 Resp: 143827
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 151.4
 176 85.7 0.0 146.0





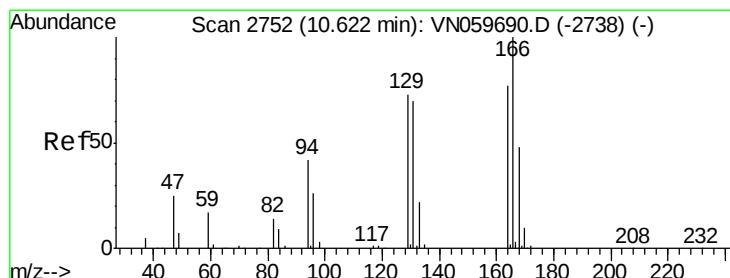
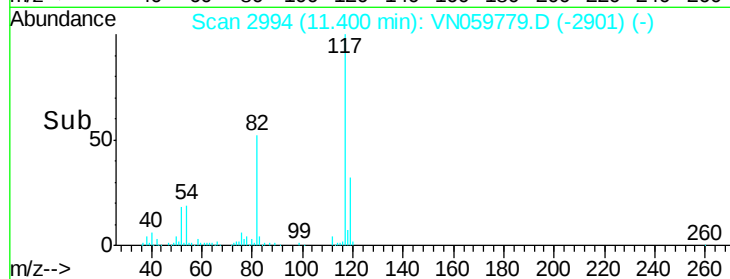
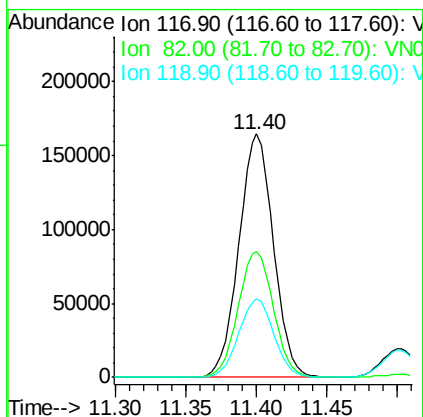
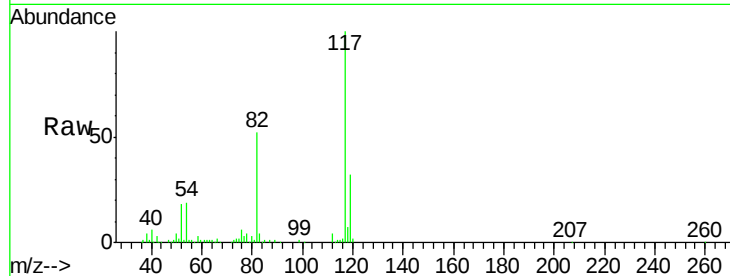
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283269		
82	51.9		45.9	68.9
119	32.3		25.5	38.3

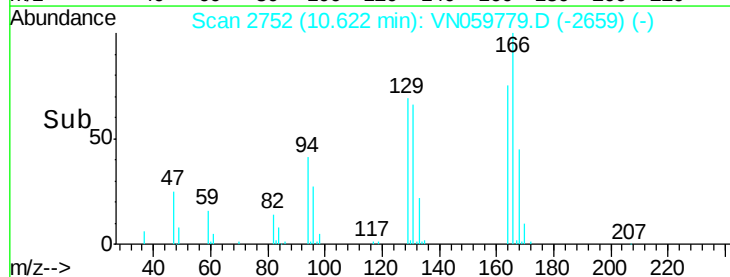
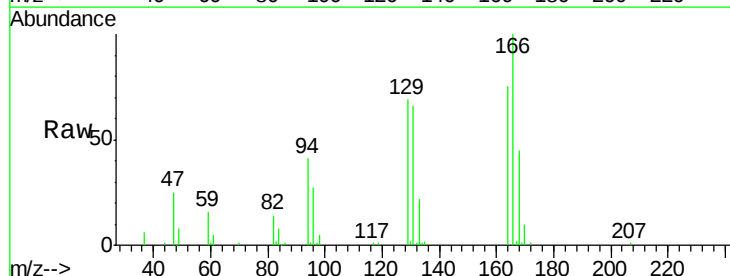
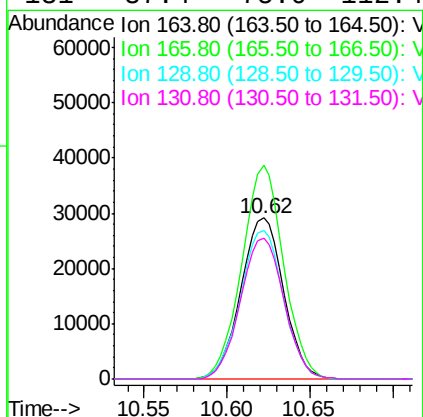
Manual Integrations
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1/21/2020 11:00:59 AM



#64
Tetrachloroethene
Concen: 22.690 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	52384		
166	132.6		101.4	152.0
129	92.1		80.2	120.4
131	87.4		75.0	112.4





#65

Chlorobenzene

Concen: 22.602 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion:112 Resp: 125843

Ion Ratio Lower Upper

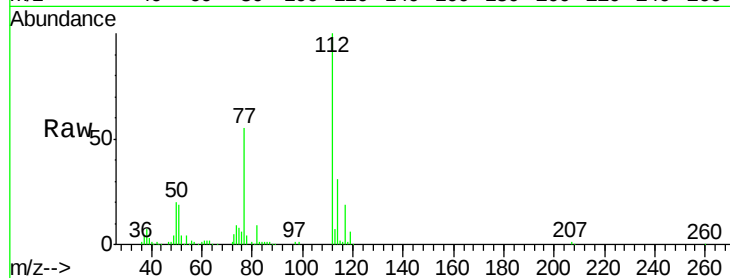
112 100

114 31.5 25.8 38.8

Manual Integrations
APPROVED

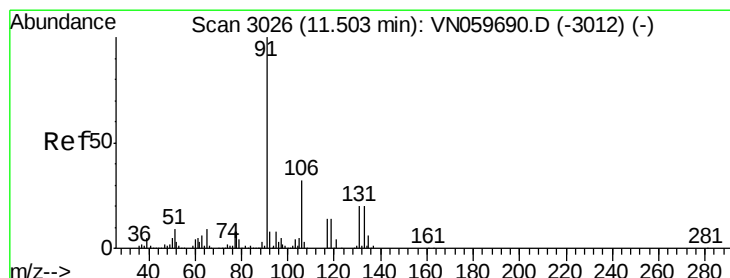
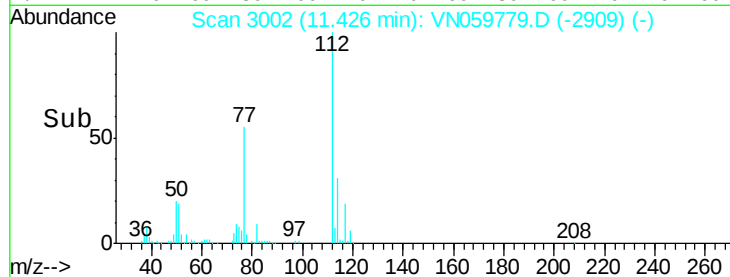
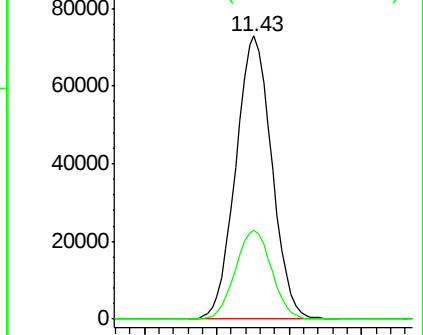
MMDadoda

1/21/2020 11:00:59 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 23.071 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

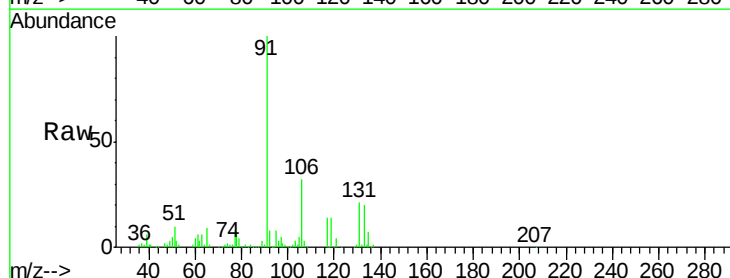
Tgt Ion:131 Resp: 49635

Ion Ratio Lower Upper

131 100

133 93.7 47.4 142.2

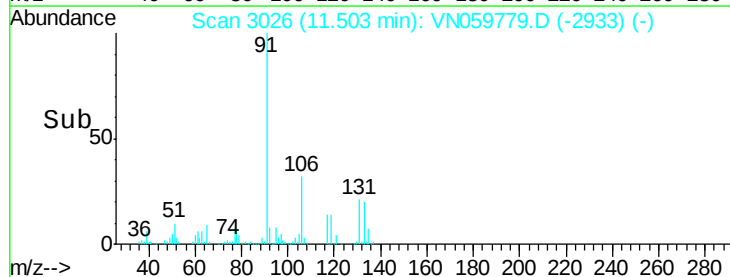
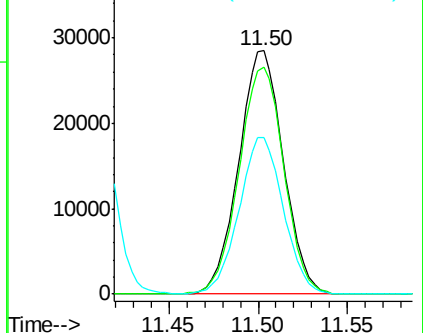
119 64.0 33.1 99.3

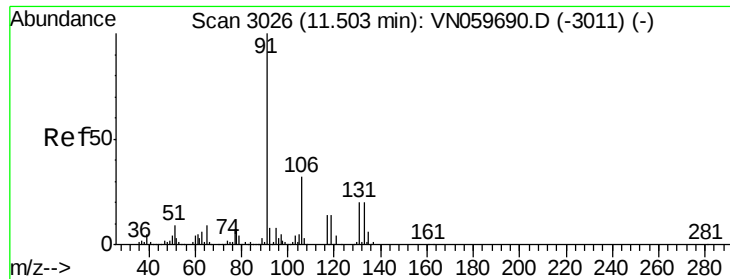


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.128 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 91 Resp: 223655

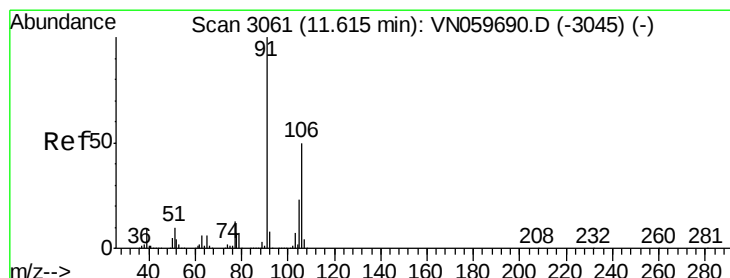
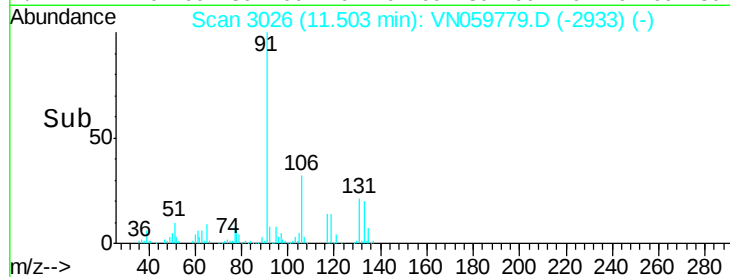
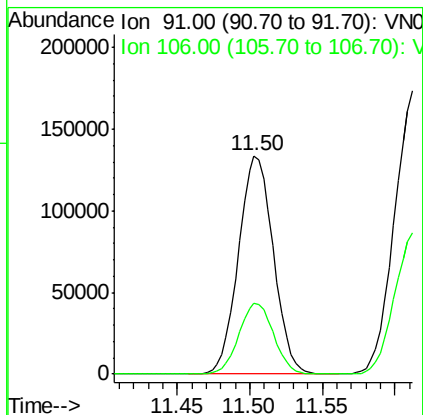
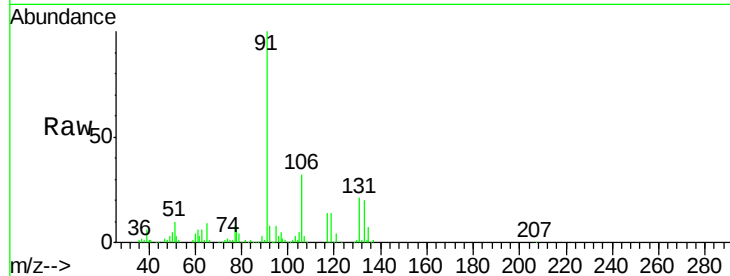
Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 45.062 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059779.D

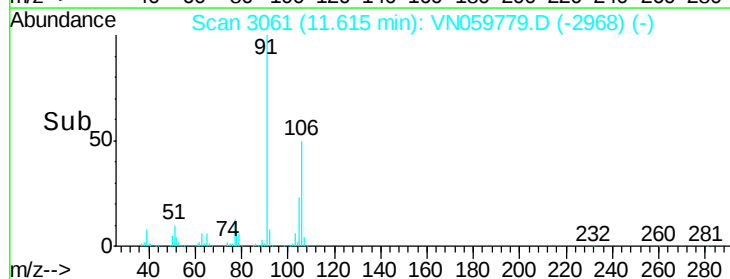
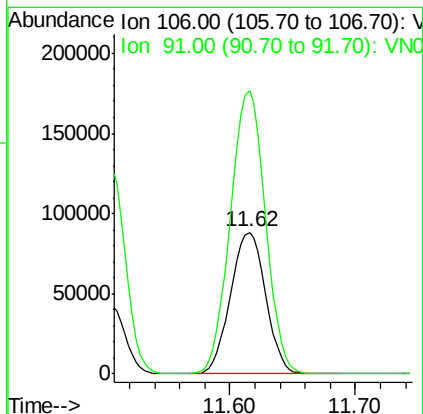
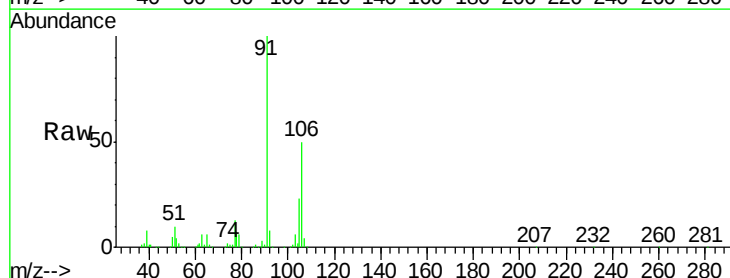
Acq: 20 Jan 2020 11:51

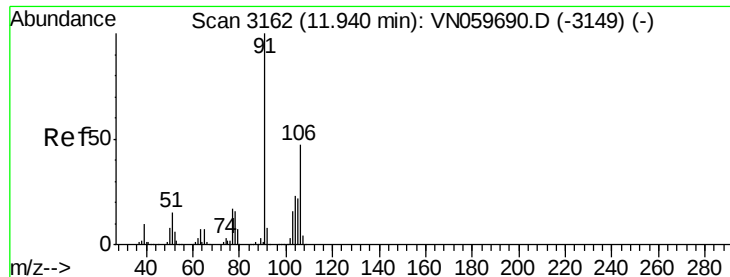
Tgt Ion: 106 Resp: 172043

Ion Ratio Lower Upper

106 100

91 198.3 167.9 251.9





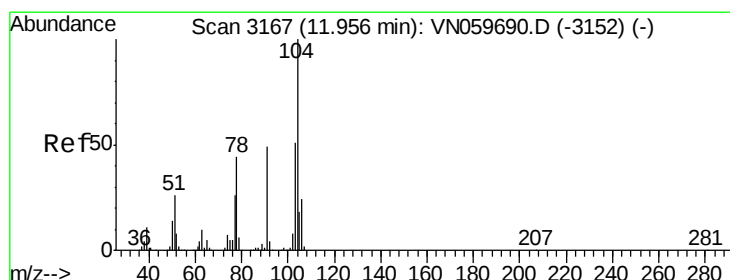
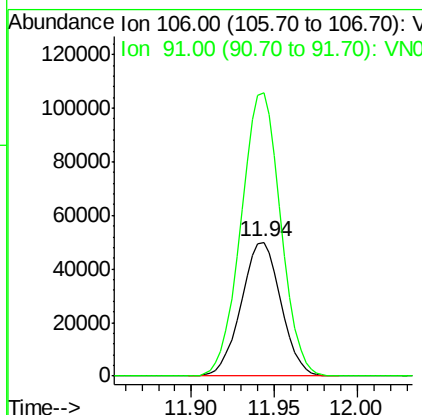
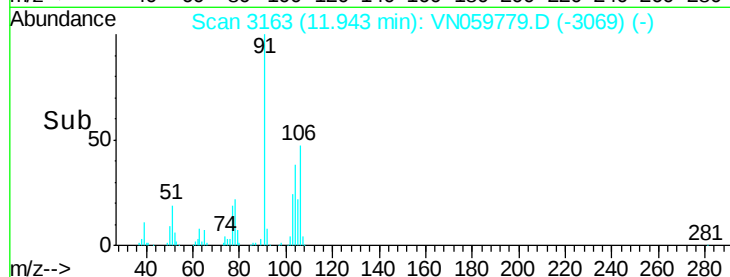
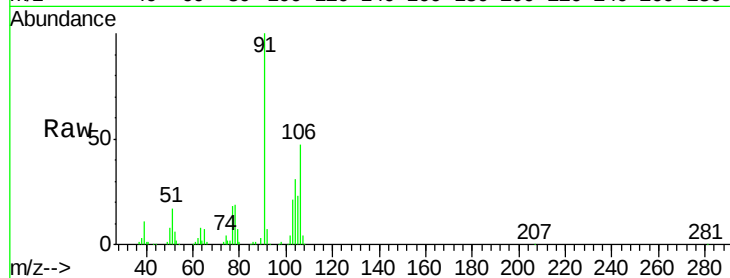
#69
o-Xylene
Concen: 22.301 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0120WBS01

Tot Ion:106 Resp: 83356
Ion Ratio Lower Upper
106 100
91 211.2 110.3 330.9

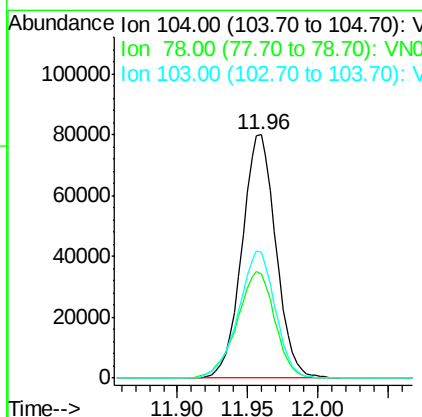
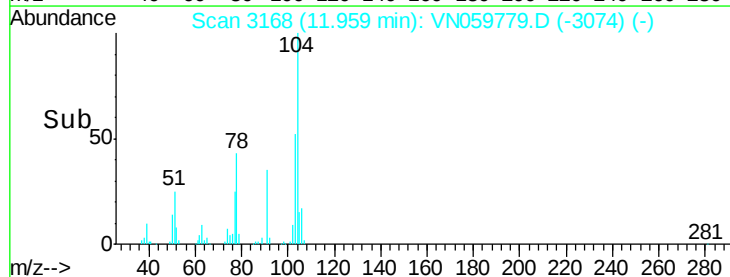
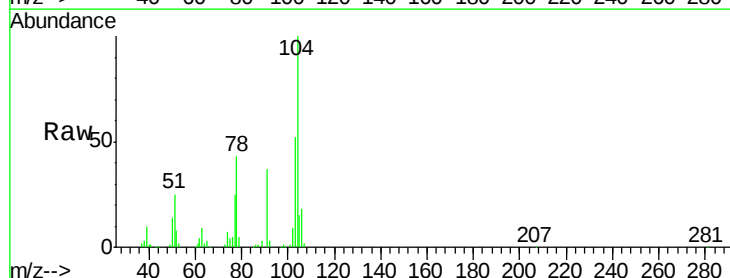
Manual Integrations
APPROVED

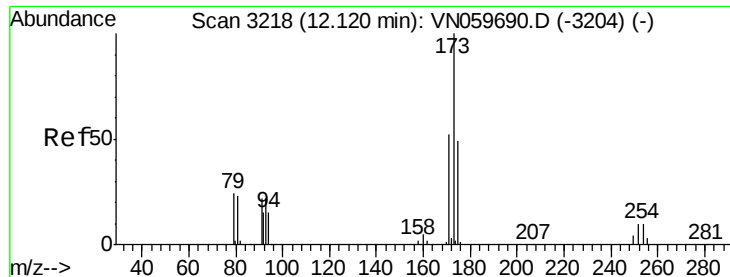
MMDadoda
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#70
Styrene
Concen: 21.590 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion:104 Resp: 135034
Ion Ratio Lower Upper
104 100
78 48.6 42.4 63.6
103 56.1 43.9 65.9





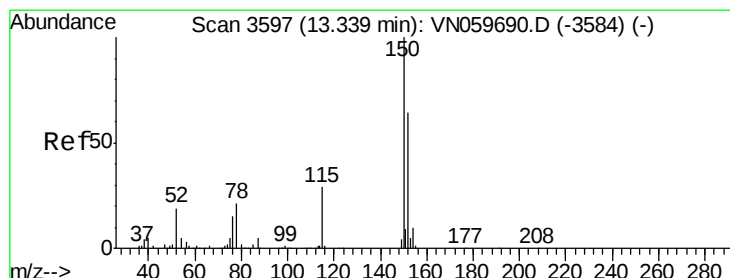
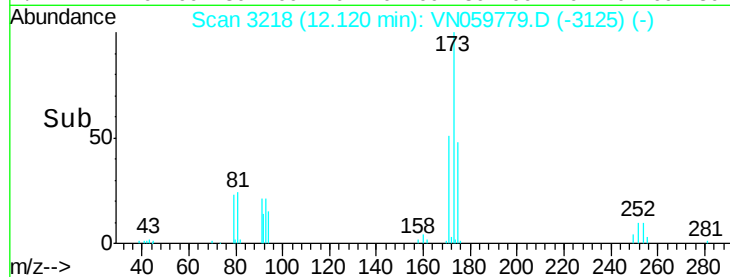
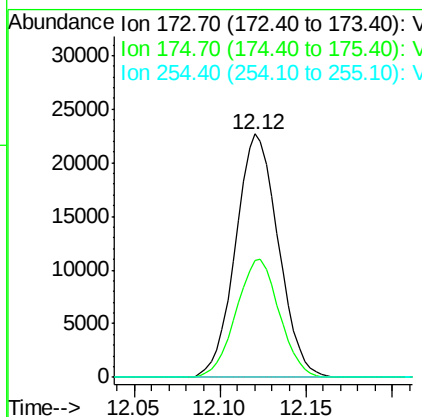
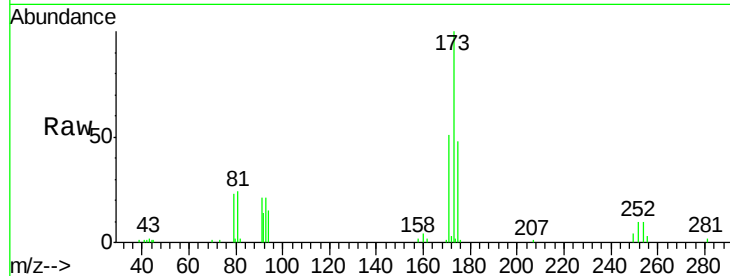
#71
Bromoform
Concen: 22.755 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

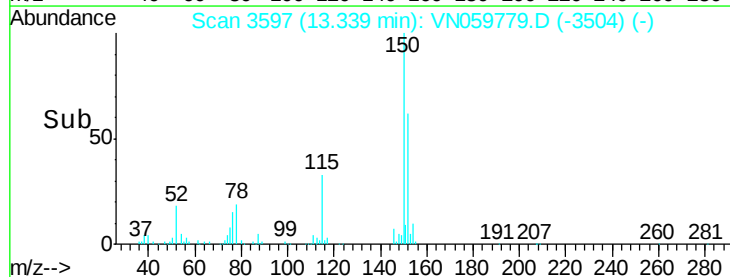
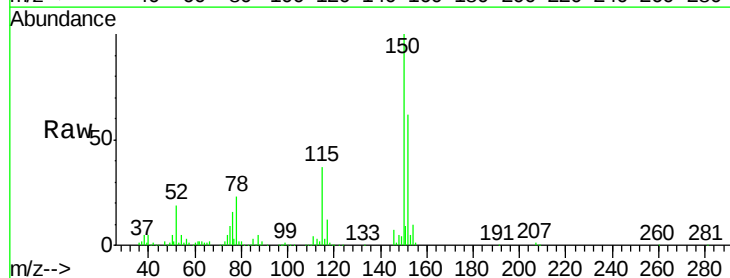
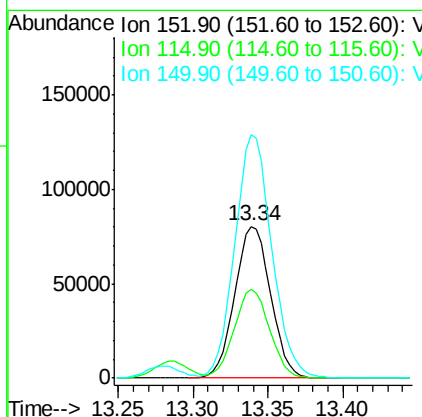
Manual Integrations
APPROVED

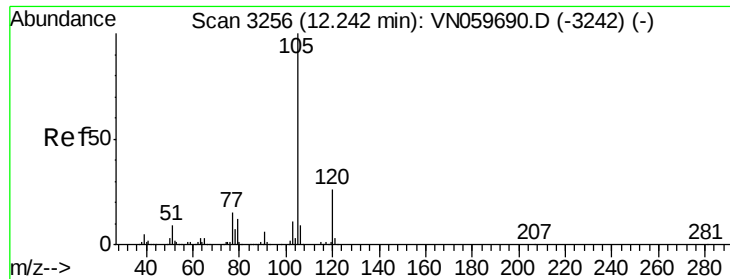
MMDadoda
1/21/2020 11:00:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	165.7	0.0	345.2





#73

Isopropylbenzene

Concen: 22.631 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 105 Resp: 222660

Ion Ratio Lower Upper

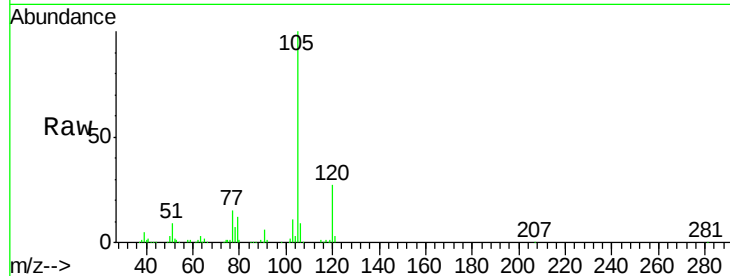
105 100

120 26.9 13.2 39.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

120000

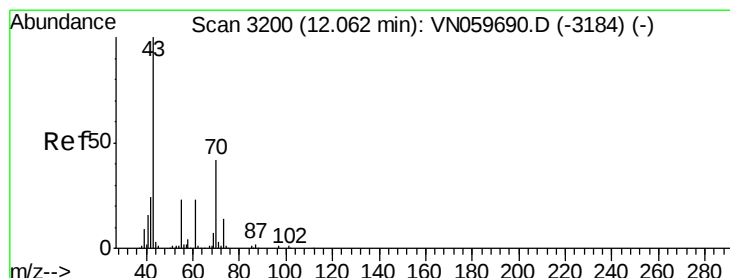
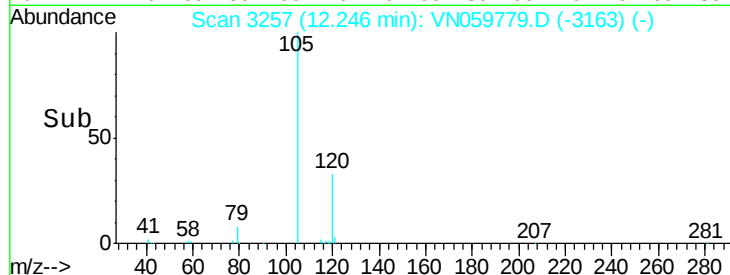
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.152 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion: 43 Resp: 76932

Ion Ratio Lower Upper

43 100

70 42.8 31.3 46.9

55 23.7 19.8 29.6

61 24.7 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

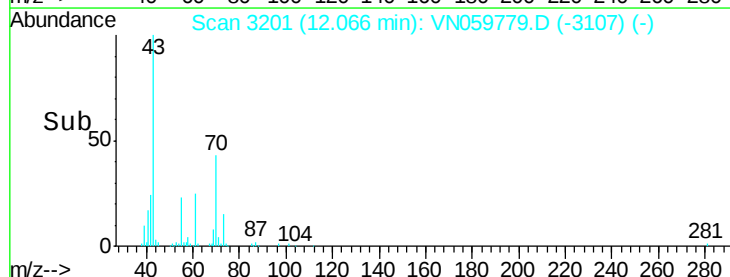
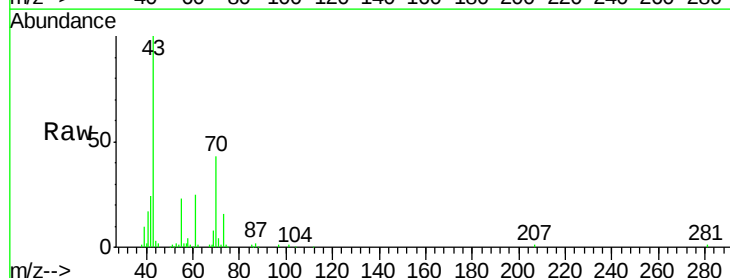
40000

20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.572 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

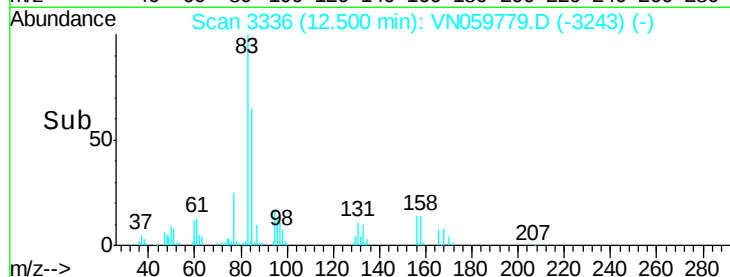
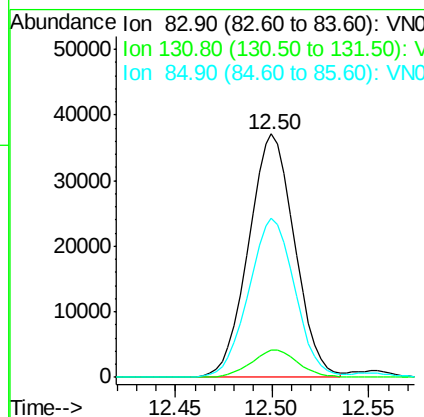
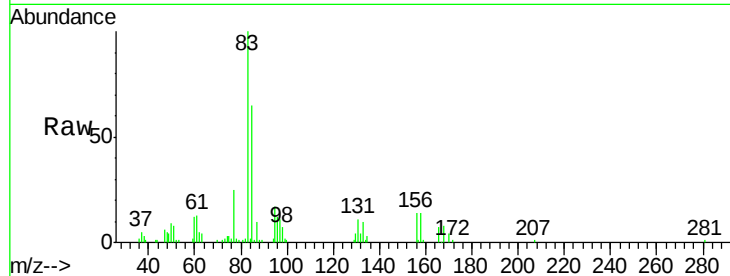
ClientSampled :

VN0120WBS01

Tot Ion:	83	Resp:	61527
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.0	14.9
85	65.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.481 ug/l m

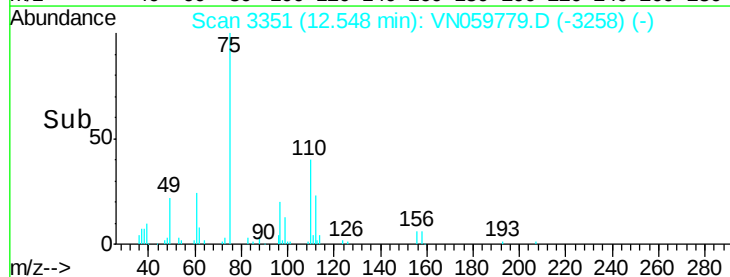
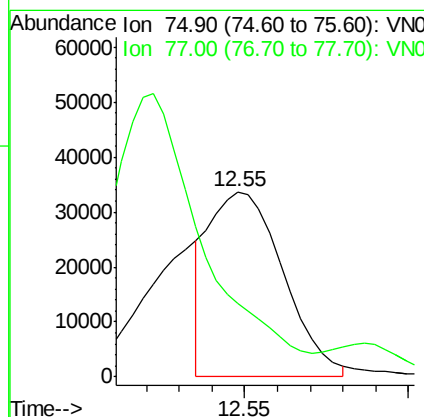
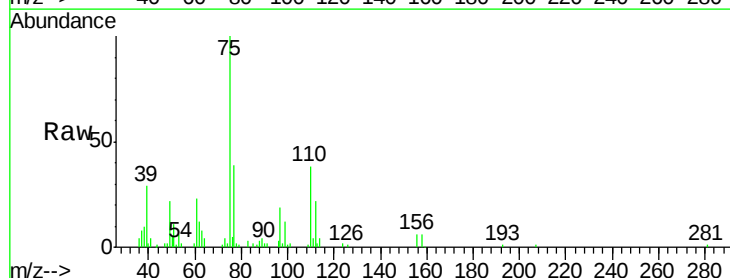
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion:	75	Resp:	53011
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.696 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

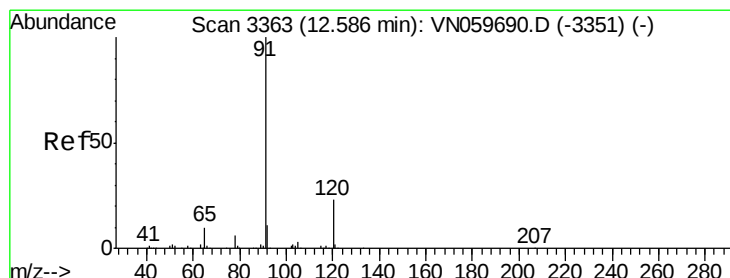
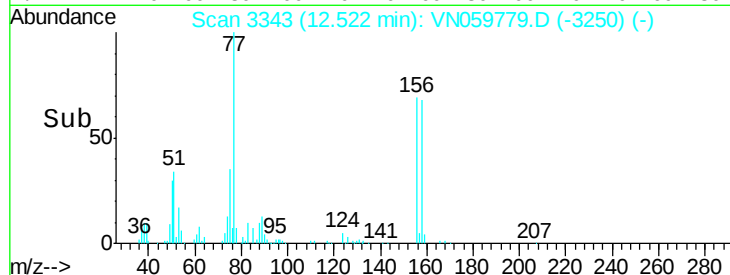
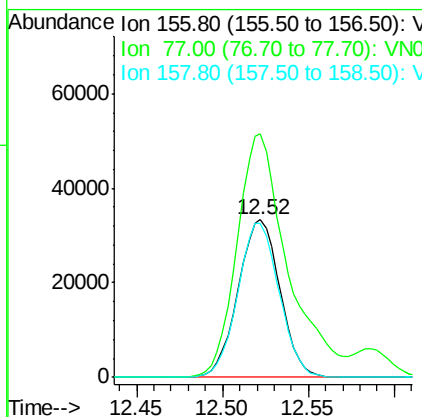
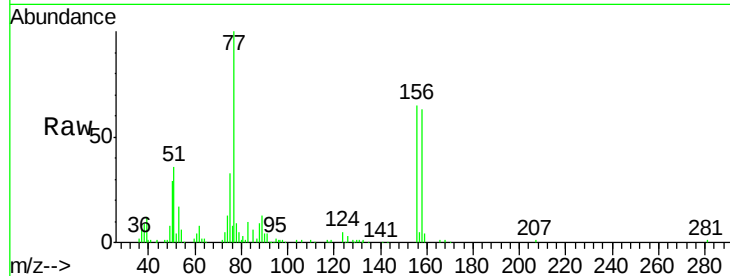
ClientSampleId :

VN0120WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	186.4	115.8	347.4
158	96.7	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.493 ug/l

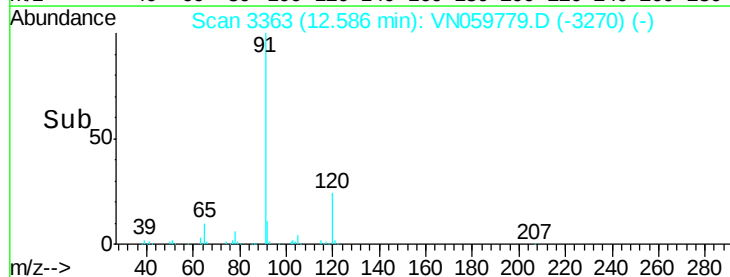
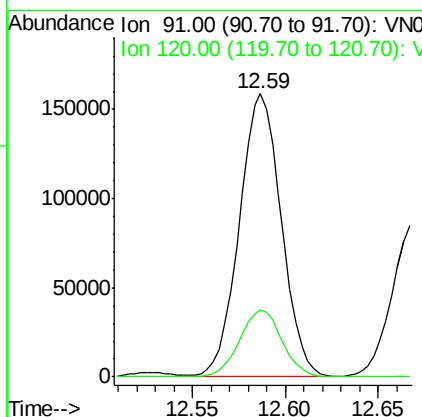
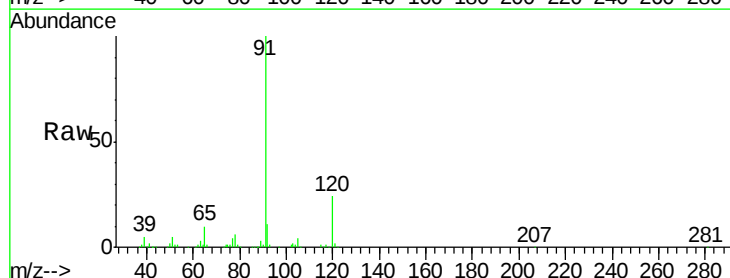
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 22.413 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

ClientSampled :

VN0120WBS01

Tot Ion: 91 Resp: 147242

Ion Ratio Lower Upper

91 100

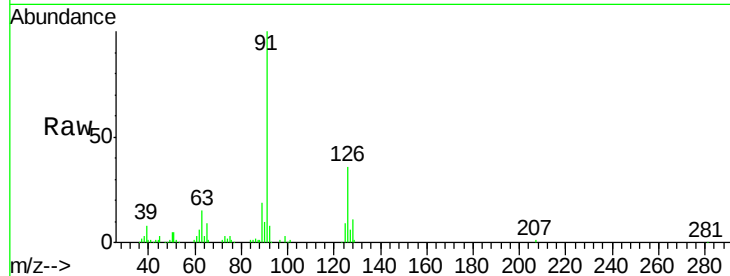
126 36.0 16.3 48.9

Manual Integrations

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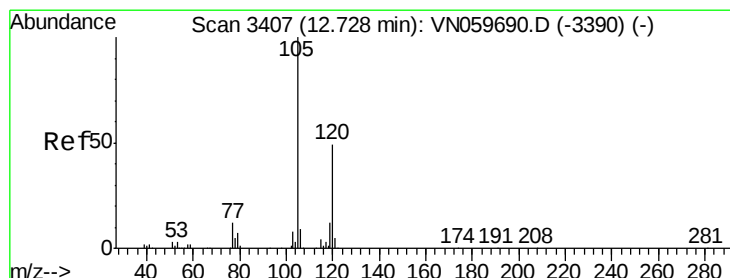
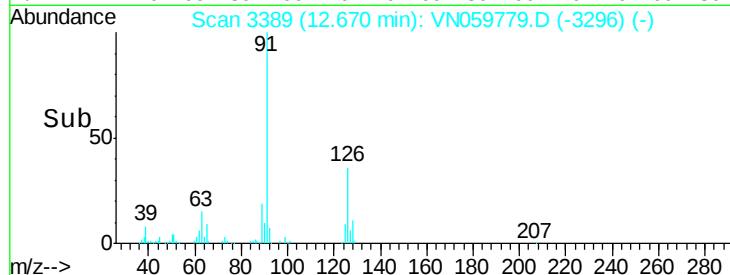
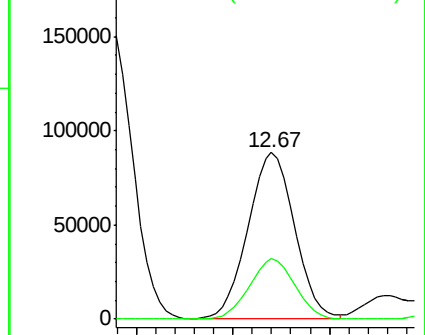
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.694 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059779.D

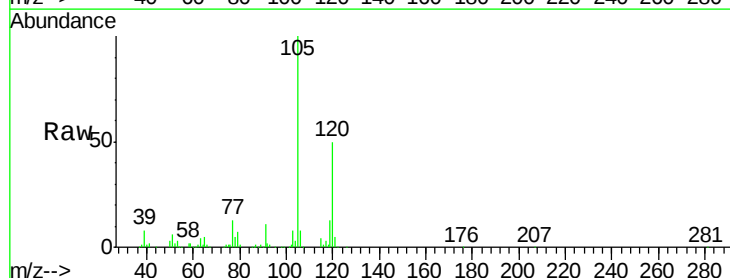
Acq: 20 Jan 2020 11:51

Tgt Ion: 105 Resp: 187773

Ion Ratio Lower Upper

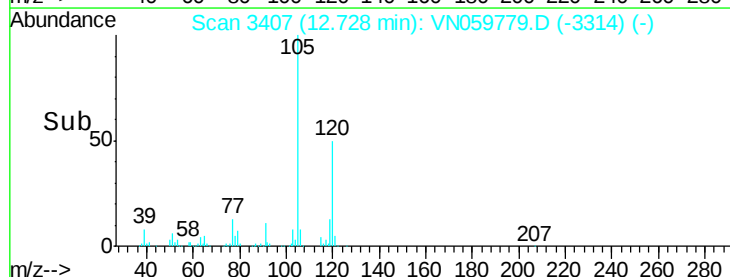
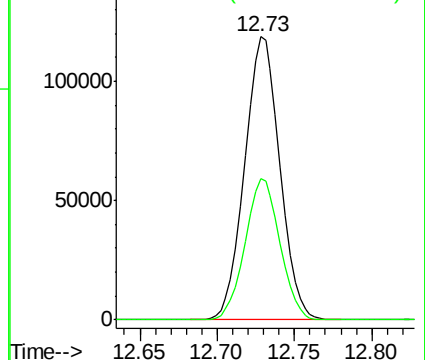
105 100

120 49.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.934 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

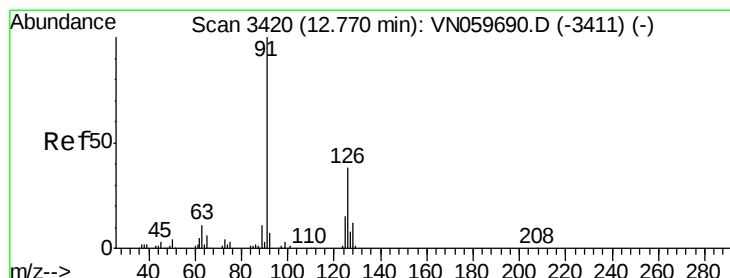
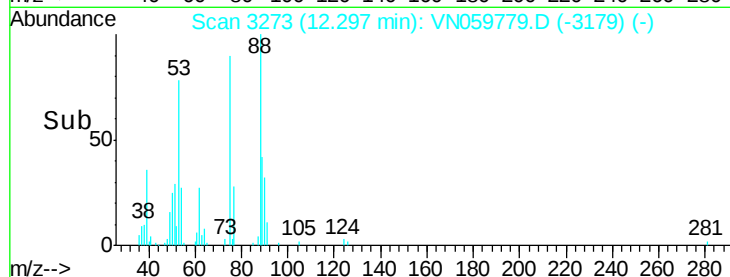
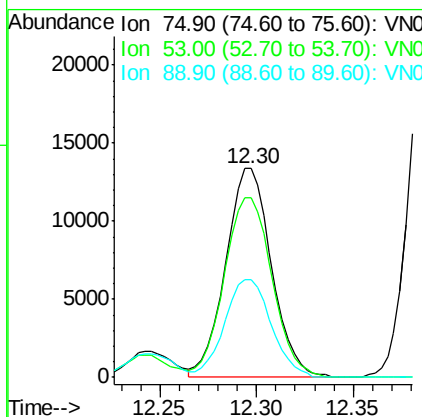
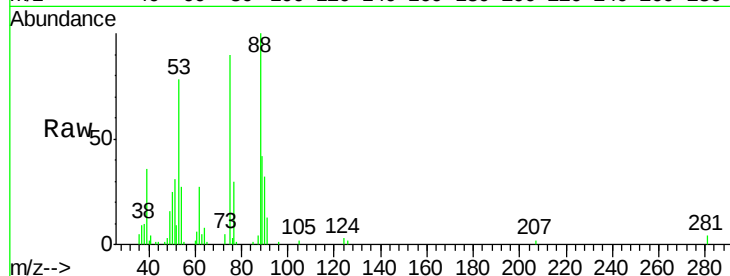
ClientSampleId :

VN0120WBS01

Tot Ion:	75	Resp:	22007
Ion	Ratio	Lower	Upper
75	100		
53	90.0	78.1	117.1
89	48.0	35.4	53.2

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#82

4-Chlorotoluene

Concen: 22.699 ug/l

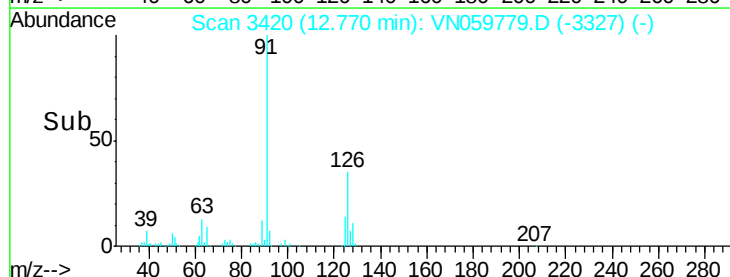
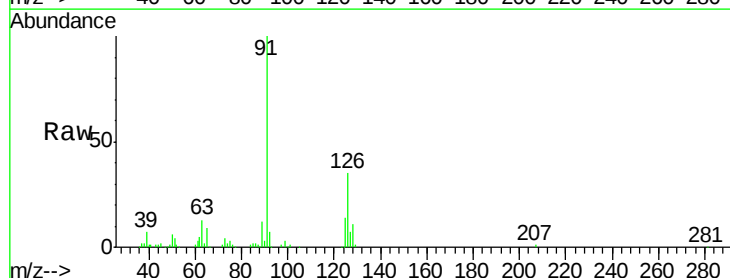
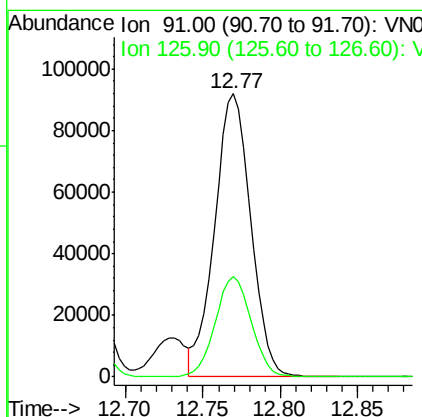
RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Tgt Ion:	91	Resp:	149570
Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





#83

tert-Butylbenzene

Concen: 22.499 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059779.D

Acq: 20 Jan 2020 11:51

Instrument :

MSVOA_N

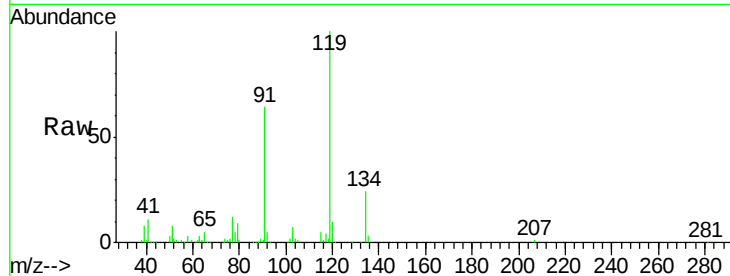
ClientSampleId :

VN0120WBS01

Tot Ion:	119	Resp:	161007
Ion Ratio	Lower	Upper	
119	100		
91	64.4	34.8	104.4
134	25.7	12.3	36.9

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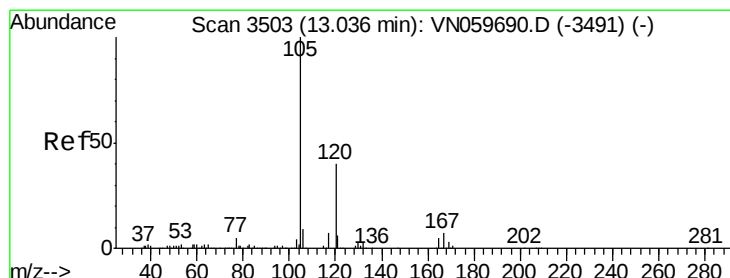
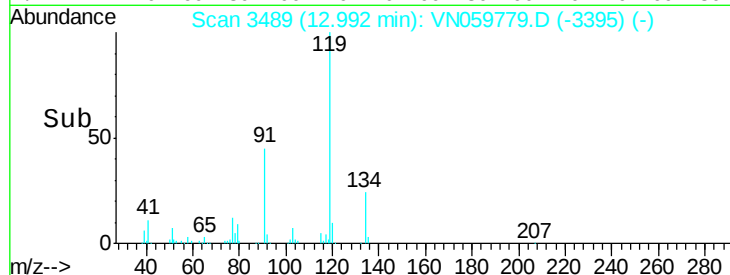
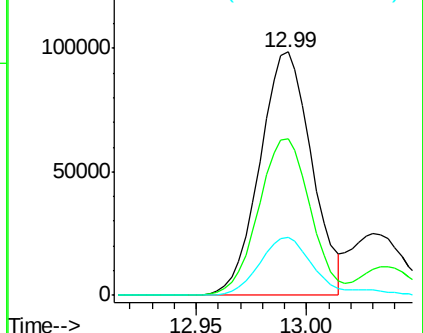
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.822 ug/l

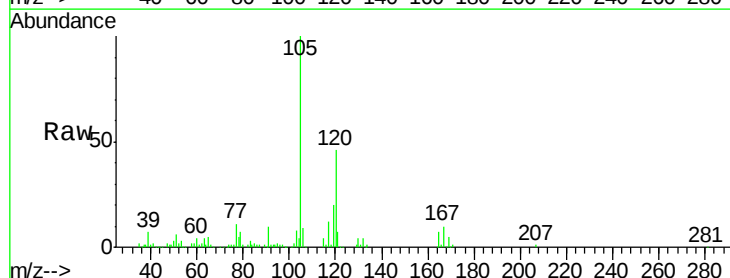
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059779.D

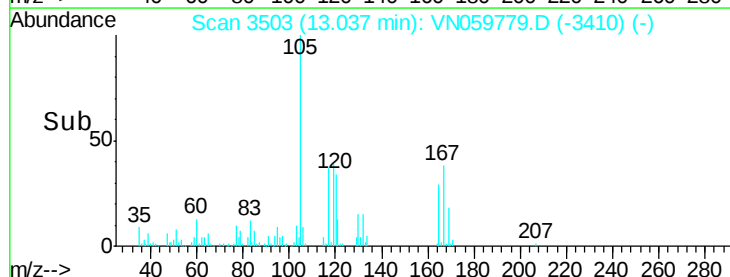
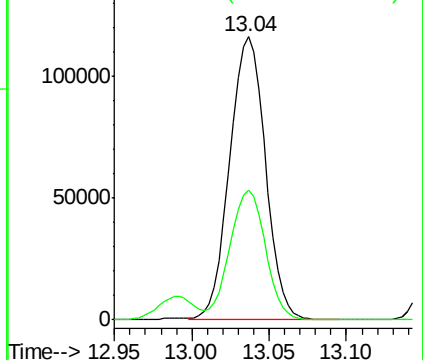
Acq: 20 Jan 2020 11:51

Tgt Ion:	105	Resp:	186813
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





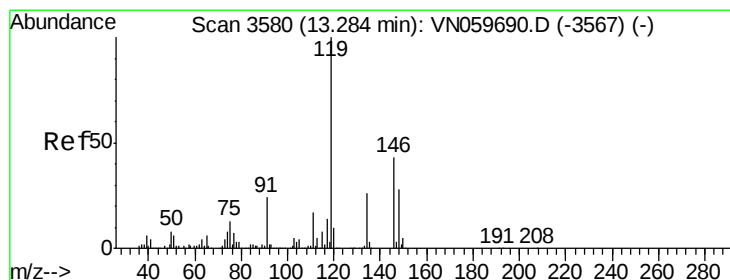
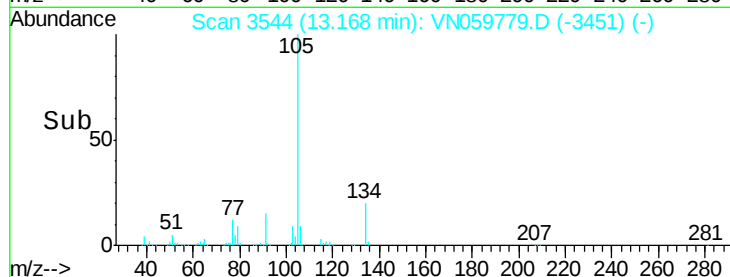
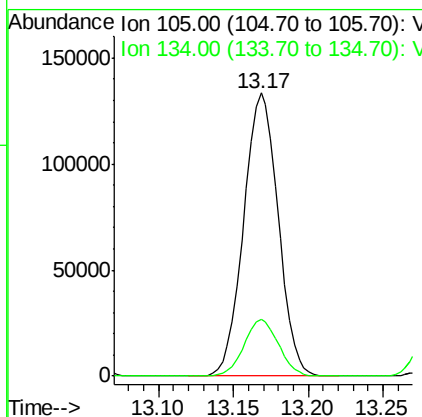
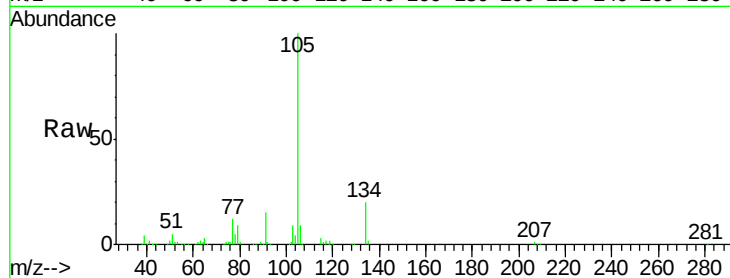
#85
 sec-Butylbenzene
 Concen: 22.824 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampled :
 VN0120WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	214596		
134	19.8	9.8	29.5	

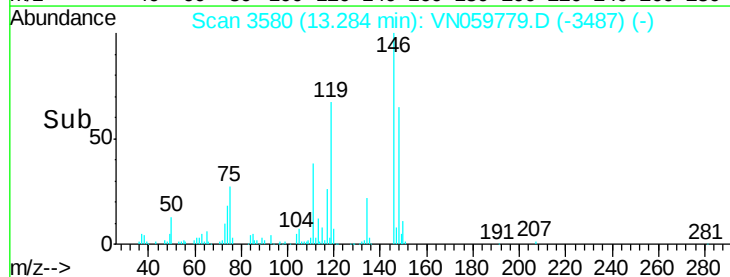
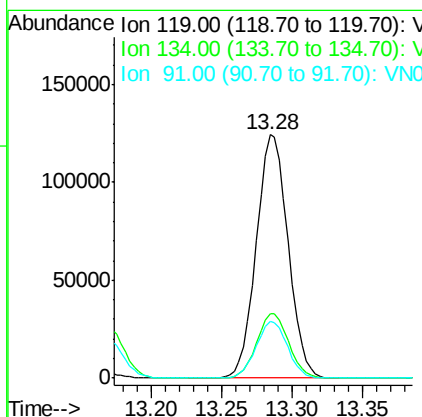
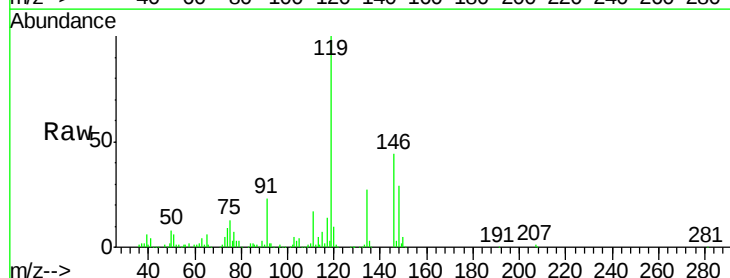
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 22.567 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	196329		
134	26.4	12.9	38.7	
91	23.1	12.4	37.4	





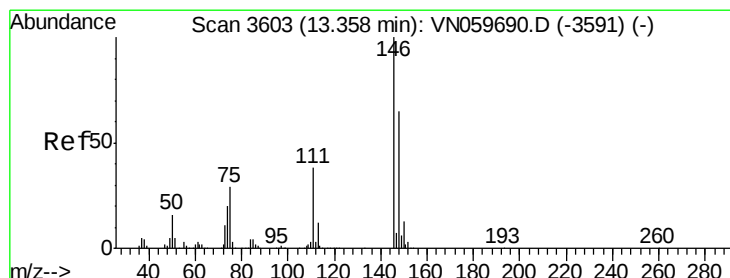
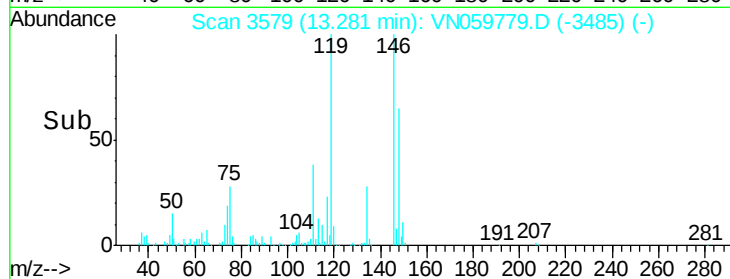
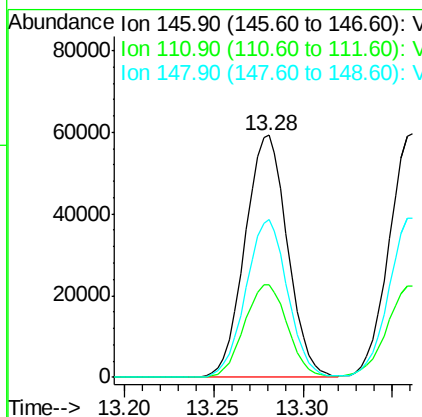
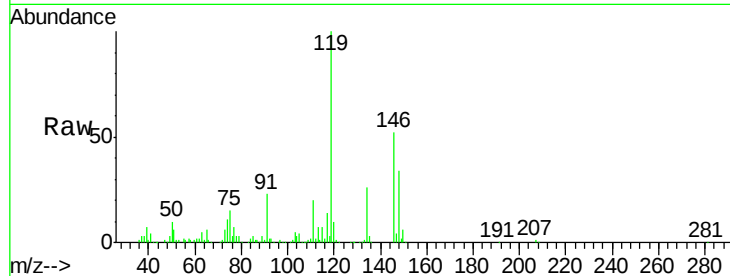
#87
 1,3-Dichlorobenzene
 Concen: 22.793 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	64.2	32.0	96.0

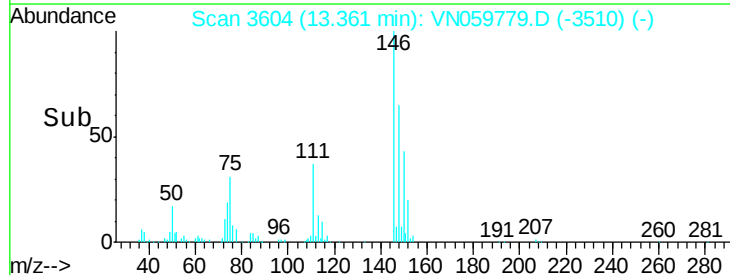
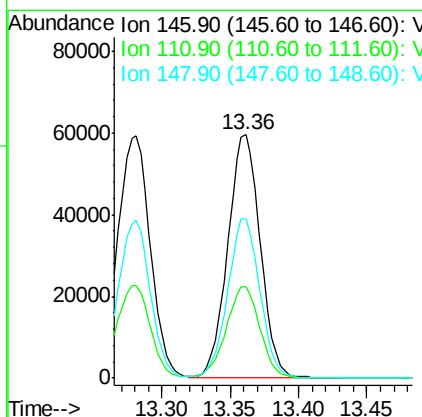
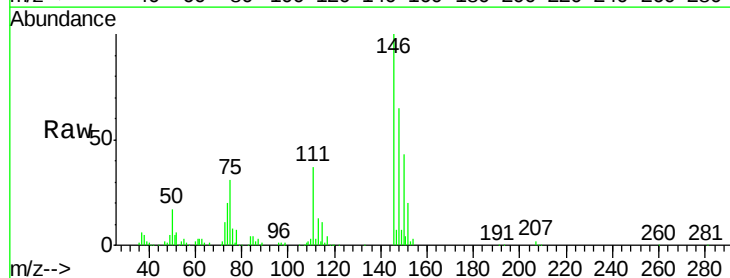
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#88
 1,4-Dichlorobenzene
 Concen: 22.797 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	65.0	31.8	95.4





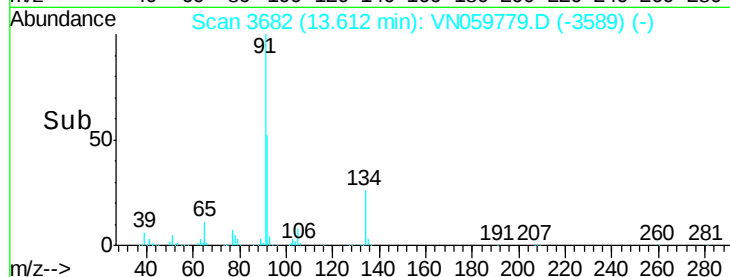
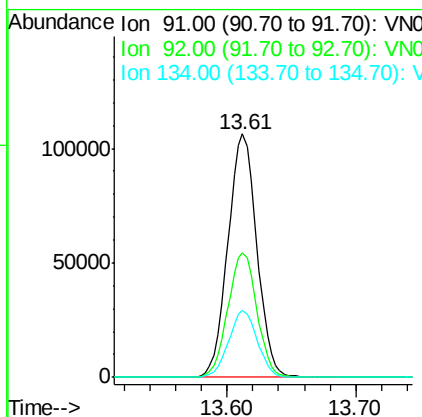
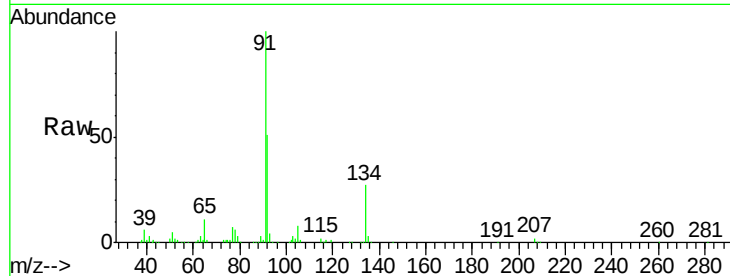
#89
n-Butylbenzene
Concen: 22.311 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampled :
VN0120WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.9	77.7
134	27.0	12.3	36.8

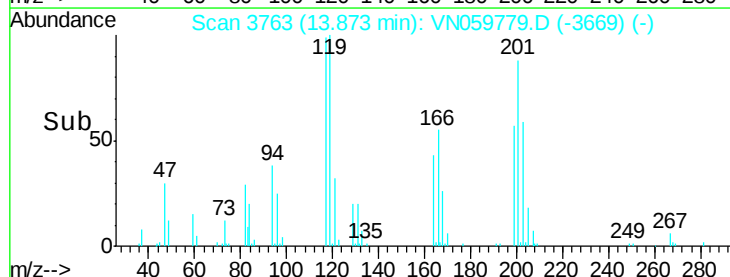
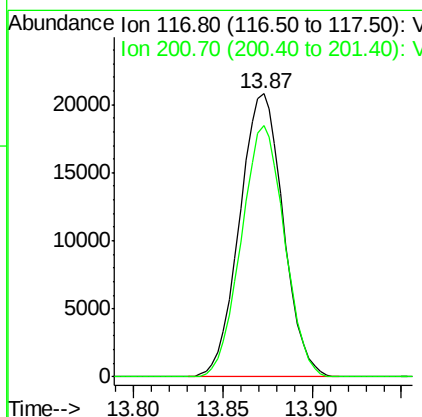
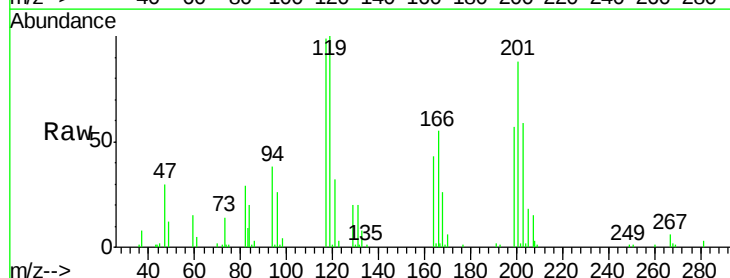
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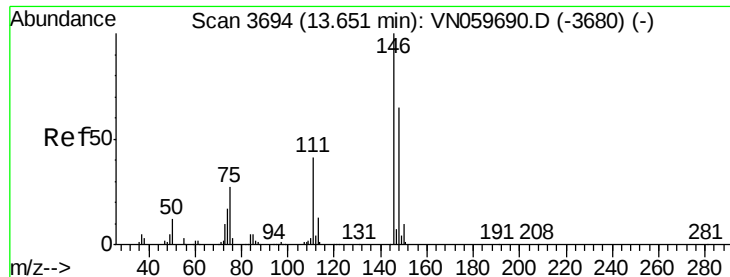
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#90
Hexachloroethane
Concen: 21.867 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	37.8	113.4





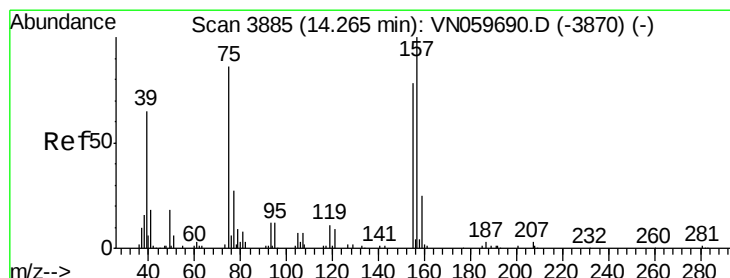
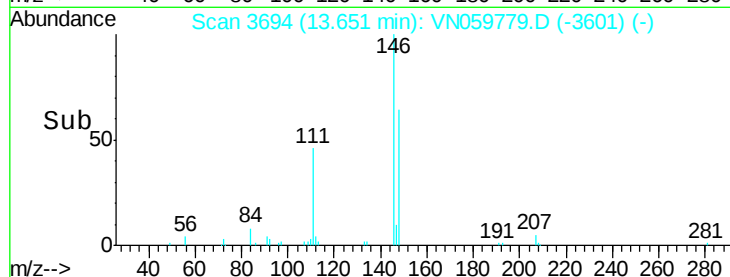
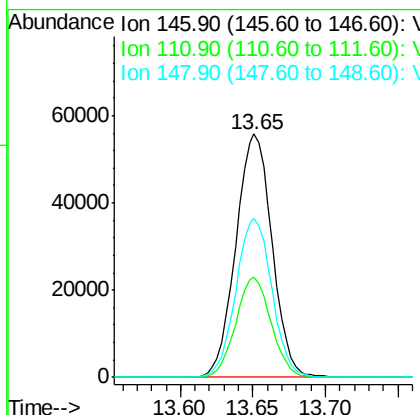
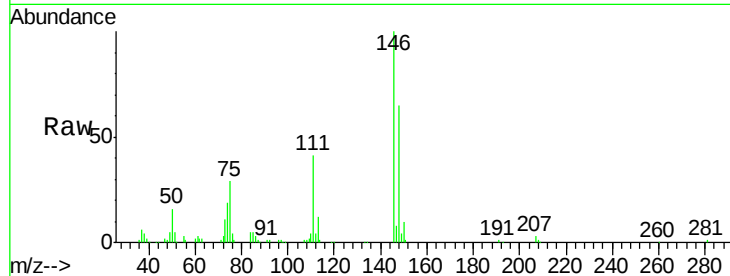
#91
 1,2-Dichlorobenzene
 Concen: 22.593 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	64.8
148	64.8	31.6	95.0

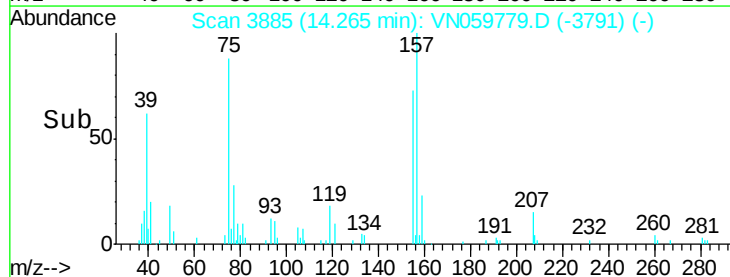
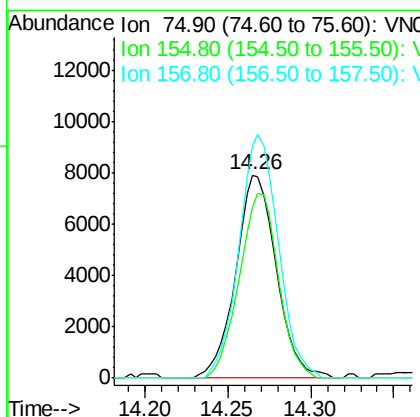
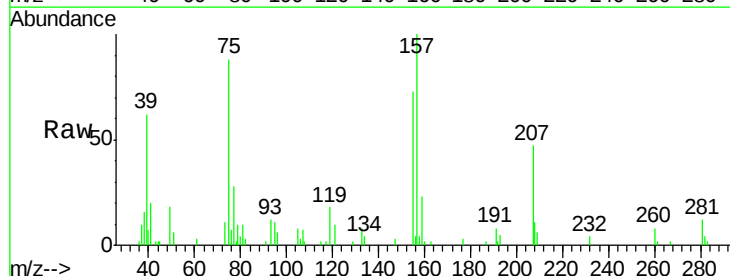
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.900 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	37.0	110.9
157	115.6	48.4	145.2





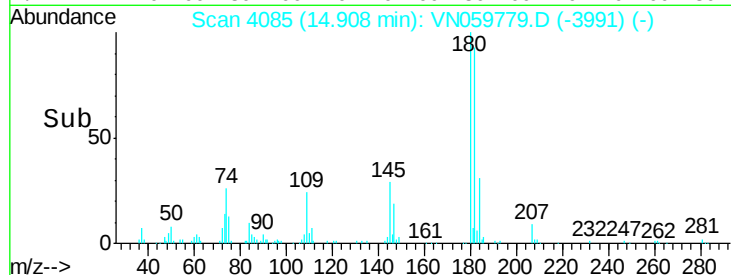
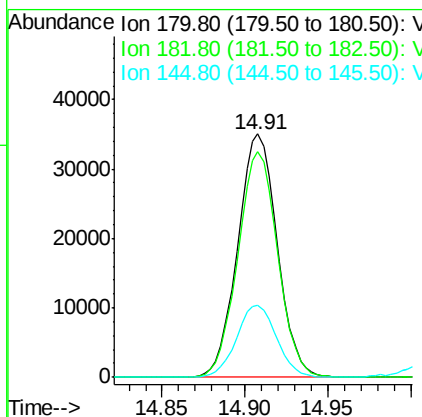
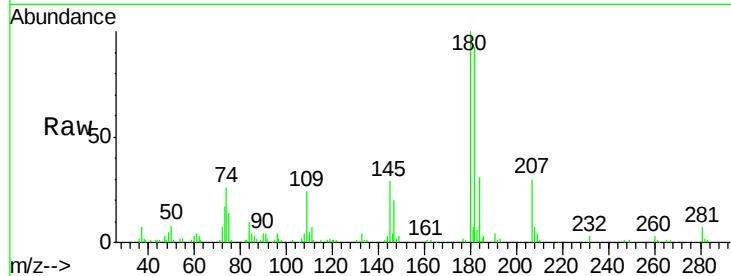
#93
 1,2,4-Trichlorobenzene
 Concen: 22.574 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0120WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.7
145	29.9	15.0	45.1

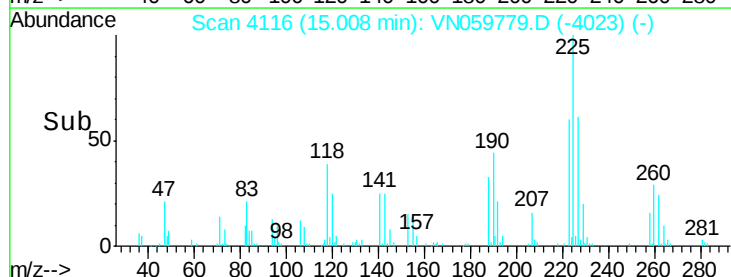
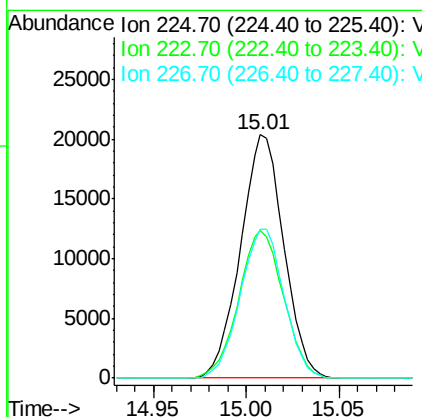
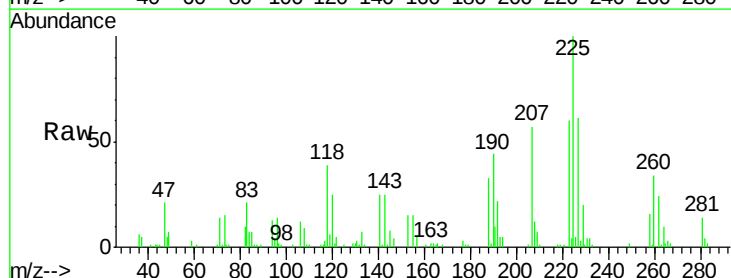
Manual Integrations
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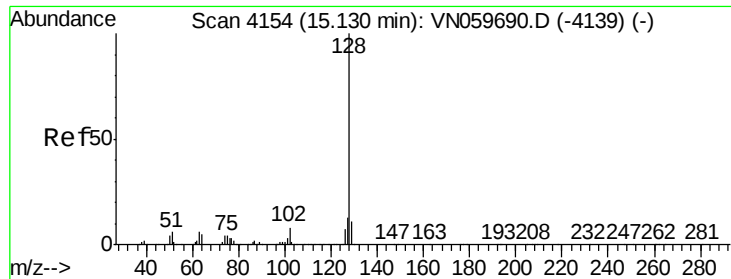
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#94
 Hexachlorobutadiene
 Concen: 23.275 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059779.D
 Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.8	95.3
227	62.0	32.1	96.5





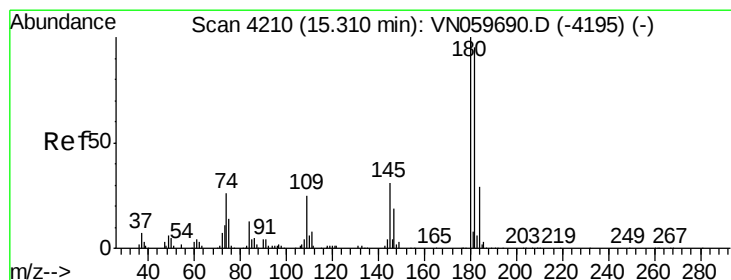
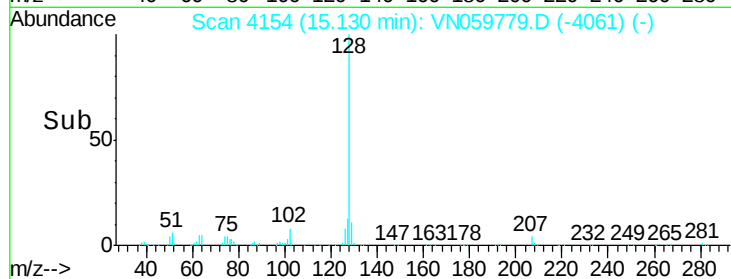
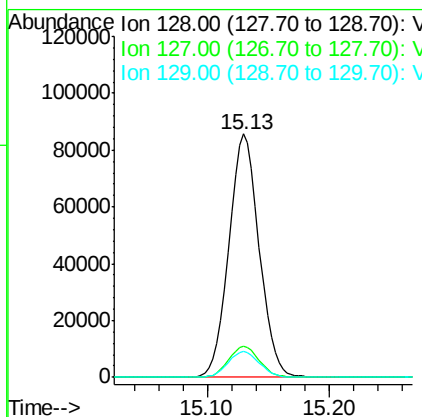
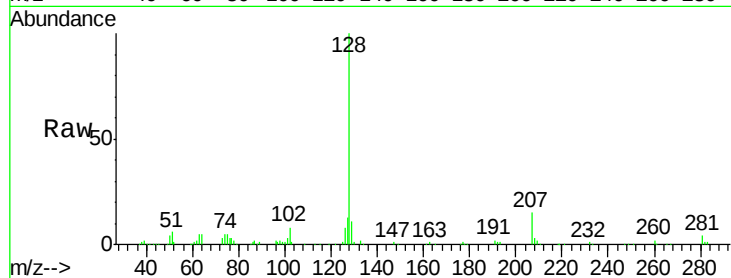
#95
Naphthalene
Concen: 20.267 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN0120WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148204		
127	12.8	10.4	15.6	
129	10.9	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.060 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN059779.D
Acq: 20 Jan 2020 11:51

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55203		
182	93.9	47.4	142.3	
145	30.6	16.3	48.9	

