

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059622.D
 Acq On : 17 Dec 2019 14:15
 Operator : JC/SP
 Sample : VN1217WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:05 AM

Quant Time: Dec 18 06:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	244348	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	398773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	166816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	177373	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.56	113	121925	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.08	98	483352	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	170583	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	56125	17.775	ug/l	99
3) Chloromethane	2.04	50	100772	20.112	ug/l	100
4) Vinyl Chloride	2.17	62	95080	20.010	ug/l	97
5) Bromomethane	2.55	94	53749	19.458	ug/l	100
6) Chloroethane	2.69	64	55705	20.859	ug/l	98
7) Trichlorofluoromethane	3.00	101	102462	19.654	ug/l	97
8) Diethyl Ether	3.38	74	31642	19.425	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51095	19.448	ug/l	99
10) Methyl Iodide	3.93	142	64914	18.664	ug/l	98
11) Tert butyl alcohol	4.74	59	51093	78.380	ug/l	99
12) 1,1-Dichloroethene	3.71	96	49513	19.319	ug/l	98
13) Acrolein	3.58	56	31206	67.205	ug/l	98
14) Allyl chloride	4.29	41	99131m	18.842	ug/l	
15) Acrylonitrile	4.95	53	155673	98.729	ug/l	100
16) Acetone	3.78	43	168027	79.596	ug/l	98
17) Carbon Disulfide	4.03	76	156044	18.225	ug/l	100
18) Methyl Acetate	4.29	43	83098	18.786	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	179462	19.832	ug/l	96
20) Methylene Chloride	4.52	84	61358	20.125	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	55216	19.326	ug/l	96
22) Diisopropyl ether	5.92	45	199234	20.541	ug/l	95
23) Vinyl Acetate	5.86	43	829963	109.035	ug/l	99
24) 1,1-Dichloroethane	5.82	63	113804	20.713	ug/l	99
25) 2-Butanone	6.80	43	221743	87.841	ug/l	98
26) 2,2-Dichloropropane	6.79	77	100119	20.049	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	64036	20.227	ug/l	100
28) Bromochloromethane	7.17	49	41993	18.487	ug/l	97
29) Tetrahydrofuran	7.18	42	144360	93.859	ug/l	99
30) Chloroform	7.35	83	109238	20.198	ug/l	96
31) Cyclohexane	7.63	56	100477	19.354	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	96009	19.691	ug/l	100
36) 1,1-Dichloropropene	7.77	75	80881	19.449	ug/l	99
37) Ethyl Acetate	6.90	43	93706	19.387	ug/l	99
38) Carbon Tetrachloride	7.75	117	83884	19.439	ug/l	96

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Manual Integrations
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 12/18/2019 10:05:05 AM

Quant Time: Dec 18 06:02:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	91030	19.298	ug/l	99
40) Benzene	8.02	78	241614	19.881	ug/l	100
41) Methacrylonitrile	7.15	41	38591m	19.346	ug/l	
42) 1,2-Dichloroethane	8.10	62	92615	19.899	ug/l	99
43) Isopropyl Acetate	8.14	43	145894	19.415	ug/l	99
44) Trichloroethene	8.82	130	61808	19.416	ug/l	99
45) 1,2-Dichloropropane	9.10	63	65497	19.958	ug/l	97
46) Dibromomethane	9.19	93	43311	20.144	ug/l	98
47) Bromodichloromethane	9.39	83	84943	19.816	ug/l	100
48) Methyl methacrylate	9.18	41	62913	18.453	ug/l	99
49) 1,4-Dioxane	9.18	88	14949	305.964	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	446502	99.656	ug/l	99
52) Toluene	10.14	92	145940	19.544	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	97341	19.634	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	102927	19.751	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	58385	19.925	ug/l	98
56) Ethyl methacrylate	10.42	69	82774	19.029	ug/l	98
57) 1,3-Dichloropropane	10.70	76	103366	20.260	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	150007	108.428	ug/l	100
59) 2-Hexanone	10.74	43	328584	93.052	ug/l	98
60) Dibromochloromethane	10.89	129	62758	19.624	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59986	19.303	ug/l	98
64) Tetrachloroethene	10.62	164	59411	17.581	ug/l	97
65) Chlorobenzene	11.43	112	152747	19.474	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	58339	19.582	ug/l	99
67) Ethyl Benzene	11.51	91	275293	19.444	ug/l	98
68) m/p-Xylenes	11.62	106	204536	39.123	ug/l	100
69) o-Xylene	11.94	106	97856	19.671	ug/l	99
70) Styrene	11.96	104	152094	19.029	ug/l	98
71) Bromoform	12.12	173	43148	19.267	ug/l #	98
73) Isopropylbenzene	12.25	105	260978	19.929	ug/l	99
74) N-amyl acetate	12.07	43	114075	18.991	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	82817	19.937	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	87974m	21.303	ug/l	
77) Bromobenzene	12.52	156	62674	19.462	ug/l	99
78) n-propylbenzene	12.59	91	308009	19.898	ug/l	100
79) 2-Chlorotoluene	12.67	91	183413	19.595	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	218135	19.684	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31736	18.981	ug/l	98
82) 4-Chlorotoluene	12.77	91	188977	19.718	ug/l	99
83) tert-Butylbenzene	12.99	119	182786	19.477	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	219758	19.943	ug/l	99
85) sec-Butylbenzene	13.17	105	247104	19.794	ug/l	99
86) p-Isopropyltoluene	13.29	119	220860	19.534	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111196	18.777	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	110394	18.490	ug/l	99
89) n-Butylbenzene	13.62	91	195906	18.481	ug/l	100
90) Hexachloroethane	13.87	117	42352	19.817	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	110675	18.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18824	17.301	ug/l	96

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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Dec 18 06:02:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61544	16.320	ug/l	100
94) Hexachlorobutadiene	15.01	225	36714	18.985	ug/l	97
95) Naphthalene	15.12	128	174269	15.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	61152	16.033	ug/l	100

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

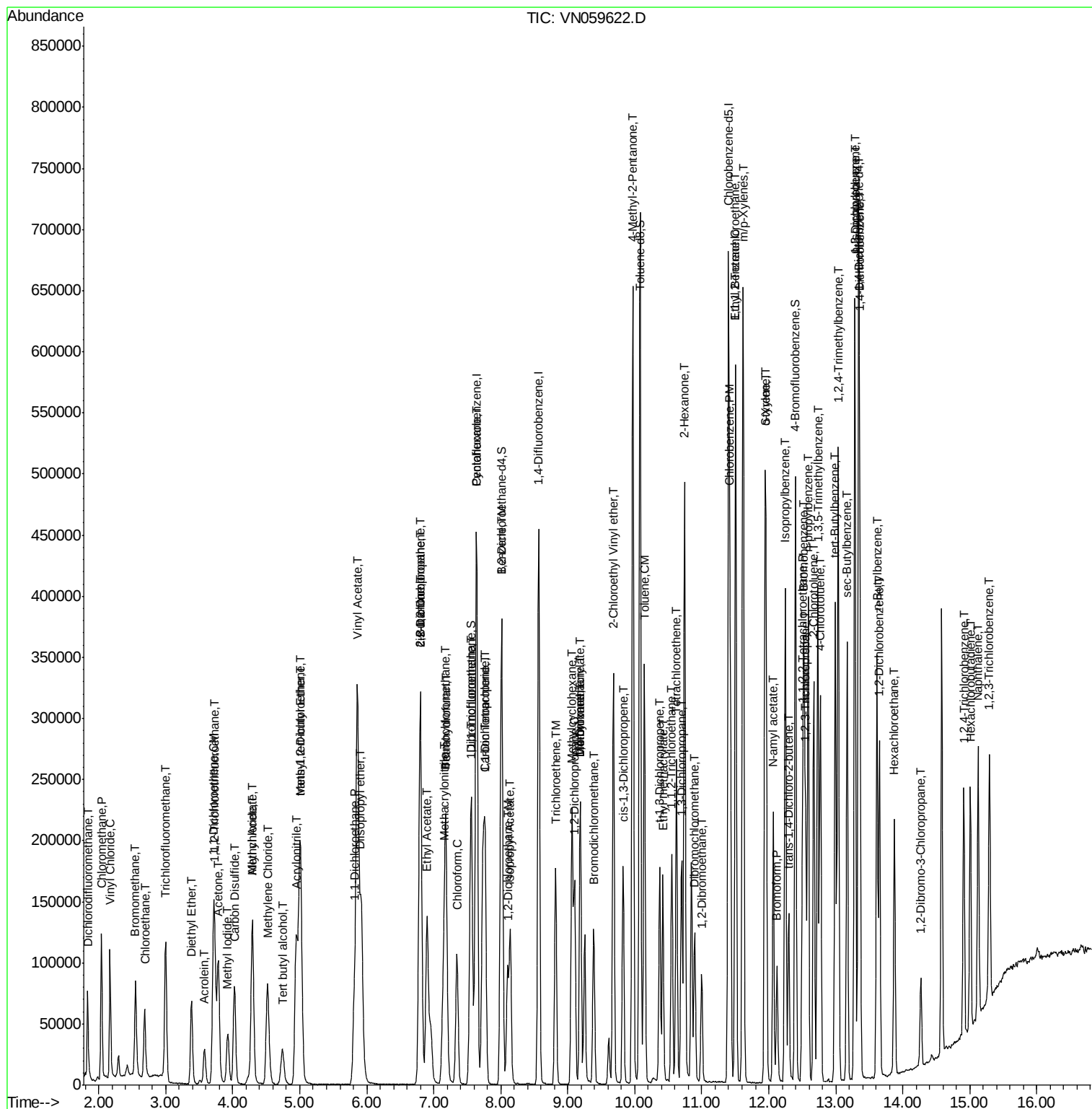
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 Data File : VN059622.D
 Acq On : 17 Dec 2019 14:15
 Operator : JC/SP
 Sample : VN1217WBS01
 Misc : 5.00mL/MSVOA N/WATER
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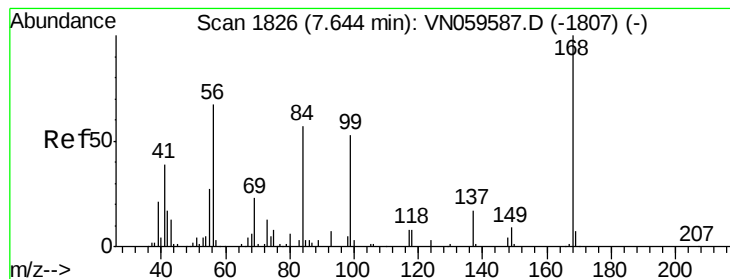
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Manual Integrations
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Quant Time: Dec 18 06:02:03 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:168 Resp: 244348

Ion Ratio Lower Upper

168 100

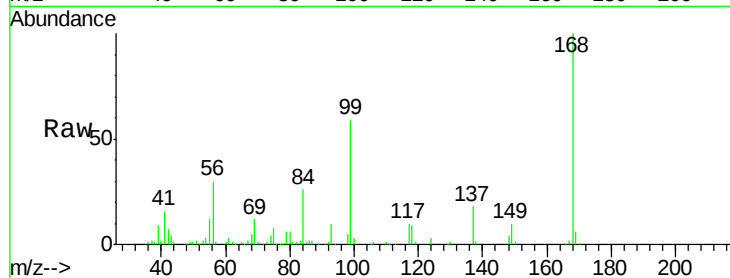
99 59.4 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

120000

100000

80000

60000

40000

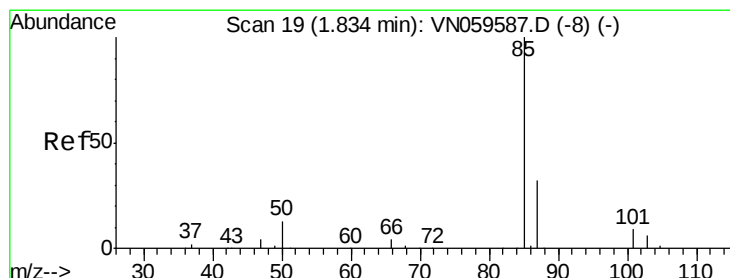
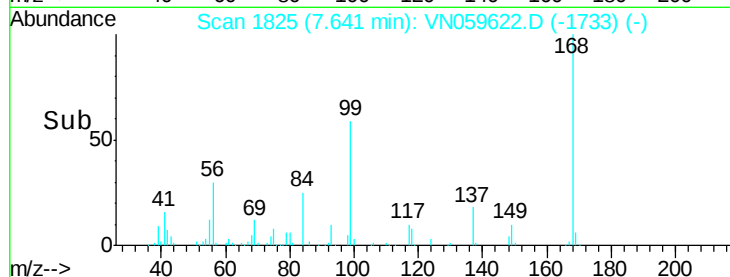
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.775 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059622.D

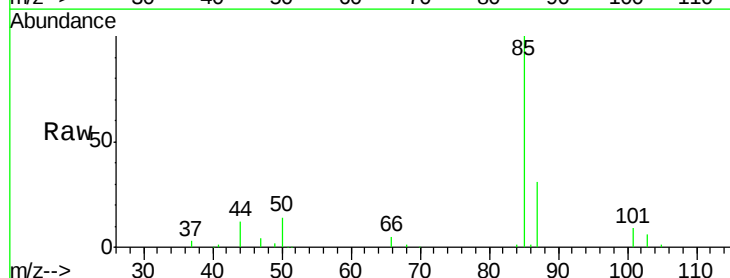
Acq: 17 Dec 2019 14:15

Tgt Ion: 85 Resp: 56125

Ion Ratio Lower Upper

85 100

87 31.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

40000

30000

20000

10000

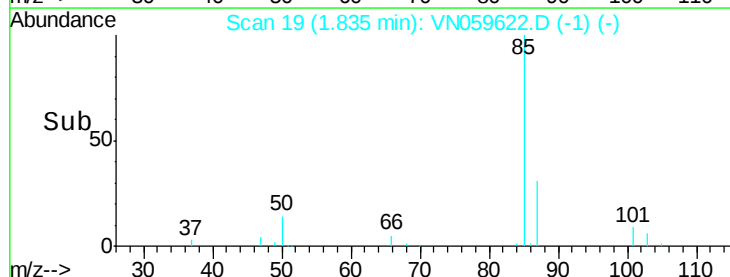
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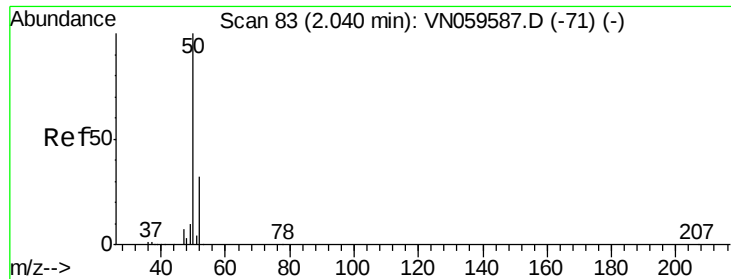
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.112 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 50 Resp: 100772

Ion Ratio Lower Upper

50 100

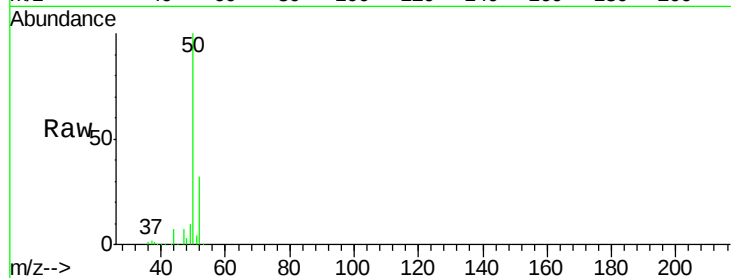
52 32.4 25.9 38.9

Manual Integrations

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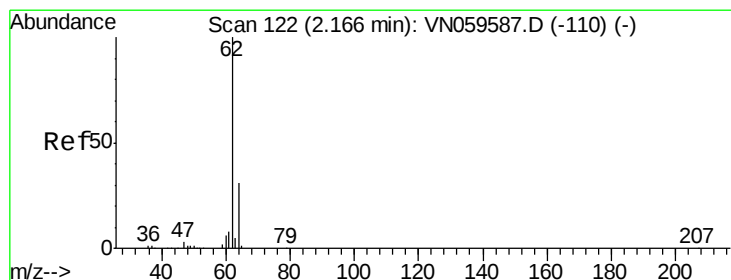
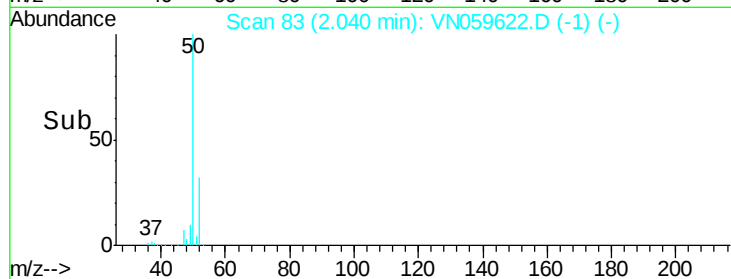
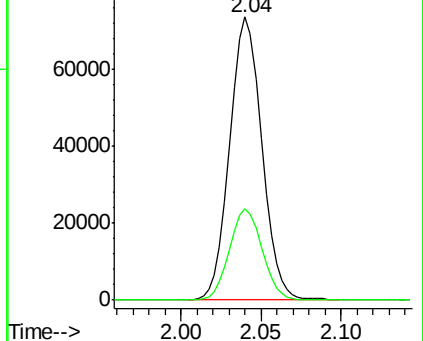
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.010 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059622.D

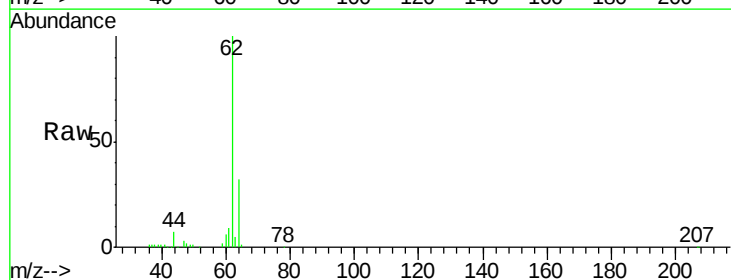
Acq: 17 Dec 2019 14:15

Tgt Ion: 62 Resp: 95080

Ion Ratio Lower Upper

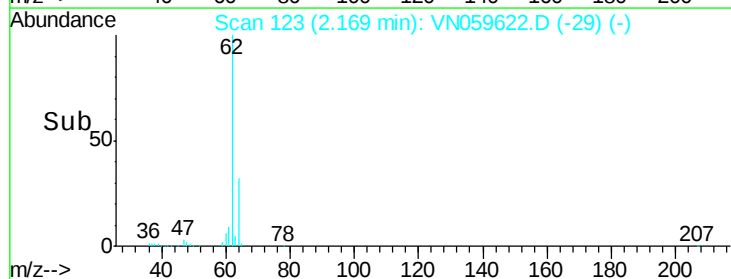
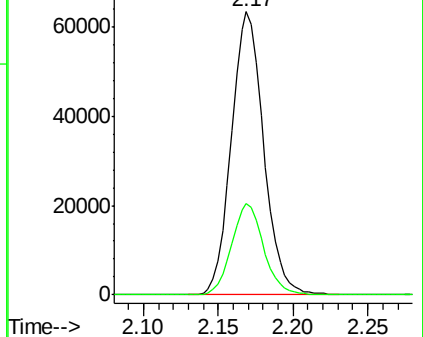
62 100

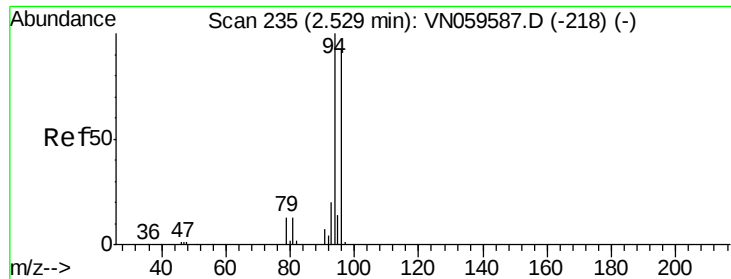
64 32.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.458 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

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ClientSampleId :

VN1217WBS01

Tot Ion: 94 Resp: 53749

Ion Ratio Lower Upper

94 100

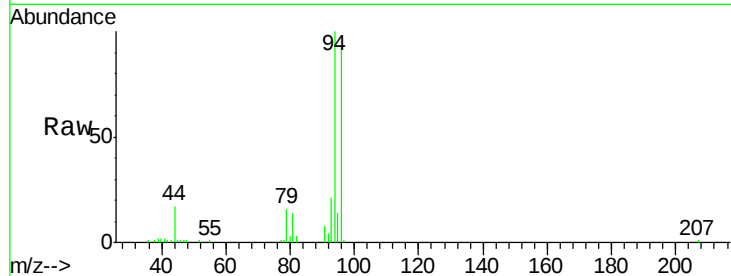
96 93.0 74.7 112.1

Manual Integrations

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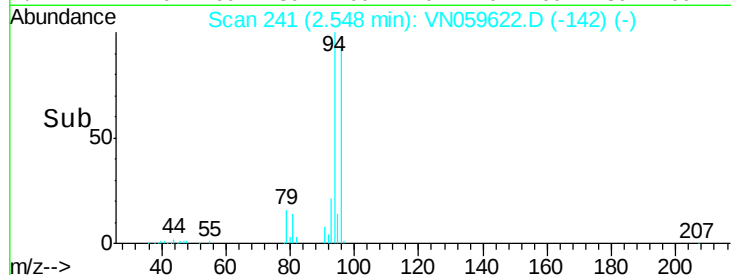


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

Time-->



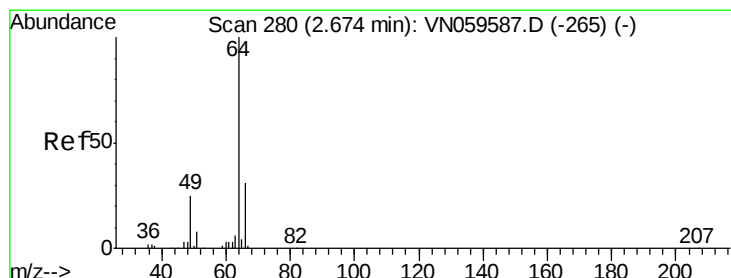
Abundance

Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

Time-->



#6

Chloroethane

Concen: 20.859 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059622.D

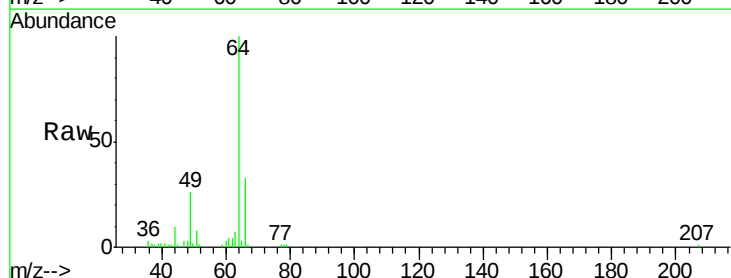
Acq: 17 Dec 2019 14:15

Tgt Ion: 64 Resp: 55705

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7

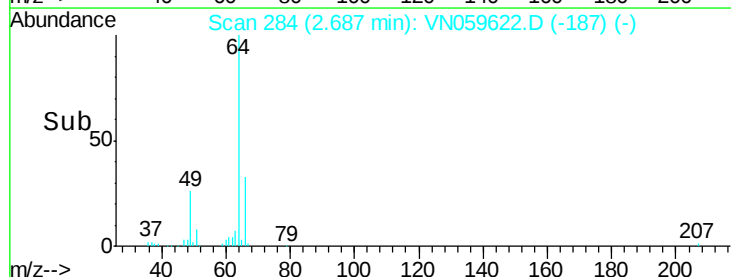


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

Time-->



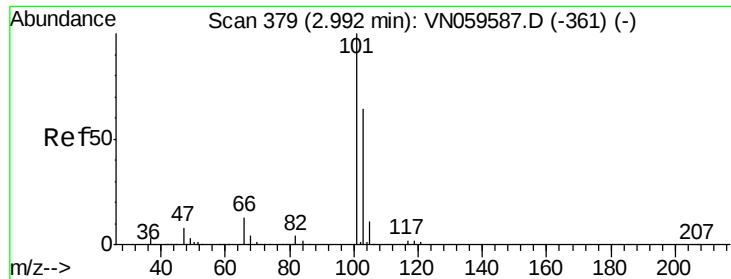
Abundance

Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

Time-->



#7

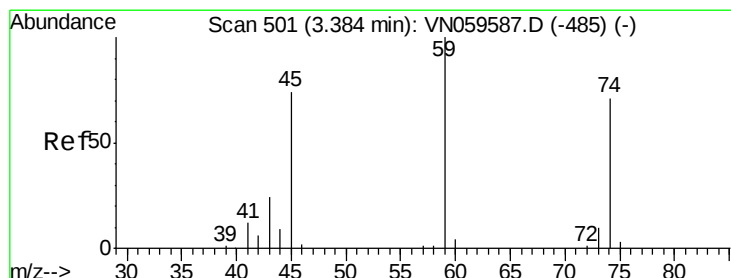
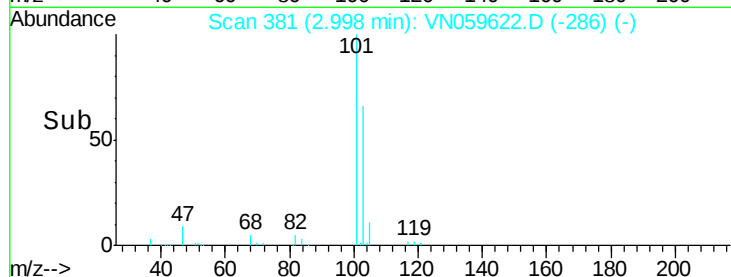
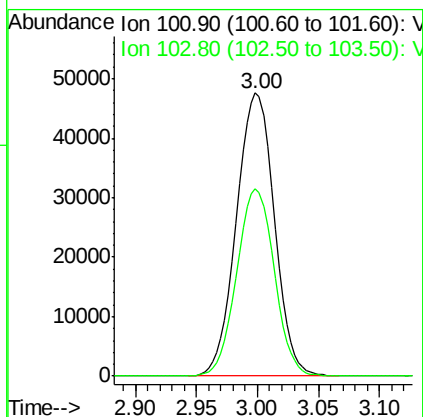
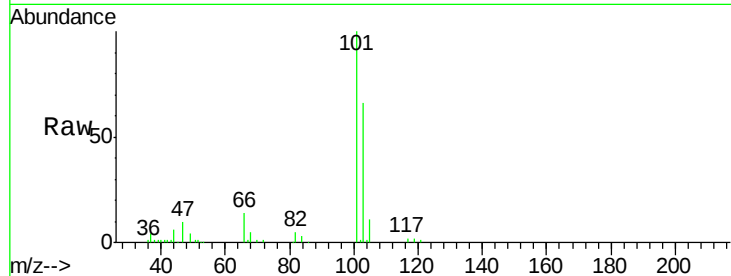
Trichlorofluoromethane
Concen: 19.654 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.0	76.6

Manual Integrations
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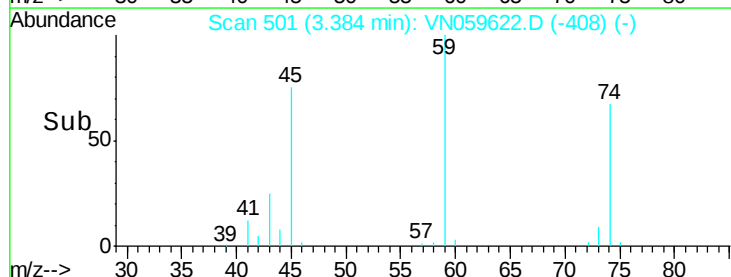
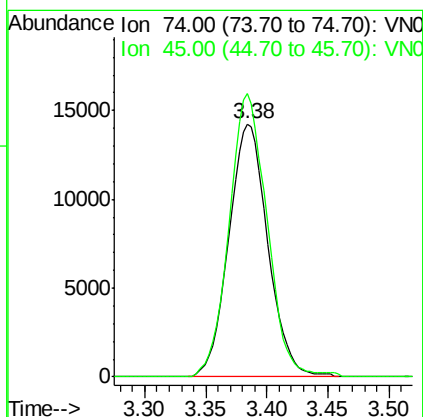
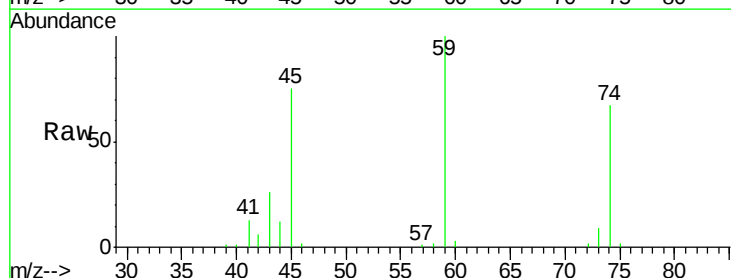
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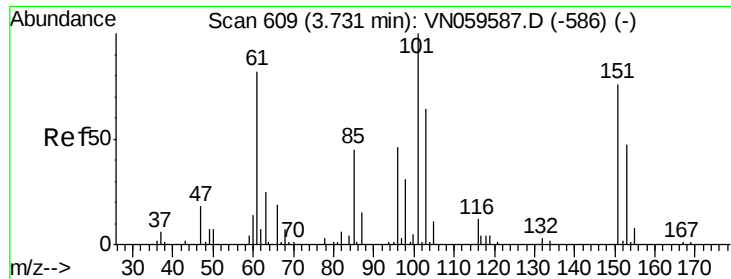


#8

Diethyl Ether
Concen: 19.425 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.0	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.448 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

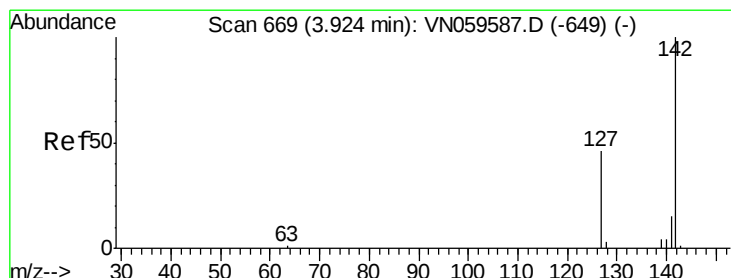
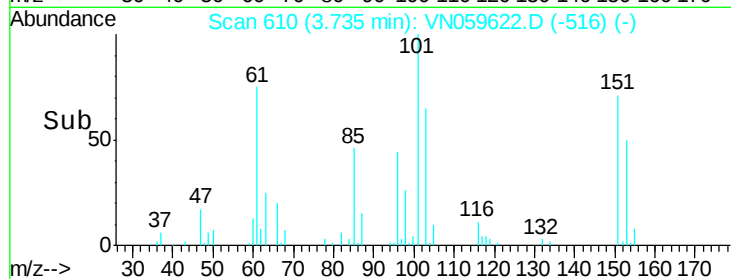
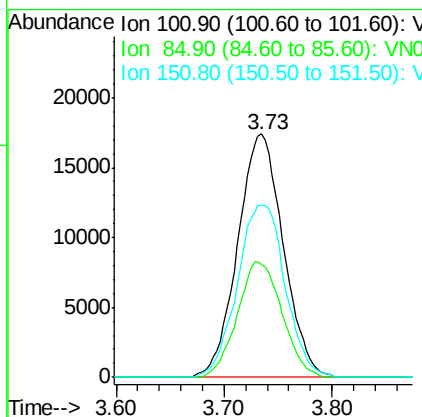
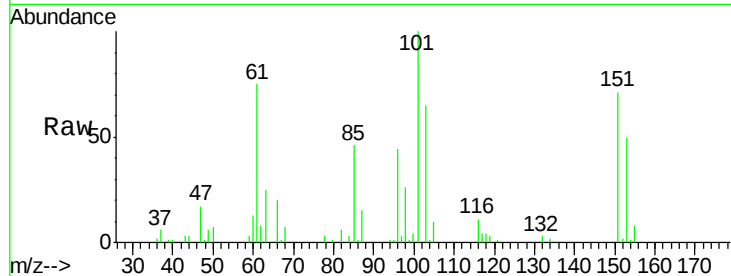
ClientSampleId :

VN1217WBS01

Tot Ion:	101	Resp:	51095
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.6	54.8
151	74.3	59.7	89.5

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#10

Methyl Iodide

Concen: 18.664 ug/l

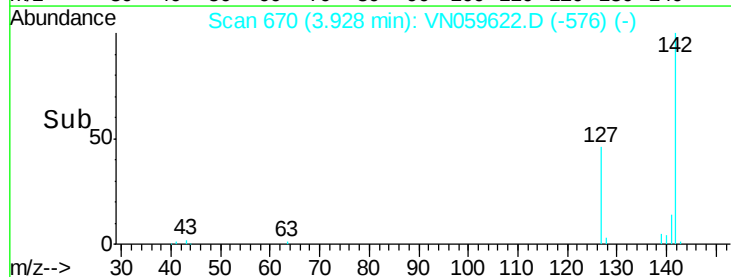
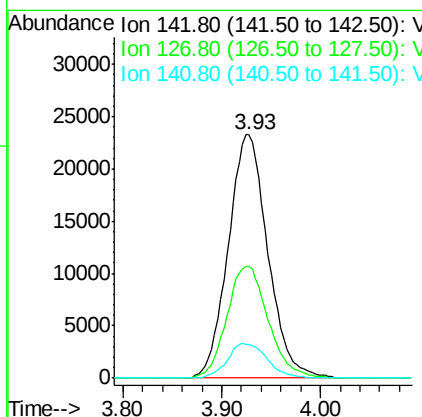
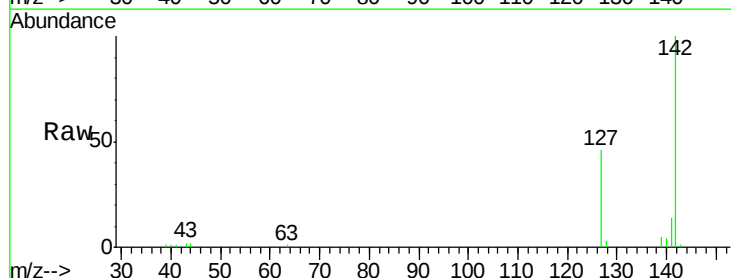
RT: 3.93 min Scan# 670

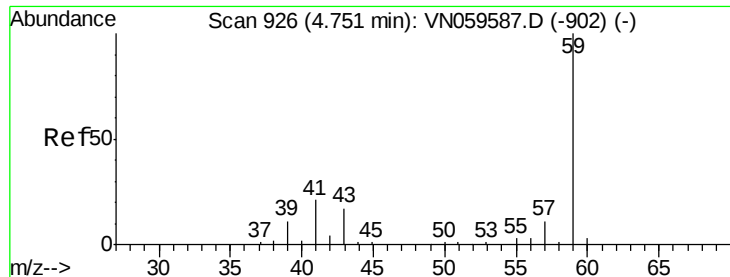
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	142	Resp:	64914
Ion Ratio	Lower	Upper	
142	100		
127	47.8	36.7	55.1
141	14.4	11.7	17.5





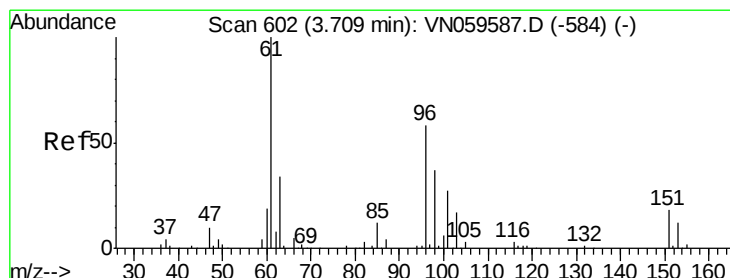
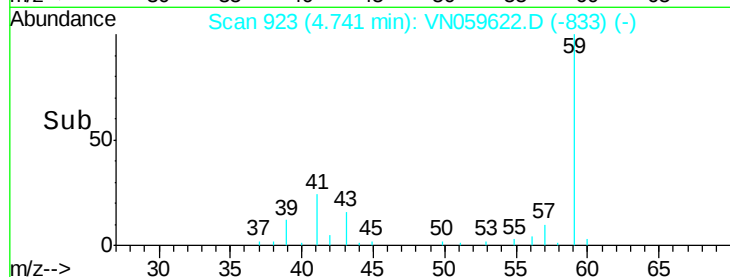
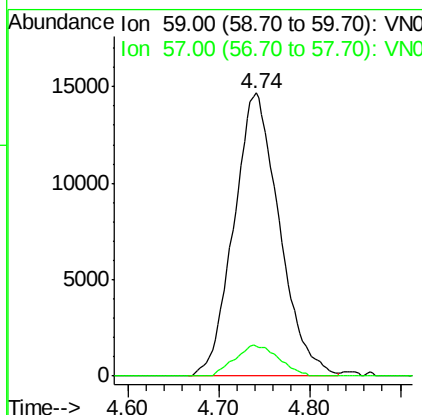
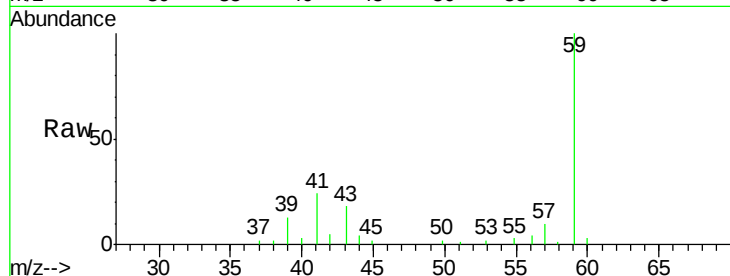
#11
Tert butyl alcohol
Concen: 78.380 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 59 Resp: 51093
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8

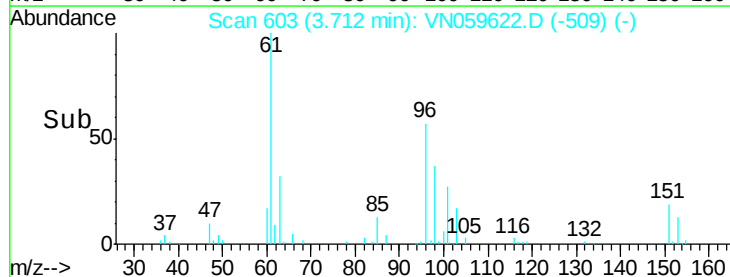
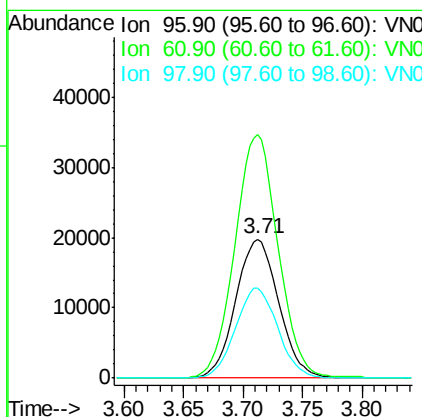
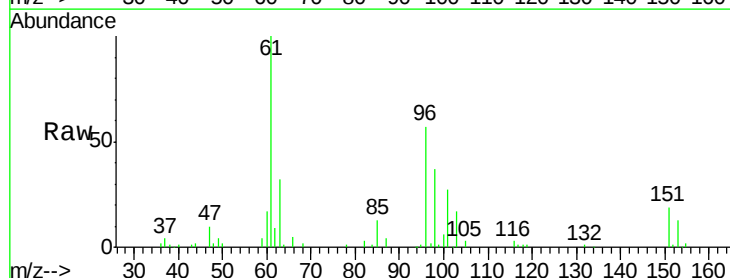
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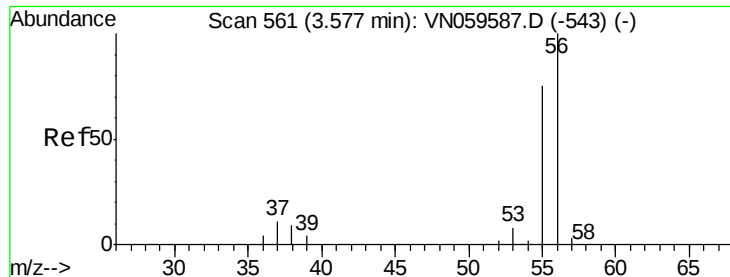
apatel
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#12
1,1-Dichloroethene
Concen: 19.319 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion: 96 Resp: 49513
Ion Ratio Lower Upper
96 100
61 175.0 137.5 206.3
98 65.1 50.2 75.4





#13

Acrolein

Concen: 67.205 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 56 Resp: 31206

Ion Ratio Lower Upper

56 100

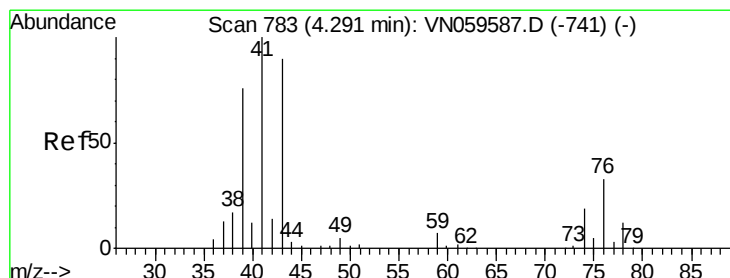
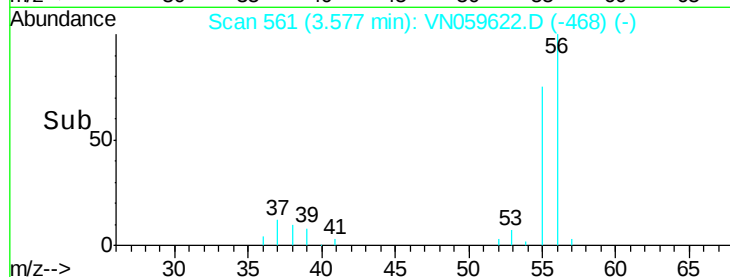
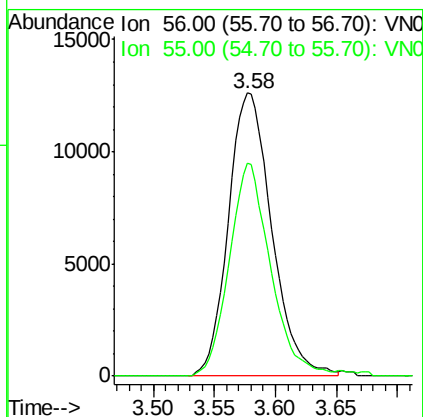
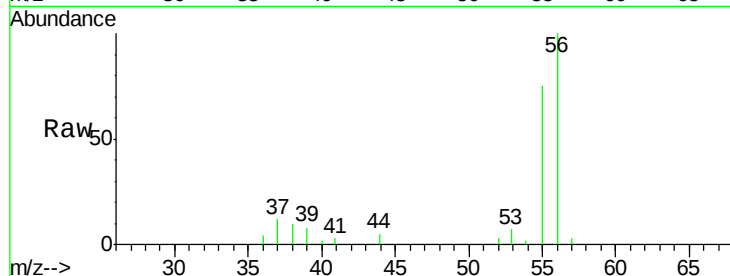
55 71.3 58.6 88.0

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#14

Allyl chloride

Concen: 18.842 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

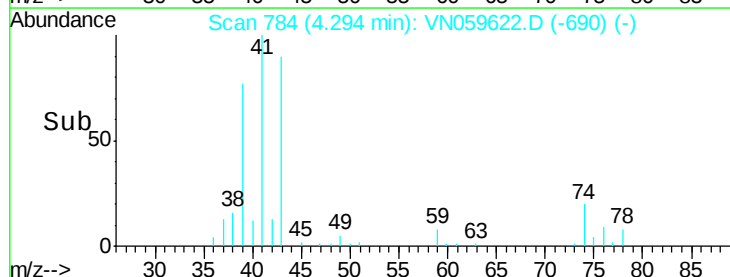
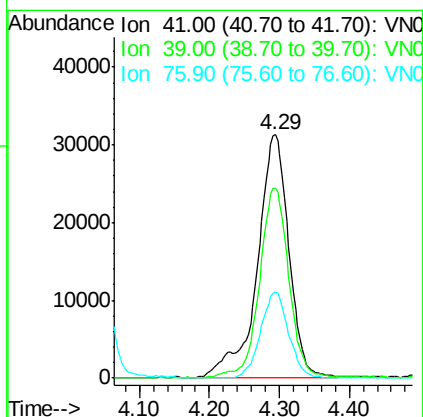
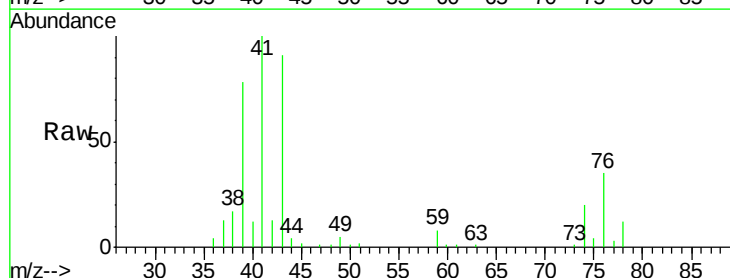
Tgt Ion: 41 Resp: 99131

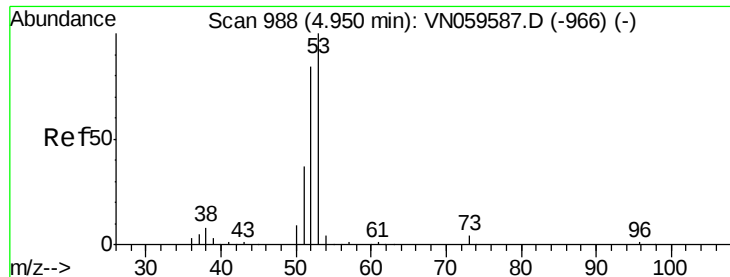
Ion Ratio Lower Upper

41 100

39 72.3 57.8 86.8

76 31.0 25.4 38.0





#15

Acrylonitrile

Concen: 98.729 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

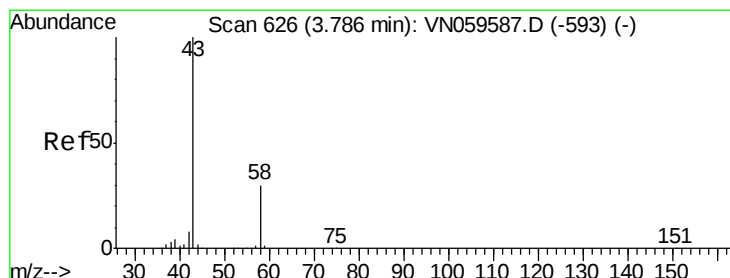
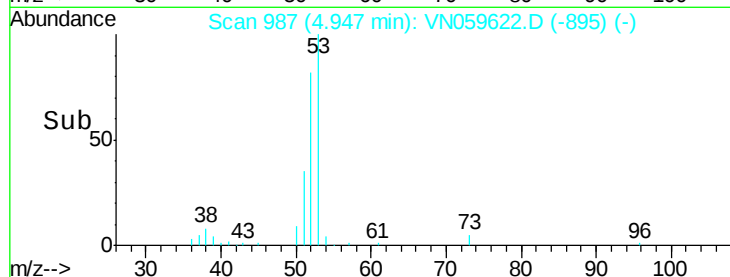
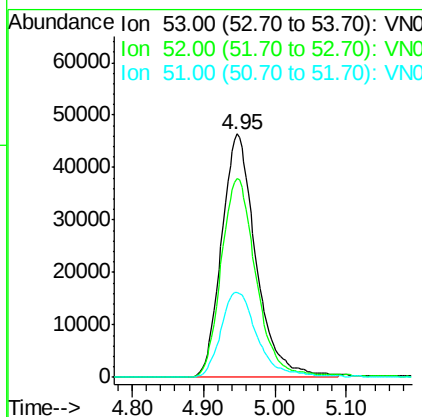
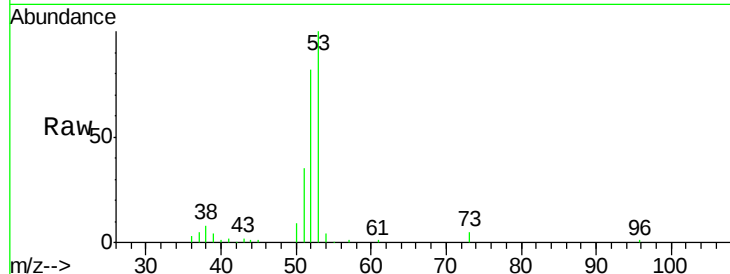
ClientSampleId :

VN1217WBS01

Tot Ion:	53	Resp:	155673
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.3	99.5
51	37.0	29.7	44.5

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#16

Acetone

Concen: 79.596 ug/l

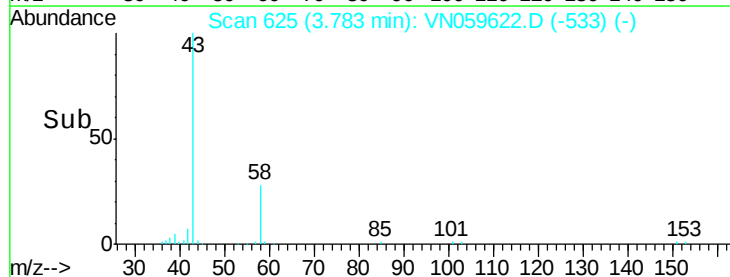
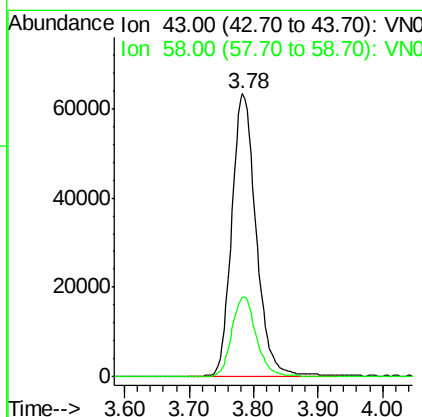
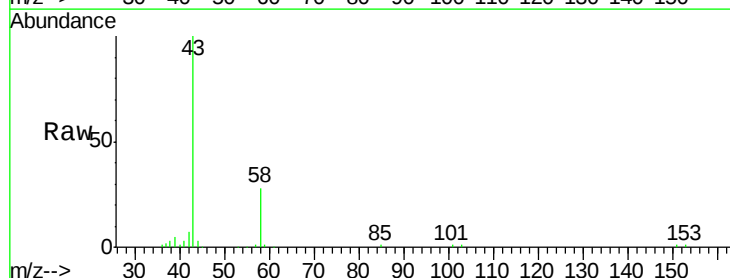
RT: 3.78 min Scan# 625

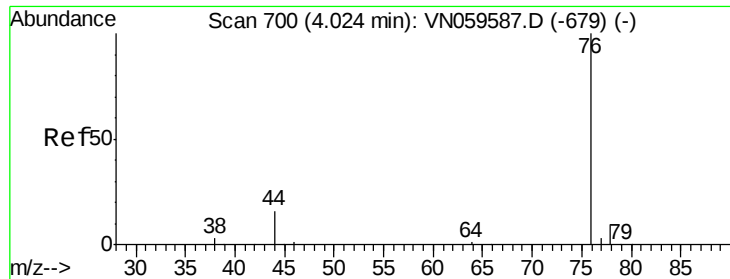
Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	43	Resp:	168027
Ion	Ratio	Lower	Upper
43	100		
58	28.2	23.6	35.4





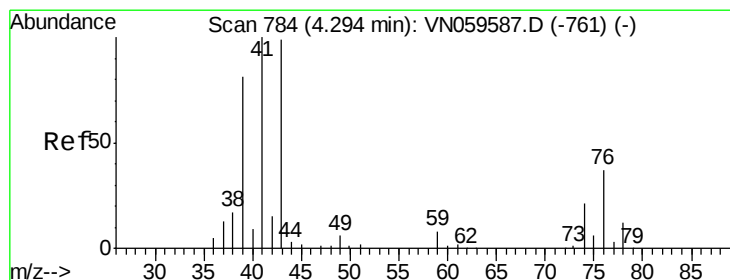
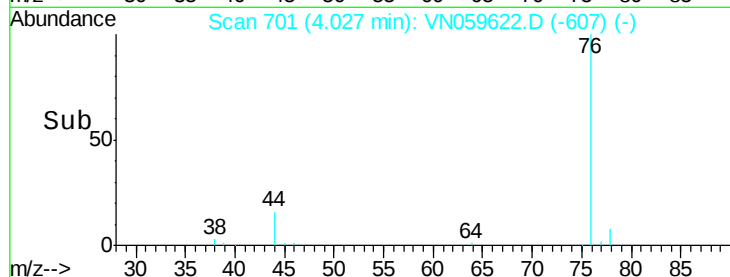
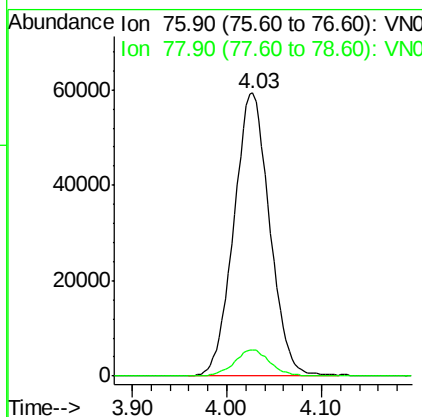
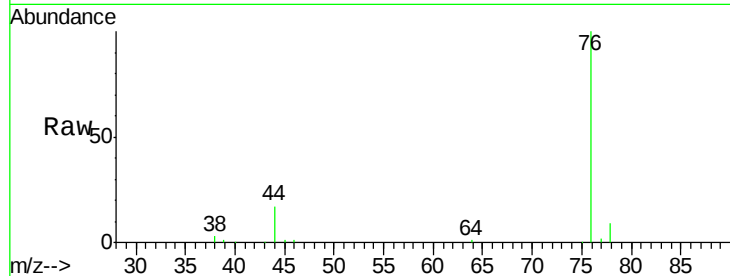
#17
Carbon Disulfide
Concen: 18.225 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 76 Resp: 156044
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

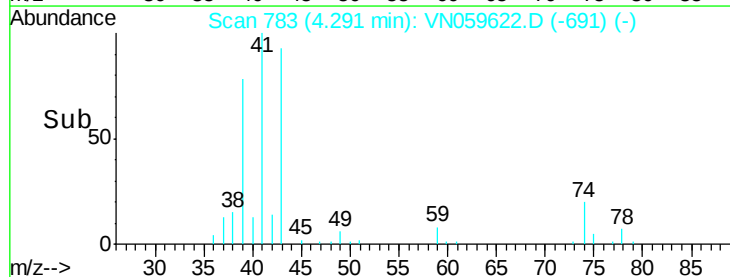
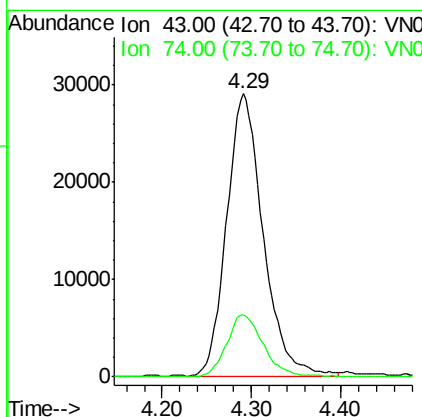
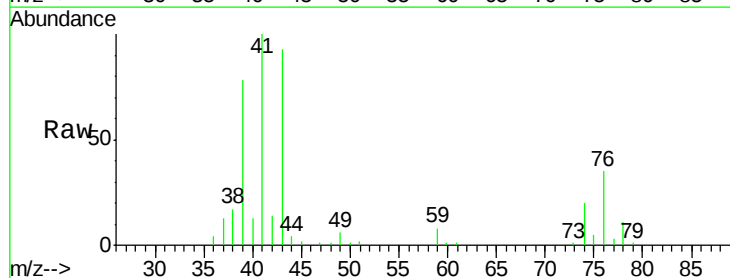
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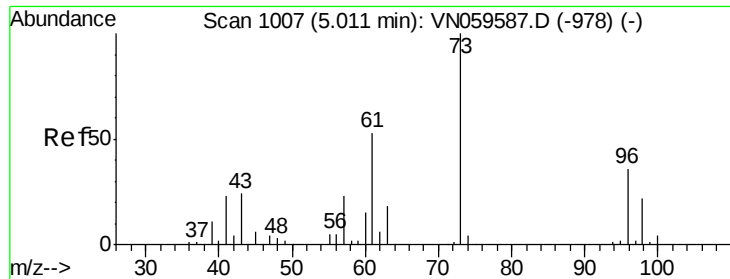
apatel
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#18
Methyl Acetate
Concen: 18.786 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion: 43 Resp: 83098
Ion Ratio Lower Upper
43 100
74 21.7 17.5 26.3





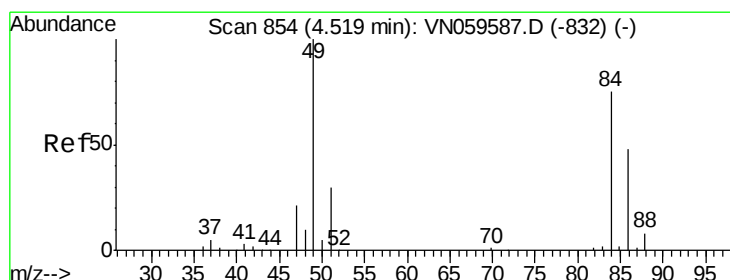
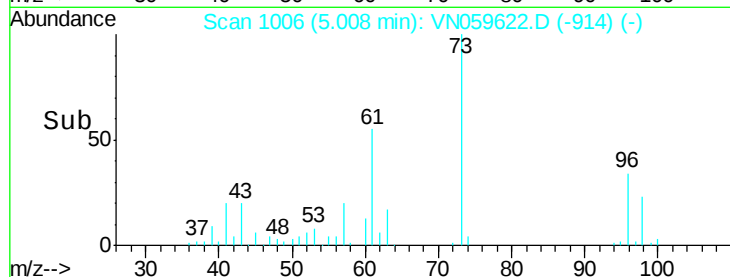
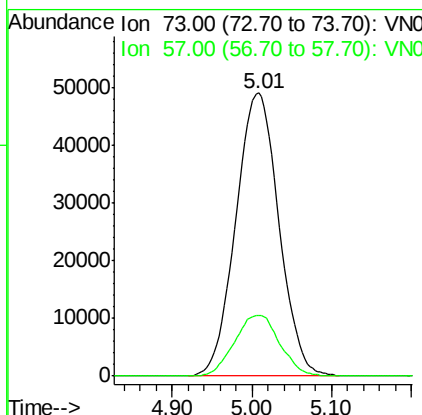
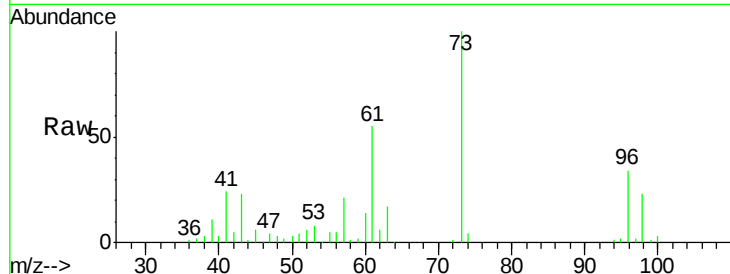
#19
Methvl tert-butvl Ether
Concen: 19.832 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 73 Resp: 179462
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8

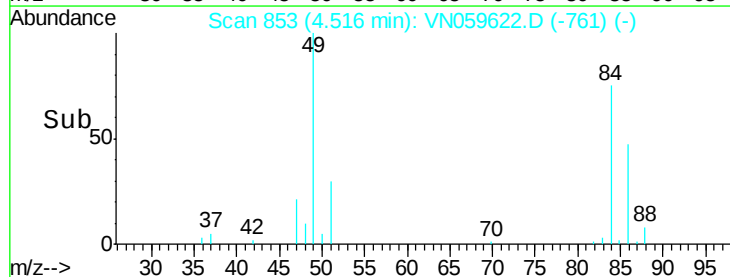
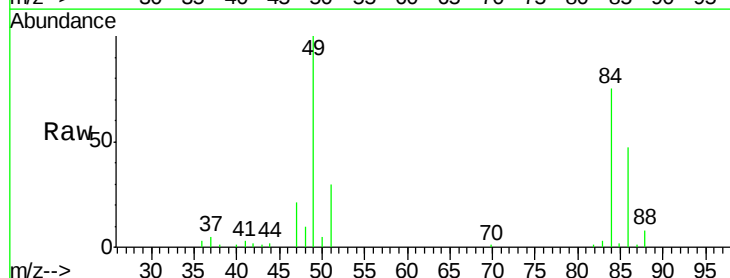
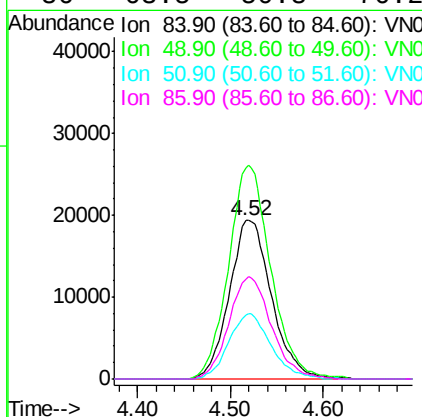
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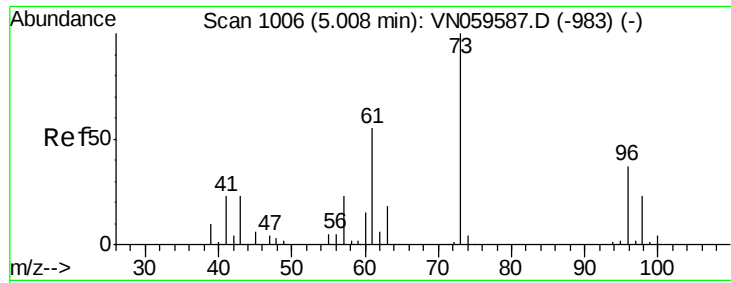
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#20
Methylene Chloride
Concen: 20.125 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion: 84 Resp: 61358
Ion Ratio Lower Upper
84 100
49 133.7 106.6 160.0
51 40.3 31.9 47.9
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.326 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 96 Resp: 55216

Ion Ratio Lower Upper

96 100

61 155.7 120.4 180.6

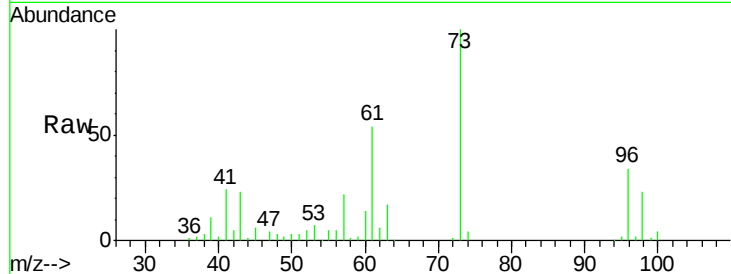
98 66.8 50.6 75.8

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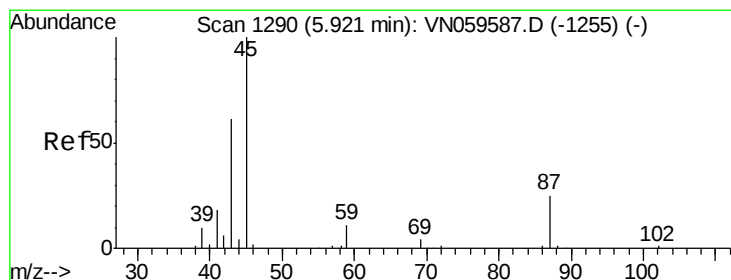
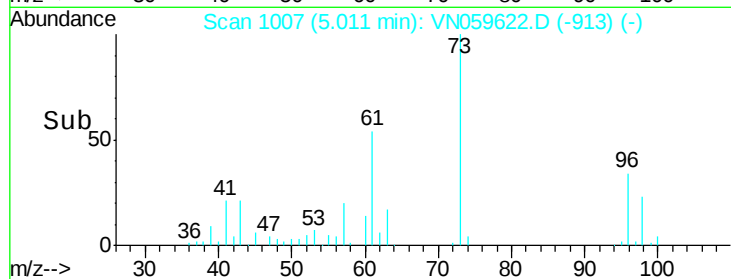
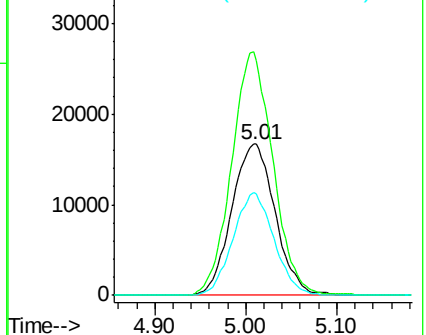
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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.541 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion: 45 Resp: 199234

Ion Ratio Lower Upper

45 100

43 69.2 50.8 76.2

87 26.9 21.0 31.6

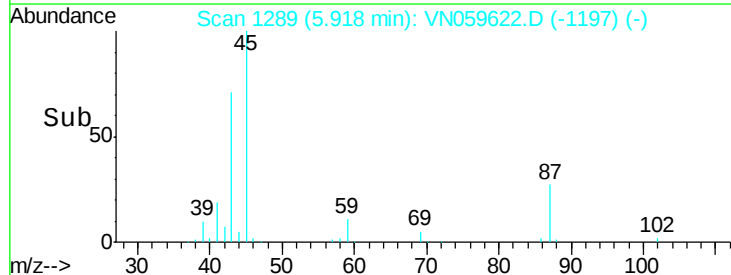
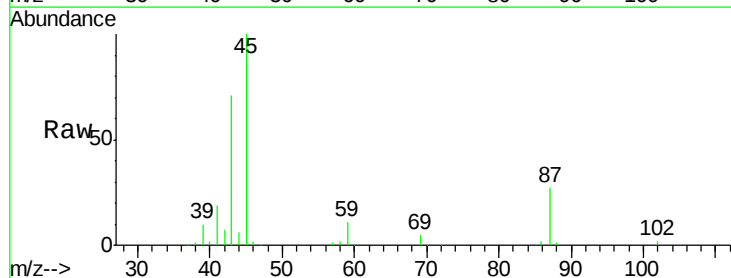
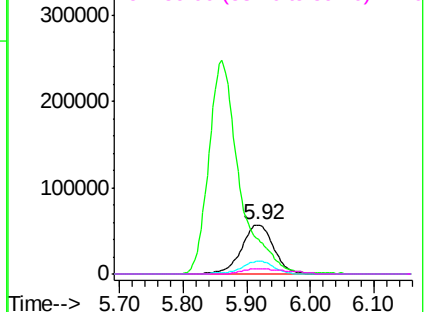
59 11.0 9.1 13.7

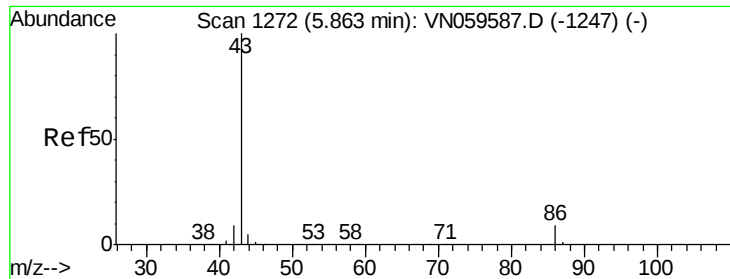
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





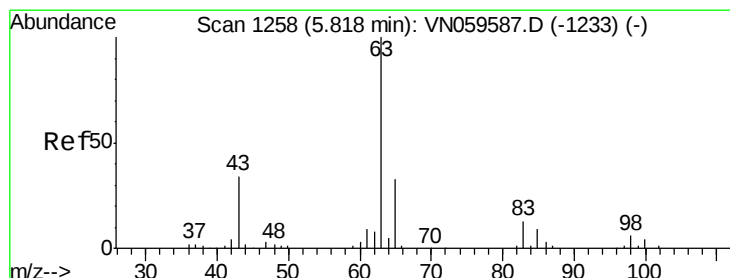
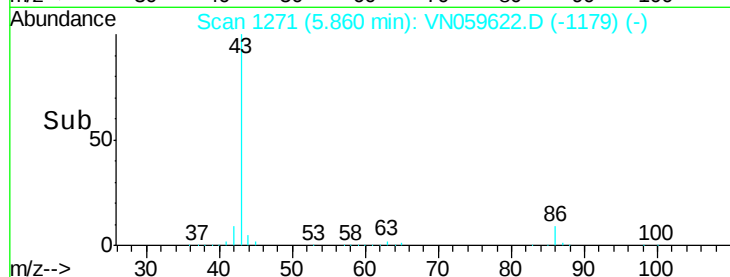
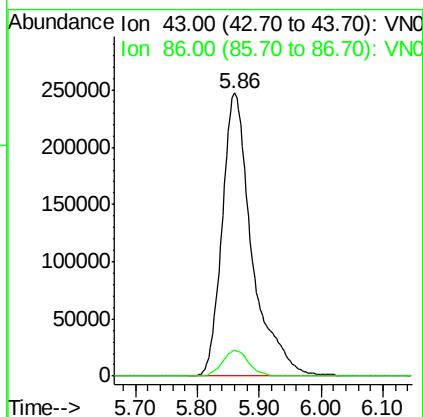
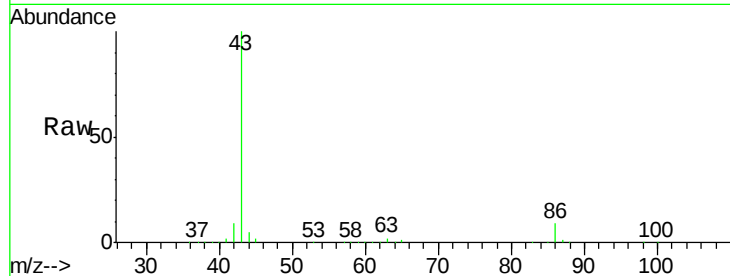
#23
 Vinyl Acetate
 Concen: 109.035 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	43	Resp	829963
Ion Ratio	100	Lower	Upper
43	100		
86	9.1	7.6	11.4

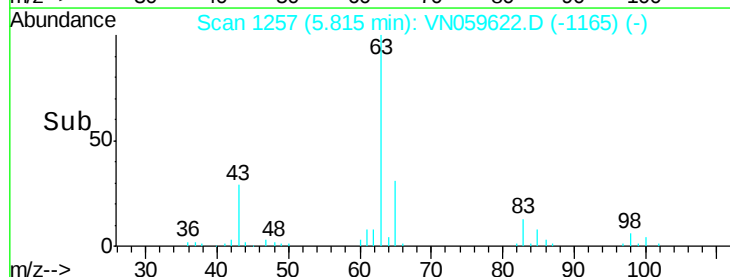
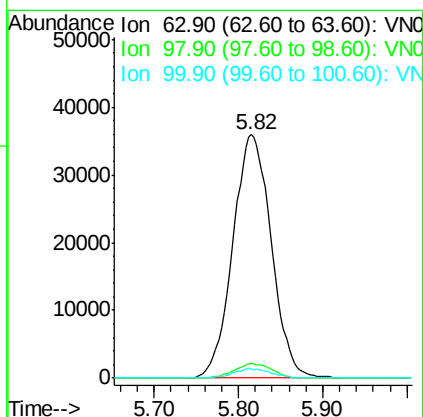
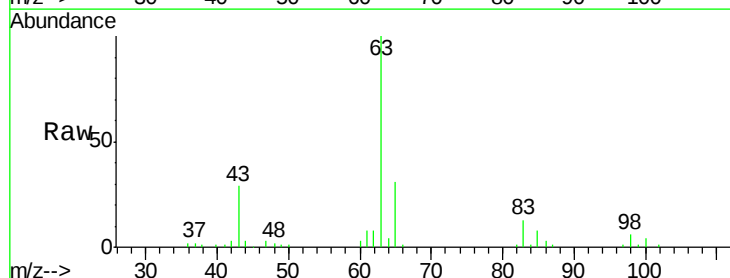
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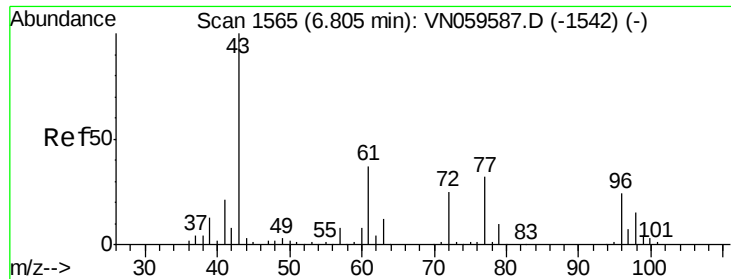
apatel
 12/18/2019 10:05:05 AM



#24
 1,1-Dichloroethane
 Concen: 20.713 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	63	Resp	113804
Ion Ratio	100	Lower	Upper
63	100		
98	5.9	2.9	8.7
100	3.7	2.0	6.0





#25

2-Butanone

Concen: 87.841 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tot Ion: 43 Resp: 221743

Ion Ratio Lower Upper

43 100

72 24.0 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

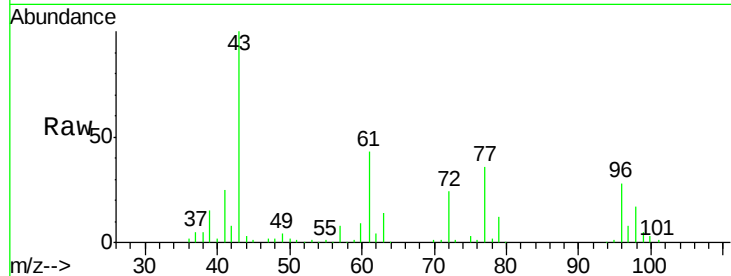
VN1217WBS01

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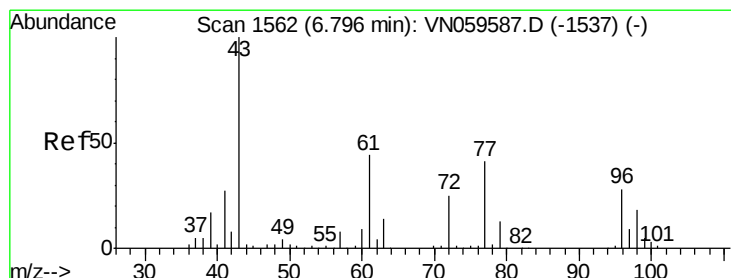
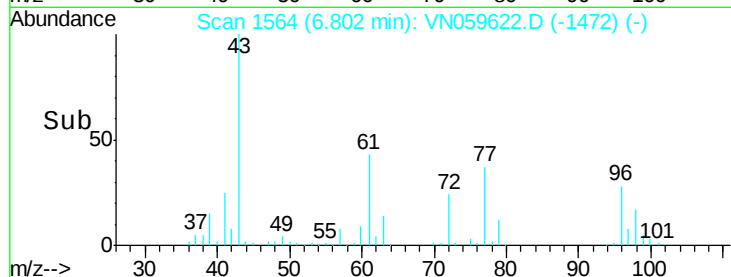
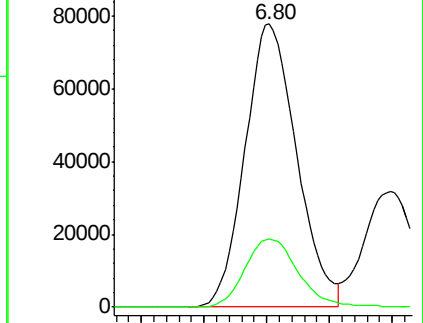
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.049 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059622.D

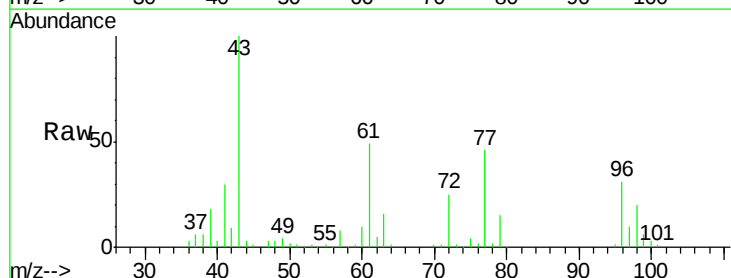
Acq: 17 Dec 2019 14:15

Tgt Ion: 77 Resp: 100119

Ion Ratio Lower Upper

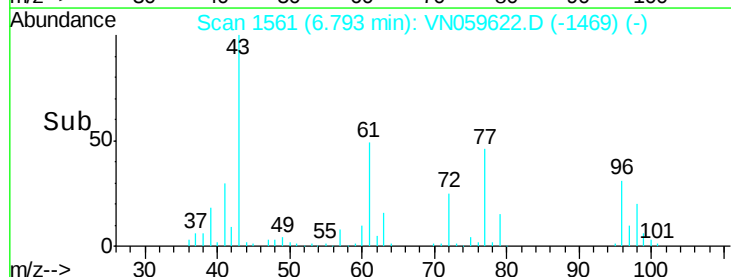
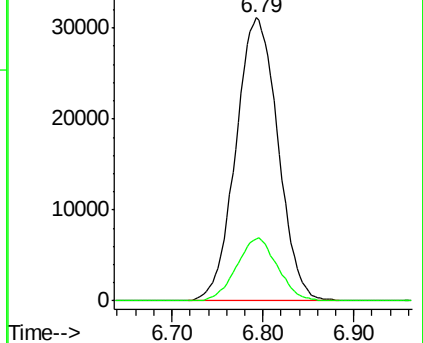
77 100

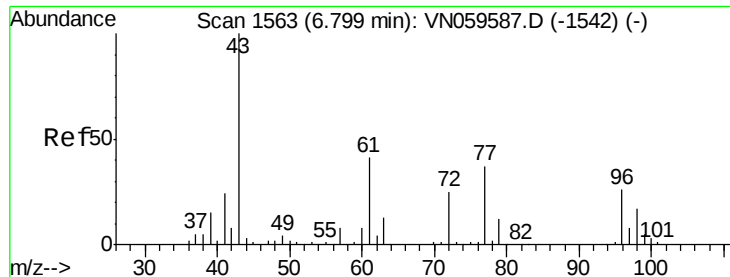
97 21.5 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.227 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

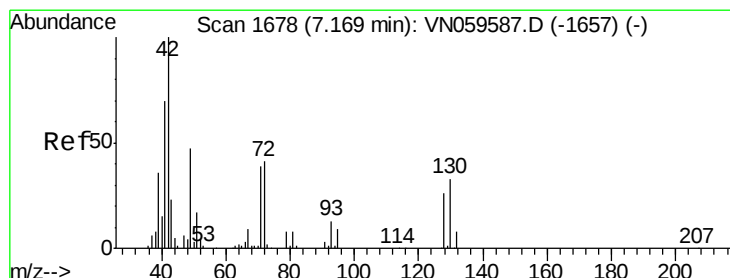
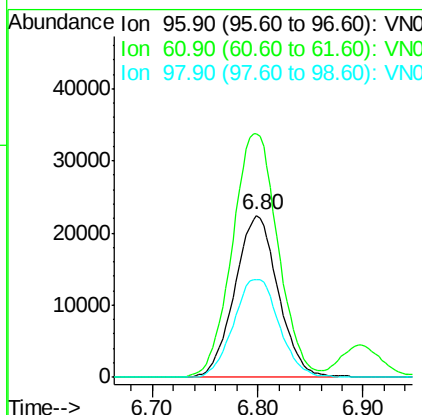
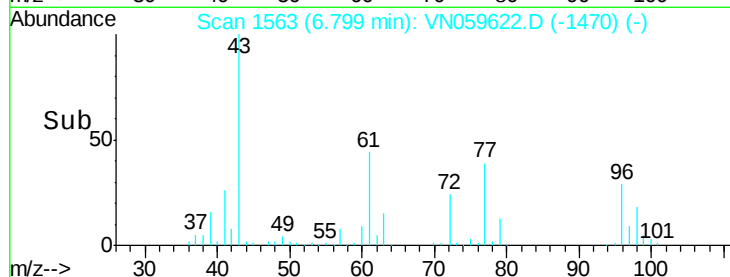
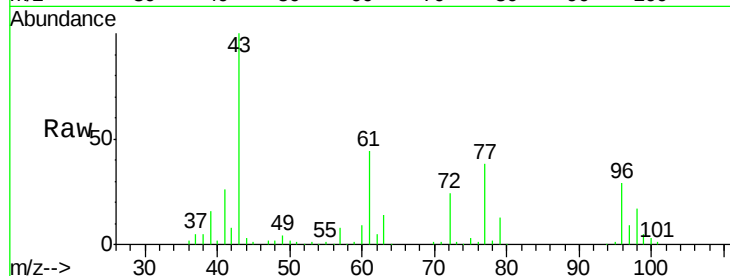
ClientSampleId :

VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64036		
61	158.6		0.0	317.6
98	63.7		0.0	127.0

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#28

Bromochloromethane

Concen: 18.487 ug/l

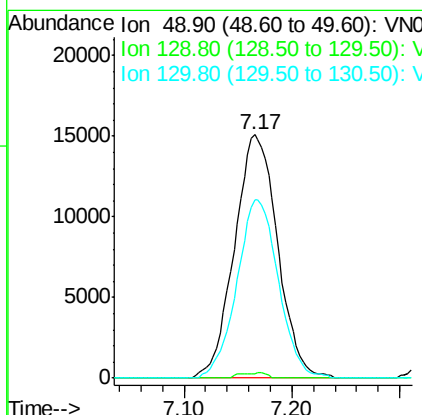
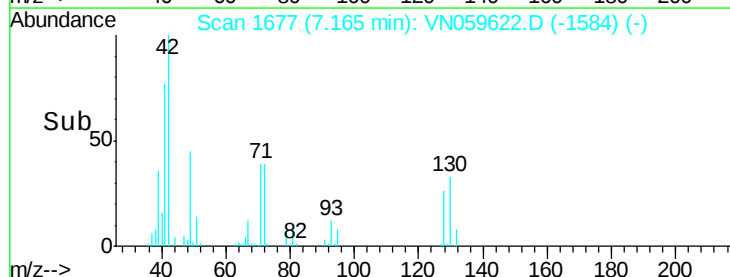
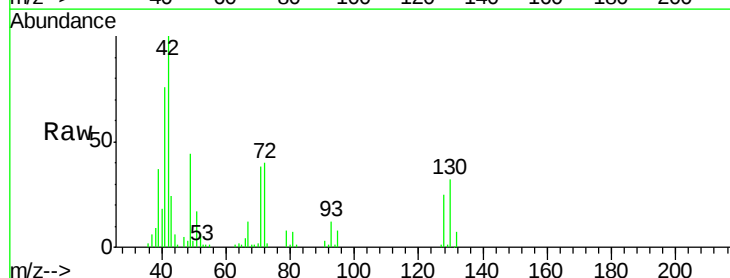
RT: 7.17 min Scan# 1677

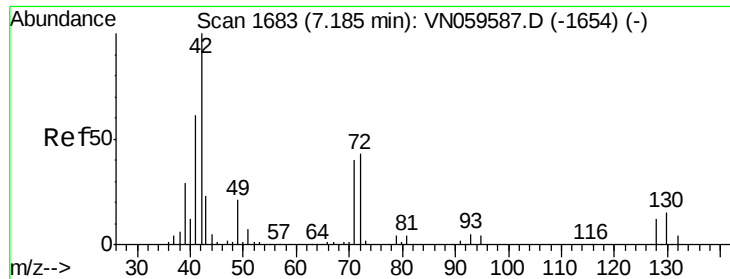
Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41993		
129	0.6		0.0	3.4
130	70.6		54.7	82.1





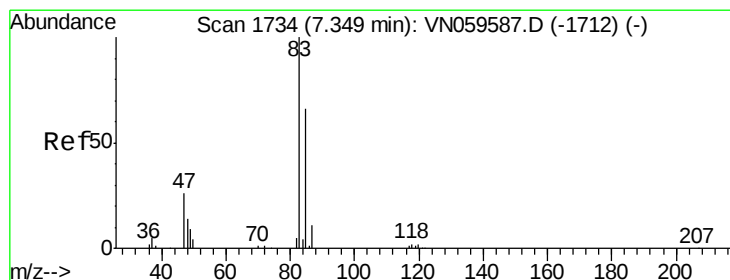
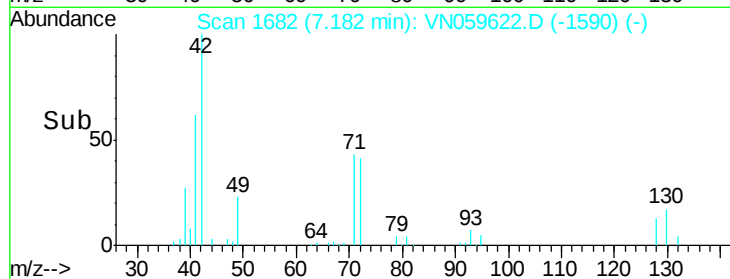
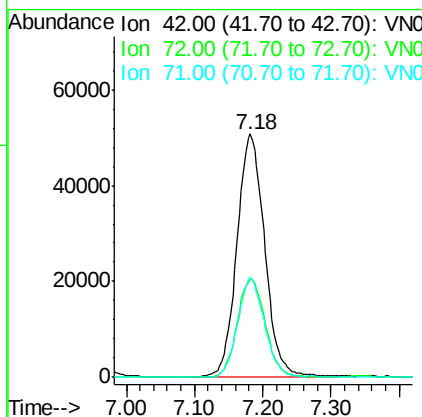
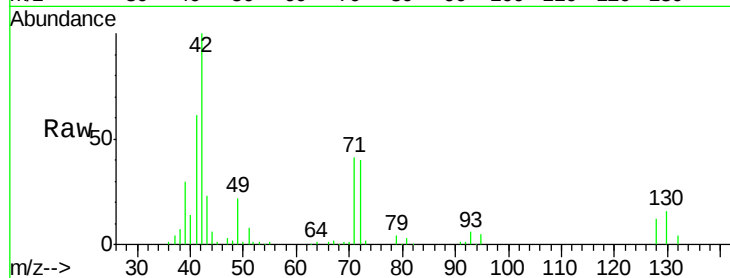
#29
Tetrahydrofuran
Concen: 93.859 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	33.1	49.7
71	39.2	31.4	47.0

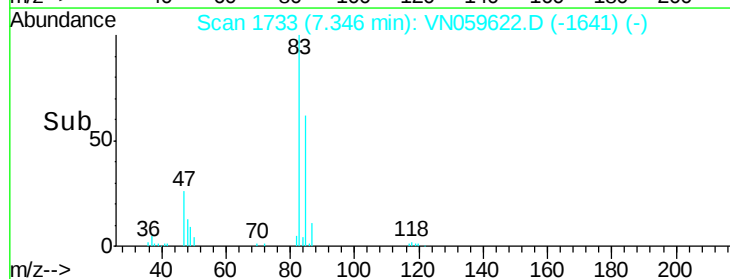
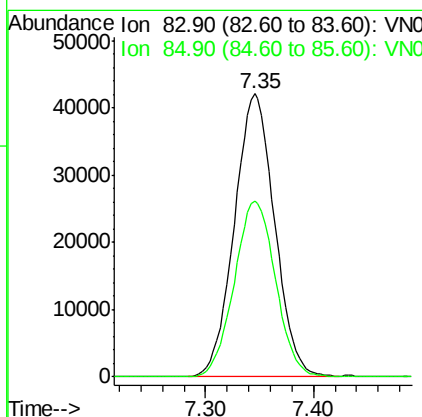
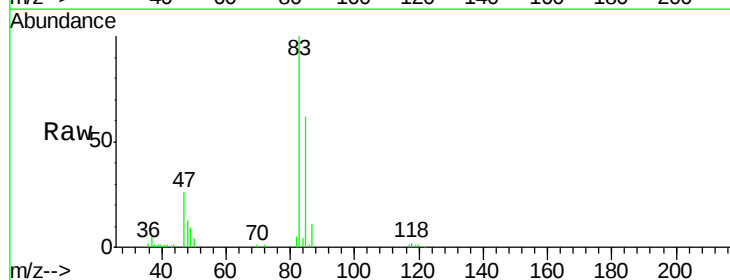
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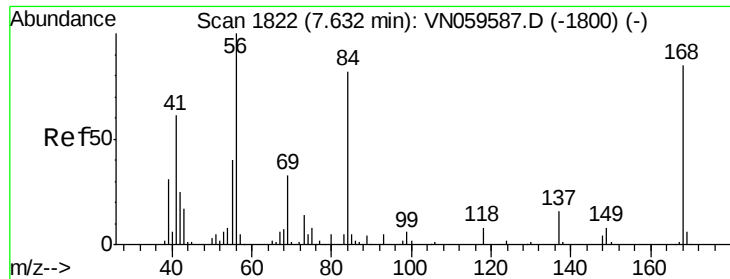
apatel
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#30
Chloroform
Concen: 20.198 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.4	78.6





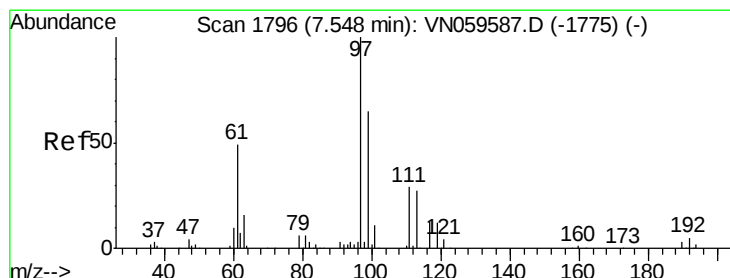
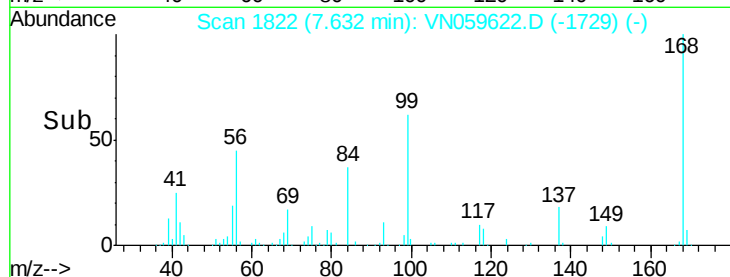
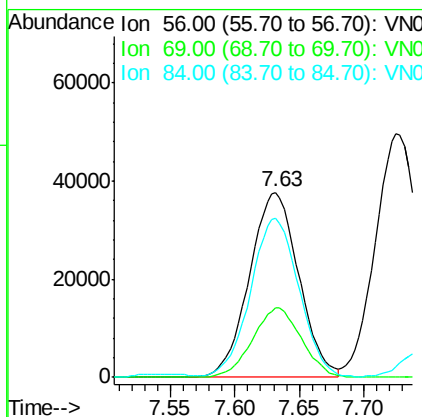
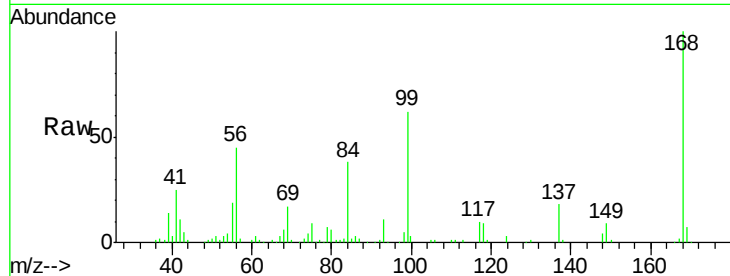
#31
Cyclohexane
Concen: 19.354 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.5	39.7
84	84.7	65.3	97.9

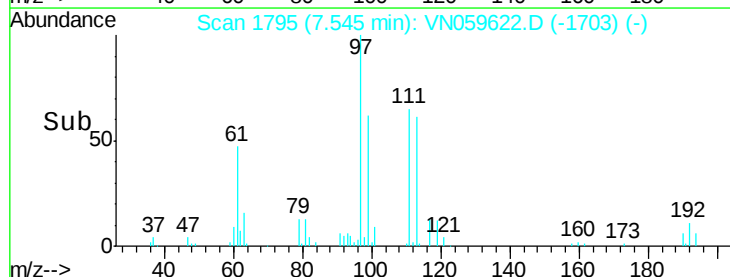
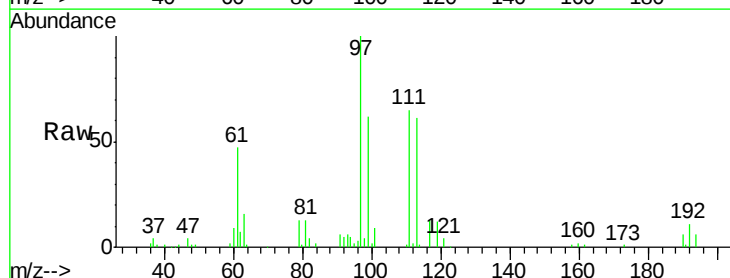
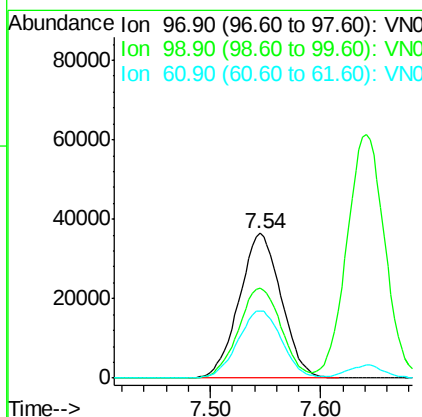
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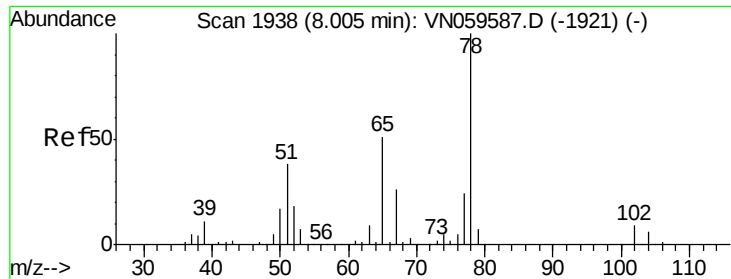
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#32
1,1,1-Trichloroethane
Concen: 19.691 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.5	38.5	57.7





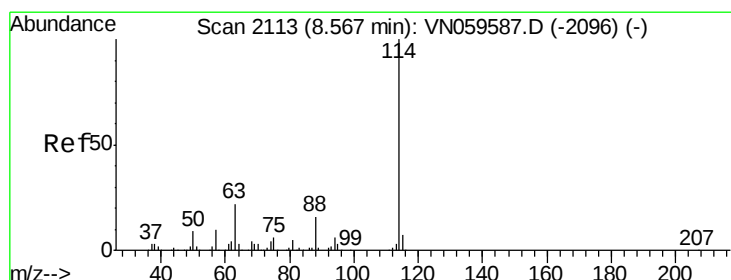
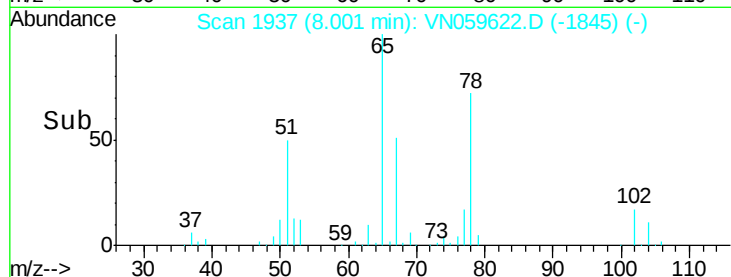
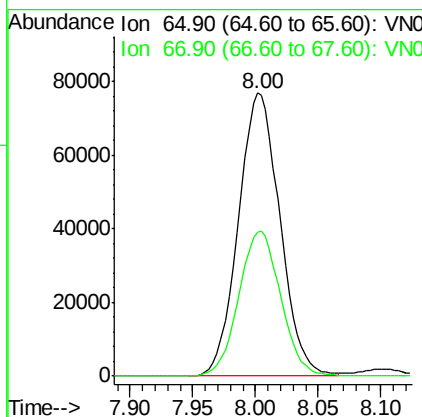
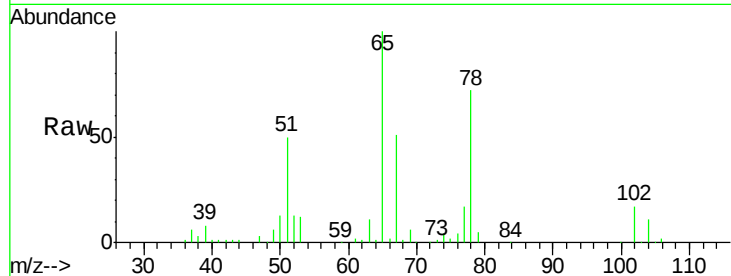
#33
 1,2-Dichloroethane-d4
 Concen: 49.885 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	177373		
67	51.6	0.0	103.0	

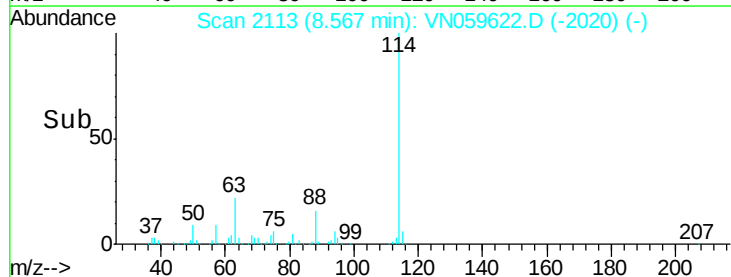
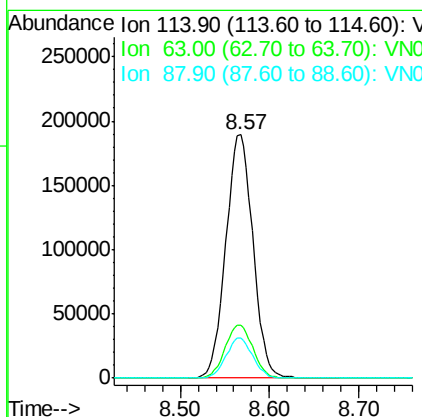
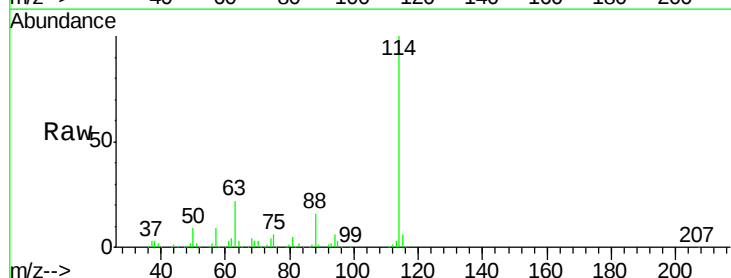
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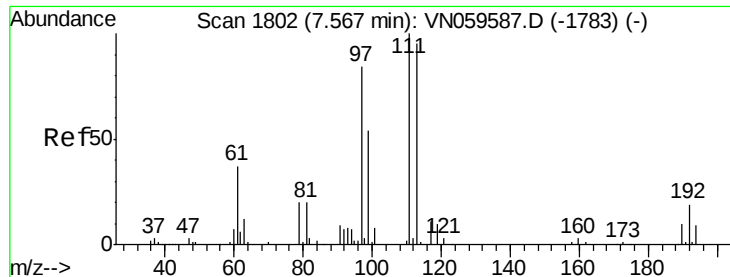
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398773		
63	21.9	0.0	43.6	
88	16.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.866 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

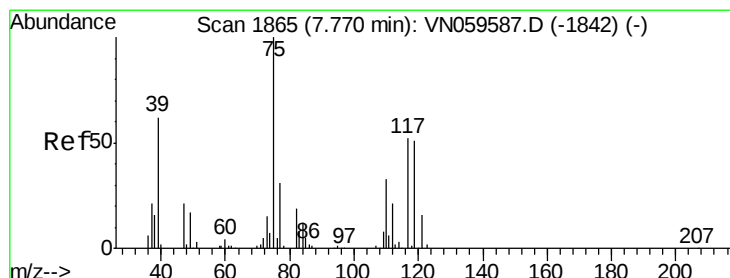
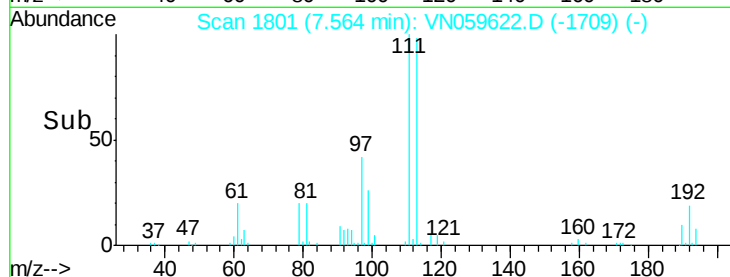
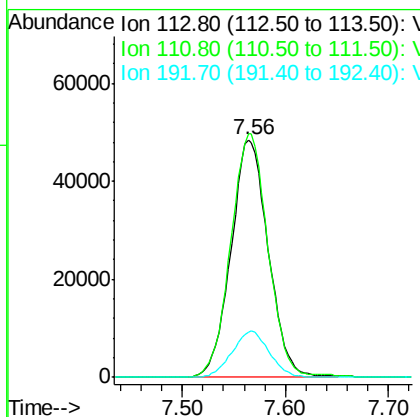
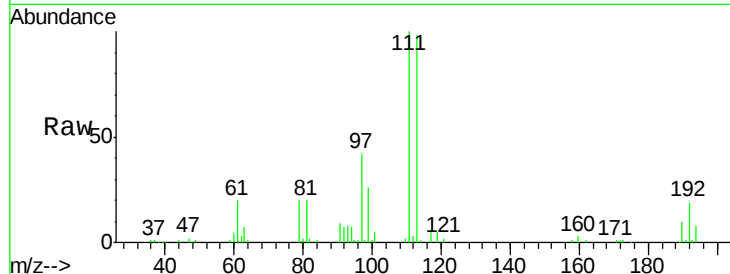
ClientSampleId :

VN1217WBS01

Tot Ion:	113	Resp:	121925
Ion Ratio	Lower	Upper	
113	100		
111	101.9	83.5	125.3
192	19.4	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 19.449 ug/l

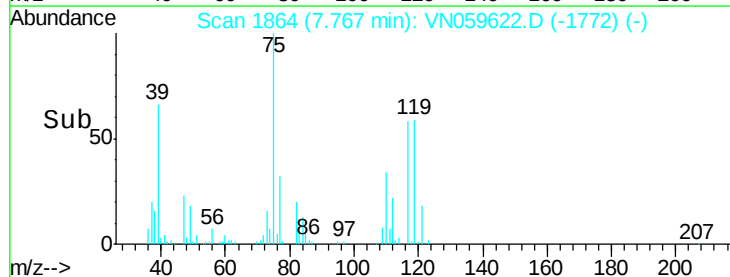
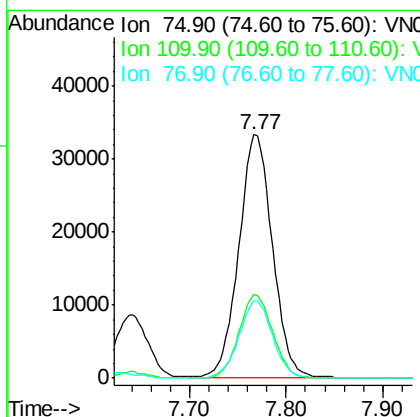
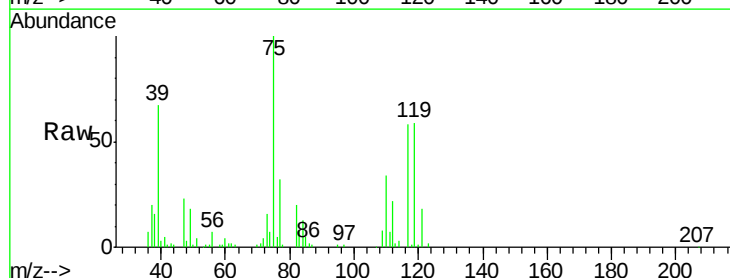
RT: 7.77 min Scan# 1864

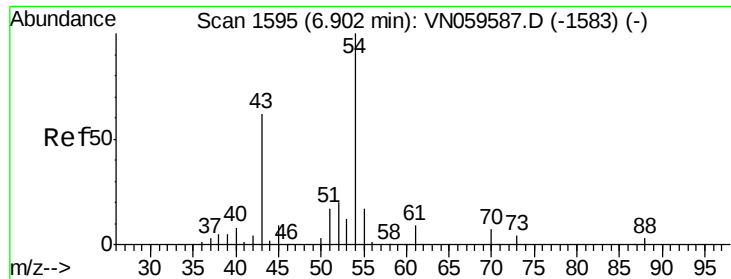
Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	75	Resp:	80881
Ion Ratio	Lower	Upper	
75	100		
110	34.0	16.6	49.7
77	31.4	25.1	37.7





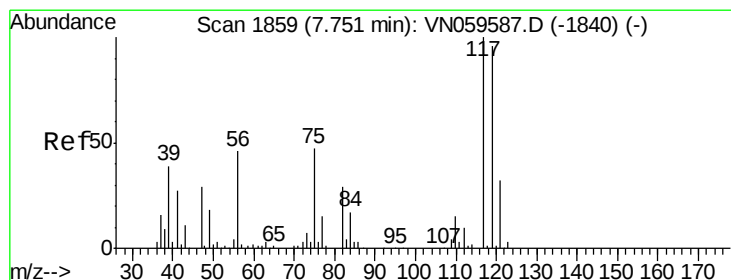
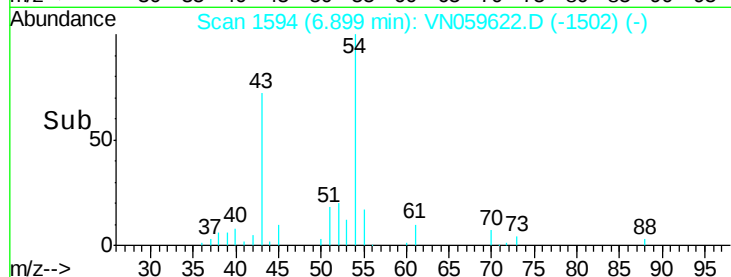
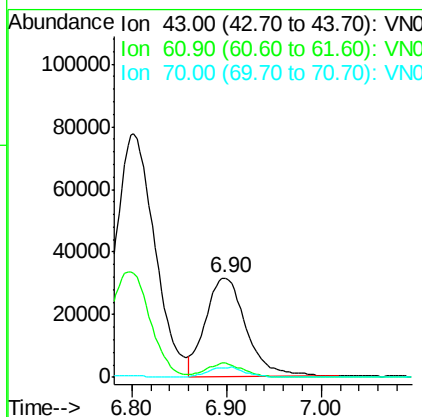
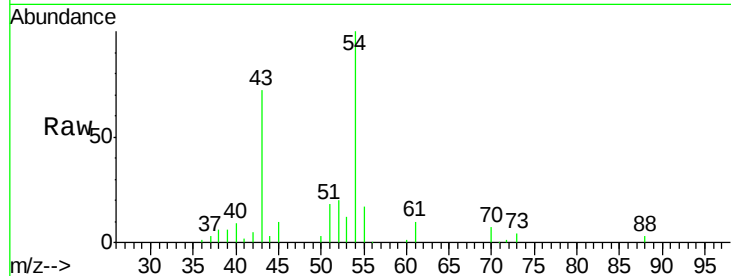
#37
Ethyl Acetate
Concen: 19.387 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	43	61	70
Ion	43	61	70
Ratio	100	13.2	9.4
Lower		10.9	7.7
Upper		16.3	11.5

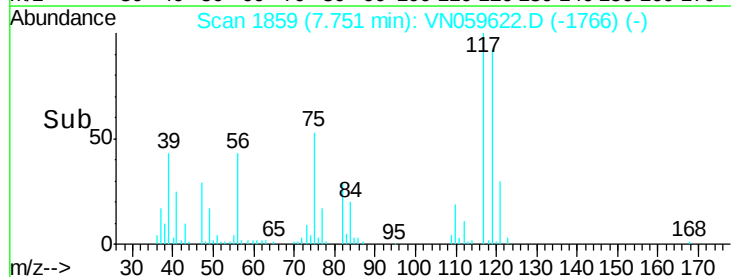
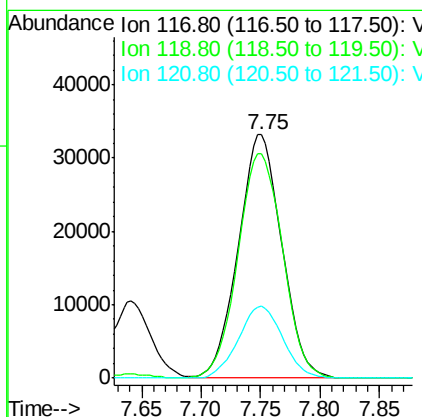
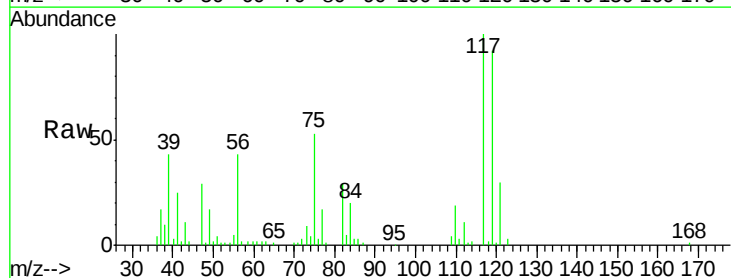
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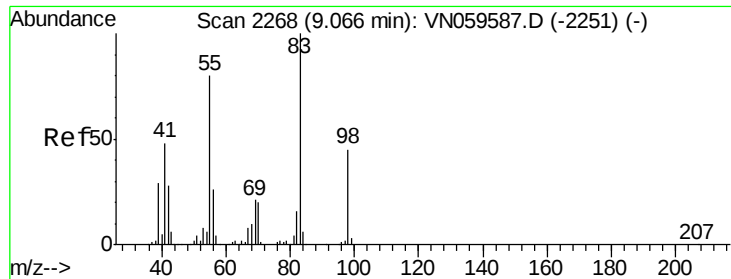
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#38
Carbon Tetrachloride
Concen: 19.439 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	117	119	121
Ion	117	119	121
Ratio	100	92.0	29.5
Lower		76.5	25.1
Upper		114.7	37.7





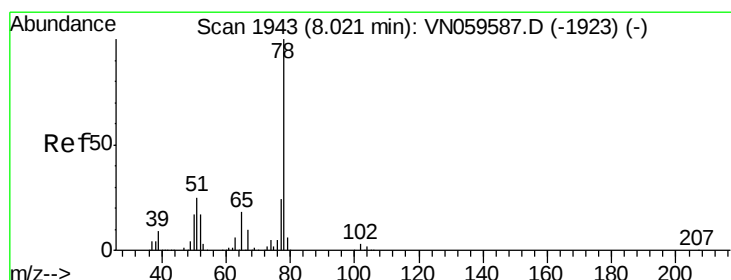
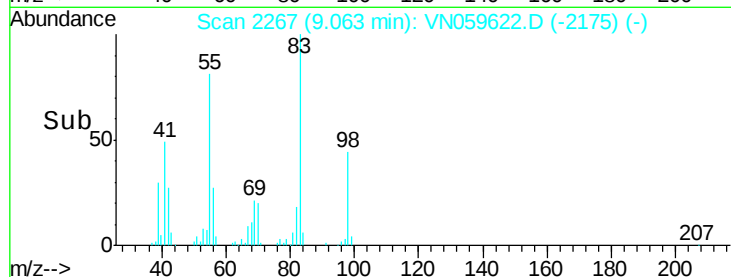
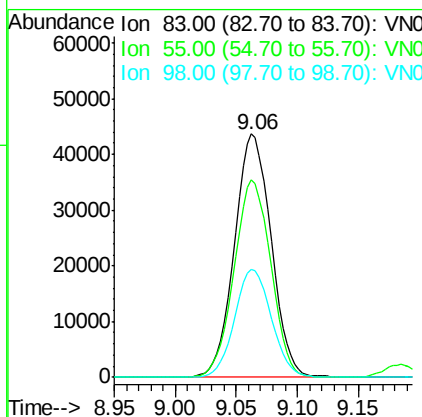
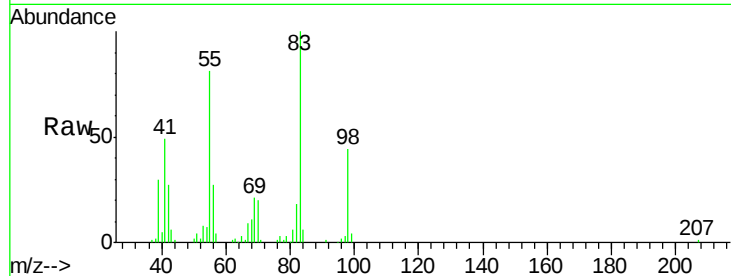
#39
Methvlcvclohexane
Concen: 19.298 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	64.2	96.2
98	44.2	35.9	53.9

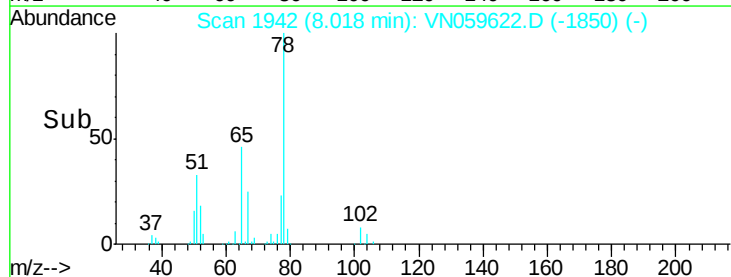
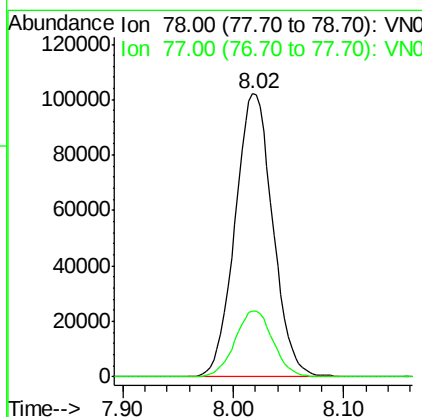
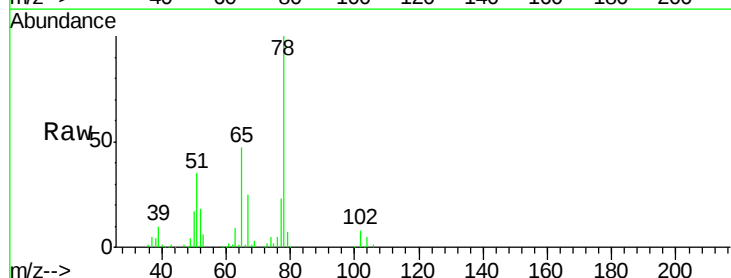
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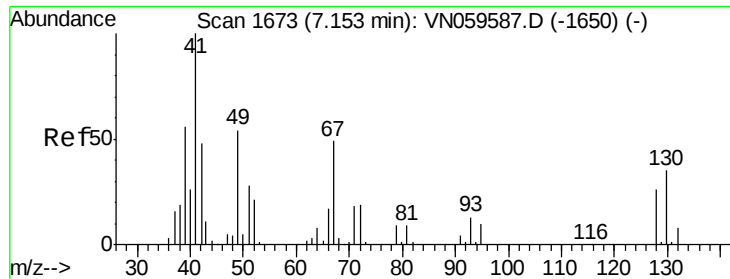
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#40
Benzene
Concen: 19.881 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





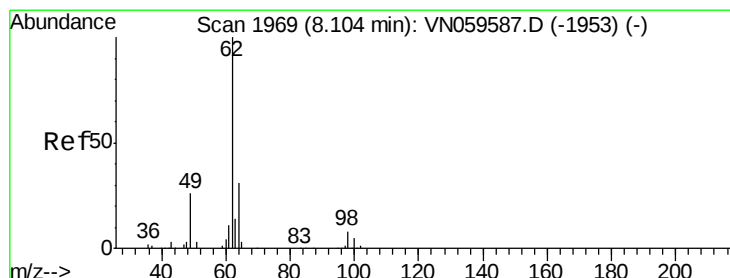
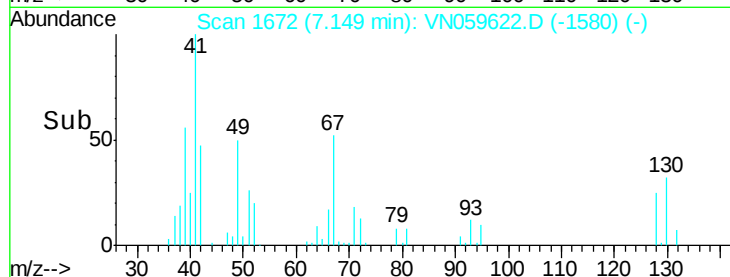
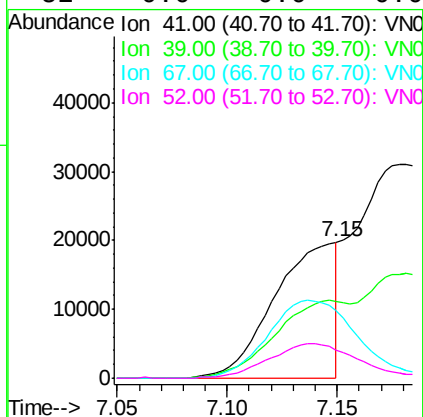
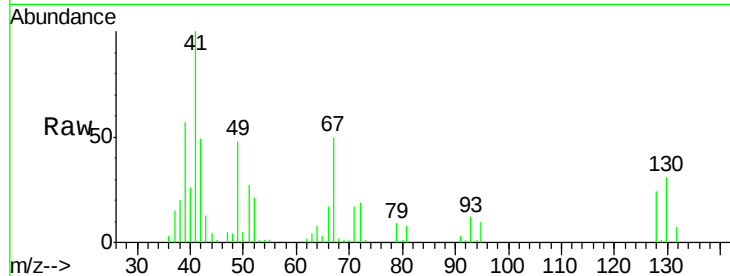
#41
Methacrylonitrile
Concen: 19.346 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	41	Resp:	38591
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

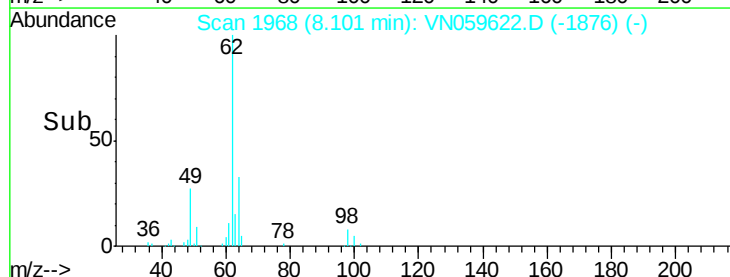
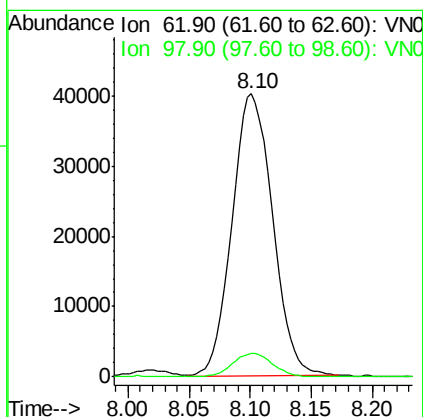
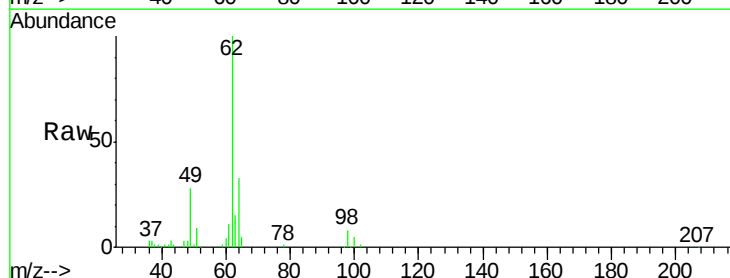
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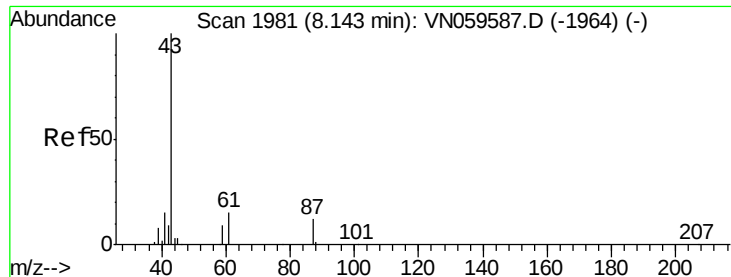
apatel
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#42
1,2-Dichloroethane
Concen: 19.899 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	62	Resp:	92615
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.415 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

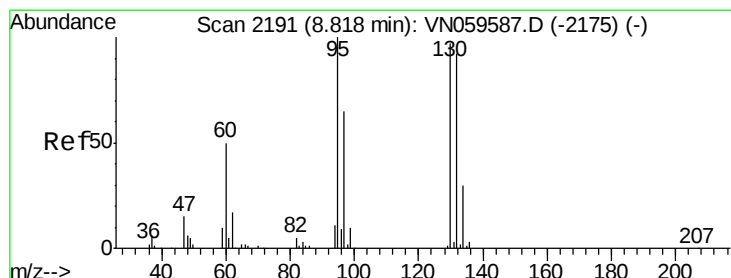
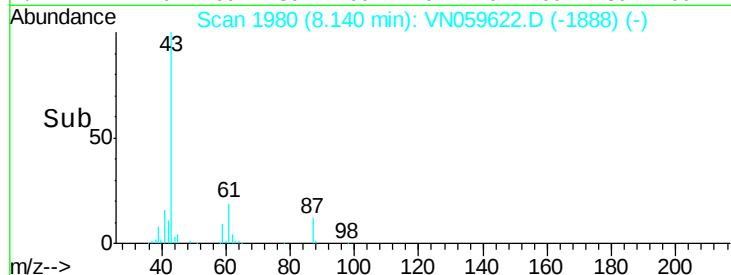
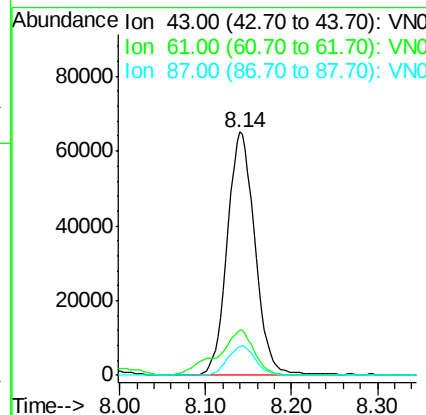
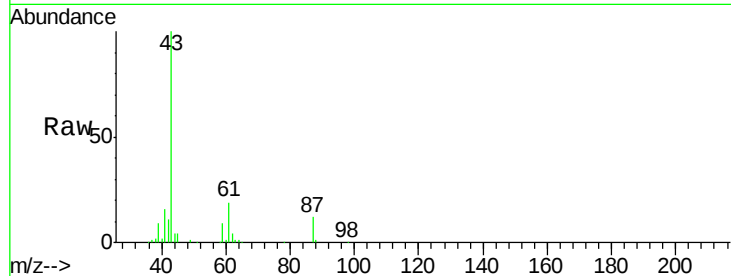
ClientSampleId :

VN1217WBS01

Tot Ion:	43	Resp:	145894
Ion Ratio		Lower	Upper
43	100		
61	24.7	20.2	30.2
87	11.9	9.5	14.3

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#44

Trichloroethene

Concen: 19.416 ug/l

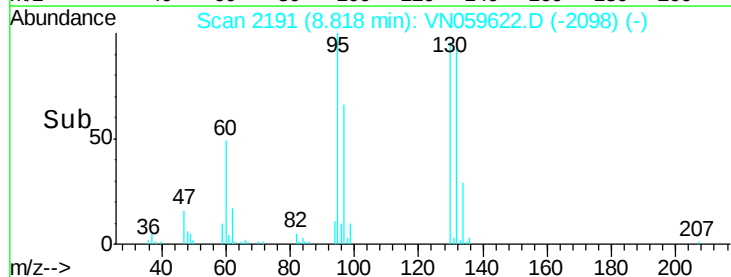
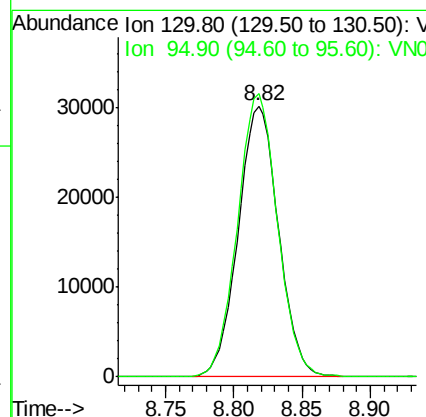
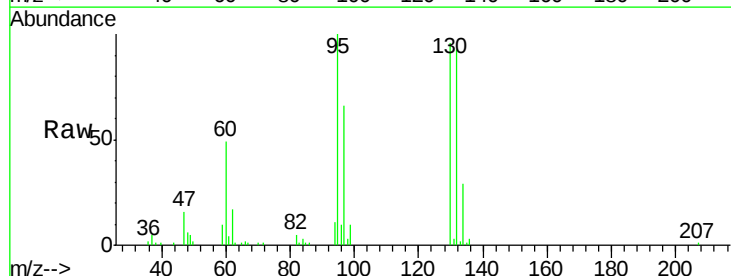
RT: 8.82 min Scan# 2191

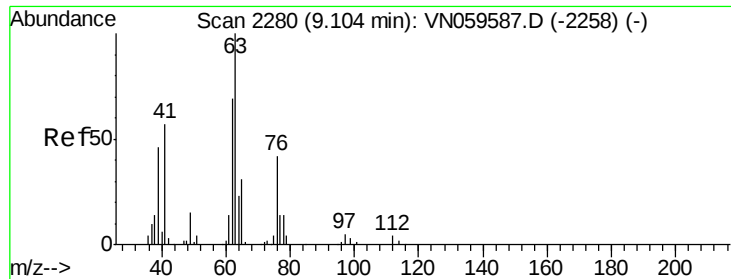
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	130	Resp:	61808
Ion Ratio		Lower	Upper
130	100		
95	104.6	0.0	207.0





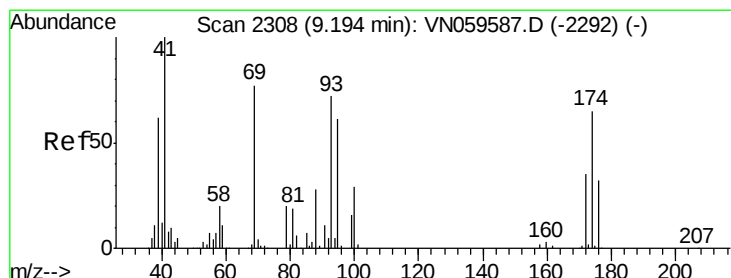
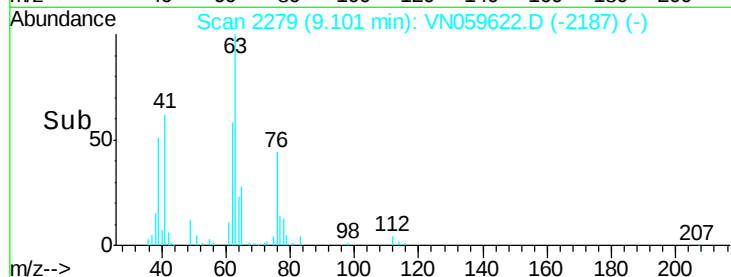
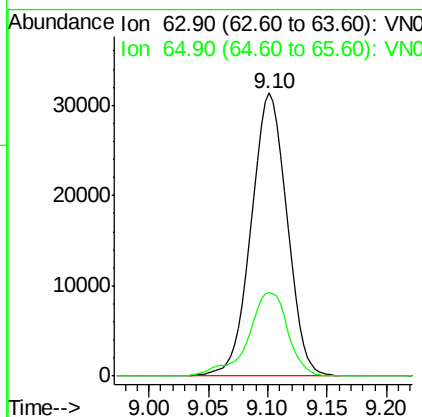
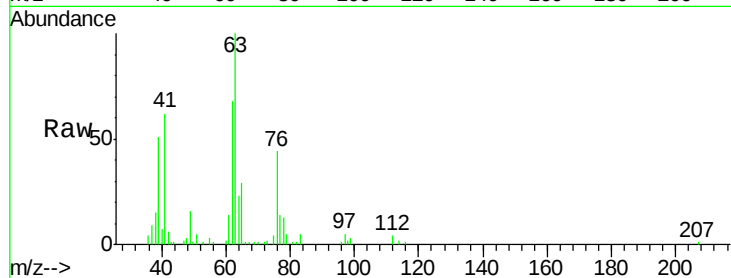
#45
 1,2-Dichloropropane
 Concen: 19.958 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.9	37.3

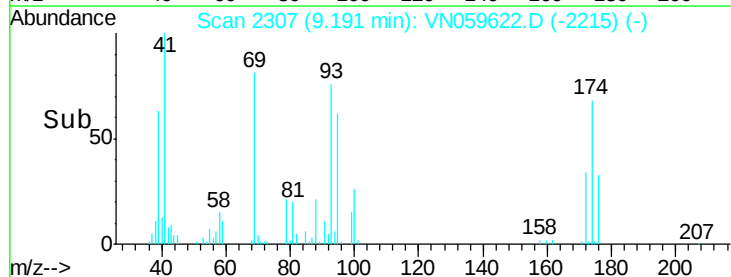
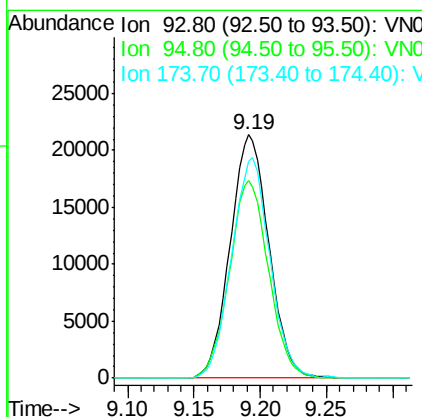
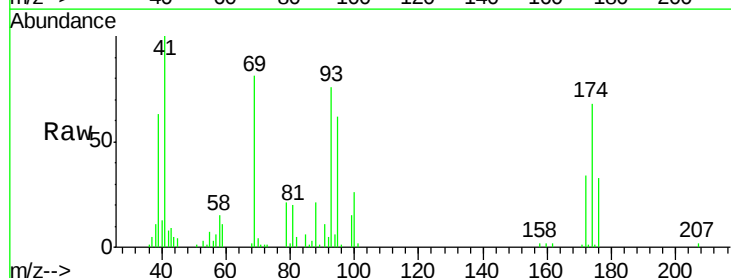
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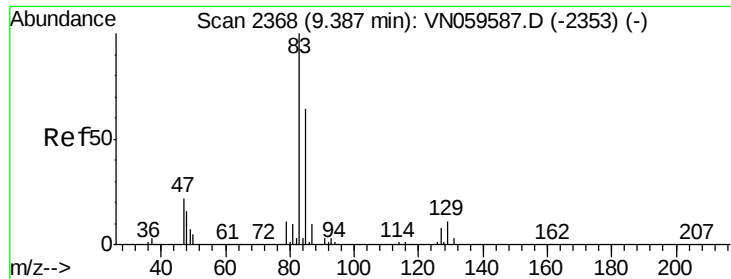
apatel
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#46
 Dibromomethane
 Concen: 20.144 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	67.0	100.6
174	89.6	73.4	110.2





#47

Bromodichloromethane

Concen: 19.816 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

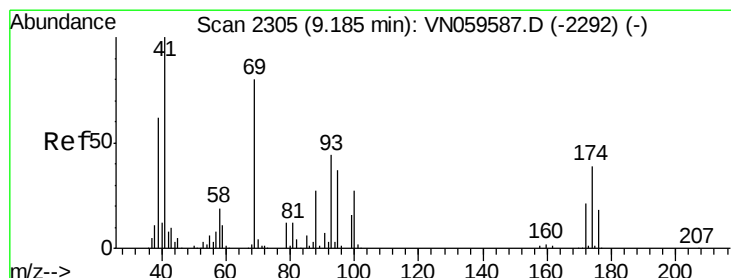
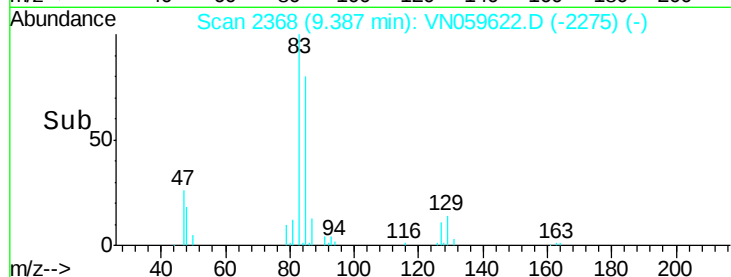
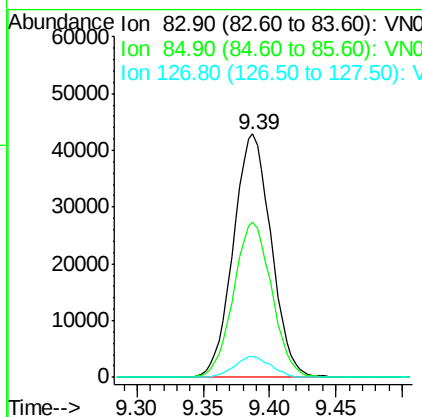
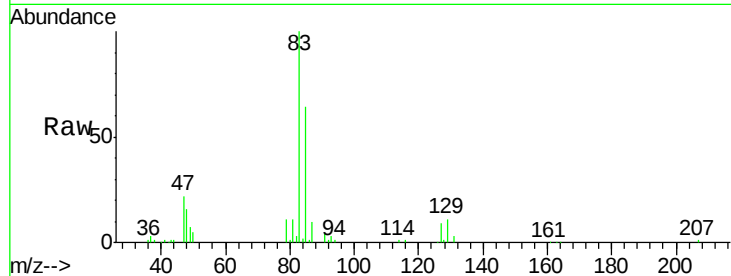
ClientSampleId :

VN1217WBS01

Tot Ion:	83	Resp:	84943
Ion Ratio	Lower	Upper	
83	100		
85	63.8	51.1	76.7
127	8.6	6.6	9.8

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#48

Methyl methacrylate

Concen: 18.453 ug/l

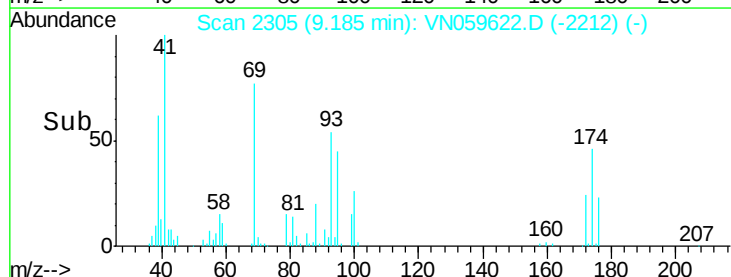
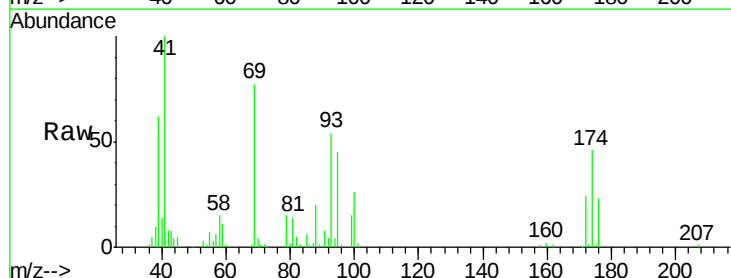
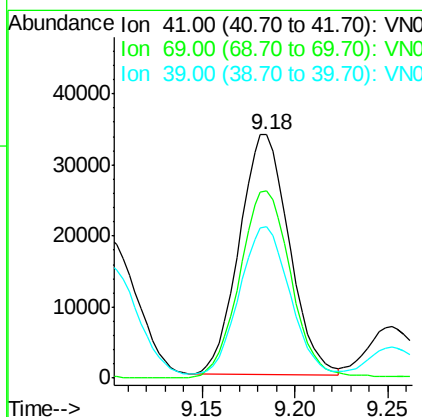
RT: 9.18 min Scan# 2305

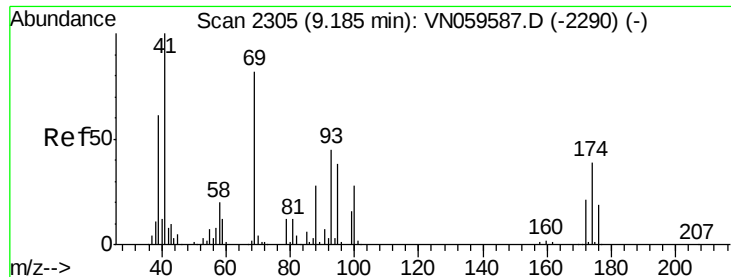
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	41	Resp:	62913
Ion Ratio	Lower	Upper	
41	100		
69	81.2	64.4	96.6
39	64.9	51.3	76.9





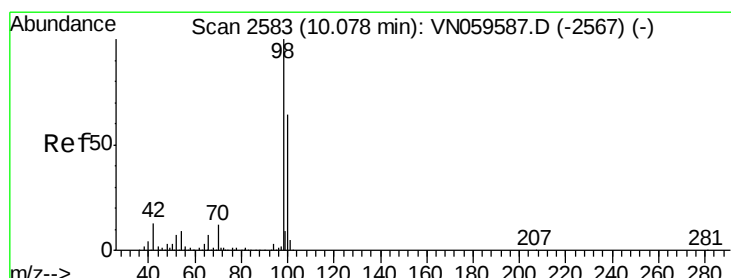
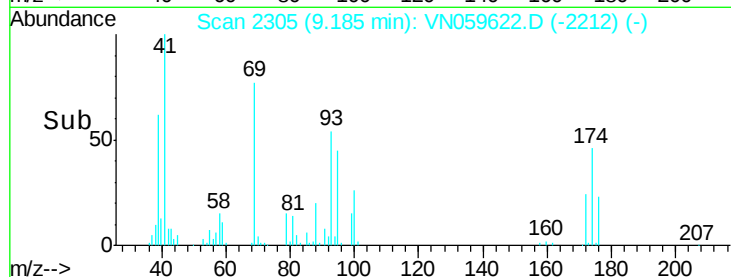
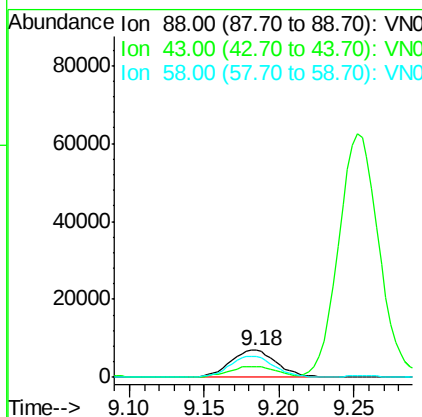
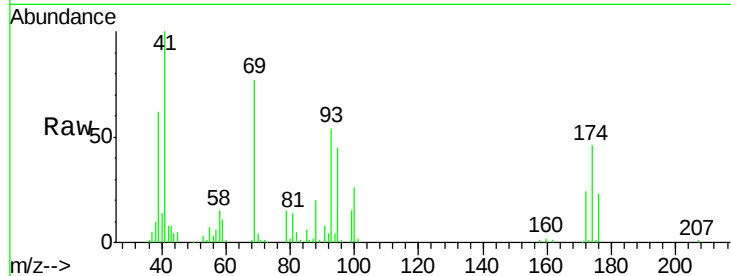
#49
1,4-Dioxane
Concen: 305.964 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	88	Resp	14949
Ion	Ratio	Lower	Upper
88	100		
43	41.7	29.7	44.5
58	75.4	56.6	85.0

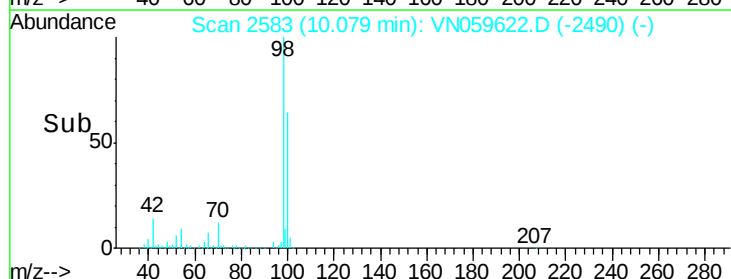
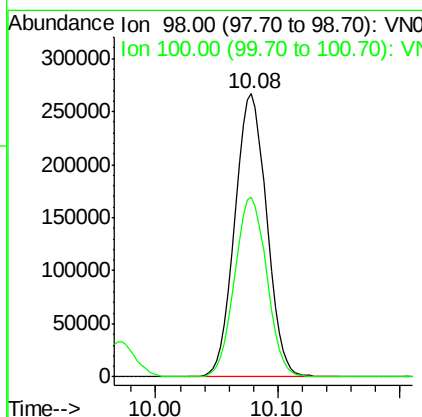
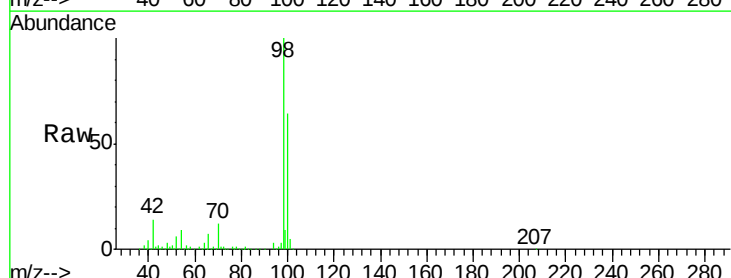
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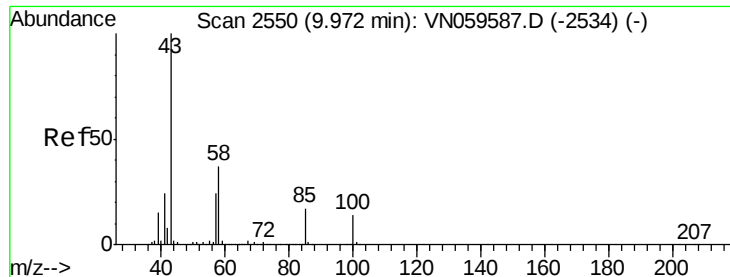
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#50
Toluene-d8
Concen: 48.930 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	98	Resp	483352
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.656 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

VN1217WBS01

Tot Ion: 43 Resp: 446502

Ion Ratio Lower Upper

43 100

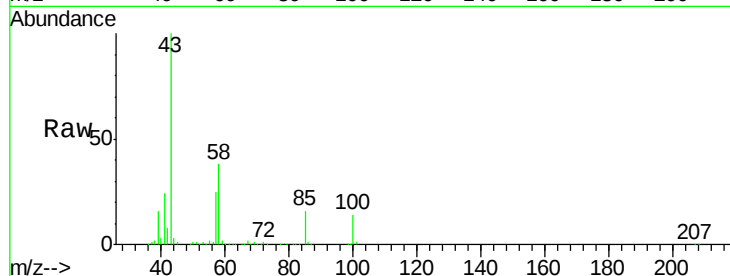
58 36.6 29.8 44.8

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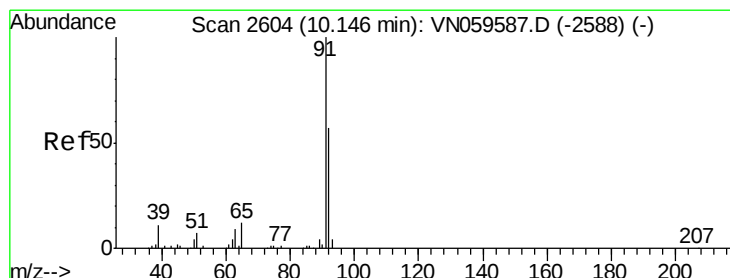
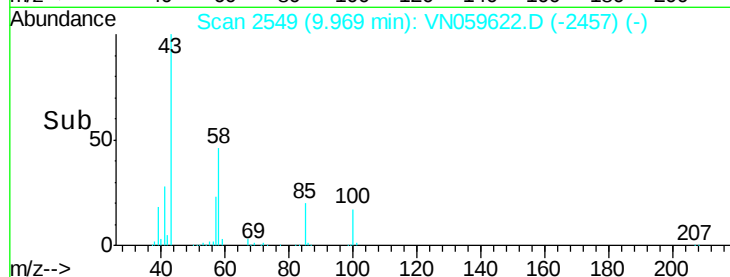
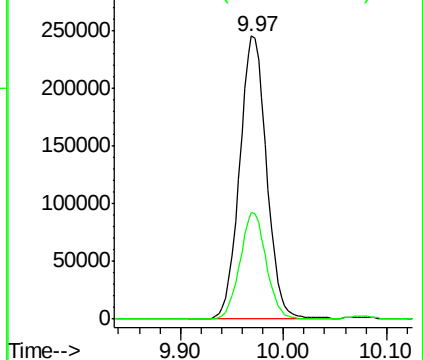
apatel

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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: 19.544 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059622.D

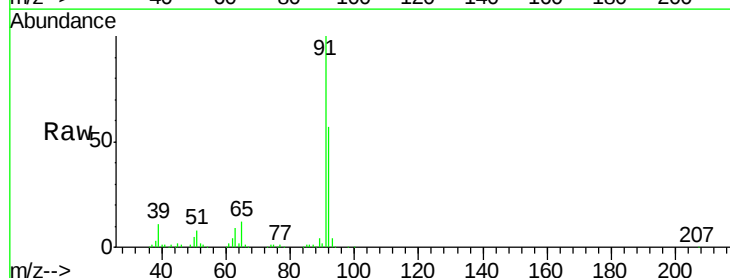
Acq: 17 Dec 2019 14:15

Tgt Ion: 92 Resp: 145940

Ion Ratio Lower Upper

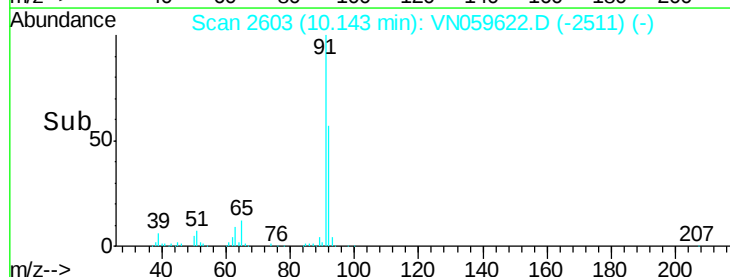
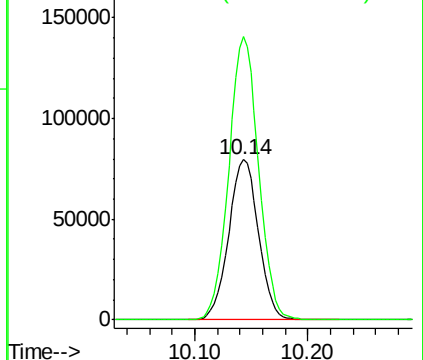
92 100

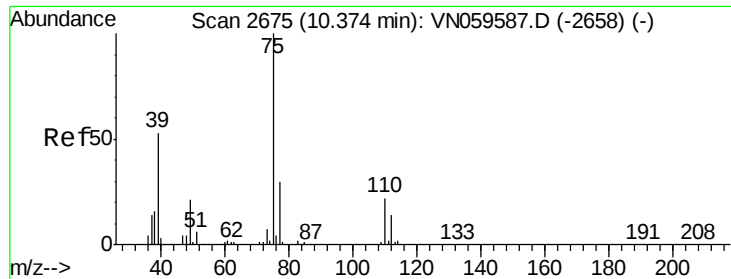
91 175.7 140.4 210.6



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: 19.634 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 75 Resp: 97341

Ion Ratio Lower Upper

75 100

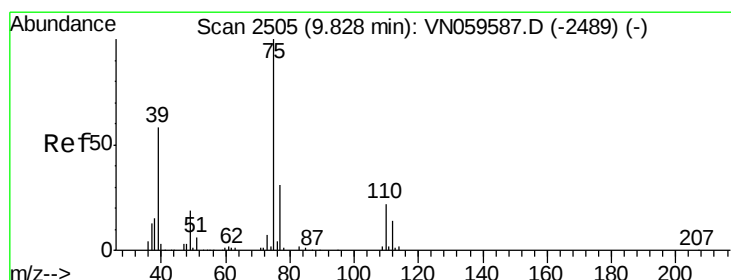
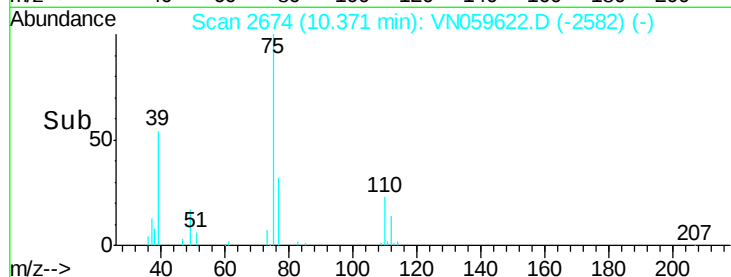
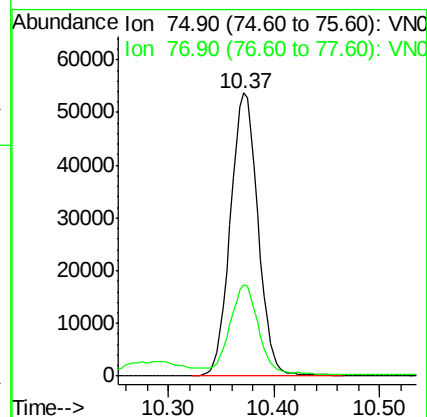
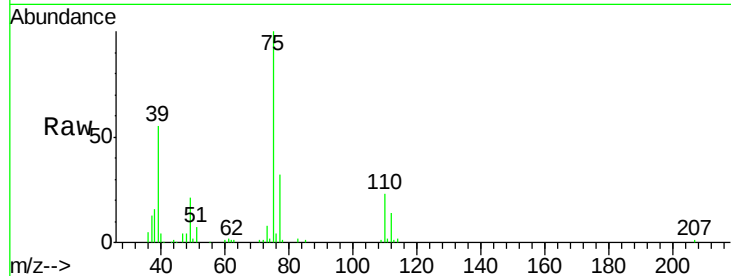
77 31.7 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 19.751 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

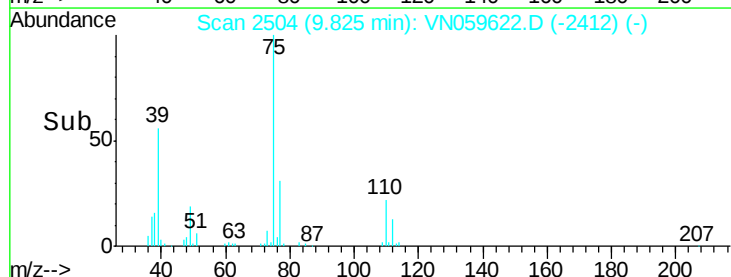
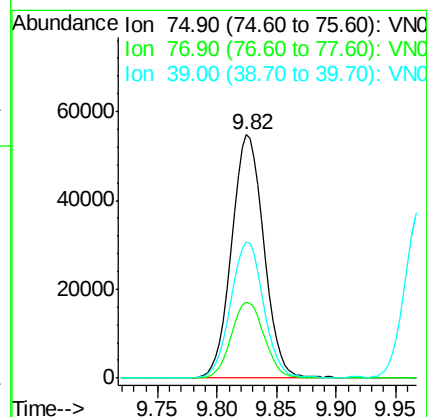
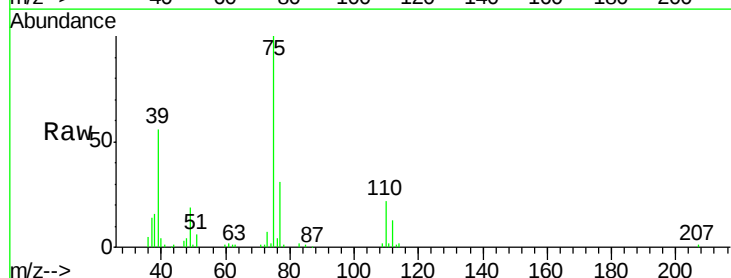
Tgt Ion: 75 Resp: 102927

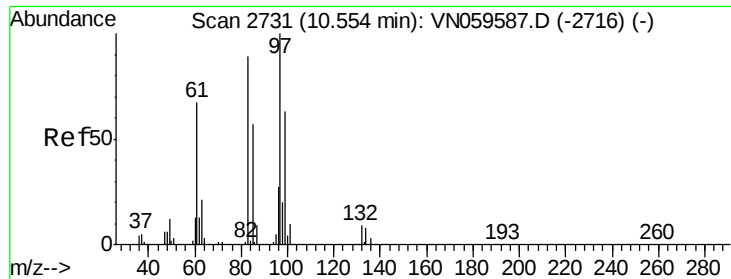
Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 55.9 46.1 69.1





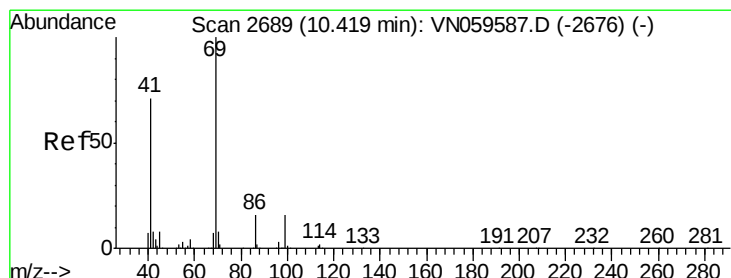
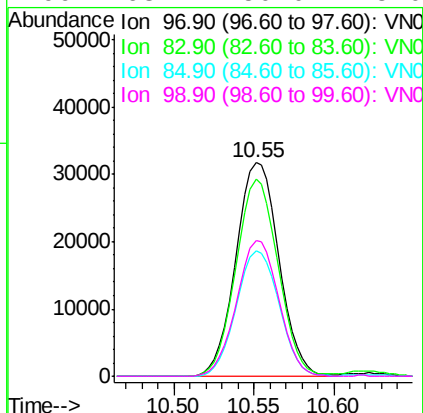
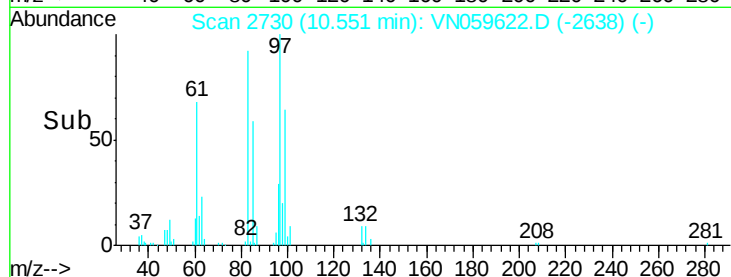
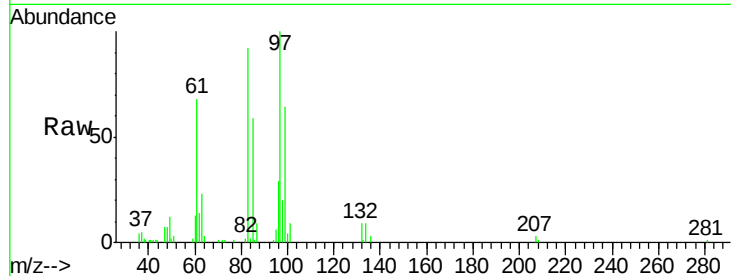
#55
 1,1,2-Trichloroethane
 Concen: 19.925 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion:	97	Resp:	58385
Ion	Ratio	Lower	Upper
97	100		
83	92.1	71.3	106.9
85	58.9	45.8	68.8
99	63.7	50.0	75.0

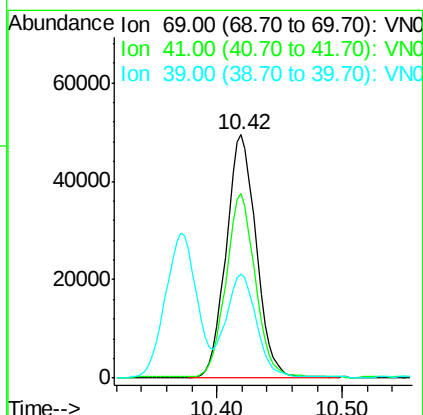
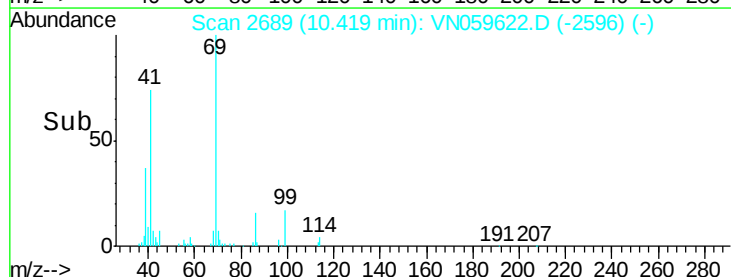
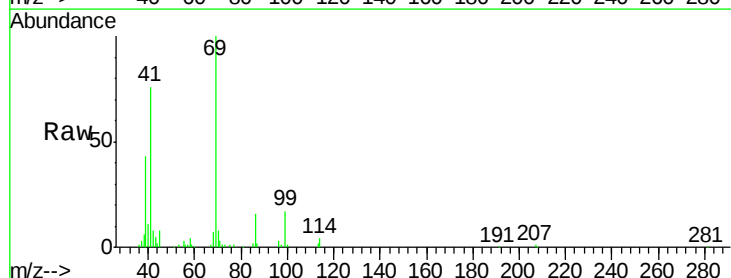
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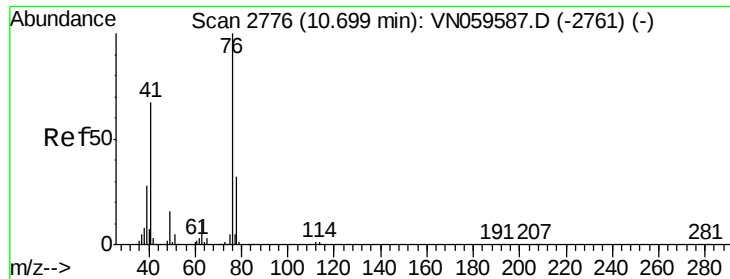
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#56
 Ethyl methacrylate
 Concen: 19.029 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion:	69	Resp:	82774
Ion	Ratio	Lower	Upper
69	100		
41	72.9	57.1	85.7
39	42.0	34.7	52.1





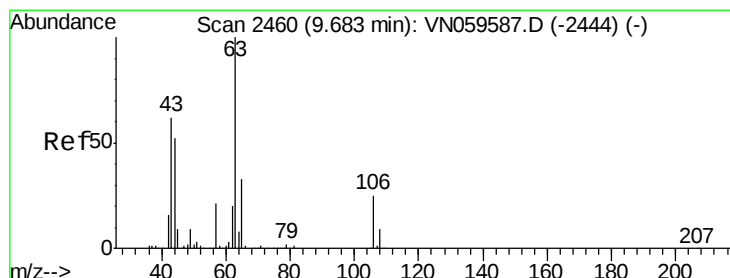
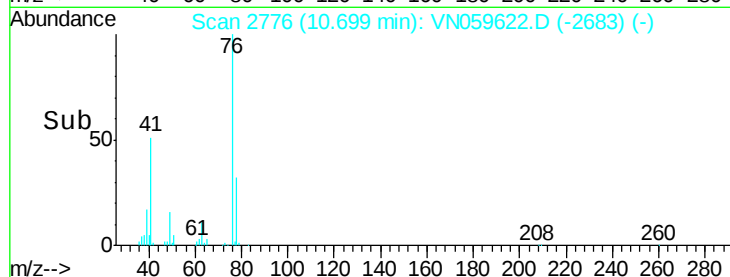
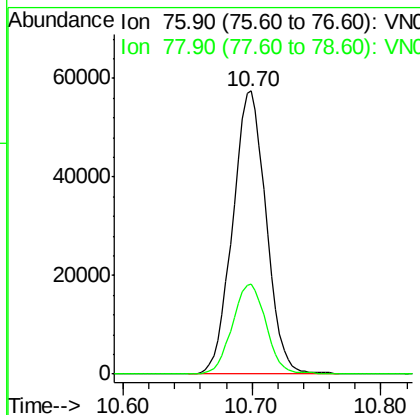
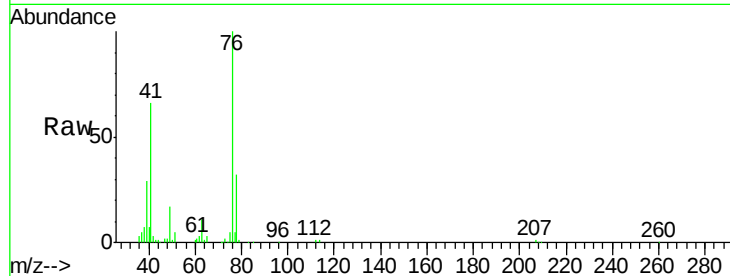
#57
 1,3-Dichloropropane
 Concen: 20.260 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

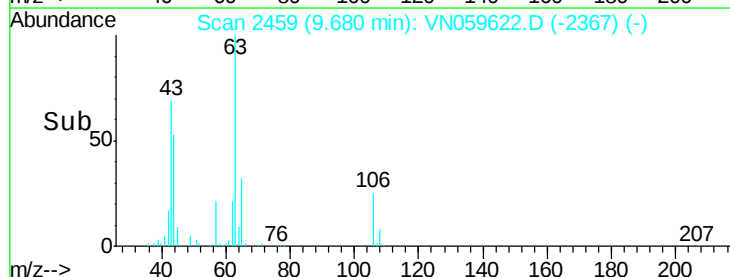
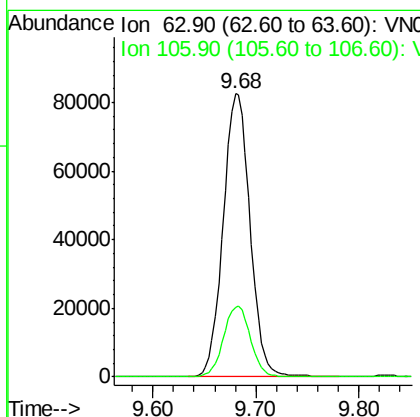
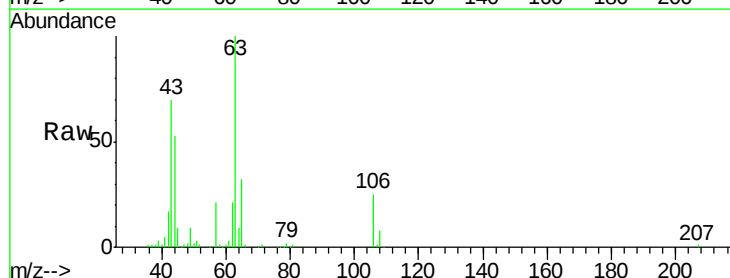
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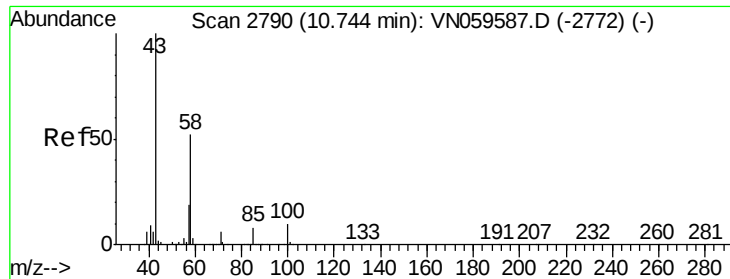
apatel
 12/18/2019 10:05:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.428 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.2	30.2





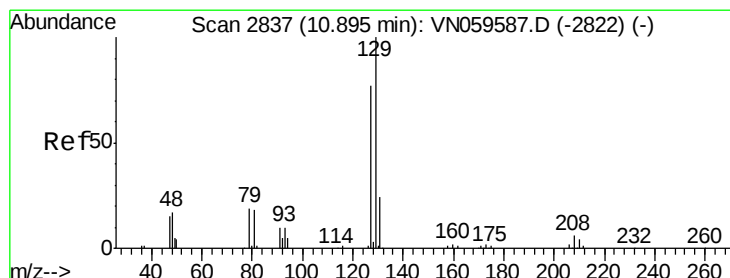
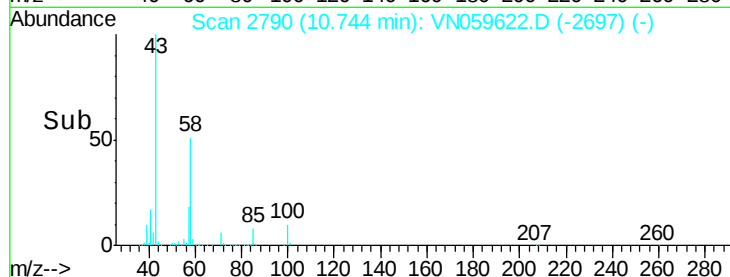
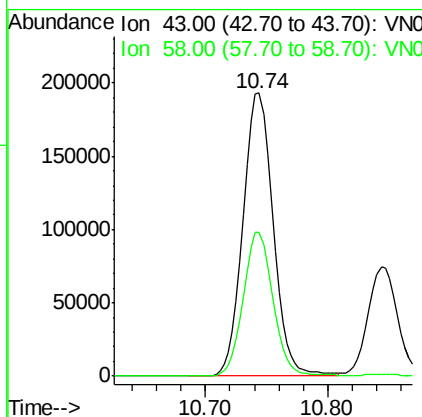
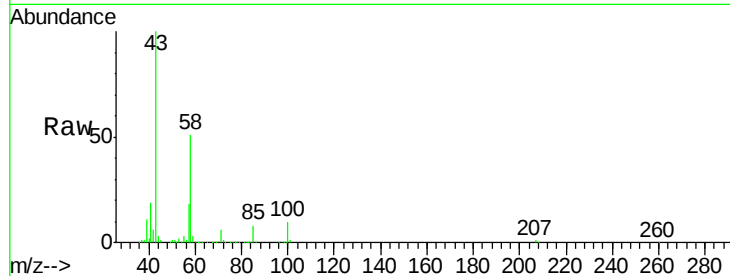
#59
2-Hexanone
Concen: 93.052 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 43 Resp: 328584
Ion Ratio Lower Upper
43 100
58 50.2 25.8 77.3

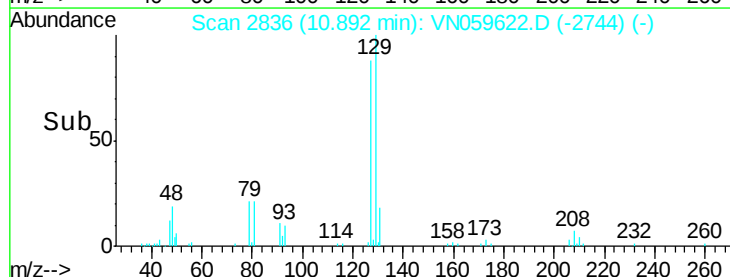
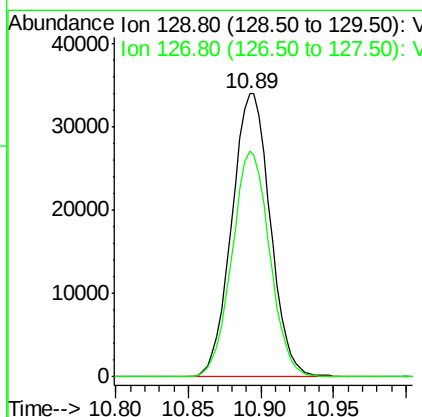
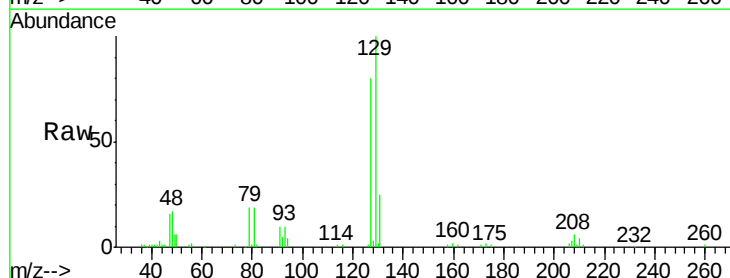
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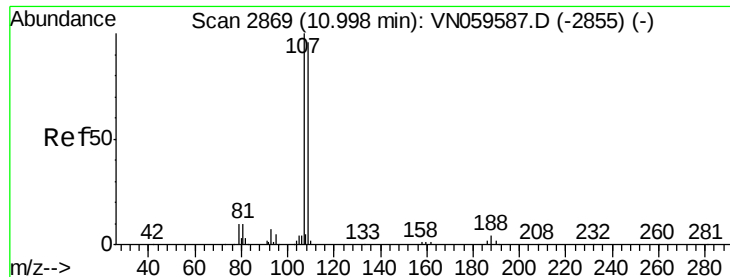
apatel
12/18/2019 10:05:05 AM



#60
Dibromochloromethane
Concen: 19.624 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion: 129 Resp: 62758
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.303 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:107 Resp: 59986

Ion Ratio Lower Upper

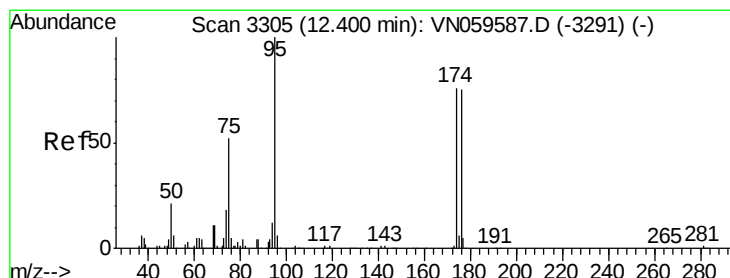
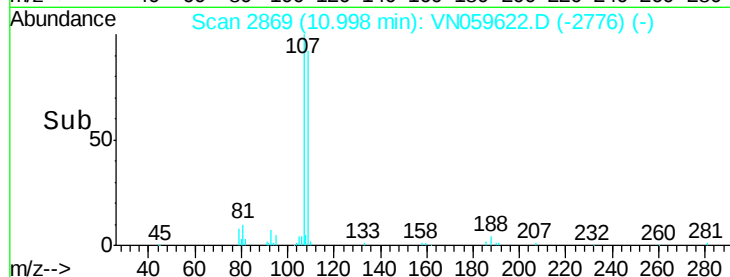
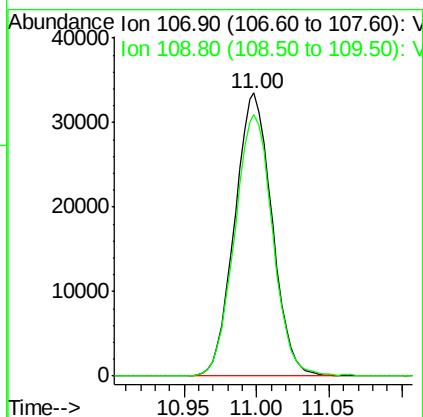
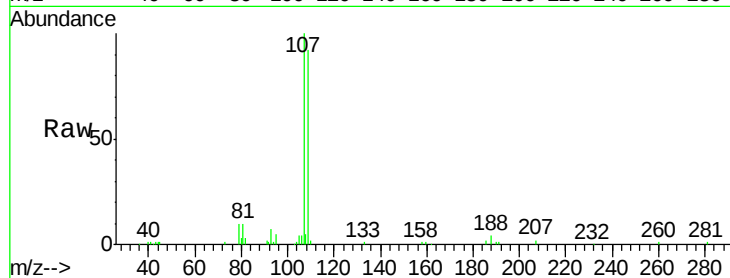
107 100

109 93.9 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 47.325 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

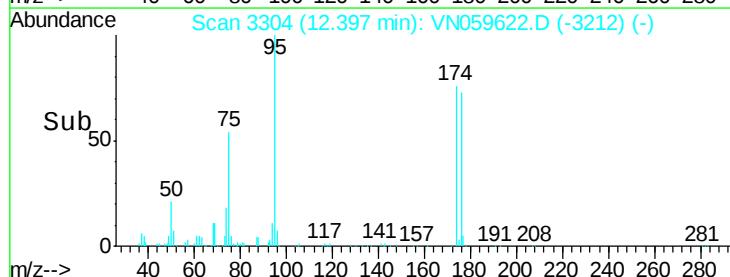
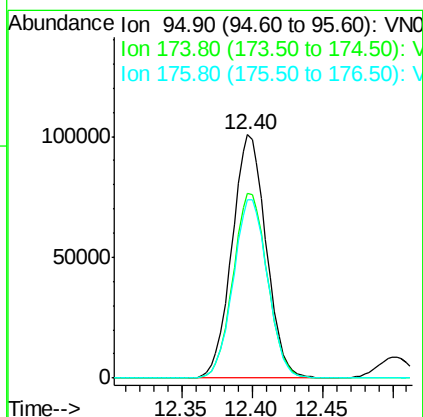
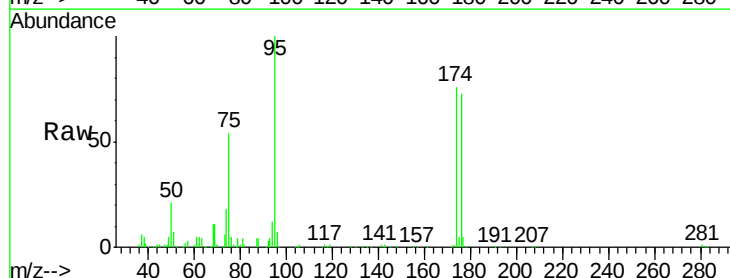
Tgt Ion: 95 Resp: 170583

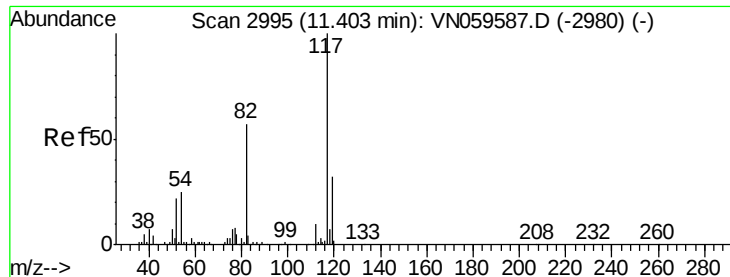
Ion Ratio Lower Upper

95 100

174 76.3 0.0 151.4

176 74.3 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: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

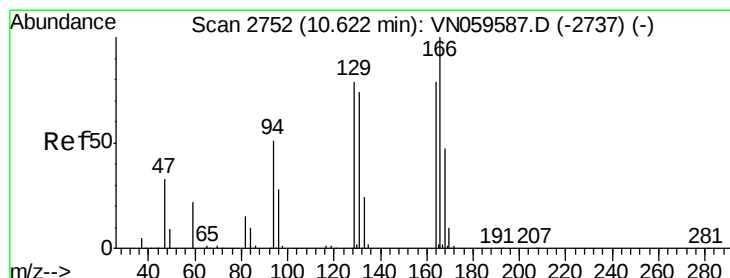
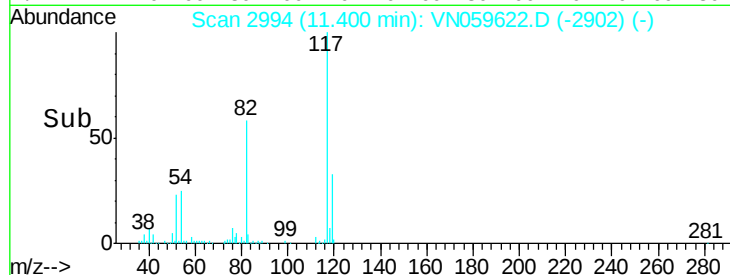
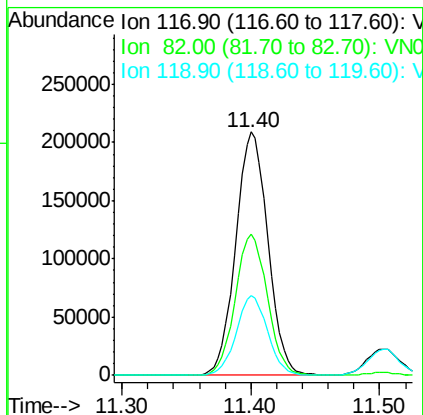
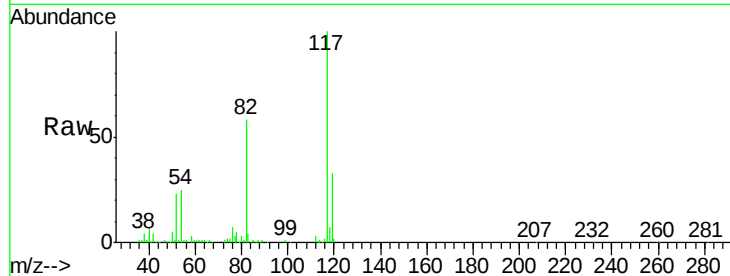
ClientSampleId :

VN1217WBS01

Tot Ion:	117	Resp:	362498
Ion Ratio	Lower	Upper	
117	100		
82	57.9	45.9	68.9
119	32.8	25.5	38.3

Manual Integrations
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#64

Tetrachloroethene

Concen: 17.581 ug/l

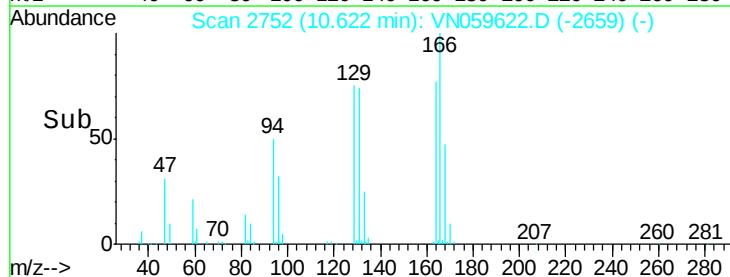
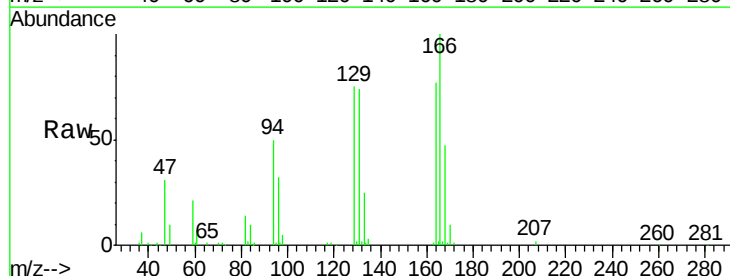
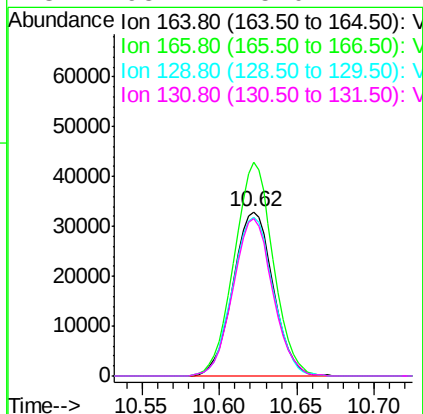
RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	164	Resp:	59411
Ion Ratio	Lower	Upper	
164	100		
166	129.9	101.4	152.0
129	96.8	80.2	120.4
131	95.7	75.0	112.4





#65

Chlorobenzene

Concen: 19.474 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:112 Resp: 152747

Ion Ratio Lower Upper

112 100

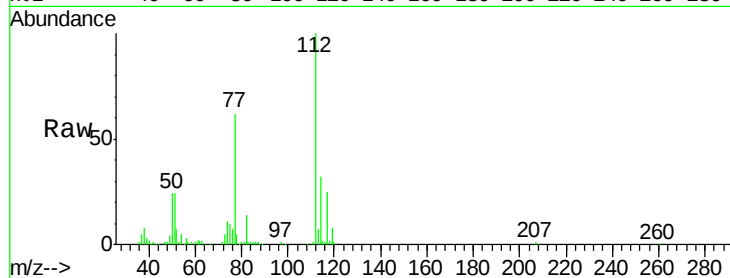
114 32.3 25.8 38.8

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

80000

60000

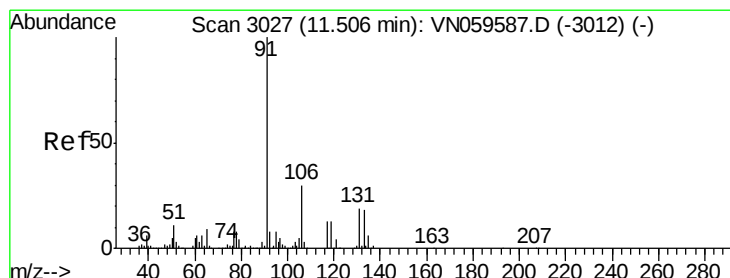
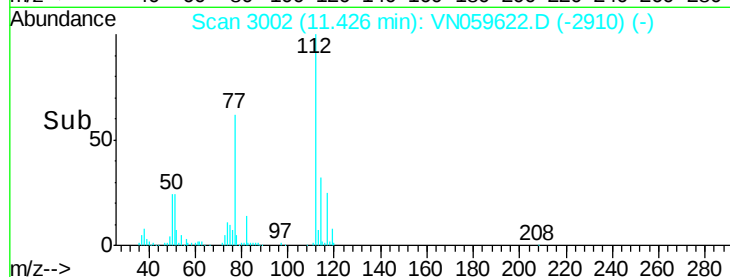
40000

20000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.582 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

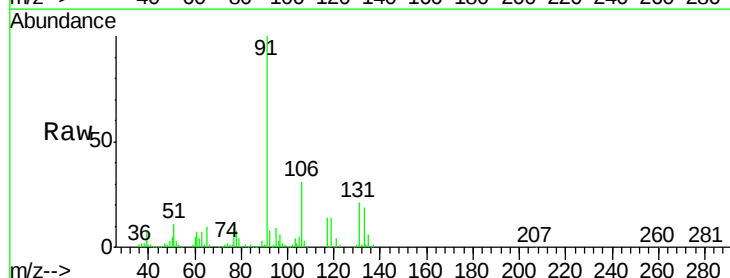
Tgt Ion:131 Resp: 58339

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.2

119 66.4 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

11.50

40000

30000

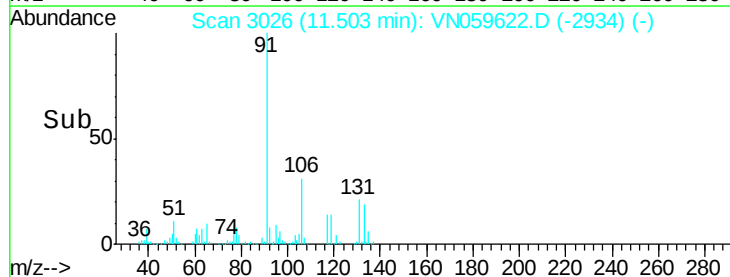
20000

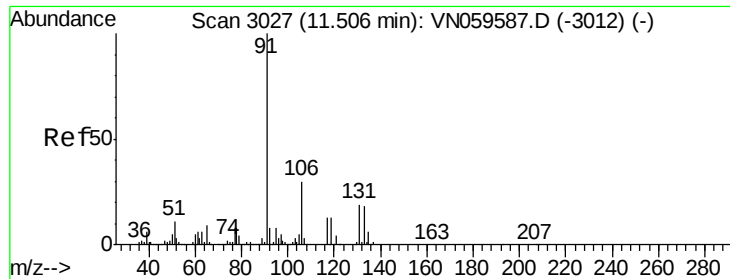
10000

0

11.45 11.50 11.55

Time-->





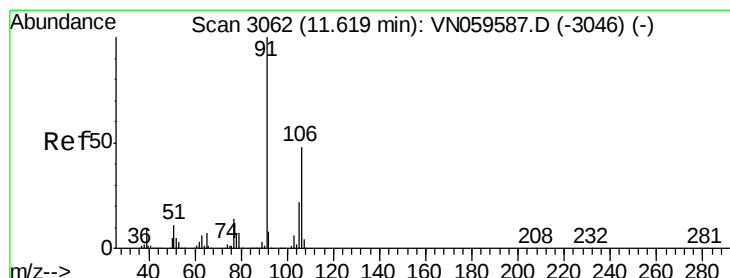
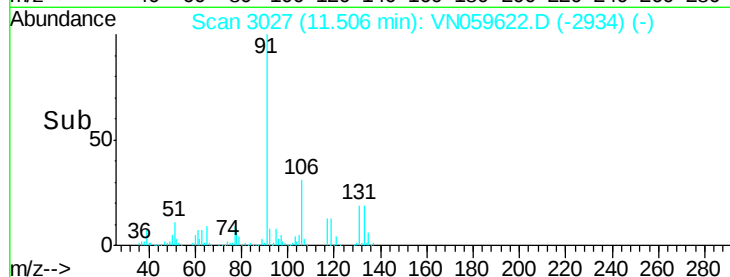
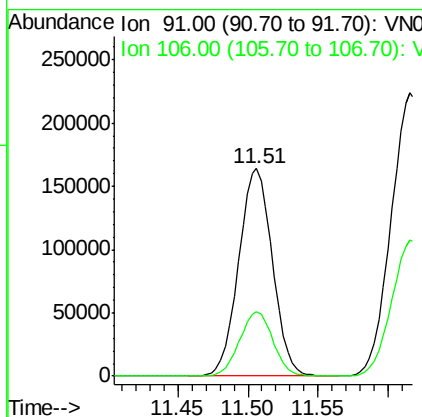
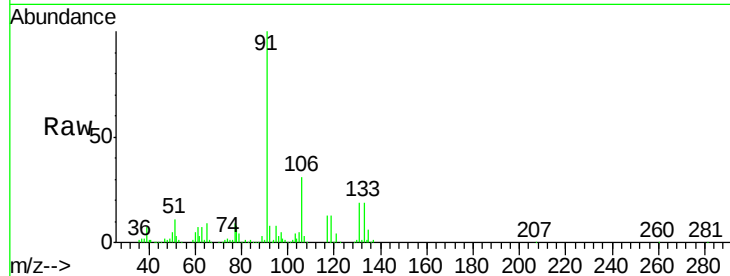
#67
Ethyl Benzene
Concen: 19.444 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion: 91 Resp: 275293
Ion Ratio Lower Upper
91 100
106 31.0 24.1 36.1

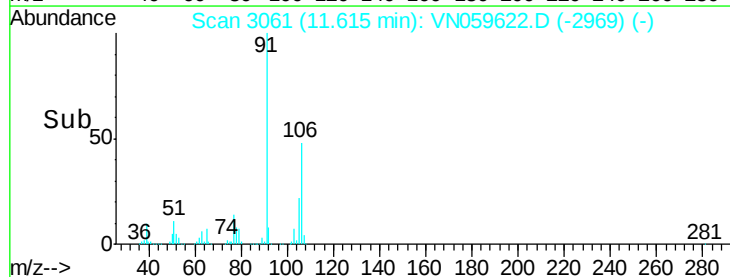
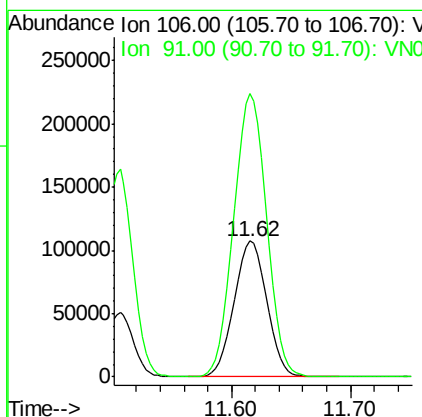
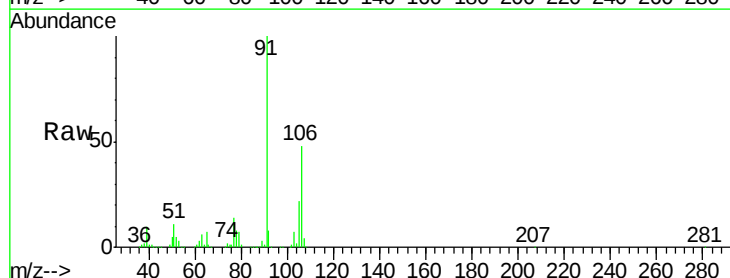
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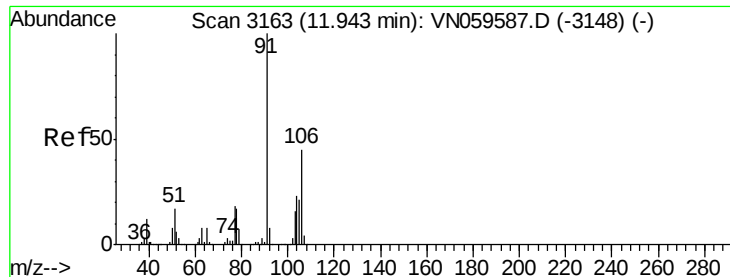
apatel
12/18/2019 10:05:05 AM



#68
m/p-Xylenes
Concen: 39.123 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion: 106 Resp: 204536
Ion Ratio Lower Upper
106 100
91 209.3 167.9 251.9





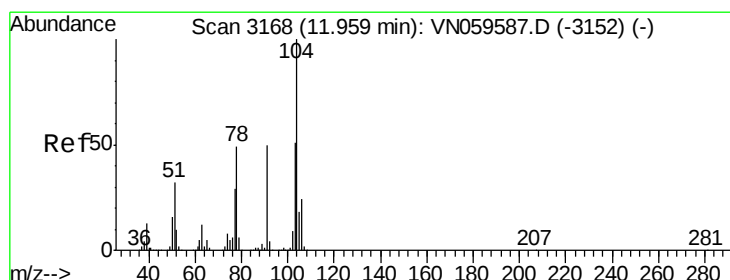
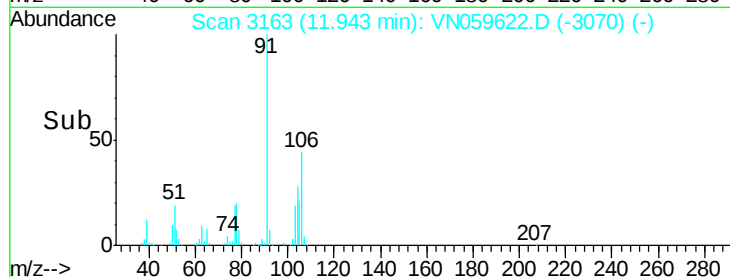
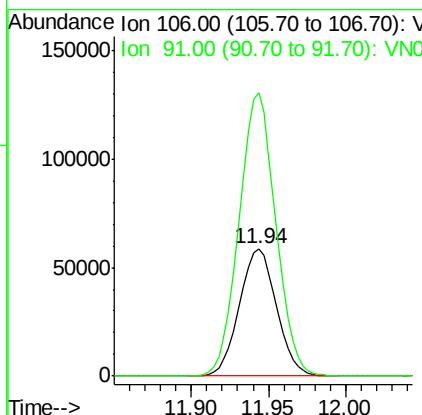
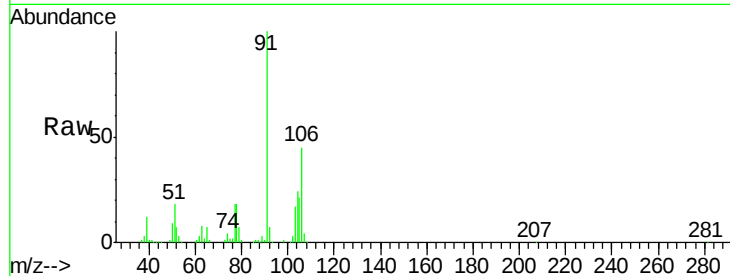
#69
o-Xylene
Concen: 19.671 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
VN1217WBS01

Tot Ion:106 Resp: 97856
Ion Ratio Lower Upper
106 100
91 219.7 110.3 330.9

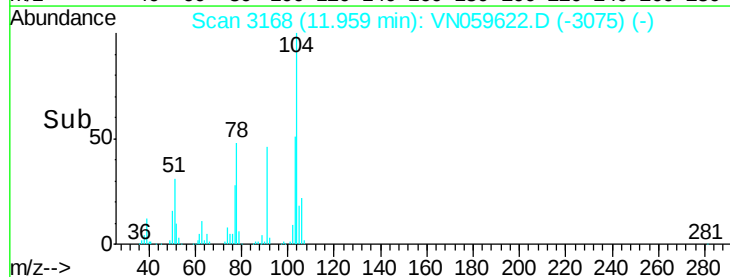
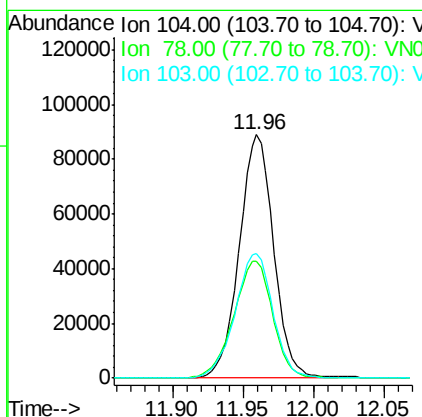
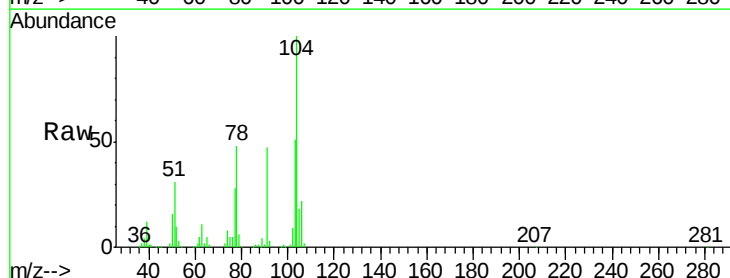
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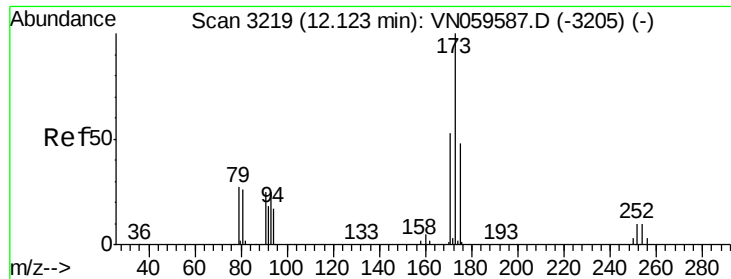
apatel
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#70
Styrene
Concen: 19.029 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion:104 Resp: 152094
Ion Ratio Lower Upper
104 100
78 54.4 42.4 63.6
103 56.4 43.9 65.9





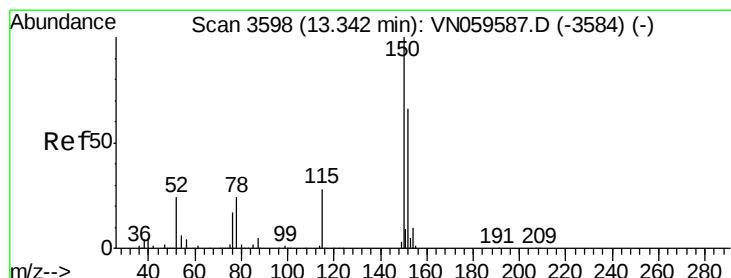
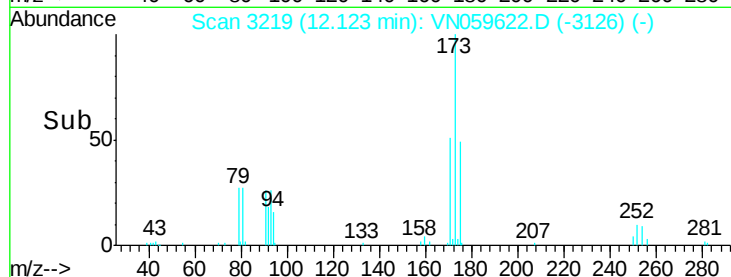
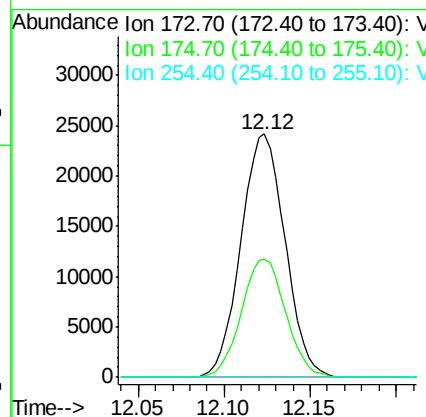
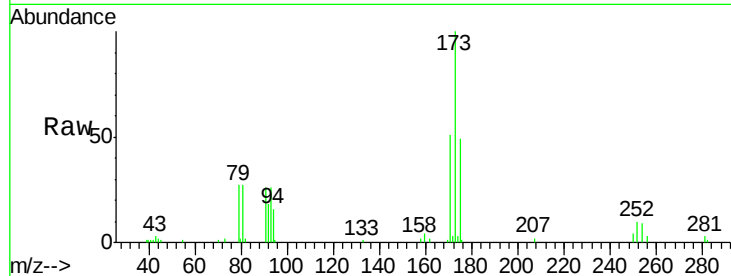
#71
Bromoform
Concen: 19.267 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.8	71.4
254	0.0	0.0	0.0

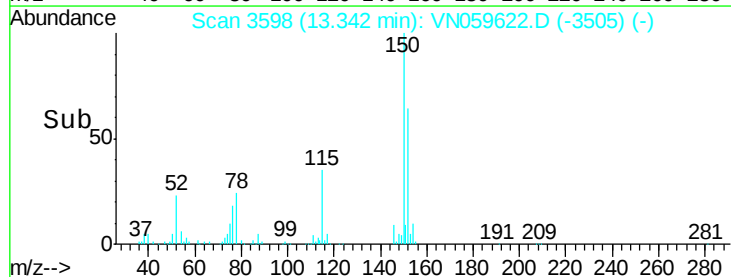
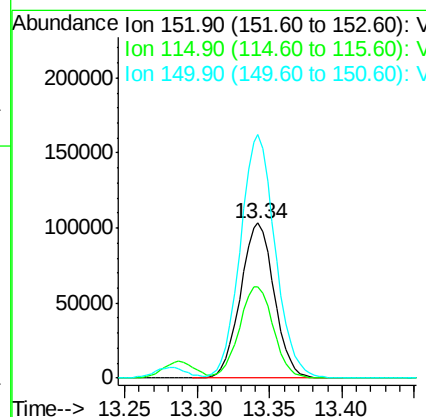
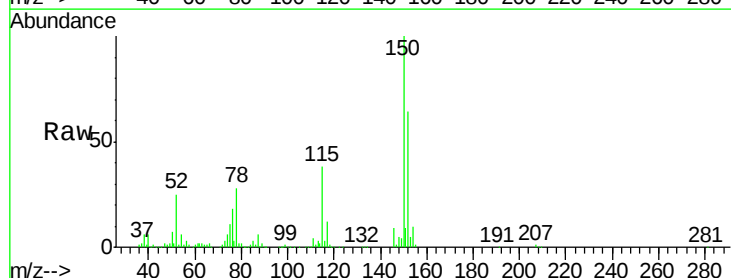
Manual Integrations
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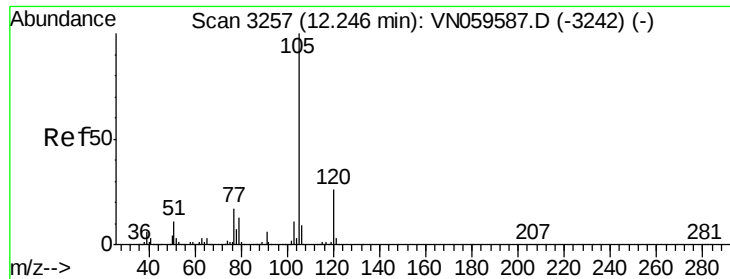
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.3	90.9
150	163.1	0.0	345.2





#73

Isopropylbenzene

Concen: 19.929 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion:105 Resp: 260978

Ion Ratio Lower Upper

105 100

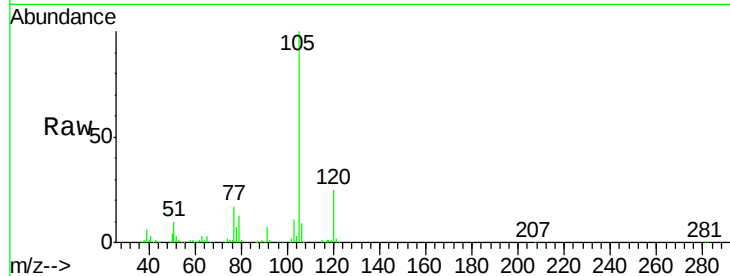
120 25.6 13.2 39.5

Manual Integrations

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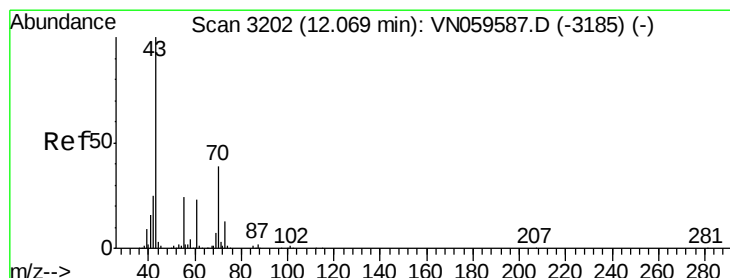
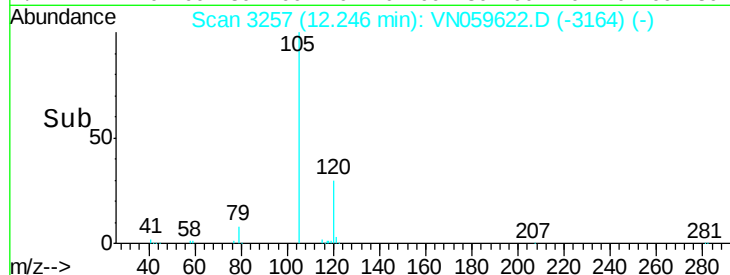
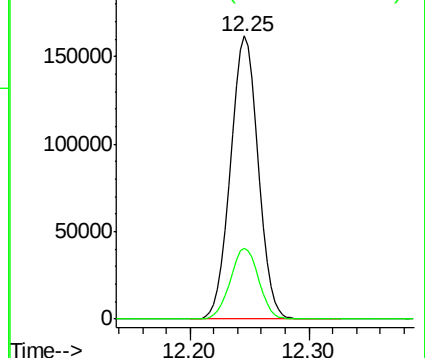
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.991 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion: 43 Resp: 114075

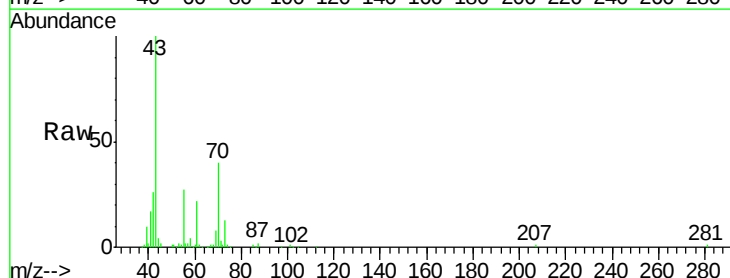
Ion Ratio Lower Upper

43 100

70 39.7 31.3 46.9

55 27.6 19.8 29.6

61 21.9 18.3 27.5

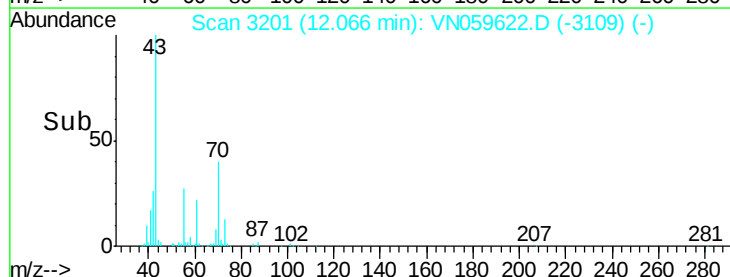
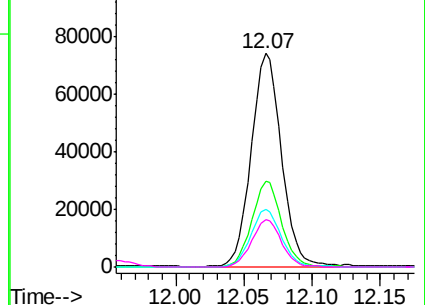


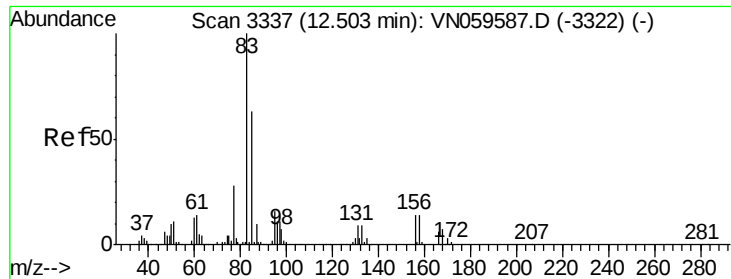
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.937 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

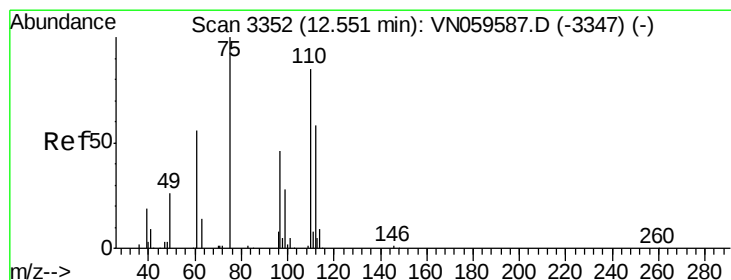
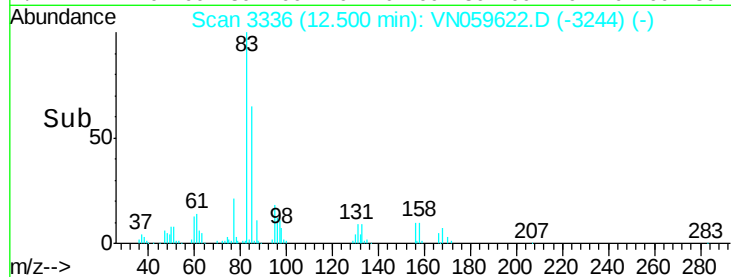
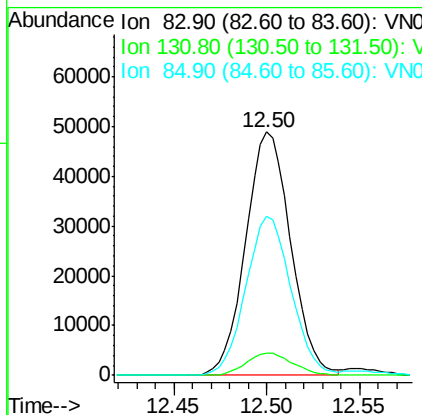
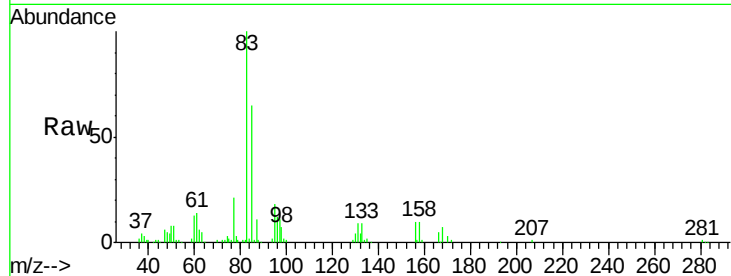
ClientSampleId :

VN1217WBS01

Tot Ion:	83	Resp:	82817
Ion Ratio	Lower	Upper	
83	100		
131	9.3	5.0	14.9
85	65.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.303 ug/l m

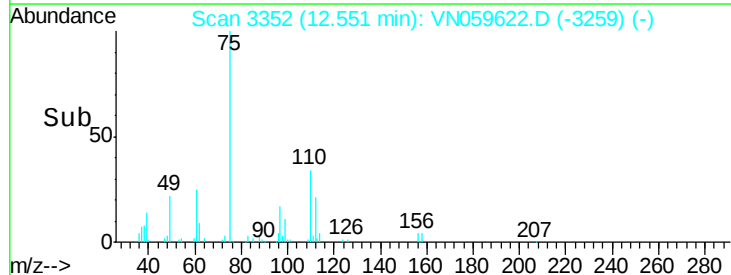
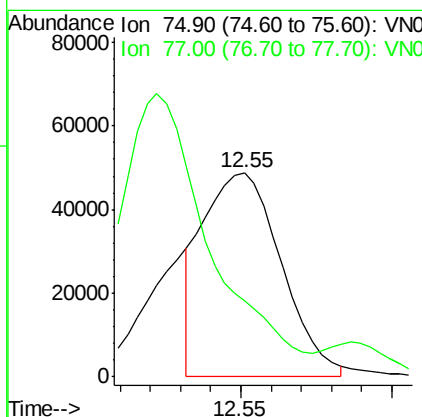
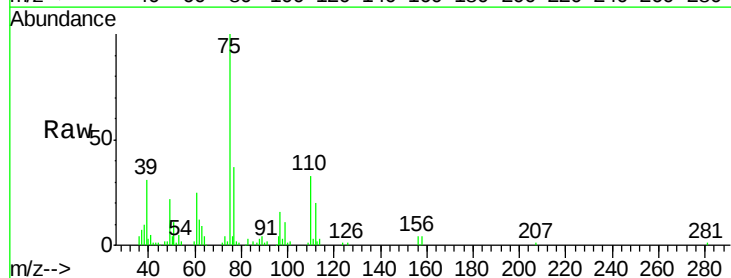
RT: 12.55 min Scan# 3352

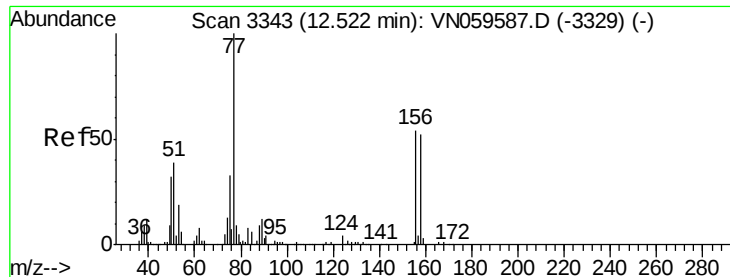
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	75	Resp:	87974
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





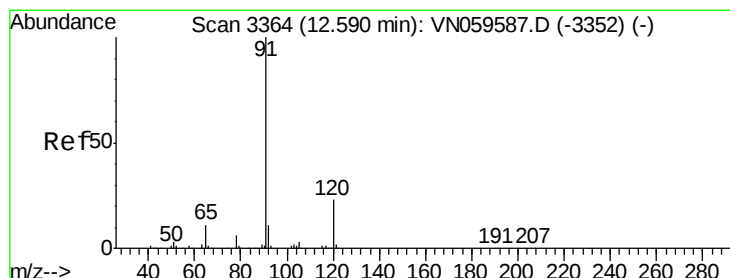
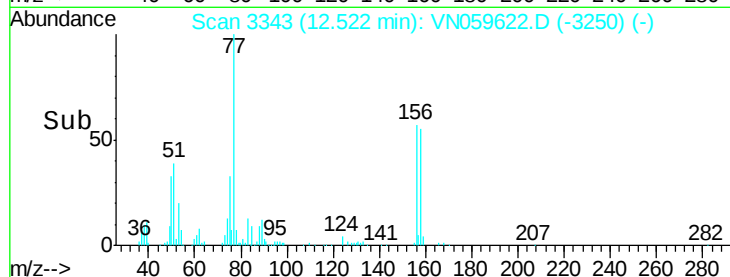
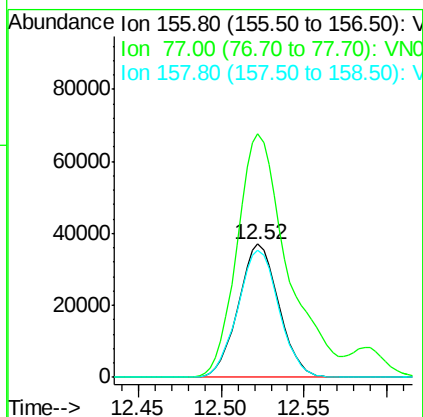
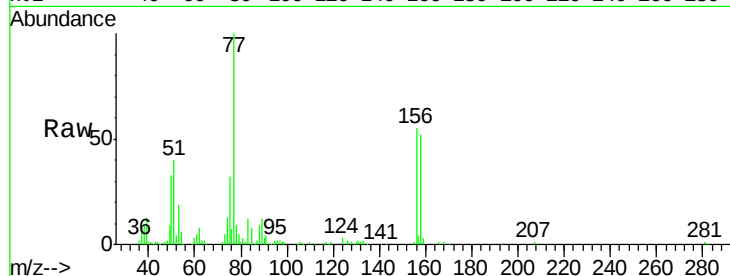
#77
Bromobenzene
Concen: 19.462 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	229.6	115.8	347.4
158	97.6	49.2	147.6

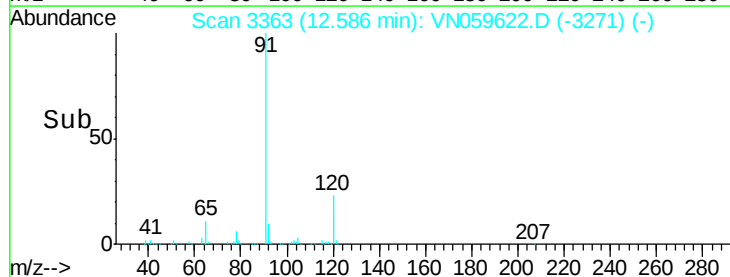
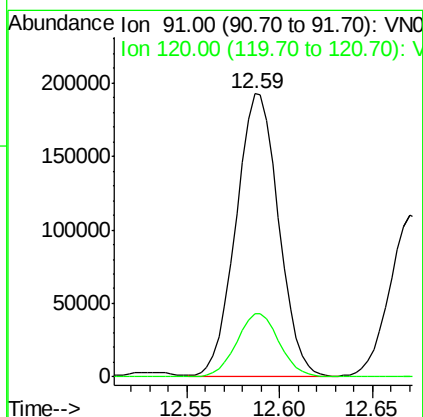
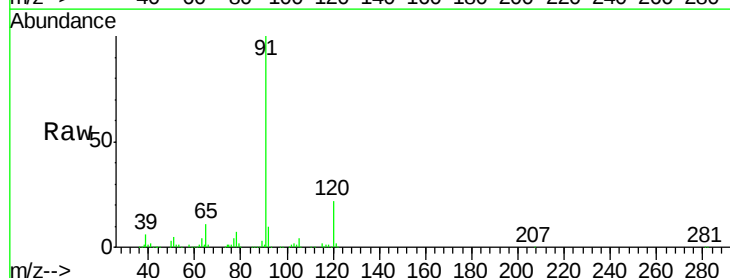
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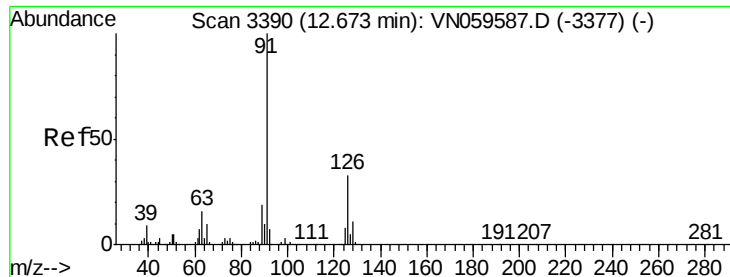
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#78
n-propylbenzene
Concen: 19.898 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.595 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBS01

Tot Ion: 91 Resp: 183413

Ion Ratio Lower Upper

91 100

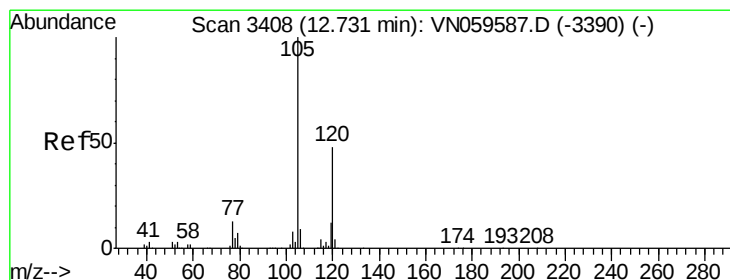
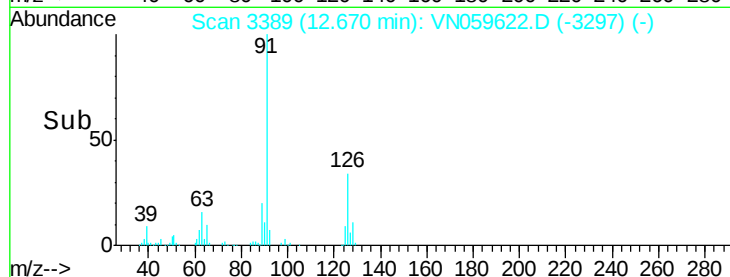
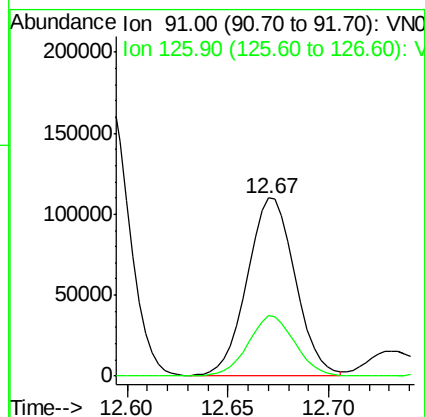
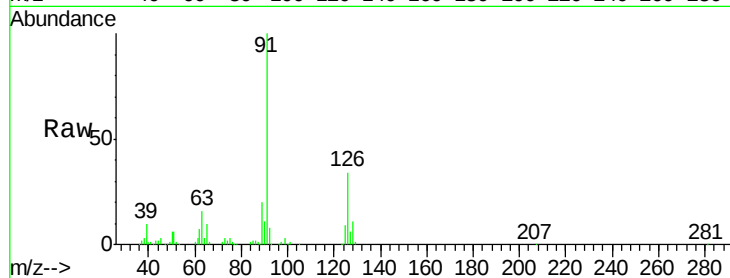
126 32.9 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.684 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059622.D

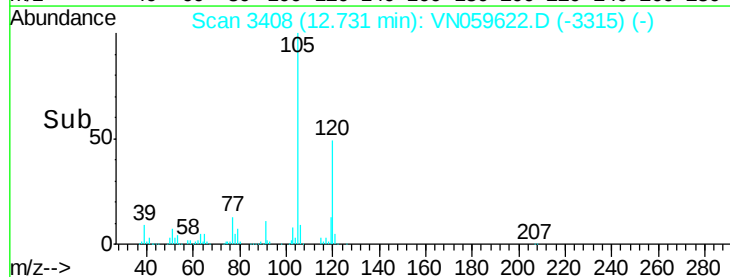
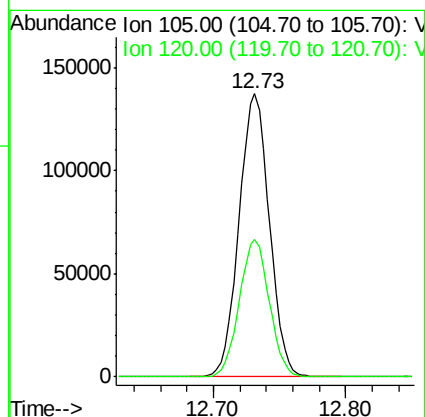
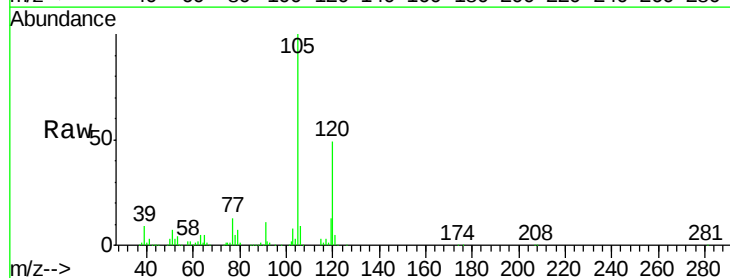
Acq: 17 Dec 2019 14:15

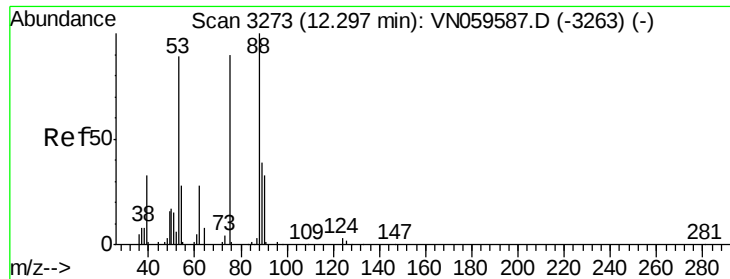
Tgt Ion: 105 Resp: 218135

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.981 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

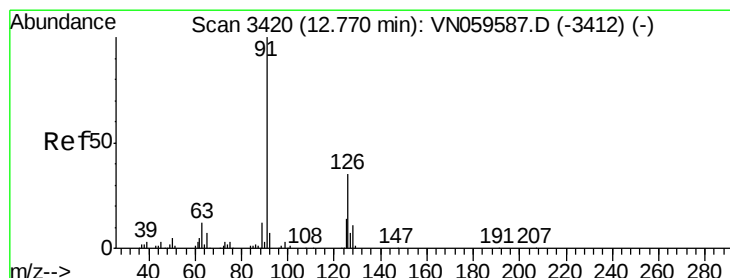
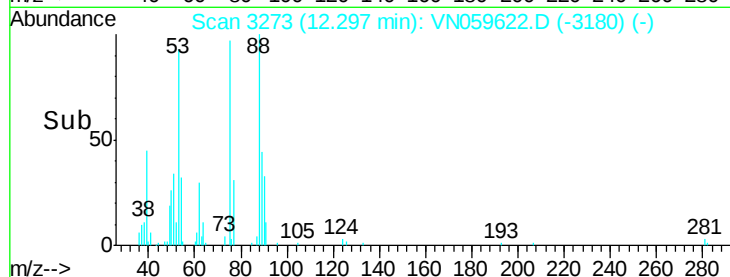
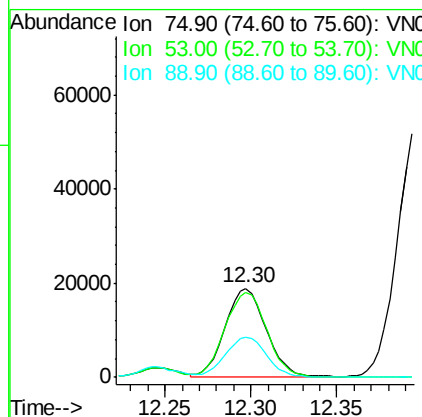
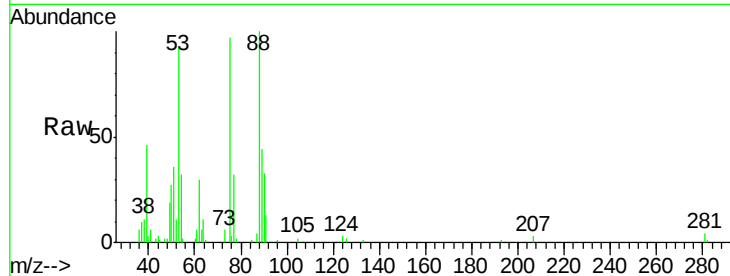
ClientSampleId :

VN1217WBS01

Tot Ion:	75	Resp:	31736
Ion	Ratio	Lower	Upper
75	100		
53	95.3	78.1	117.1
89	44.8	35.4	53.2

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#82

4-Chlorotoluene

Concen: 19.718 ug/l

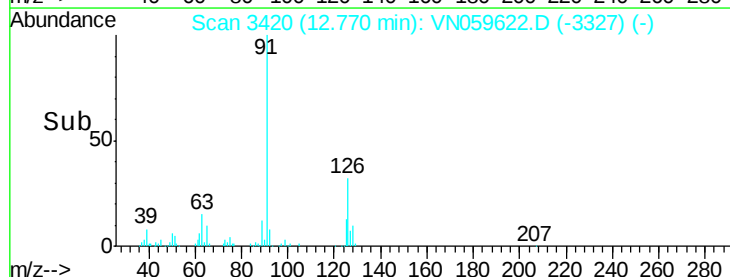
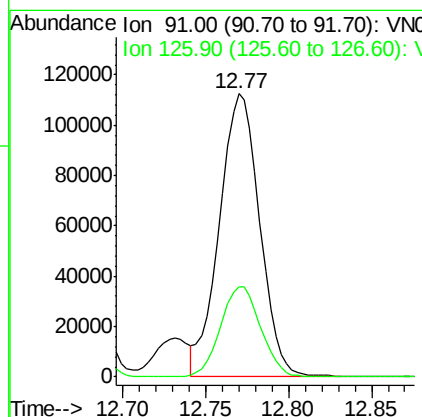
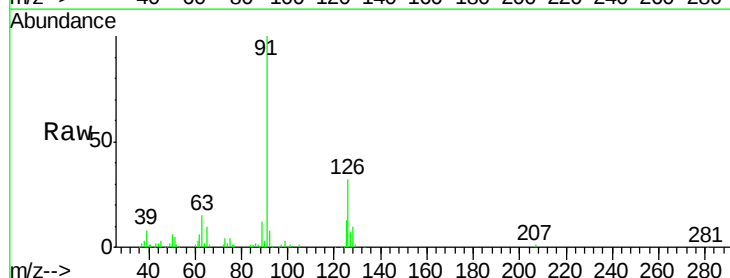
RT: 12.77 min Scan# 3420

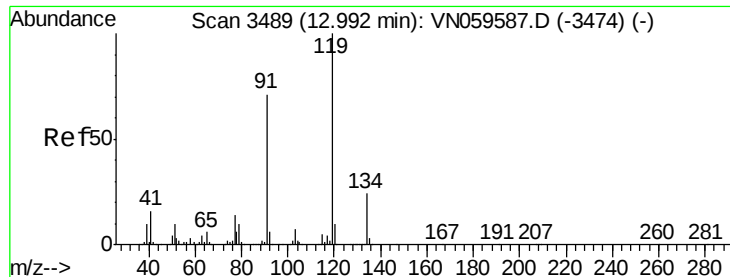
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	91	Resp:	188977
Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.3	48.8





#83

tert-Butylbenzene

Concen: 19.477 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

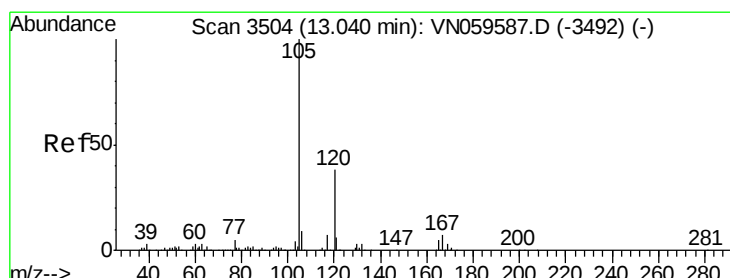
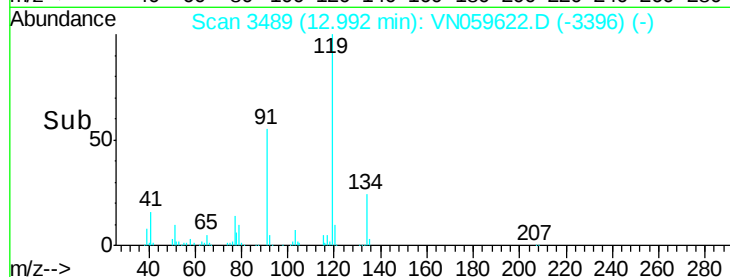
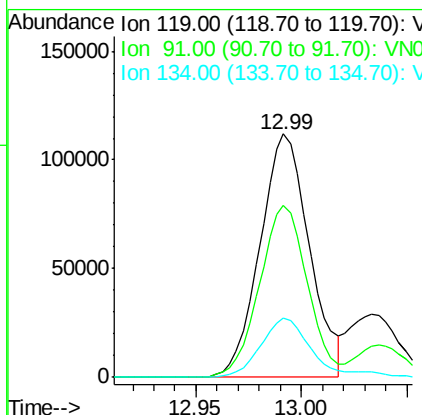
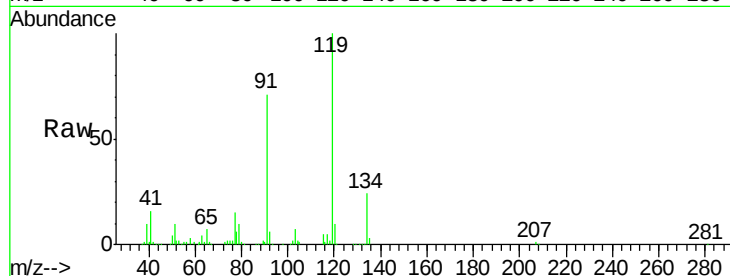
ClientSampleId :

VN1217WBS01

Tot Ion:	119	Resp:	182786
Ion Ratio	Lower	Upper	
119	100		
91	68.8	34.8	104.4
134	25.2	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 19.943 ug/l

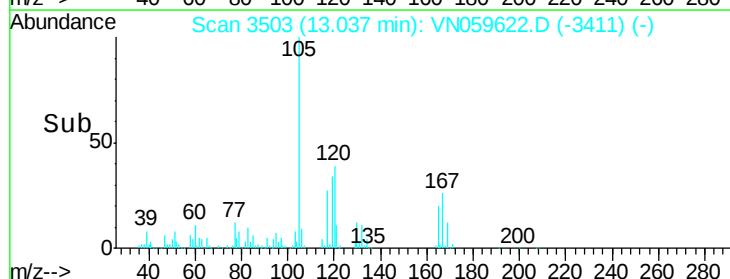
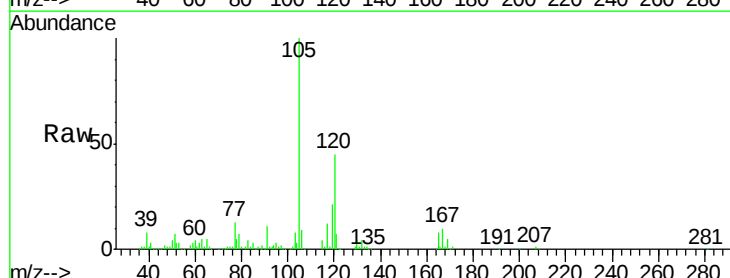
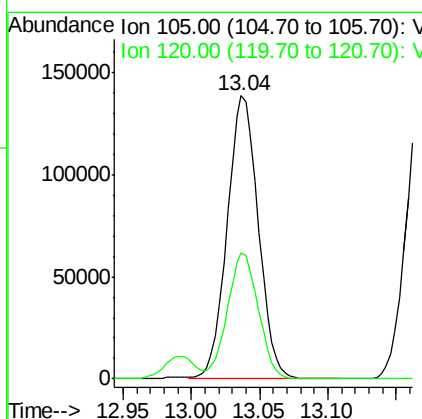
RT: 13.04 min Scan# 3503

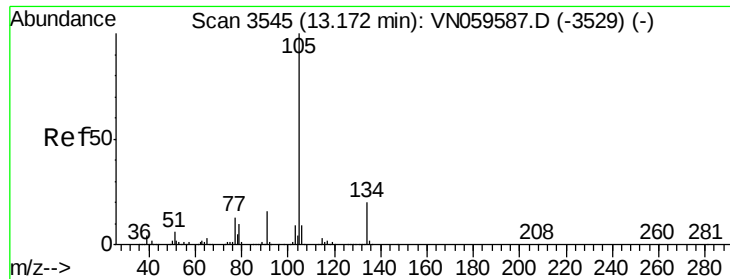
Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	105	Resp:	219758
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.794 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

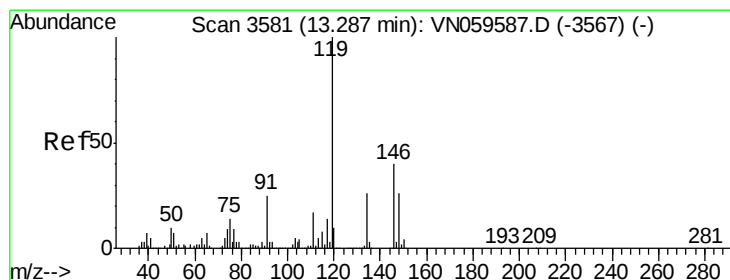
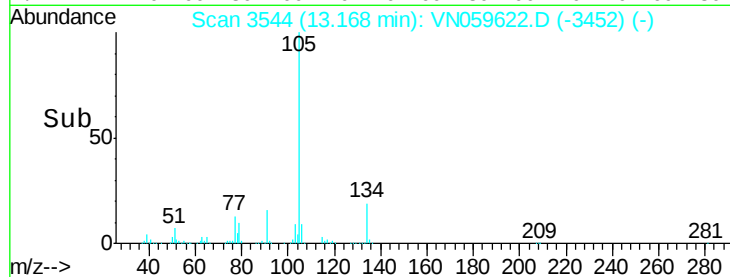
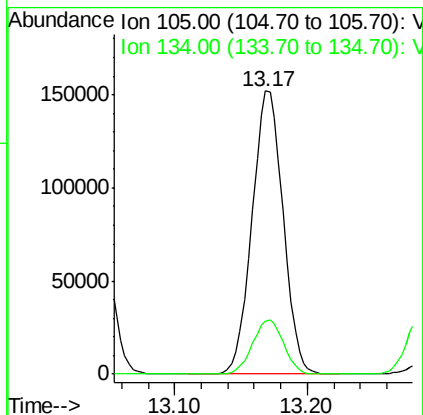
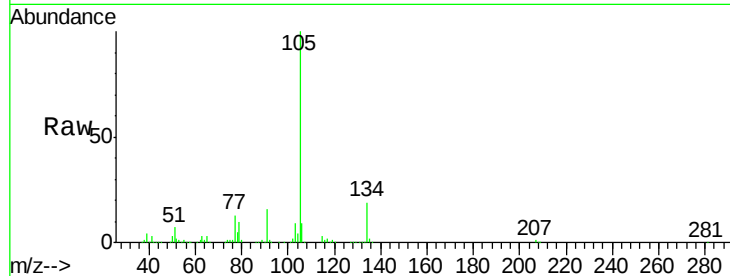
ClientSampleId :

VN1217WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 19.534 ug/l

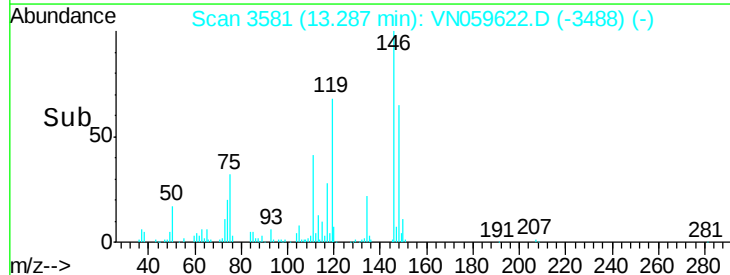
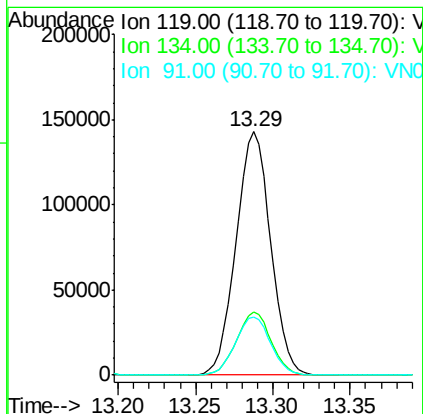
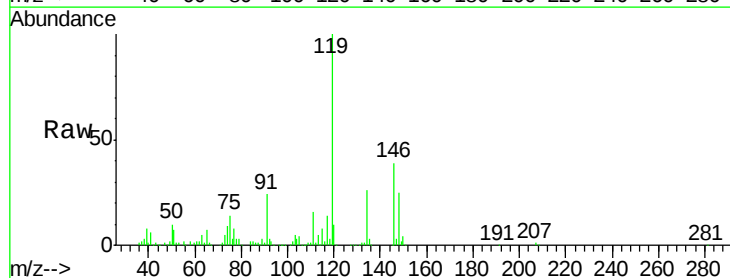
RT: 13.29 min Scan# 3581

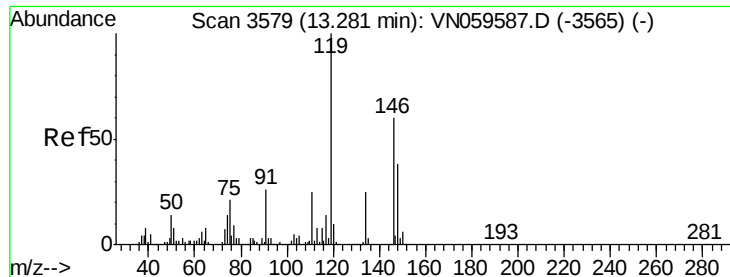
Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.9	38.7
91	24.7	12.4	37.4





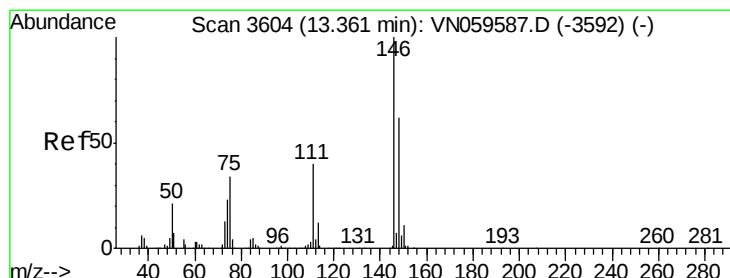
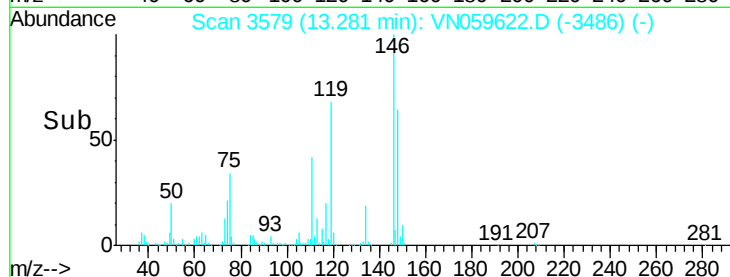
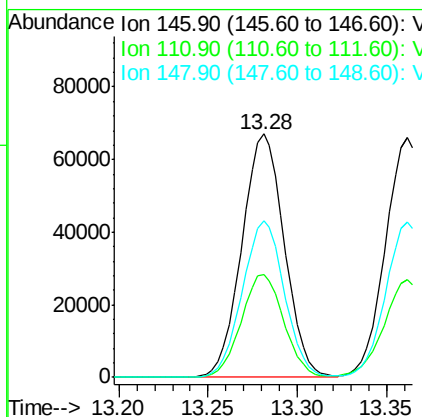
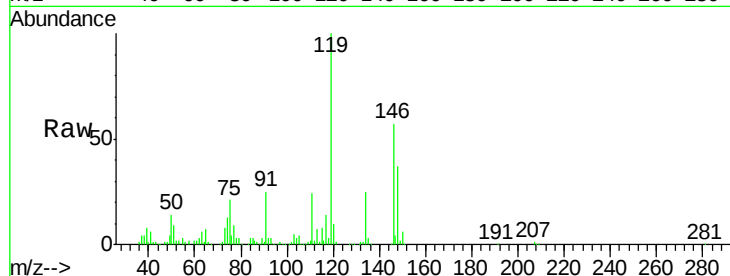
#87
 1,3-Dichlorobenzene
 Concen: 18.777 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	63.8	32.0	96.0

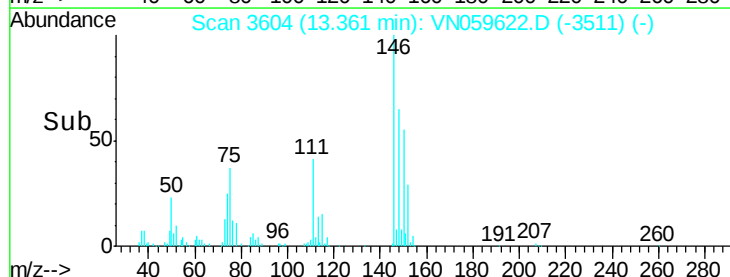
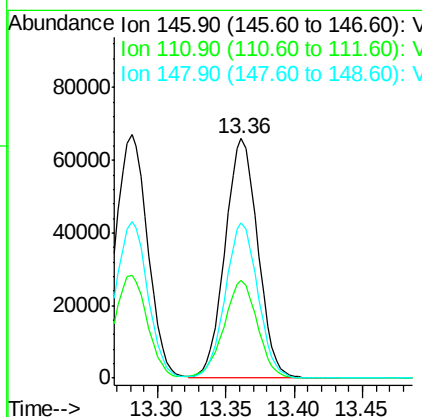
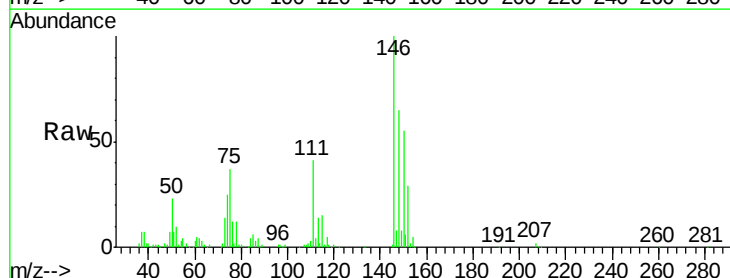
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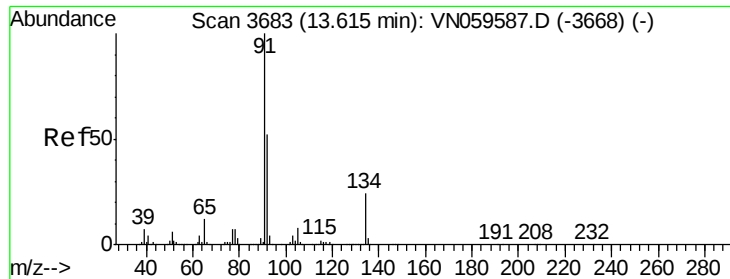
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#88
 1,4-Dichlorobenzene
 Concen: 18.490 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	64.6	31.8	95.4





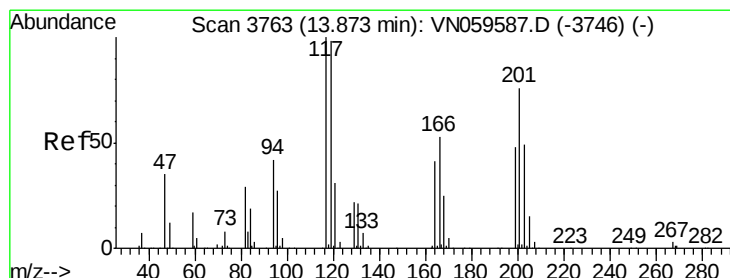
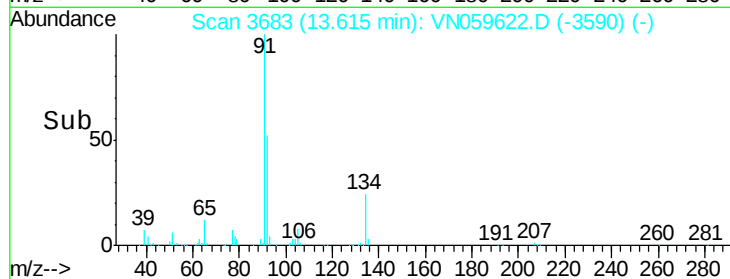
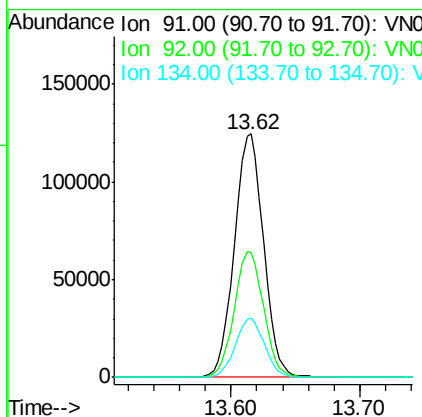
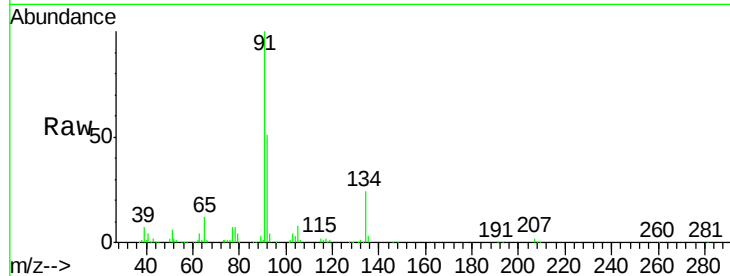
#89
n-Butylbenzene
Concen: 18.481 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	24.2	12.3	36.8

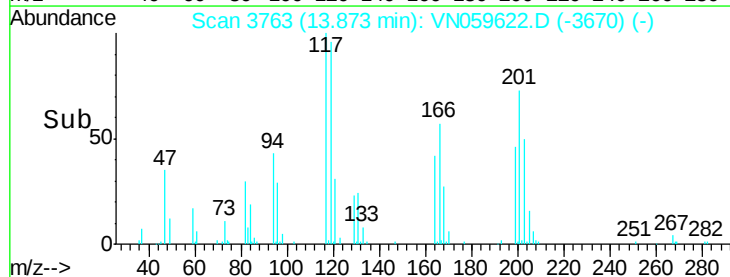
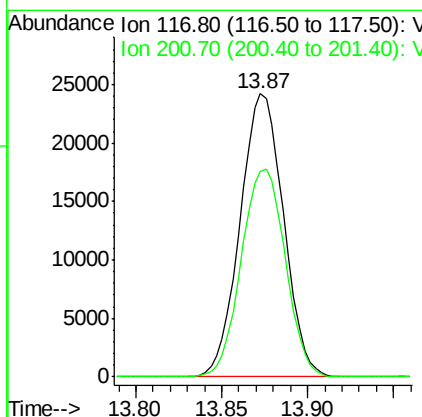
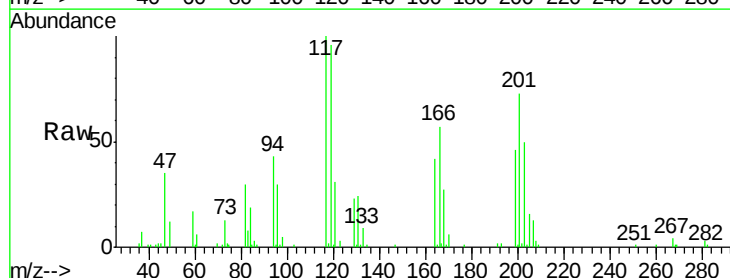
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#90
Hexachloroethane
Concen: 19.817 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059622.D
Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.4	37.8	113.4





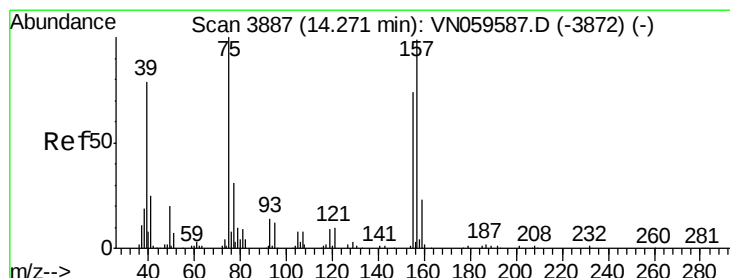
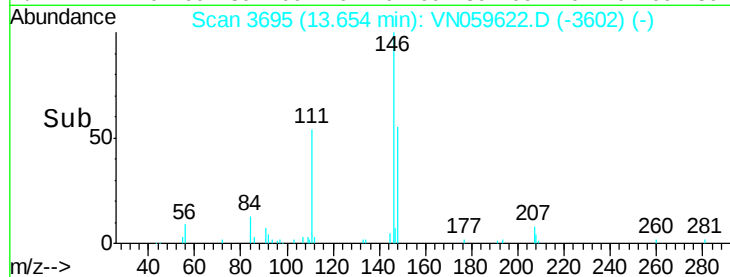
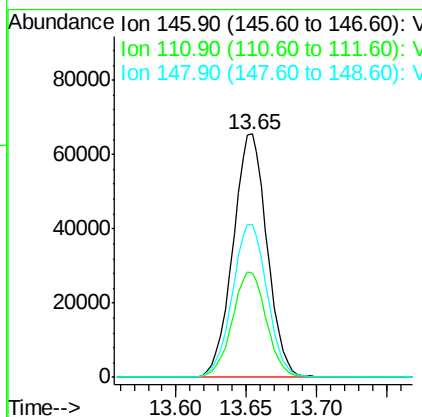
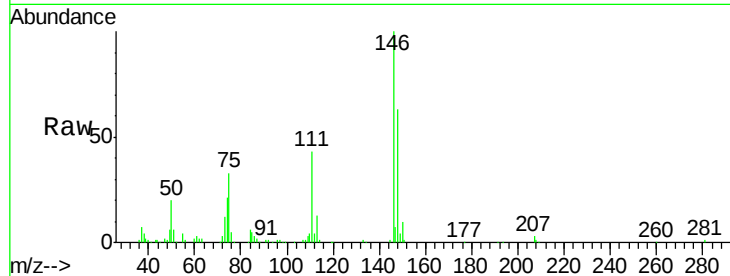
#91
 1,2-Dichlorobenzene
 Concen: 18.951 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110675		
111	43.3	21.6	64.8	
148	64.3	31.6	95.0	

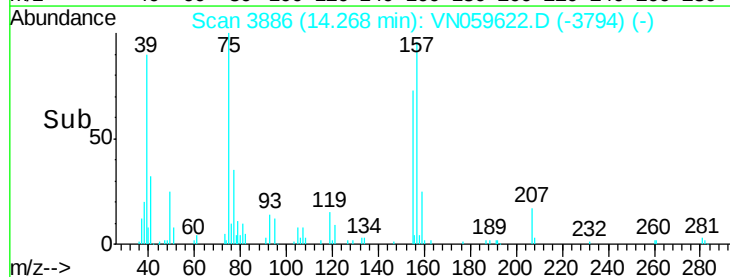
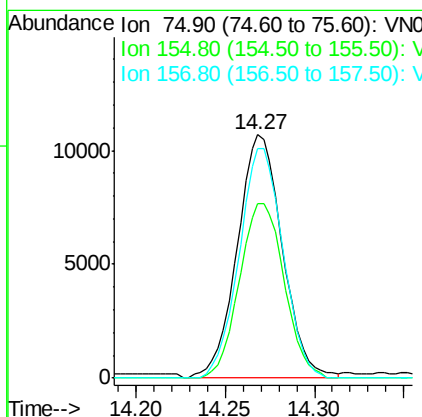
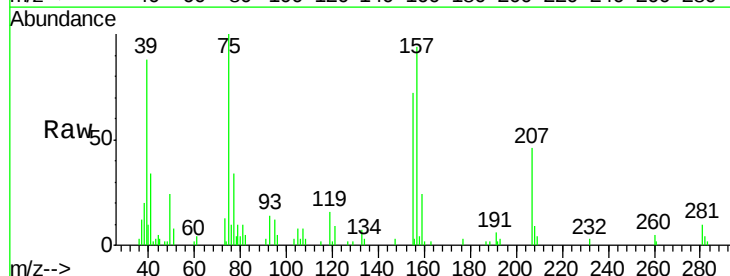
Manual Integrations
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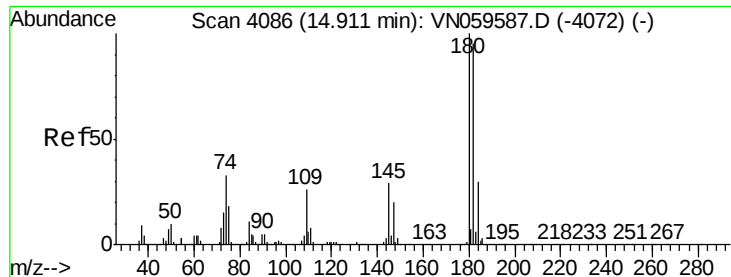
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.301 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18824		
155	71.2	37.0	110.9	
157	91.6	48.4	145.2	





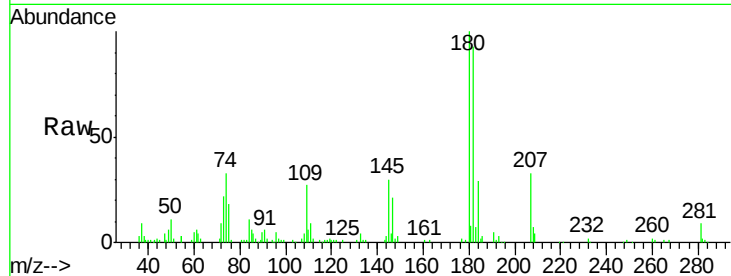
#93
 1,2,4-Trichlorobenzene
 Concen: 16.320 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS01

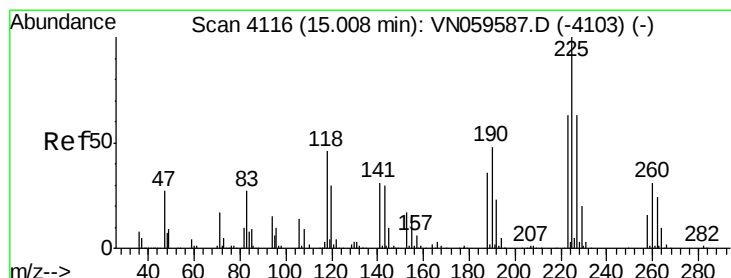
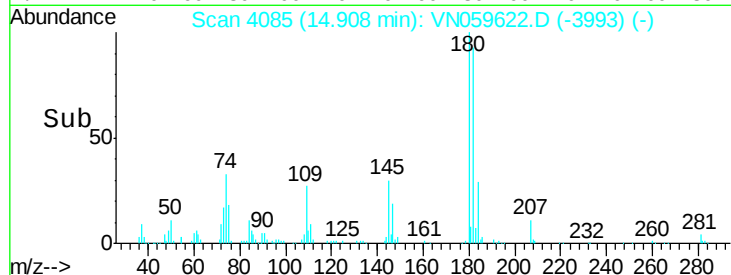
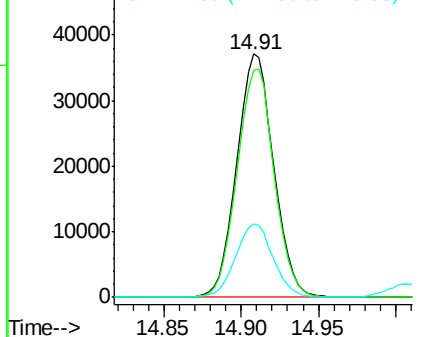
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.9	140.7
145	30.6	15.0	45.1

Manual Integrations
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 12/18/2019 10:05:05 AM

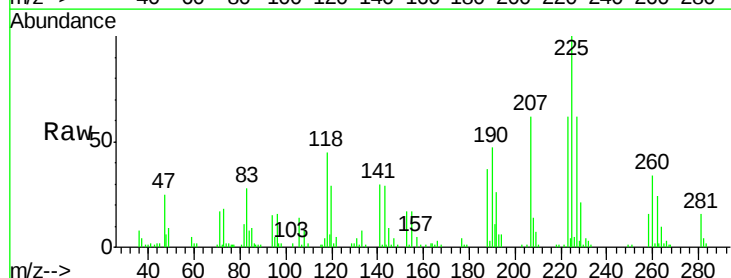


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

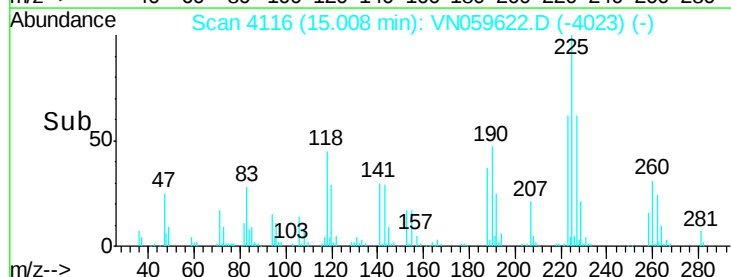
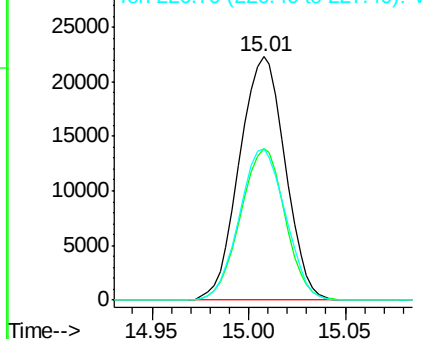


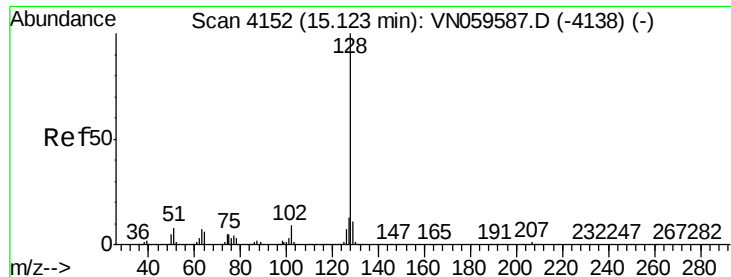
#94
 Hexachlorobutadiene
 Concen: 18.985 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059622.D
 Acq: 17 Dec 2019 14:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	31.8	95.3
227	62.5	32.1	96.5



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





#95

Naphthalene

Concen: 15.480 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Instrument :

MSVOA_N

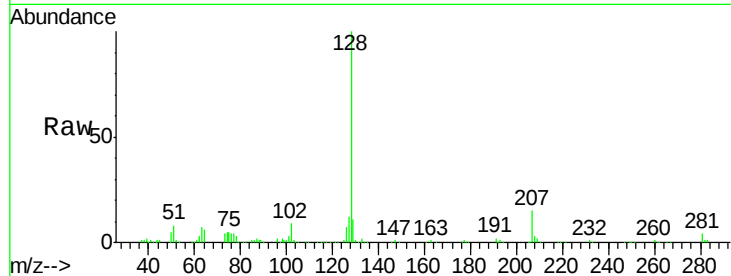
ClientSampleId :

VN1217WBS01

Tot Ion:	128	Resp:	174269
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

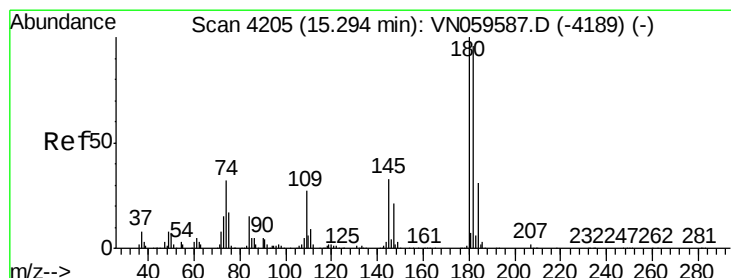
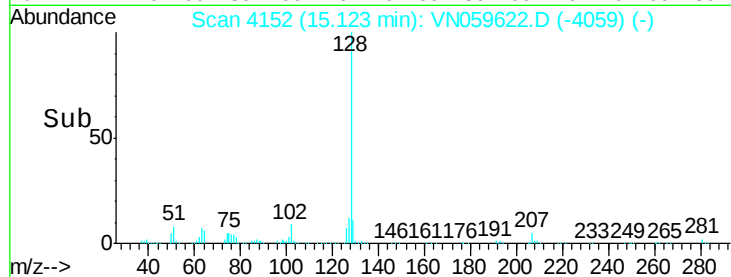
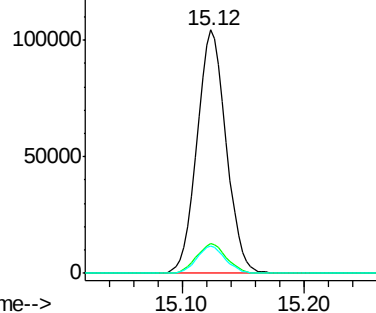
apatel
12/18/2019 10:05:05 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.033 ug/l

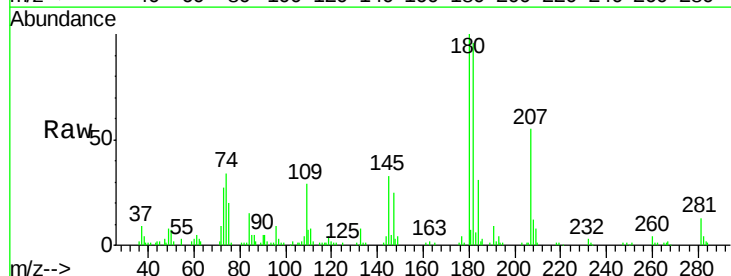
RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059622.D

Acq: 17 Dec 2019 14:15

Tgt Ion:	180	Resp:	61152
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.3
145	32.6	16.3	48.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

