

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121919\
 Data File : VN059672.D
 Acq On : 19 Dec 2019 15:49
 Operator : JC/SP
 Sample : VN1219WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Manual Integrations
 APPROVED

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 12/20/2019 9:20:45 AM

Quant Time: Dec 20 03:30:33 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	201941	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	314154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298481	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	154864	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
35) Dibromofluoromethane	7.56	113	104747	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
50) Toluene-d8	10.08	98	400014	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.40	95	141378	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52263	20.028	ug/l	99
3) Chloromethane	2.04	50	69319	16.740	ug/l	100
4) Vinyl Chloride	2.17	62	60543	15.417	ug/l	99
5) Bromomethane	2.54	94	38877	17.030	ug/l	98
6) Chloroethane	2.68	64	33317	15.096	ug/l	99
7) Trichlorofluoromethane	3.00	101	75980	17.635	ug/l	96
8) Diethyl Ether	3.38	74	25249	18.756	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	56297	25.928	ug/l	96
10) Methyl Iodide	3.92	142	50402	17.534	ug/l	99
11) Tert butyl alcohol	4.75	59	46191	85.741	ug/l	98
12) 1,1-Dichloroethene	3.71	96	54603	25.779	ug/l	96
13) Acrolein	3.58	56	34907	90.962	ug/l	98
14) Allyl chloride	4.29	41	82483	18.970	ug/l	99
15) Acrylonitrile	4.95	53	133781	102.662	ug/l	100
16) Acetone	3.78	43	147934	84.794	ug/l	97
17) Carbon Disulfide	4.02	76	123751	17.549	ug/l	99
18) Methyl Acetate	4.29	43	72032	19.704	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	153985	20.590	ug/l	100
20) Methylene Chloride	4.52	84	52004	20.639	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	46037	19.497	ug/l	99
22) Diisopropyl ether	5.92	45	169350	21.126	ug/l	96
23) Vinyl Acetate	5.86	43	716821	113.947	ug/l	99
24) 1,1-Dichloroethane	5.82	63	93013	20.483	ug/l	99
25) 2-Butanone	6.80	43	186969	89.620	ug/l	100
26) 2,2-Dichloropropane	6.79	77	83461	20.223	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	52433	20.040	ug/l	98
28) Bromochloromethane	7.17	49	40603	21.549	ug/l	97
29) Tetrahydrofuran	7.18	42	123971	97.529	ug/l	99
30) Chloroform	7.35	83	92002	20.583	ug/l	100
31) Cyclohexane	7.63	56	83965	19.570	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	80562	19.992	ug/l	99
36) 1,1-Dichloropropene	7.77	75	68097	20.786	ug/l	99
37) Ethyl Acetate	6.90	43	78175	20.530	ug/l	100
38) Carbon Tetrachloride	7.75	117	68009	20.005	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	75653	20.358	ug/l	99
40) Benzene	8.02	78	203977	21.305	ug/l	100
41) Methacrylonitrile	7.15	41	32377m	20.603	ug/l	
42) 1,2-Dichloroethane	8.10	62	80990	22.089	ug/l	100
43) Isopropyl Acetate	8.14	43	124508	21.032	ug/l	99
44) Trichloroethene	8.82	130	52411	20.899	ug/l	98
45) 1,2-Dichloropropane	9.10	63	56686	21.925	ug/l	96
46) Dibromomethane	9.19	93	36264	21.410	ug/l	97
47) Bromodichloromethane	9.39	83	72253	21.395	ug/l	99
48) Methyl methacrylate	9.18	41	55009	20.480	ug/l	97
49) 1,4-Dioxane	9.18	88	13258	344.444	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	377139	106.848	ug/l	99
52) Toluene	10.14	92	122525	20.828	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	81059	20.754	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	86798	21.142	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	51246	22.200	ug/l	98
56) Ethyl methacrylate	10.42	69	70344	20.527	ug/l	99
57) 1,3-Dichloropropane	10.70	76	86502	21.522	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	126547	116.109	ug/l	99
59) 2-Hexanone	10.74	43	274690	98.743	ug/l	99
60) Dibromochloromethane	10.89	129	53246	21.134	ug/l	98
61) 1,2-Dibromoethane	11.00	107	49992	20.420	ug/l	99
64) Tetrachloroethene	10.62	164	50465	18.137	ug/l	99
65) Chlorobenzene	11.43	112	128904	19.959	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	50094	20.420	ug/l	99
67) Ethyl Benzene	11.50	91	231055	19.820	ug/l	99
68) m/p-Xylenes	11.62	106	170155	39.527	ug/l	100
69) o-Xylene	11.94	106	74689	18.234	ug/l	96
70) Styrene	11.96	104	117473	17.850	ug/l	97
71) Bromoform	12.12	173	34638	18.784	ug/l #	98
73) Isopropylbenzene	12.24	105	219662	20.496	ug/l	99
74) N-amyl acetate	12.07	43	90977	18.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	69159	20.343	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	69982m	20.706	ug/l	
77) Bromobenzene	12.52	156	52606	19.960	ug/l	99
78) n-propylbenzene	12.59	91	255379	20.158	ug/l	99
79) 2-Chlorotoluene	12.67	91	154947	20.227	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	182637	20.138	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	26022	19.017	ug/l	99
82) 4-Chlorotoluene	12.77	91	157010	20.018	ug/l	99
83) tert-Butylbenzene	12.99	119	152547	19.861	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185000	20.514	ug/l	99
85) sec-Butylbenzene	13.17	105	205313	20.096	ug/l	99
86) p-Isopropyltoluene	13.28	119	185726	20.071	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	92584	19.103	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	90453	18.511	ug/l	97
89) n-Butylbenzene	13.61	91	164577	18.971	ug/l	99
90) Hexachloroethane	13.87	117	34090	19.490	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	93067	19.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15459	17.356	ug/l	98

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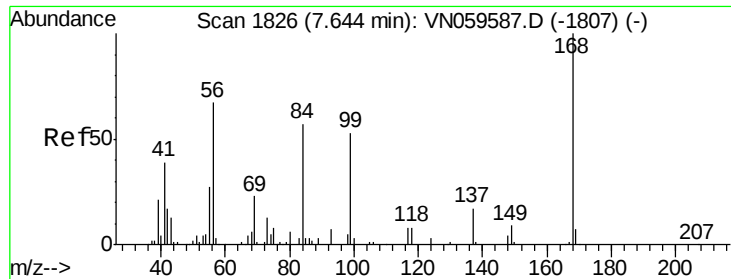
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	53037	17.184	ug/l	98
94) Hexachlorobutadiene	15.00	225	29742	18.805	ug/l	98
95) Naphthalene	15.12	128	154778	16.799	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	54877	17.580	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:168 Resp: 201941

Ion Ratio Lower Upper

168 100

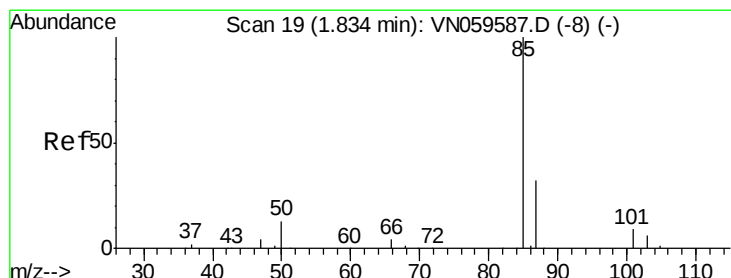
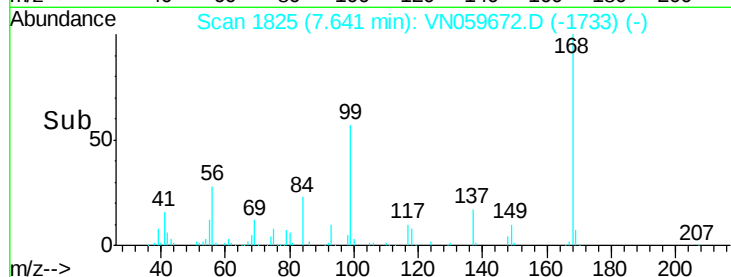
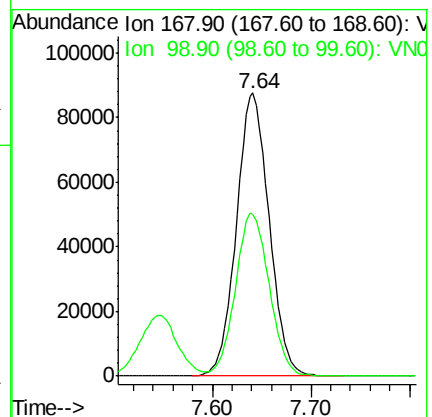
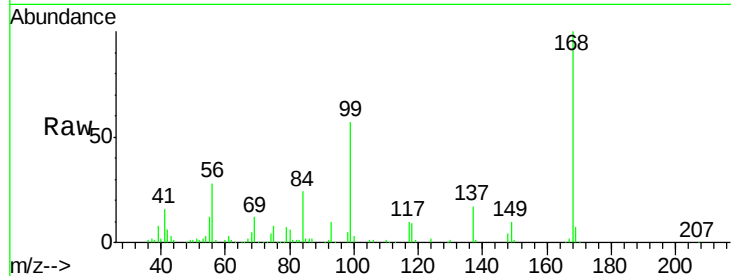
99 57.2 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.028 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059672.D

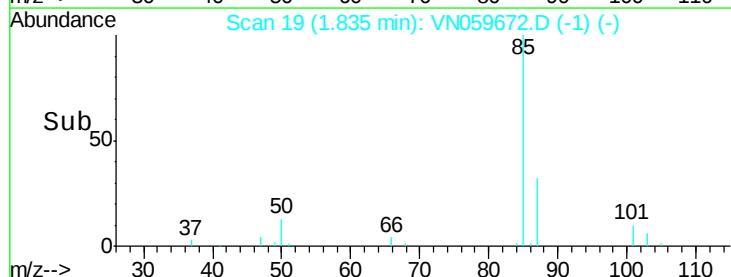
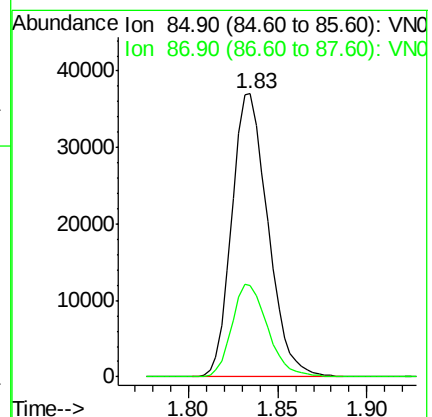
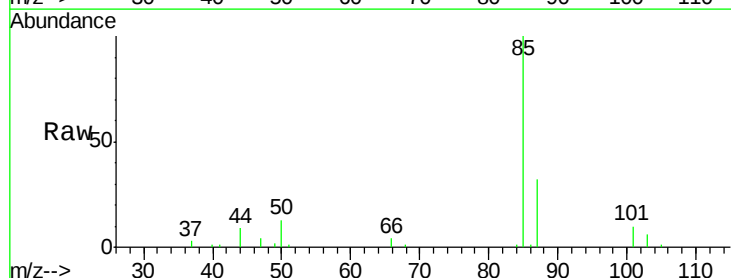
Acq: 19 Dec 2019 15:49

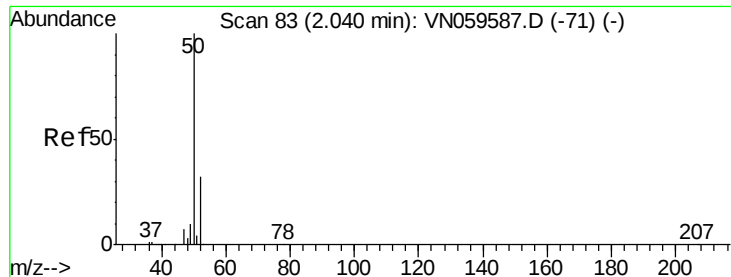
Tgt Ion: 85 Resp: 52263

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7





#3

Chloromethane

Concen: 16.740 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 50 Resp: 69319

Ion Ratio Lower Upper

50 100

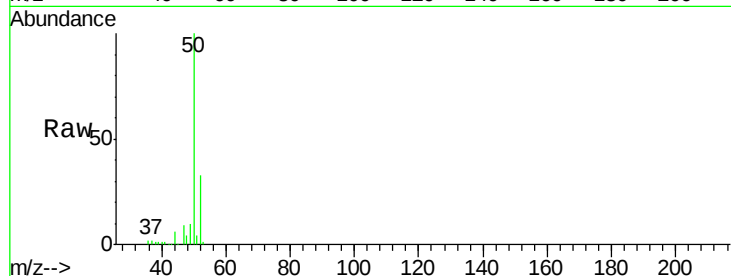
52 32.7 25.9 38.9

Manual Integrations

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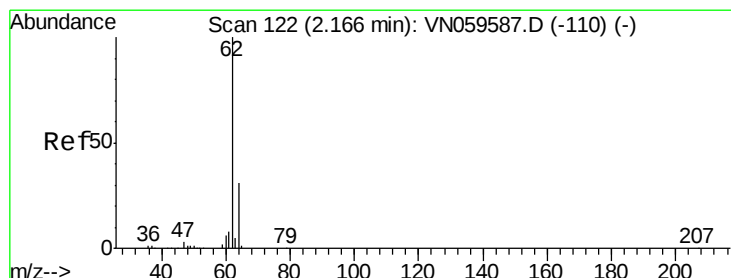
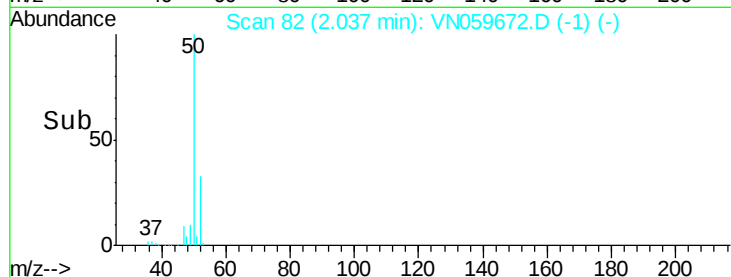
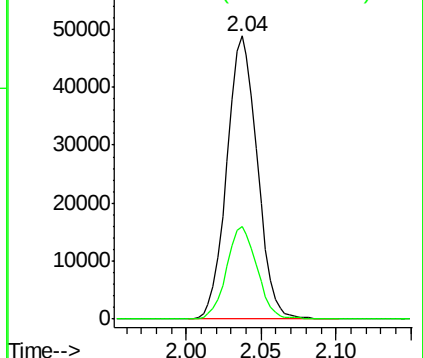
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.417 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059672.D

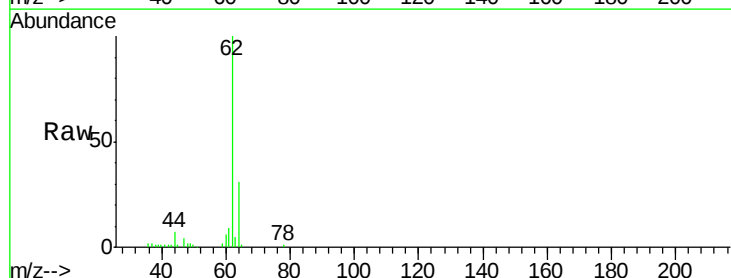
Acq: 19 Dec 2019 15:49

Tgt Ion: 62 Resp: 60543

Ion Ratio Lower Upper

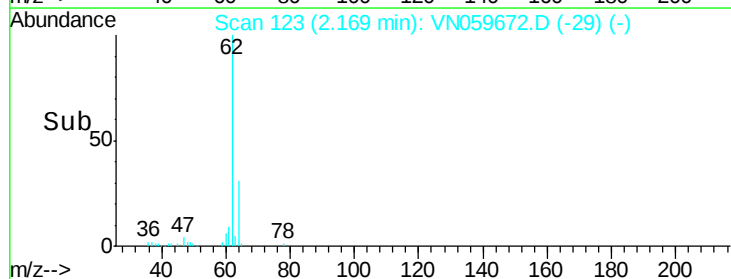
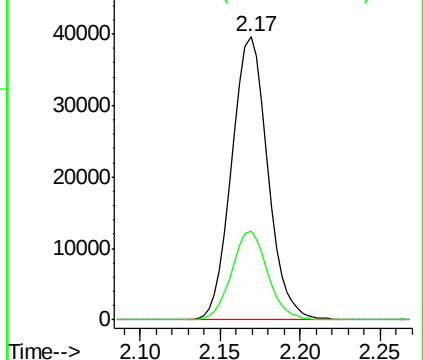
62 100

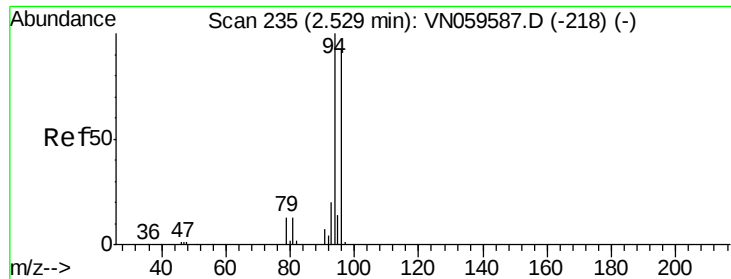
64 31.3 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.030 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 94 Resp: 38877

Ion Ratio Lower Upper

94 100

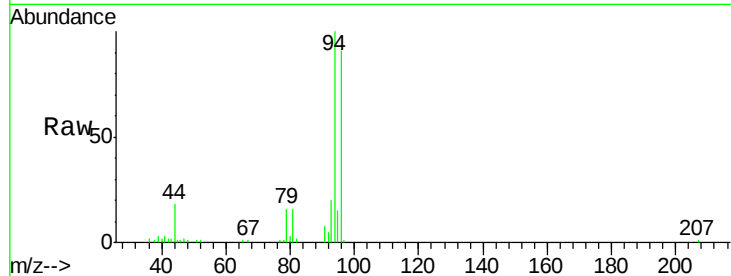
96 91.0 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

25000

20000

15000

10000

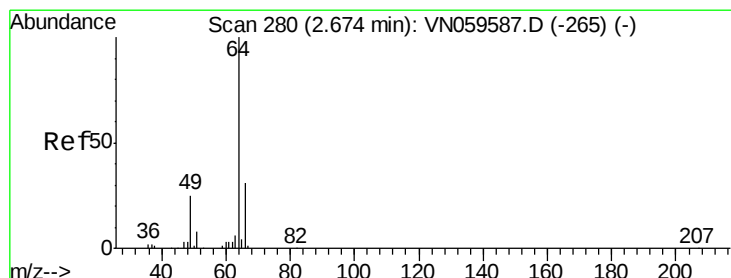
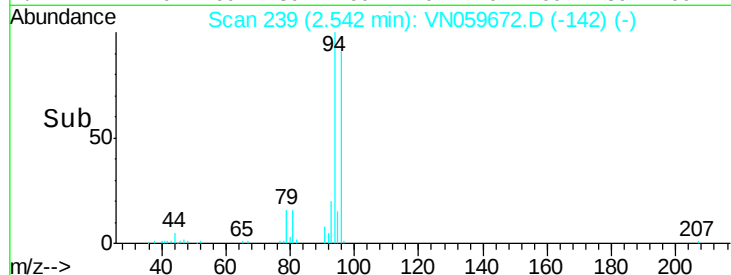
5000

0

Time-->

2.50 2.55 2.60

2.54



#6

Chloroethane

Concen: 15.096 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN059672.D

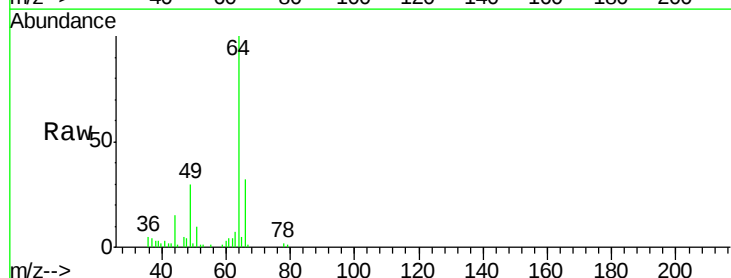
Acq: 19 Dec 2019 15:49

Tgt Ion: 64 Resp: 33317

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO

20000

15000

10000

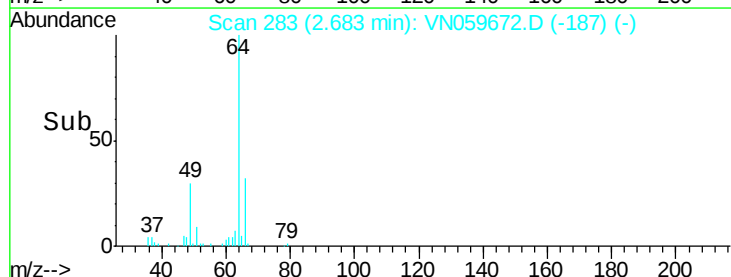
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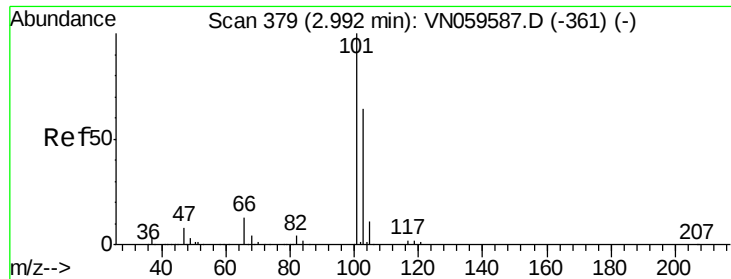
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Time-->

2.60 2.65 2.70 2.75 2.80

2.68





#7

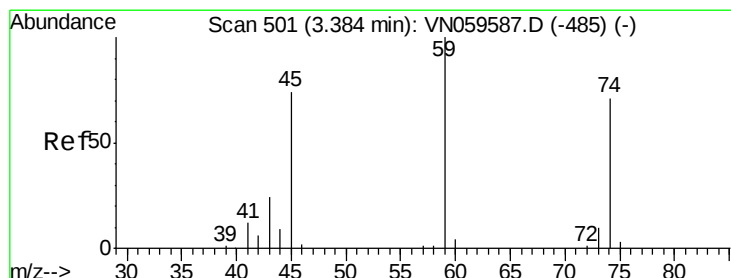
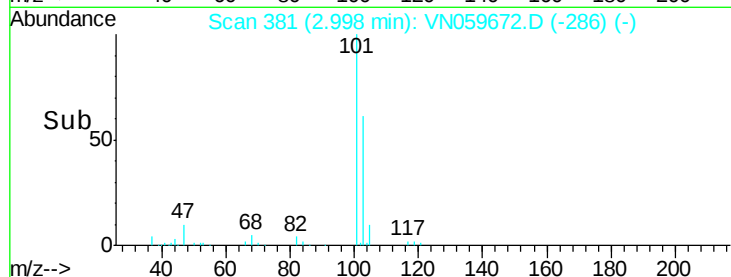
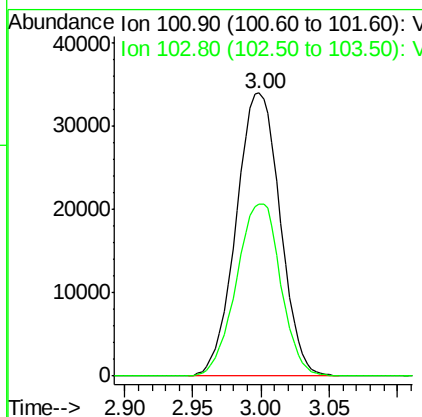
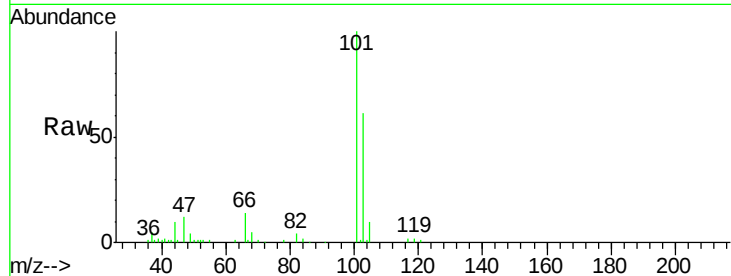
Trichlorofluoromethane
 Concen: 17.635 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	51.0	76.6

Manual Integrations
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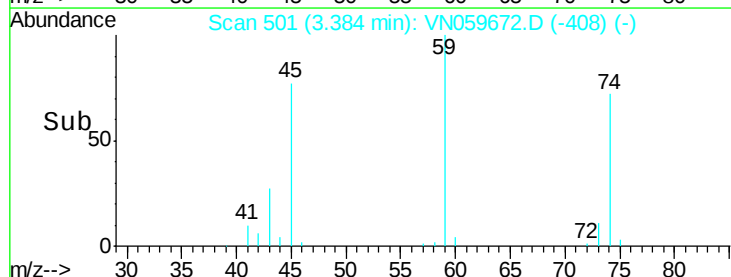
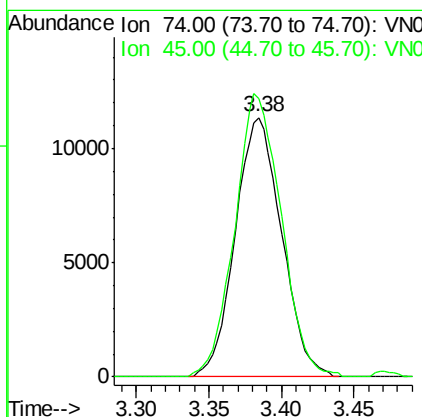
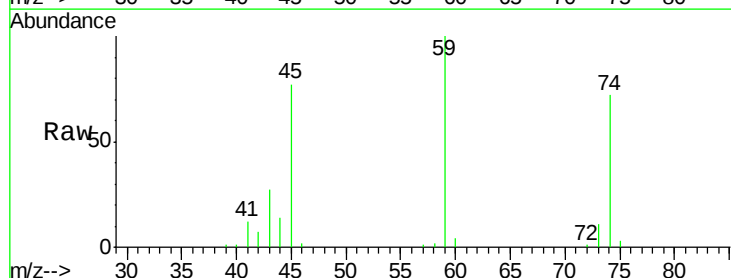
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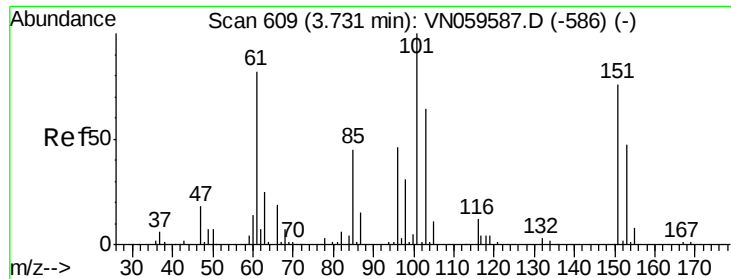


#8

Diethyl Ether
 Concen: 18.756 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 25.928 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

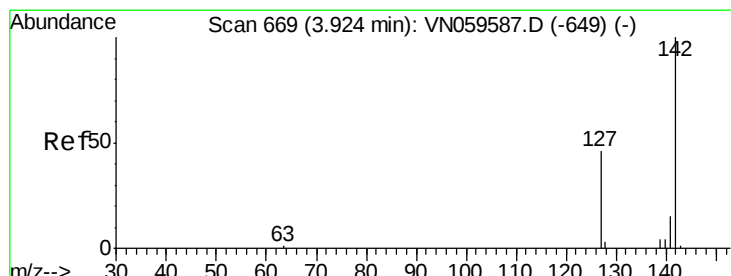
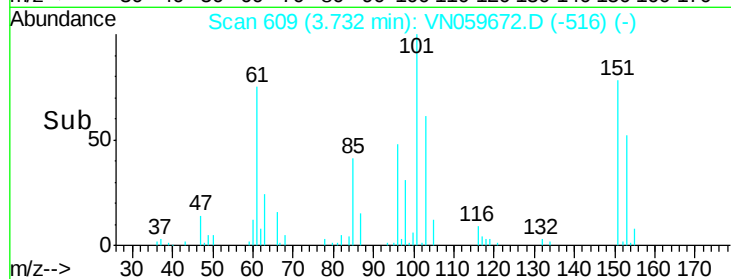
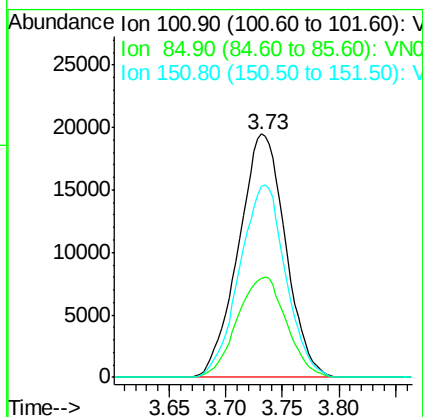
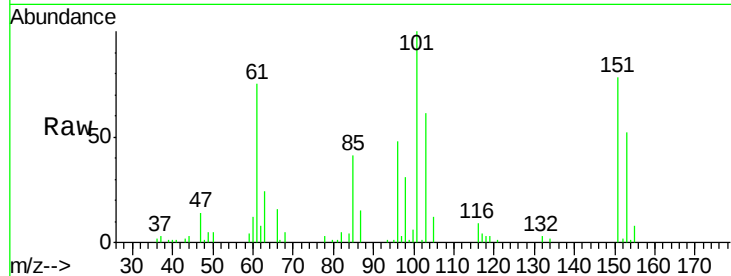
ClientSampleId :

VN1219WBSD01

Tot Ion:	101	Resp:	56297
Ion Ratio	Lower	Upper	
101	100		
85	42.9	36.6	54.8
151	77.5	59.7	89.5

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#10

Methyl Iodide

Concen: 17.534 ug/l

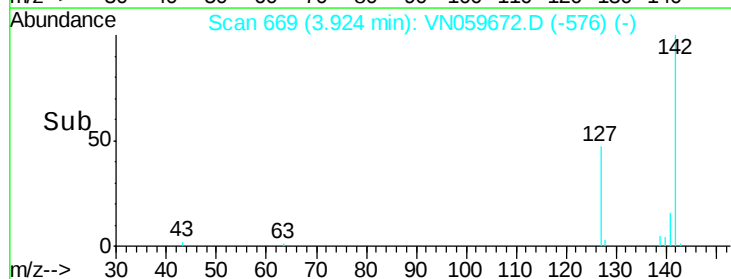
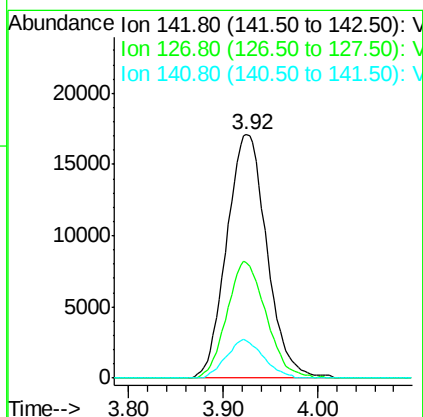
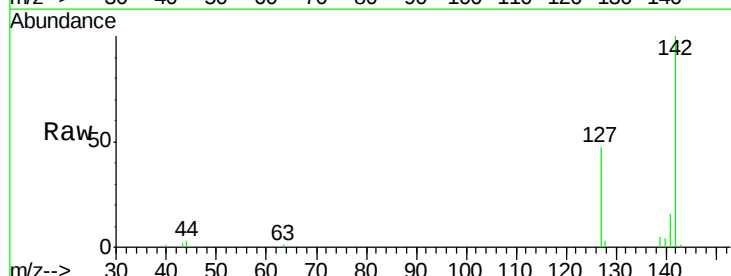
RT: 3.92 min Scan# 669

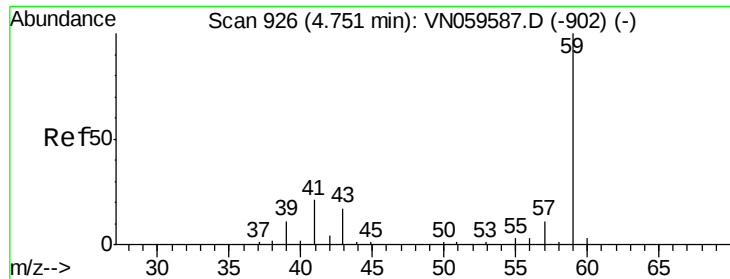
Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	142	Resp:	50402
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	14.6	11.7	17.5





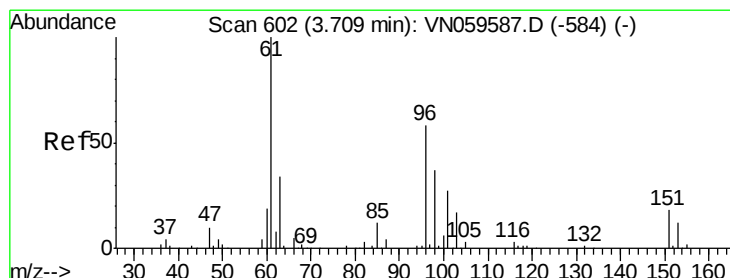
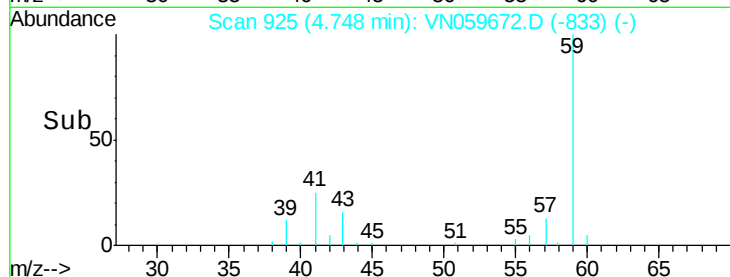
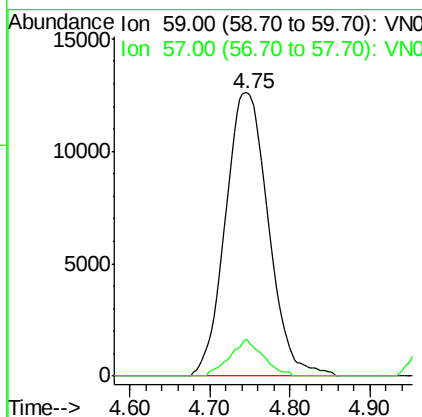
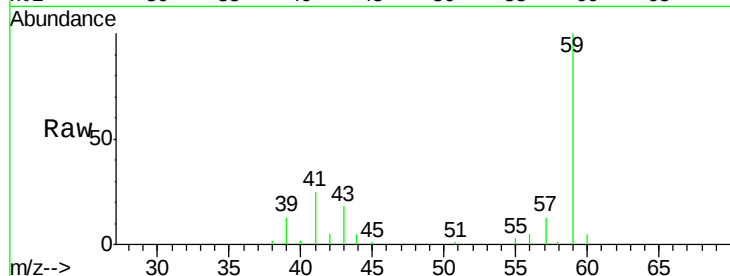
#11
Tert butyl alcohol
Concen: 85.741 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.6	12.8

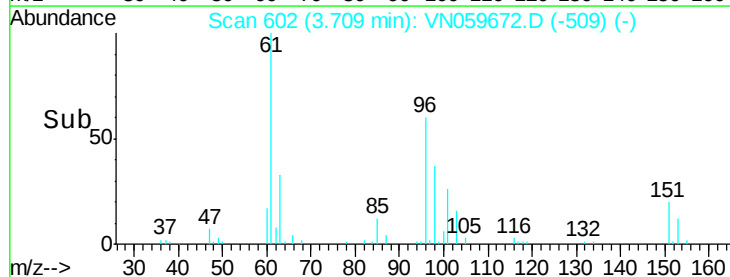
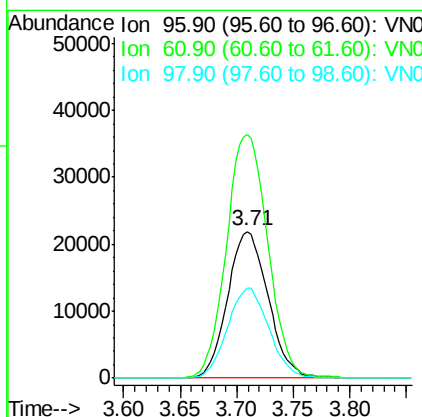
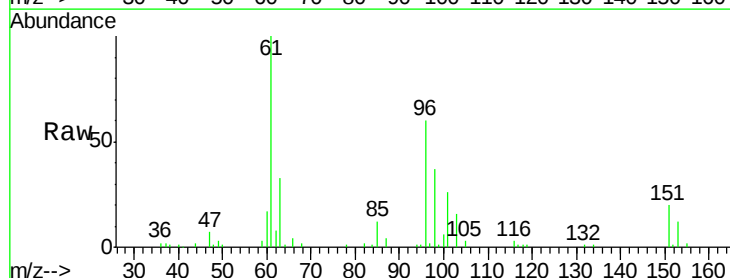
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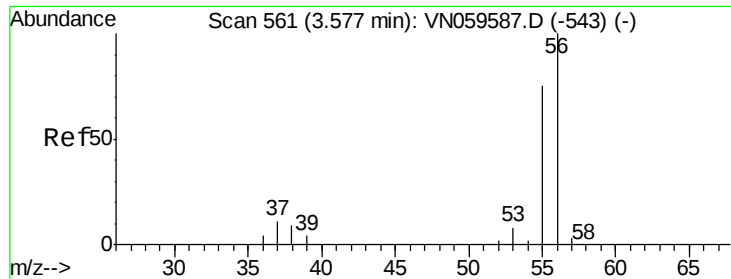
apatel
12/20/2019 9:20:45 AM



#12
1,1-Dichloroethene
Concen: 25.779 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	137.5	206.3
98	61.4	50.2	75.4





#13

Acrolein

Concen: 90.962 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 56 Resp: 34907

Ion Ratio Lower Upper

56 100

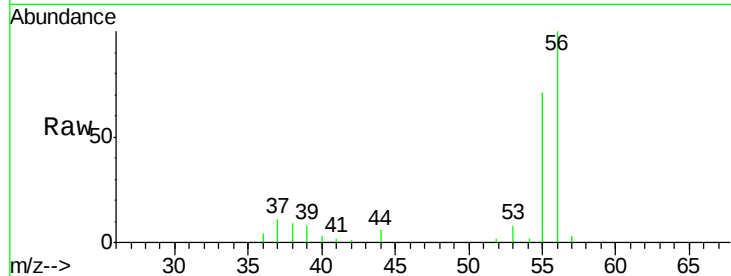
55 71.5 58.6 88.0

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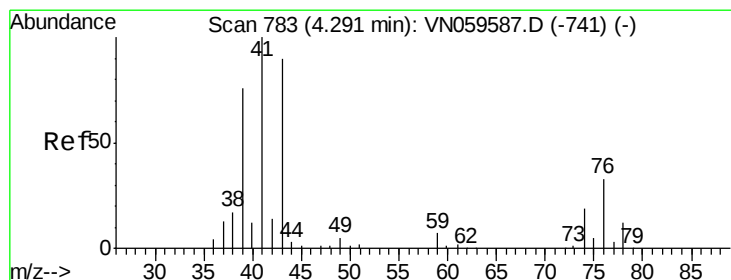
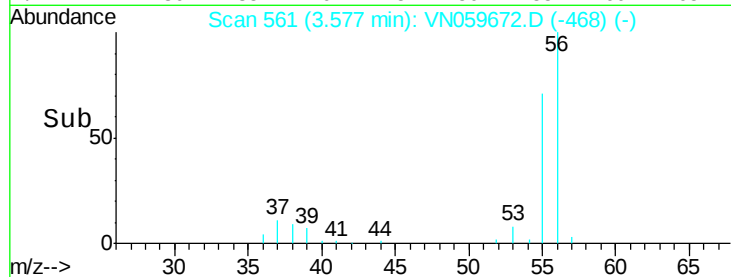
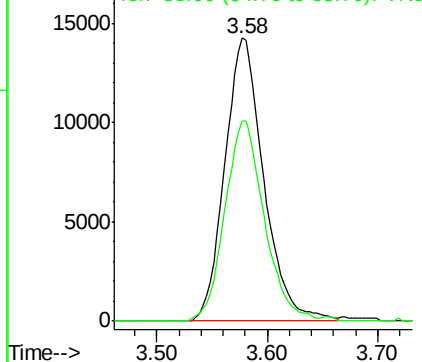
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.970 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

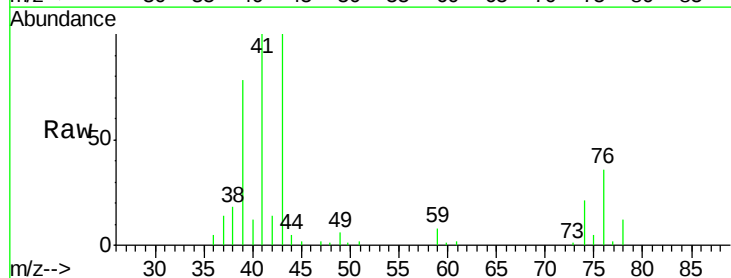
Tgt Ion: 41 Resp: 82483

Ion Ratio Lower Upper

41 100

39 72.7 57.8 86.8

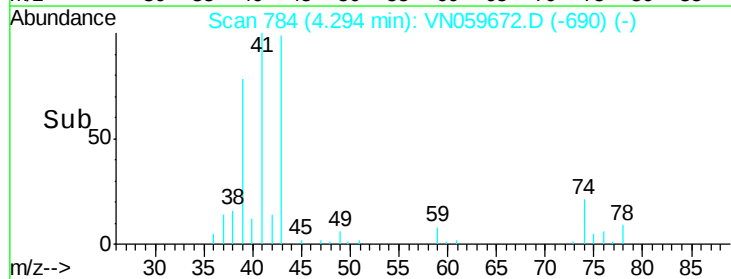
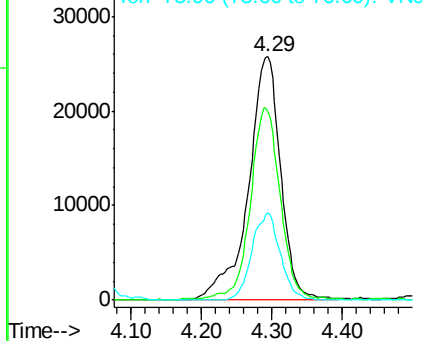
76 31.2 25.4 38.0

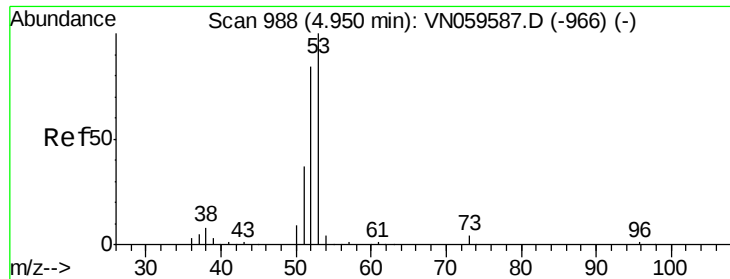


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.662 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

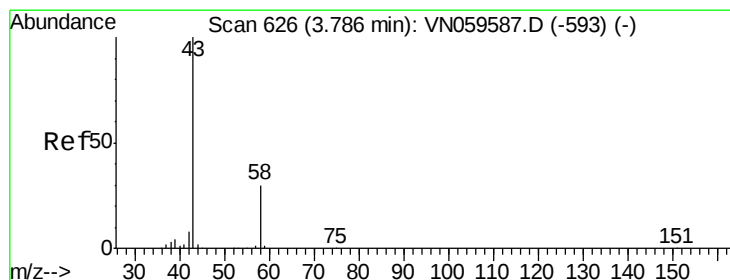
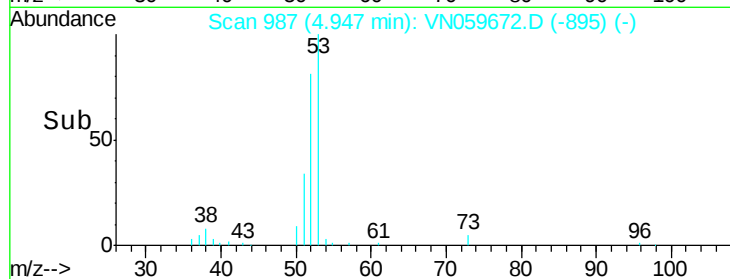
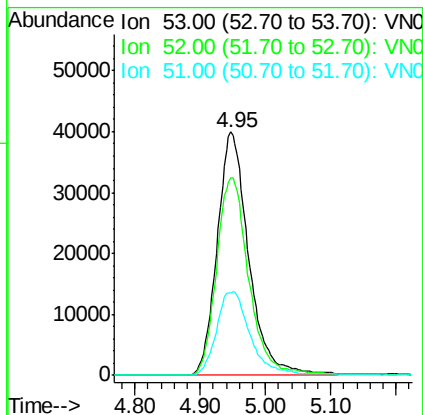
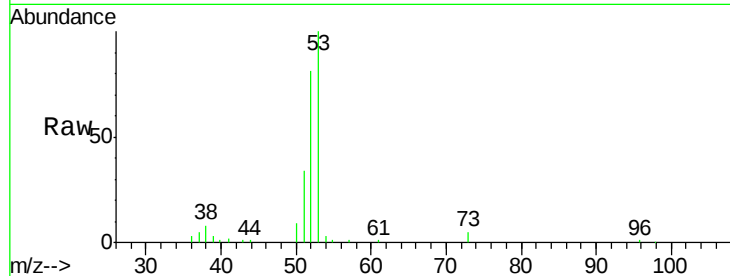
ClientSampleId :

VN1219WBSD01

Tot Ion:	53	Resp:	133781
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.3	99.5
51	36.6	29.7	44.5

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#16

Acetone

Concen: 84.794 ug/l

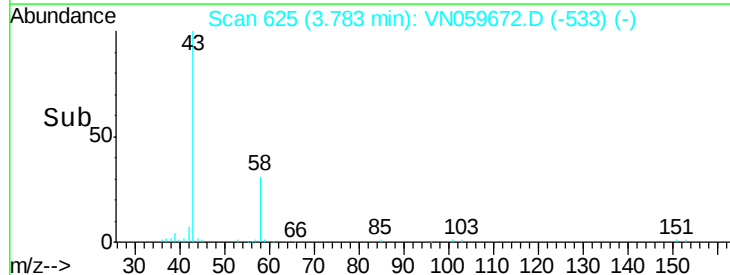
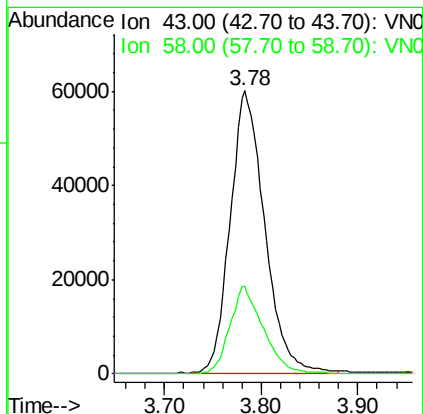
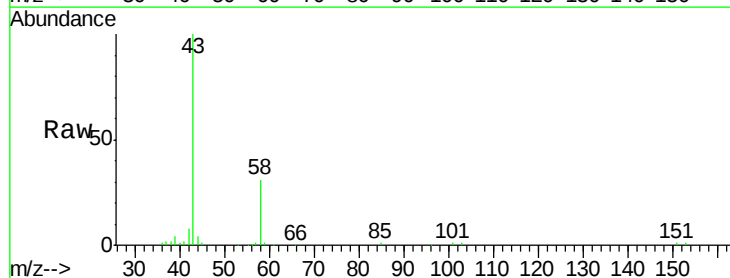
RT: 3.78 min Scan# 625

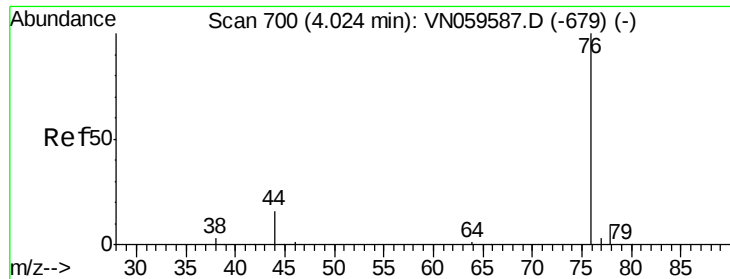
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	43	Resp:	147934
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4





#17

Carbon Disulfide

Concen: 17.549 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tot Ion: 76 Resp: 123751

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

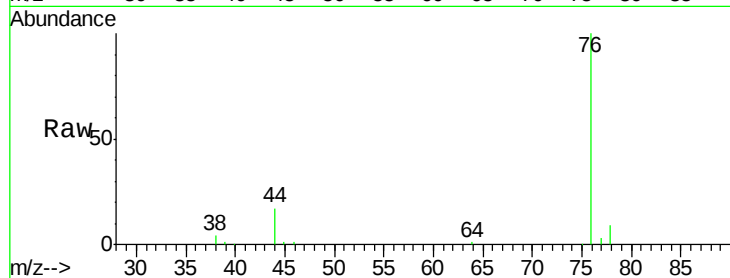
VN1219WBSD01

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

50000

40000

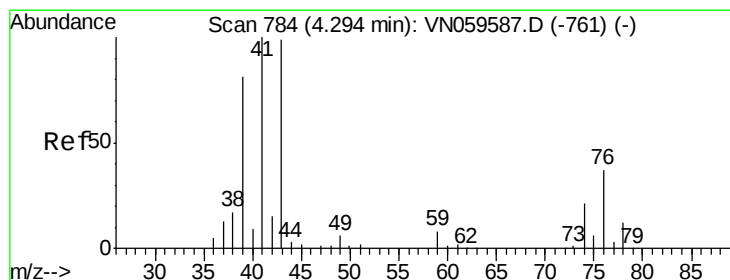
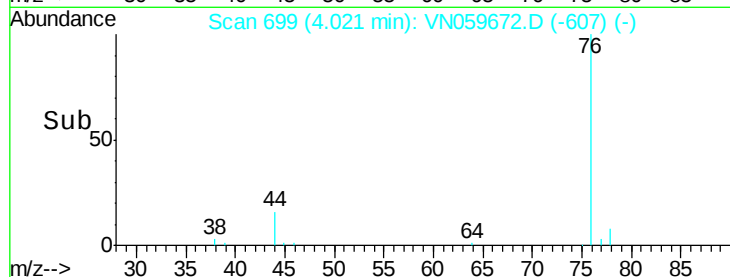
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.704 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059672.D

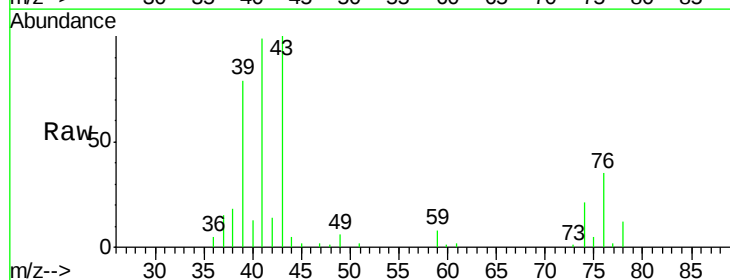
Acq: 19 Dec 2019 15:49

Tgt Ion: 43 Resp: 72032

Ion Ratio Lower Upper

43 100

74 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

30000

25000

20000

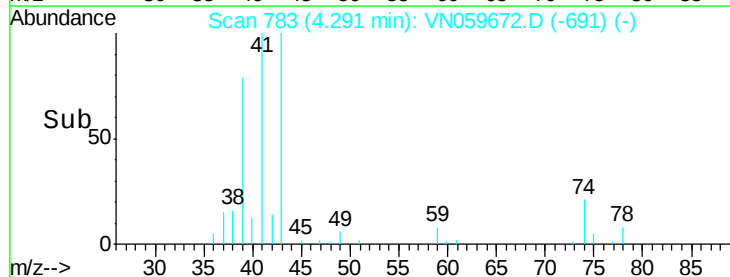
15000

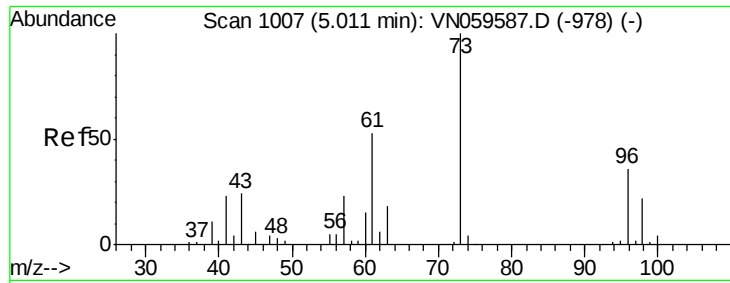
10000

5000

0

Time-->





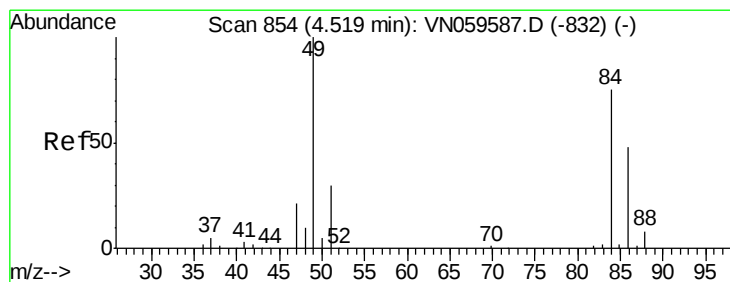
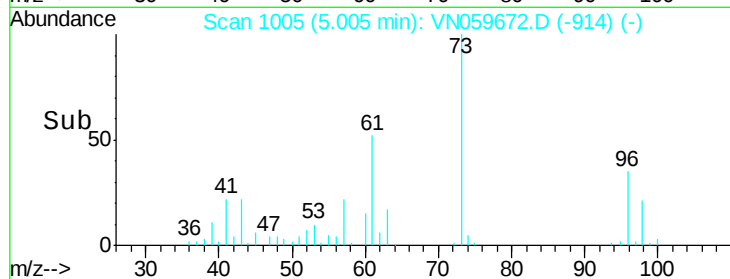
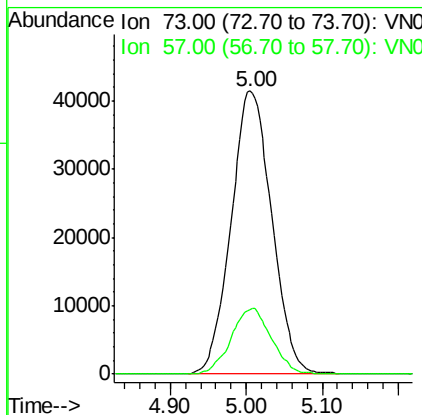
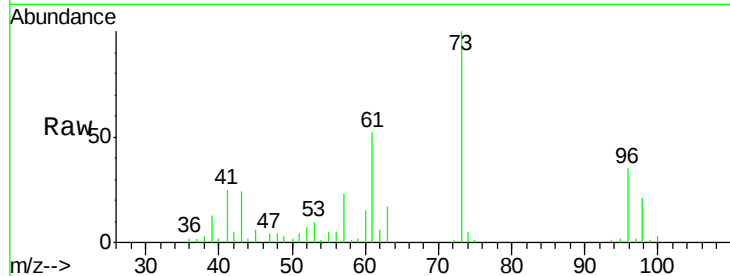
#19
Methvl tert-butvl Ether
Concen: 20.590 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 73 Resp: 153985
Ion Ratio Lower Upper
73 100
57 23.0 18.6 27.8

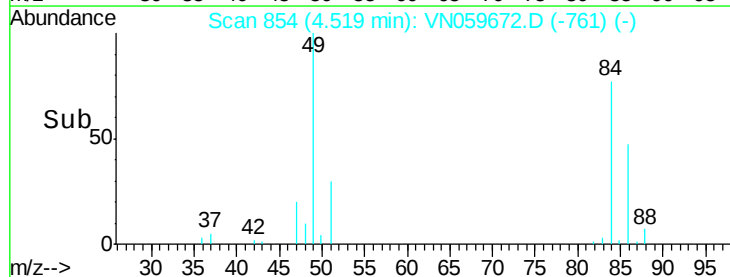
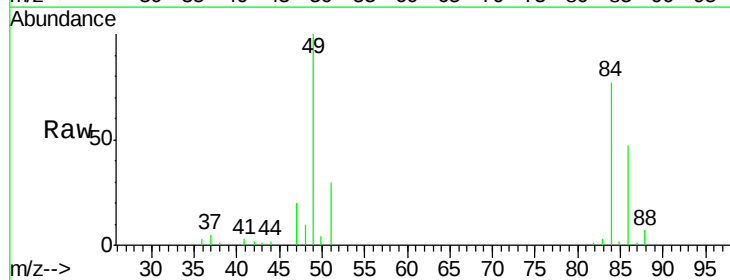
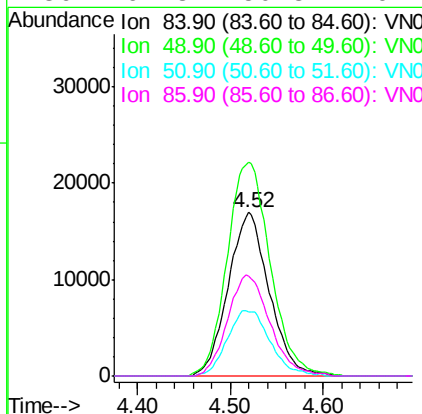
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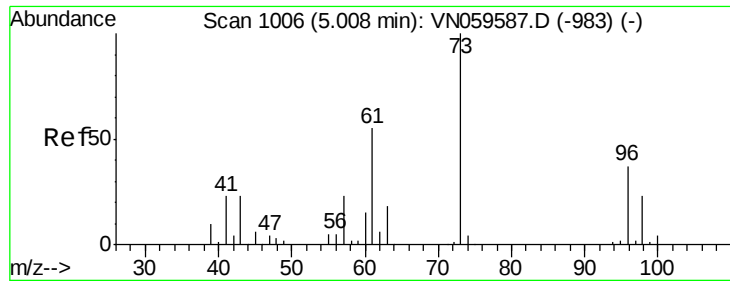
apatel
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#20
Methylene Chloride
Concen: 20.639 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 84 Resp: 52004
Ion Ratio Lower Upper
84 100
49 130.5 106.6 160.0
51 39.4 31.9 47.9
86 61.3 50.8 76.2





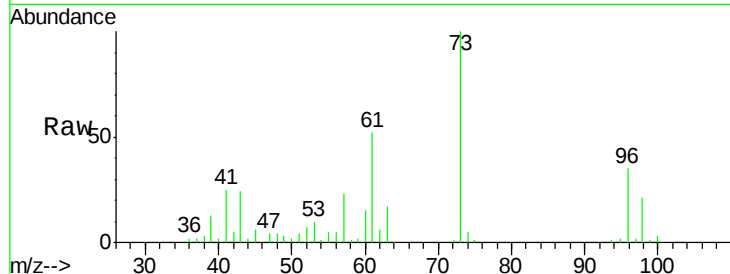
#21
trans-1,2-Dichloroethene
Concen: 19.497 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.1	120.4	180.6
98	61.3	50.6	75.8

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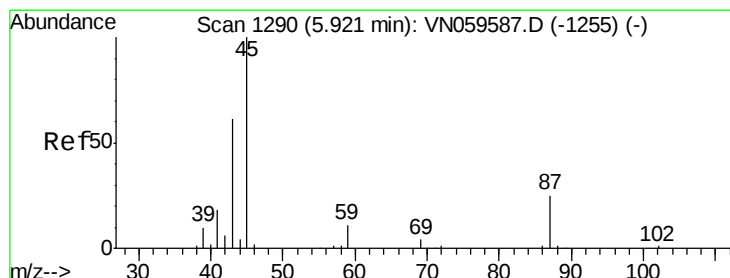
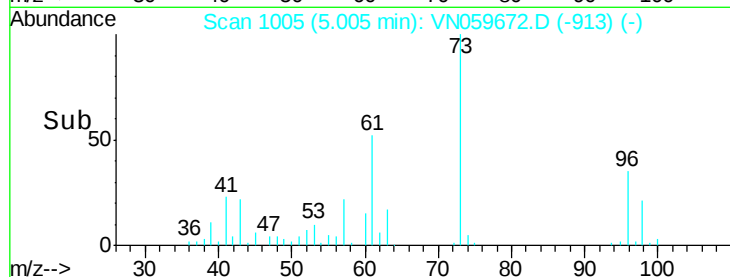
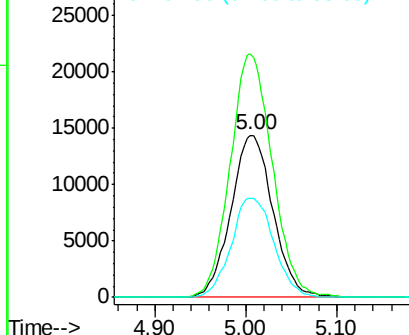


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 21.126 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.0	50.8	76.2
87	25.0	21.0	31.6
59	11.0	9.1	13.7

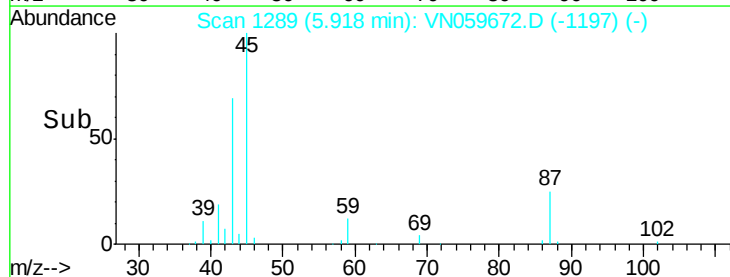
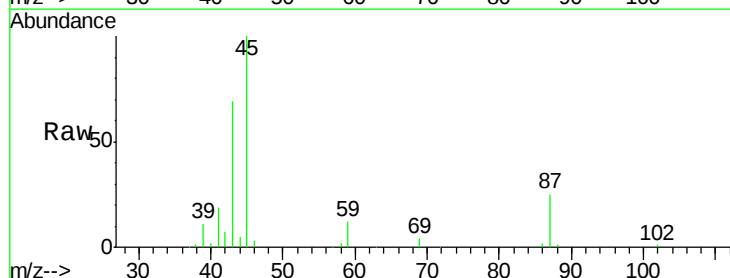
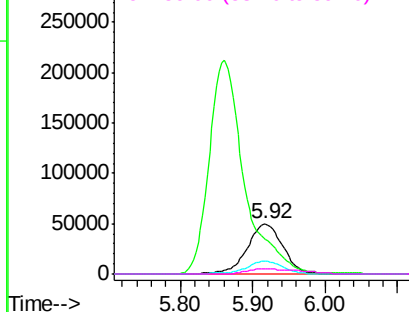
Abundance

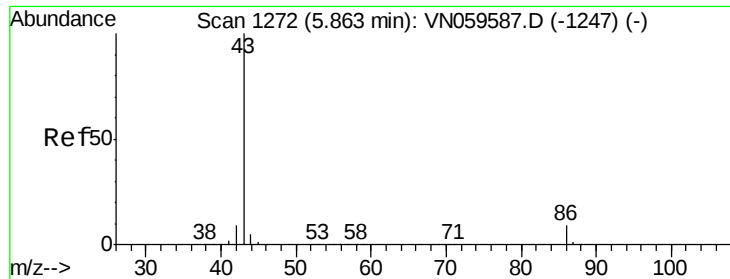
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 113.947 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 716821

Ion Ratio Lower Upper

43 100

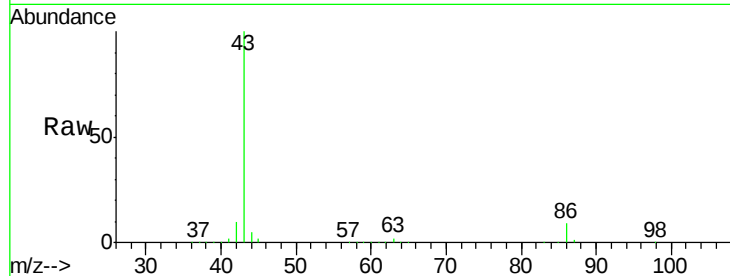
86 9.2 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

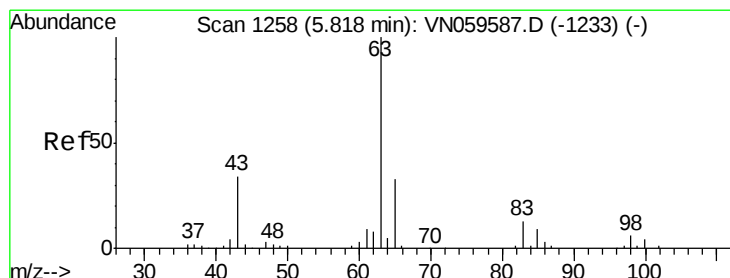
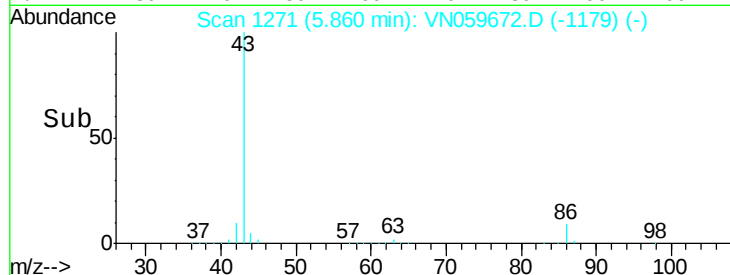
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.483 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

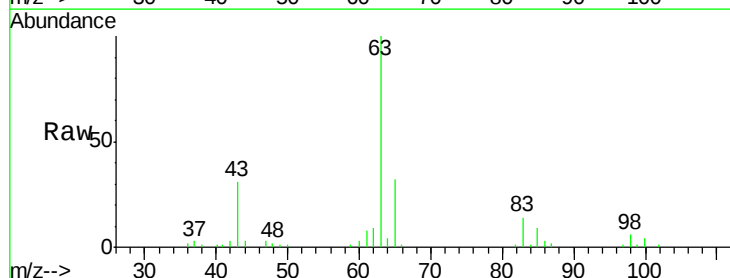
Tgt Ion: 63 Resp: 93013

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.7

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

40000

30000

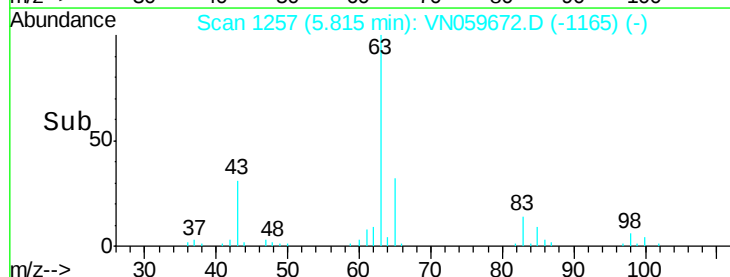
20000

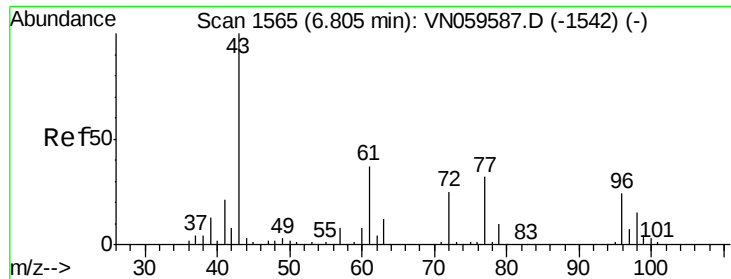
10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 89.620 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 186969

Ion Ratio Lower Upper

43 100

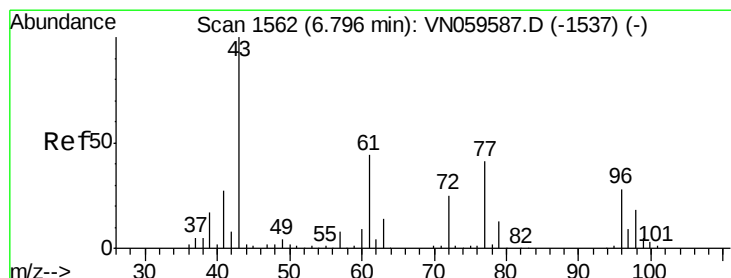
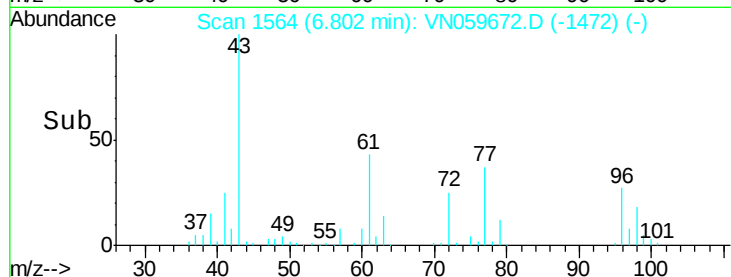
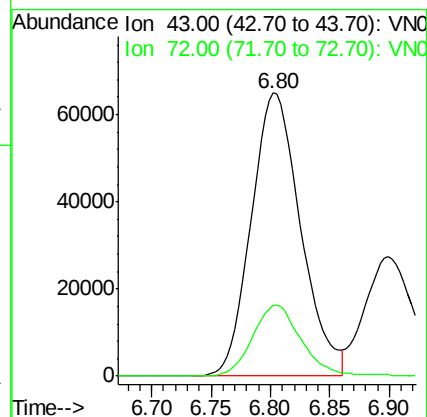
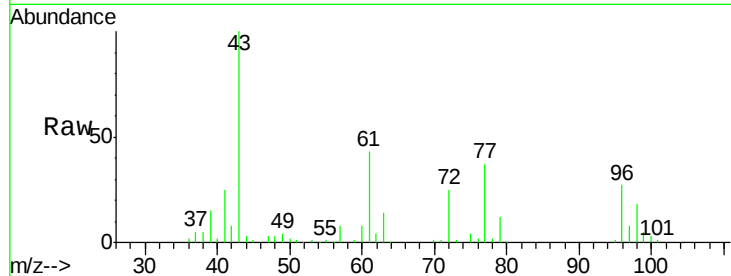
72 24.9 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.223 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059672.D

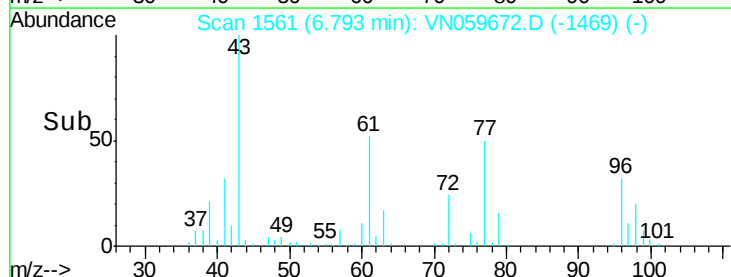
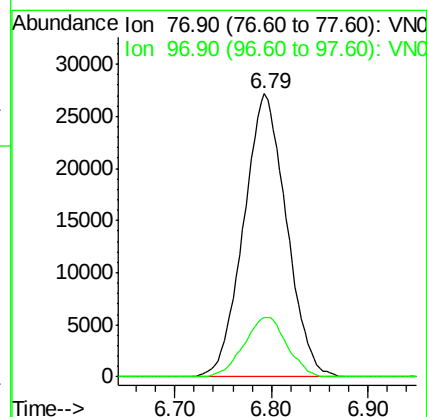
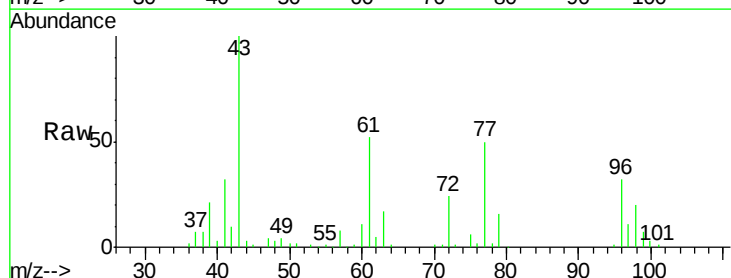
Acq: 19 Dec 2019 15:49

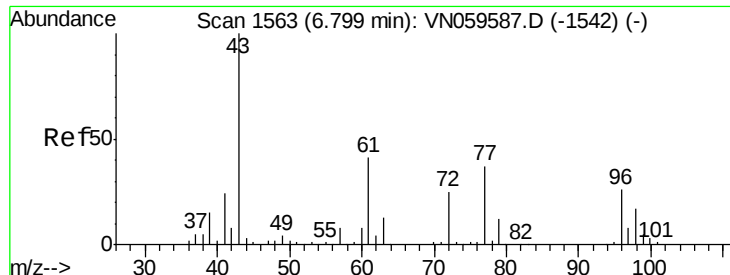
Tgt Ion: 77 Resp: 83461

Ion Ratio Lower Upper

77 100

97 21.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.040 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

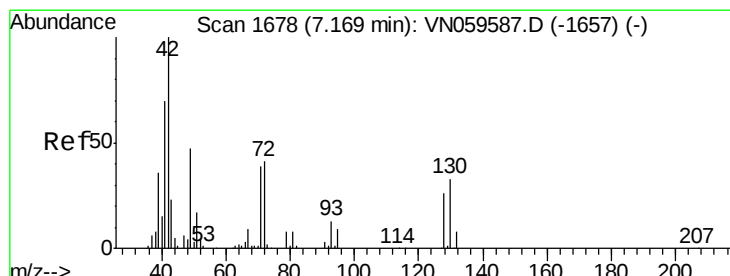
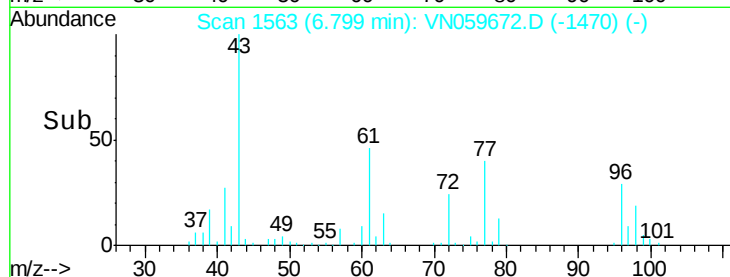
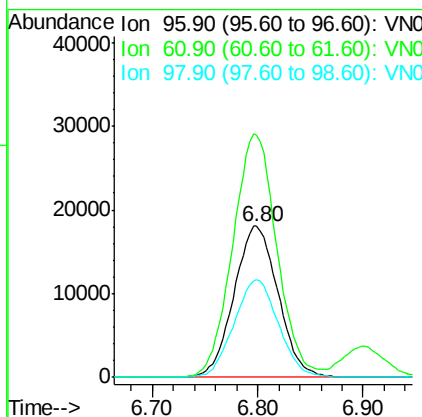
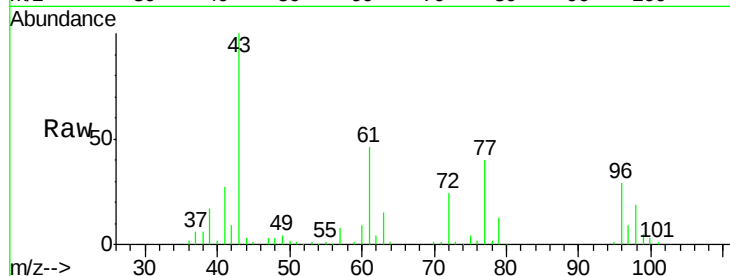
ClientSampleId :

VN1219WBSD01

Tot Ion:	96	Resp:	52433
Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	317.6
98	65.1	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 21.549 ug/l

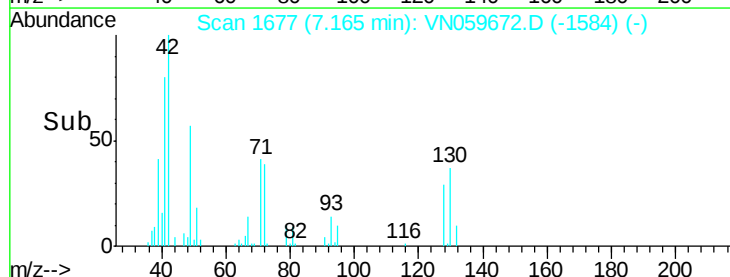
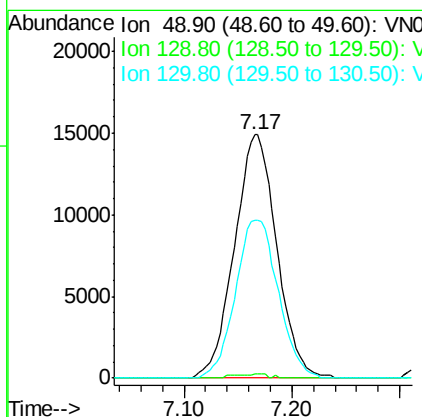
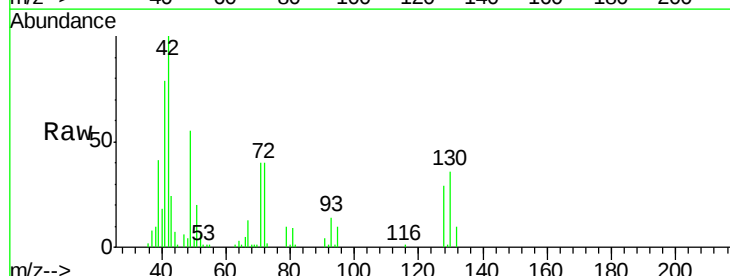
RT: 7.17 min Scan# 1677

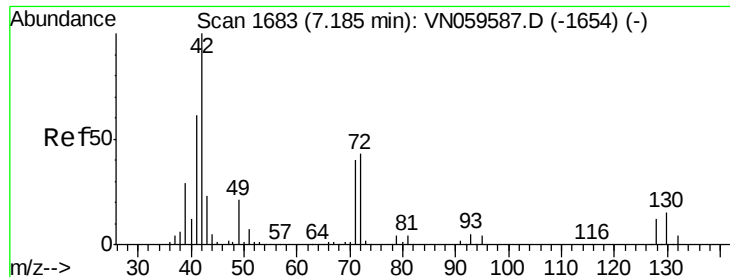
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	49	Resp:	40603
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	65.7	54.7	82.1





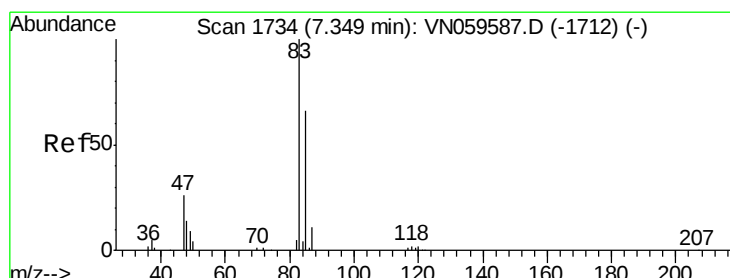
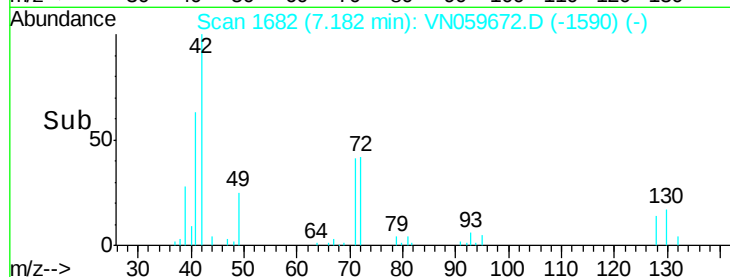
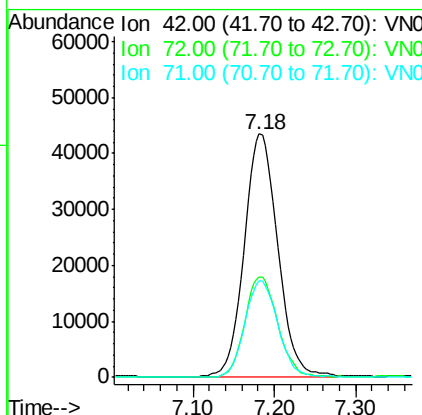
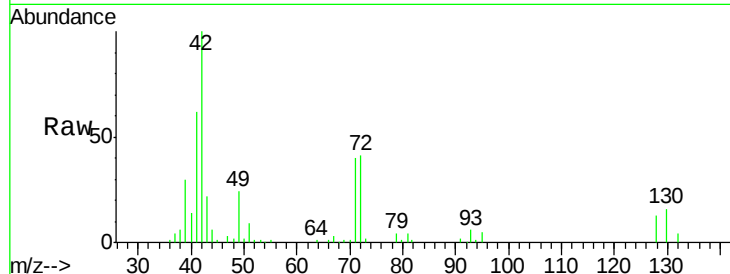
#29
Tetrahydrofuran
Concen: 97.529 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.1	49.7
71	38.8	31.4	47.0

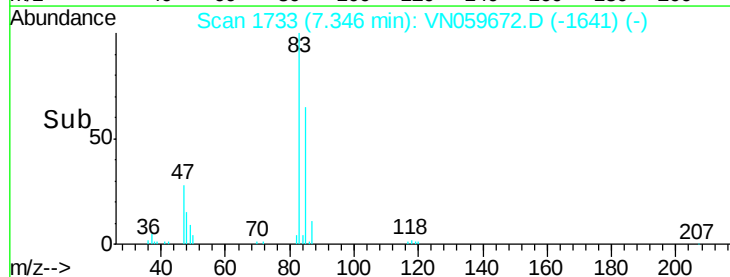
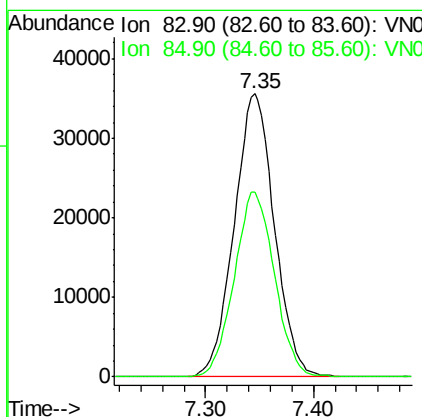
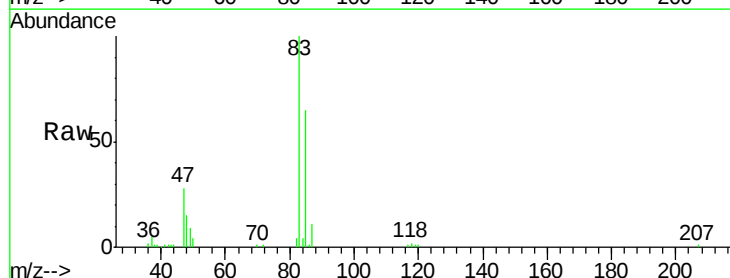
Manual Integrations
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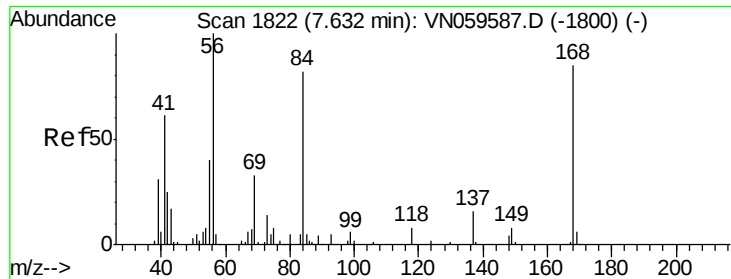
apatel
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#30
Chloroform
Concen: 20.583 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.4	78.6





#31

Cyclohexane

Concen: 19.570 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

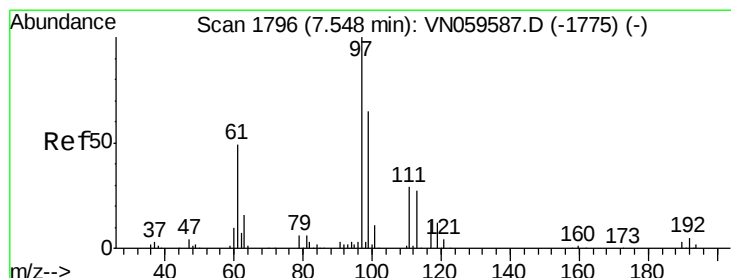
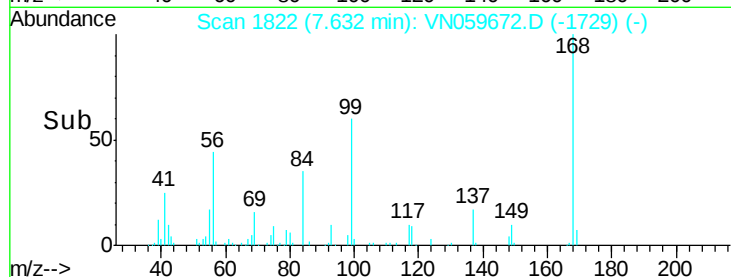
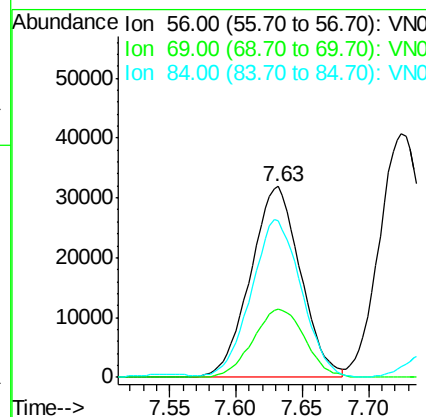
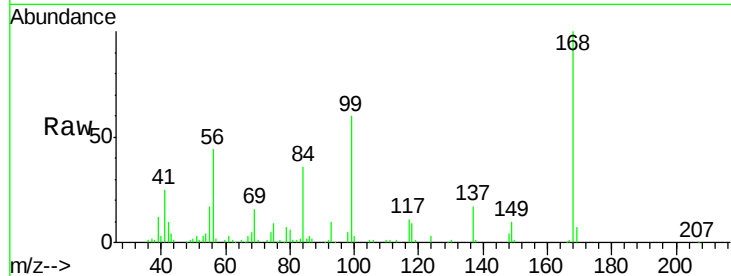
ClientSampleId :

VN1219WBSD01

Tot Ion:	56	Resp:	83965
Ion Ratio	Lower	Upper	
56	100		
69	35.7	26.5	39.7
84	80.9	65.3	97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.992 ug/l

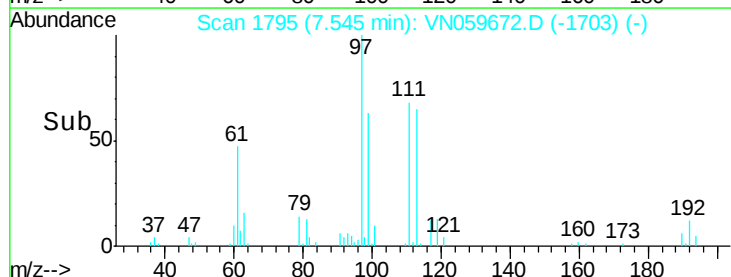
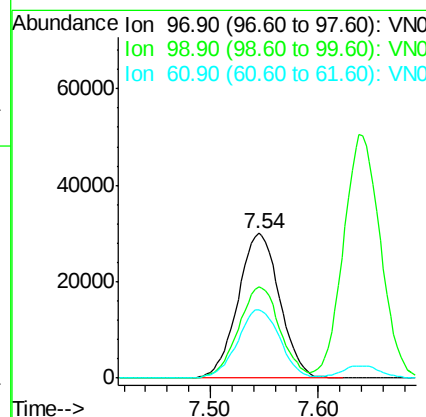
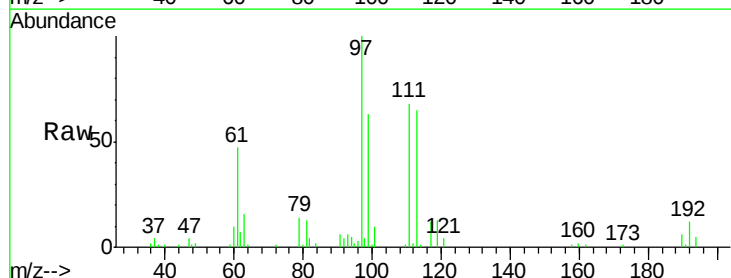
RT: 7.54 min Scan# 1795

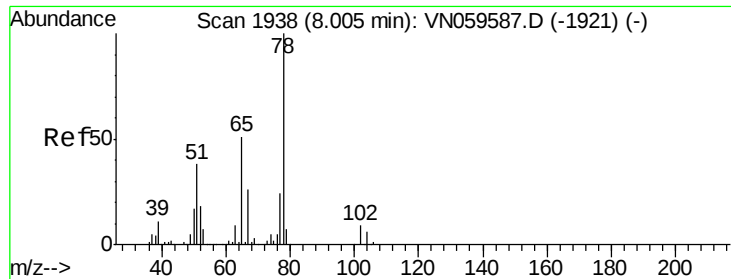
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	97	Resp:	80562
Ion Ratio	Lower	Upper	
97	100		
99	62.8	51.0	76.4
61	48.1	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 52.701 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 65 Resp: 154864

Ion Ratio Lower Upper

65 100

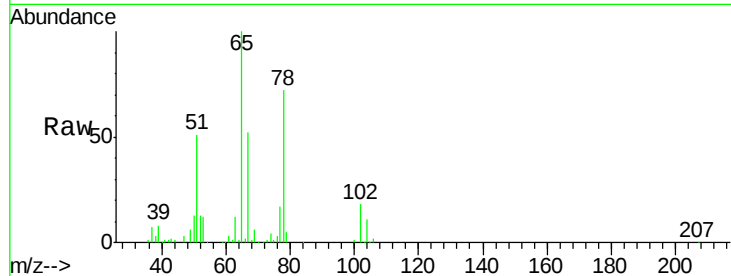
67 52.0 0.0 103.0

Manual Integrations

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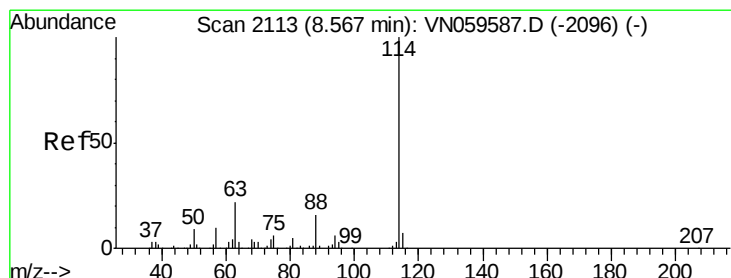
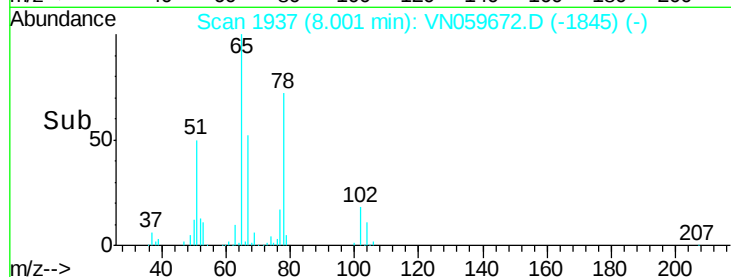
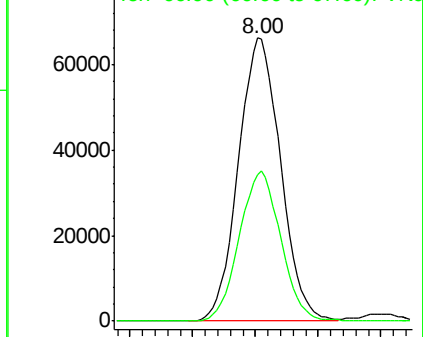
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

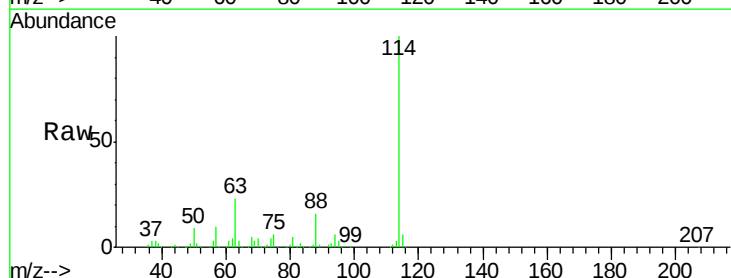
Tgt Ion: 114 Resp: 314154

Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.6

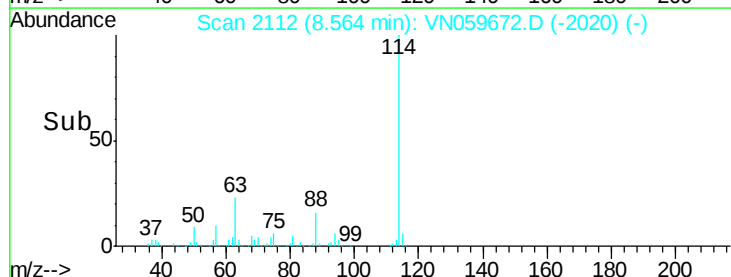
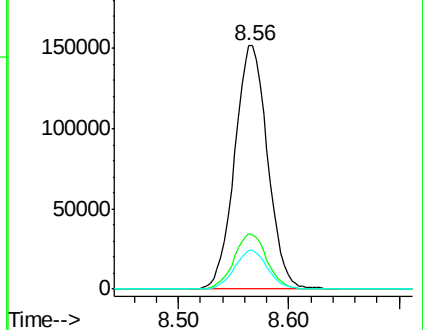
88 15.8 0.0 31.4

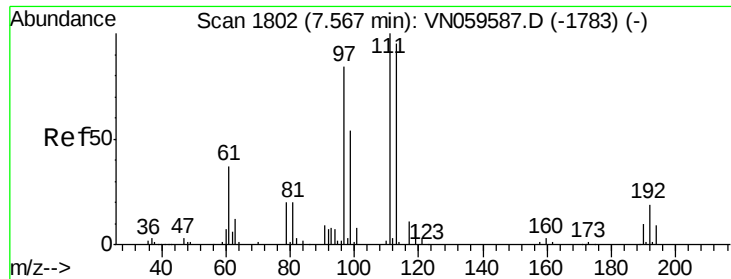


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





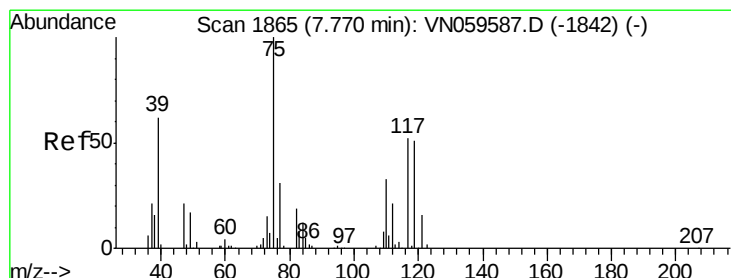
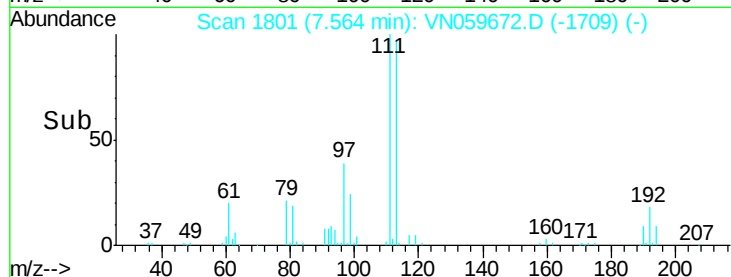
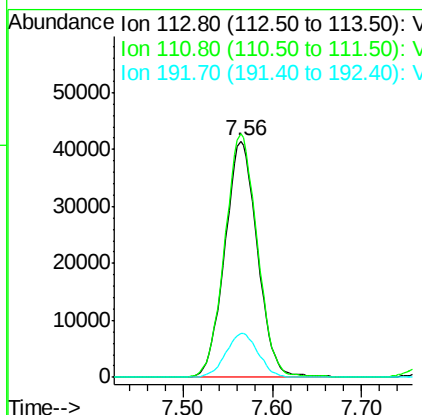
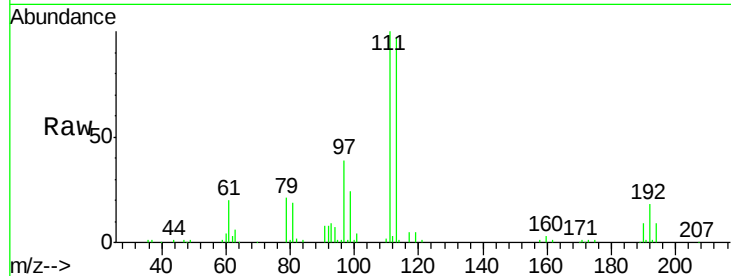
#35
Dibromofluoromethane
Concen: 53.290 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104747		
111	103.2	83.5	125.3	
192	18.4	15.4	23.2	

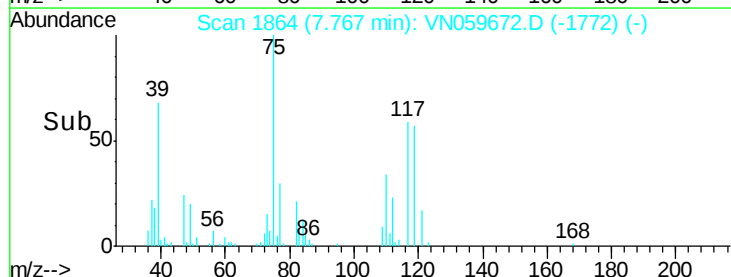
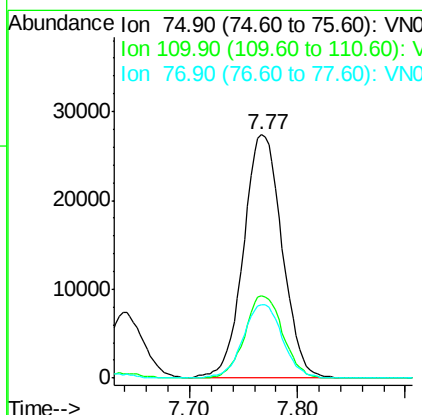
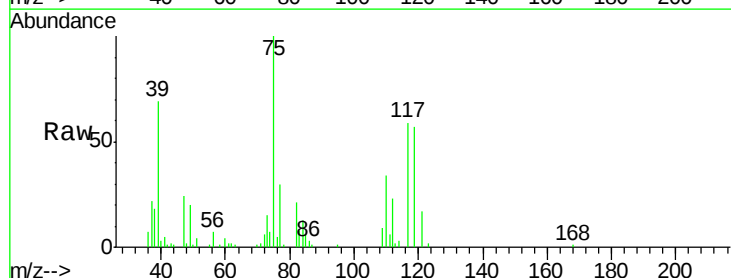
Manual Integrations
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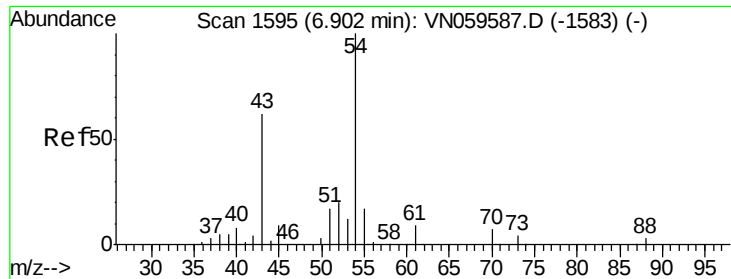
apatel
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#36
1,1-Dichloropropene
Concen: 20.786 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68097		
110	33.2	16.6	49.7	
77	30.7	25.1	37.7	





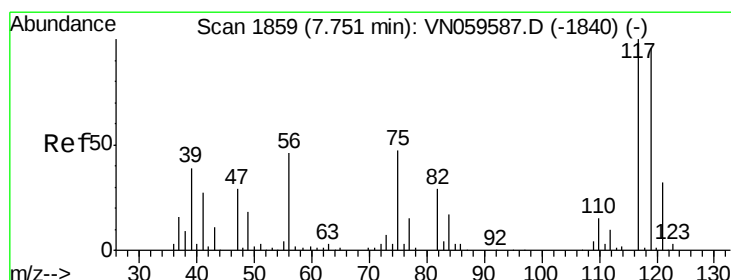
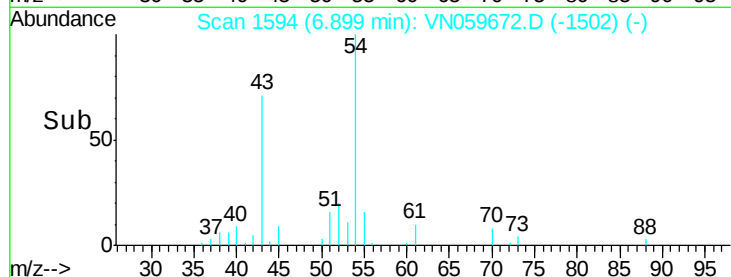
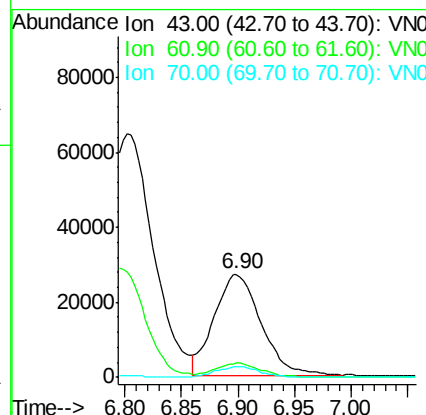
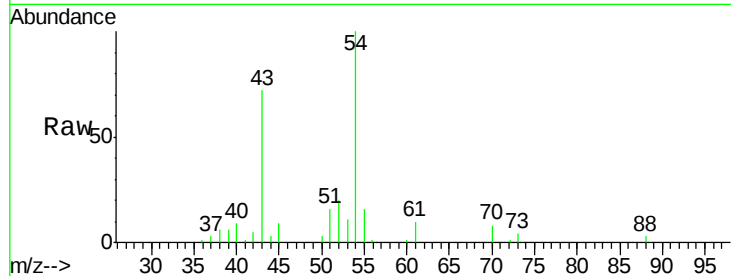
#37
Ethyl Acetate
Concen: 20.530 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.6	10.9	16.3	
70	9.7	7.7	11.5	

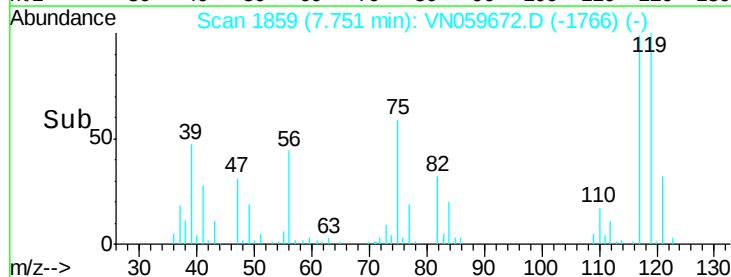
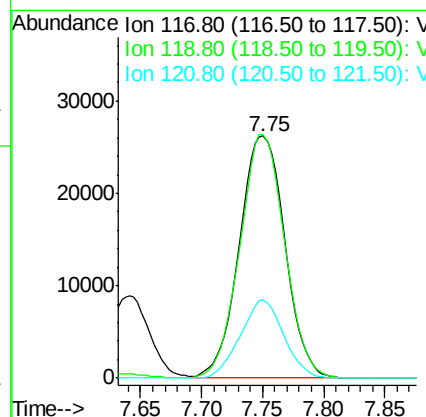
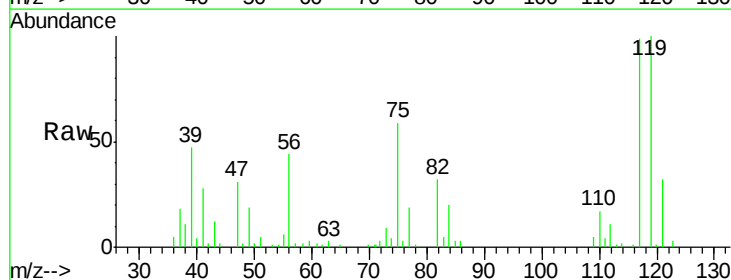
Manual Integrations
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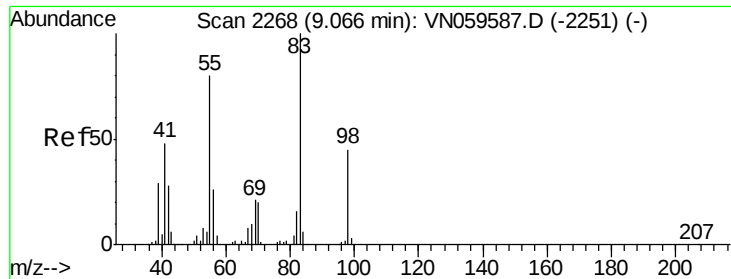
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#38
Carbon Tetrachloride
Concen: 20.005 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	100.7	76.5	114.7	
121	32.4	25.1	37.7	





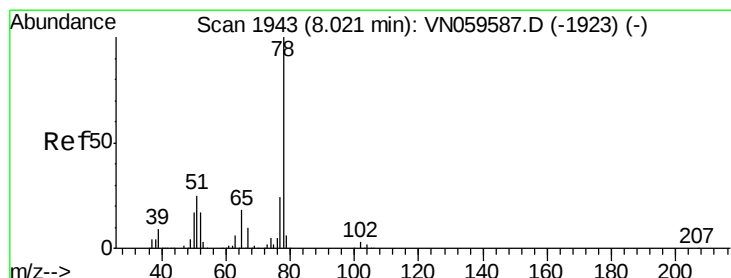
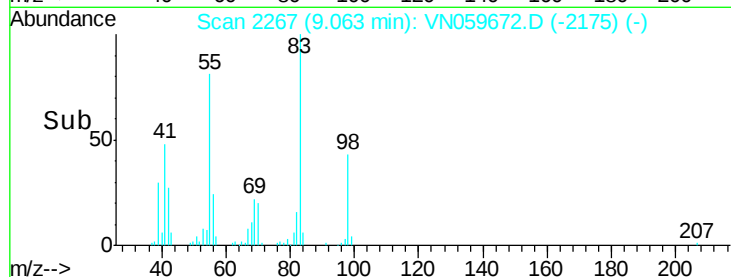
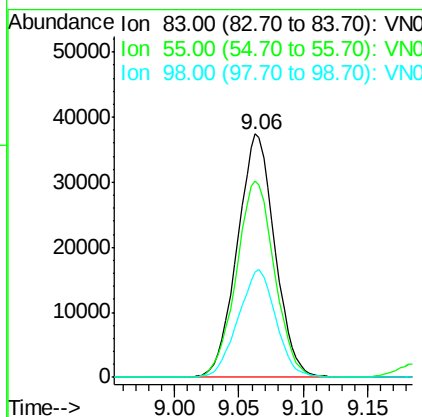
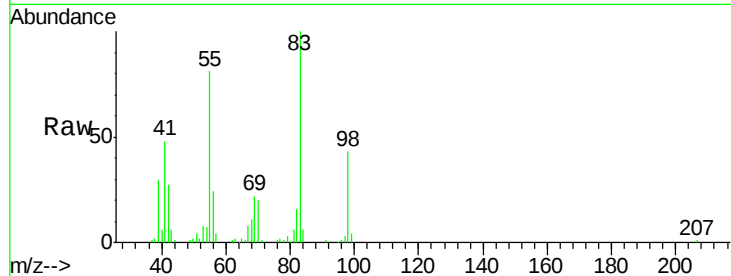
#39
Methvlcvclohexane
Concen: 20.358 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	64.2	96.2
98	43.2	35.9	53.9

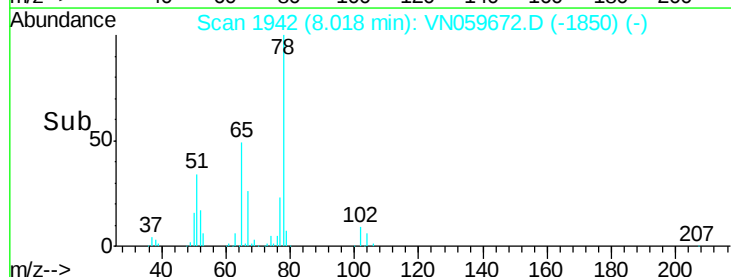
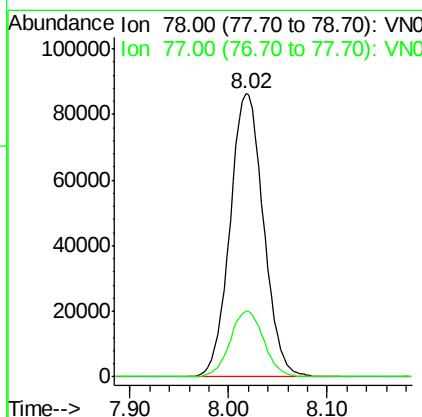
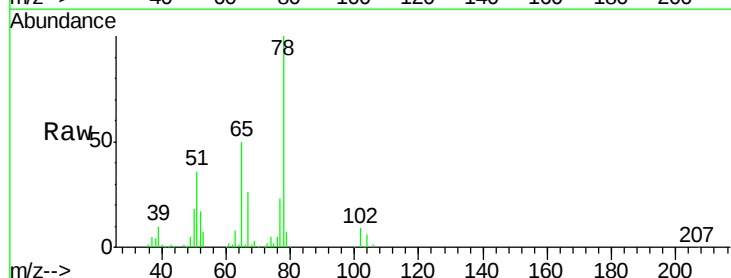
Manual Integrations
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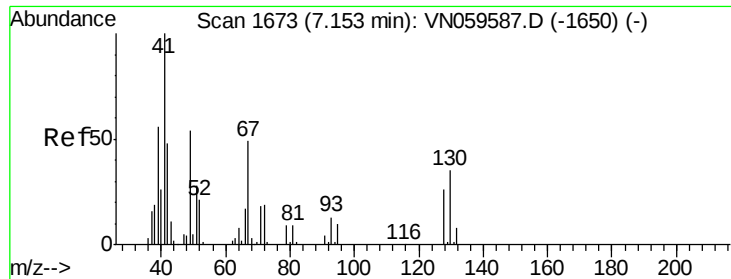
apatel
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#40
Benzene
Concen: 21.305 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





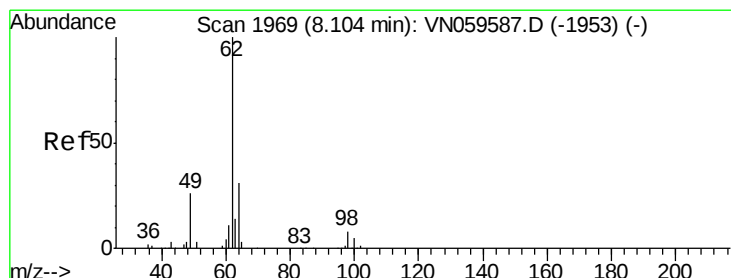
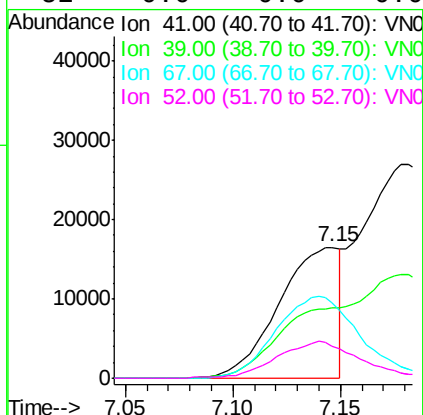
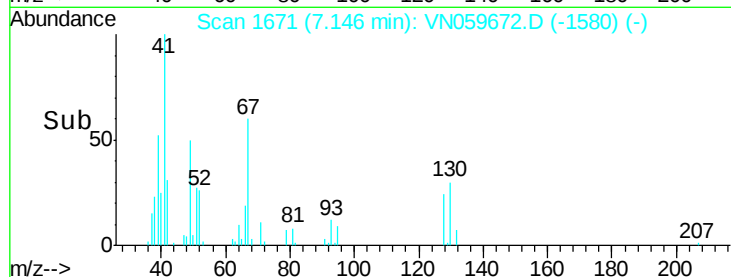
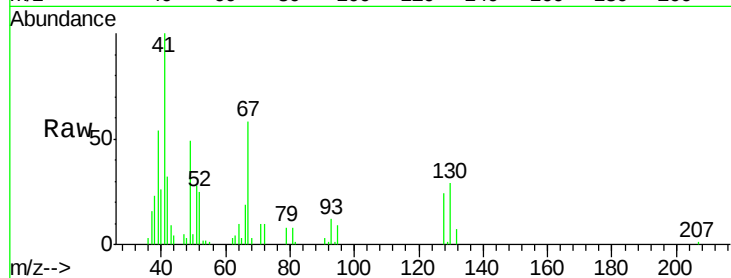
#41
Methacrylonitrile
Concen: 20.603 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	182.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

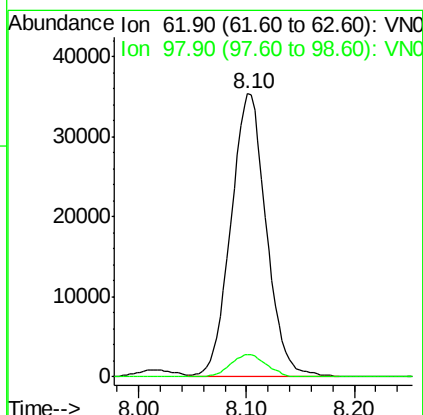
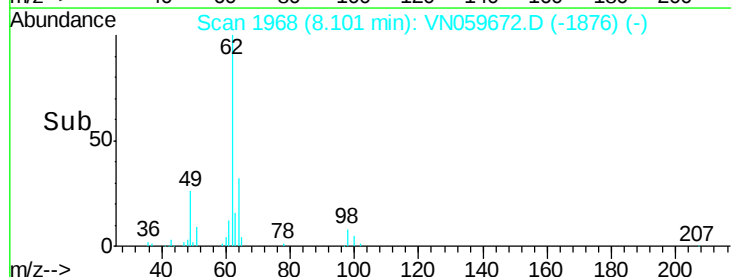
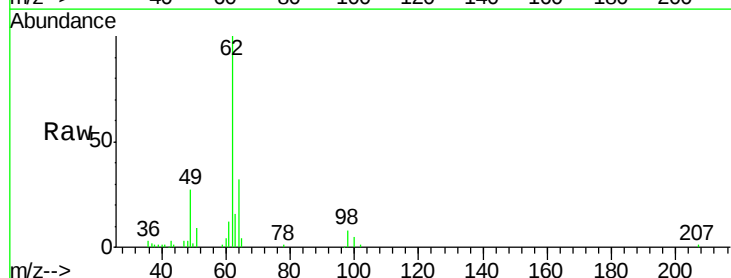
Manual Integrations
APPROVED

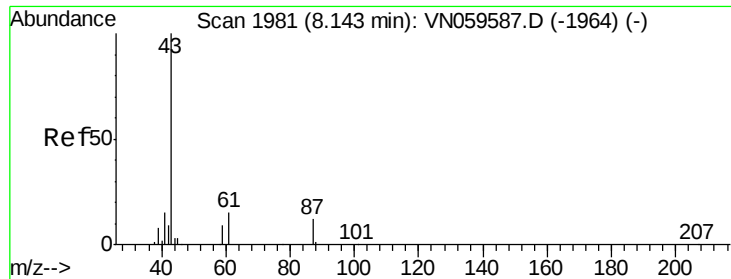
apatel
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#42
1,2-Dichloroethane
Concen: 22.089 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.032 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

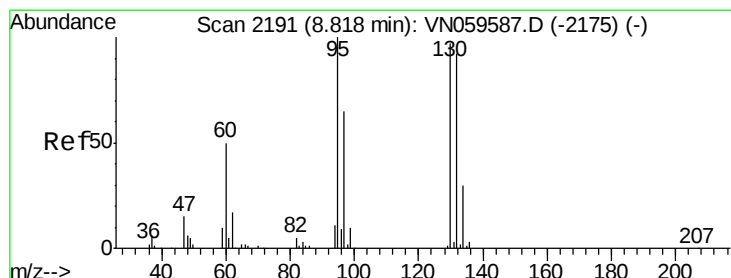
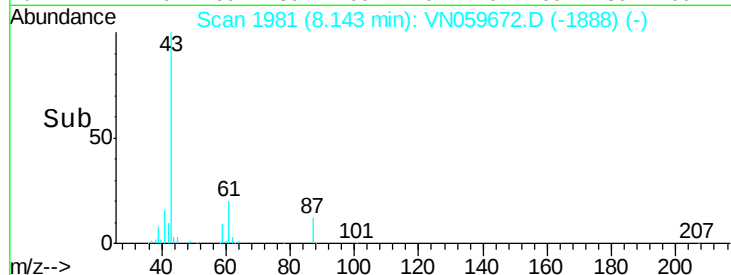
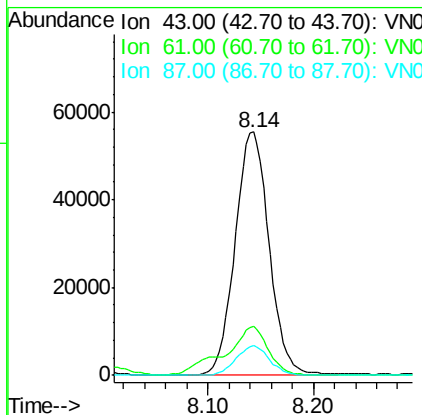
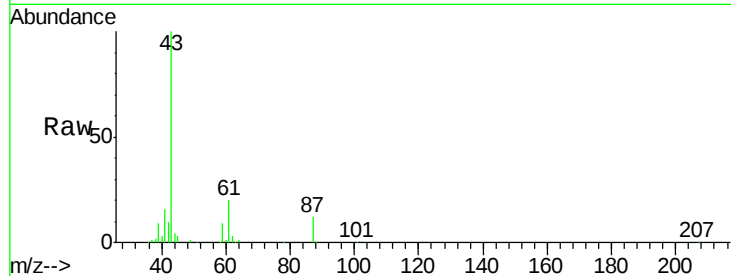
ClientSampleId :

VN1219WBSD01

Tot Ion:	43	Resp:	124508
Ion Ratio		Lower	Upper
43	100		
61	25.8	20.2	30.2
87	11.8	9.5	14.3

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#44

Trichloroethene

Concen: 20.899 ug/l

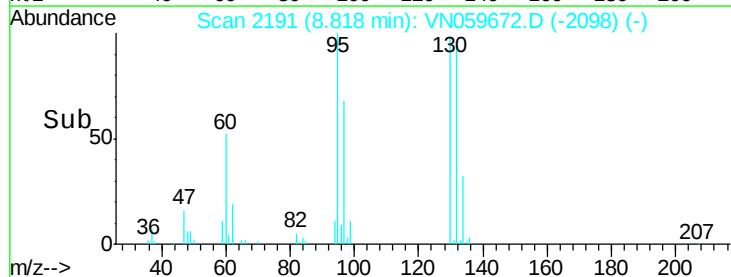
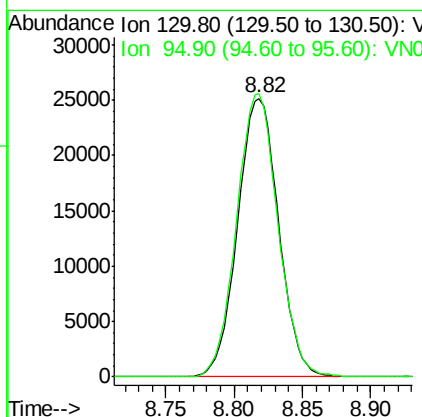
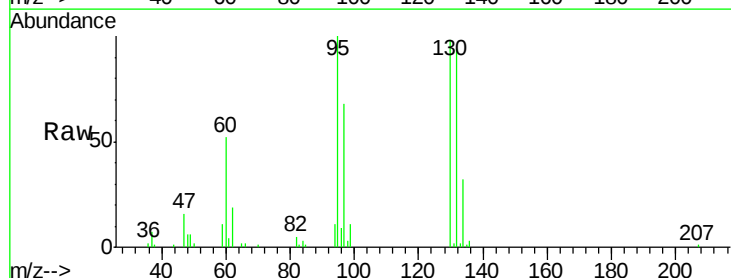
RT: 8.82 min Scan# 2191

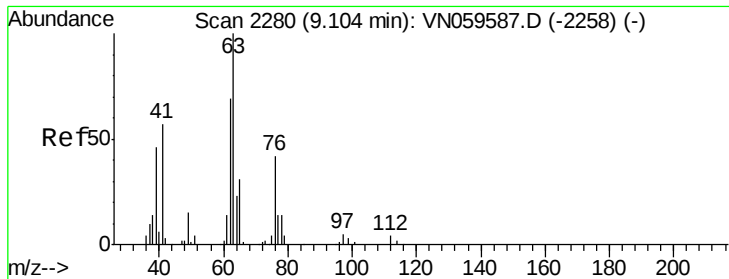
Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	130	Resp:	52411
Ion Ratio		Lower	Upper
130	100		
95	101.7	0.0	207.0





#45

1,2-Dichloropropane

Concen: 21.925 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 63 Resp: 56686

Ion Ratio Lower Upper

63 100

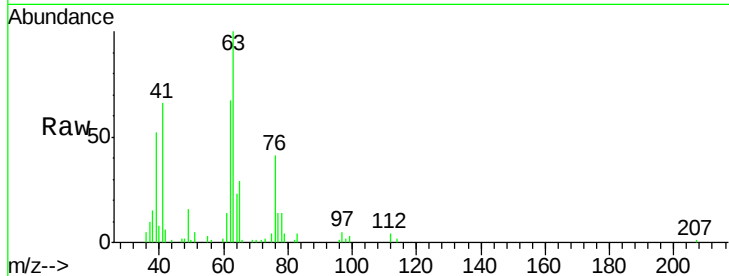
65 28.8 24.9 37.3

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

30000

25000

20000

15000

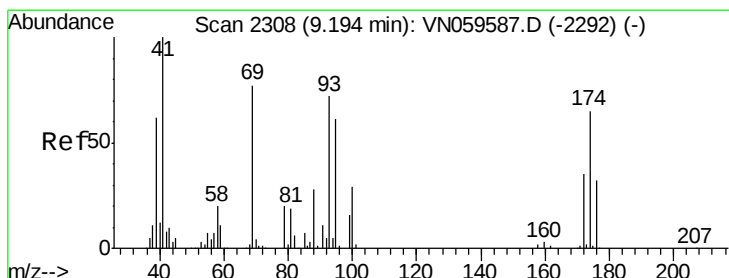
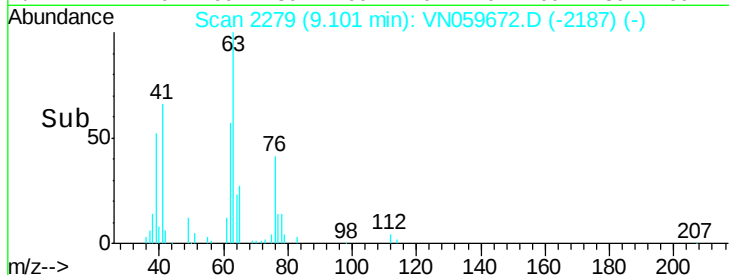
10000

5000

0

Time-->

9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 21.410 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

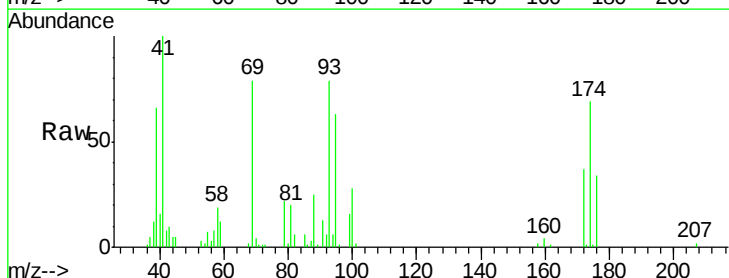
Tgt Ion: 93 Resp: 36264

Ion Ratio Lower Upper

93 100

95 80.0 67.0 100.6

174 90.8 73.4 110.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

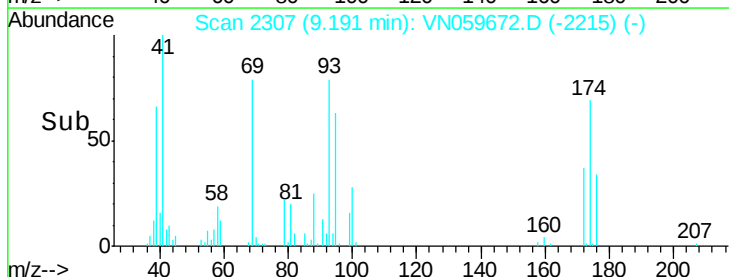
10000

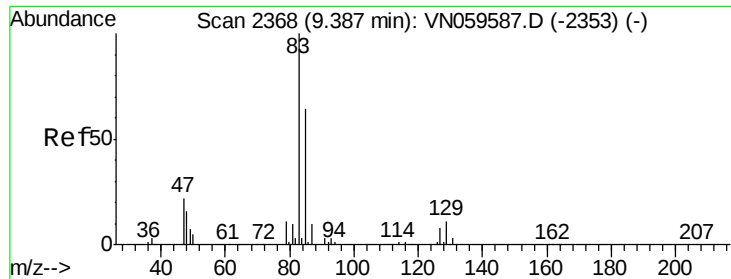
5000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 21.395 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

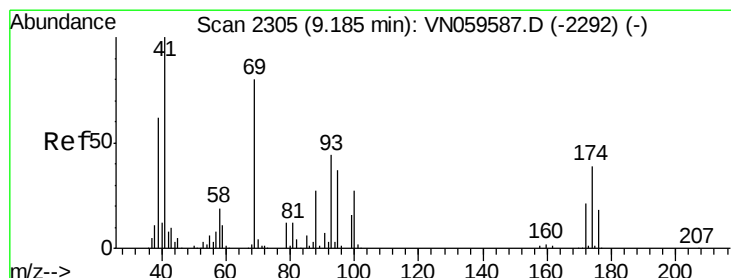
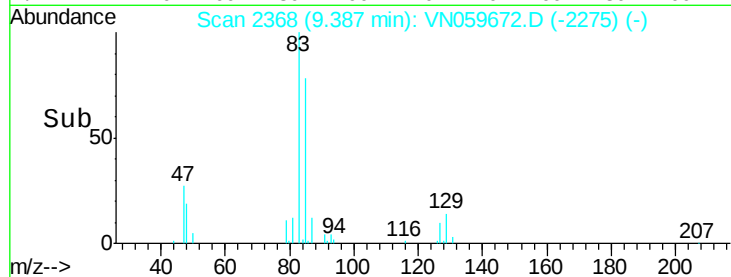
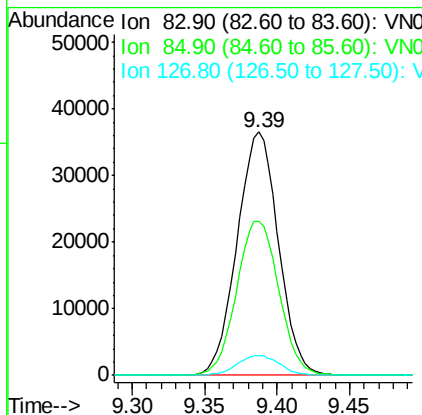
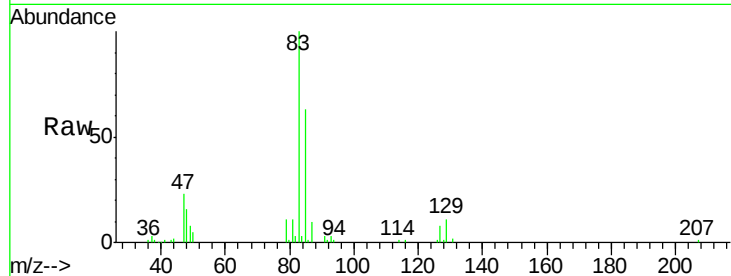
ClientSampleId :

VN1219WBSD01

Tot Ion:	83	Resp:	72253
Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7
127	8.2	6.6	9.8

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#48

Methyl methacrylate

Concen: 20.480 ug/l

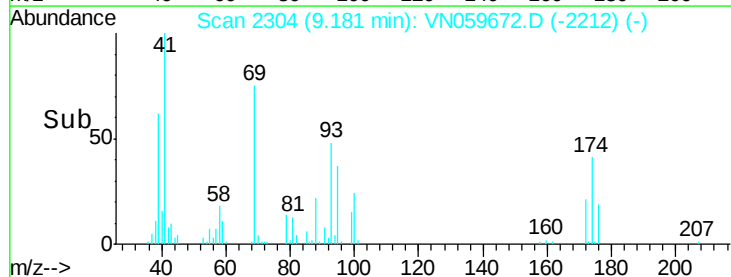
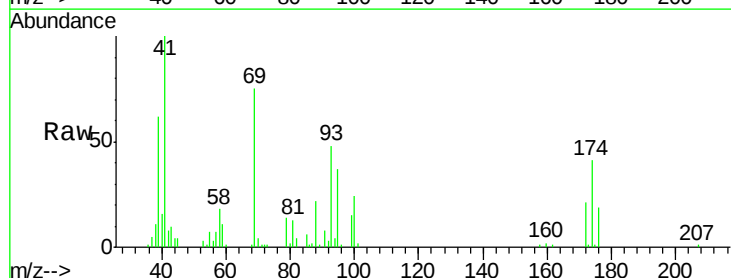
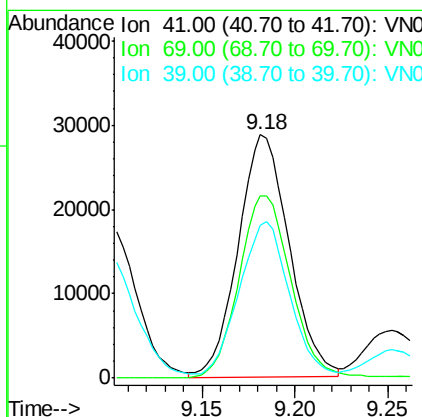
RT: 9.18 min Scan# 2304

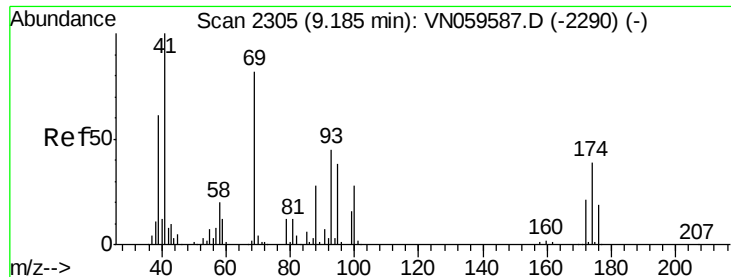
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	41	Resp:	55009
Ion	Ratio	Lower	Upper
41	100		
69	76.4	64.4	96.6
39	63.5	51.3	76.9





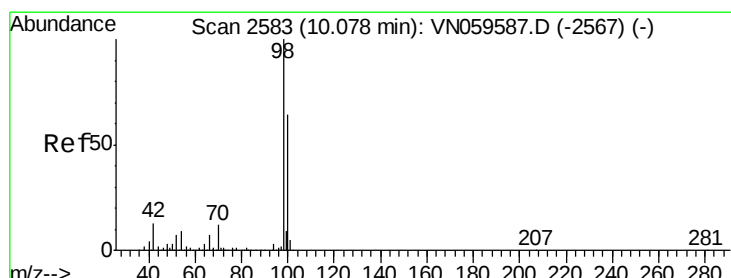
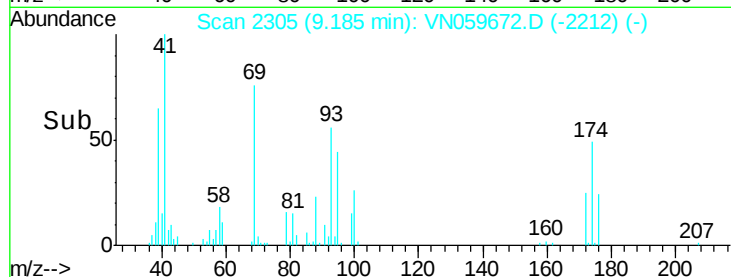
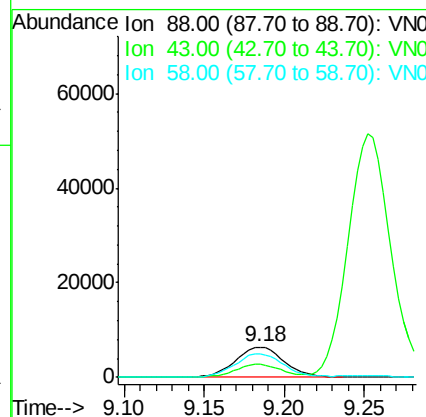
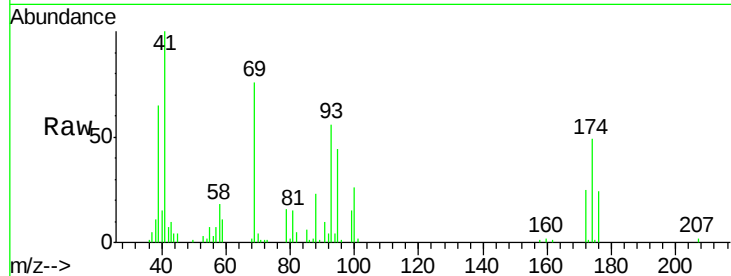
#49
1,4-Dioxane
Concen: 344.444 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	88	Resp	13258
Ion	Ratio	Lower	Upper
88	100		
43	42.6	29.7	44.5
58	78.2	56.6	85.0

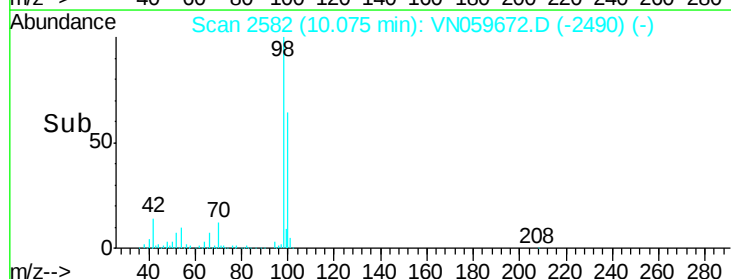
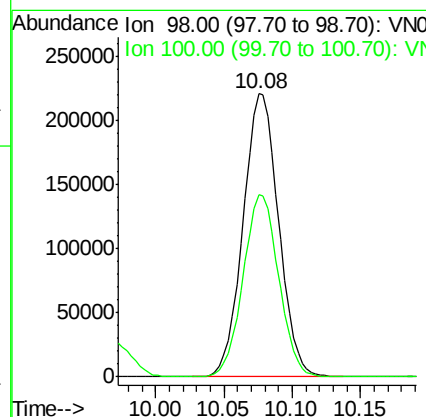
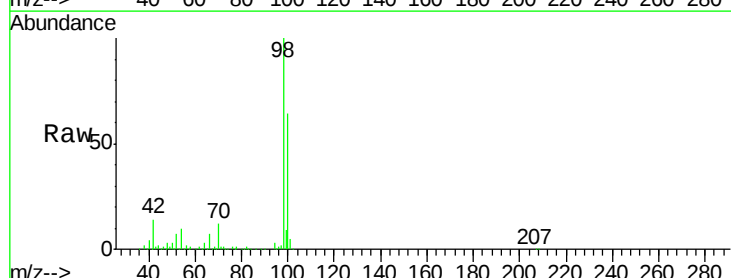
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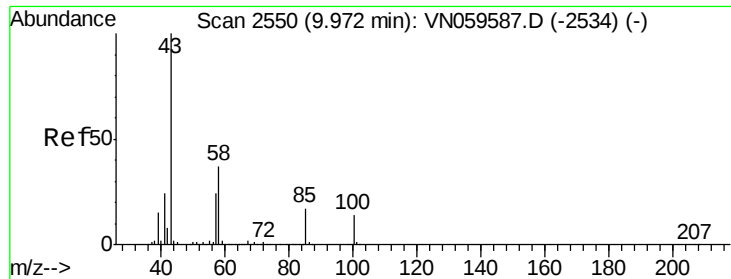
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#50
Toluene-d8
Concen: 51.401 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	98	Resp	400014
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.848 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 43 Resp: 377139

Ion Ratio Lower Upper

43 100

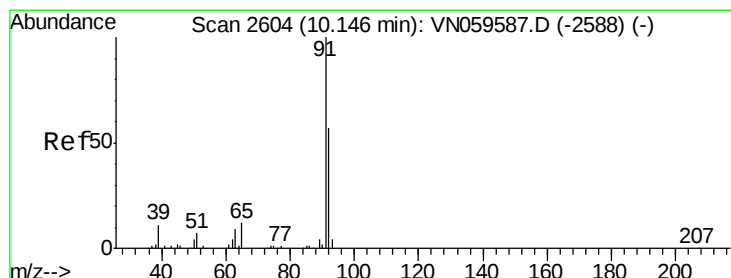
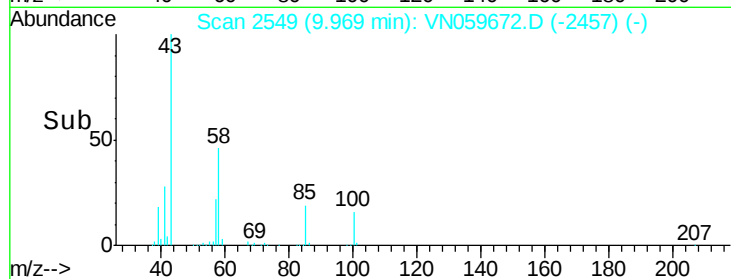
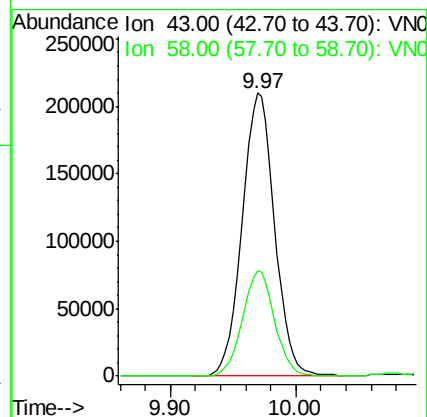
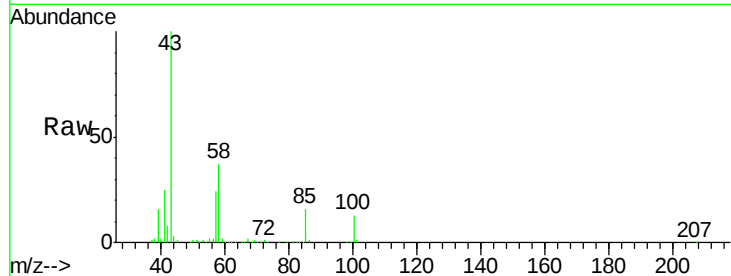
58 36.8 29.8 44.8

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#52

Toluene

Concen: 20.828 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059672.D

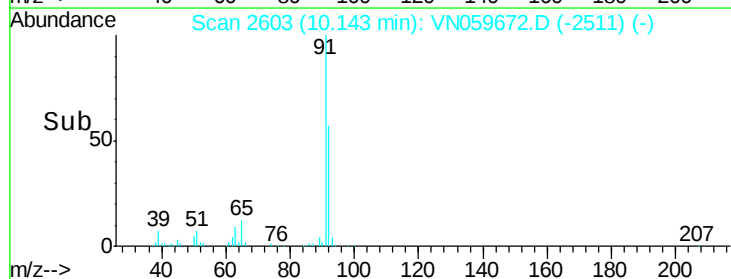
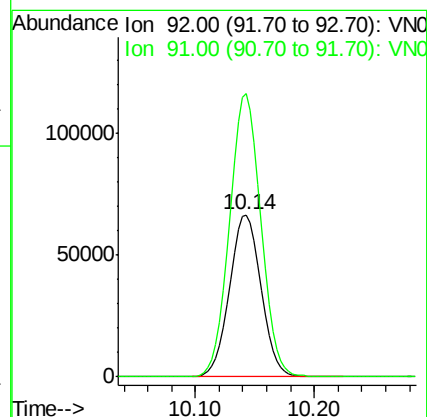
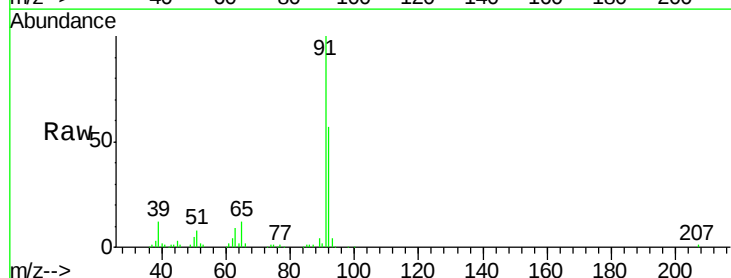
Acq: 19 Dec 2019 15:49

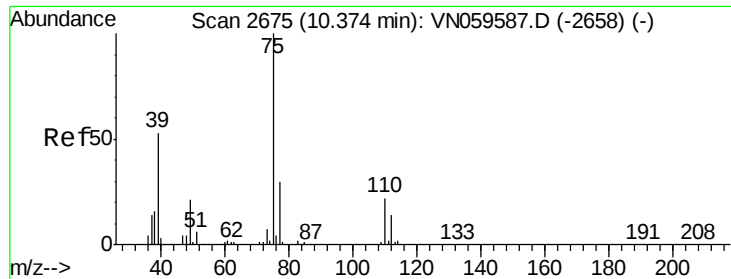
Tgt Ion: 92 Resp: 122525

Ion Ratio Lower Upper

92 100

91 173.4 140.4 210.6





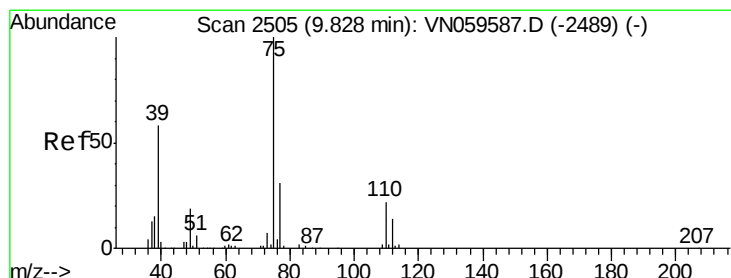
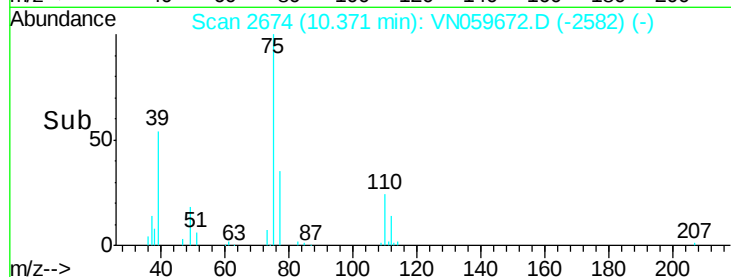
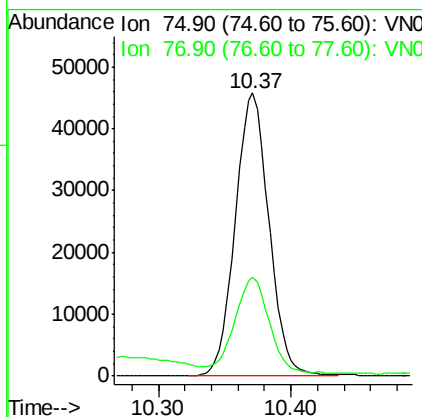
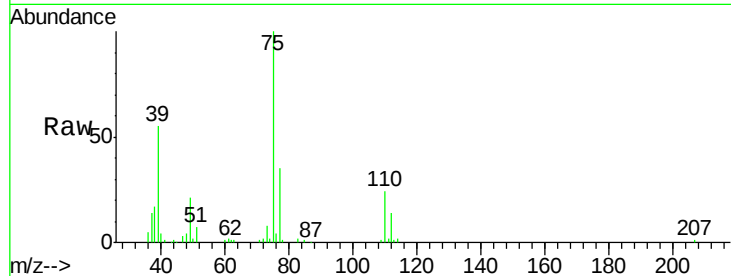
#53
t-1,3-Dichloropropene
Concen: 20.754 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 75 Resp: 81059
Ion Ratio Lower Upper
75 100
77 33.9 25.4 38.2

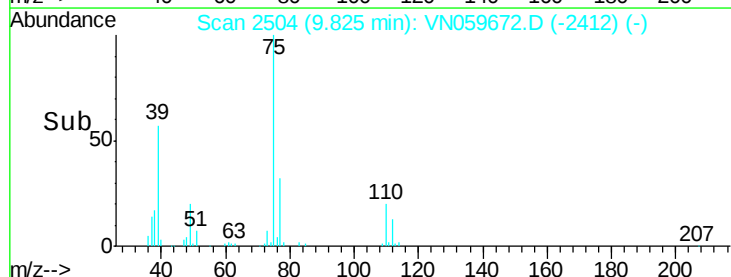
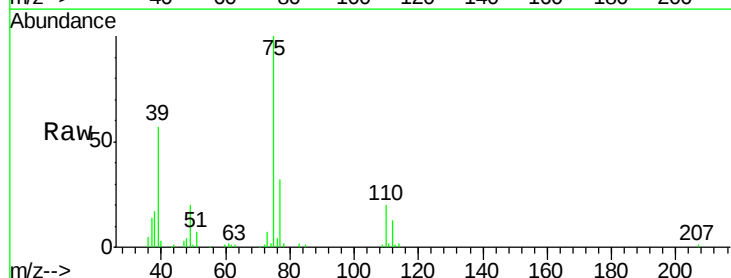
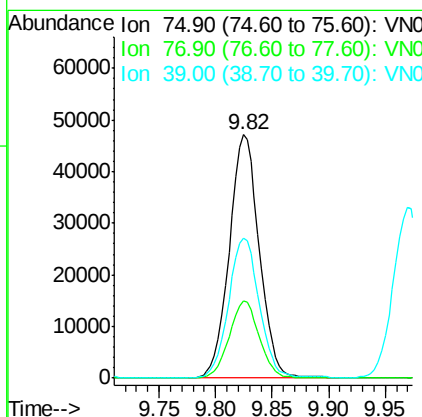
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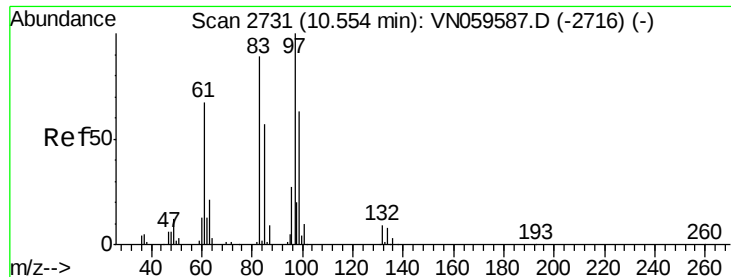
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#54
cis-1,3-Dichloropropene
Concen: 21.142 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 75 Resp: 86798
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7
39 57.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 22.200 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 97 Resp: 51246

Ion Ratio Lower Upper

97 100

83 85.8 71.3 106.9

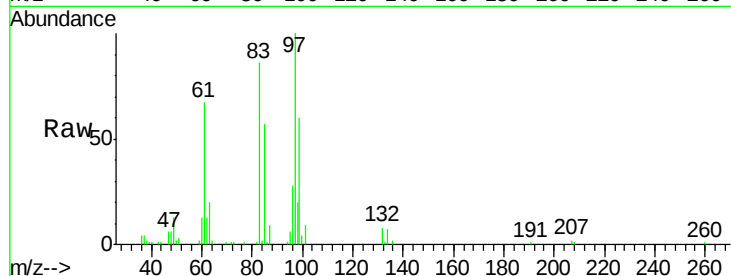
85 57.2 45.8 68.8

99 60.4 50.0 75.0

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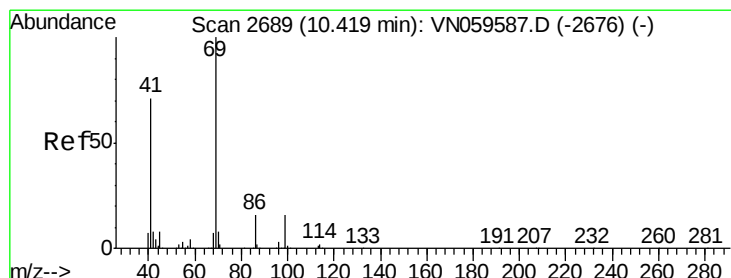
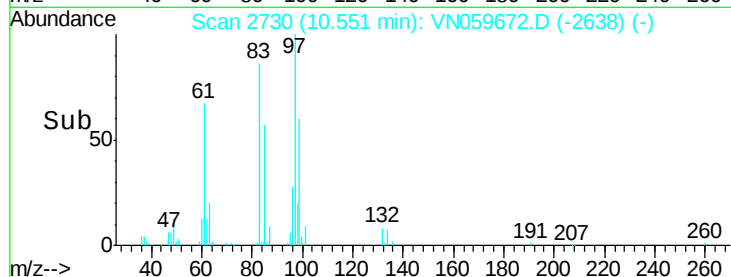
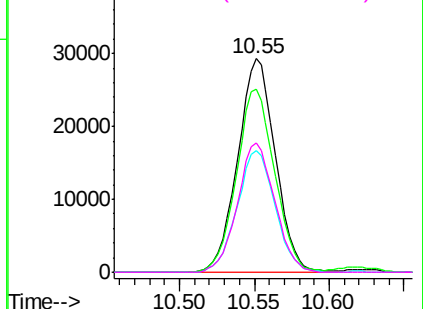


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.527 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

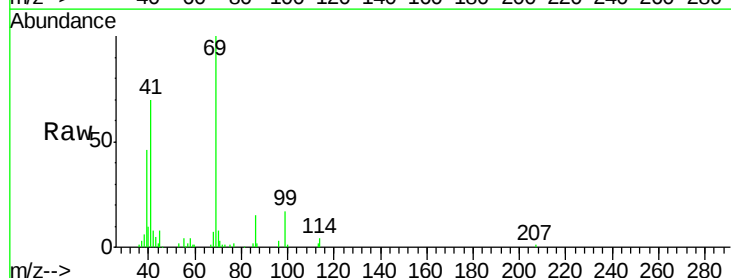
Tgt Ion: 69 Resp: 70344

Ion Ratio Lower Upper

69 100

41 71.0 57.1 85.7

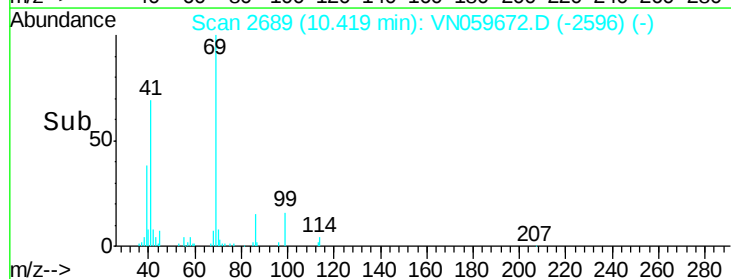
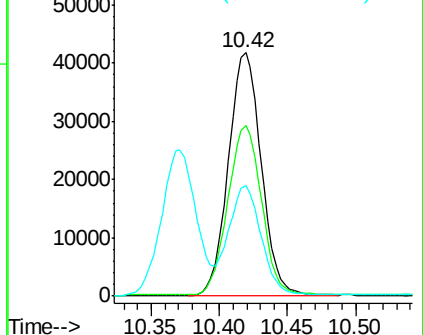
39 44.7 34.7 52.1

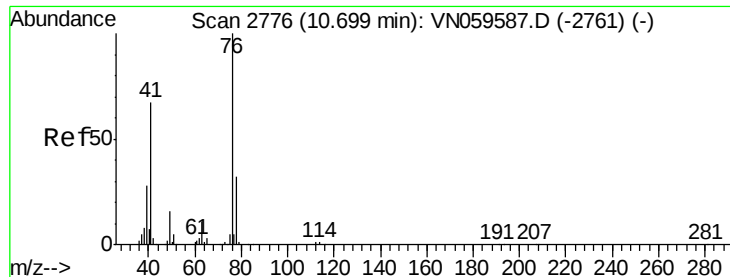


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





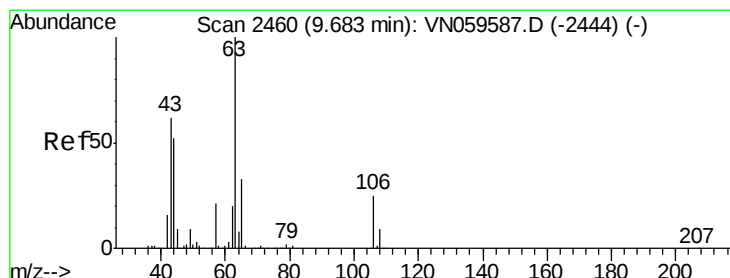
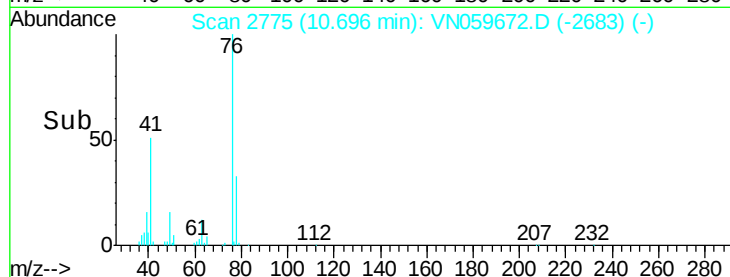
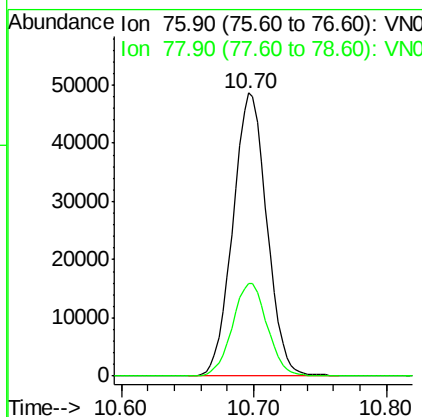
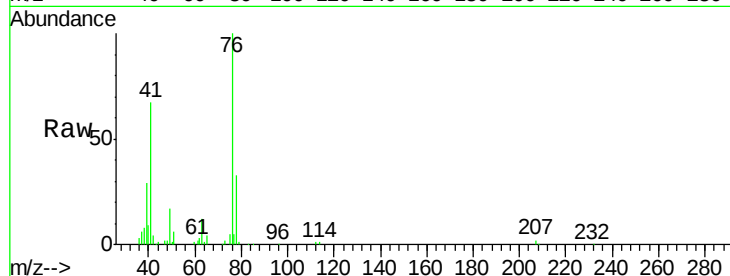
#57
 1,3-Dichloropropane
 Concen: 21.522 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion: 76 Resp: 86502
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.8 38.8

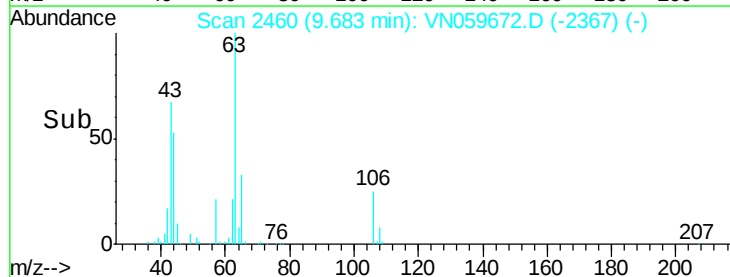
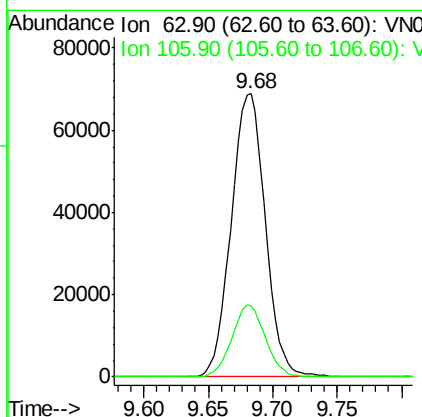
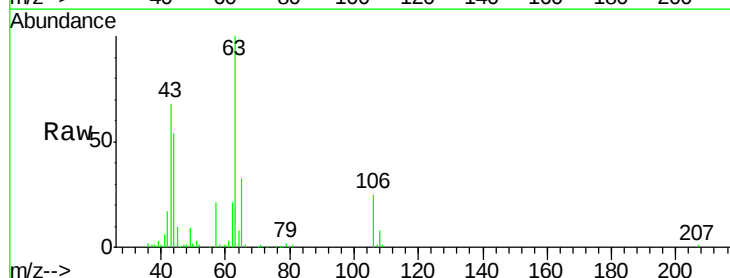
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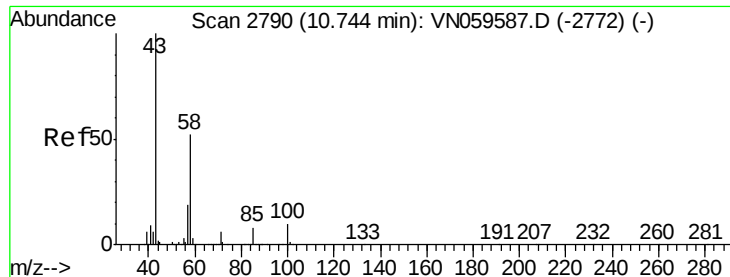
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 116.109 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion: 63 Resp: 126547
 Ion Ratio Lower Upper
 63 100
 106 24.7 20.2 30.2





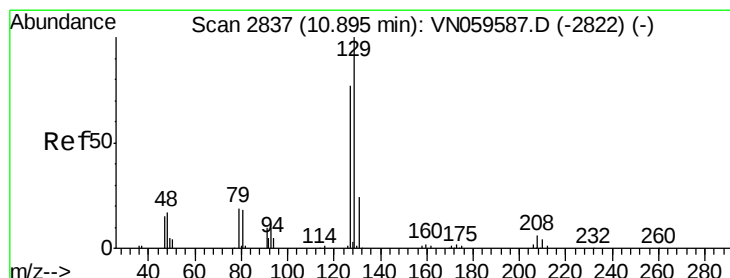
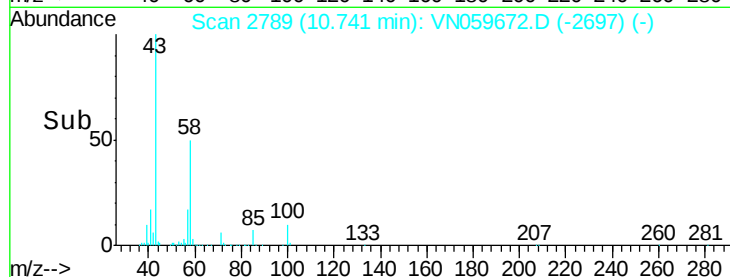
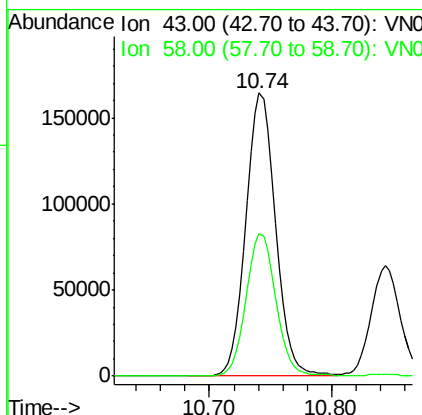
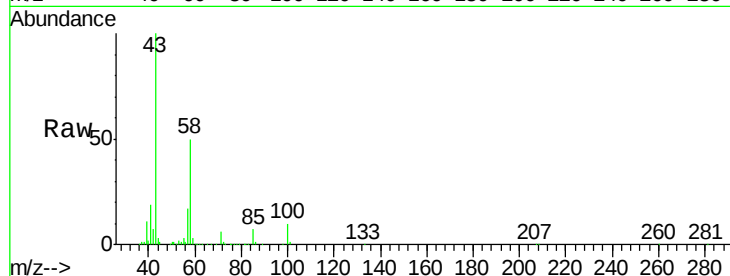
#59
2-Hexanone
Concen: 98.743 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion: 43 Resp: 274690
Ion Ratio Lower Upper
43 100
58 50.6 25.8 77.3

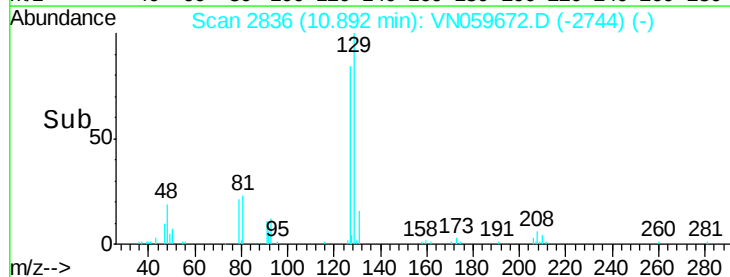
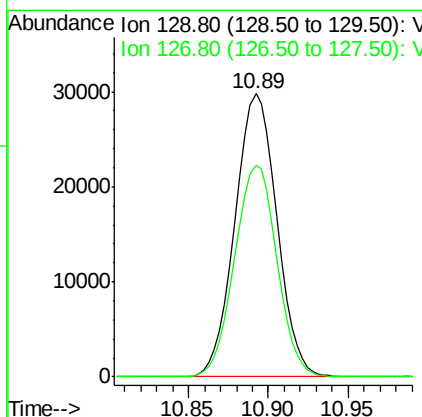
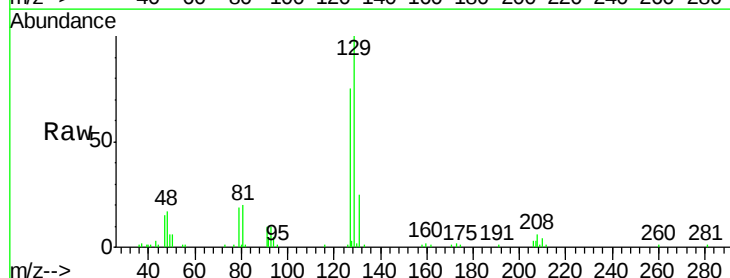
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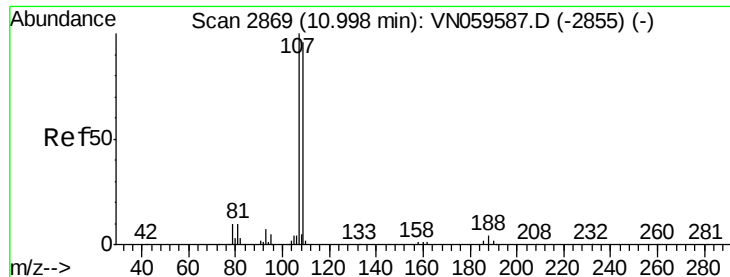
apatel
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#60
Dibromochloromethane
Concen: 21.134 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion: 129 Resp: 53246
Ion Ratio Lower Upper
129 100
127 75.3 38.5 115.5





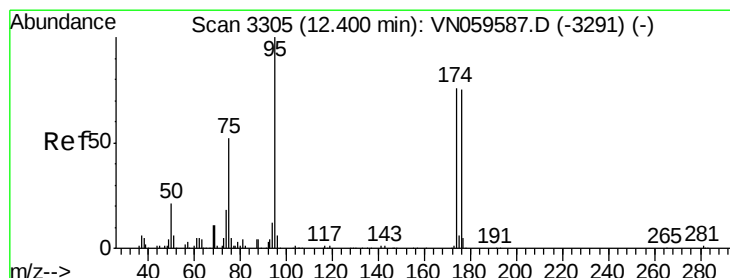
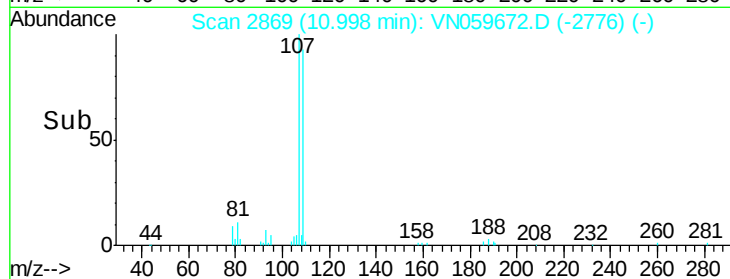
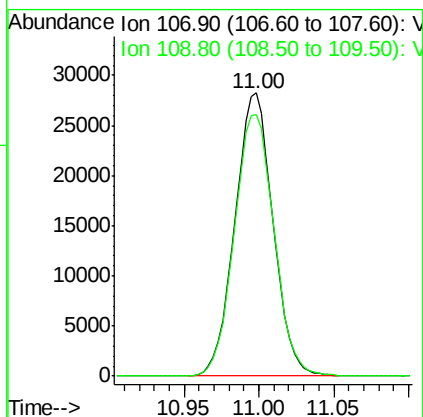
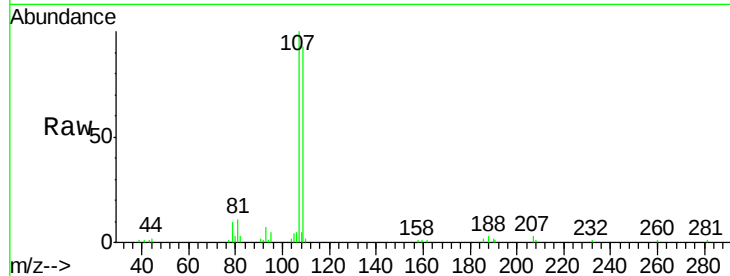
#61
 1,2-Dibromoethane
 Concen: 20.420 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	76.6	115.0

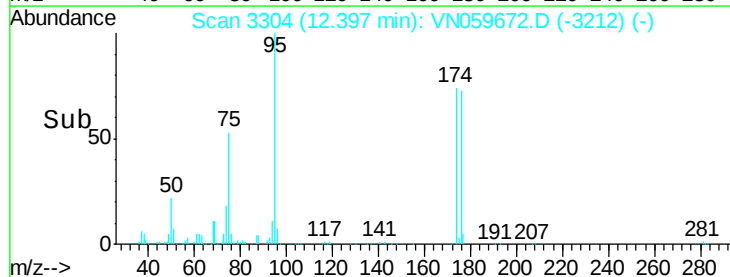
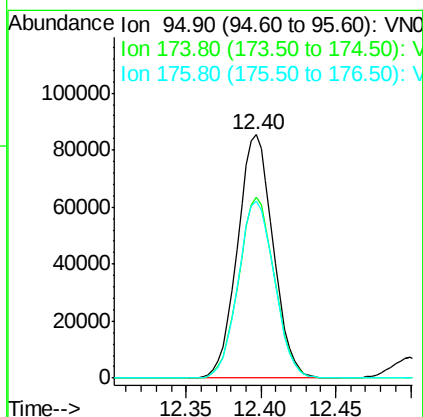
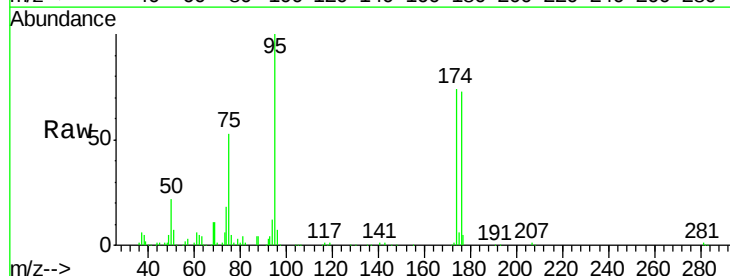
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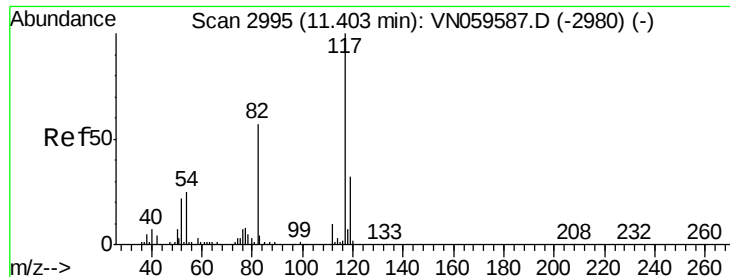
apatel
 12/20/2019 9:20:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.787 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	151.4
176	74.0	0.0	146.0





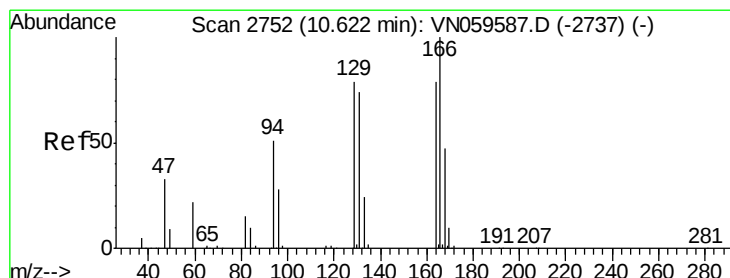
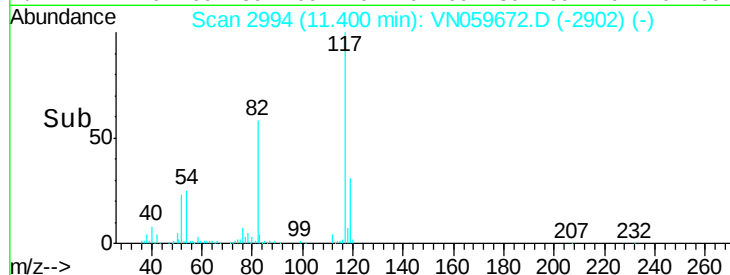
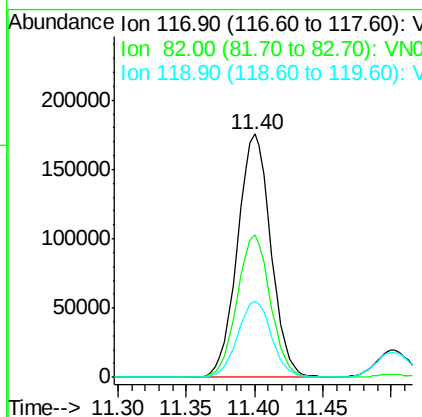
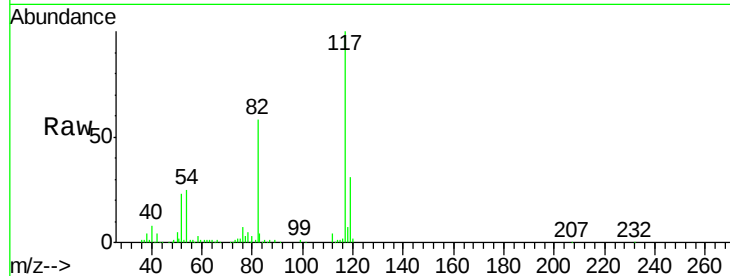
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	298481		
82	58.4		45.9	68.9
119	31.4		25.5	38.3

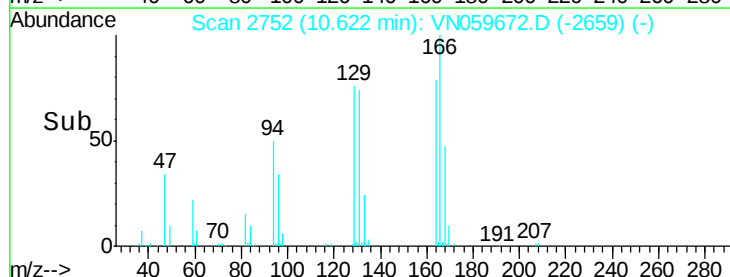
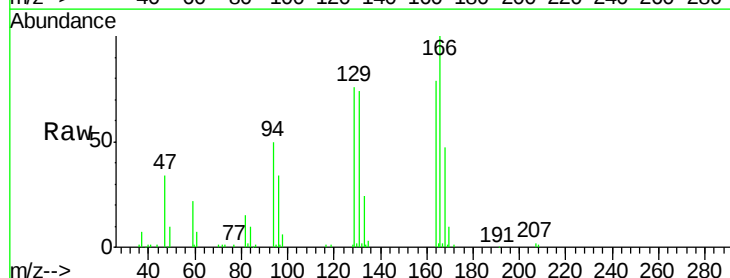
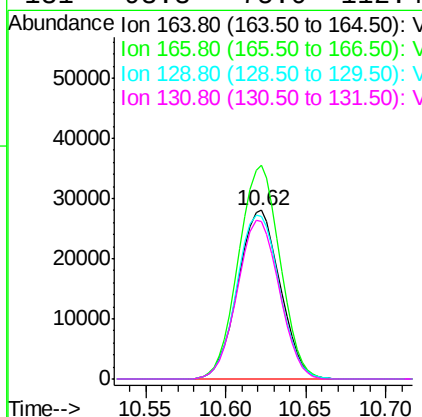
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#64
Tetrachloroethene
Concen: 18.137 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50465		
166	126.7		101.4	152.0
129	96.2		80.2	120.4
131	93.3		75.0	112.4





#65

Chlorobenzene

Concen: 19.959 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:112 Resp: 128904

Ion Ratio Lower Upper

112 100

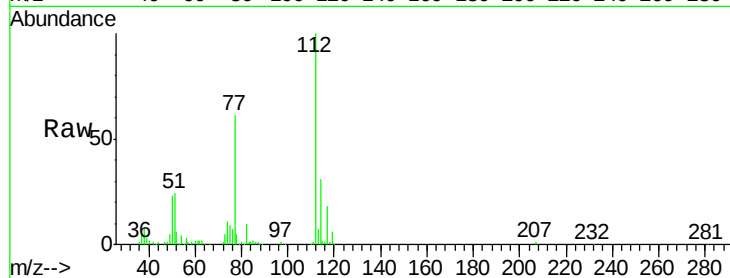
114 31.3 25.8 38.8

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

80000

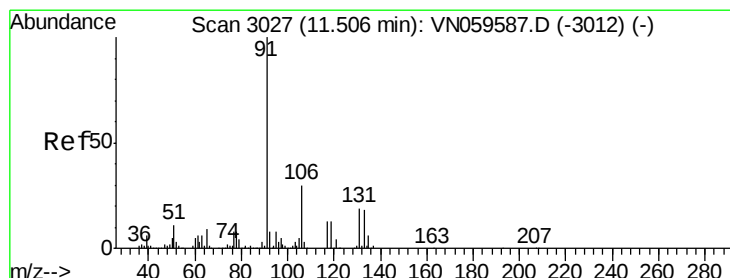
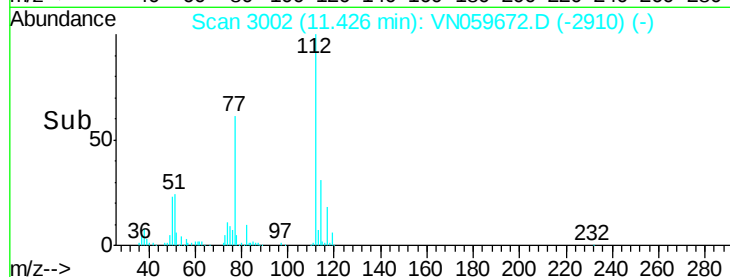
60000

40000

20000

0

Time--> 11.35 11.40 11.45 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 20.420 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

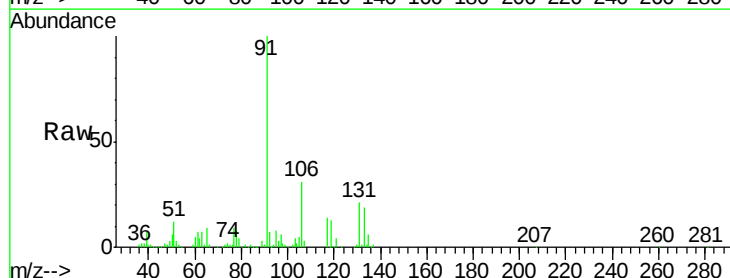
Tgt Ion:131 Resp: 50094

Ion Ratio Lower Upper

131 100

133 94.9 47.4 142.2

119 64.4 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

40000

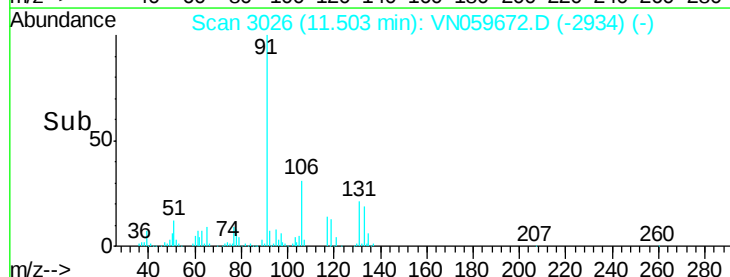
30000

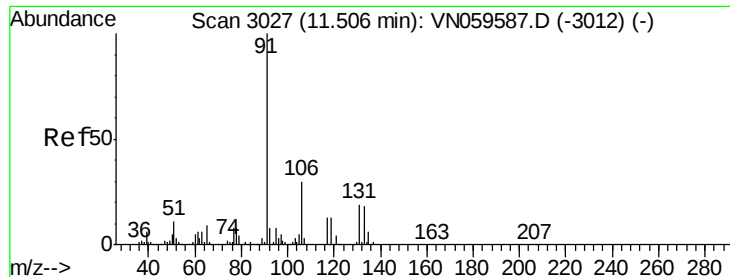
20000

10000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 19.820 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 91 Resp: 231055

Ion Ratio Lower Upper

91 100

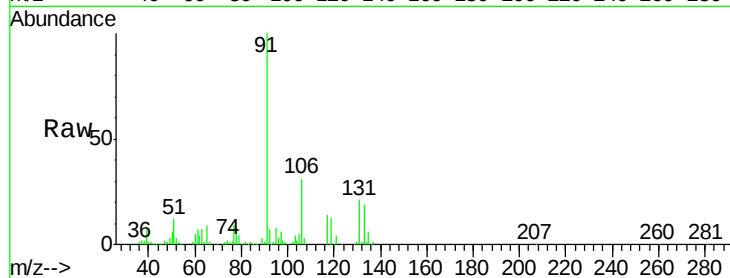
106 30.6 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

200000

150000

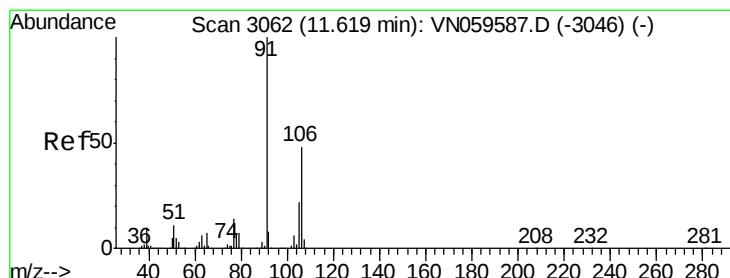
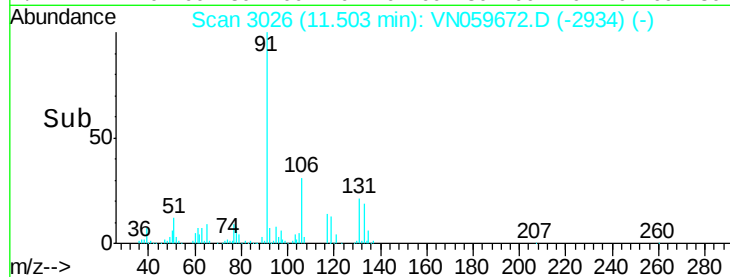
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 39.527 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059672.D

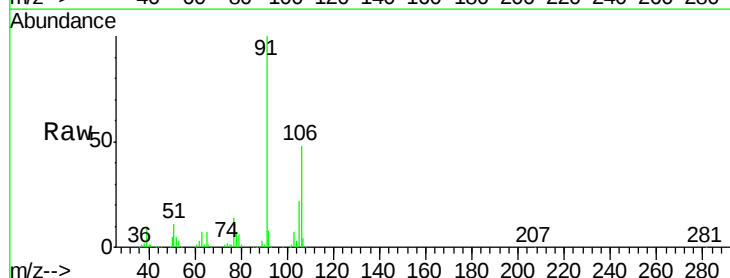
Acq: 19 Dec 2019 15:49

Tgt Ion: 106 Resp: 170155

Ion Ratio Lower Upper

106 100

91 210.4 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

200000

150000

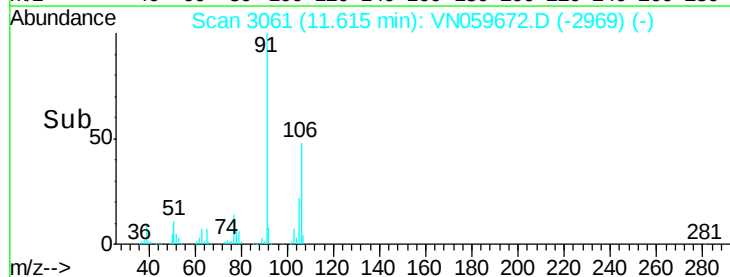
100000

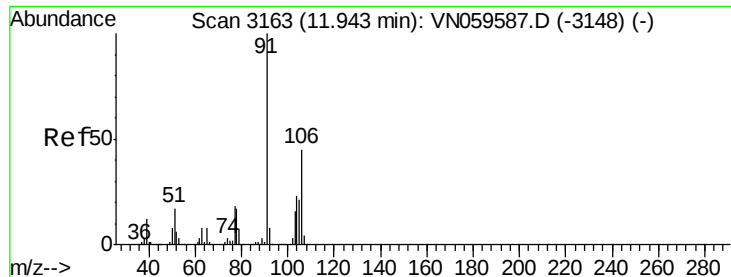
50000

0

11.60 11.62 11.70

Time-->





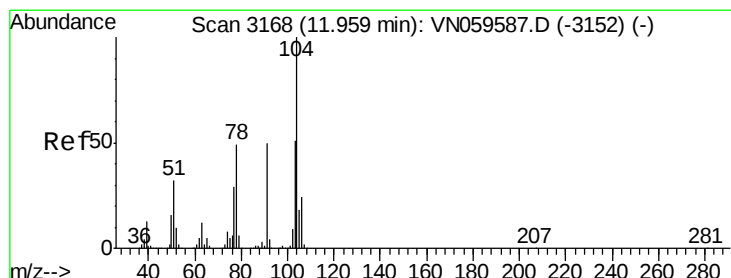
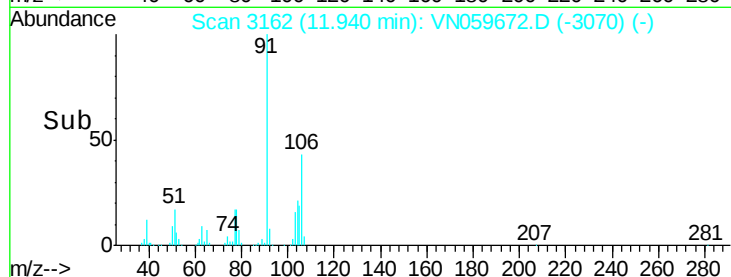
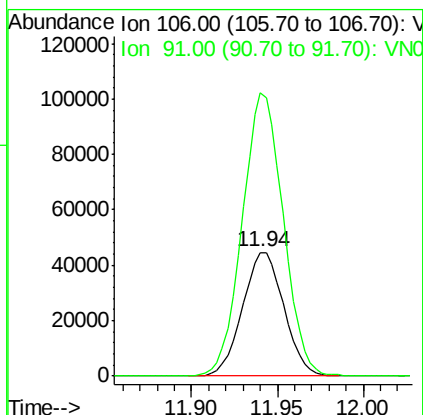
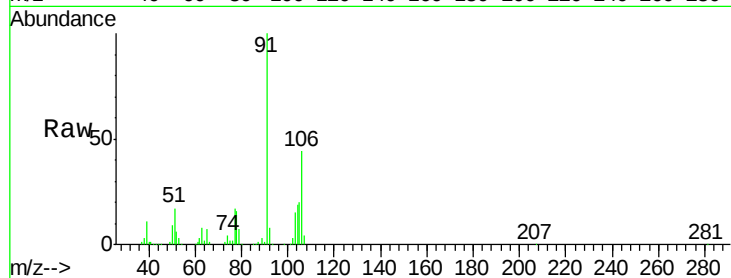
#69
o-Xylene
Concen: 18.234 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion:106 Resp: 74689
Ion Ratio Lower Upper
106 100
91 226.5 110.3 330.9

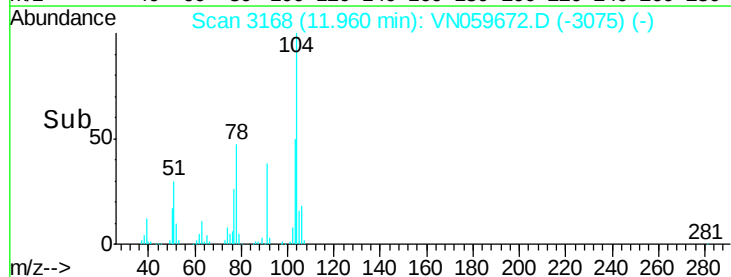
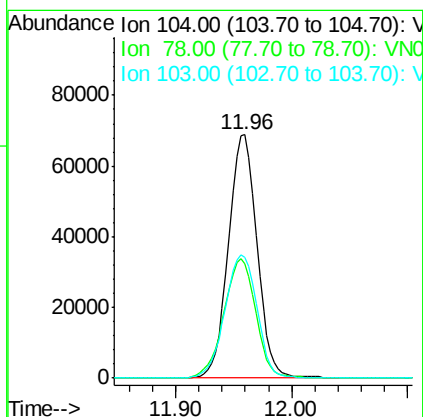
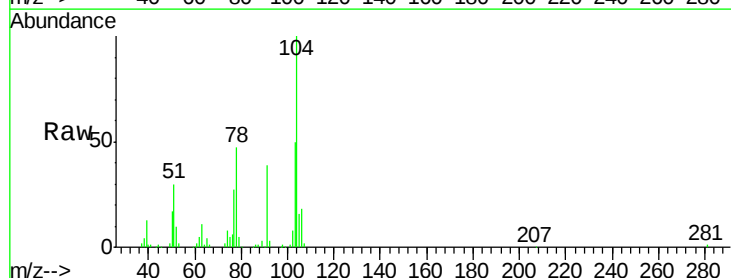
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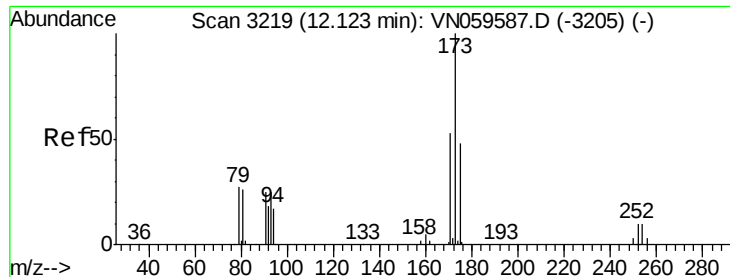
apatel
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#70
Styrene
Concen: 17.850 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion:104 Resp: 117473
Ion Ratio Lower Upper
104 100
78 54.6 42.4 63.6
103 56.9 43.9 65.9





#71

Bromoform

Concen: 18.784 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:173 Resp: 34638

Ion Ratio Lower Upper

173 100

175 49.1 23.8 71.4

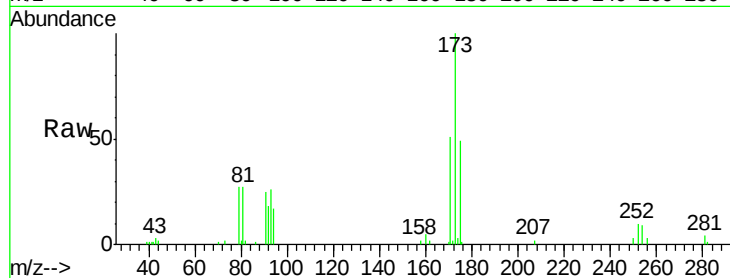
254 0.0 0.0 0.0

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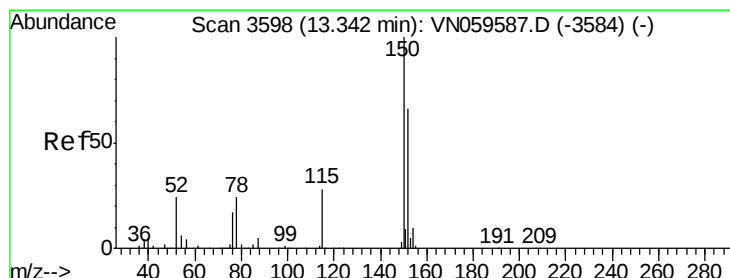
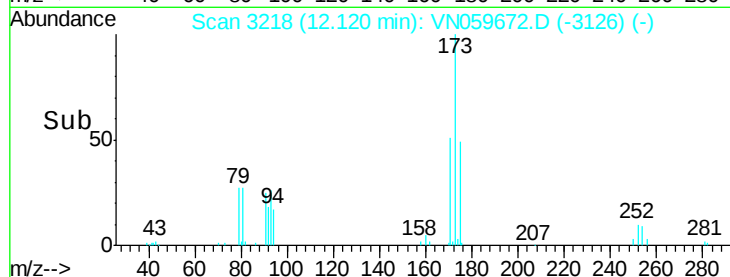
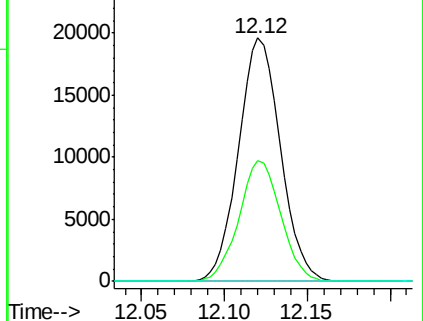
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

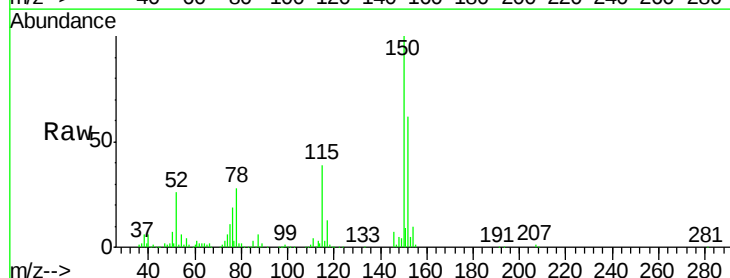
Tgt Ion:152 Resp: 136524

Ion Ratio Lower Upper

152 100

115 61.0 30.3 90.9

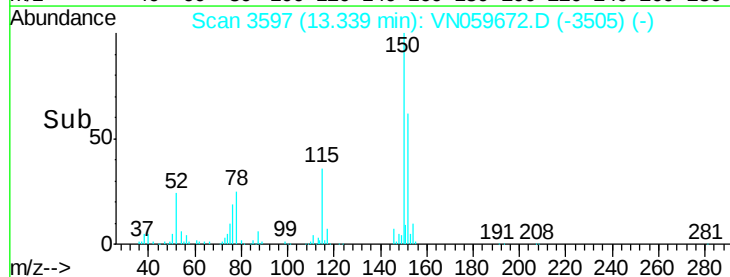
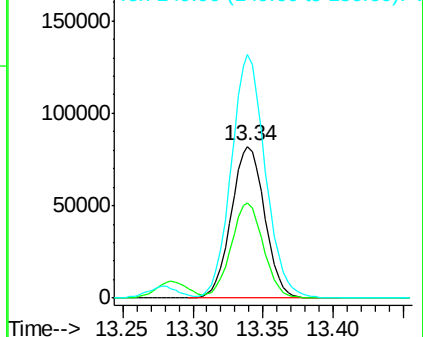
150 162.6 0.0 345.2

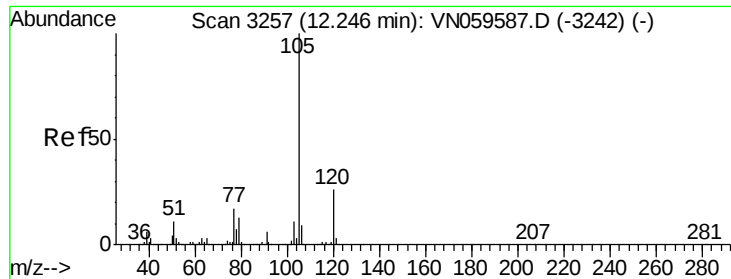


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.496 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 105 Resp: 219662

Ion Ratio Lower Upper

105 100

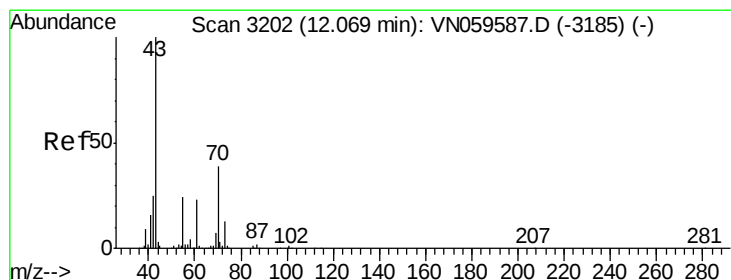
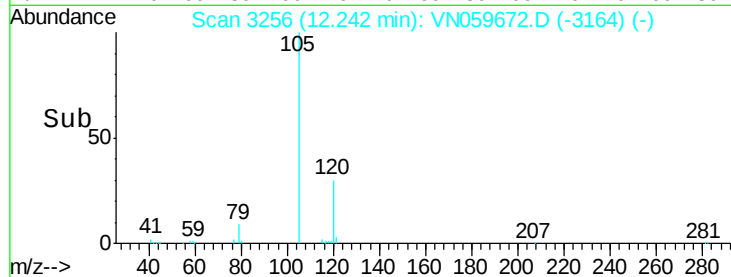
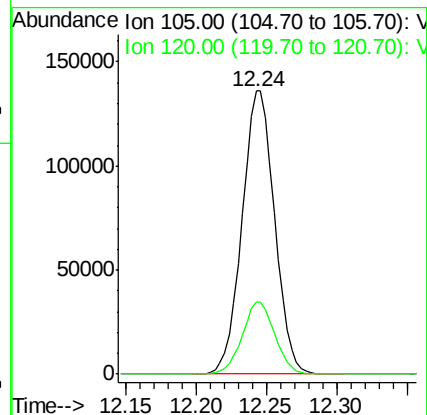
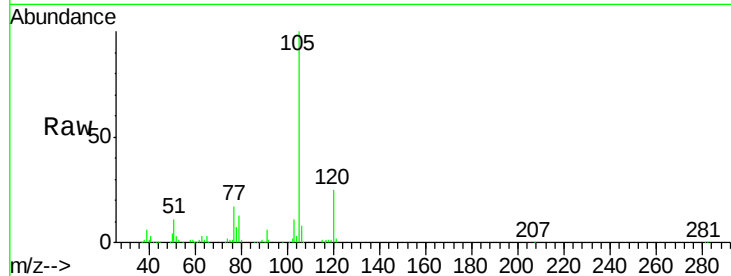
120 25.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 18.506 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion: 43 Resp: 90977

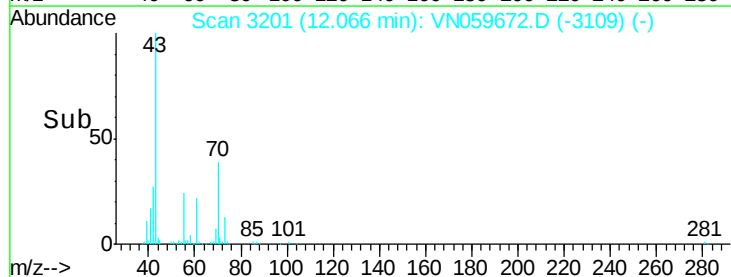
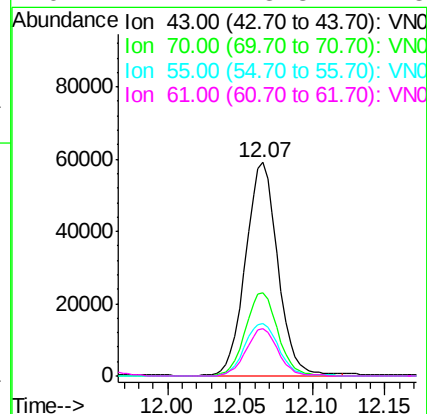
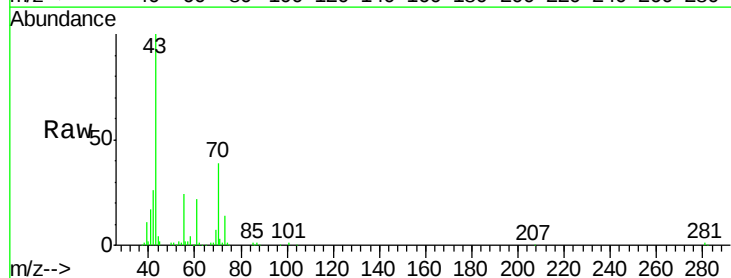
Ion Ratio Lower Upper

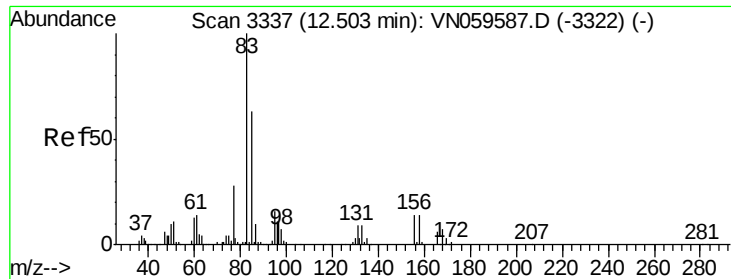
43 100

70 39.7 31.3 46.9

55 26.3 19.8 29.6

61 22.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.343 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

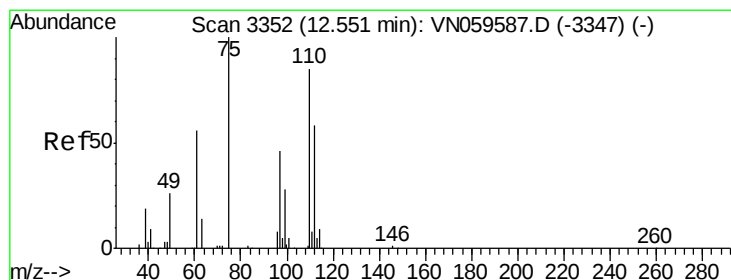
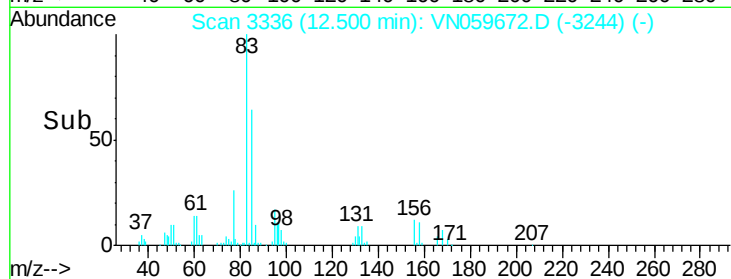
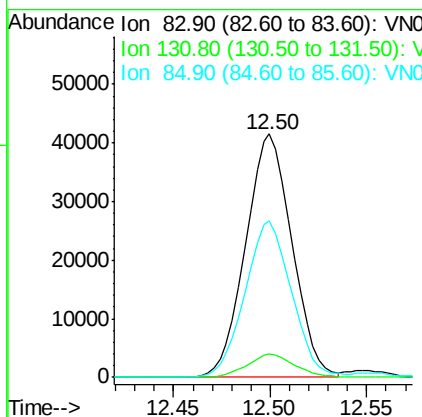
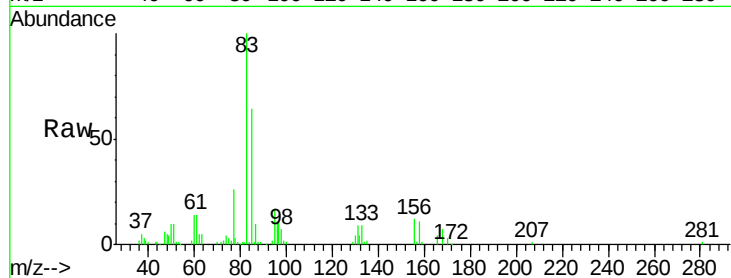
ClientSampleId :

VN1219WBSD01

Tot Ion:	83	Resp:	69159
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	64.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 20.706 ug/l m

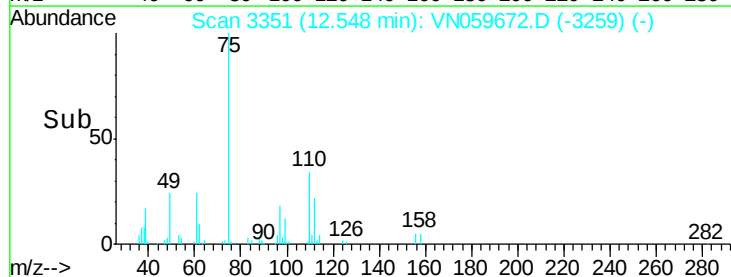
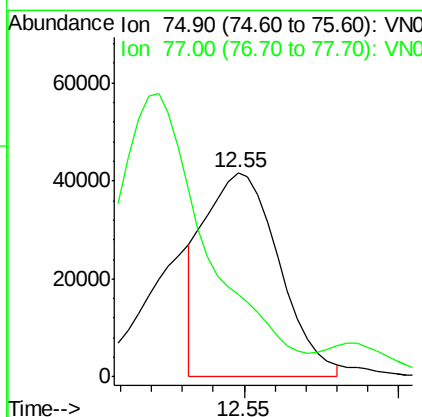
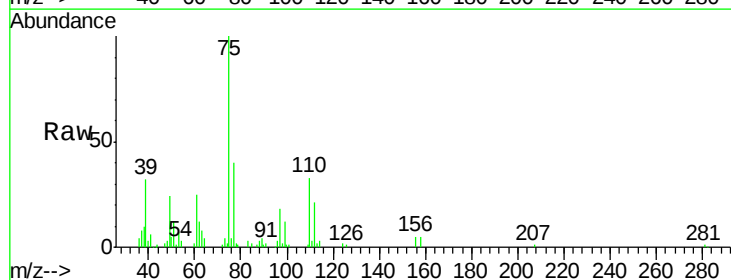
RT: 12.55 min Scan# 3351

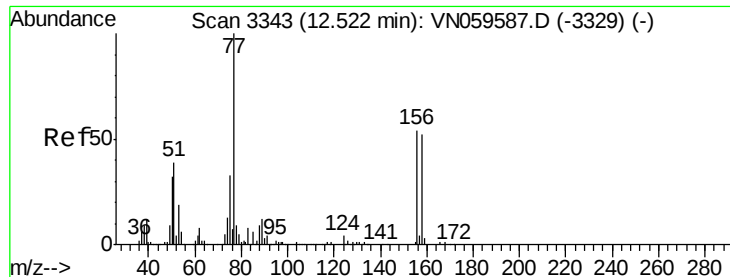
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	75	Resp:	69982
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





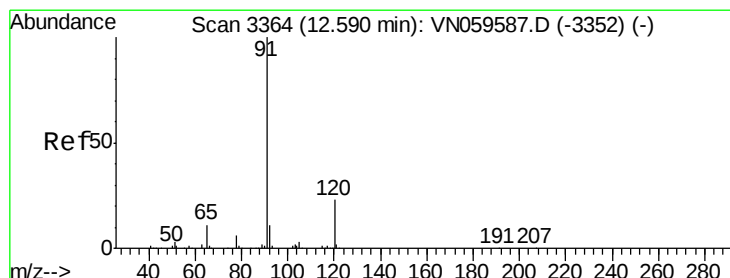
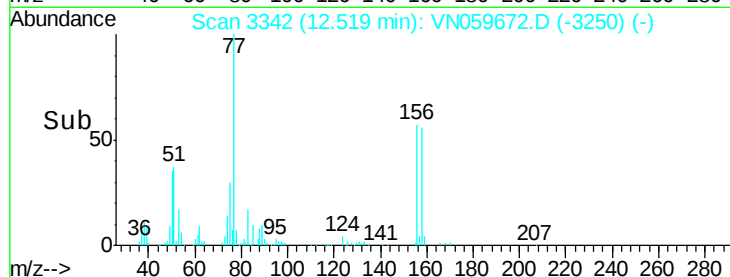
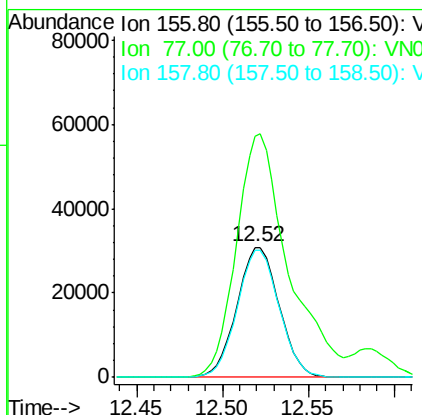
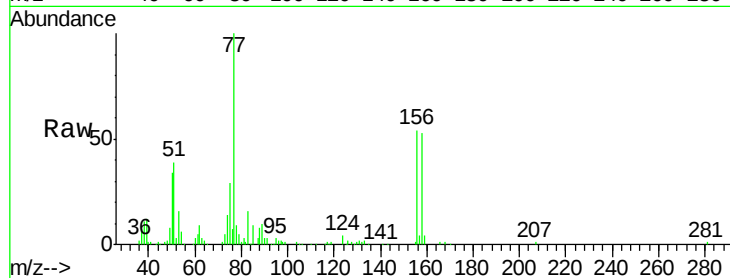
#77
Bromobenzene
Concen: 19.960 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.0	115.8	347.4
158	97.2	49.2	147.6

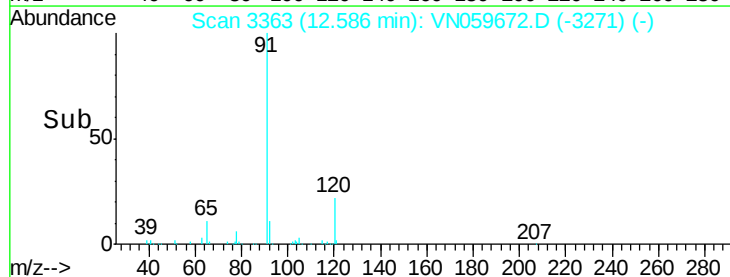
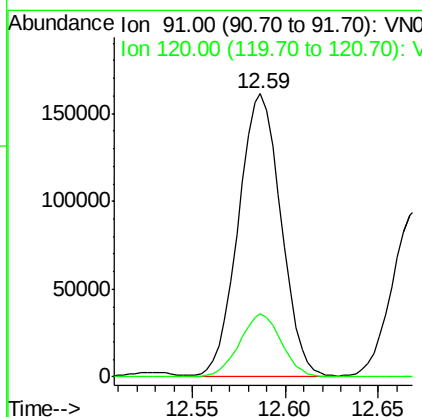
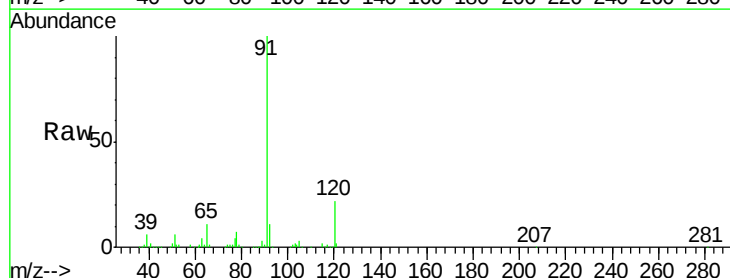
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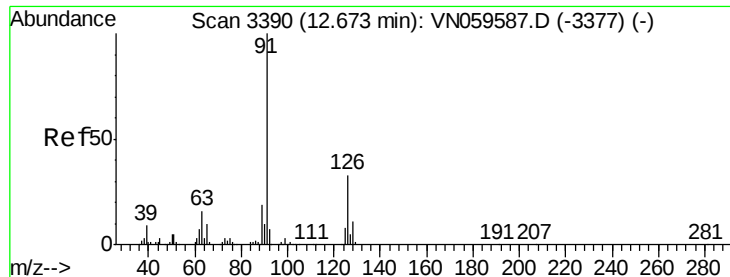
apatel
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#78
n-propylbenzene
Concen: 20.158 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.227 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion: 91 Resp: 154947

Ion Ratio Lower Upper

91 100

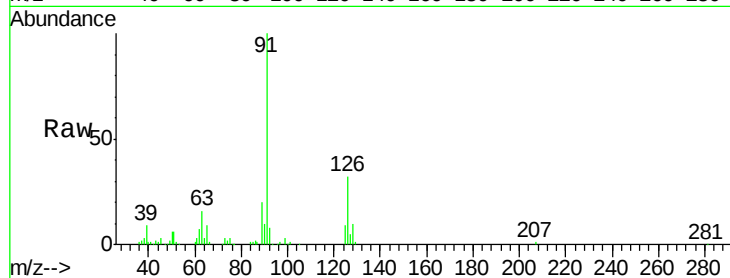
126 32.0 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

150000

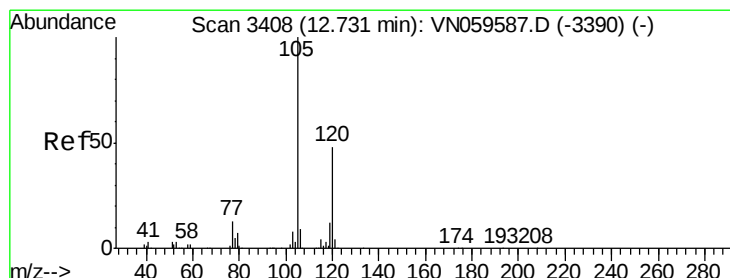
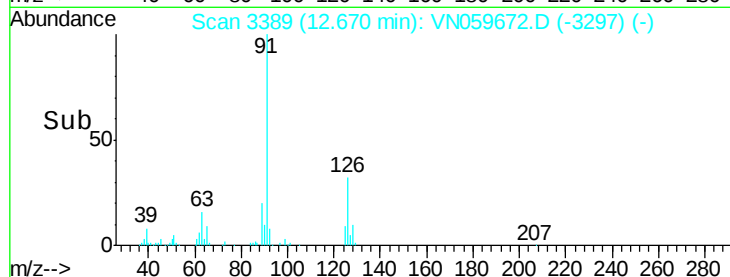
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.138 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059672.D

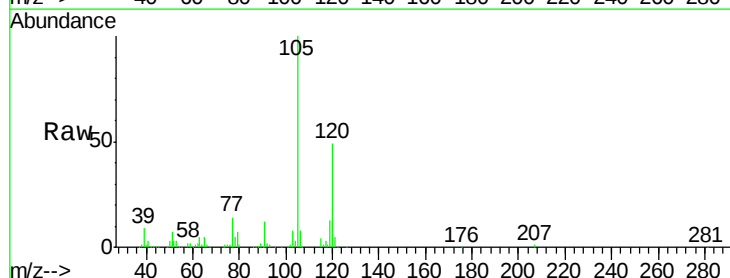
Acq: 19 Dec 2019 15:49

Tgt Ion: 105 Resp: 182637

Ion Ratio Lower Upper

105 100

120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

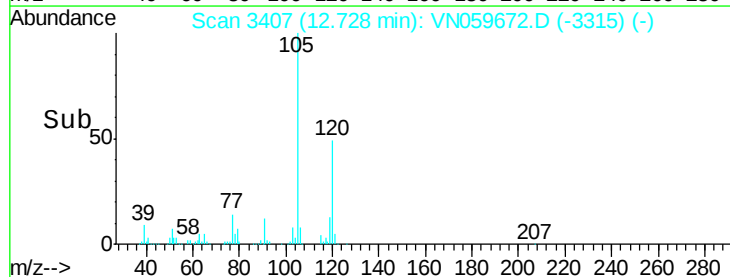
100000

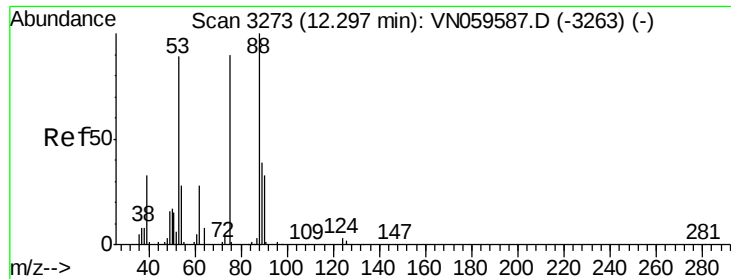
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.017 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

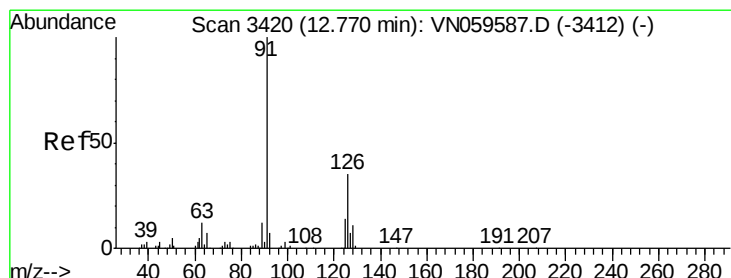
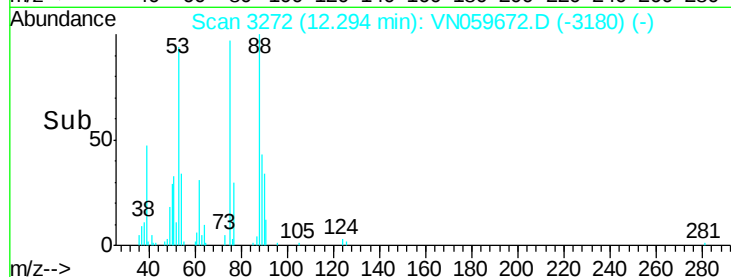
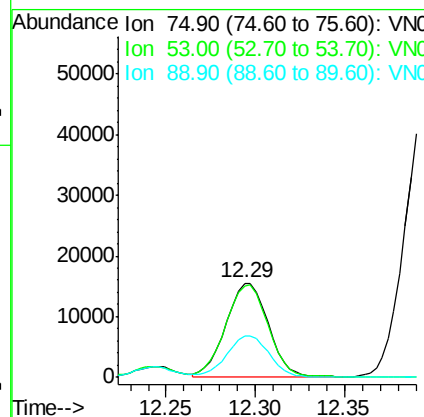
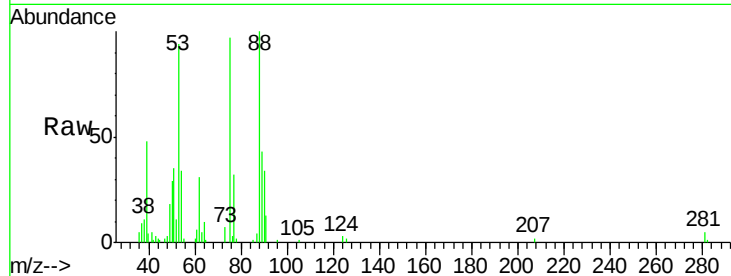
ClientSampleId :

VN1219WBSD01

Tot Ion:	75	Resp:	26022
Ion Ratio	Lower	Upper	
75	100		
53	98.8	78.1	117.1
89	43.7	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.018 ug/l

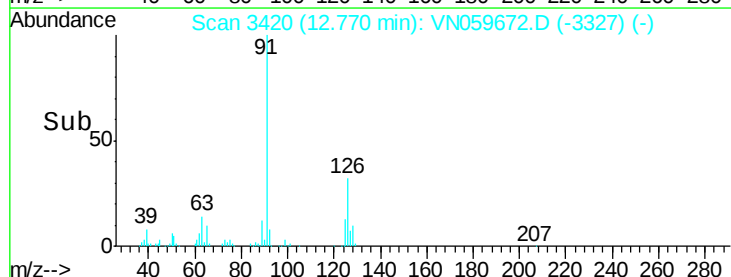
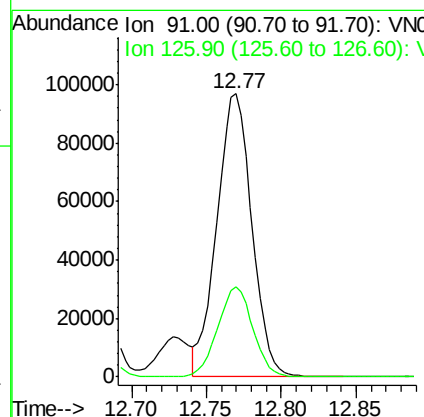
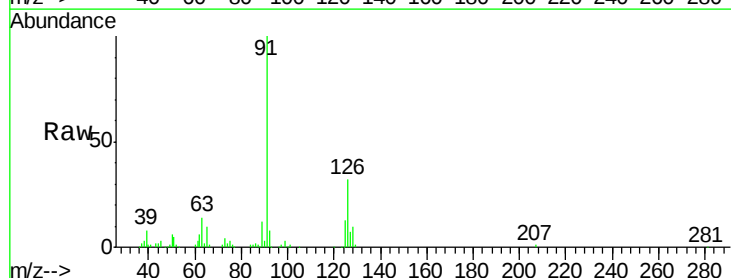
RT: 12.77 min Scan# 3420

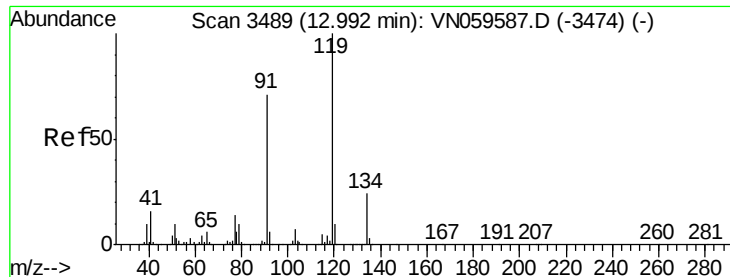
Delta R.T. 0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	91	Resp:	157010
Ion Ratio	Lower	Upper	
91	100		
126	32.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 19.861 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

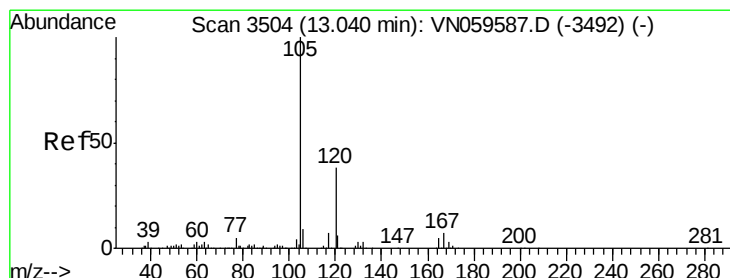
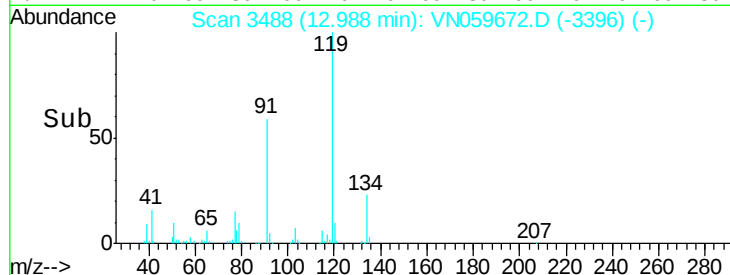
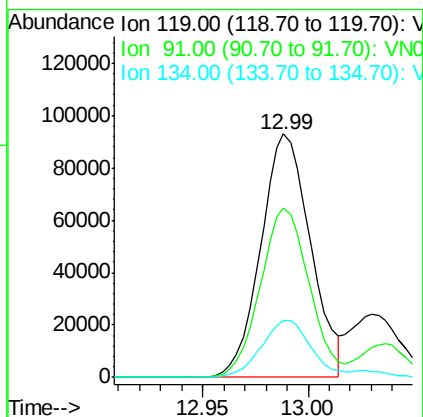
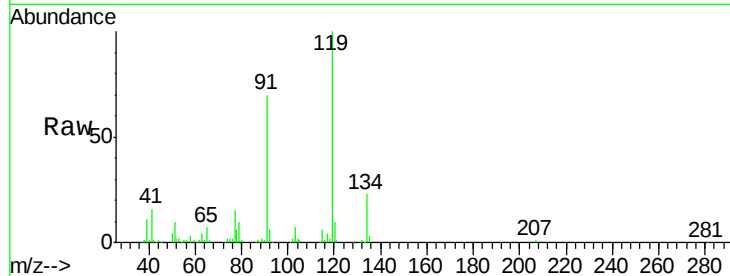
ClientSampleId :

VN1219WBSD01

Tot Ion:	119	Resp:	152547
Ion Ratio	Lower	Upper	
119	100		
91	68.4	34.8	104.4
134	23.2	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 20.514 ug/l

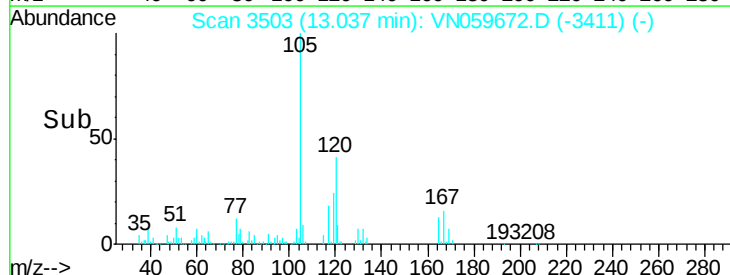
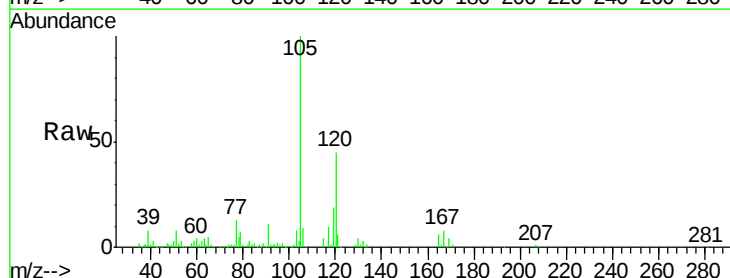
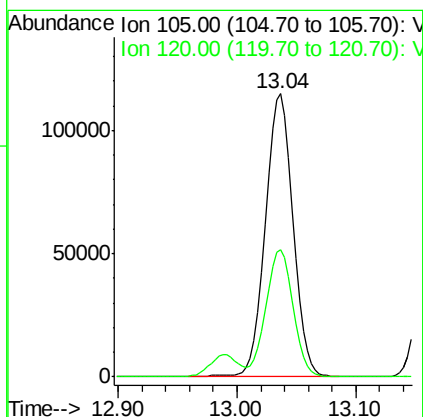
RT: 13.04 min Scan# 3503

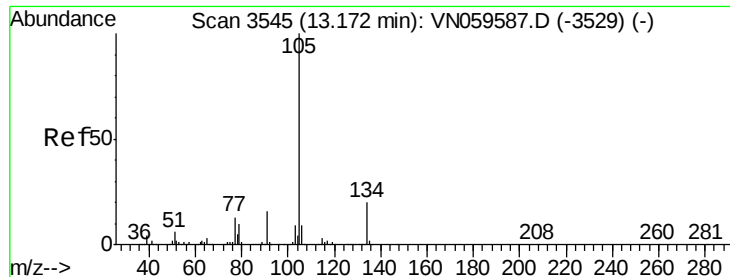
Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Tgt Ion:	105	Resp:	185000
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.096 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

Instrument :

MSVOA_N

ClientSampleId :

VN1219WBSD01

Tot Ion:105 Resp: 205313

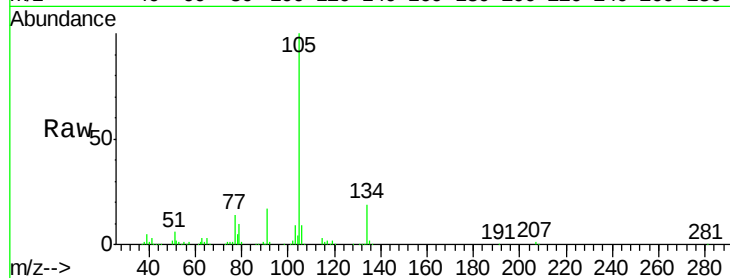
Ion Ratio Lower Upper

105 100

134 19.1 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

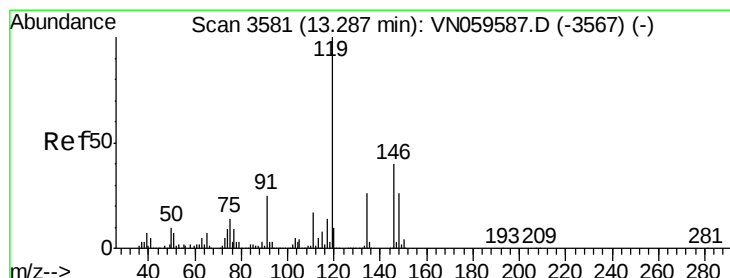
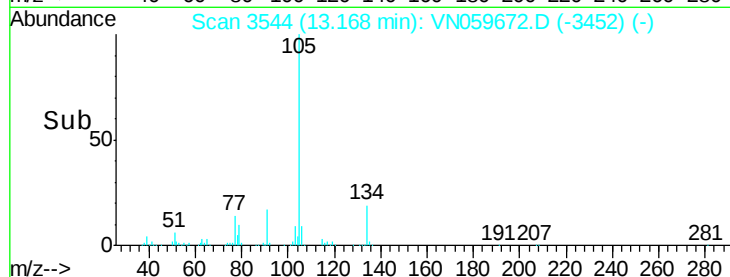
100000

50000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 20.071 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059672.D

Acq: 19 Dec 2019 15:49

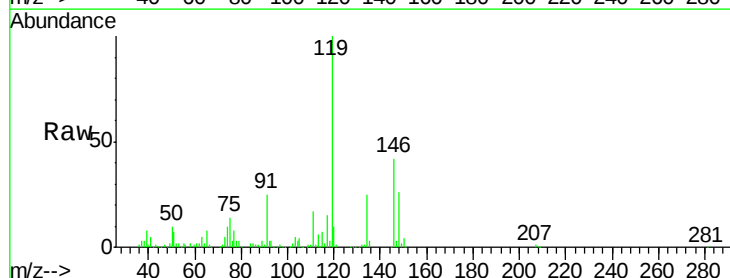
Tgt Ion:119 Resp: 185726

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.6 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

150000

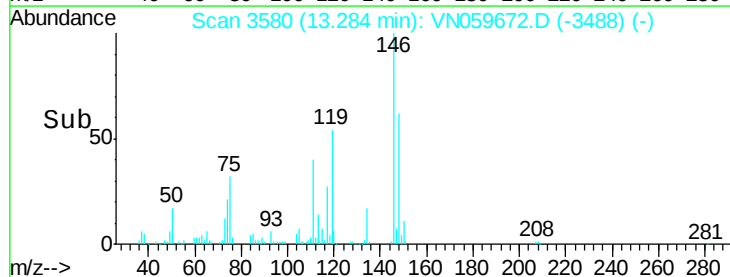
100000

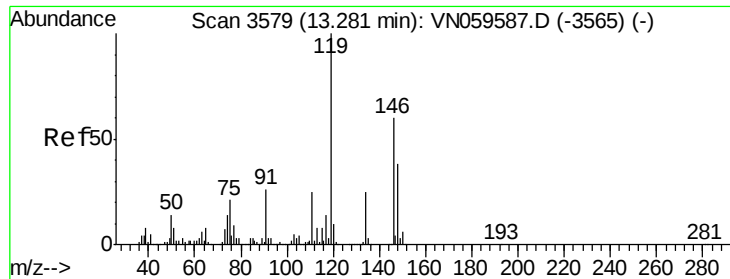
50000

0

13.20 13.25 13.30 13.35

Time-->





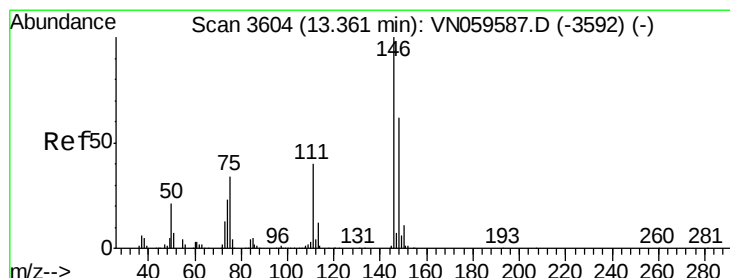
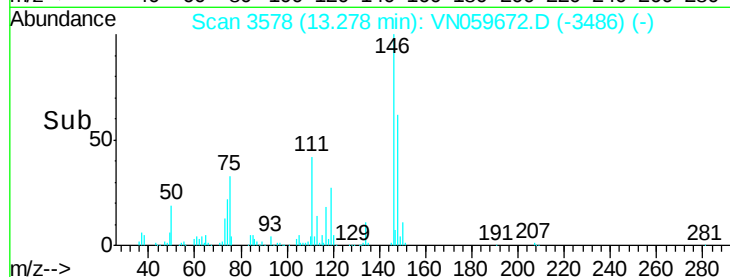
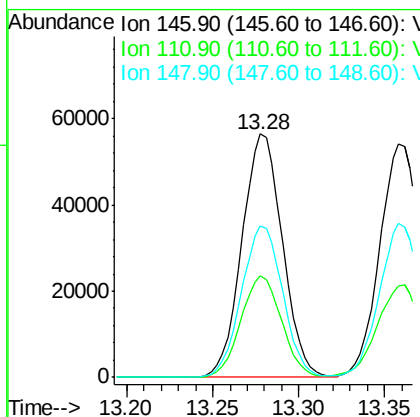
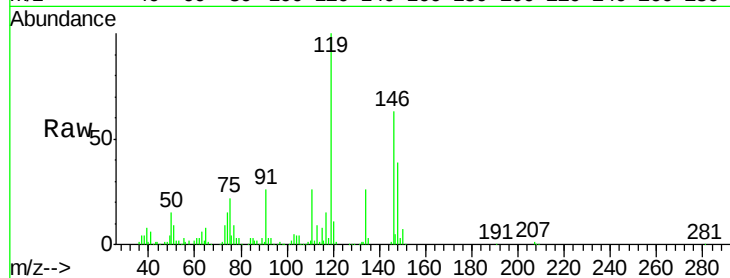
#87
 1,3-Dichlorobenzene
 Concen: 19.103 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.2
148	63.2	32.0	96.0

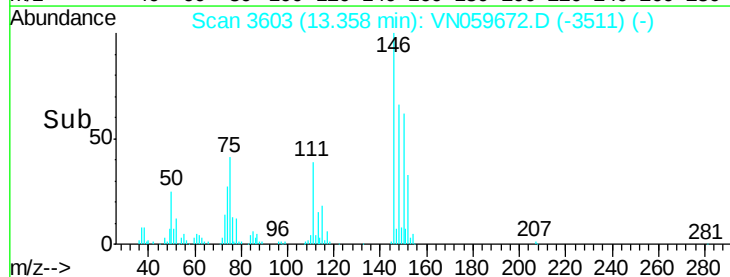
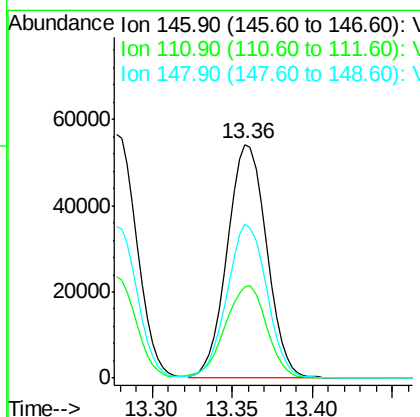
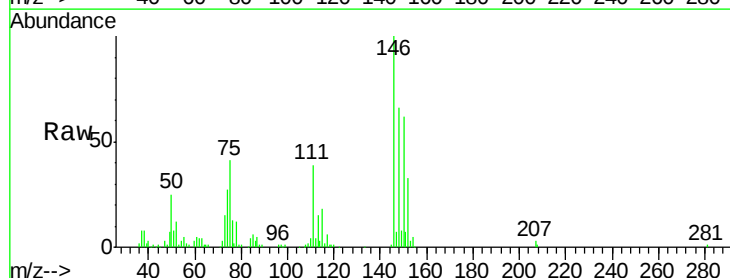
Manual Integrations
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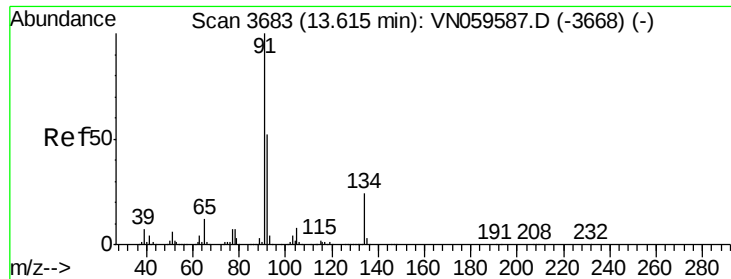
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#88
 1,4-Dichlorobenzene
 Concen: 18.511 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	67.1	31.8	95.4





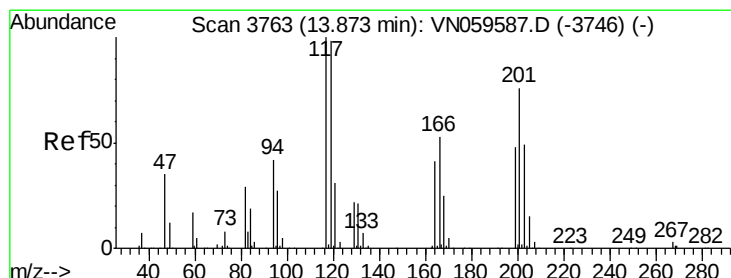
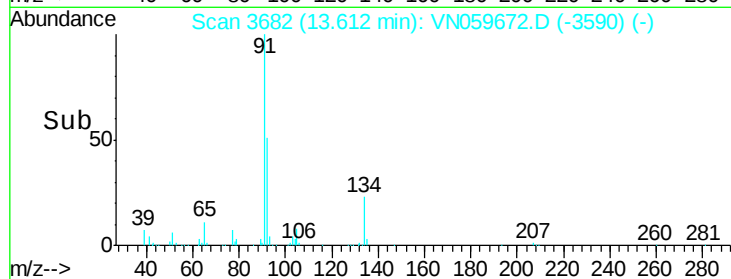
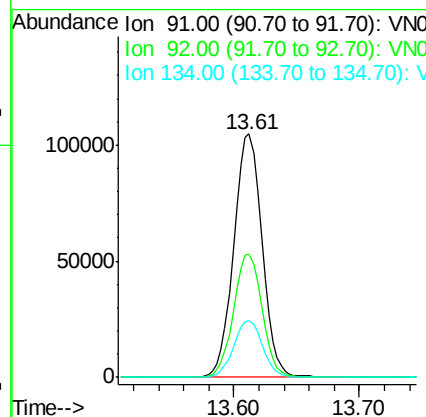
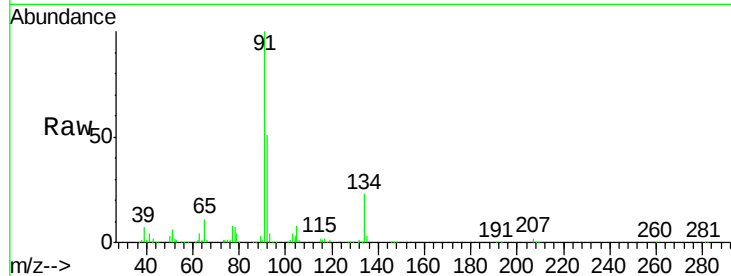
#89
n-Butylbenzene
Concen: 18.971 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.7
134	23.7	12.3	36.8

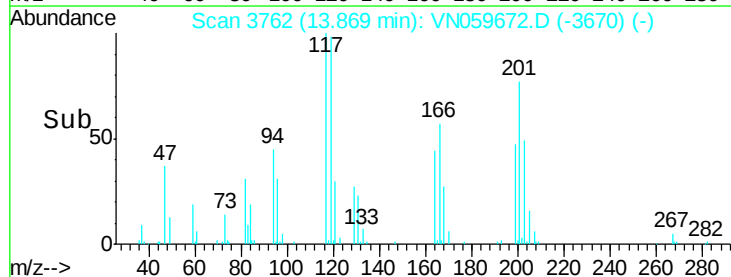
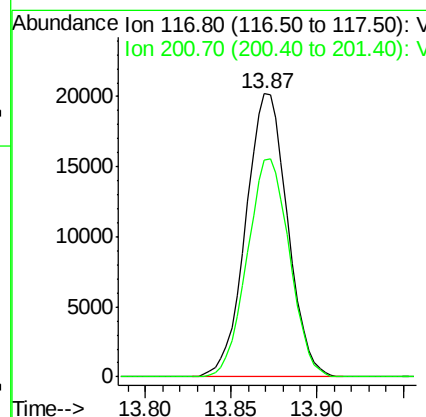
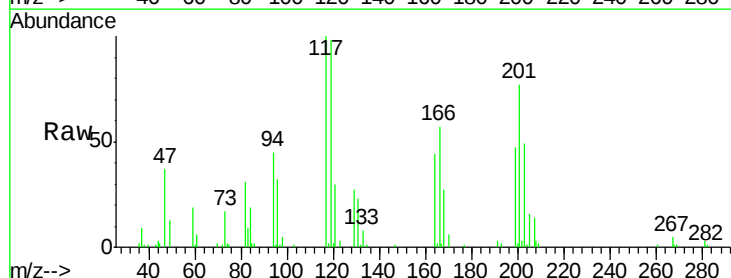
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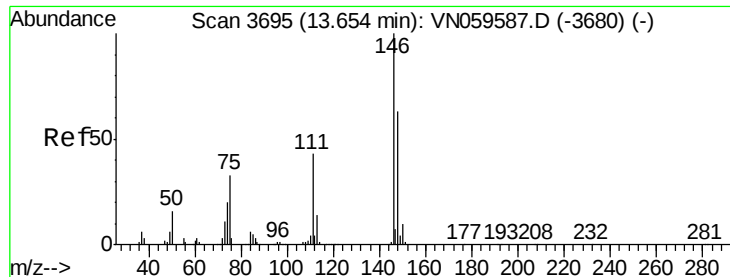
apatel
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#90
Hexachloroethane
Concen: 19.490 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	37.8	113.4





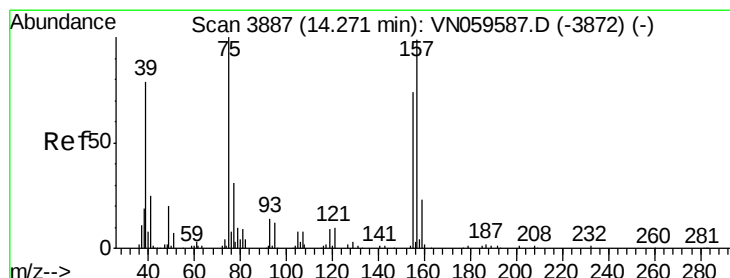
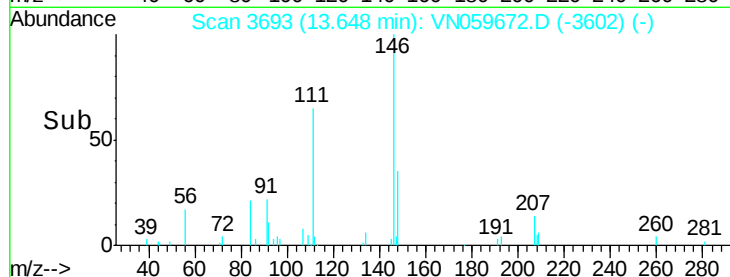
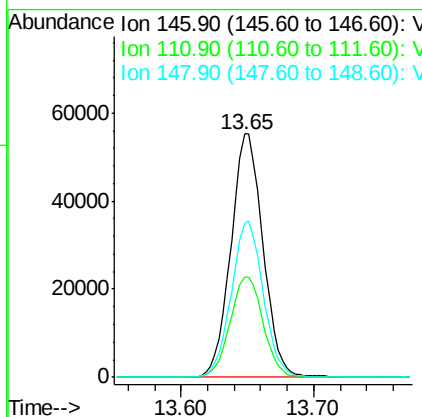
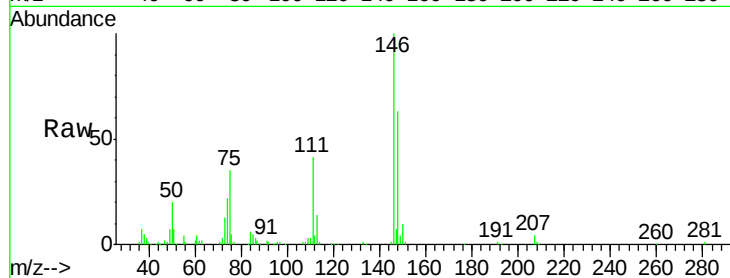
#91
 1,2-Dichlorobenzene
 Concen: 19.472 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	63.8	31.6	95.0

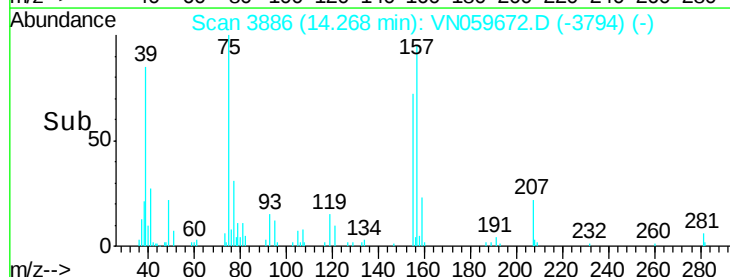
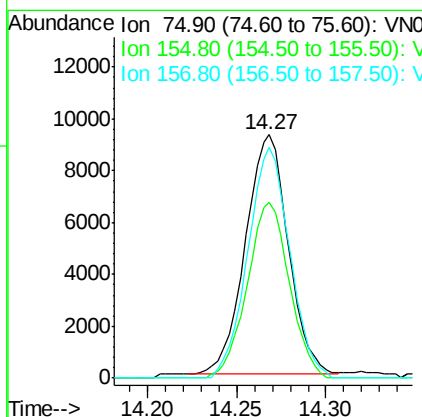
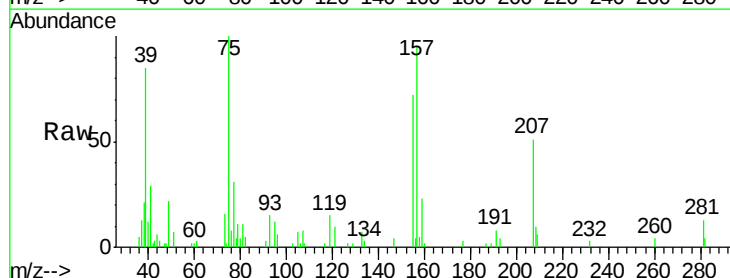
Manual Integrations
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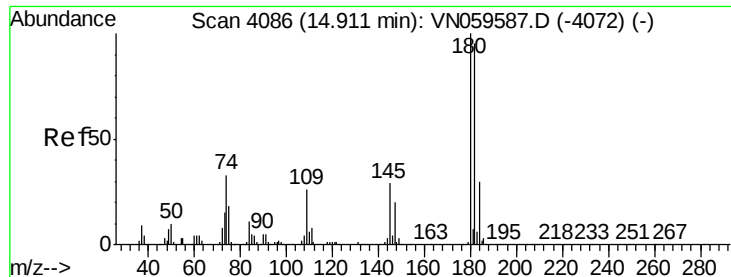
apatel
 12/20/2019 9:20:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.356 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.2	37.0	110.9
157	94.4	48.4	145.2





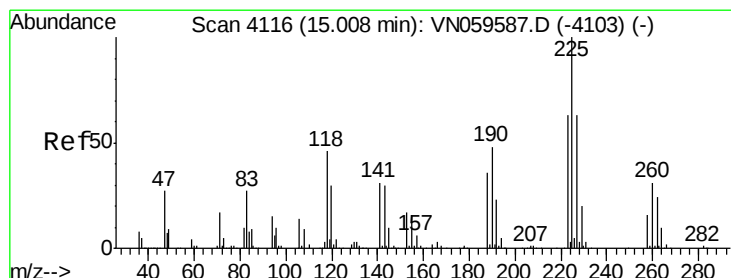
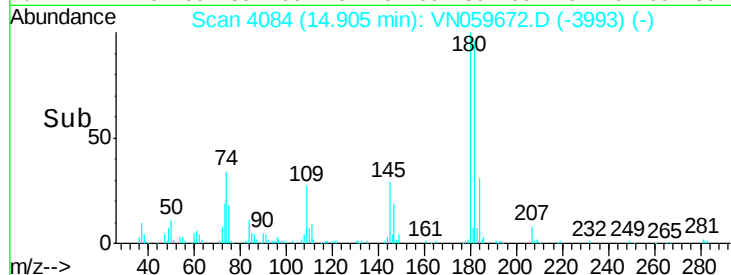
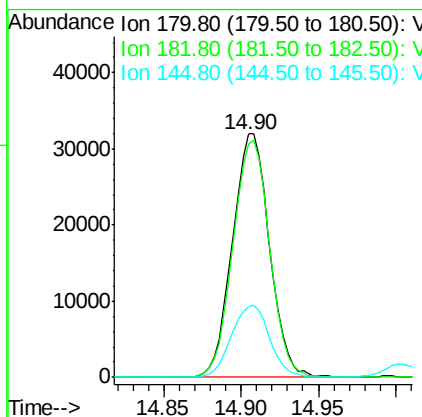
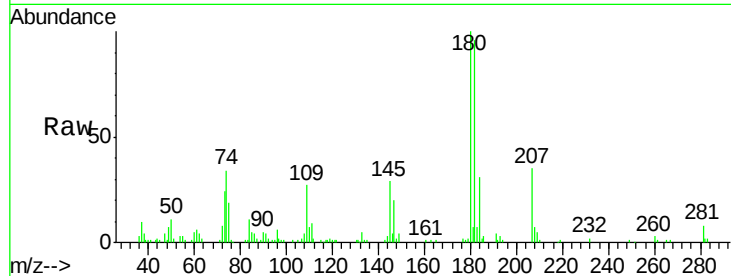
#93
 1,2,4-Trichlorobenzene
 Concen: 17.184 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.7
145	30.4	15.0	45.1

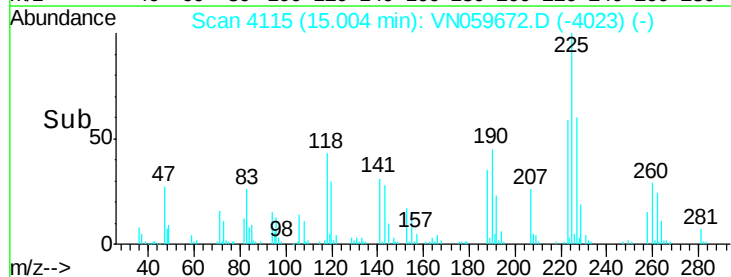
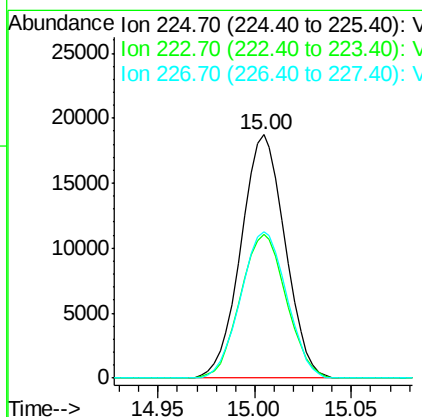
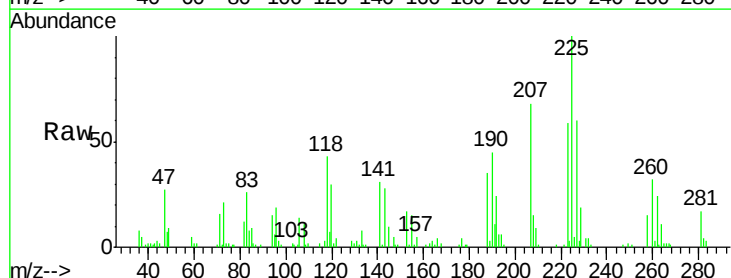
Manual Integrations
 APPROVED

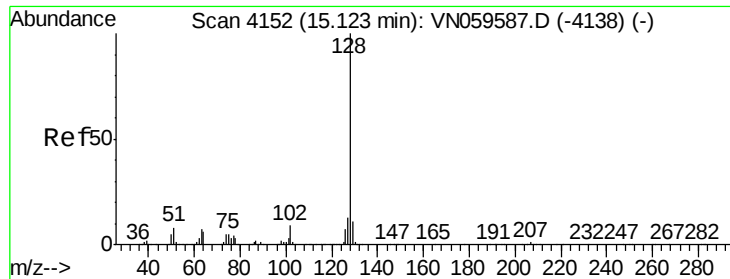
apatel
 12/20/2019 9:20:45 AM



#94
 Hexachlorobutadiene
 Concen: 18.805 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059672.D
 Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.8	95.3
227	62.6	32.1	96.5





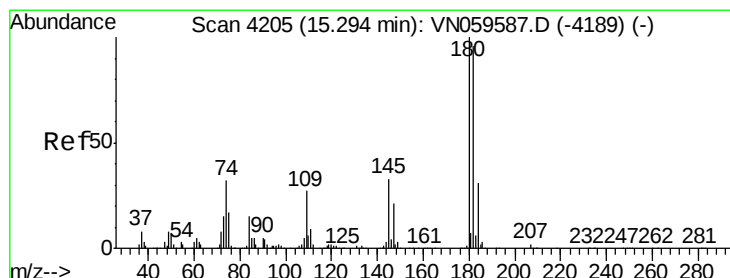
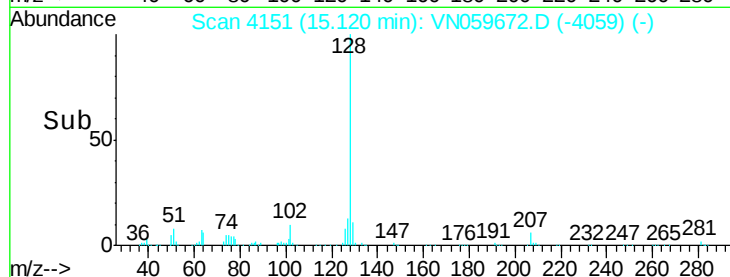
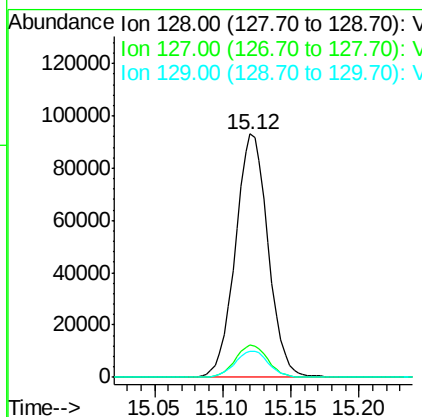
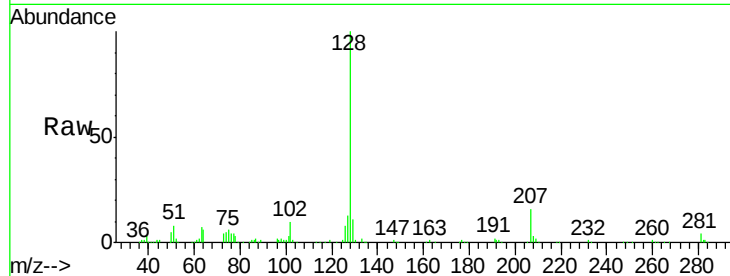
#95
Naphthalene
Concen: 16.799 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Instrument :
MSVOA_N
ClientSampleId :
VN1219WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

apatel
12/20/2019 9:20:45 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.580 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059672.D
Acq: 19 Dec 2019 15:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.4	142.3
145	32.1	16.3	48.9

