

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121719\
 Data File : VN059623.D
 Acq On : 17 Dec 2019 14:46
 Operator : JC/SP
 Sample : VN1217WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Manual Integrations
 APPROVED

apatel
 12/18/2019 10:05:08 AM

Quant Time: Dec 18 06:03:26 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	269025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	436134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	401570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	187876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	207228	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	
35) Dibromofluoromethane	7.56	113	142246	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.08	98	554277	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	196674	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79308	22.814	ug/l	99
3) Chloromethane	2.04	50	112760	20.440	ug/l	100
4) Vinyl Chloride	2.17	62	109441	20.920	ug/l	98
5) Bromomethane	2.55	94	60744	19.973	ug/l	98
6) Chloroethane	2.68	64	61877	21.045	ug/l	96
7) Trichlorofluoromethane	2.99	101	124407	21.674	ug/l	98
8) Diethyl Ether	3.38	74	41526	23.155	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	61213	21.162	ug/l	98
10) Methyl Iodide	3.92	142	79512	20.764	ug/l	99
11) Tert butyl alcohol	4.75	59	73573	102.513	ug/l	99
12) 1,1-Dichloroethene	3.71	96	57128	20.246	ug/l	96
13) Acrolein	3.58	56	41417	81.013	ug/l	98
14) Allyl chloride	4.29	41	118948	20.534	ug/l	99
15) Acrylonitrile	4.95	53	193430	111.422	ug/l	100
16) Acetone	3.79	43	205493	88.415	ug/l	99
17) Carbon Disulfide	4.02	76	180831	19.105	ug/l	100
18) Methyl Acetate	4.29	43	106749	21.919	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	227193	22.804	ug/l	99
20) Methylene Chloride	4.52	84	73800	21.986	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	66157	21.031	ug/l	99
22) Diisopropyl ether	5.92	45	248490	23.269	ug/l	97
23) Vinyl Acetate	5.86	43	1050100	125.301	ug/l	99
24) 1,1-Dichloroethane	5.82	63	135078	22.329	ug/l	100
25) 2-Butanone	6.81	43	286283	103.006	ug/l	100
26) 2,2-Dichloropropane	6.79	77	117864	21.438	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	76359	21.907	ug/l	99
28) Bromochloromethane	7.17	49	54126	21.563	ug/l	99
29) Tetrahydrofuran	7.18	42	187397	110.664	ug/l	99
30) Chloroform	7.35	83	133551	22.429	ug/l	98
31) Cyclohexane	7.63	56	118151	20.671	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	113527	21.148	ug/l	99
36) 1,1-Dichloropropene	7.77	75	98496	21.656	ug/l	99
37) Ethyl Acetate	6.90	43	118775	22.469	ug/l	99
38) Carbon Tetrachloride	7.75	117	100535	21.302	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	107740	20.884	ug/l	98
40) Benzene	8.02	78	291280	21.914	ug/l	98
41) Methacrylonitrile	7.14	41	47433m	21.742	ug/l	
42) 1,2-Dichloroethane	8.10	62	117269	23.038	ug/l	100
43) Isopropyl Acetate	8.14	43	182441	22.198	ug/l	99
44) Trichloroethene	8.82	130	75296	21.627	ug/l	99
45) 1,2-Dichloropropane	9.10	63	80268	22.363	ug/l	98
46) Dibromomethane	9.19	93	52597	22.367	ug/l	99
47) Bromodichloromethane	9.39	83	105671	22.539	ug/l	97
48) Methyl methacrylate	9.18	41	82023	21.997	ug/l	98
49) 1,4-Dioxane	9.18	88	24172	452.352	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	567952	115.904	ug/l	100
52) Toluene	10.14	92	176172	21.571	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	122314	22.558	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	127096	22.299	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	72696	22.684	ug/l	99
56) Ethyl methacrylate	10.42	69	105724	22.222	ug/l	99
57) 1,3-Dichloropropane	10.70	76	127838	22.910	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	200137	132.271	ug/l	99
59) 2-Hexanone	10.74	43	417064	107.992	ug/l	100
60) Dibromochloromethane	10.90	129	79879	22.838	ug/l	99
61) 1,2-Dibromoethane	11.00	107	74754	21.995	ug/l	99
64) Tetrachloroethene	10.62	164	70624	18.866	ug/l	99
65) Chlorobenzene	11.43	112	186248	21.435	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	72677	22.021	ug/l	99
67) Ethyl Benzene	11.51	91	336567	21.459	ug/l	99
68) m/p-Xylenes	11.62	106	247906	42.804	ug/l	98
69) o-Xylene	11.94	106	117416	21.307	ug/l	100
70) Styrene	11.96	104	186678	21.084	ug/l	99
71) Bromoform	12.12	173	55997	22.571	ug/l #	99
73) Isopropylbenzene	12.25	105	312312	21.176	ug/l	99
74) N-amyl acetate	12.07	43	146637	21.675	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102937	22.003	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	98688m	21.219	ug/l	
77) Bromobenzene	12.52	156	76562	21.109	ug/l	99
78) n-propylbenzene	12.59	91	370891	21.274	ug/l	100
79) 2-Chlorotoluene	12.67	91	222938	21.148	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	268742	21.532	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	39464	20.957	ug/l	98
82) 4-Chlorotoluene	12.77	91	229830	21.293	ug/l	99
83) tert-Butylbenzene	12.99	119	220664	20.877	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	269521	21.718	ug/l	100
85) sec-Butylbenzene	13.17	105	297834	21.184	ug/l	99
86) p-Isopropyltoluene	13.29	119	267396	20.999	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	137277	20.583	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136308	20.271	ug/l	99
89) n-Butylbenzene	13.61	91	243943	20.433	ug/l	98
90) Hexachloroethane	13.87	117	51695	21.477	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	134437	20.439	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24880	20.069	ug/l	96

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81465	19.181	ug/l	99
94) Hexachlorobutadiene	15.01	225	42335	19.408	ug/l	99
95) Naphthalene	15.12	128	250616	19.766	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	84346	19.635	ug/l	99

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

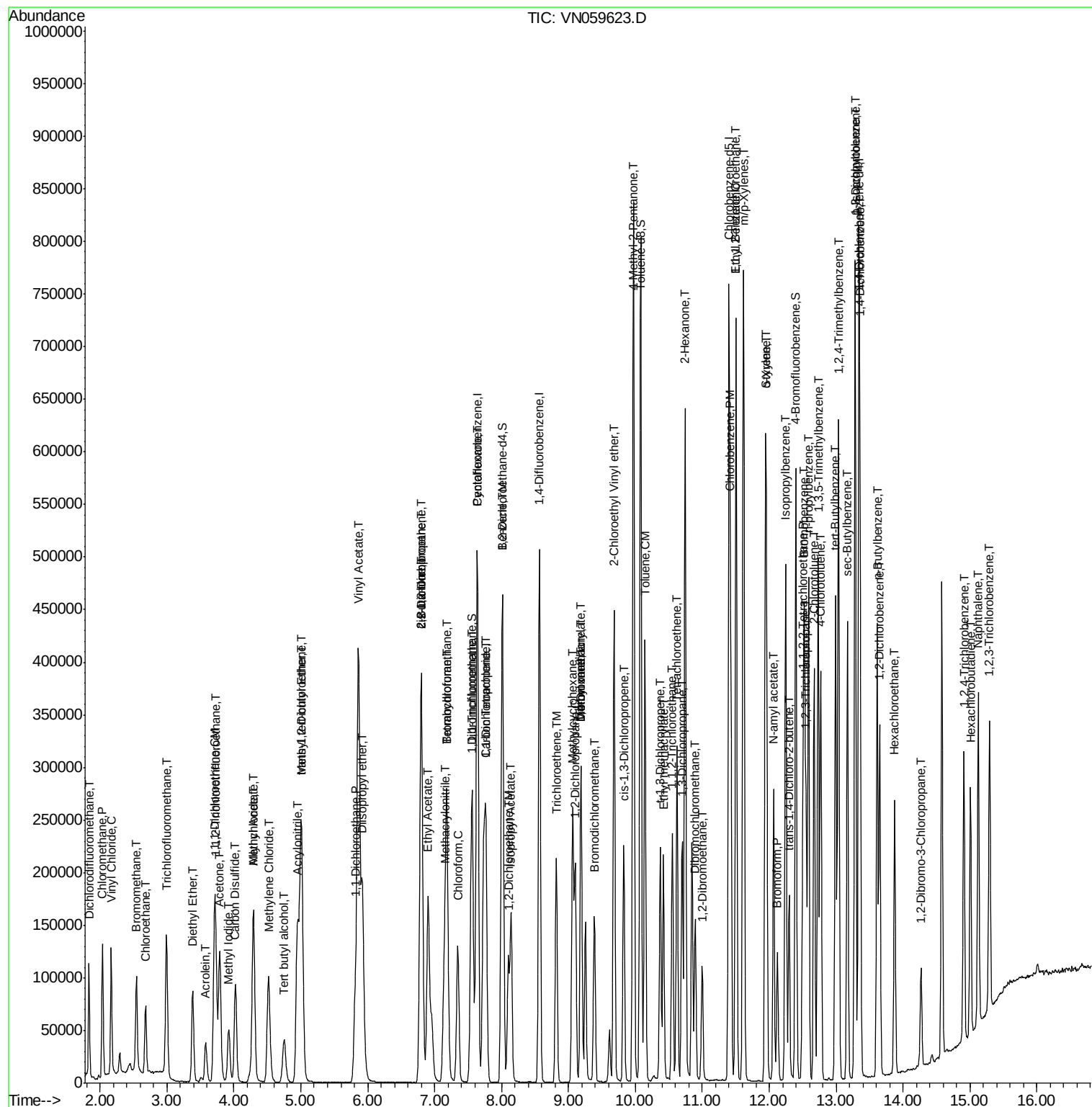
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 Data File : VN059623.D
 Acq On : 17 Dec 2019 14:46
 Operator : JC/SP
 Sample : VN1217WBSD01
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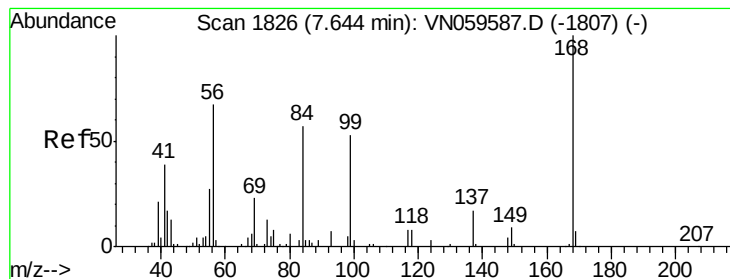
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1217WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion:168 Resp: 269025

Ion Ratio Lower Upper

168 100

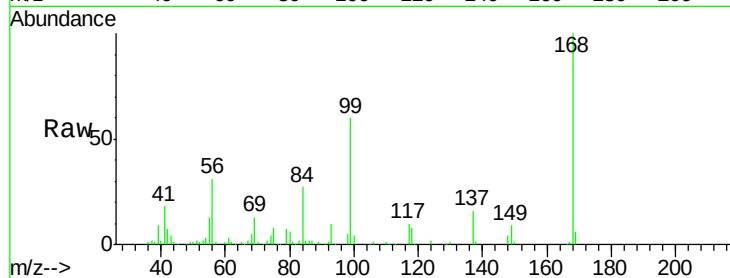
99 59.8 48.2 72.4

Manual Integrations

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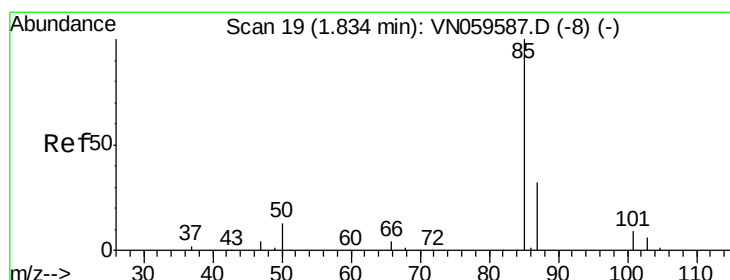
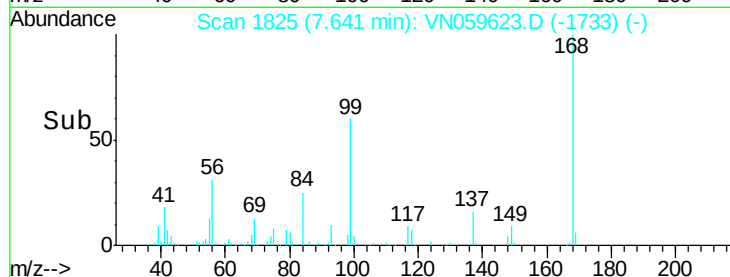
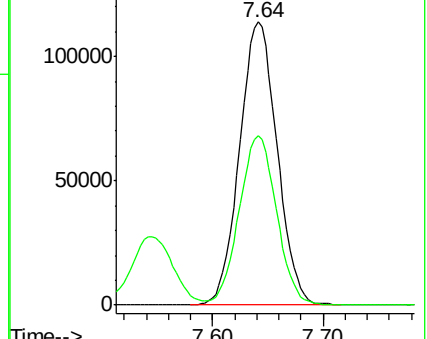
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 22.814 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059623.D

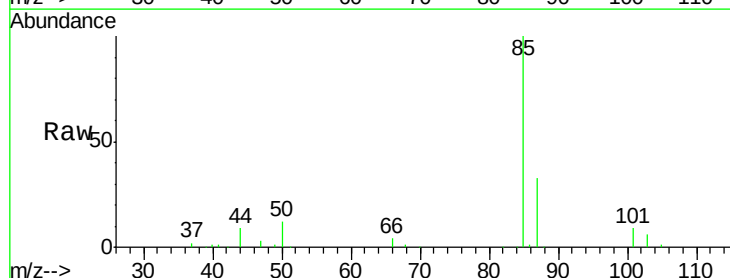
Acq: 17 Dec 2019 14:46

Tgt Ion: 85 Resp: 79308

Ion Ratio Lower Upper

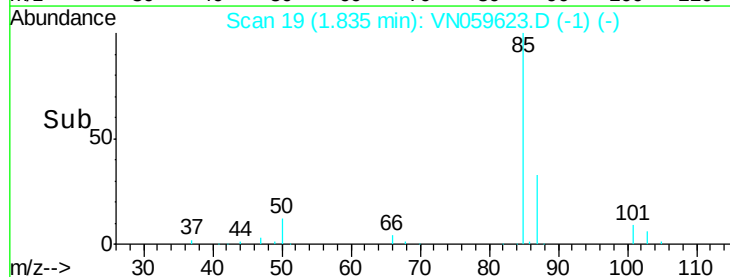
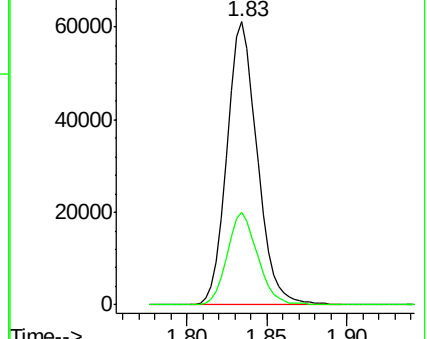
85 100

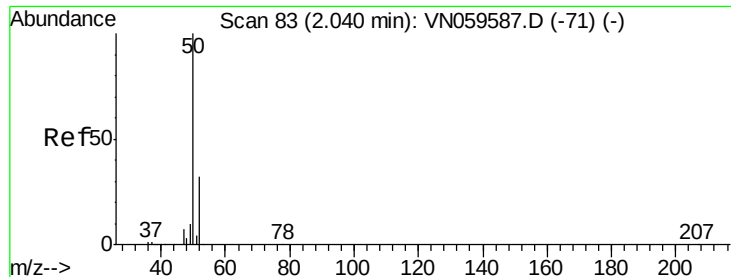
87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.440 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 50 Resp: 112760

Ion Ratio Lower Upper

50 100

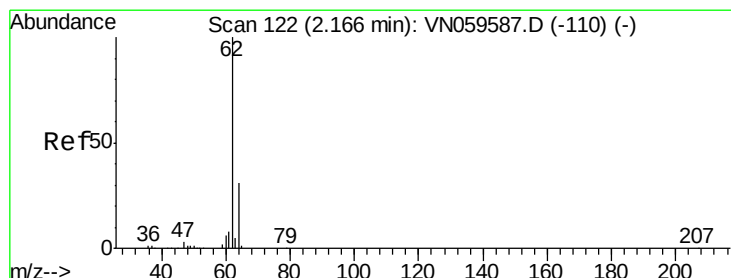
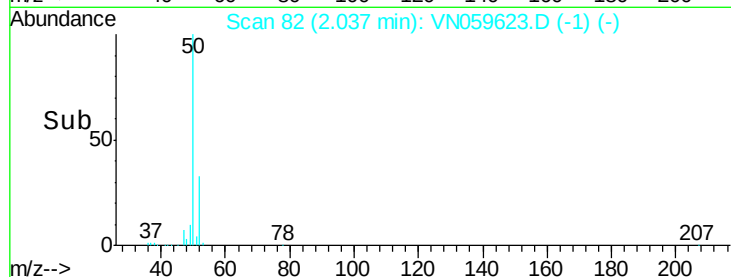
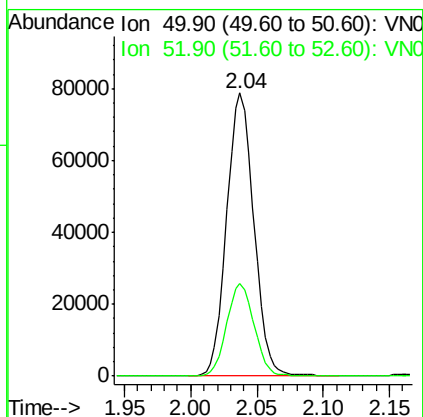
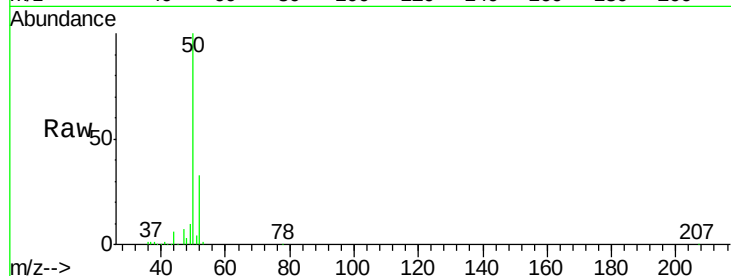
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.920 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059623.D

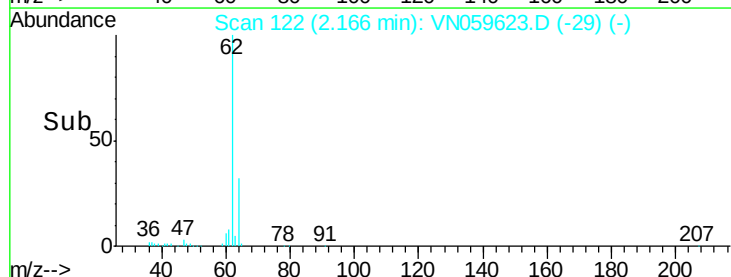
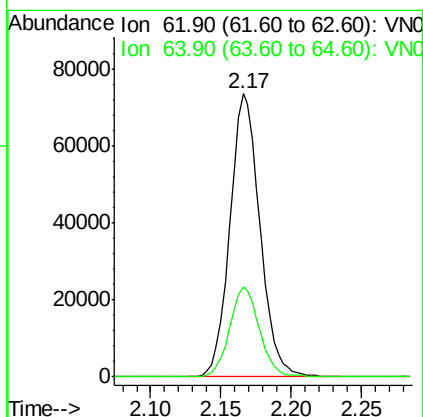
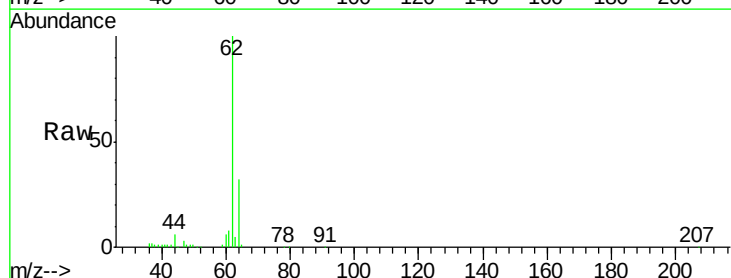
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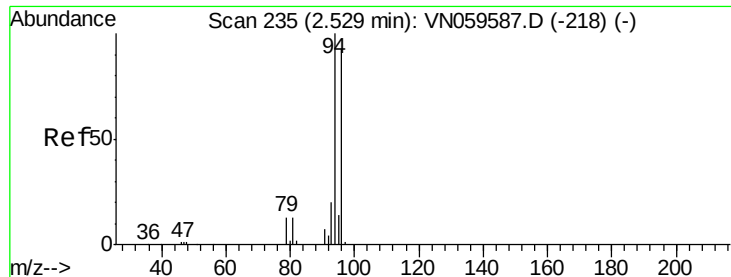
Tgt Ion: 62 Resp: 109441

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 19.973 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 94 Resp: 60744

Ion Ratio Lower Upper

94 100

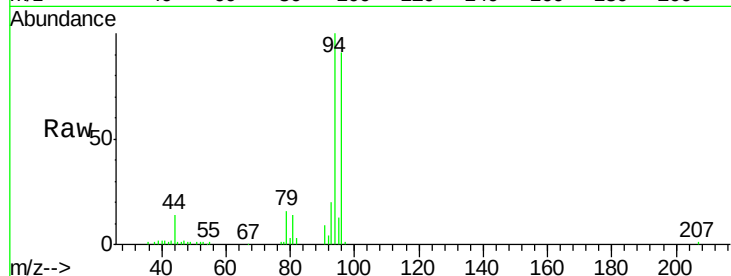
96 91.0 74.7 112.1

Manual Integrations

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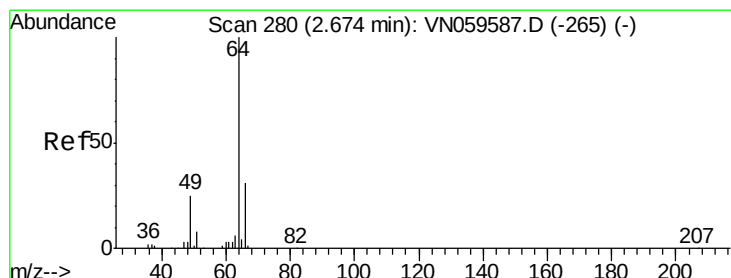
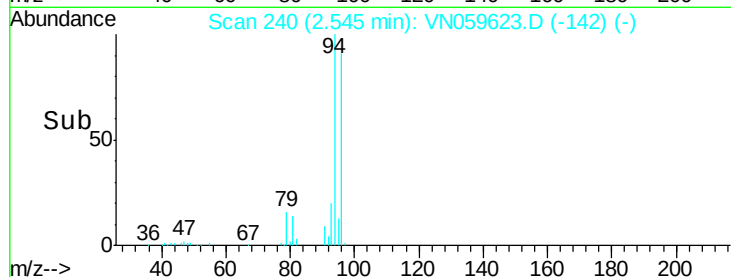
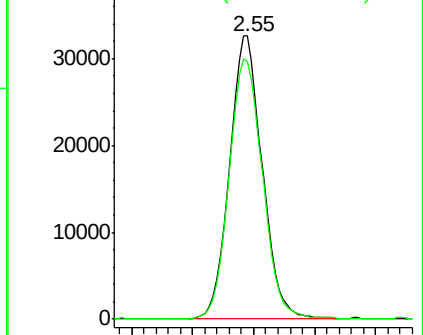
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.045 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059623.D

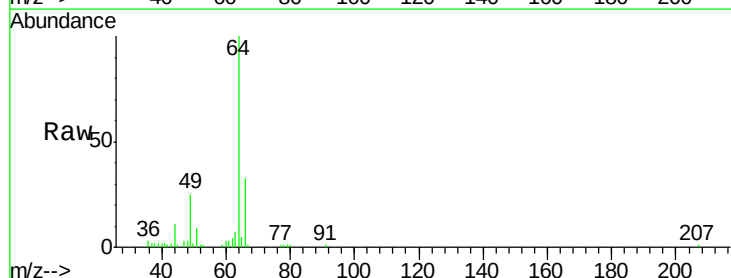
Acq: 17 Dec 2019 14:46

Tgt Ion: 64 Resp: 61877

Ion Ratio Lower Upper

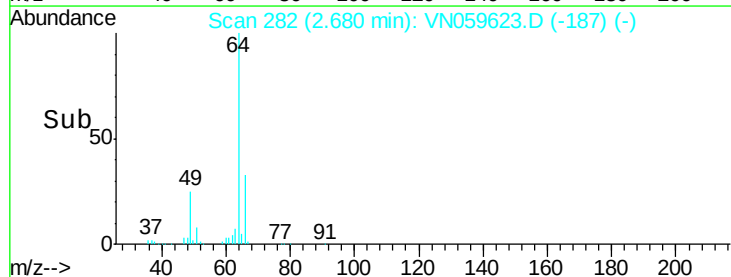
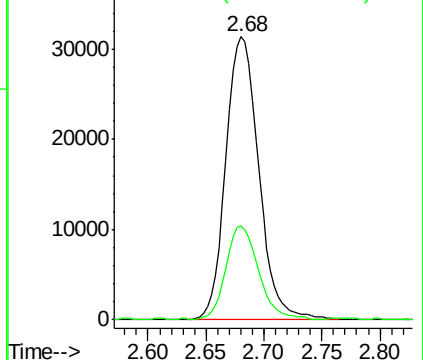
64 100

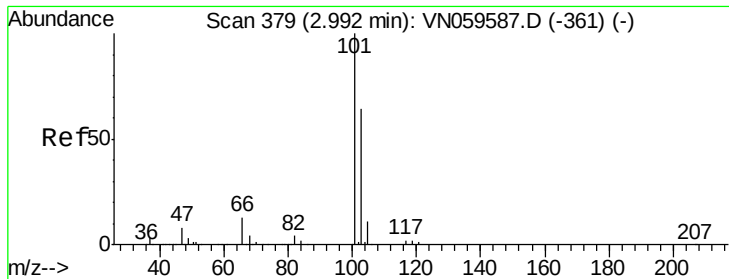
66 33.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

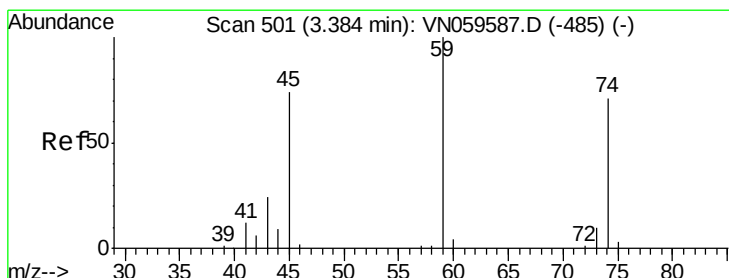
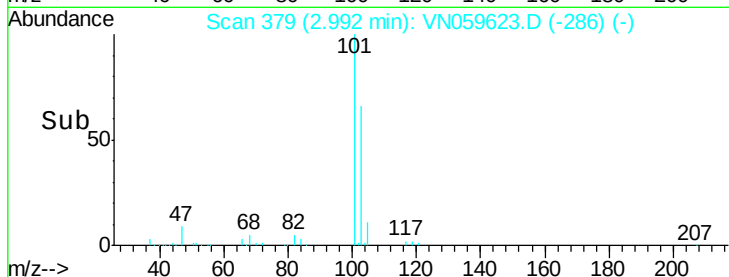
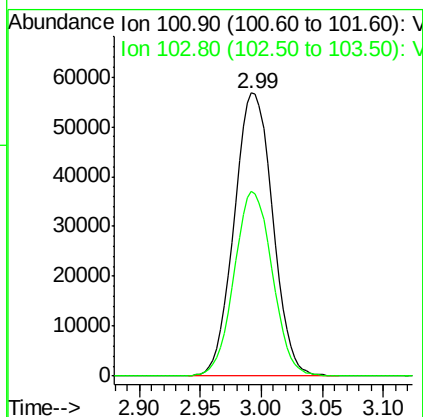
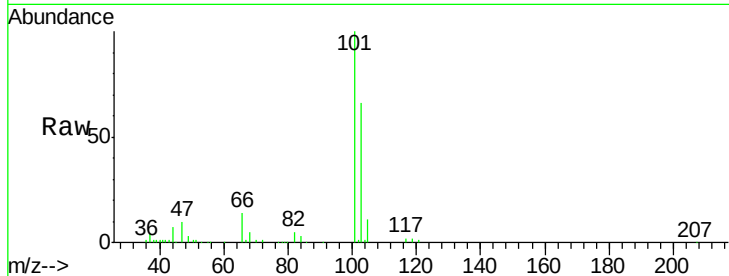
Trichlorofluoromethane
 Concen: 21.674 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
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 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		124407		
103	65.5	51.0	76.6		

Manual Integrations
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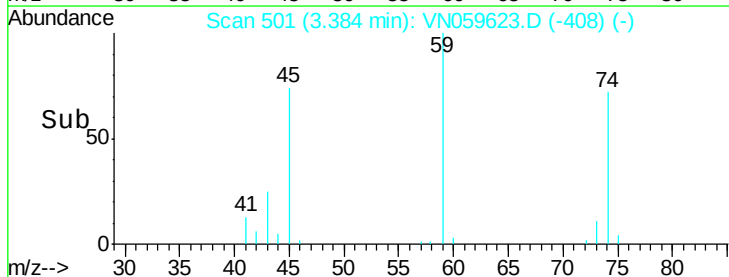
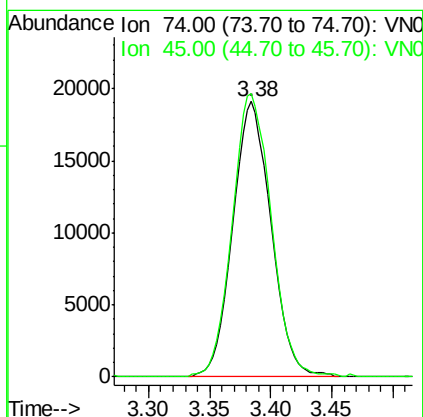
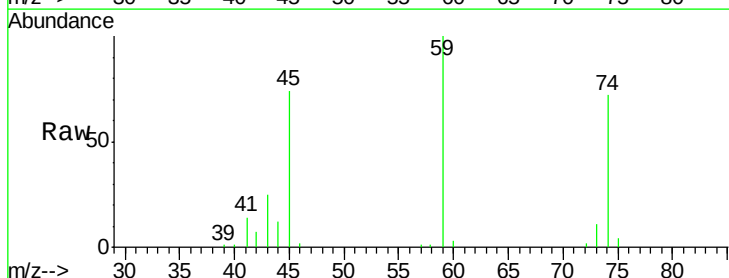
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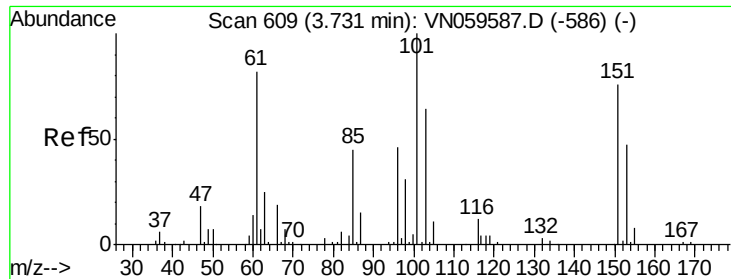


#8

Diethyl Ether
 Concen: 23.155 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		41526		
45	105.2	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.162 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

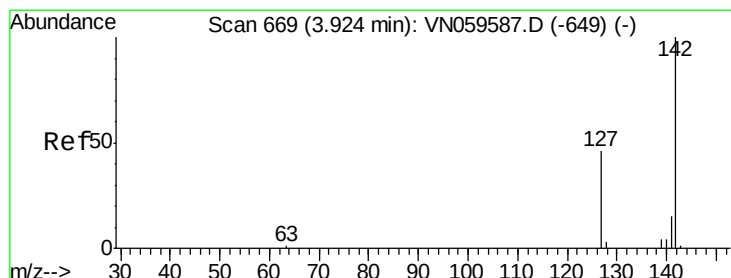
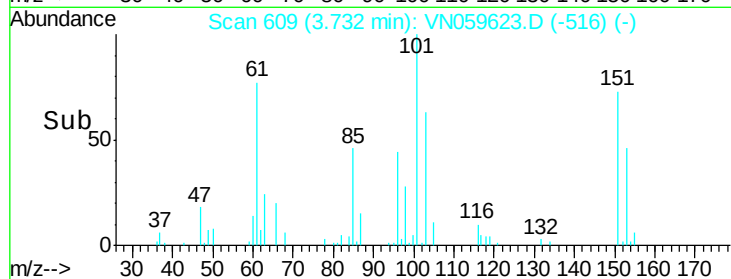
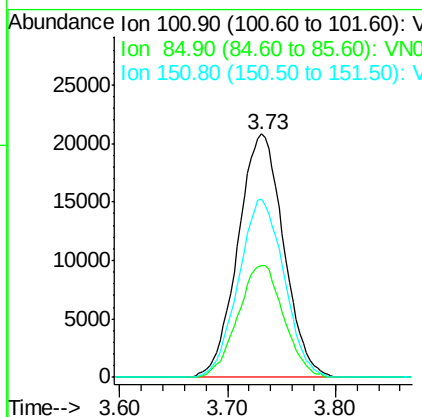
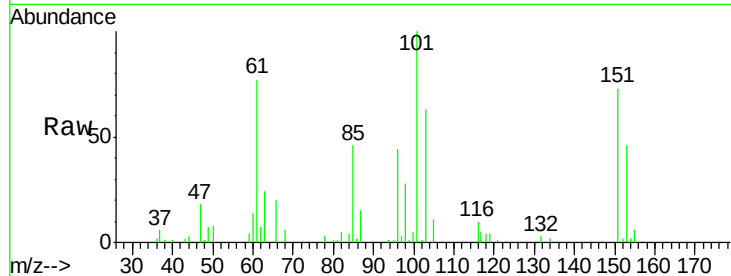
ClientSampleId :

VN1217WBSD01

Tot Ion:	101	Resp:	61213
Ion Ratio	Lower	Upper	
101	100		
85	46.2	36.6	54.8
151	72.8	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.764 ug/l

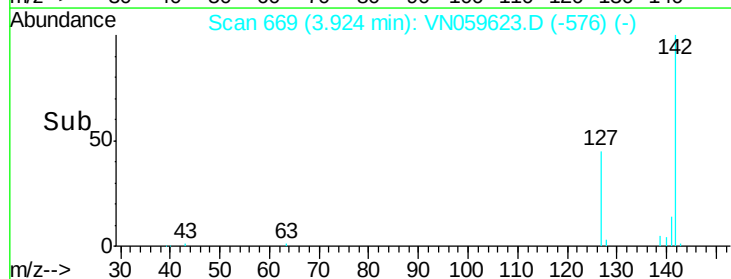
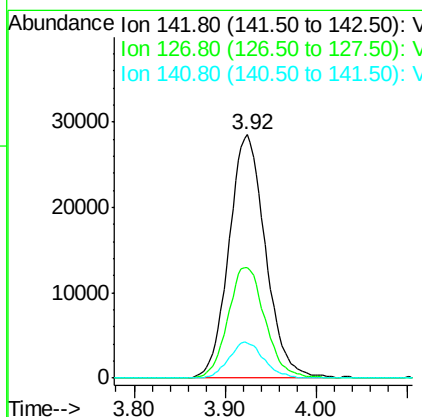
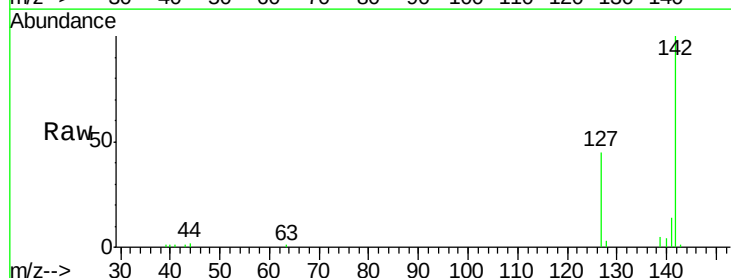
RT: 3.92 min Scan# 669

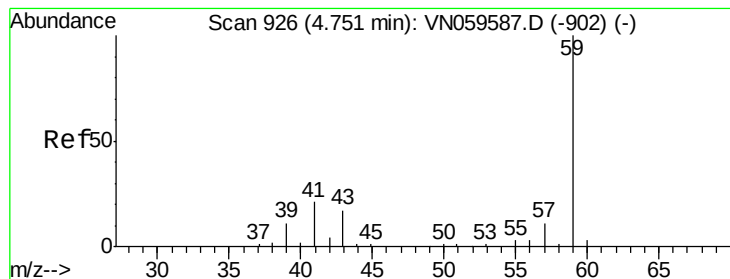
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	142	Resp:	79512
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.7	55.1
141	14.1	11.7	17.5





#11

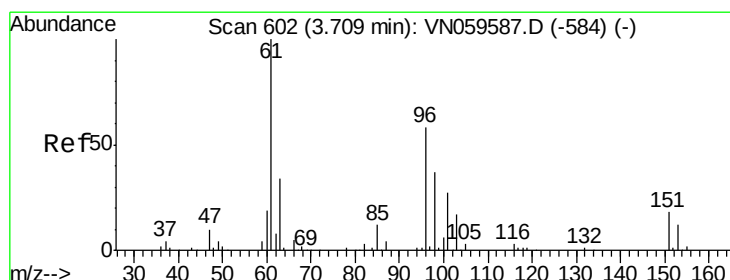
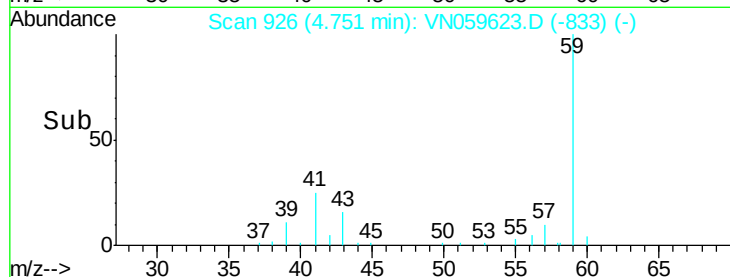
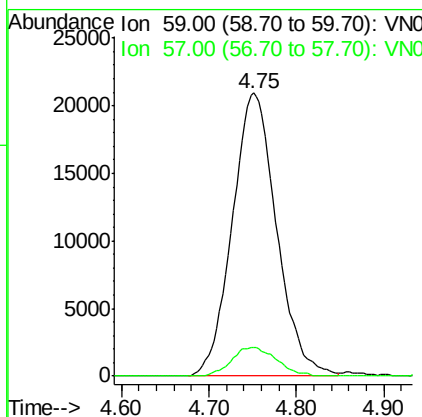
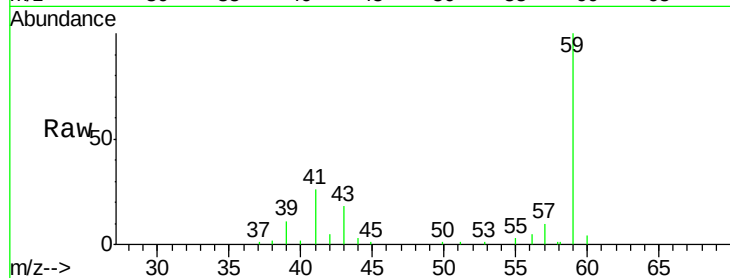
Tert butyl alcohol
 Concen: 102.513 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion: 59 Resp: 73573
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.6 12.8

Manual Integrations
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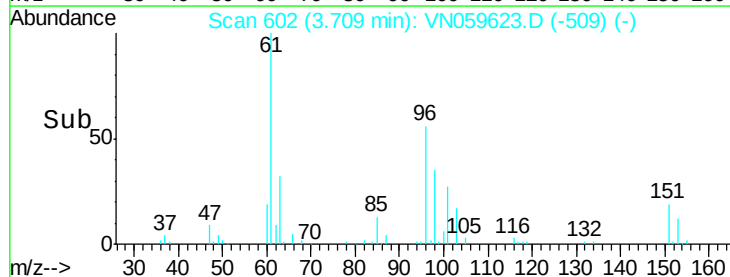
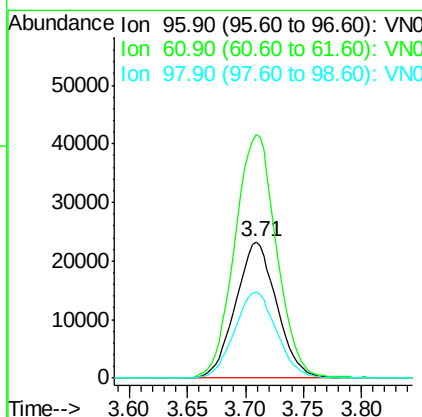
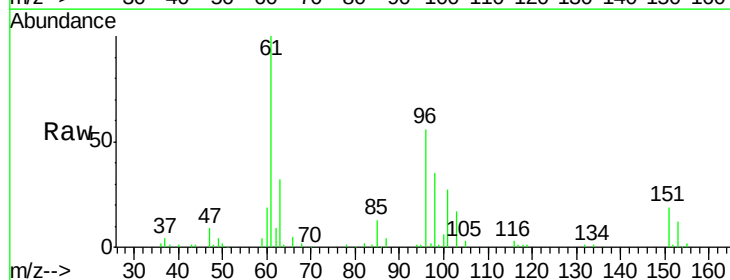
apatel
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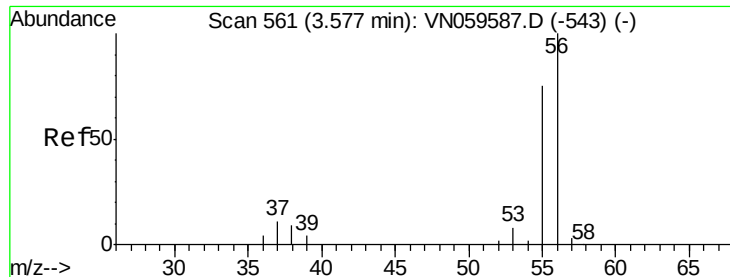


#12

1,1-Dichloroethene
 Concen: 20.246 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion: 96 Resp: 57128
 Ion Ratio Lower Upper
 96 100
 61 178.6 137.5 206.3
 98 63.3 50.2 75.4





#13

Acrolein

Concen: 81.013 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 56 Resp: 41417

Ion Ratio Lower Upper

56 100

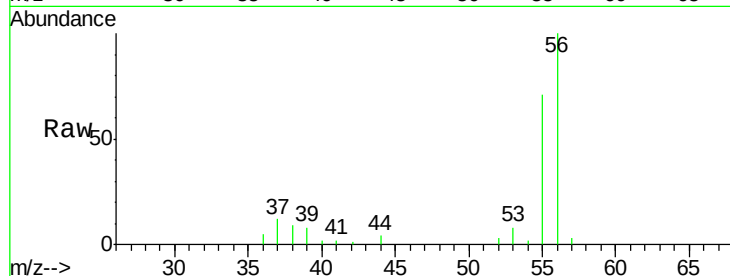
55 71.7 58.6 88.0

Manual Integrations

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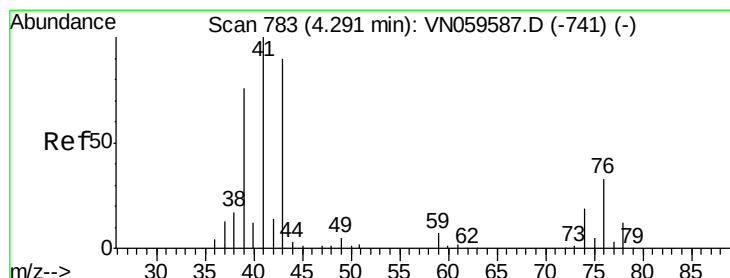
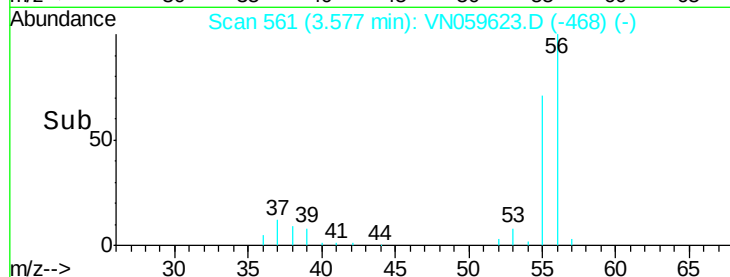
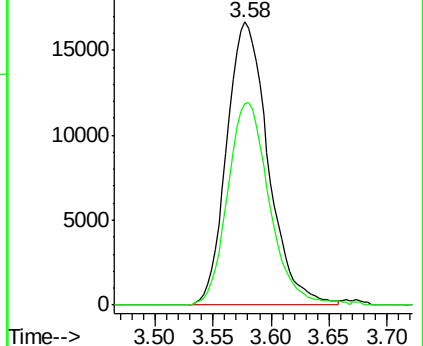
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.534 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

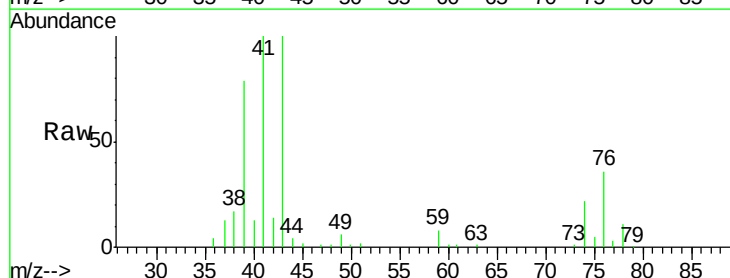
Tgt Ion: 41 Resp: 118948

Ion Ratio Lower Upper

41 100

39 72.1 57.8 86.8

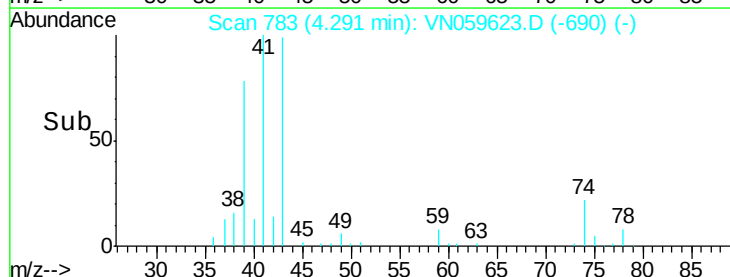
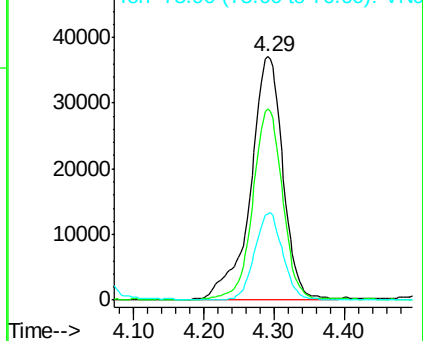
76 31.0 25.4 38.0

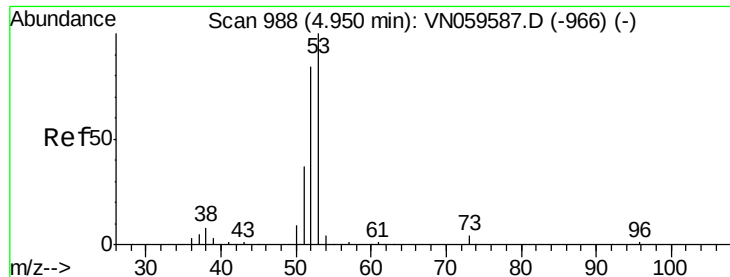


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.422 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

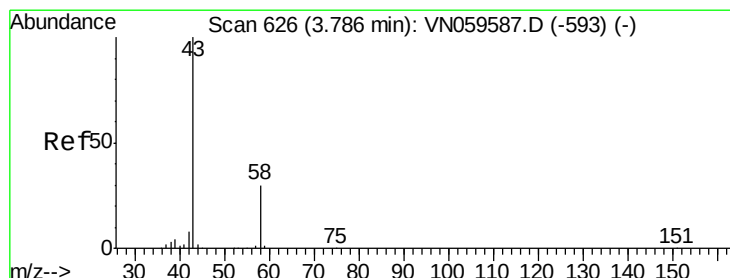
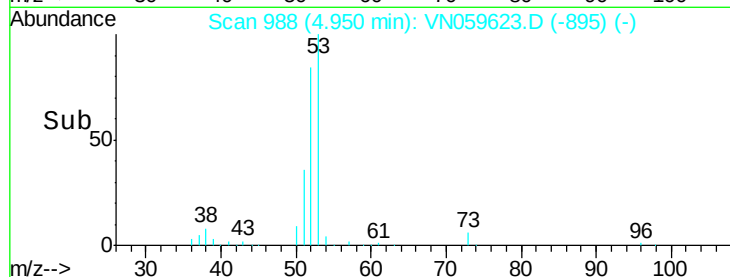
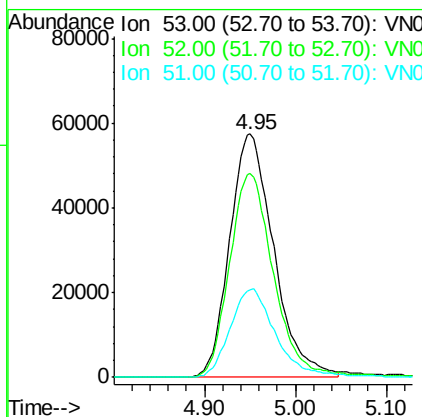
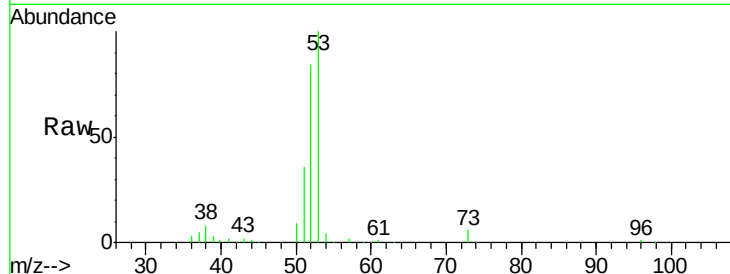
ClientSampleId :

VN1217WBSD01

Tot Ion:	53	Resp:	193430
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.3	99.5
51	37.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 88.415 ug/l

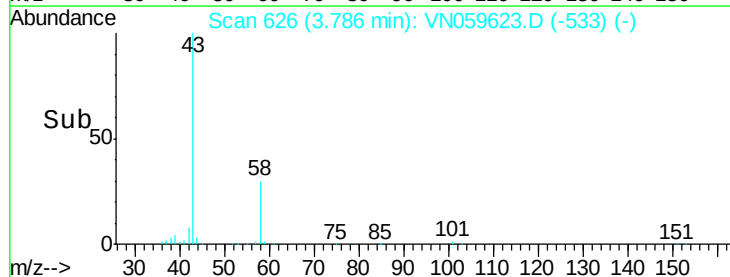
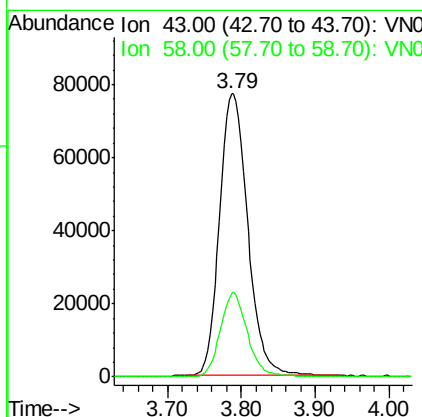
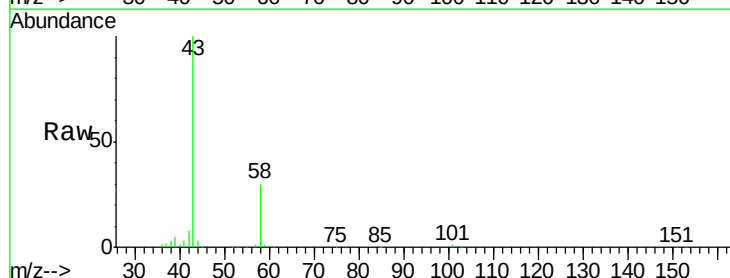
RT: 3.79 min Scan# 626

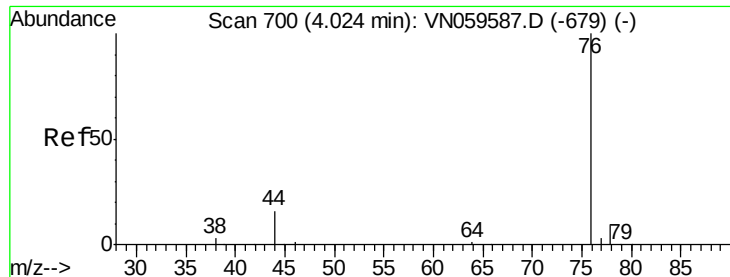
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	43	Resp:	205493
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.6	35.4





#17

Carbon Disulfide

Concen: 19.105 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tot Ion: 76 Resp: 180831

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

Instrument :

MSVOA_N

ClientSampleId :

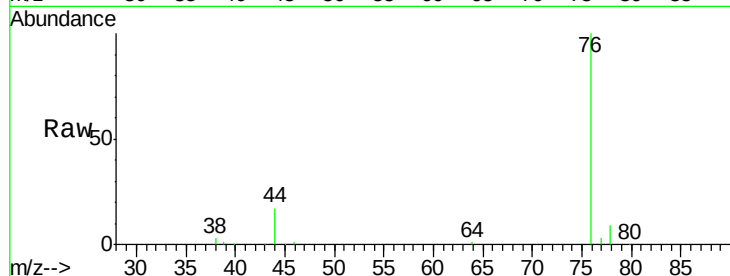
VN1217WBSD01

Manual Integrations

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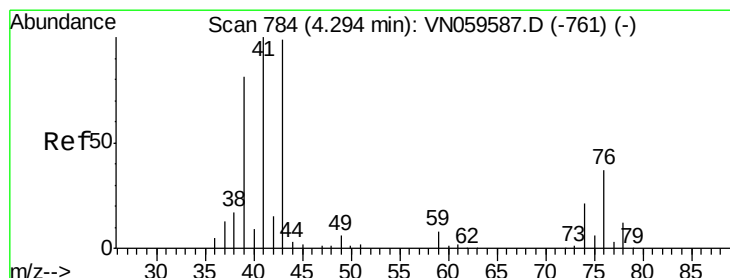
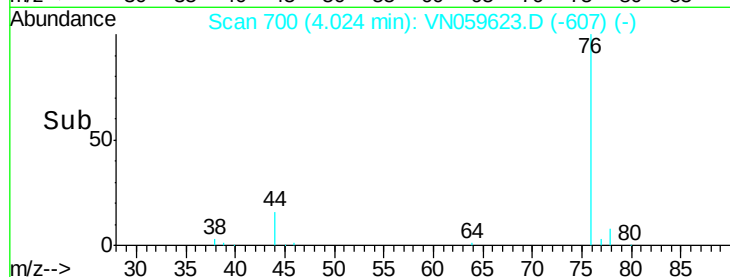
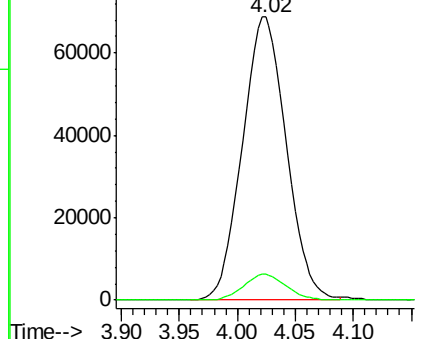
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.919 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059623.D

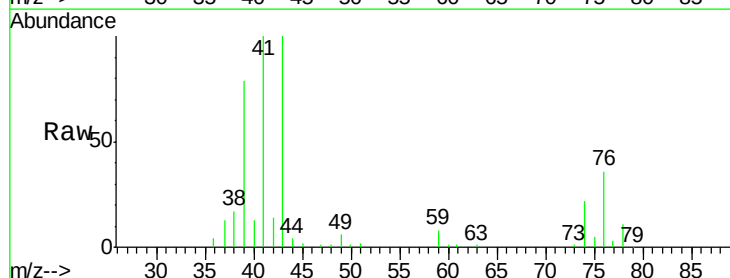
Acq: 17 Dec 2019 14:46

Tgt Ion: 43 Resp: 106749

Ion Ratio Lower Upper

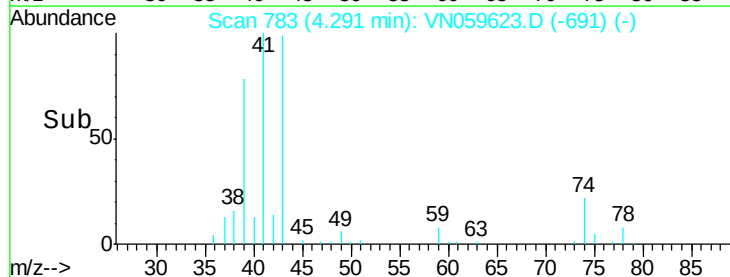
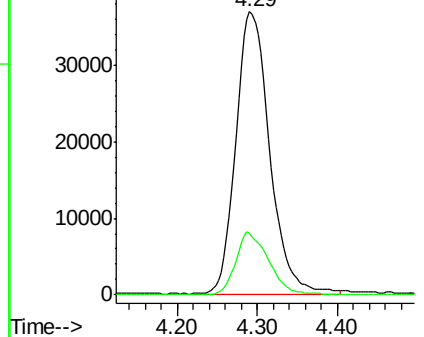
43 100

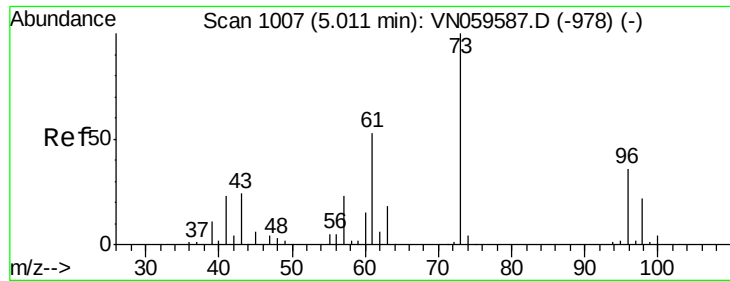
74 21.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





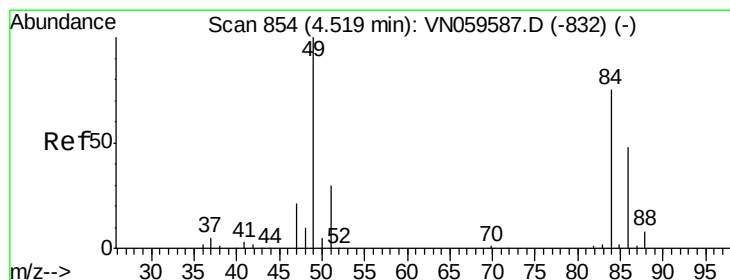
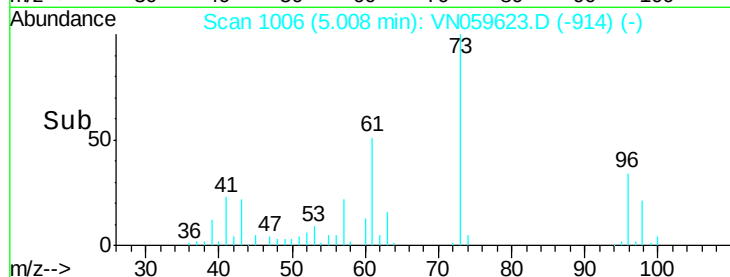
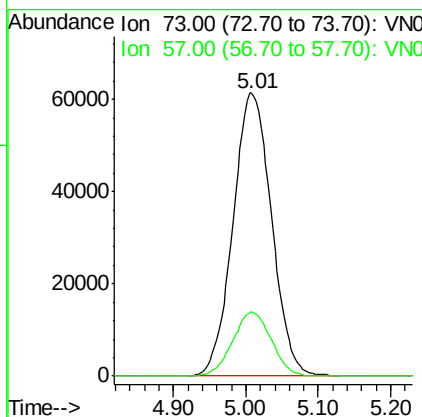
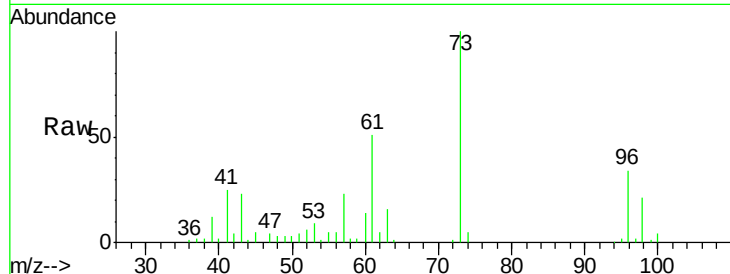
#19
Methyl tert-butyl Ether
Concen: 22.804 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion: 73 Resp: 227193
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8

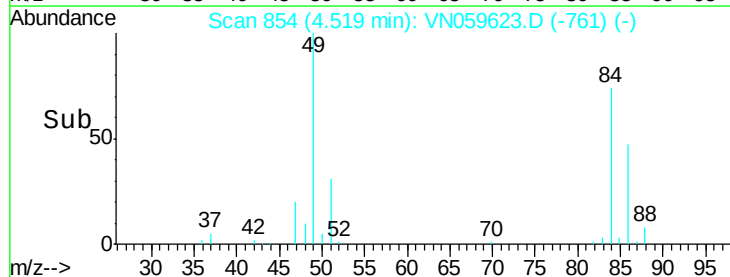
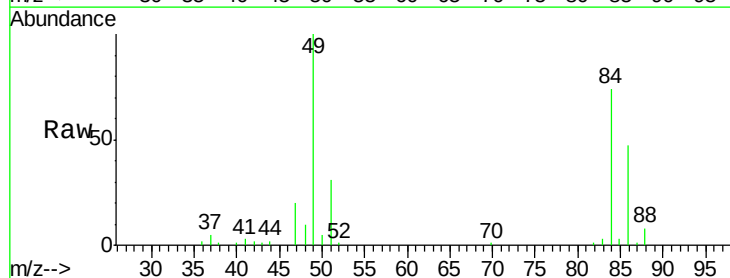
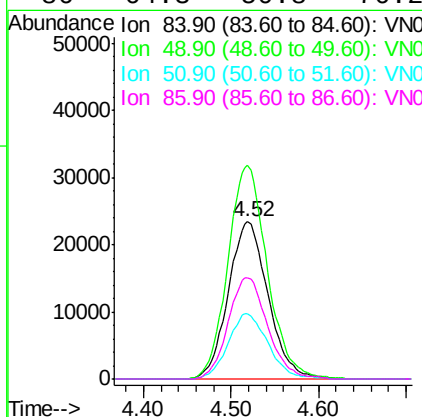
Manual Integrations
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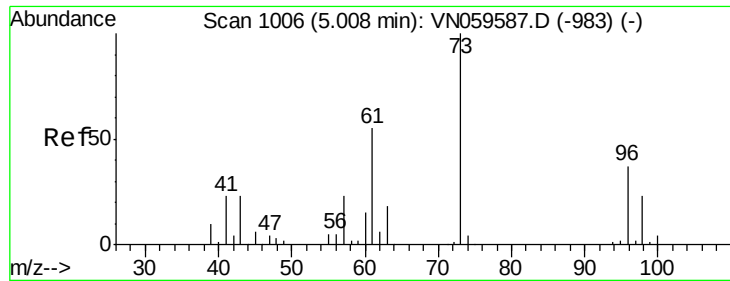
apatel
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#20
Methylene Chloride
Concen: 21.986 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion: 84 Resp: 73800
Ion Ratio Lower Upper
84 100
49 135.8 106.6 160.0
51 41.7 31.9 47.9
86 64.3 50.8 76.2





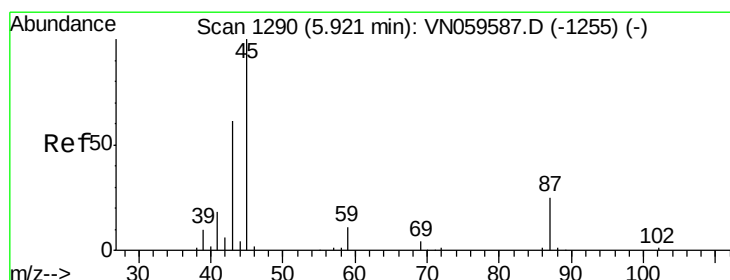
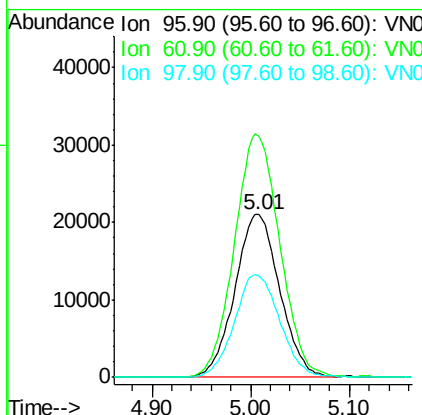
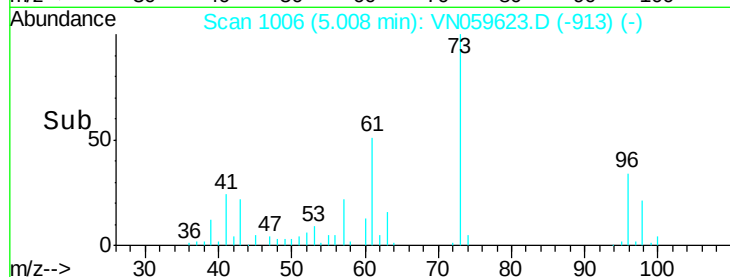
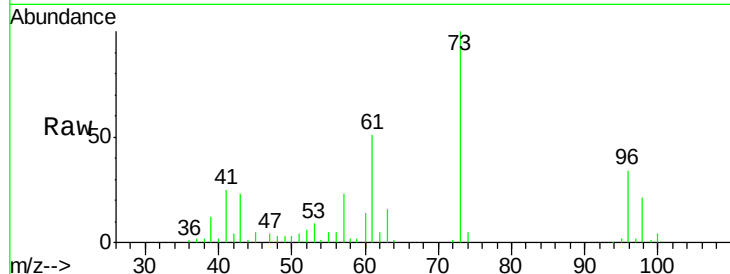
#21
trans-1,2-Dichloroethene
Concen: 21.031 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	120.4	180.6
98	62.8	50.6	75.8

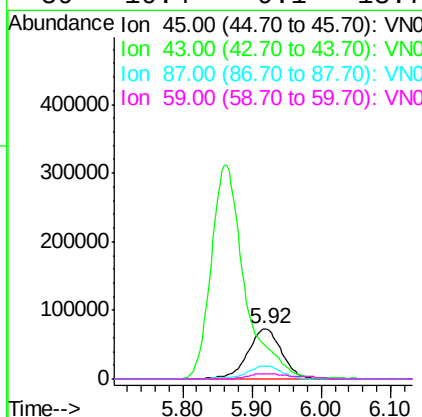
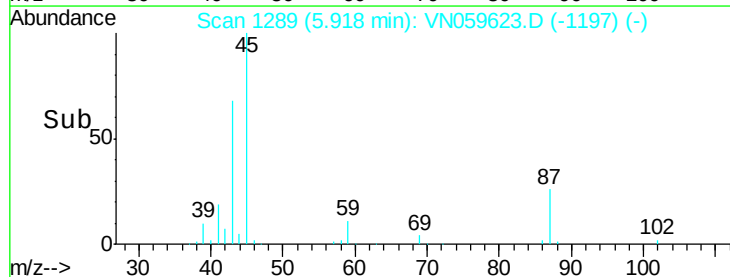
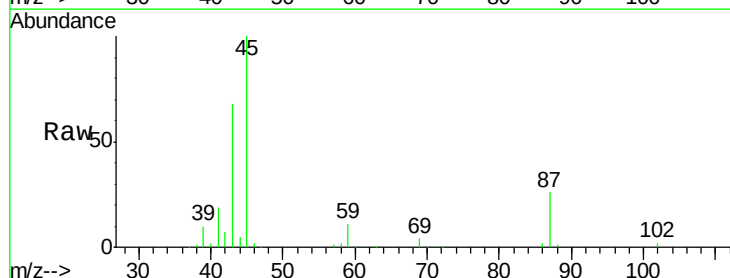
Manual Integrations
APPROVED

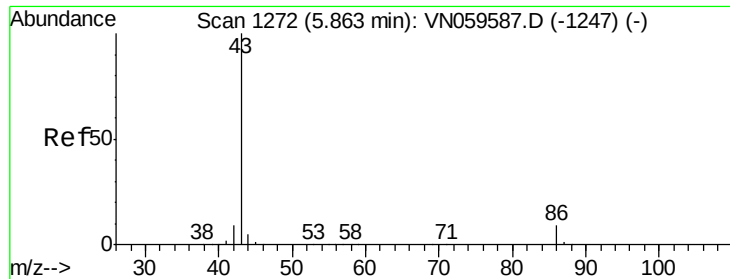
apatel
12/18/2019 10:05:08 AM



#22
Diisopropyl ether
Concen: 23.269 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.2	50.8	76.2
87	26.4	21.0	31.6
59	10.4	9.1	13.7





#23

Vinyl Acetate

Concen: 125.301 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 43 Resp: 1050100

Ion Ratio Lower Upper

43 100

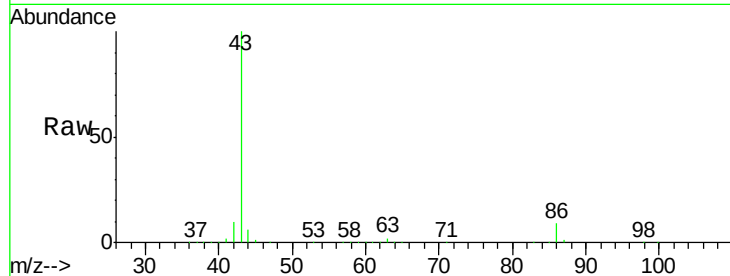
86 9.3 7.6 11.4

Manual Integrations

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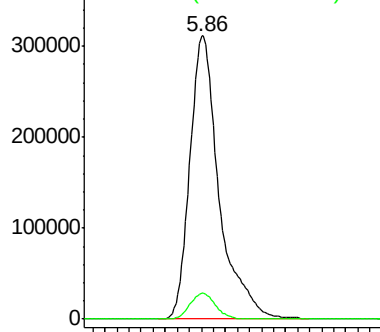
apatel

12/18/2019 10:05:08 AM

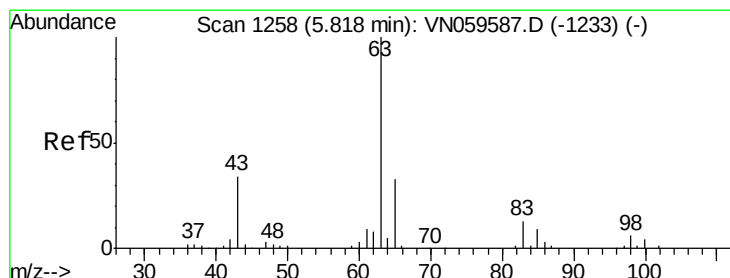
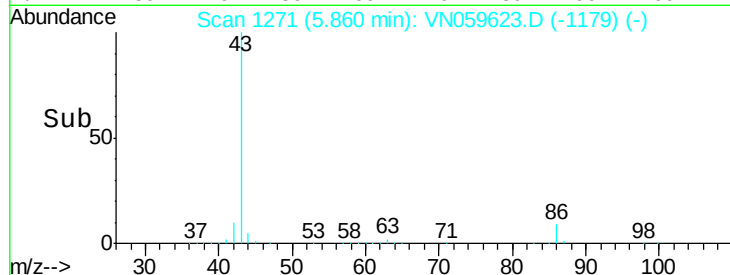


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 22.329 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

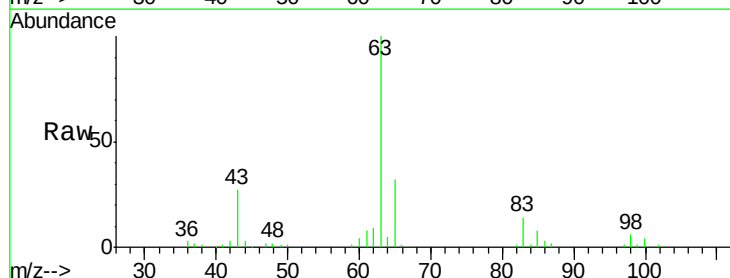
Tgt Ion: 63 Resp: 135078

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

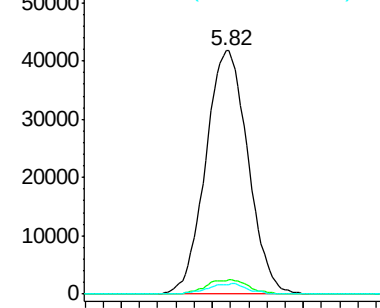
100 4.0 2.0 6.0



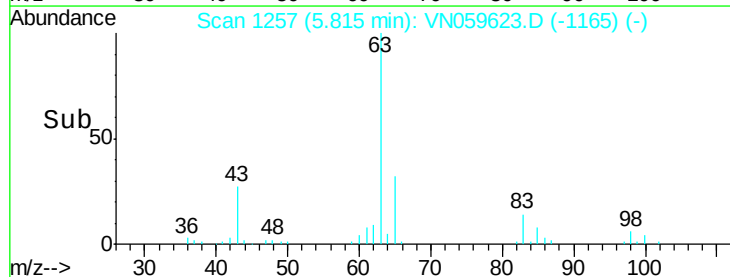
Abundance Ion 62.90 (62.60 to 63.60): VN0

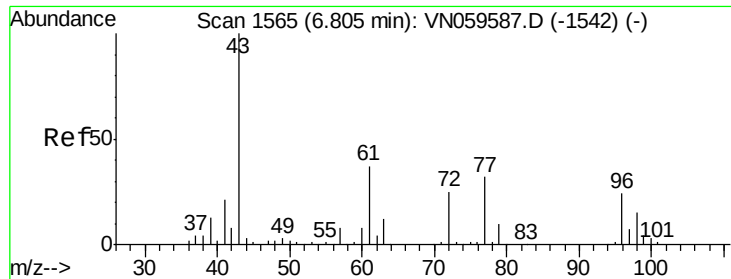
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 103.006 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tot Ion: 43 Resp: 286283

Ion Ratio Lower Upper

43 100

72 25.0 19.9 29.9

Instrument :

MSVOA_N

ClientSampleId :

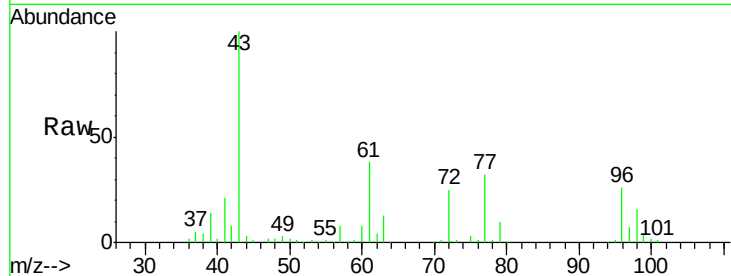
VN1217WBSD01

Manual Integrations

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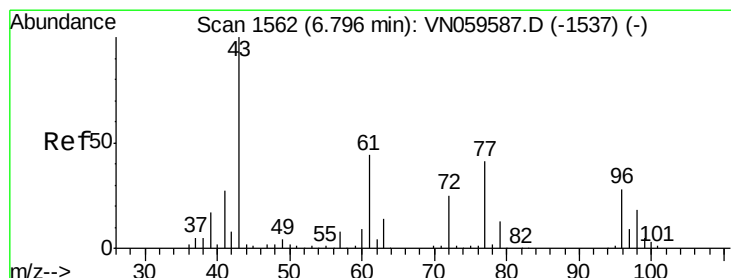
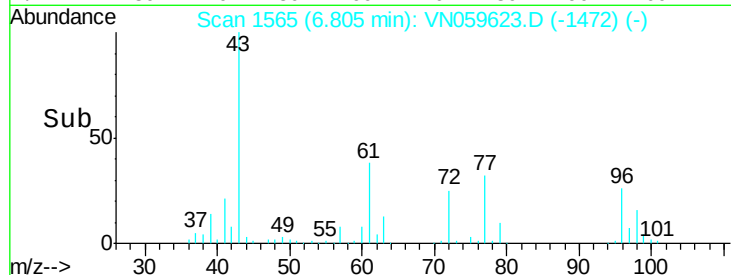
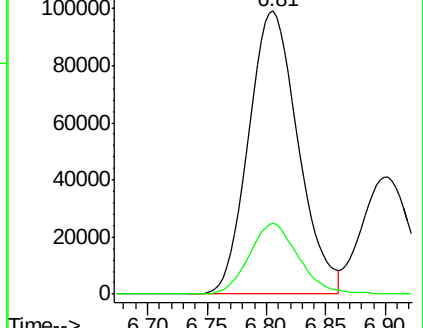
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 21.438 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059623.D

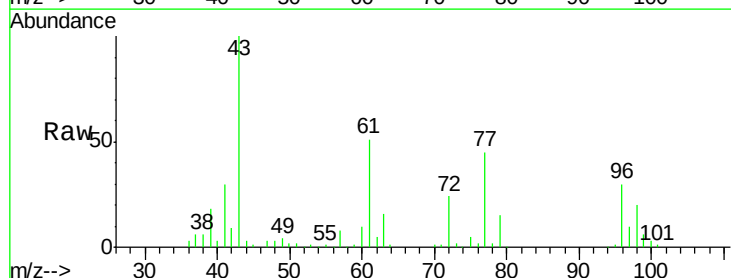
Acq: 17 Dec 2019 14:46

Tgt Ion: 77 Resp: 117864

Ion Ratio Lower Upper

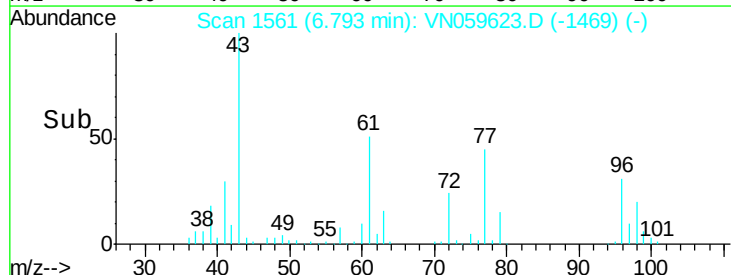
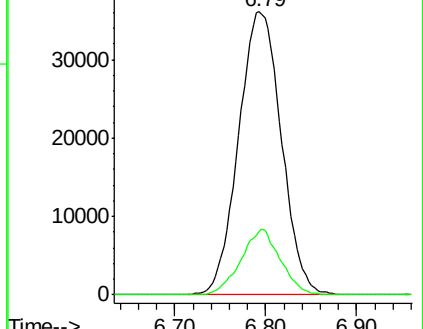
77 100

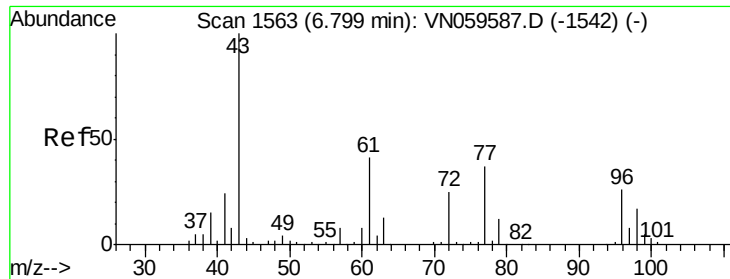
97 21.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 21.907 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

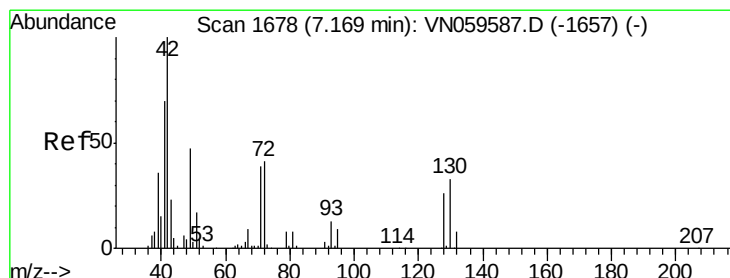
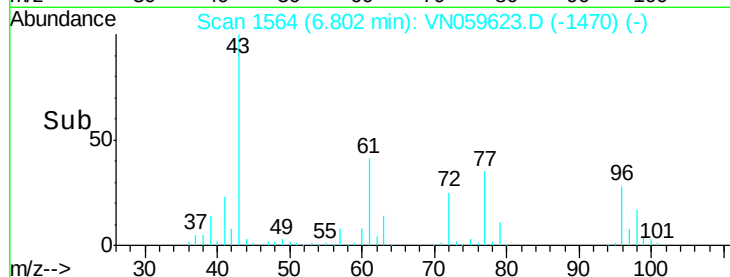
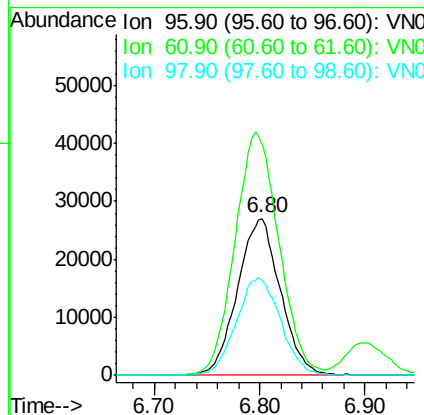
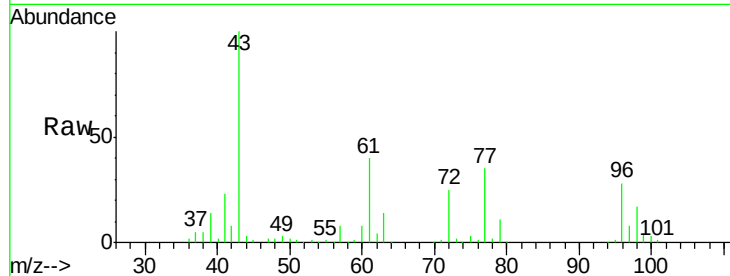
ClientSampleId :

VN1217WBSD01

Tot Ion:	96	Resp:	76359
Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	317.6
98	64.1	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 21.563 ug/l

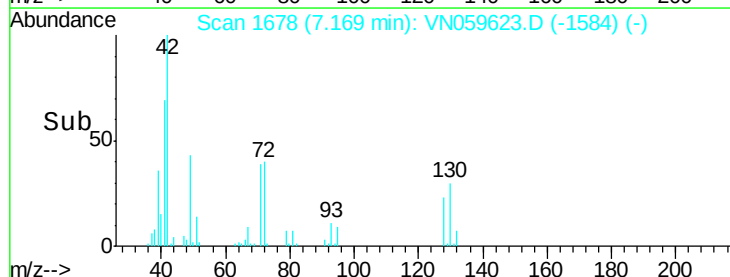
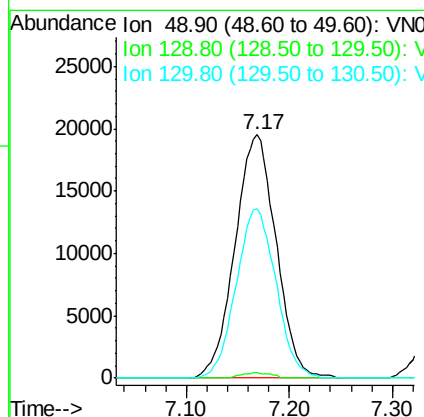
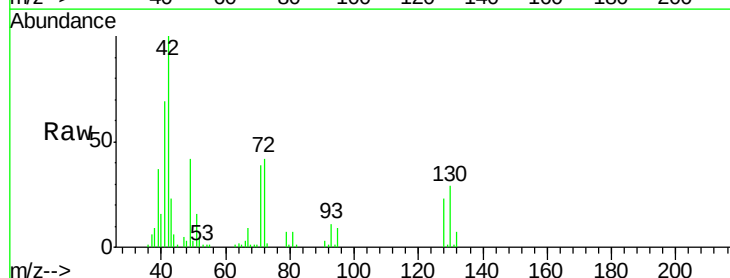
RT: 7.17 min Scan# 1678

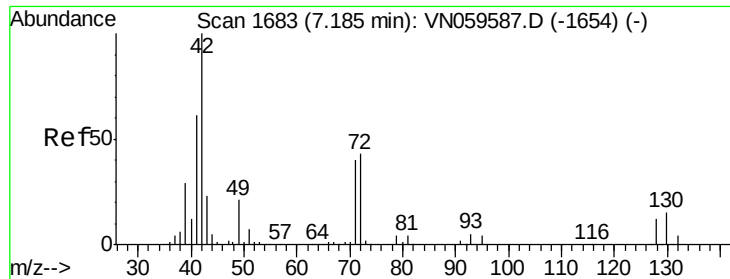
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	49	Resp:	54126
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	67.3	54.7	82.1





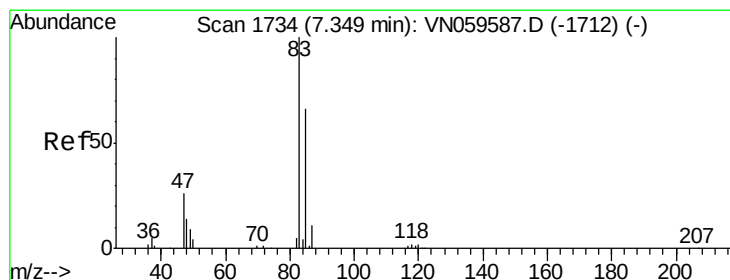
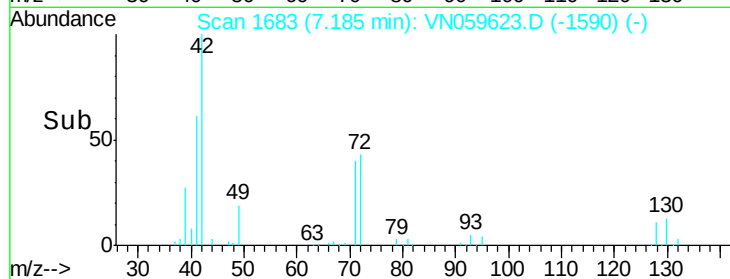
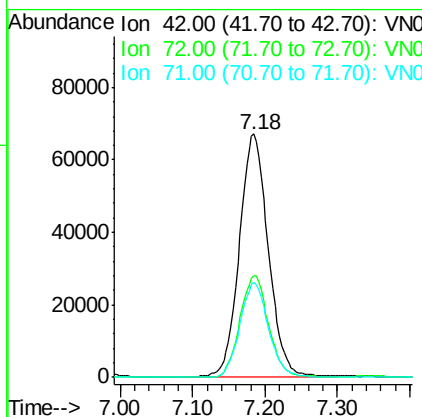
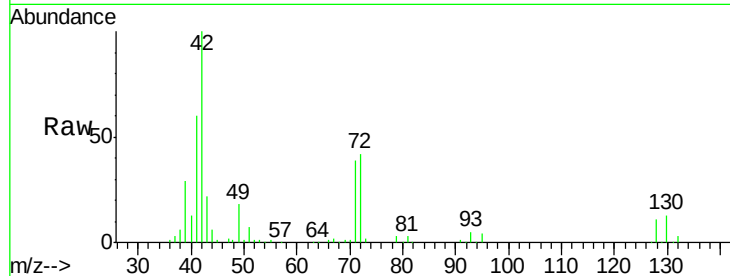
#29
Tetrahydrofuran
Concen: 110.664 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.3	31.4	47.0

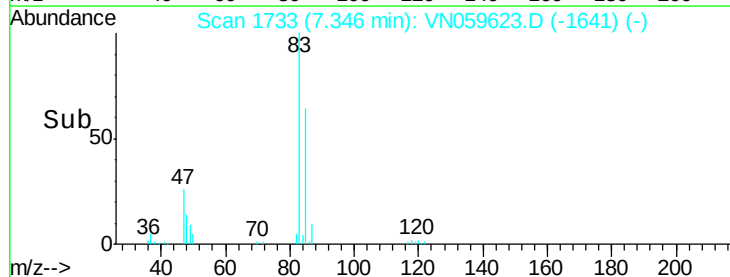
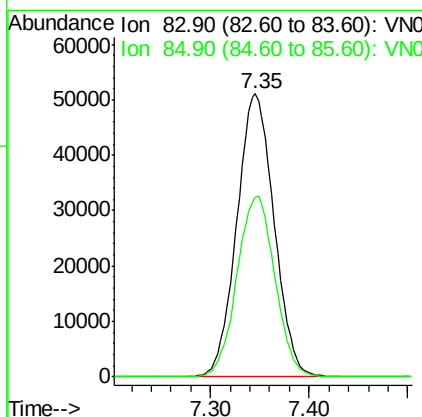
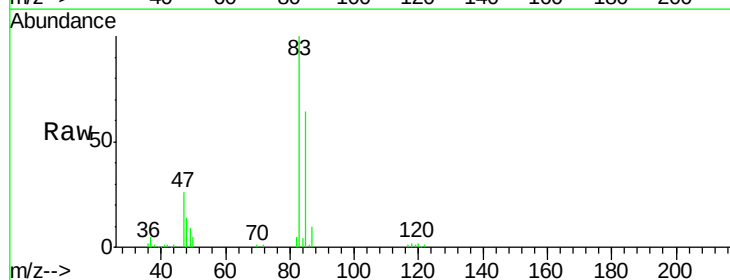
Manual Integrations
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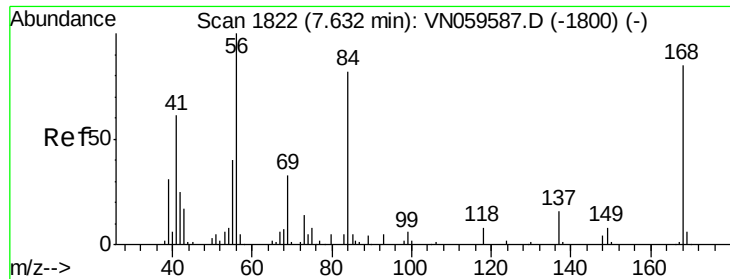
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#30
Chloroform
Concen: 22.429 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





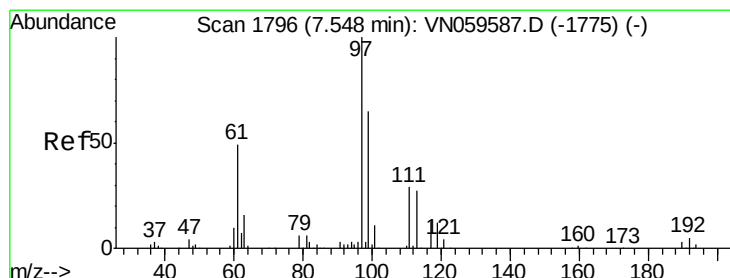
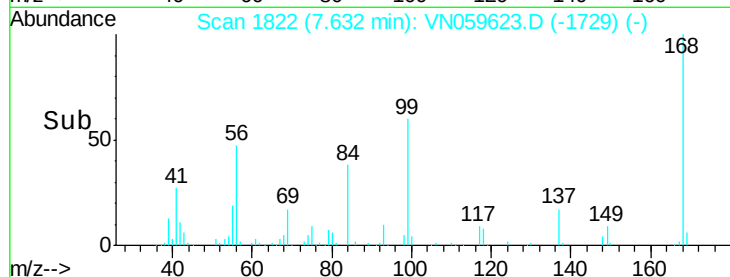
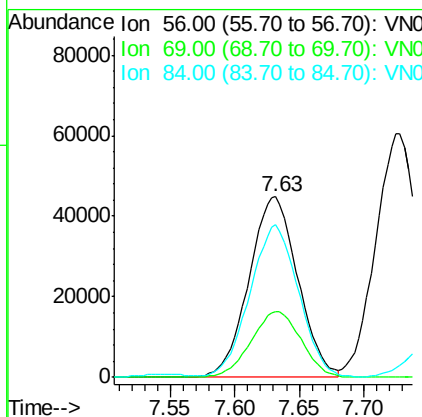
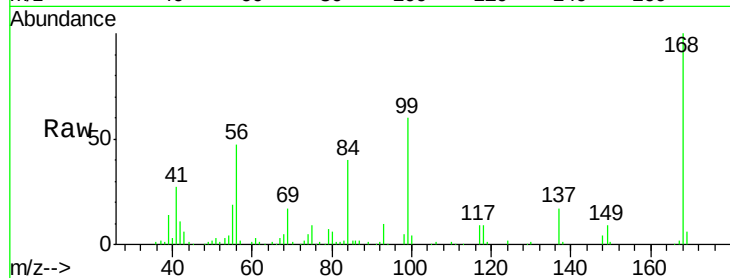
#31
Cyclohexane
Concen: 20.671 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	26.5	39.7
84	83.9	65.3	97.9

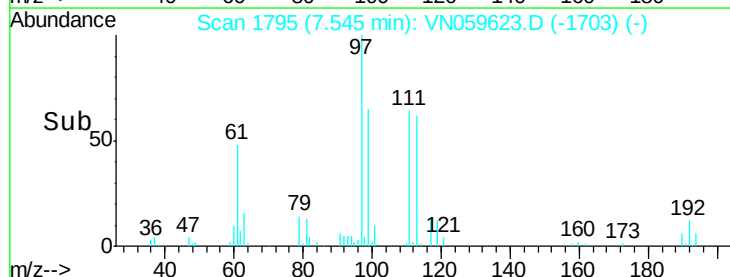
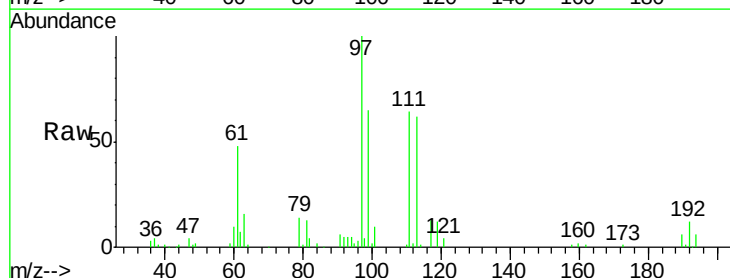
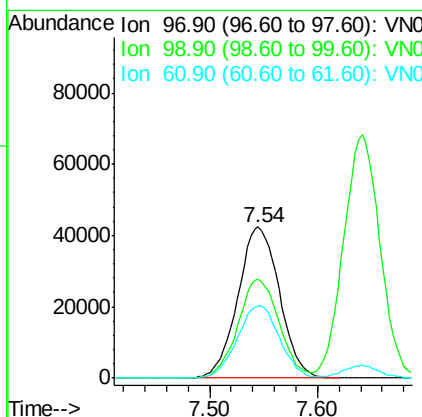
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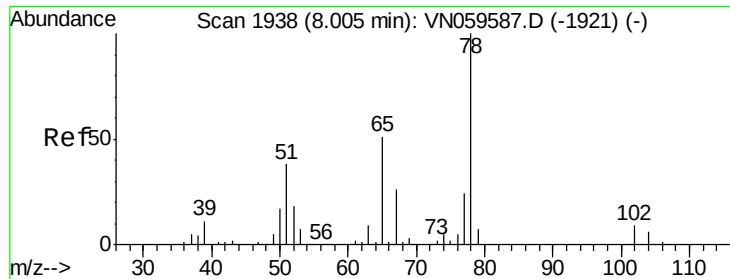
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#32
1,1,1-Trichloroethane
Concen: 21.148 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	48.7	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 52.936 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 65 Resp: 207228

Ion Ratio Lower Upper

65 100

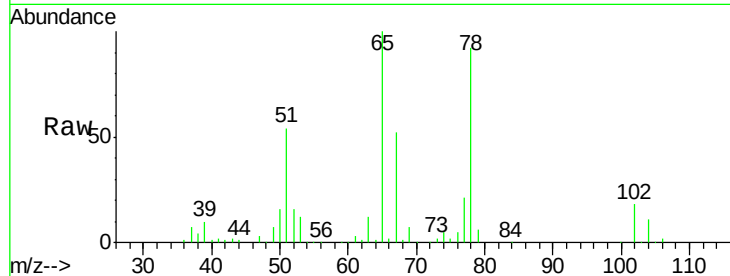
67 51.4 0.0 103.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN059587.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN059587.D (-1921) (-)

8.00

100000

80000

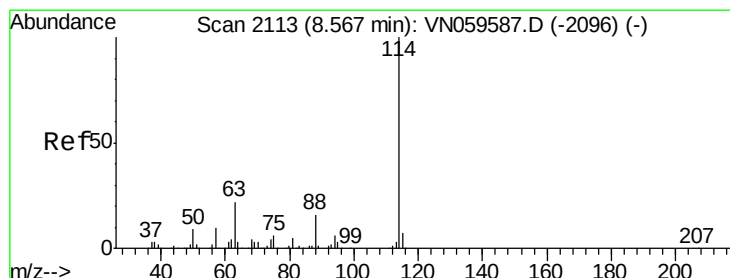
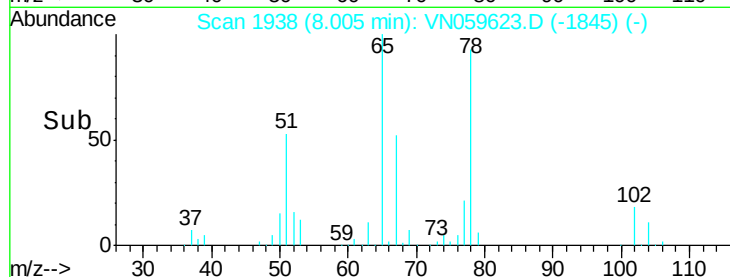
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

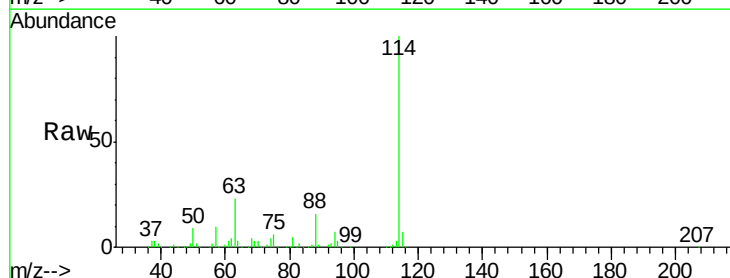
Tgt Ion: 114 Resp: 436134

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.6

88 15.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN059587.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059587.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059587.D (-2096) (-)

8.57

250000

200000

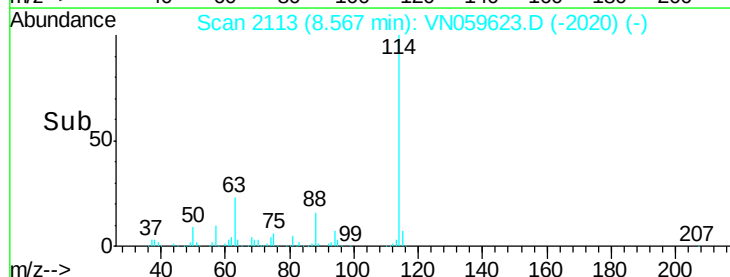
150000

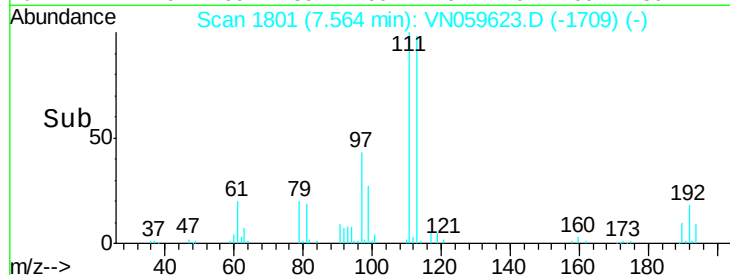
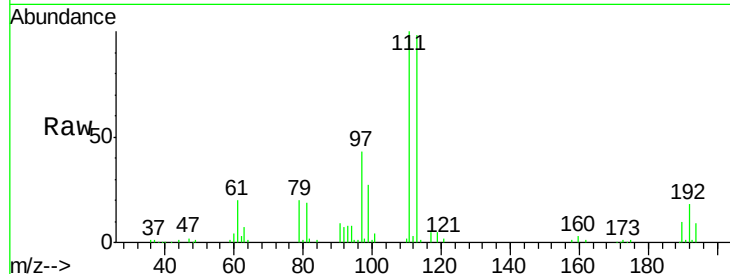
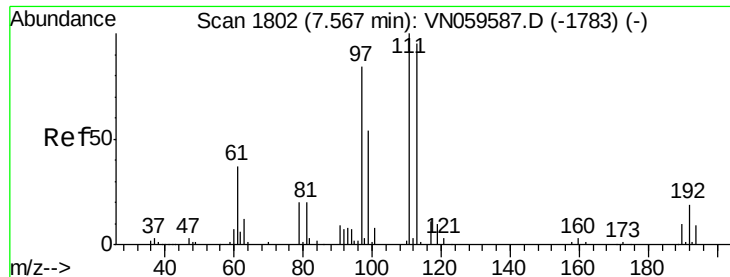
100000

50000

0

Time-->





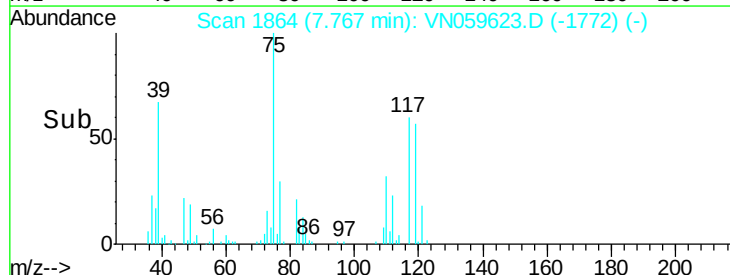
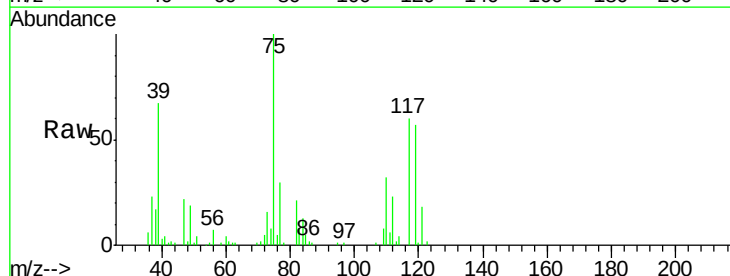
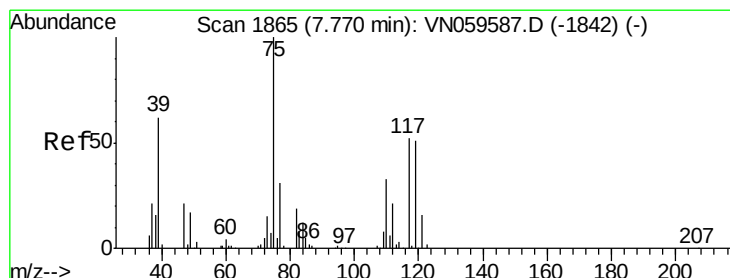
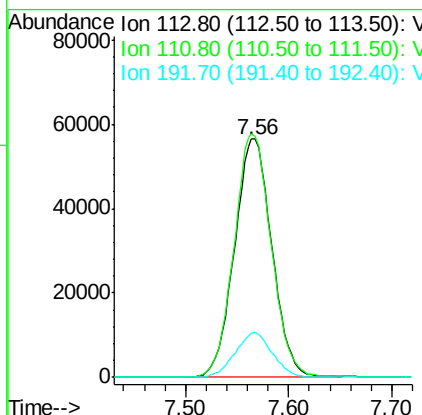
#35
Dibromofluoromethane
Concen: 52.127 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142246		
111	101.5	83.5	125.3	
192	18.5	15.4	23.2	

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

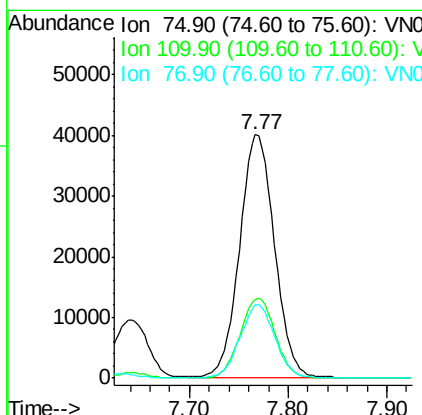
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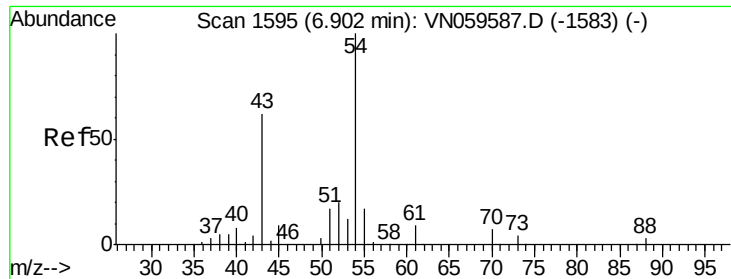
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#36
1,1-Dichloropropene
Concen: 21.656 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98496		
110	32.8	16.6	49.7	
77	30.2	25.1	37.7	





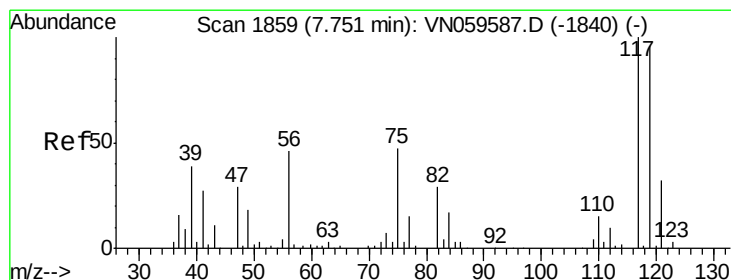
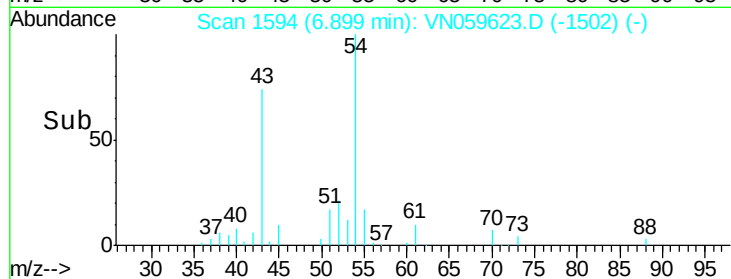
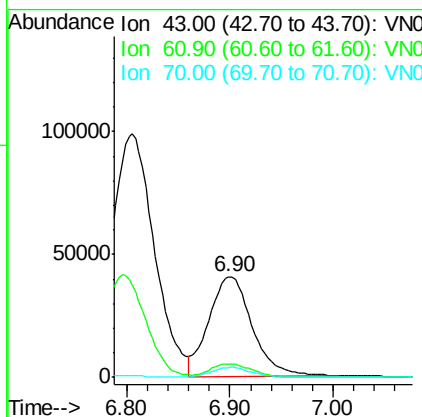
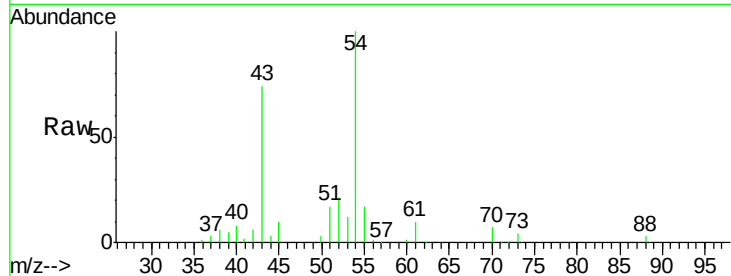
#37
Ethyl Acetate
Concen: 22.469 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.9	16.3
70	9.3	7.7	11.5

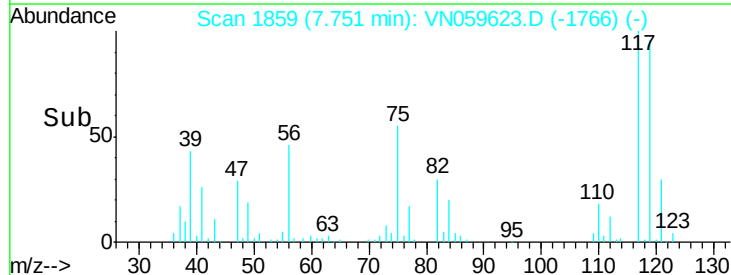
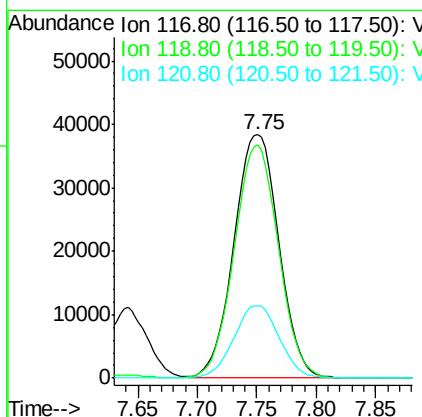
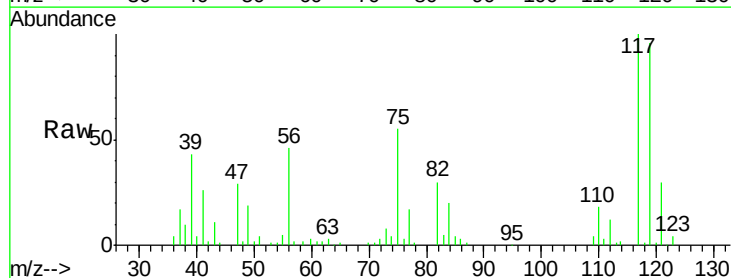
Manual Integrations
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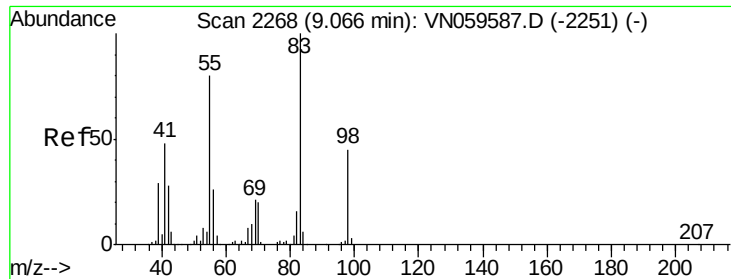
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#38
Carbon Tetrachloride
Concen: 21.302 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.5	114.7
121	29.8	25.1	37.7





#39

Methylvlcyclohexane

Concen: 20.884 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

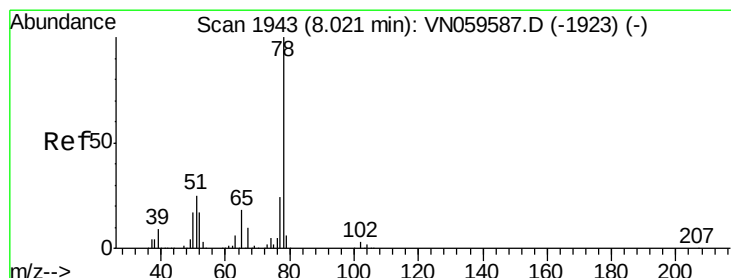
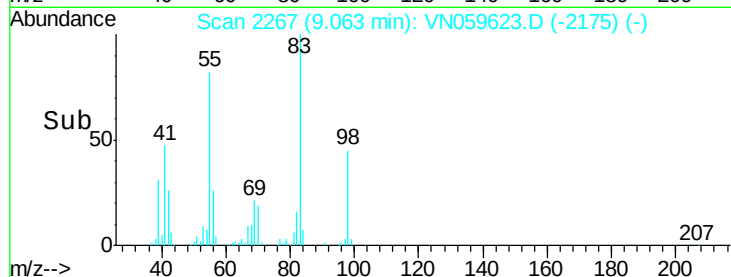
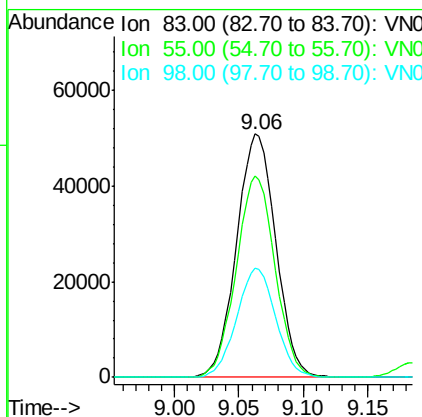
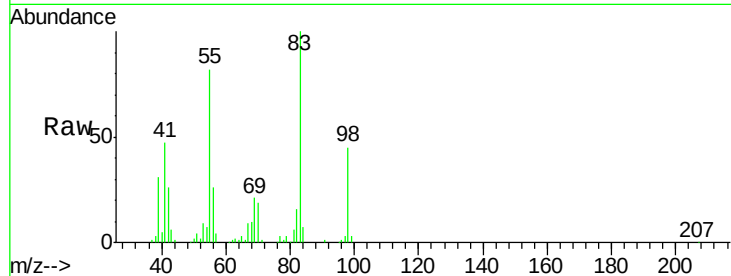
ClientSampleId :

VN1217WBSD01

Tot Ion:	83	Resp:	107740
Ion Ratio	Lower	Upper	
83	100		
55	82.5	64.2	96.2
98	44.9	35.9	53.9

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#40

Benzene

Concen: 21.914 ug/l

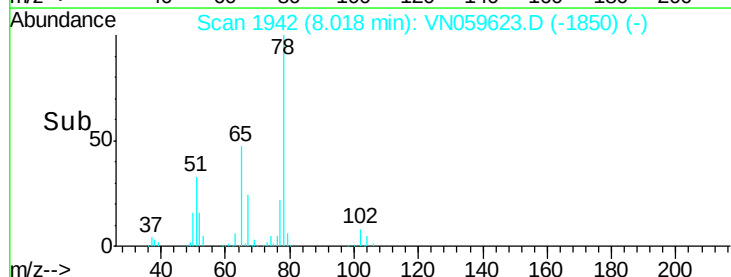
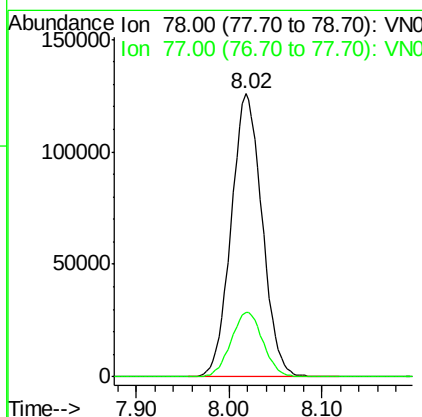
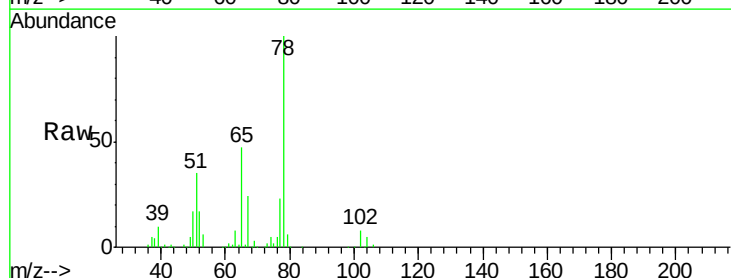
RT: 8.02 min Scan# 1942

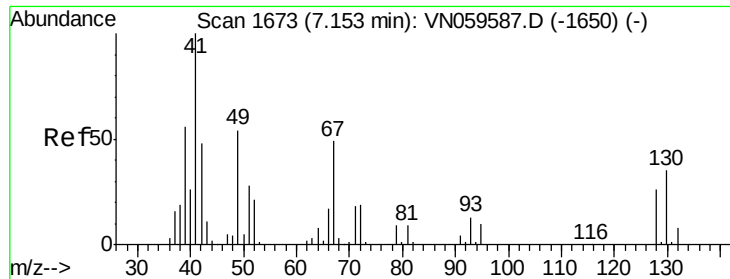
Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	78	Resp:	291280
Ion Ratio	Lower	Upper	
78	100		
77	22.6	18.9	28.3





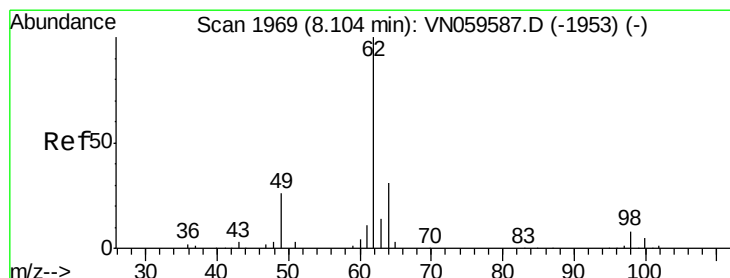
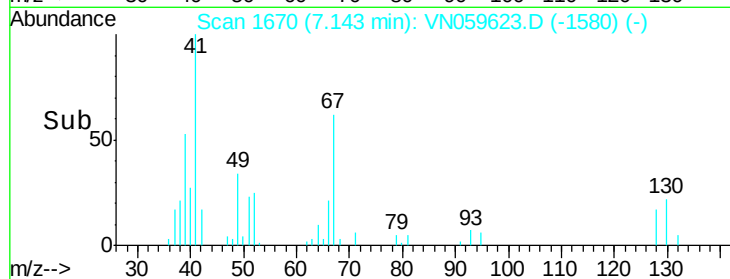
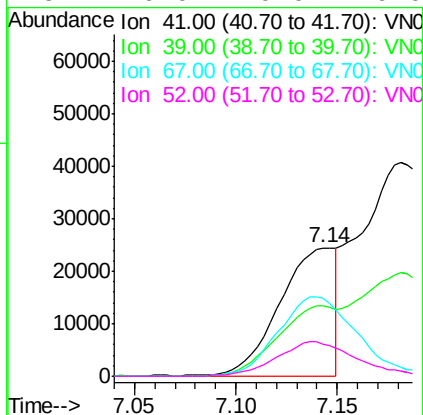
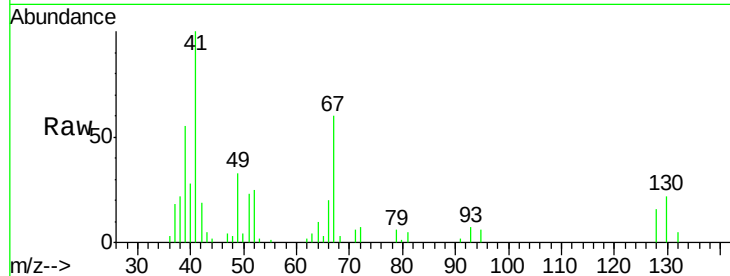
#41
Methacrylonitrile
Concen: 21.742 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	41	Resp	47433
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

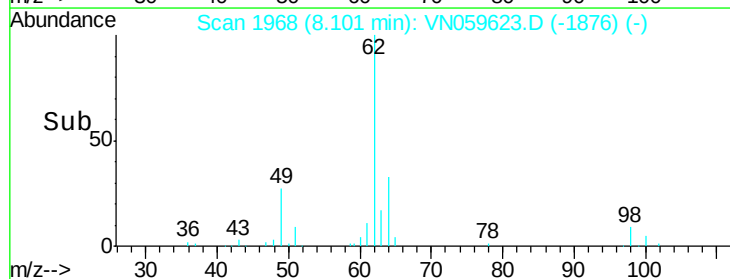
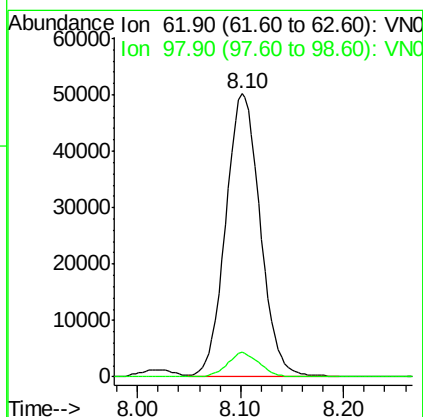
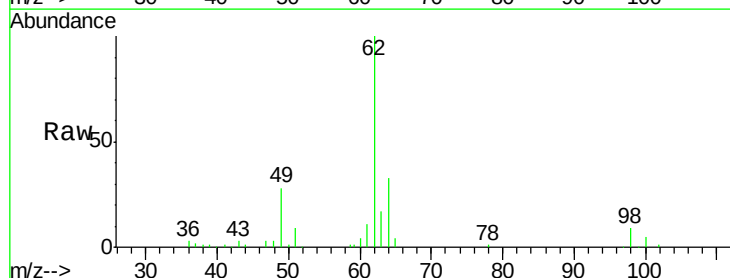
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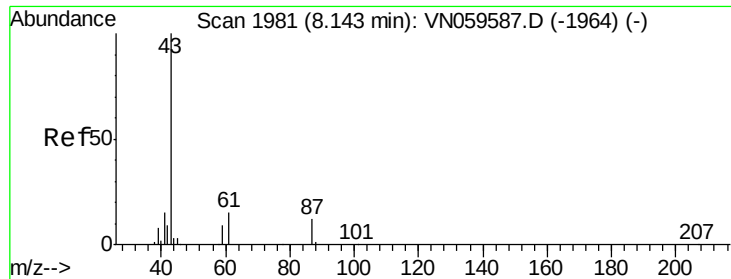
apatel
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#42
1,2-Dichloroethane
Concen: 23.038 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	62	Resp	117269
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	15.8





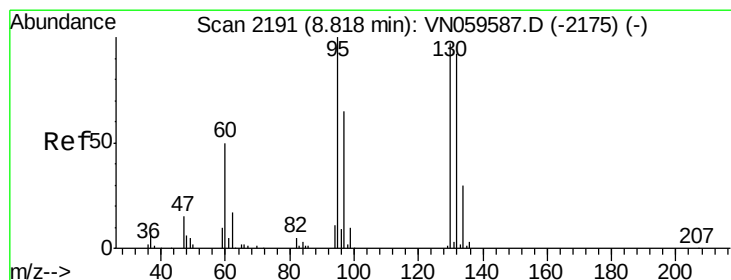
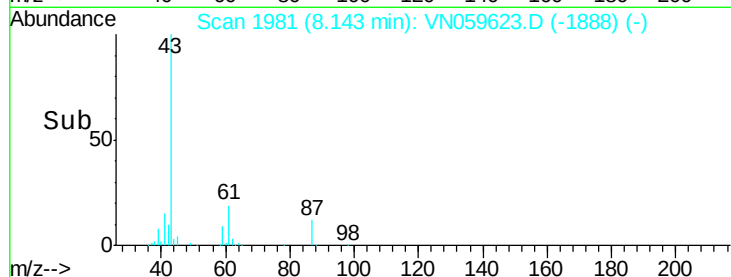
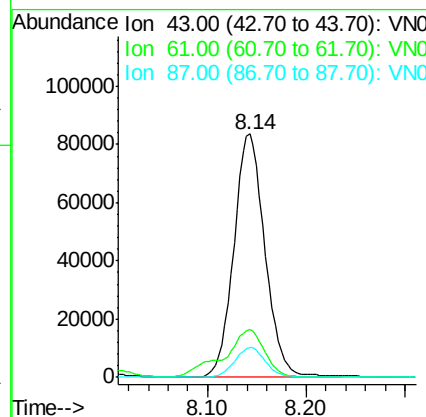
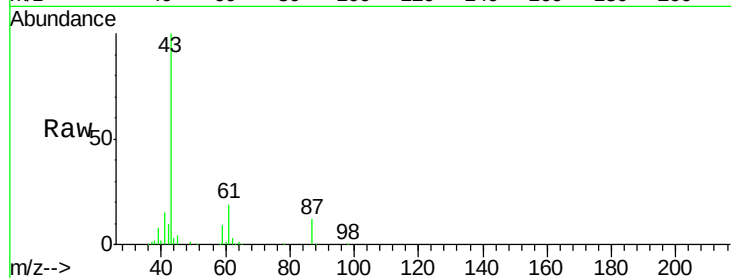
#43
Isopropyl Acetate
Concen: 22.198 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.2	30.2
87	12.1	9.5	14.3

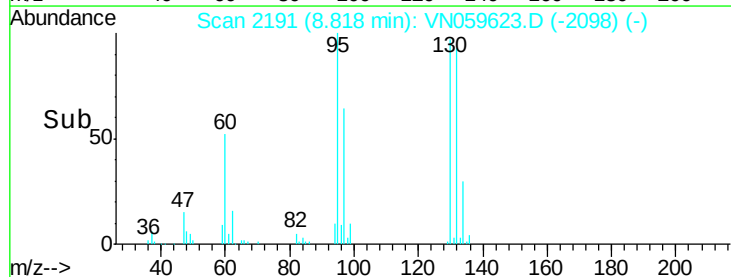
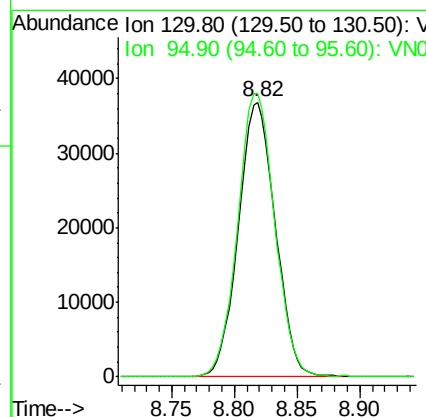
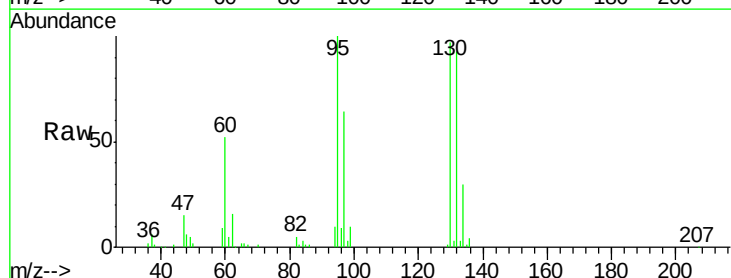
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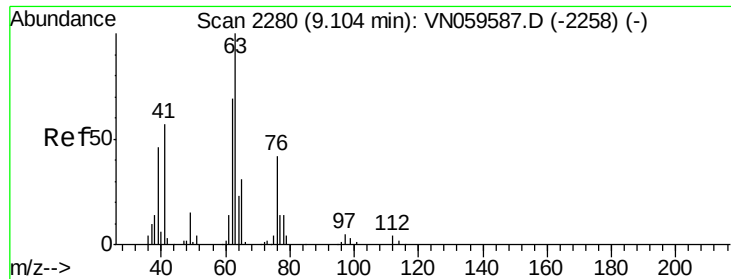
apatel
12/18/2019 10:05:08 AM



#44
Trichloroethene
Concen: 21.627 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	207.0





#45

1,2-Dichloropropane

Concen: 22.363 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 63 Resp: 80268

Ion Ratio Lower Upper

63 100

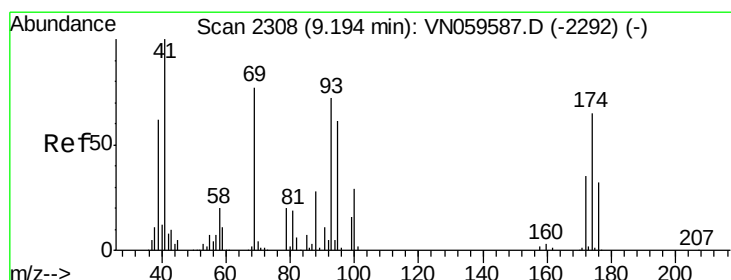
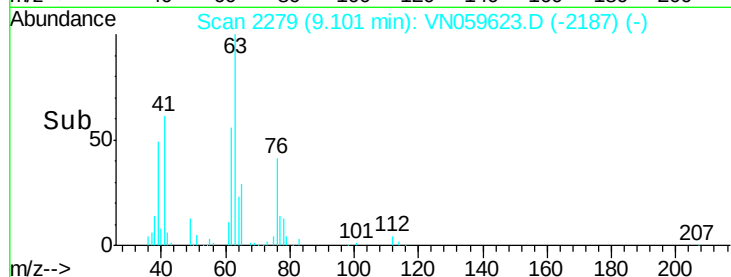
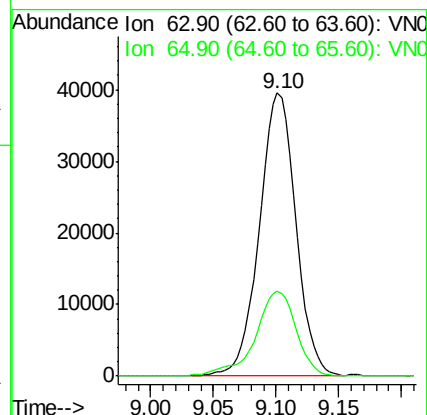
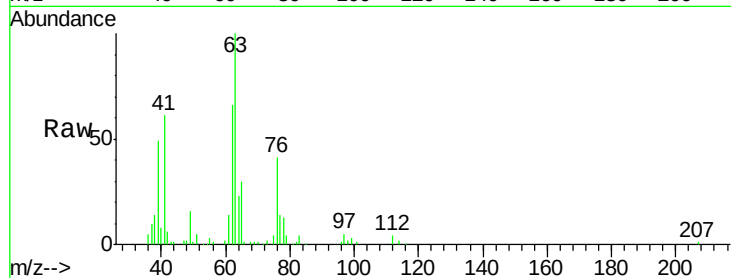
65 30.1 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 22.367 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

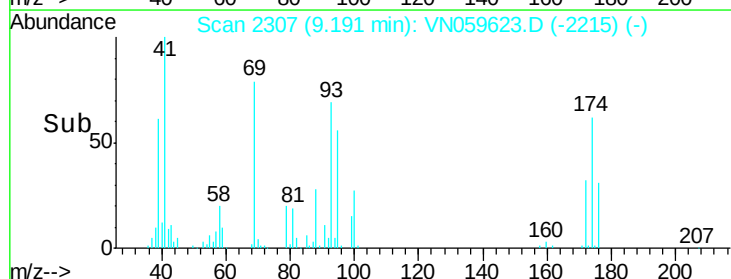
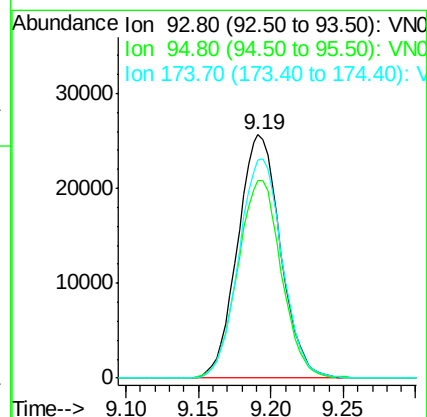
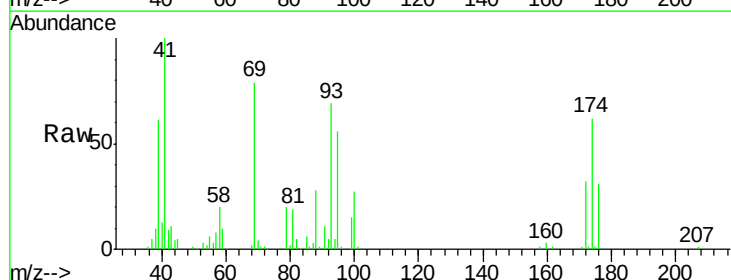
Tgt Ion: 93 Resp: 52597

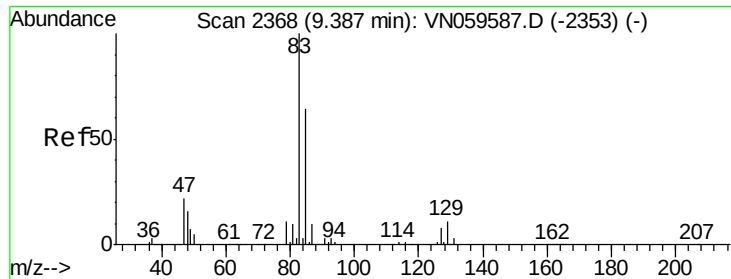
Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.6

174 91.6 73.4 110.2





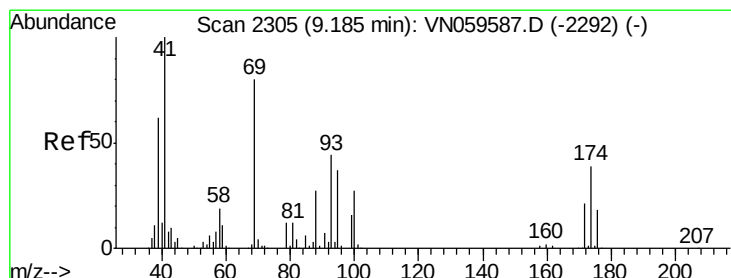
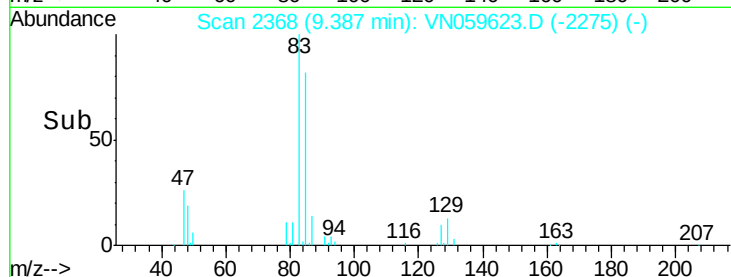
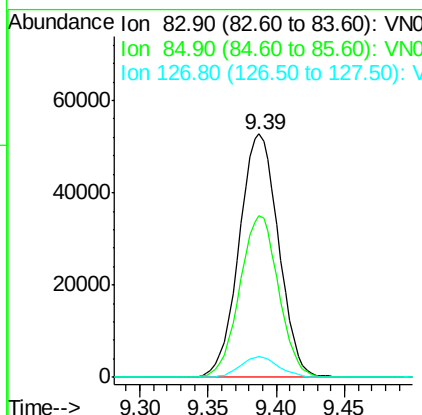
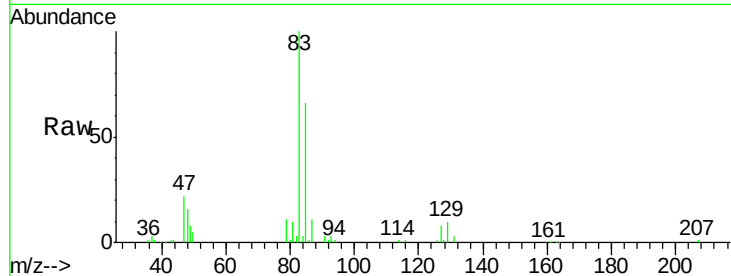
#47
Bromodichloromethane
Concen: 22.539 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	83	Resp	105671
Ion Ratio	100	Lower	Upper
83	100		
85	66.2	51.1	76.7
127	8.4	6.6	9.8

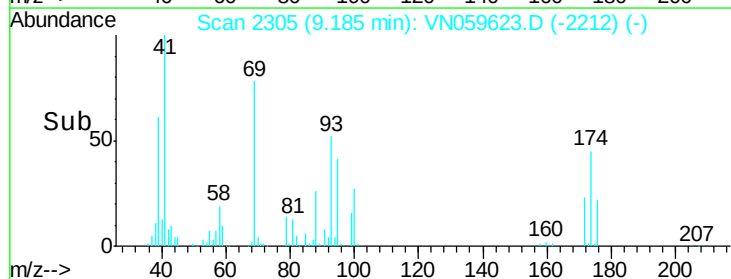
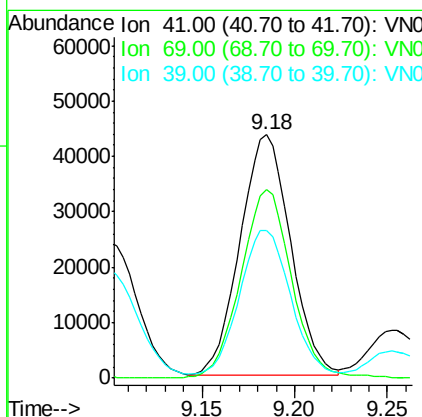
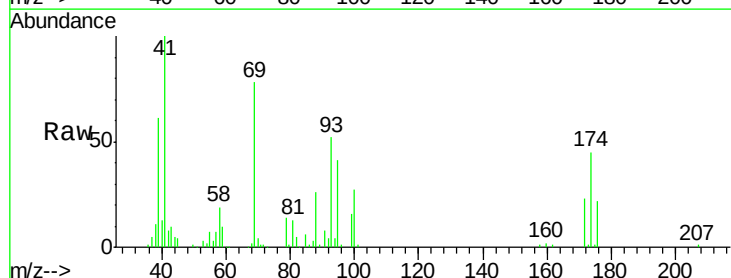
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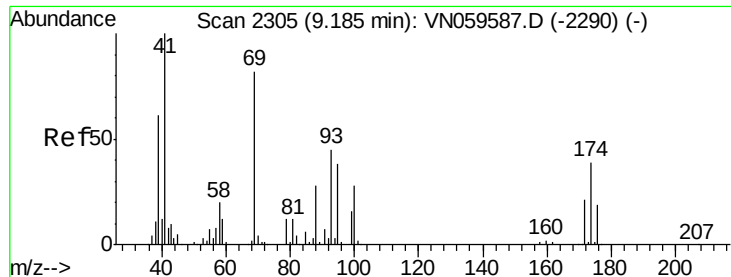
apatel
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#48
Methyl methacrylate
Concen: 21.997 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	41	Resp	82023
Ion Ratio	100	Lower	Upper
41	100		
69	78.9	64.4	96.6
39	62.8	51.3	76.9





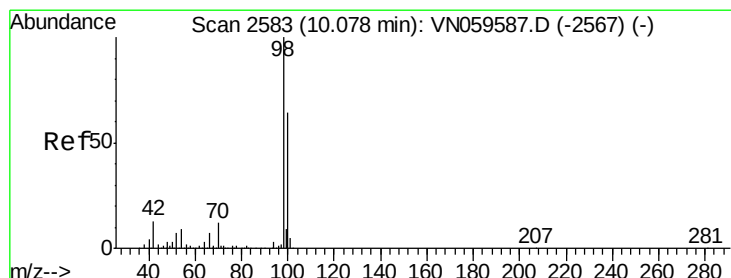
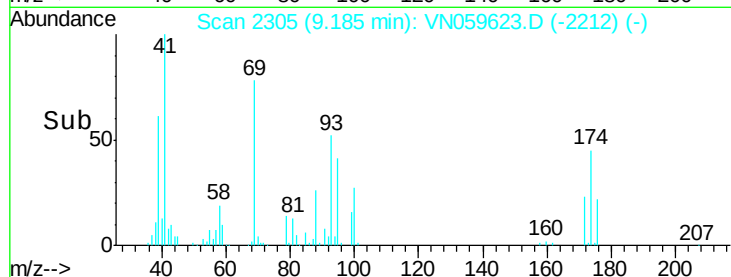
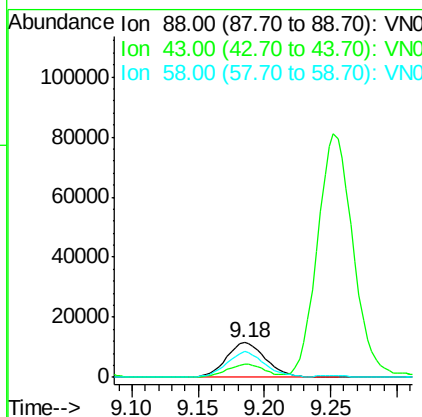
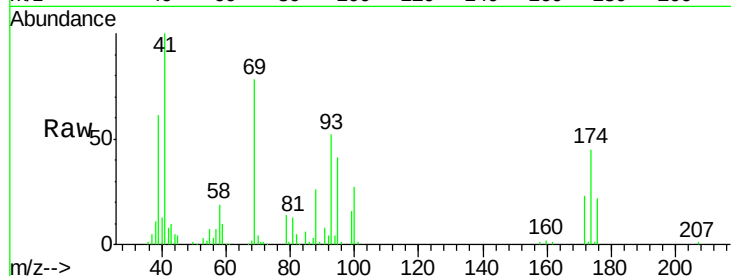
#49
1,4-Dioxane
Concen: 452.352 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.7	44.5
58	71.2	56.6	85.0

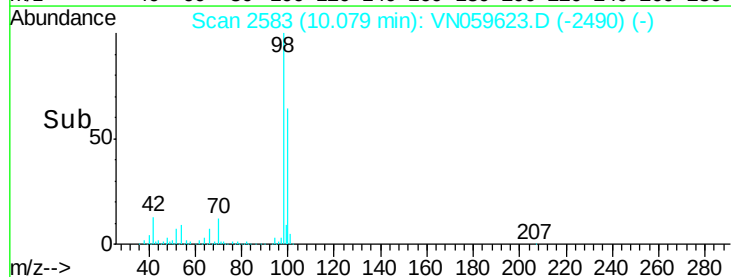
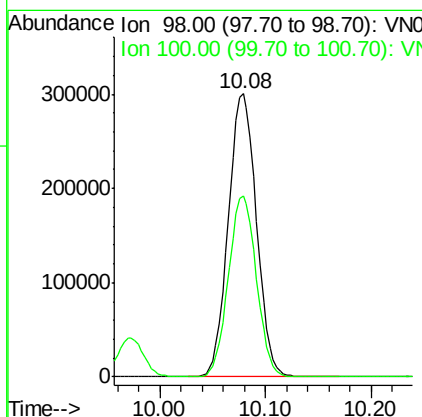
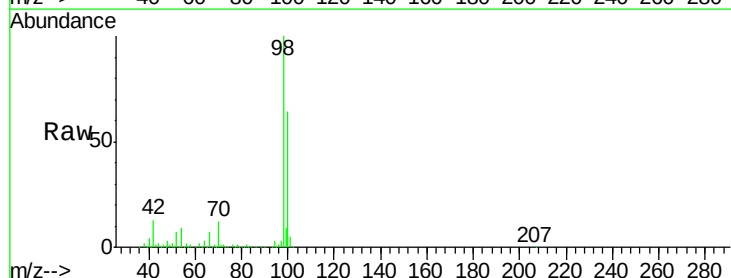
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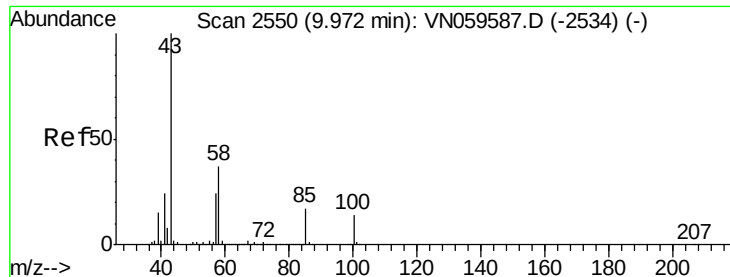
apatel
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#50
Toluene-d8
Concen: 51.304 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 115.904 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 43 Resp: 567952

Ion Ratio Lower Upper

43 100

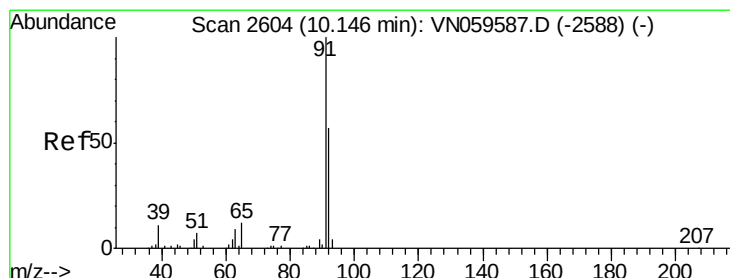
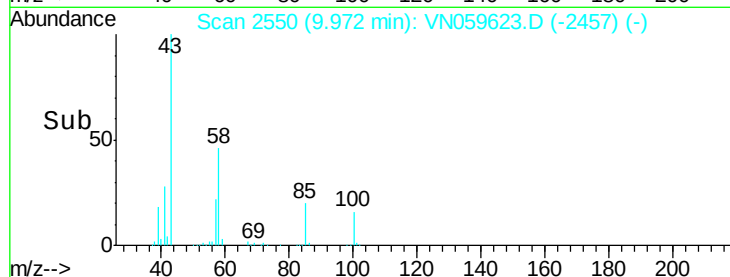
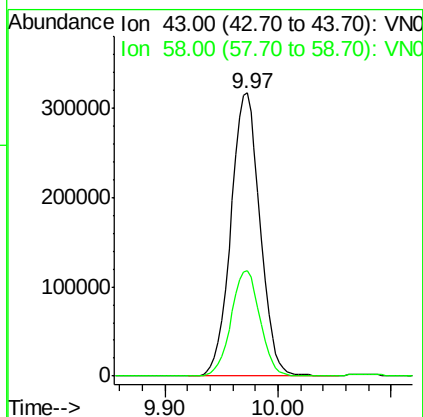
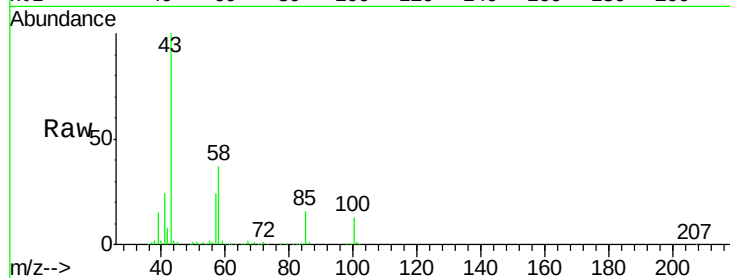
58 37.1 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 21.571 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059623.D

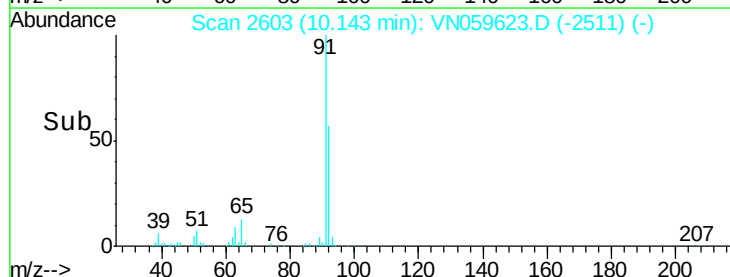
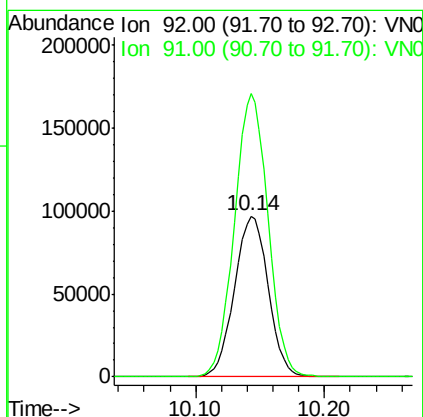
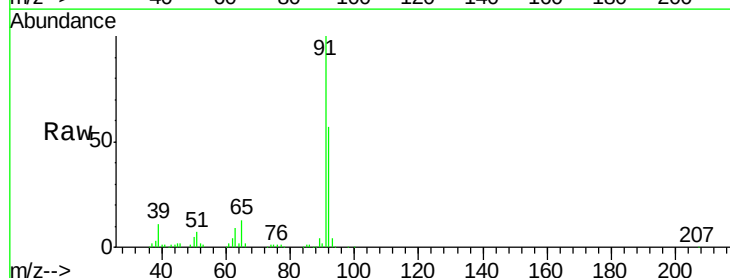
Acq: 17 Dec 2019 14:46

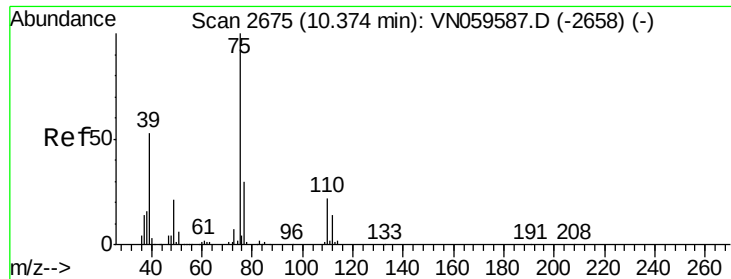
Tgt Ion: 92 Resp: 176172

Ion Ratio Lower Upper

92 100

91 175.4 140.4 210.6





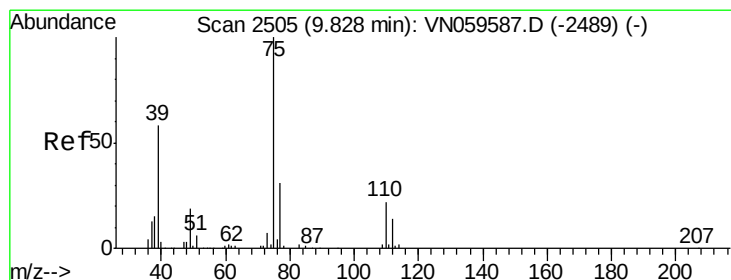
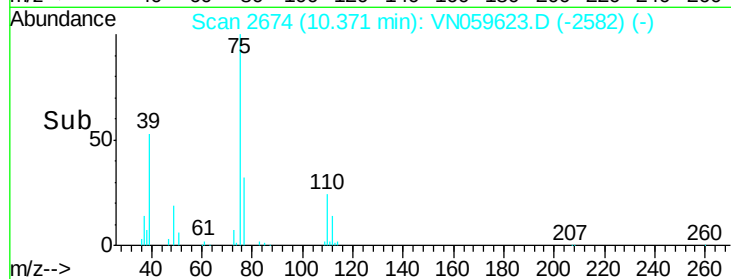
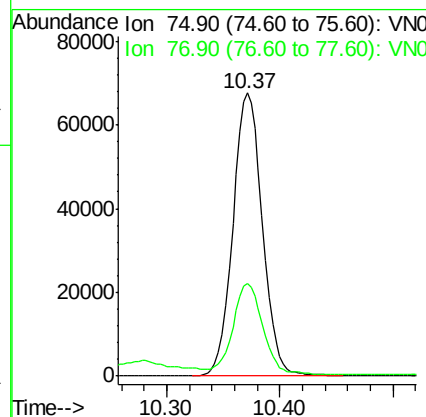
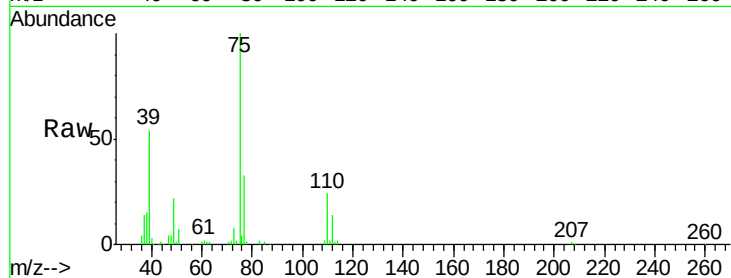
#53
 t-1,3-Dichloropropene
 Concen: 22.558 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

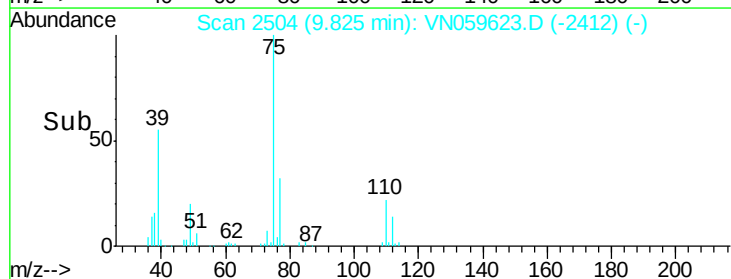
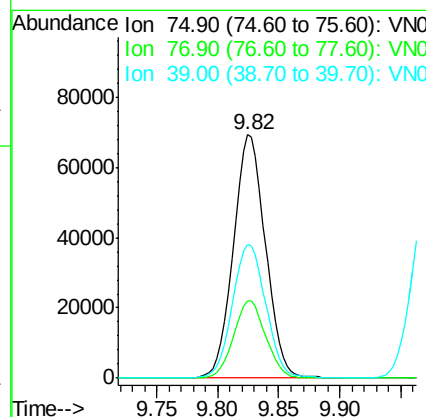
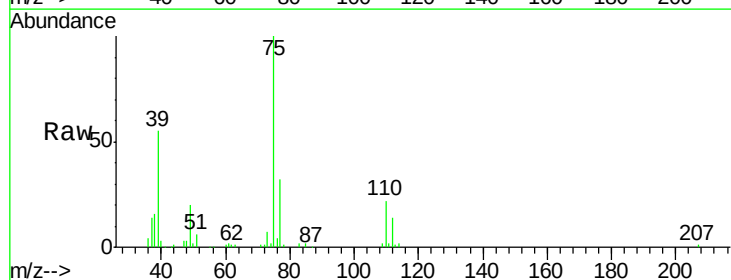
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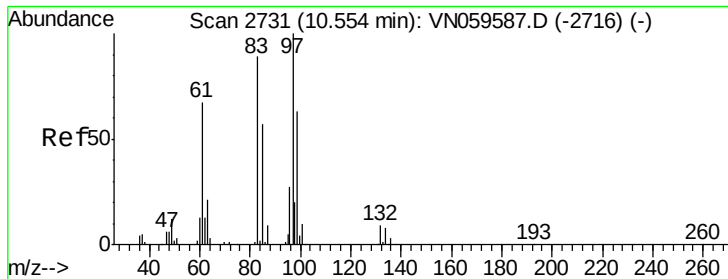
apatel
 12/18/2019 10:05:08 AM



#54
 cis-1,3-Dichloropropene
 Concen: 22.299 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.1	37.7
39	54.9	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 22.684 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 97 Resp: 72696

Ion Ratio Lower Upper

97 100

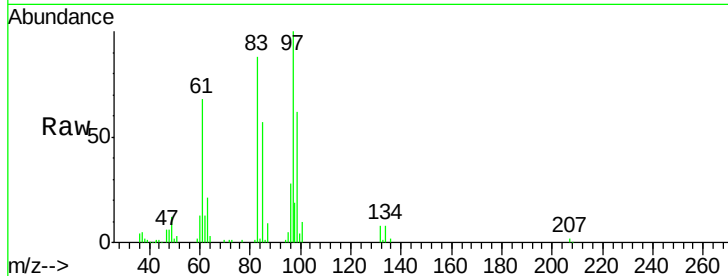
83 88.2 71.3 106.9

85 57.5 45.8 68.8

99 62.4 50.0 75.0

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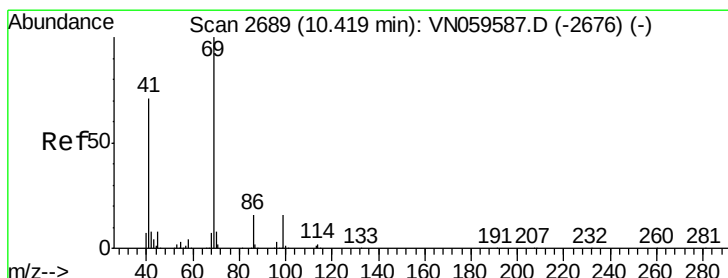
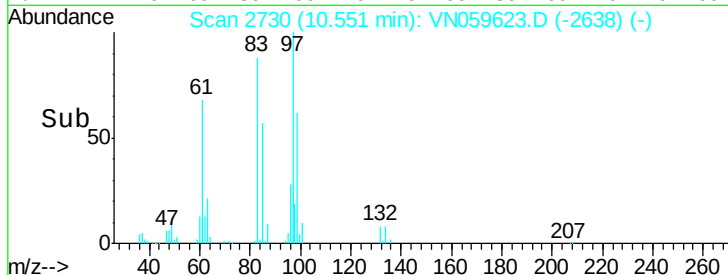
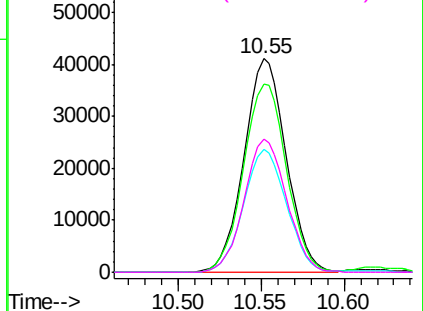


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 22.222 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

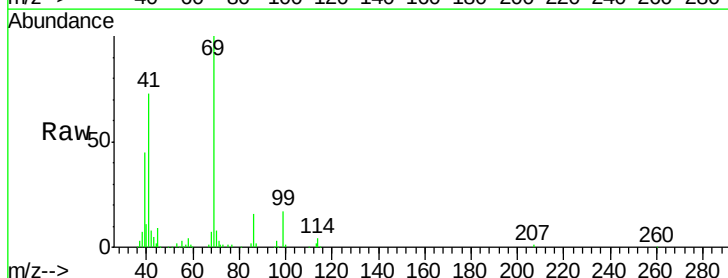
Tgt Ion: 69 Resp: 105724

Ion Ratio Lower Upper

69 100

41 72.5 57.1 85.7

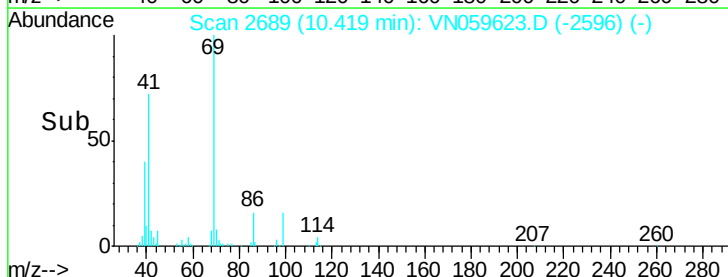
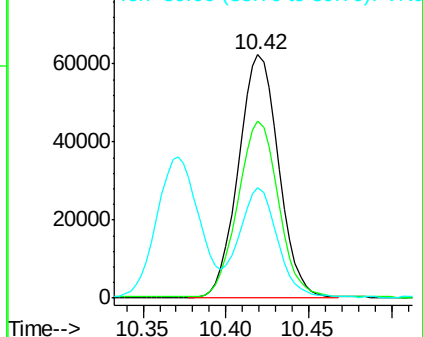
39 42.9 34.7 52.1

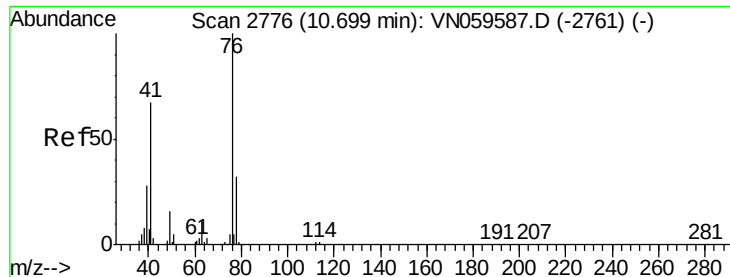


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





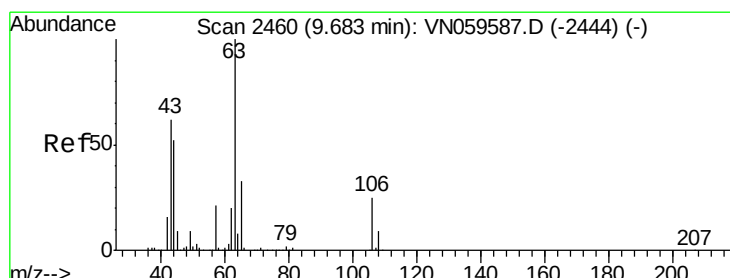
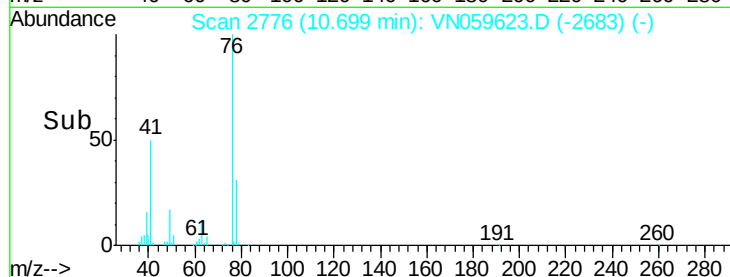
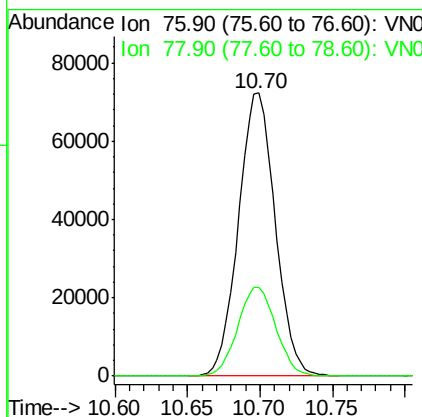
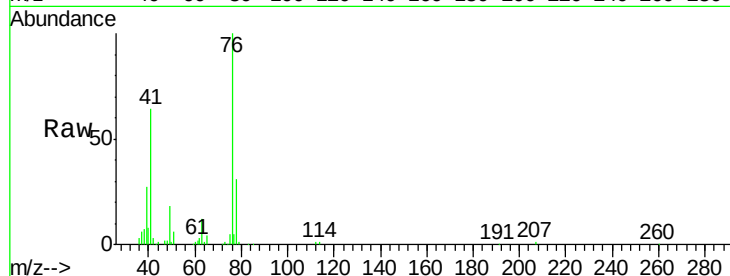
#57
 1,3-Dichloropropane
 Concen: 22.910 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

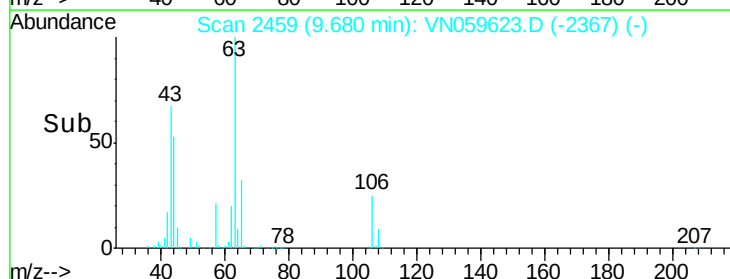
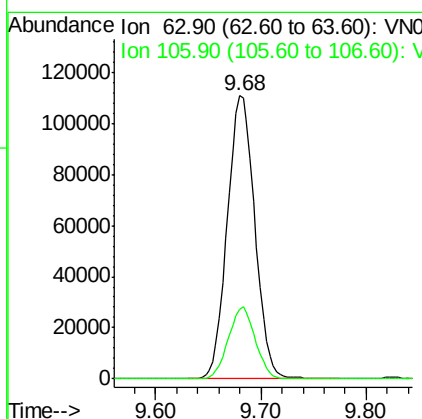
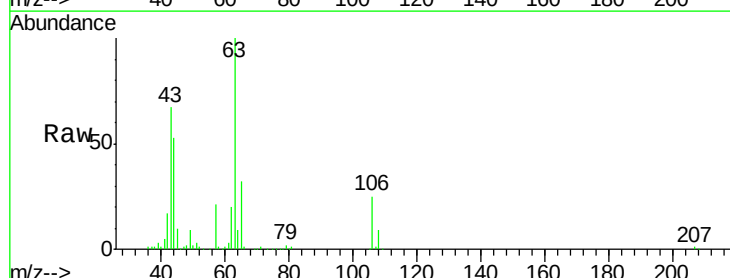
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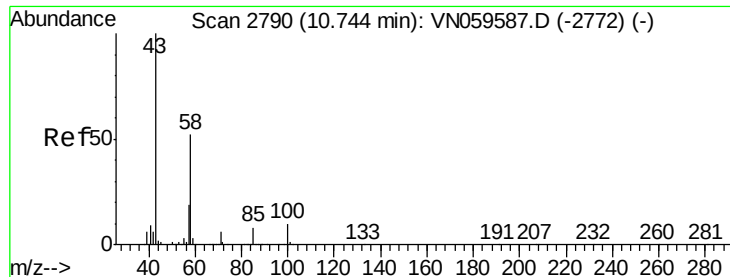
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 132.271 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.2	30.2





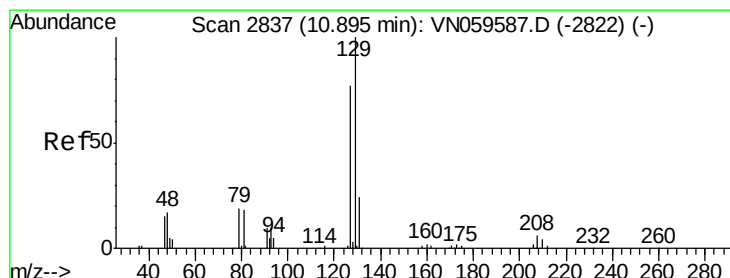
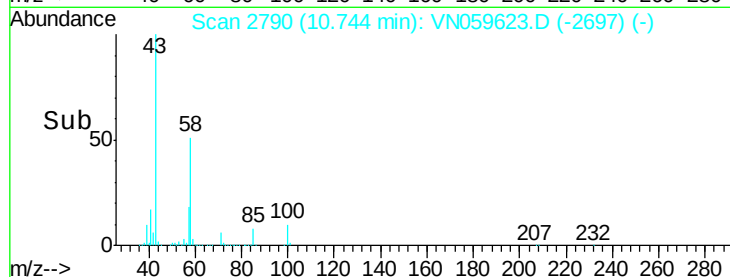
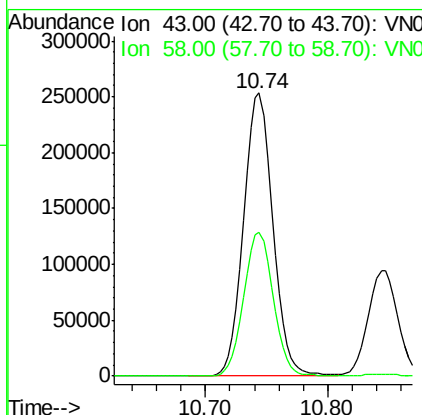
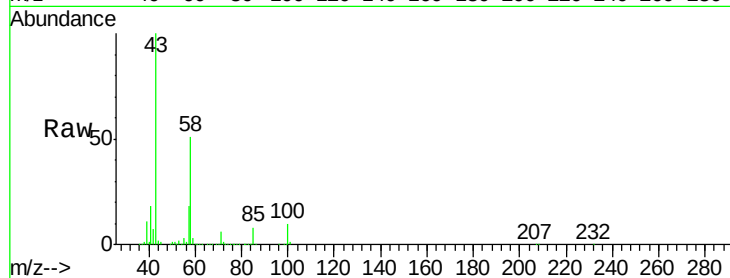
#59
2-Hexanone
Concen: 107.992 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.8	77.3

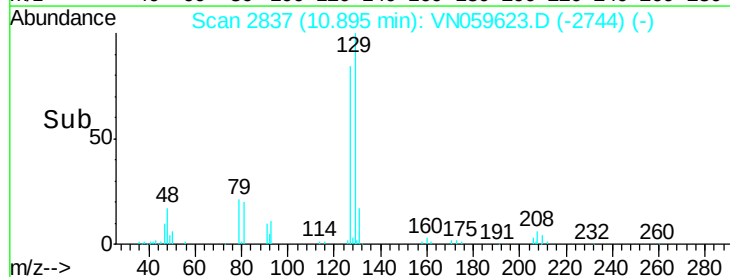
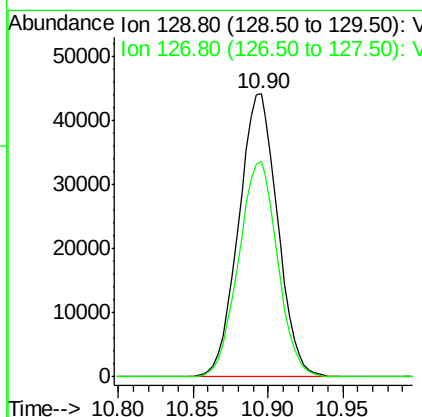
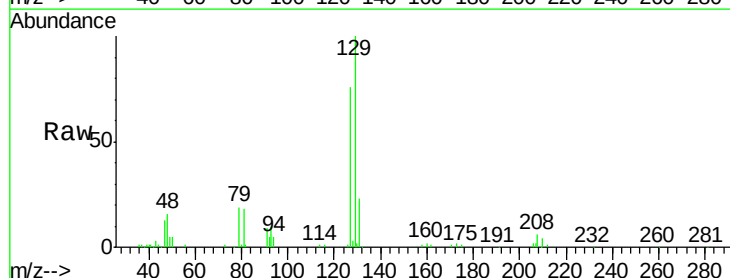
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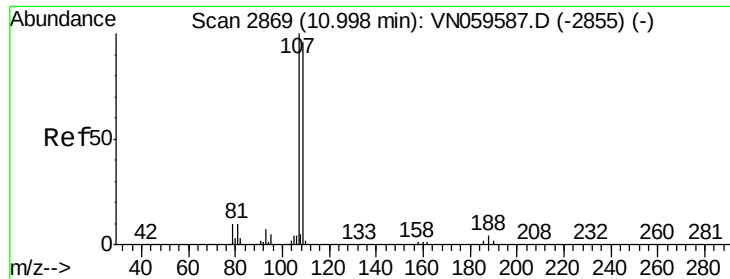
apatel
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#60
Dibromochloromethane
Concen: 22.838 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.5	115.5





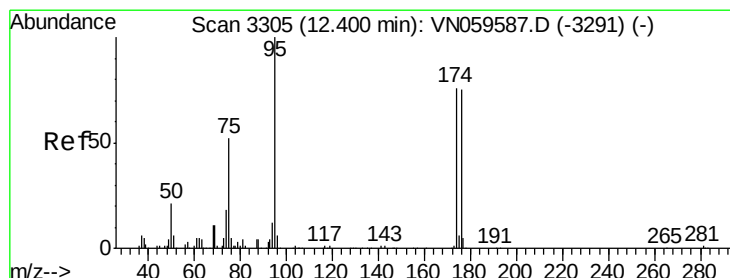
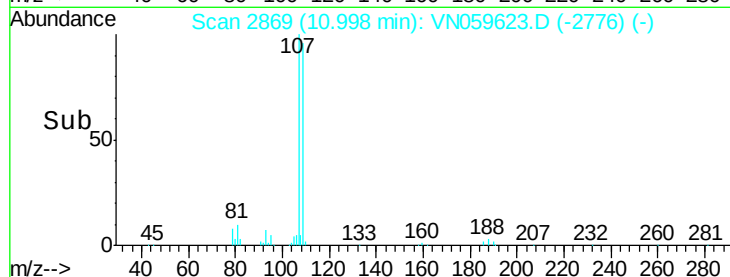
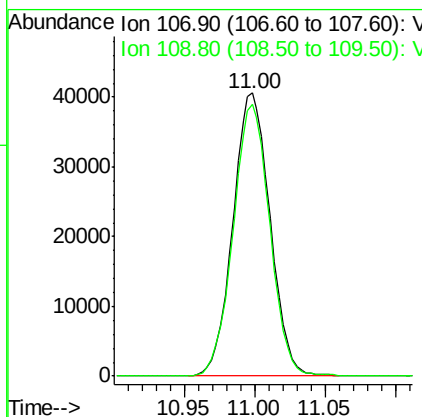
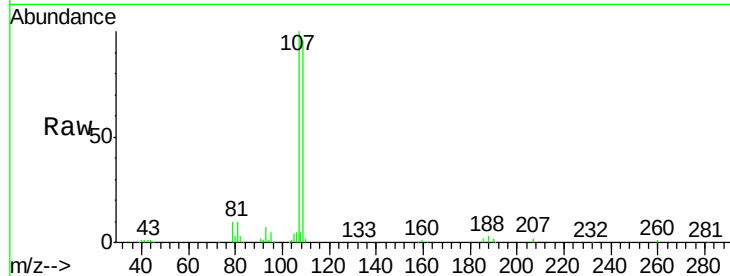
#61
 1,2-Dibromoethane
 Concen: 21.995 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion: 107 Resp: 74754
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 115.0

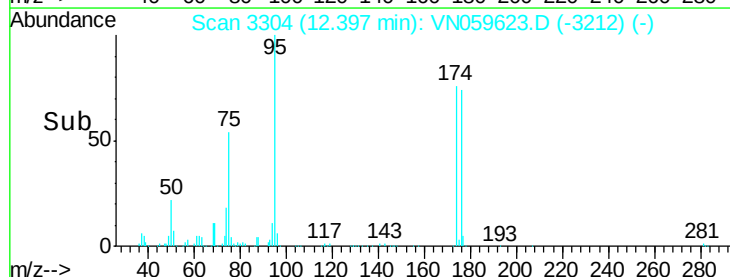
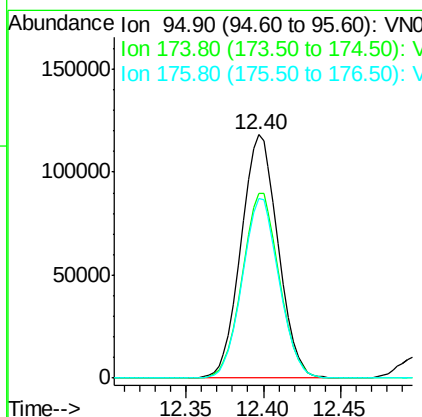
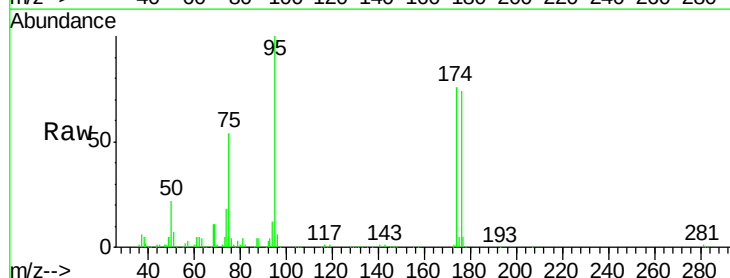
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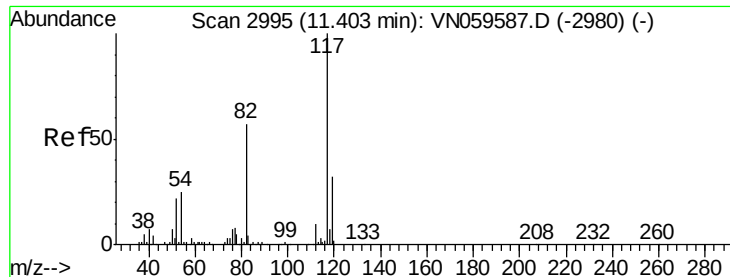
apatel
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#62
 4-Bromofluorobenzene
 Concen: 49.889 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion: 95 Resp: 196674
 Ion Ratio Lower Upper
 95 100
 174 76.0 0.0 151.4
 176 73.6 0.0 146.0





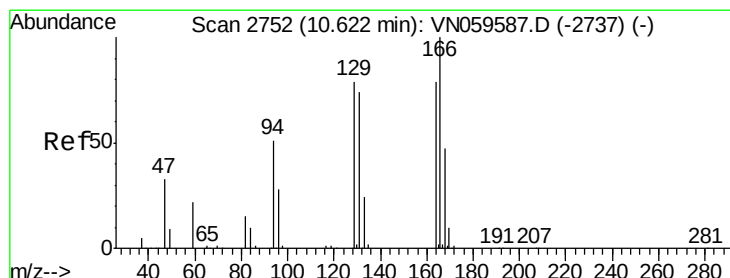
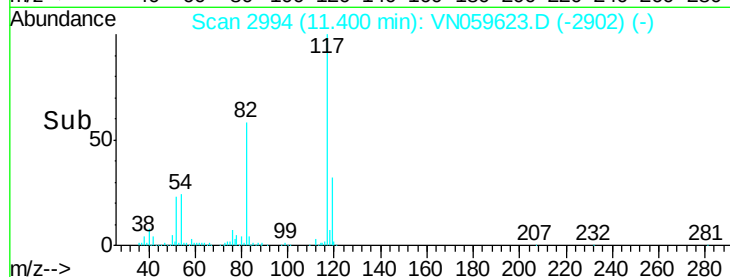
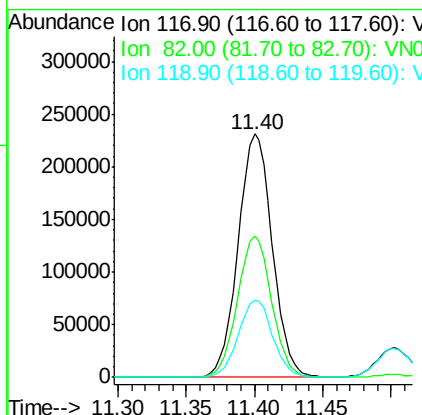
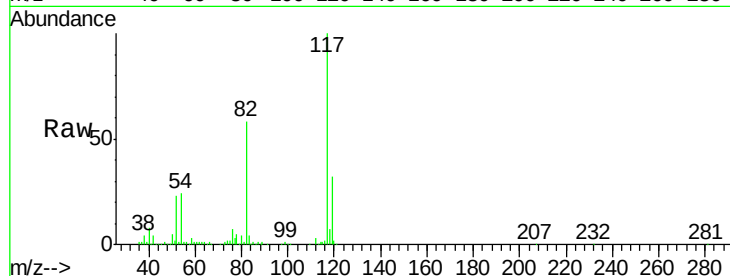
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.9	68.9
119	31.9	25.5	38.3

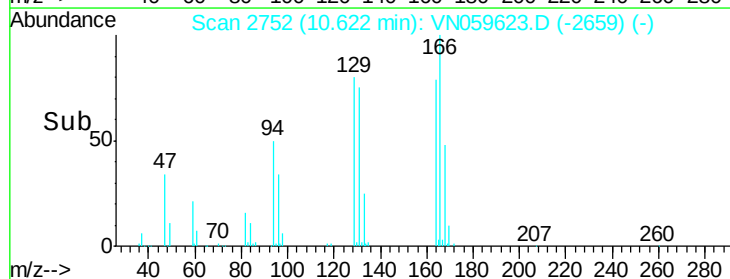
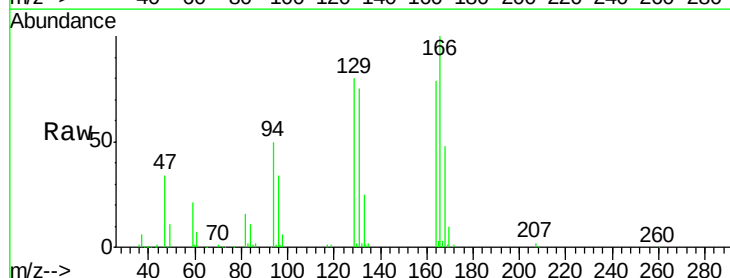
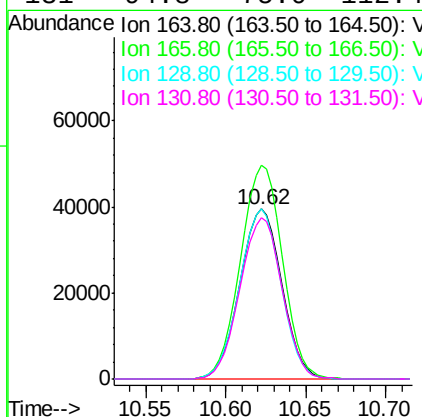
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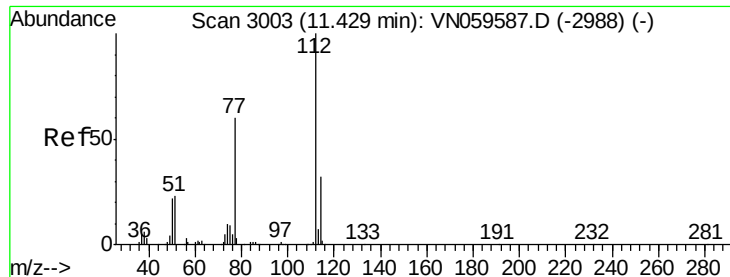
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#64
Tetrachloroethene
Concen: 18.866 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	101.4	152.0
129	100.6	80.2	120.4
131	94.8	75.0	112.4





#65

Chlorobenzene

Concen: 21.435 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion:112 Resp: 186248

Ion Ratio Lower Upper

112 100

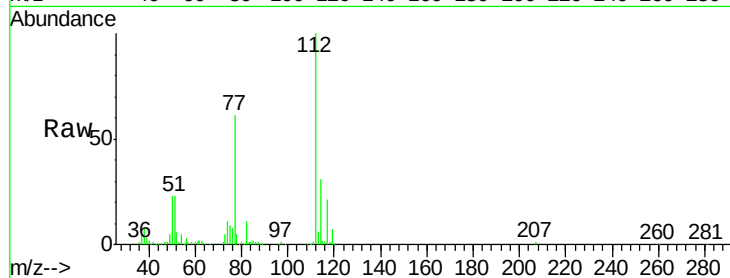
114 31.5 25.8 38.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

120000

100000

80000

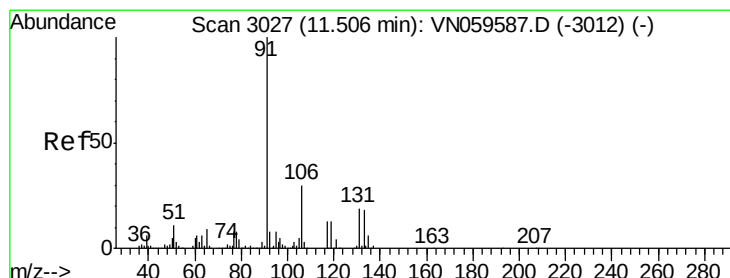
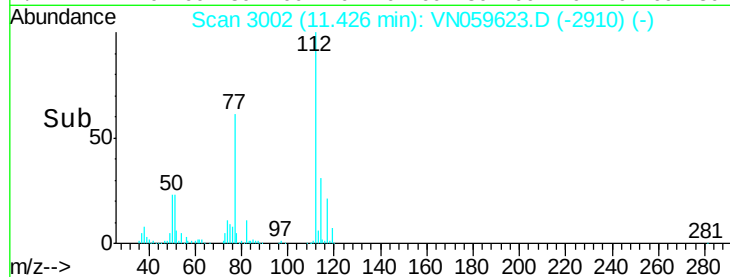
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.021 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

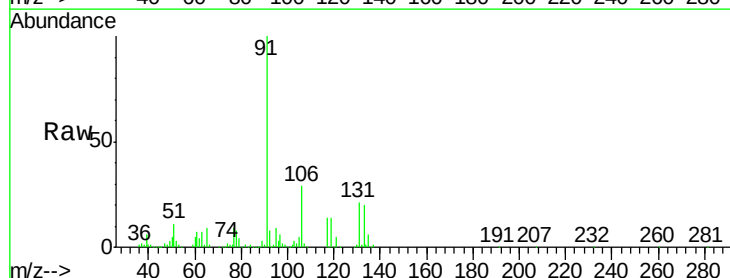
Tgt Ion:131 Resp: 72677

Ion Ratio Lower Upper

131 100

133 95.9 47.4 142.2

119 66.9 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

50000

40000

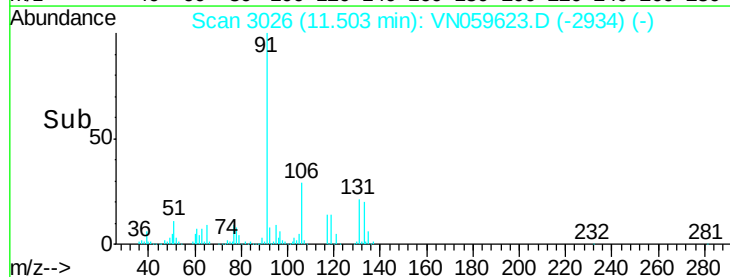
30000

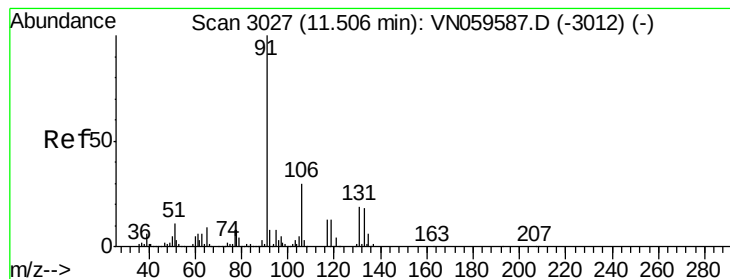
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 21.459 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 91 Resp: 336567

Ion Ratio Lower Upper

91 100

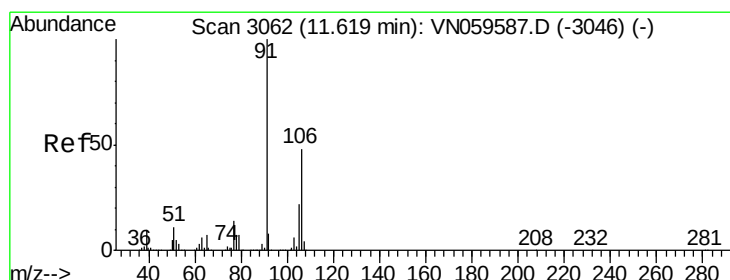
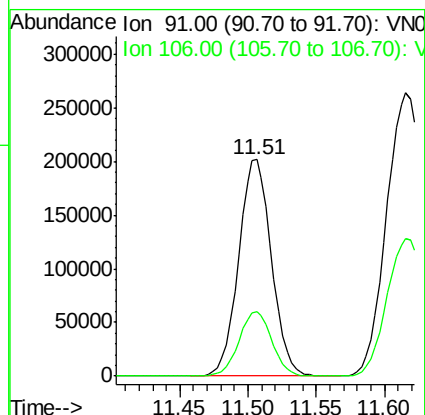
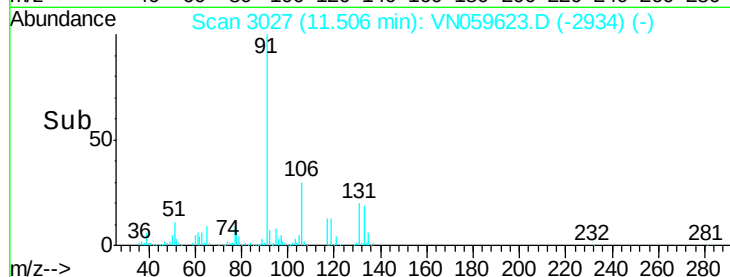
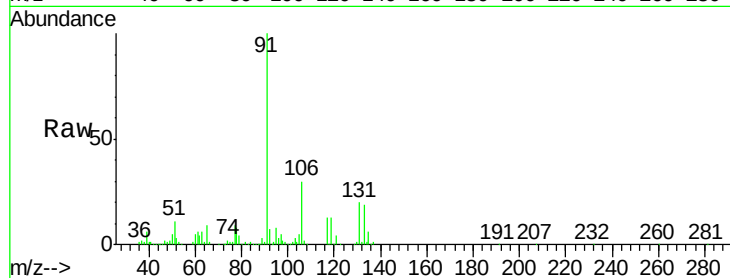
106 29.7 24.1 36.1

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#68

m/p-Xylenes

Concen: 42.804 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059623.D

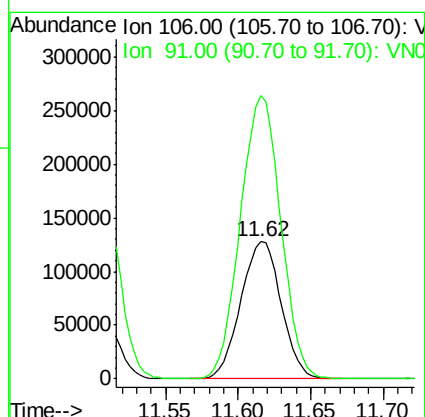
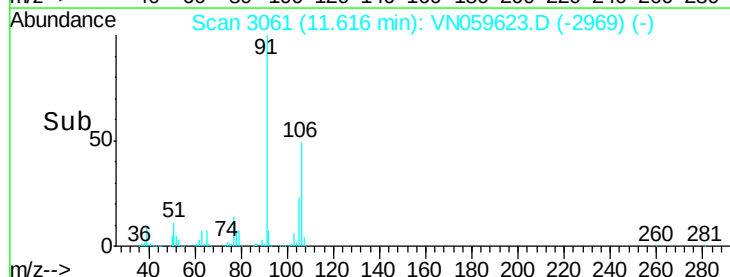
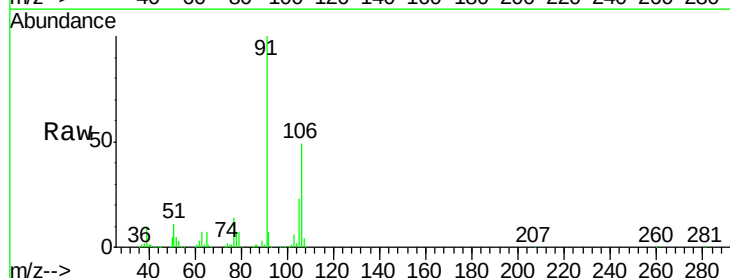
Acq: 17 Dec 2019 14:46

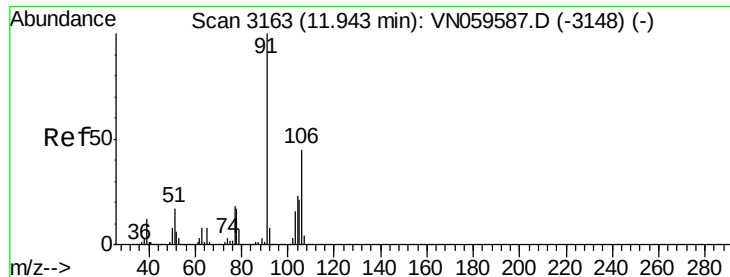
Tgt Ion: 106 Resp: 247906

Ion Ratio Lower Upper

106 100

91 206.3 167.9 251.9





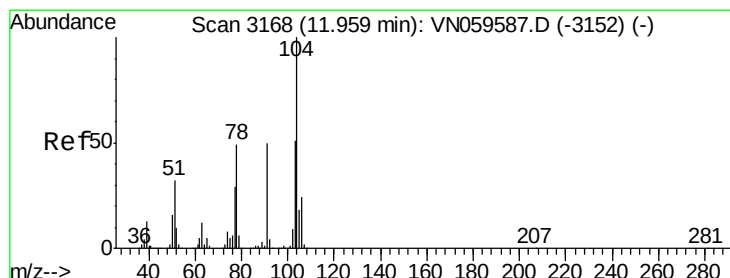
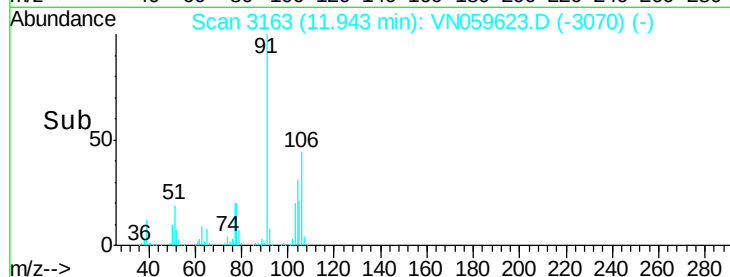
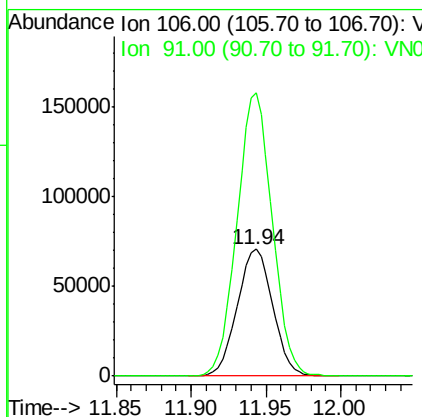
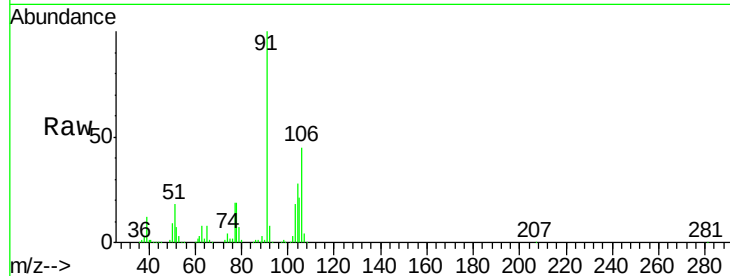
#69
o-Xylene
Concen: 21.307 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		117416		
91	220.6	110.3	330.9		

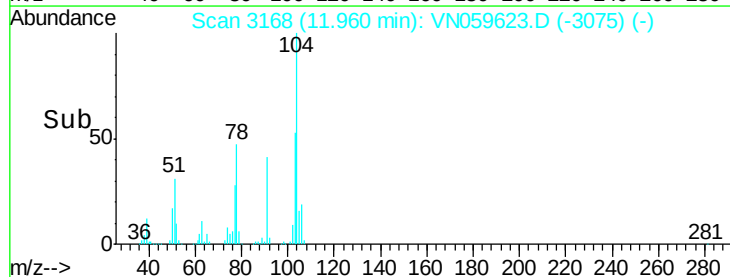
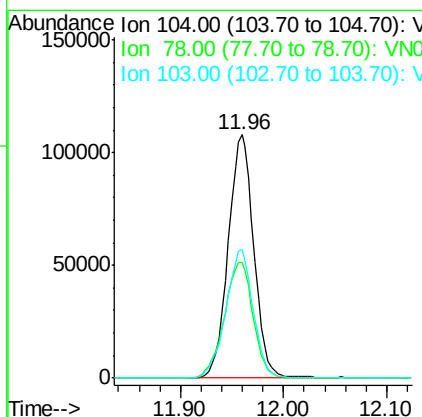
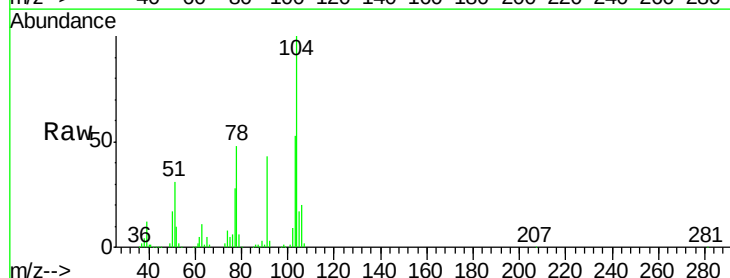
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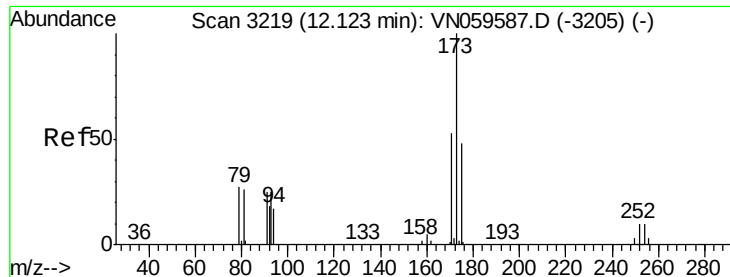
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#70
Styrene
Concen: 21.084 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		186678		
78	53.4	42.4	63.6		
103	56.3	43.9	65.9		





#71

Bromoform

Concen: 22.571 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

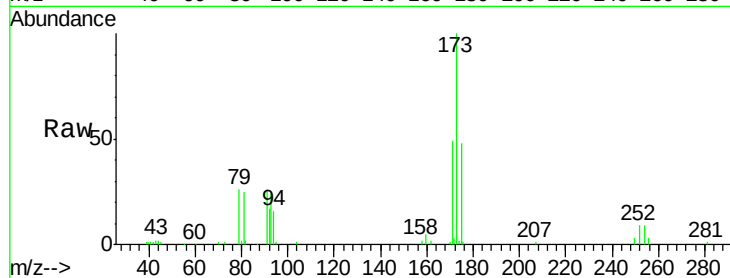
ClientSampleId :

VN1217WBSD01

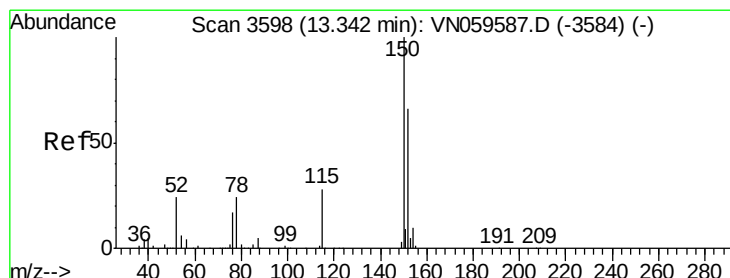
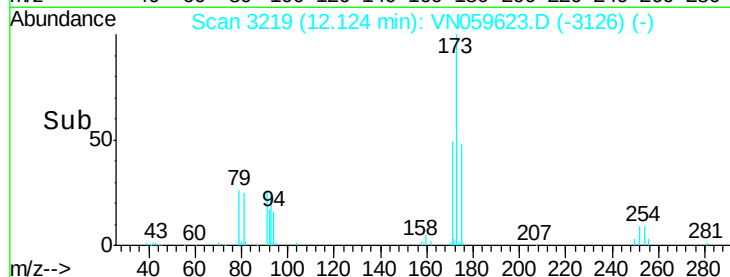
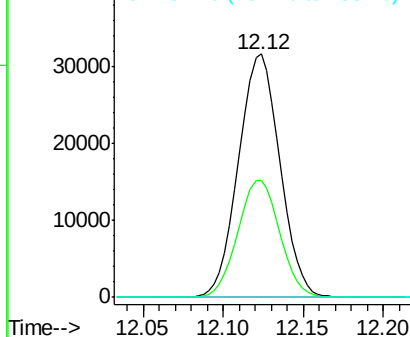
Tot Ion:	173	Resp:	55997
Ion Ratio	Lower	Upper	
173	100		
175	48.2	23.8	71.4
254	0.0	0.0	0.0

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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

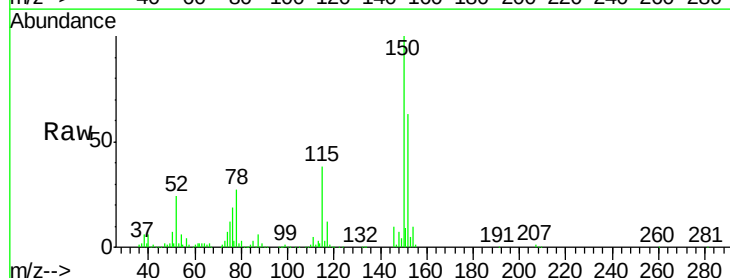
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

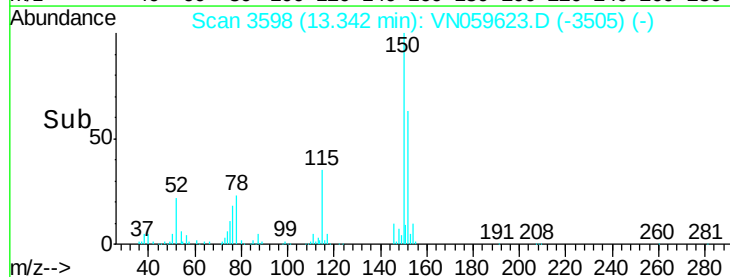
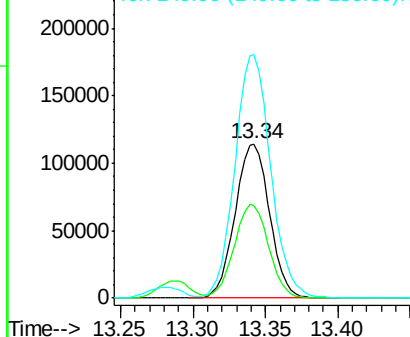
Lab File: VN059623.D

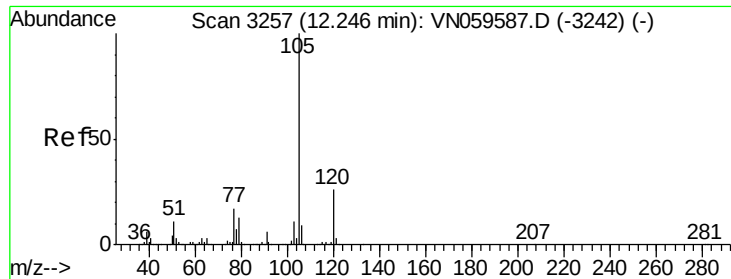
Acq: 17 Dec 2019 14:46

Tgt Ion:	152	Resp:	187876
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.3	90.9
150	164.4	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: 21.176 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion:105 Resp: 312312

Ion Ratio Lower Upper

105 100

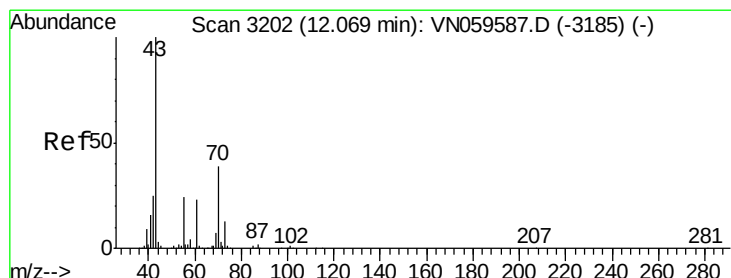
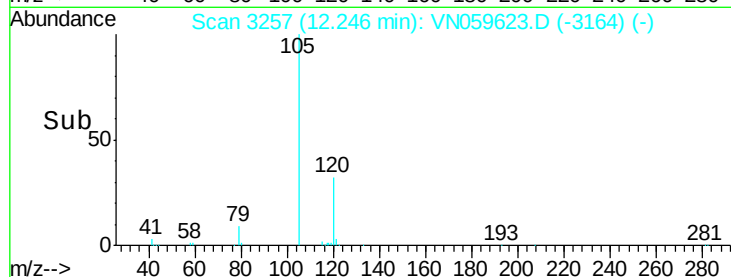
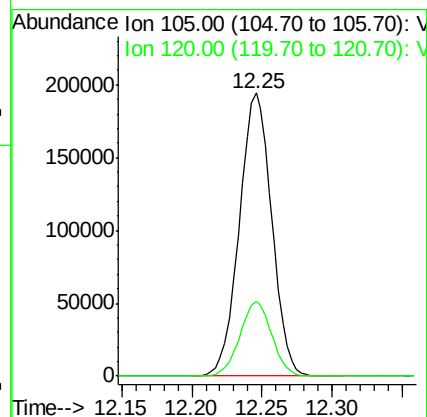
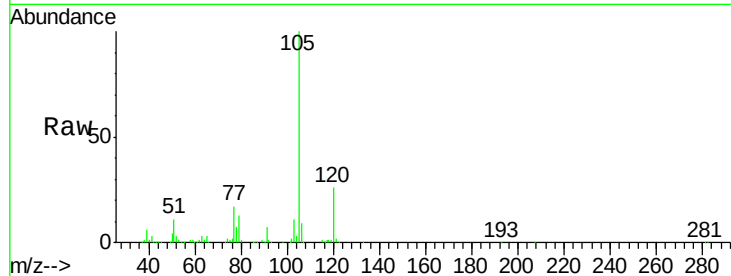
120 26.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 21.675 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion: 43 Resp: 146637

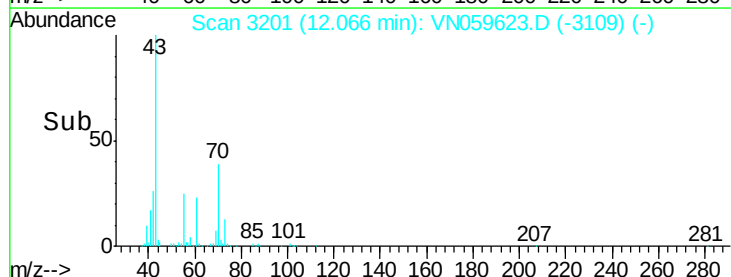
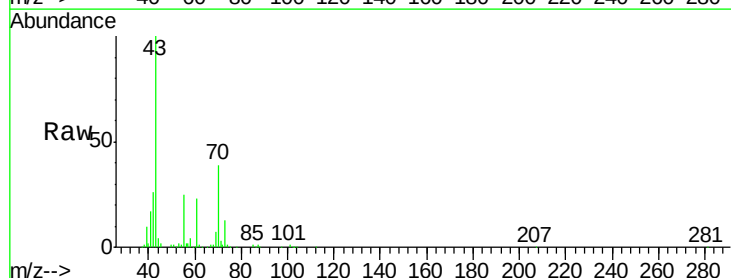
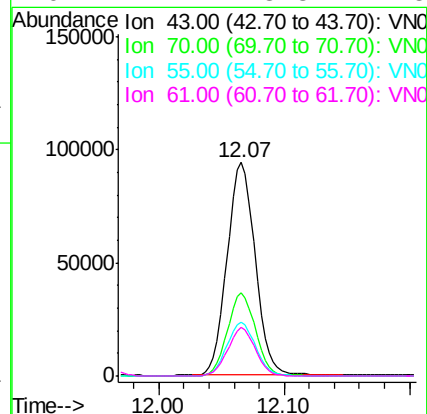
Ion Ratio Lower Upper

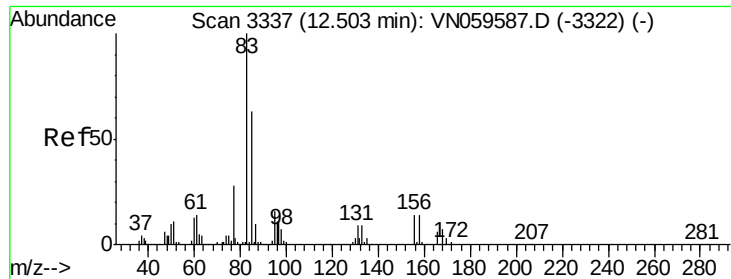
43 100

70 39.0 31.3 46.9

55 25.7 19.8 29.6

61 22.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.003 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

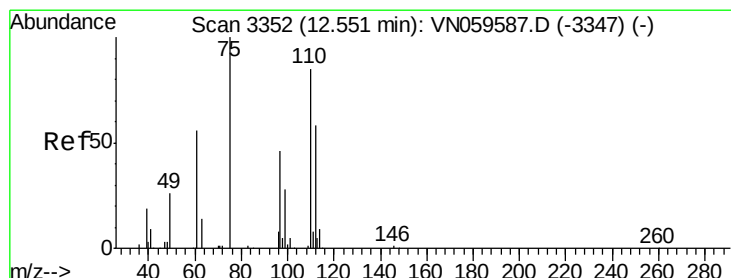
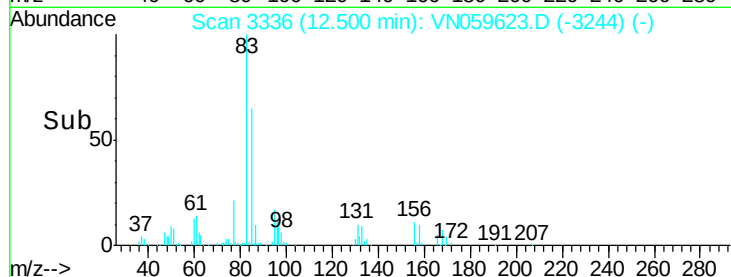
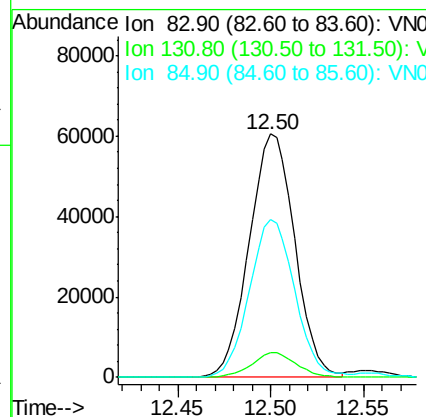
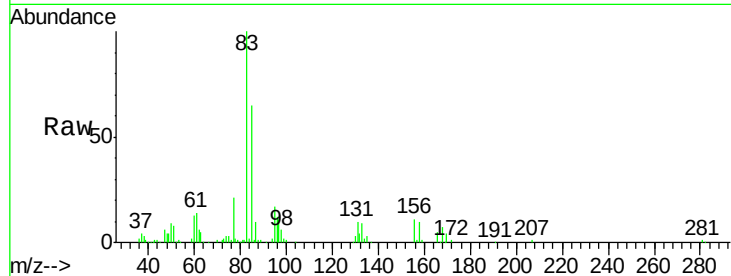
ClientSampleId :

VN1217WBSD01

Tot Ion:	83	Resp:	102937
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	14.9
85	64.8	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 21.219 ug/l m

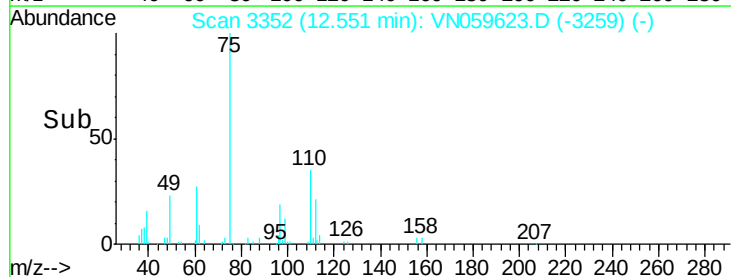
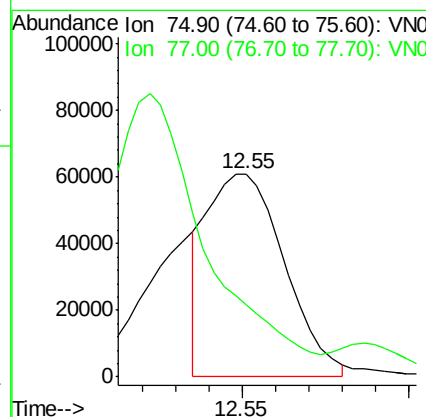
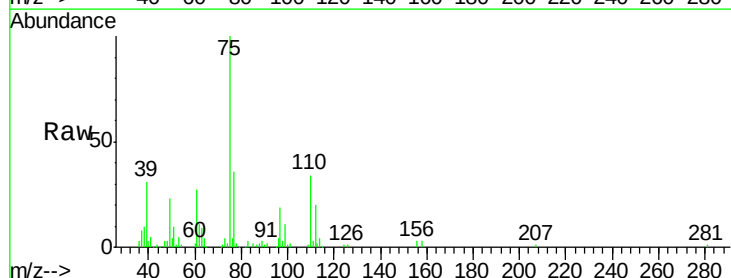
RT: 12.55 min Scan# 3352

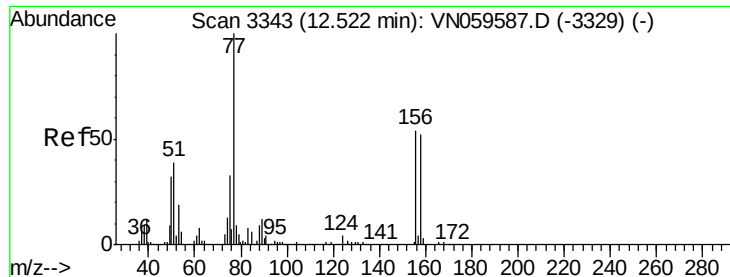
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	75	Resp:	98688
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.109 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

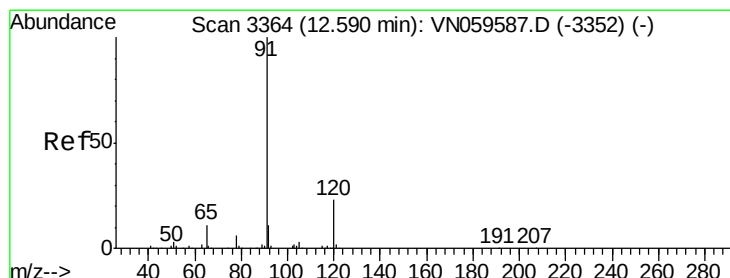
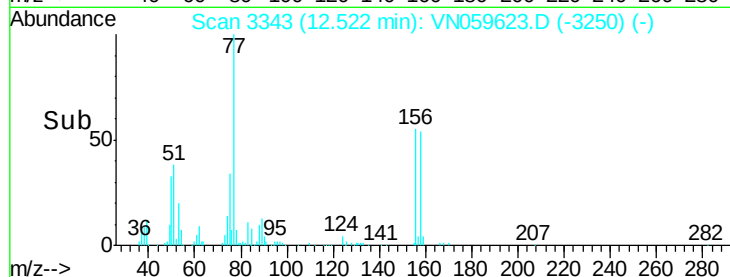
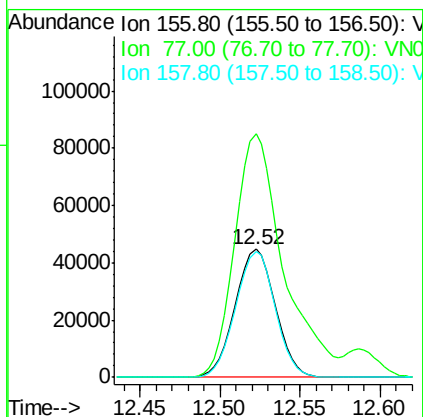
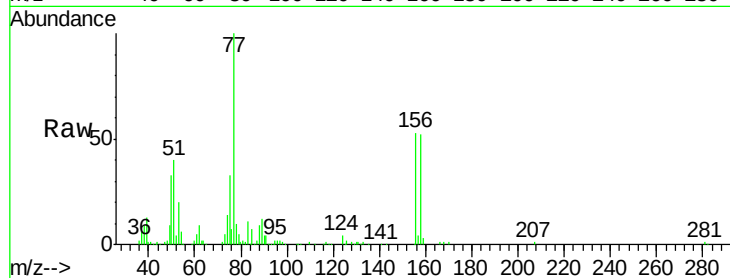
ClientSampleId :

VN1217WBSD01

Tot Ion:	156	Resp:	76562
Ion Ratio	Lower	Upper	
156	100		
77	232.5	115.8	347.4
158	96.7	49.2	147.6

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#78

n-propylbenzene

Concen: 21.274 ug/l

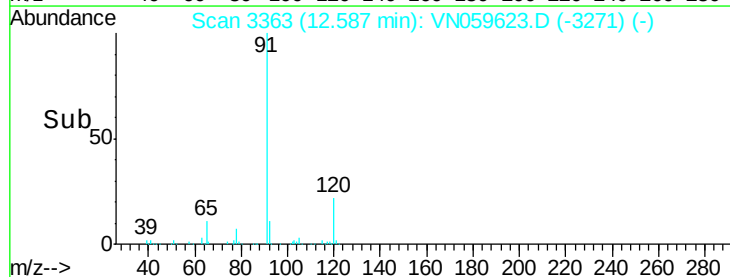
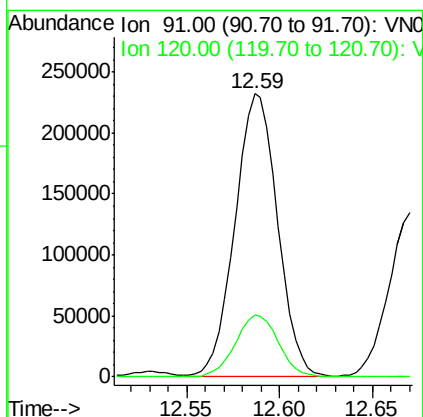
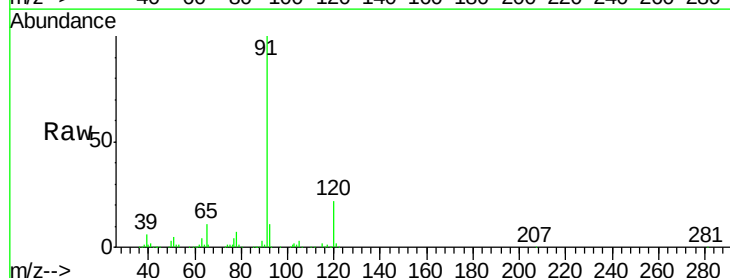
RT: 12.59 min Scan# 3363

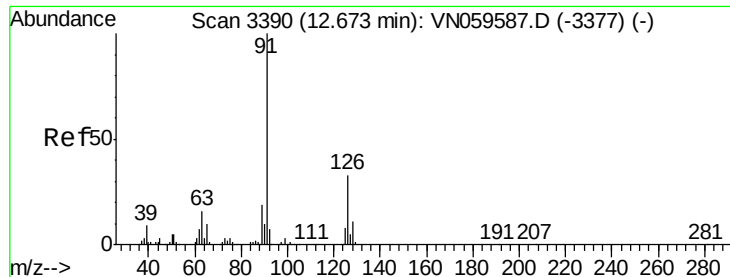
Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	91	Resp:	370891
Ion Ratio	Lower	Upper	
91	100		
120	22.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion: 91 Resp: 222938

Ion Ratio Lower Upper

91 100

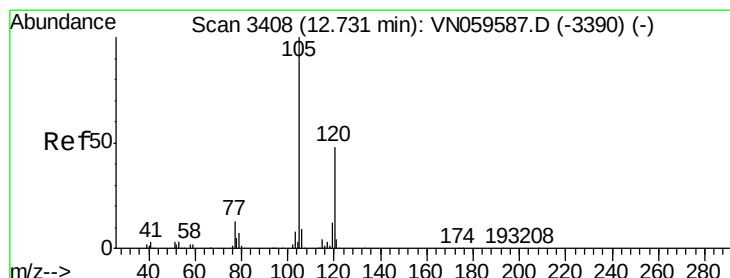
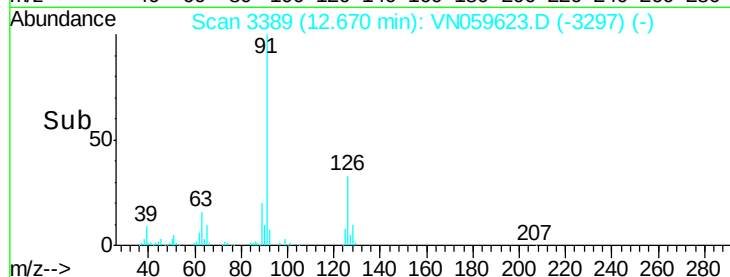
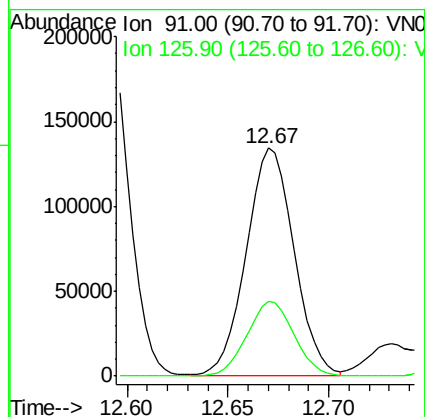
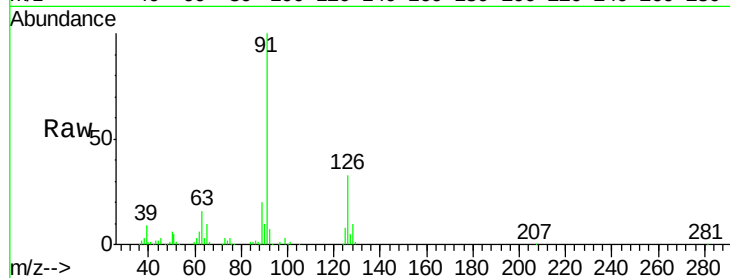
126 32.6 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 21.532 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059623.D

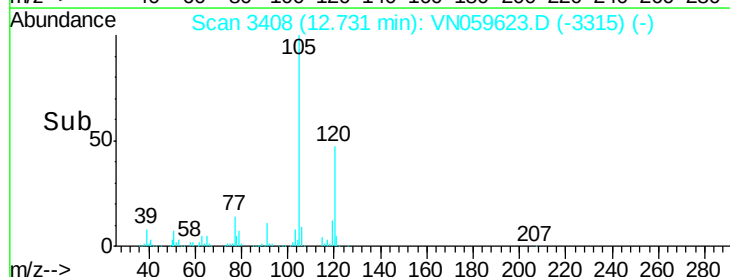
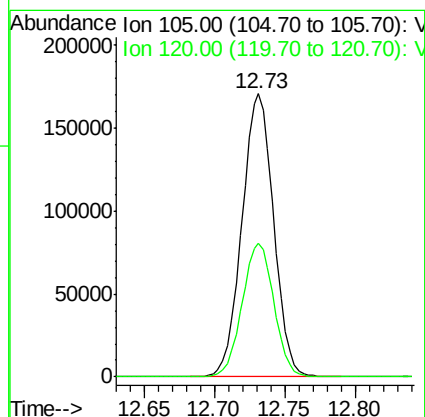
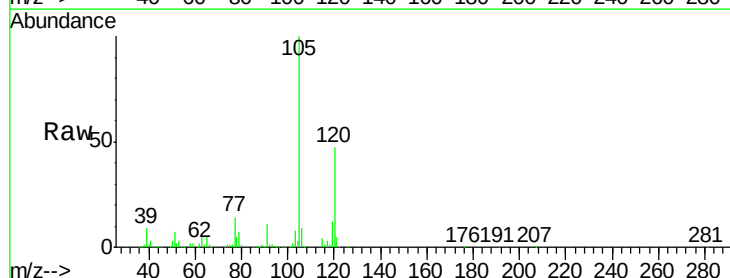
Acq: 17 Dec 2019 14:46

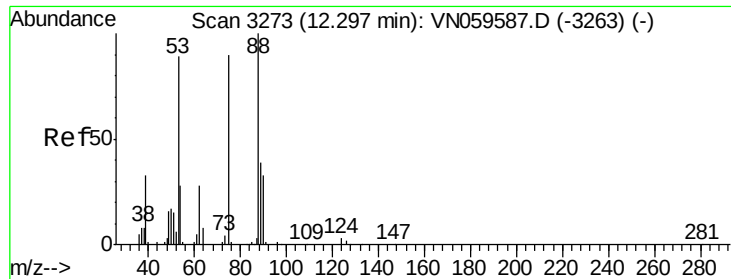
Tgt Ion: 105 Resp: 268742

Ion Ratio Lower Upper

105 100

120 47.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.957 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

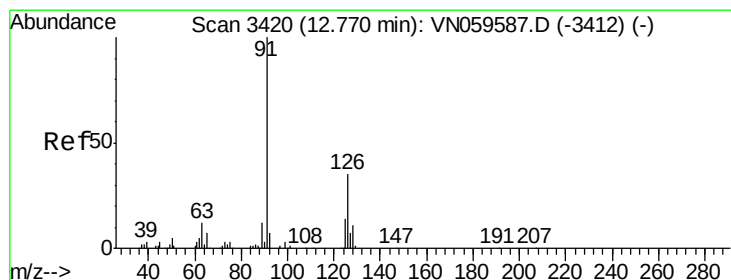
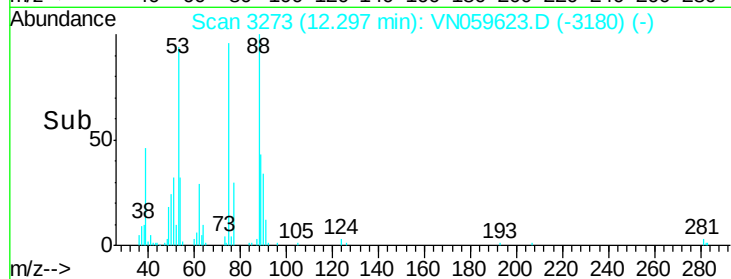
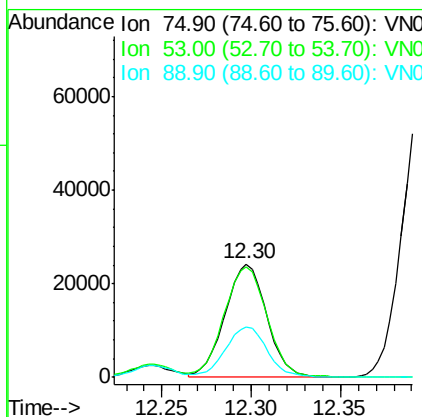
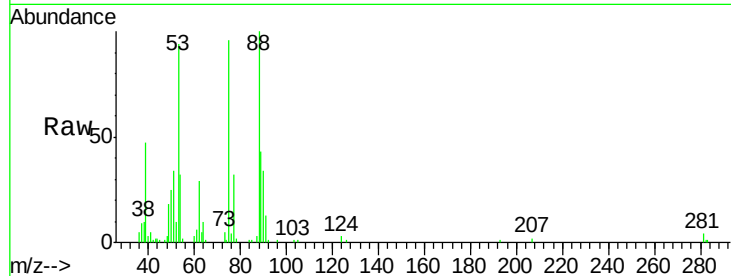
ClientSampleId :

VN1217WBSD01

Tot Ion:	75	Resp:	39464
Ion Ratio	Lower	Upper	
75	100		
53	100.8	78.1	117.1
89	44.8	35.4	53.2

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#82

4-Chlorotoluene

Concen: 21.293 ug/l

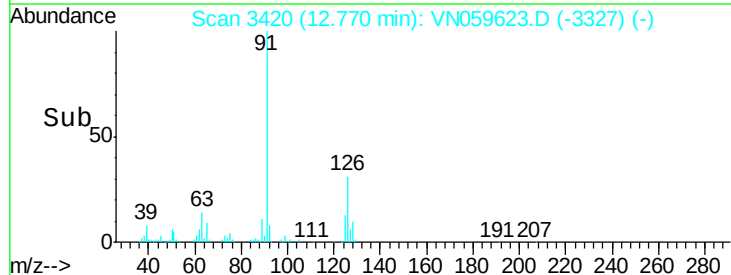
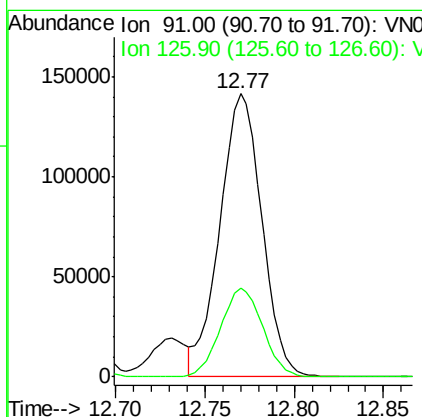
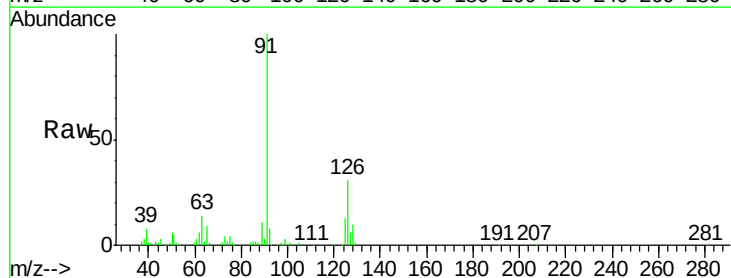
RT: 12.77 min Scan# 3420

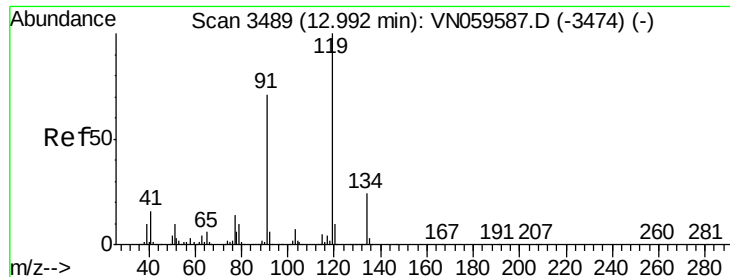
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	91	Resp:	229830
Ion Ratio	Lower	Upper	
91	100		
126	31.8	16.3	48.8





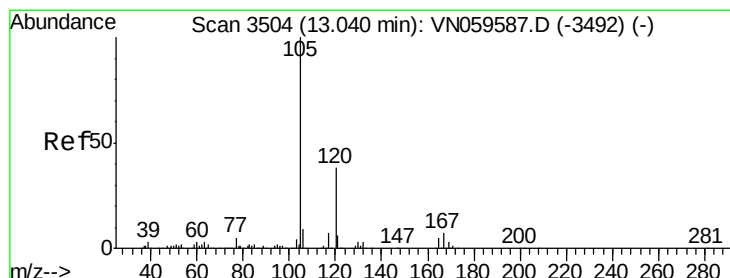
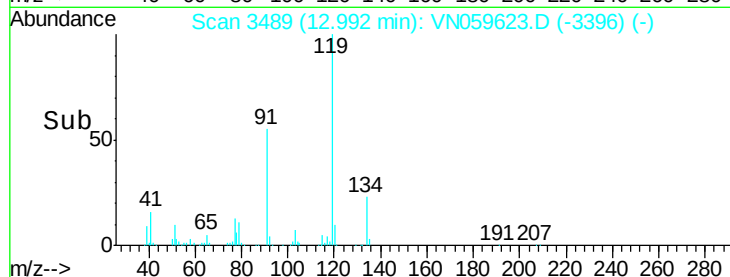
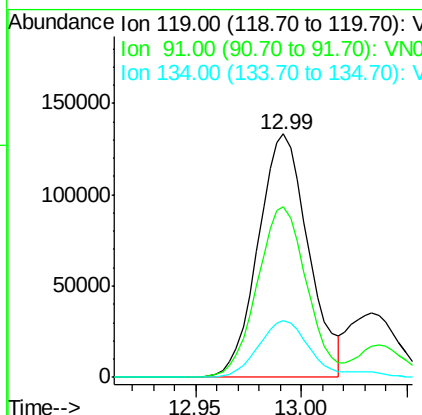
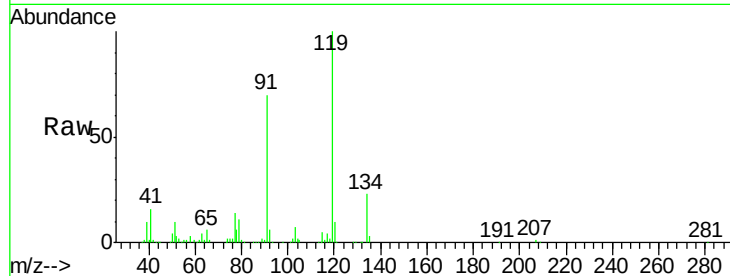
#83
 tert-Butylbenzene
 Concen: 20.877 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.5	34.8	104.4
134	25.0	12.3	36.9

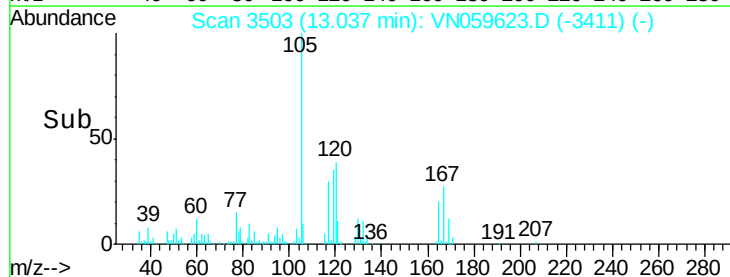
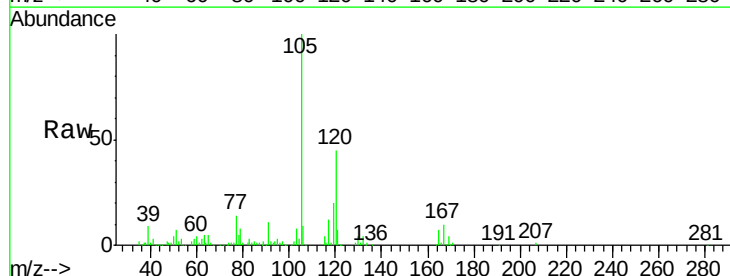
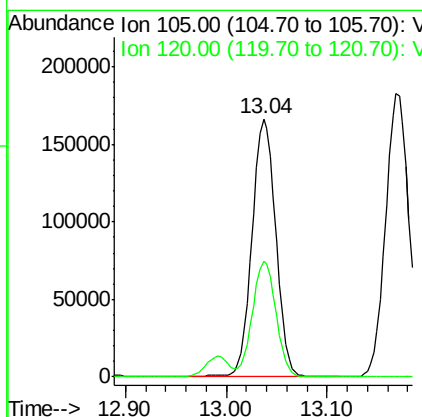
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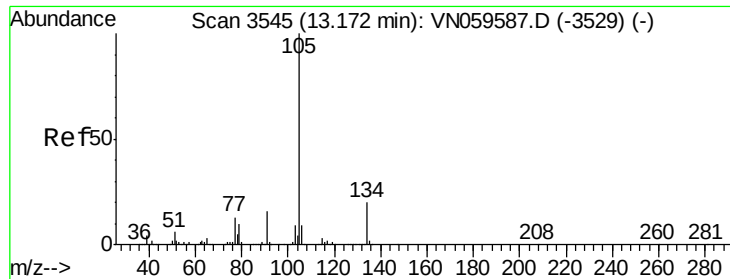
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.718 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 21.184 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBSD01

Tot Ion:105 Resp: 297834

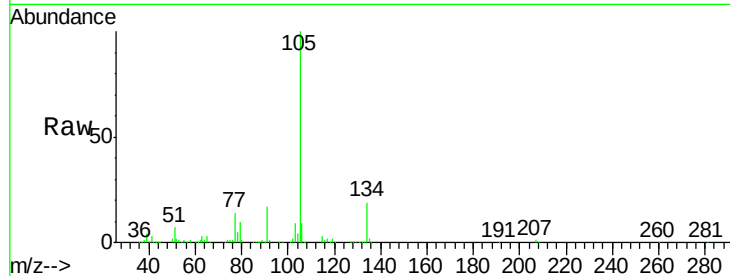
Ion Ratio Lower Upper

105 100

134 19.0 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

13.17

200000

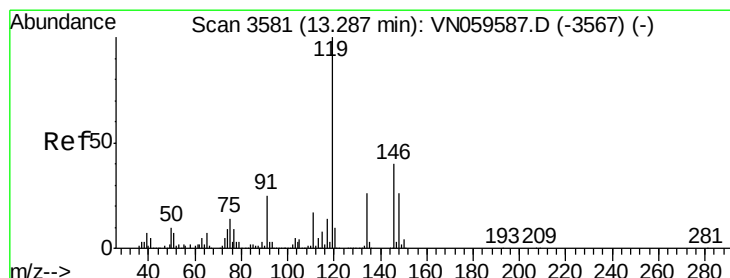
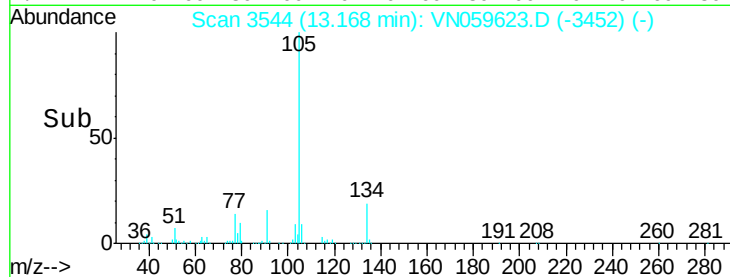
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.999 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

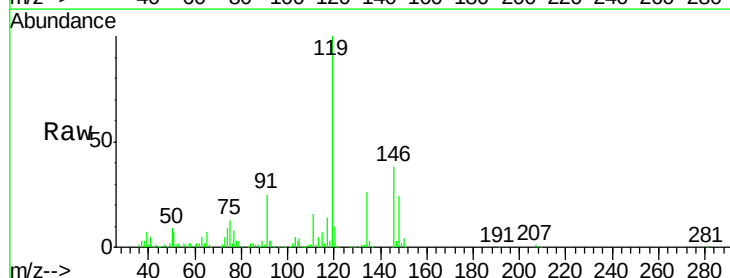
Tgt Ion:119 Resp: 267396

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 24.8 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

13.29

200000

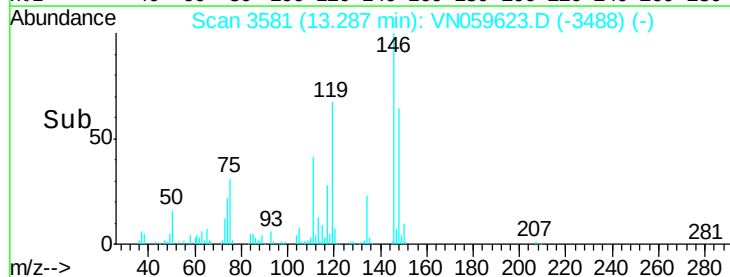
150000

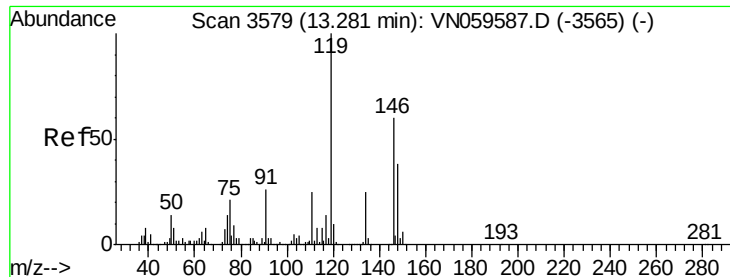
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





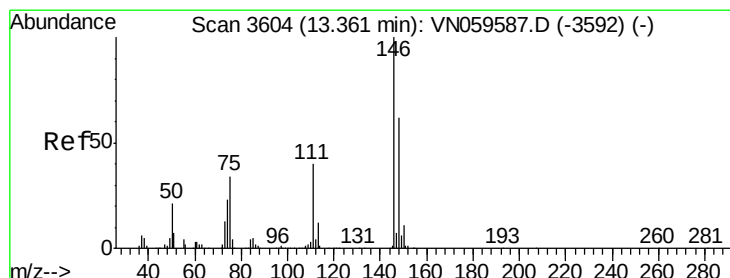
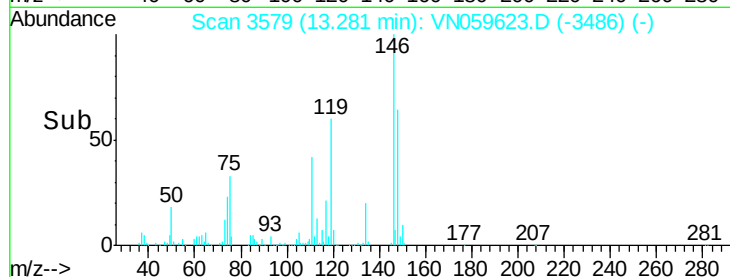
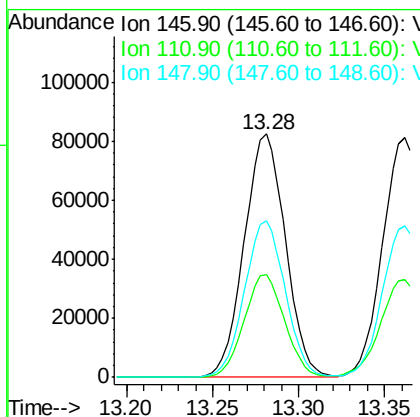
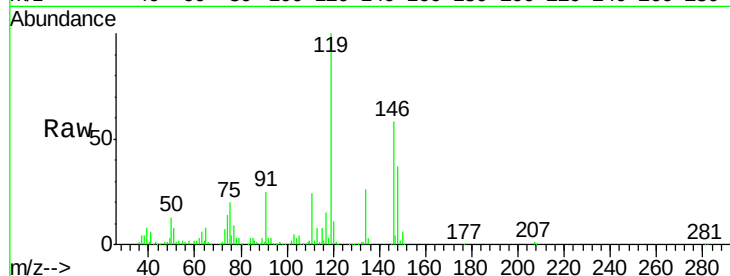
#87
 1,3-Dichlorobenzene
 Concen: 20.583 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.2
148	63.5	32.0	96.0

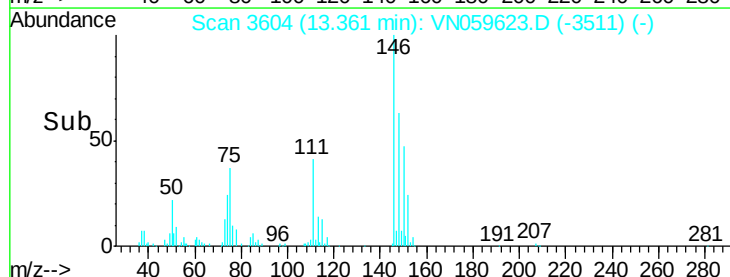
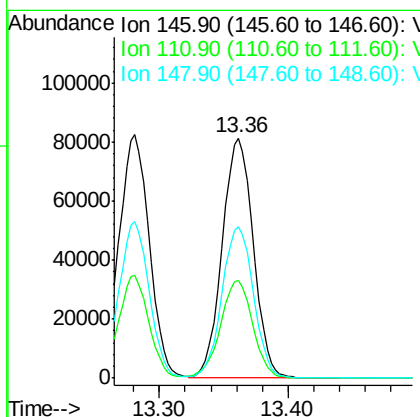
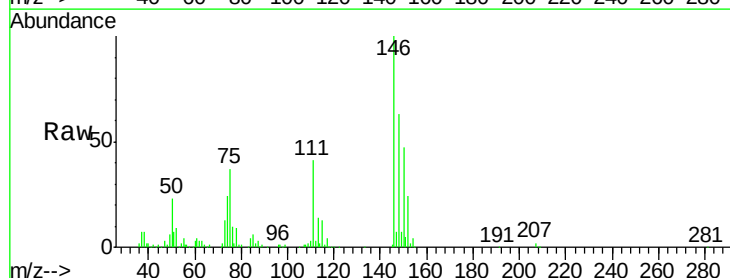
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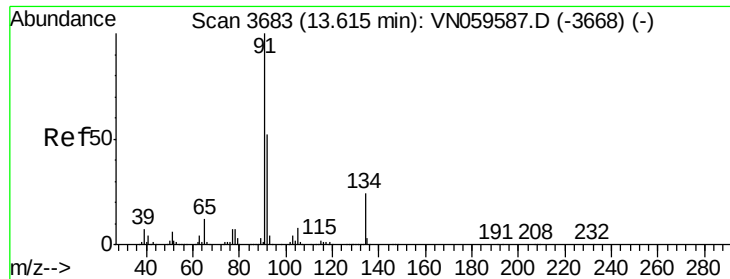
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#88
 1,4-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.8	62.2
148	64.0	31.8	95.4





#89

n-Butylbenzene

Concen: 20.433 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

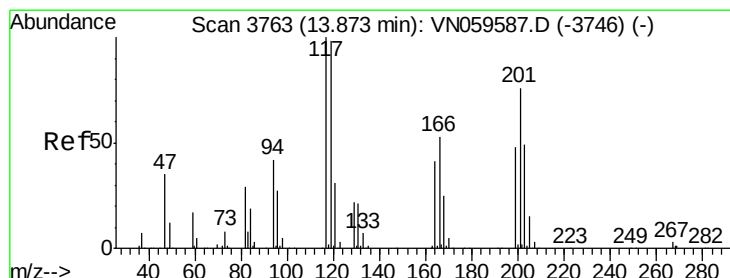
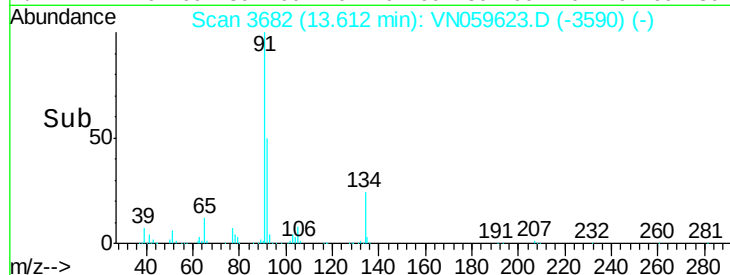
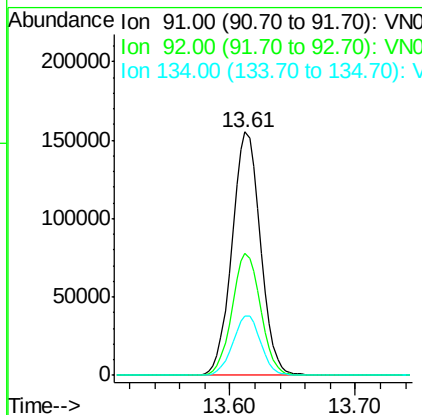
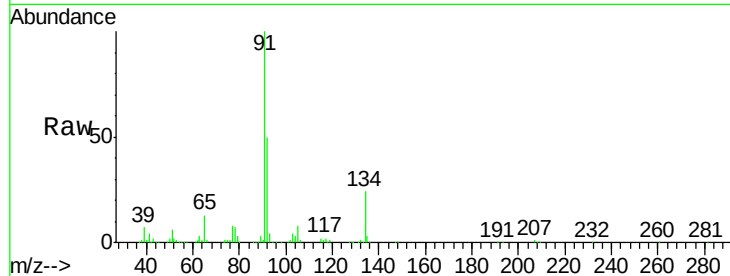
ClientSampleId :

VN1217WBSD01

Tot Ion:	91	Resp:	243943
Ion Ratio	Lower	Upper	
91	100		
92	50.3	25.9	77.7
134	24.1	12.3	36.8

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#90

Hexachloroethane

Concen: 21.477 ug/l

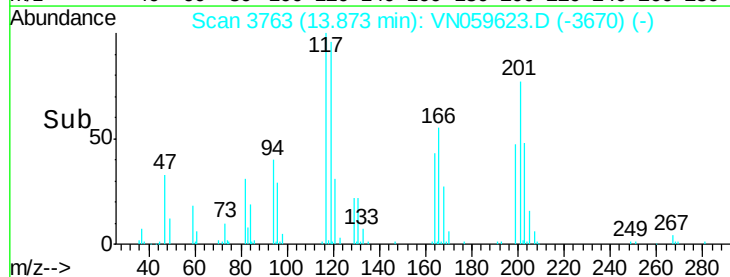
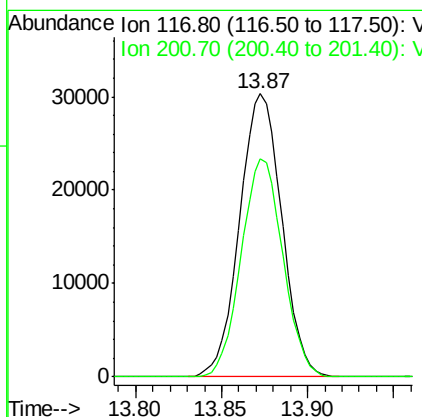
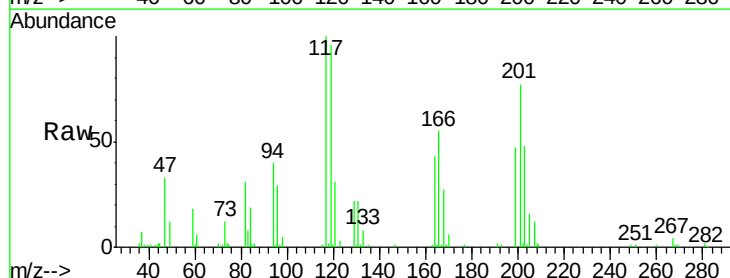
RT: 13.87 min Scan# 3763

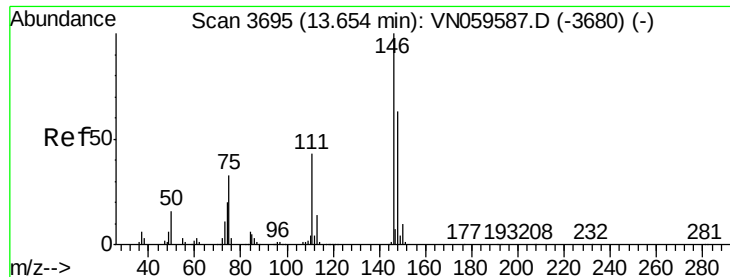
Delta R.T. 0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	117	Resp:	51695
Ion Ratio	Lower	Upper	
117	100		
201	75.9	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 20.439 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Instrument :

MSVOA_N

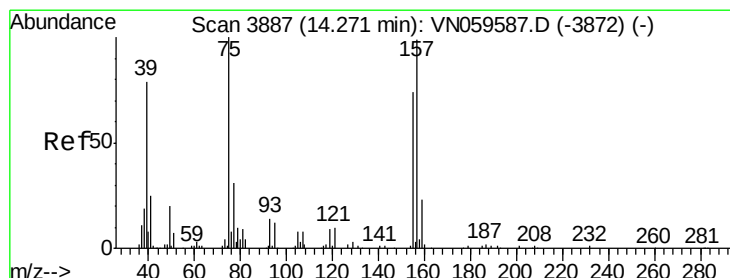
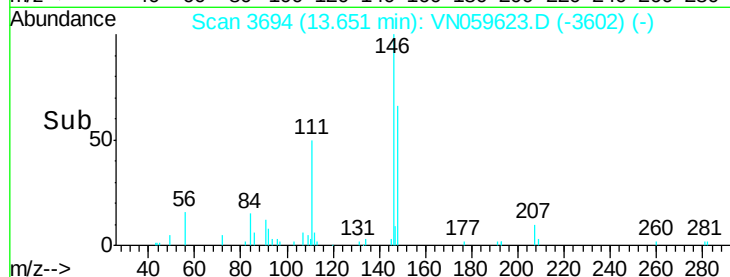
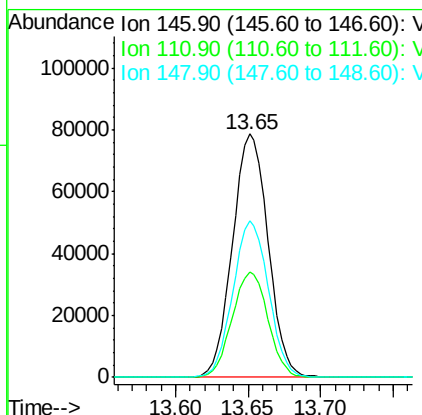
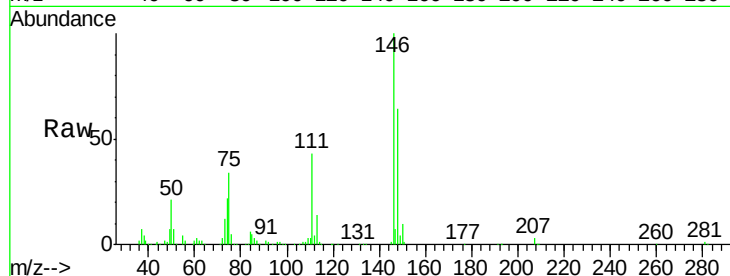
ClientSampleId :

VN1217WBSD01

Tot Ion:	146	Resp:	134437
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.6	64.8
148	64.3	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.069 ug/l

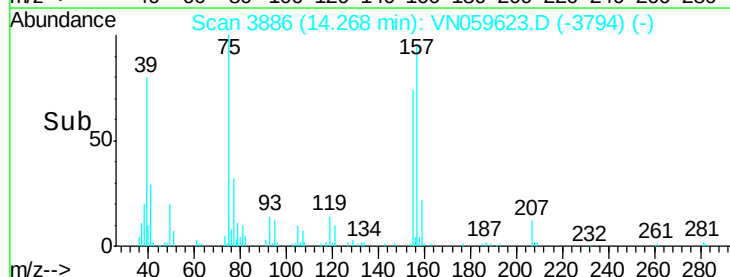
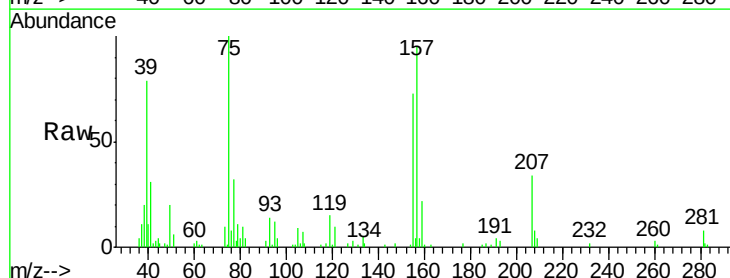
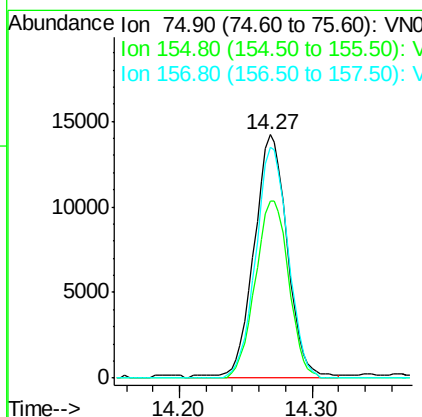
RT: 14.27 min Scan# 3886

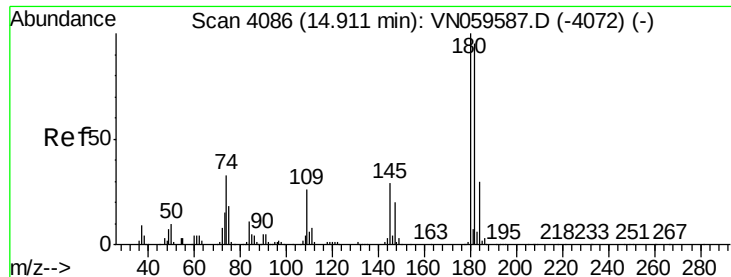
Delta R.T. -0.00 min

Lab File: VN059623.D

Acq: 17 Dec 2019 14:46

Tgt Ion:	75	Resp:	24880
Ion Ratio	Lower	Upper	
75	100		
155	72.5	37.0	110.9
157	91.4	48.4	145.2





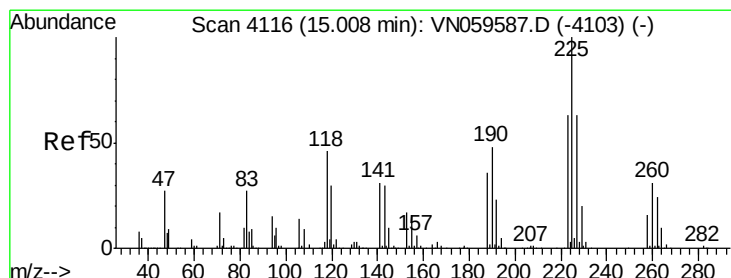
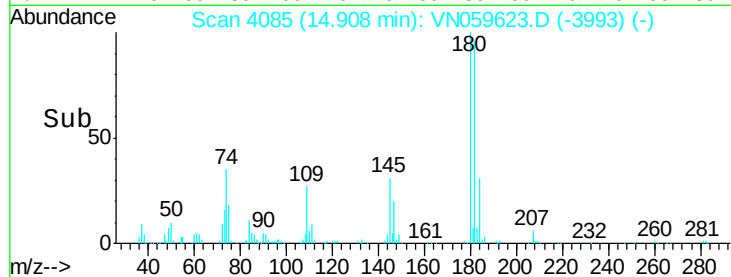
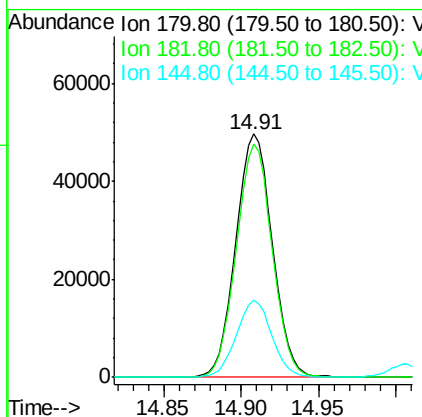
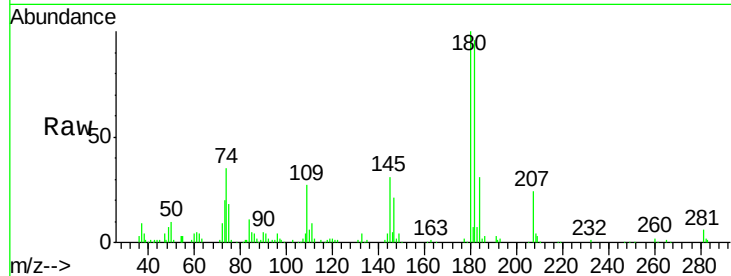
#93
 1,2,4-Trichlorobenzene
 Concen: 19.181 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	46.9	140.7
145	30.7	15.0	45.1

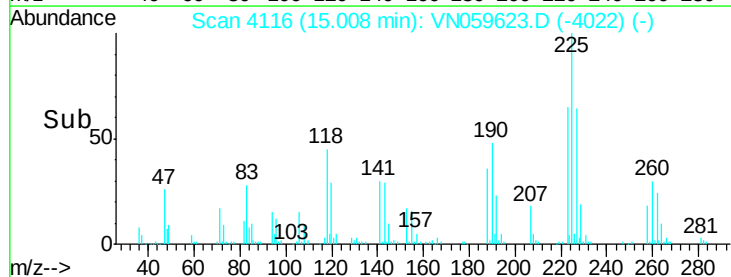
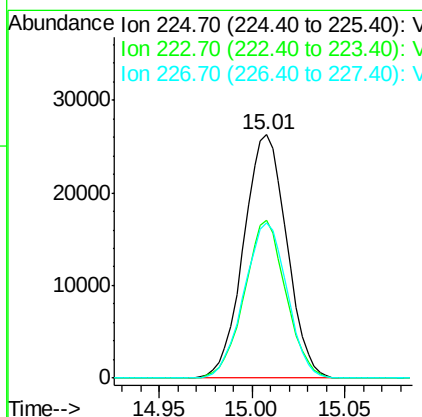
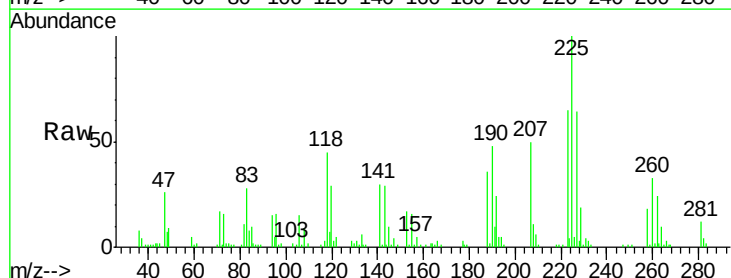
Manual Integrations
 APPROVED

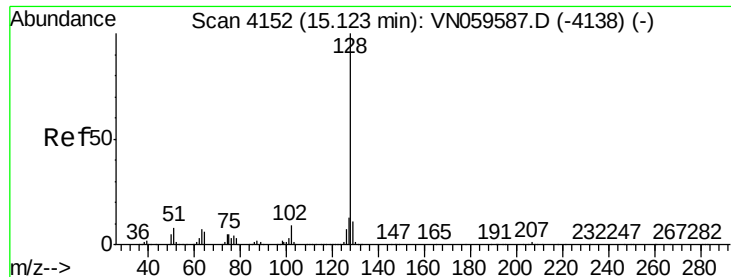
apatel
 12/18/2019 10:05:08 AM



#94
 Hexachlorobutadiene
 Concen: 19.408 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059623.D
 Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.8	95.3
227	63.4	32.1	96.5





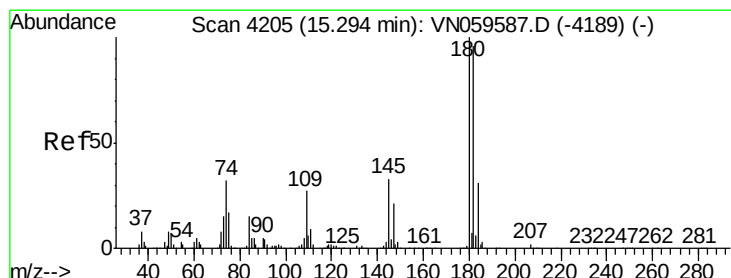
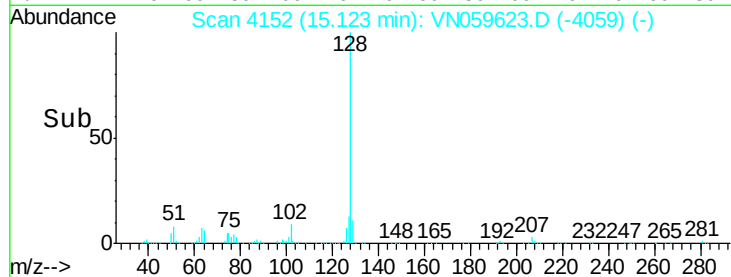
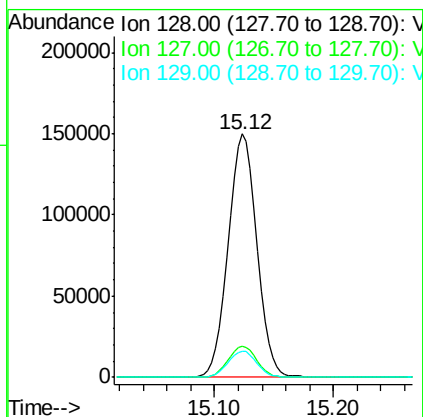
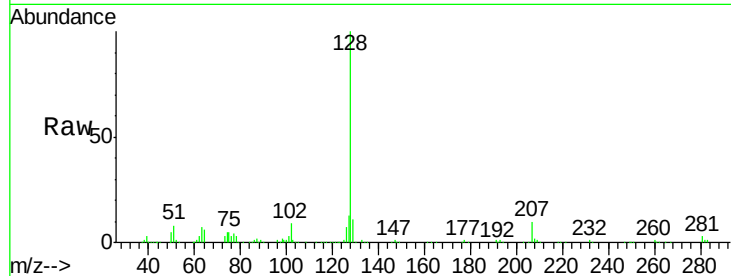
#95
Naphthalene
Concen: 19.766 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	250616		
127	12.7		10.4	15.6
129	10.9		8.6	12.8

Manual Integrations
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12/18/2019 10:05:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.635 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059623.D
Acq: 17 Dec 2019 14:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	84346		
182	94.4		47.4	142.3
145	32.2		16.3	48.9

