

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121019\
 Data File : VN059541.D
 Acq On : 10 Dec 2019 12:58
 Operator : JC/SP
 Sample : VN1210WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Manual Integrations
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 12/11/2019 2:15:53 PM

Quant Time: Dec 11 06:38:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	266168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	430569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	394774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	188618	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	189672	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
35) Dibromofluoromethane	7.57	113	133337	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
50) Toluene-d8	10.08	98	509636	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.40	95	185539	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	57718	18.801	ug/l	99
3) Chloromethane	2.04	50	92182	19.836	ug/l	99
4) Vinyl Chloride	2.17	62	89199	19.473	ug/l	100
5) Bromomethane	2.54	94	54216	19.432	ug/l	98
6) Chloroethane	2.68	64	53742	19.648	ug/l	96
7) Trichlorofluoromethane	3.00	101	108208	19.761	ug/l	100
8) Diethyl Ether	3.39	74	33249	17.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	53080	18.626	ug/l	100
10) Methyl Iodide	3.93	142	71033	18.409	ug/l	100
11) Tert butyl alcohol	4.76	59	61937	100.640	ug/l	100
12) 1,1-Dichloroethene	3.71	96	51667	18.650	ug/l	96
13) Acrolein	3.58	56	43728	146.010	ug/l	98
14) Allyl chloride	4.30	41	102053	19.150	ug/l	98
15) Acrylonitrile	4.96	53	165826	102.162	ug/l	98
16) Acetone	3.79	43	160020	92.083	ug/l	99
17) Carbon Disulfide	4.03	76	169286	18.946	ug/l	99
18) Methyl Acetate	4.30	43	86111	18.874	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	185812	20.178	ug/l	99
20) Methylene Chloride	4.53	84	63042	19.967	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	58613	19.713	ug/l	94
22) Diisopropyl ether	5.92	45	201090	19.821	ug/l	98
23) Vinyl Acetate	5.87	43	851396	100.605	ug/l	100
24) 1,1-Dichloroethane	5.82	63	113613	19.724	ug/l	98
25) 2-Butanone	6.81	43	227048	97.066	ug/l	98
26) 2,2-Dichloropropane	6.80	77	100913	19.393	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	66566	19.904	ug/l	98
28) Bromochloromethane	7.17	49	45932	22.695	ug/l	96
29) Tetrahydrofuran	7.19	42	156377	96.111	ug/l	99
30) Chloroform	7.35	83	111856	19.676	ug/l	98
31) Cyclohexane	7.63	56	103621	18.486	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	99757	19.781	ug/l	99
36) 1,1-Dichloropropene	7.77	75	85044	19.252	ug/l	99
37) Ethyl Acetate	6.90	43	96653	19.723	ug/l	100
38) Carbon Tetrachloride	7.75	117	87568	20.111	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	97173	19.610	ug/l	97
40) Benzene	8.02	78	251044	19.893	ug/l	100
41) Methacrylonitrile	7.15	41	39440	18.372	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	97204	20.674	ug/l	100
43) Isopropyl Acetate	8.15	43	151948	19.926	ug/l	99
44) Trichloroethene	8.82	130	64304	20.170	ug/l	96
45) 1,2-Dichloropropane	9.11	63	67196	20.100	ug/l	97
46) Dibromomethane	9.20	93	43235	19.569	ug/l	99
47) Bromodichloromethane	9.39	83	88150	20.076	ug/l	99
48) Methyl methacrylate	9.19	41	66307	19.887	ug/l	99
49) 1,4-Dioxane	9.19	88	20027	469.459	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	470943	96.703	ug/l	99
52) Toluene	10.15	92	150445	20.009	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	99251	19.400	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	105541	20.157	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	59888	19.694	ug/l	98
56) Ethyl methacrylate	10.42	69	87462	18.113	ug/l	99
57) 1,3-Dichloropropane	10.70	76	104851	20.188	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	147052	118.040	ug/l	99
59) 2-Hexanone	10.75	43	349536	95.829	ug/l	98
60) Dibromochloromethane	10.90	129	65338	18.673	ug/l	99
61) 1,2-Dibromoethane	11.00	107	62074	19.608	ug/l	100
64) Tetrachloroethene	10.62	164	55975	19.401	ug/l	99
65) Chlorobenzene	11.43	112	160819	19.442	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	60339	19.558	ug/l	99
67) Ethyl Benzene	11.51	91	286998	19.281	ug/l	99
68) m/p-Xylenes	11.62	106	213237	38.188	ug/l	97
69) o-Xylene	11.95	106	100214	19.282	ug/l	95
70) Styrene	11.96	104	158531	18.412	ug/l	96
71) Bromoform	12.13	173	45685	18.820	ug/l #	98
73) Isopropylbenzene	12.25	105	273166	19.307	ug/l	99
74) N-amyl acetate	12.07	43	121487	19.712	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	91438	19.073	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	93137m	19.309	ug/l	
77) Bromobenzene	12.53	156	66072	18.758	ug/l	94
78) n-propylbenzene	12.59	91	331924	19.091	ug/l	99
79) 2-Chlorotoluene	12.67	91	195577	18.865	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	233124	19.215	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	32196	17.959	ug/l #	86
82) 4-Chlorotoluene	12.77	91	203511	19.198	ug/l	99
83) tert-Butylbenzene	12.99	119	196339	19.406	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	234083	19.540	ug/l	99
85) sec-Butylbenzene	13.17	105	270000	19.429	ug/l	99
86) p-Isopropyltoluene	13.29	119	244939	19.721	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	121612	18.745	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	121095	19.063	ug/l	98
89) n-Butylbenzene	13.62	91	224367	19.238	ug/l	98
90) Hexachloroethane	13.88	117	46065	20.195	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	119280	19.592	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21440	20.772	ug/l	89

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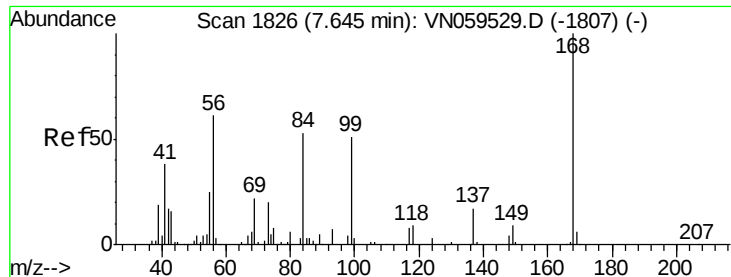
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73643	17.488	ug/l	99
94) Hexachlorobutadiene	15.01	225	40932	19.026	ug/l	98
95) Naphthalene	15.13	128	208535	16.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	72847	19.314	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:168 Resp: 266168

Ion Ratio Lower Upper

168 100

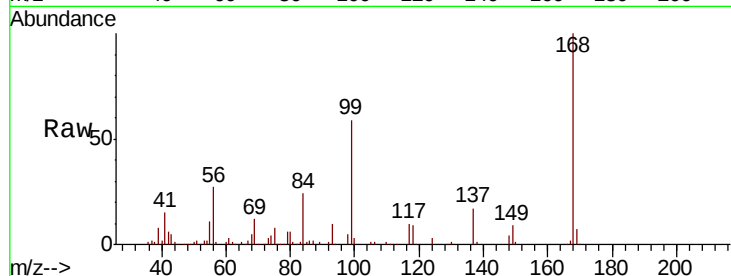
99 58.9 46.6 70.0

Manual Integrations

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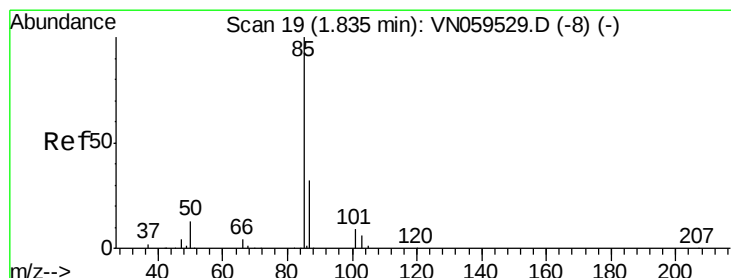
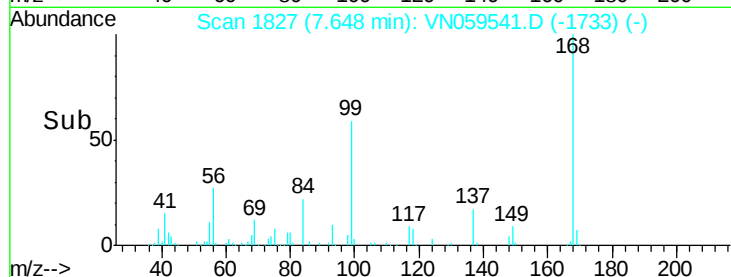
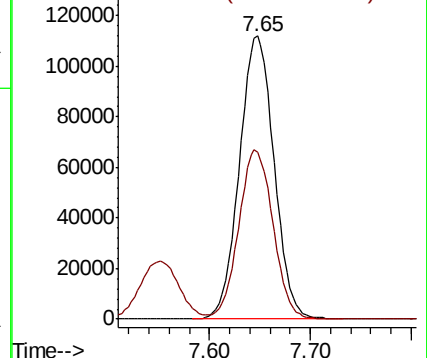
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.801 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059541.D

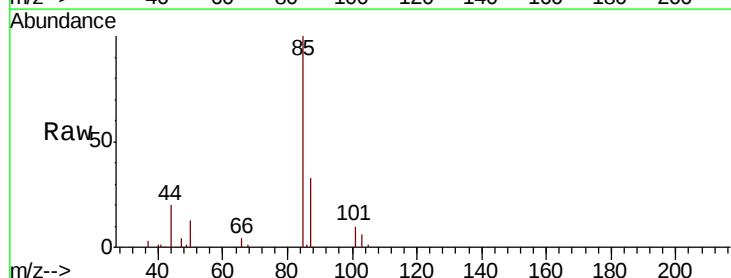
Acq: 10 Dec 2019 12:58

Tgt Ion: 85 Resp: 57718

Ion Ratio Lower Upper

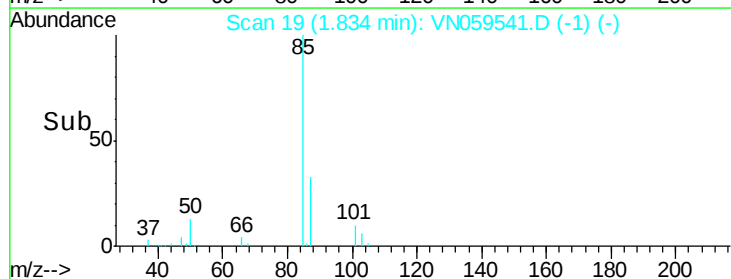
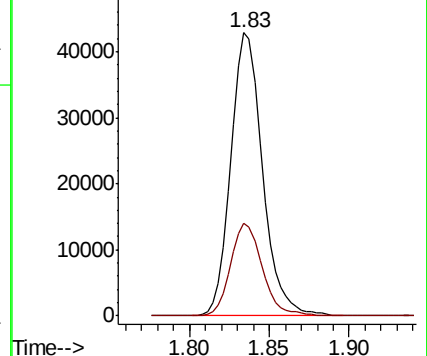
85 100

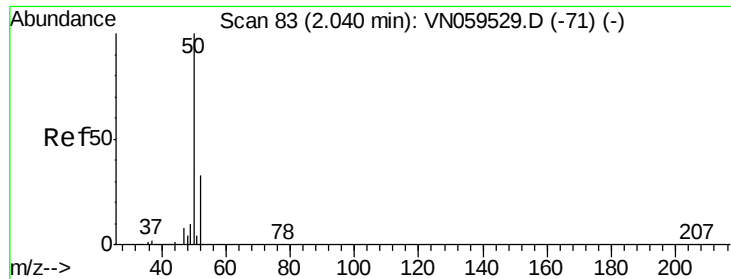
87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.836 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 50 Resp: 92182

Ion Ratio Lower Upper

50 100

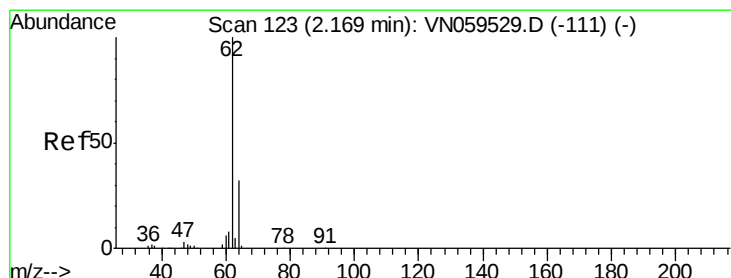
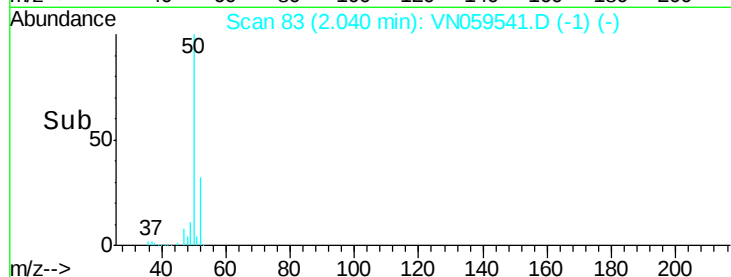
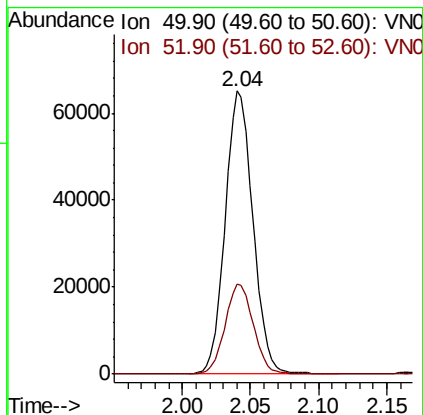
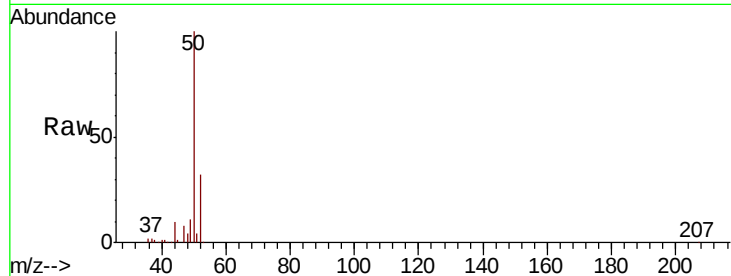
52 32.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059541.D

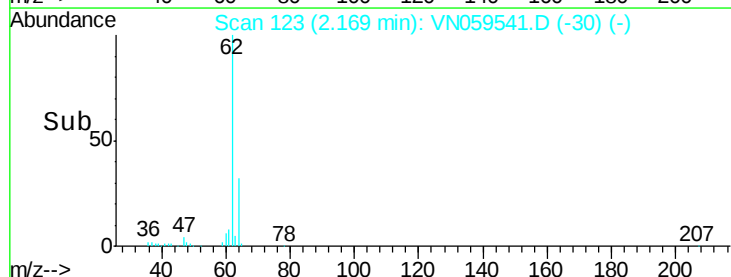
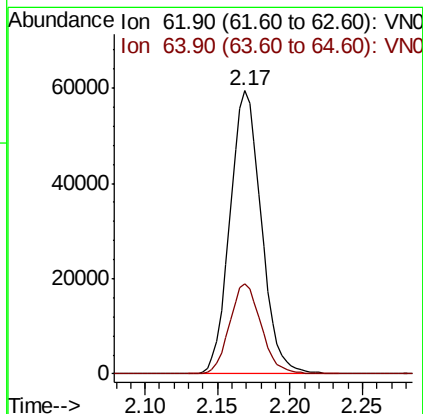
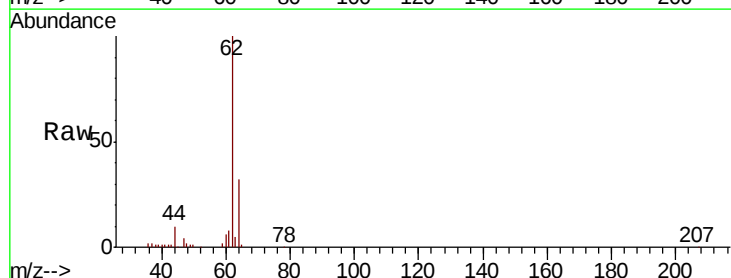
Acq: 10 Dec 2019 12:58

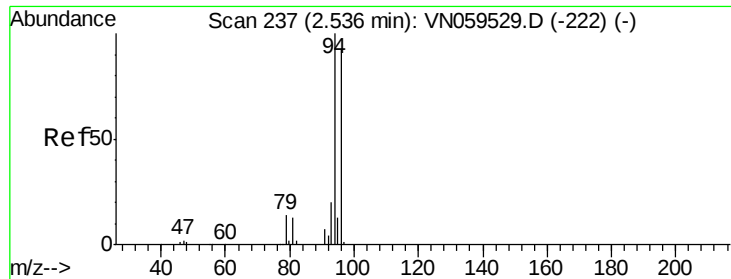
Tgt Ion: 62 Resp: 89199

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 19.432 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 94 Resp: 54216

Ion Ratio Lower Upper

94 100

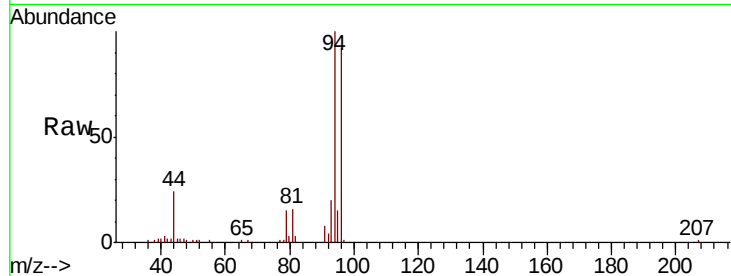
96 91.8 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

25000

20000

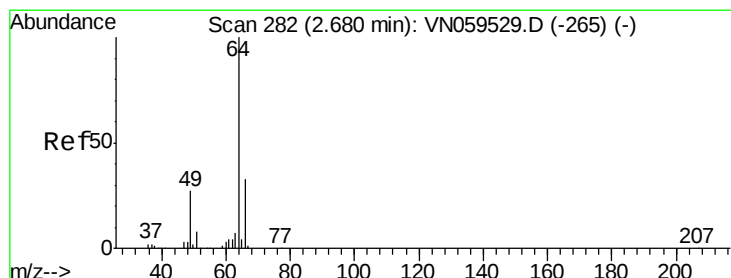
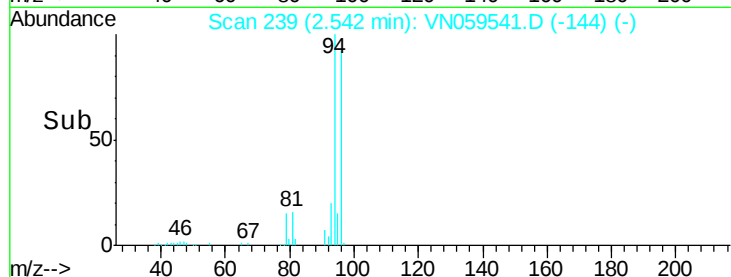
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.648 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059541.D

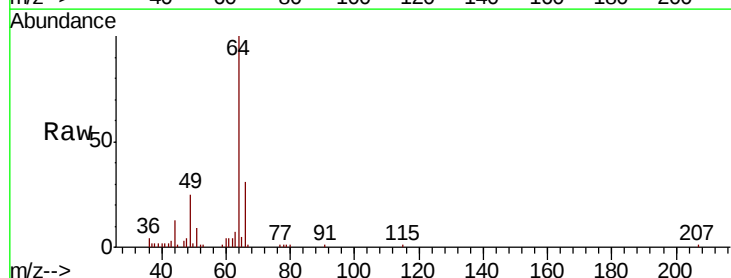
Acq: 10 Dec 2019 12:58

Tgt Ion: 64 Resp: 53742

Ion Ratio Lower Upper

64 100

66 31.0 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

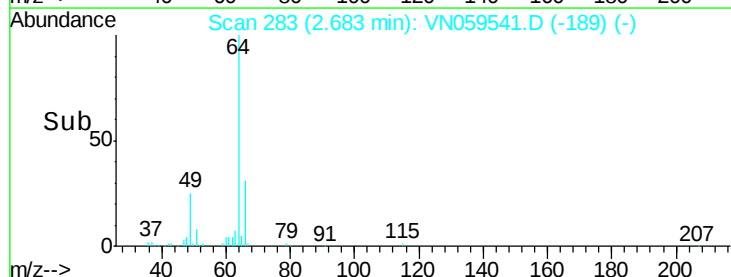
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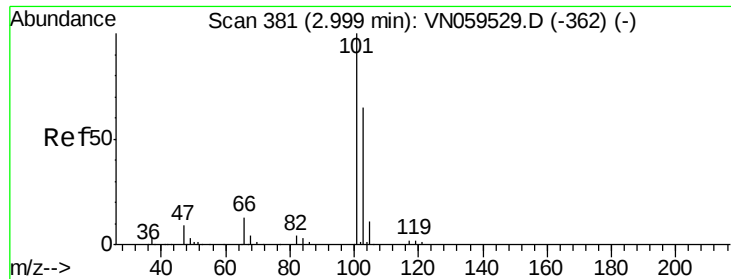
10000

5000

0

Time-->





#7

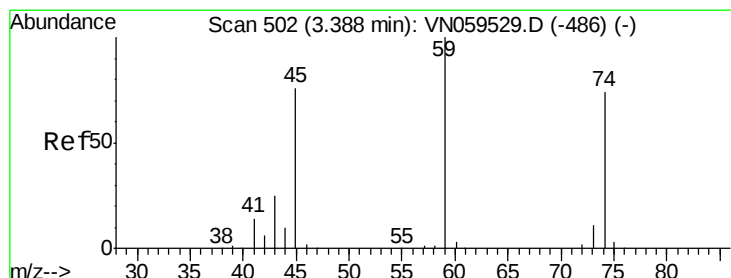
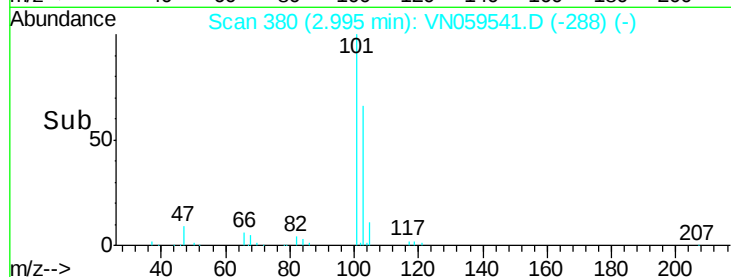
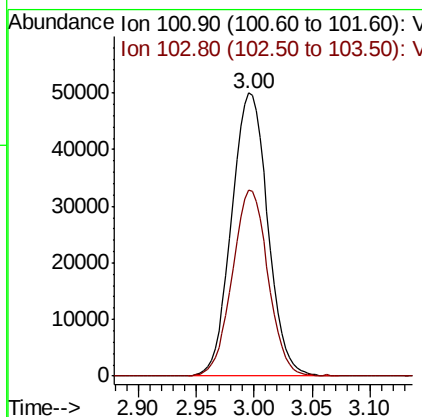
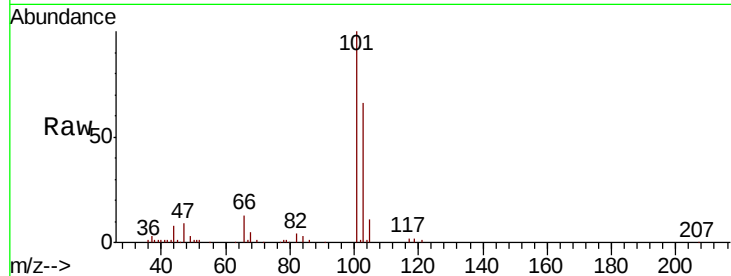
Trichlorofluoromethane
Concen: 19.761 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

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VN1210WBS01

Tot Ion:101 Resp: 108208
Ion Ratio Lower Upper
101 100
103 65.7 52.2 78.4

Manual Integrations
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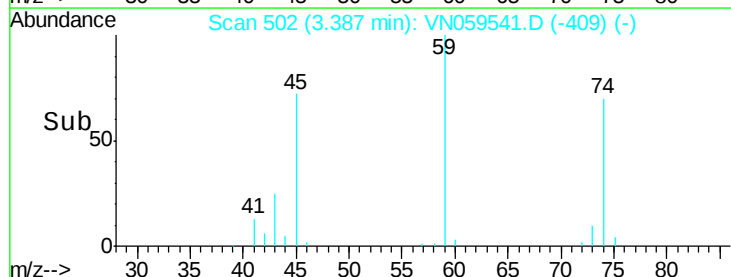
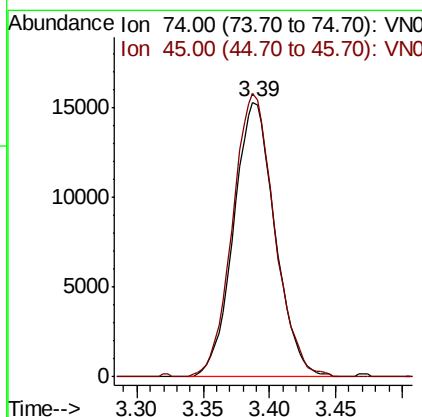
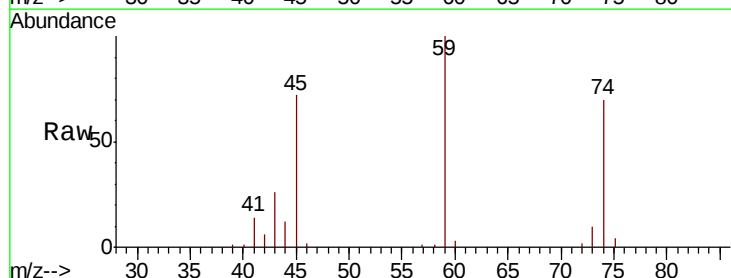
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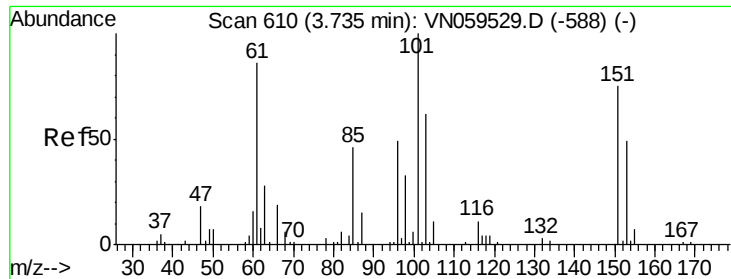


#8

Diethyl Ether
Concen: 17.718 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 74 Resp: 33249
Ion Ratio Lower Upper
74 100
45 104.5 52.6 157.9





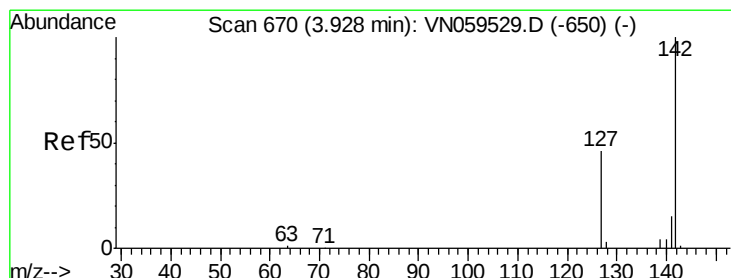
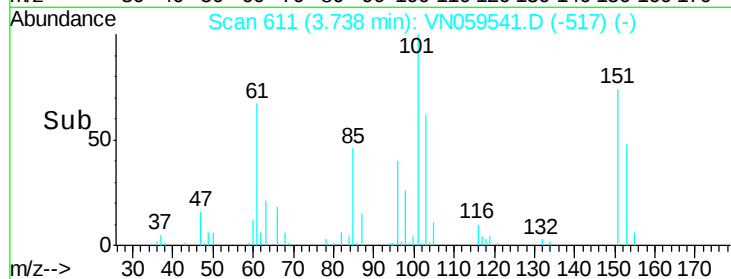
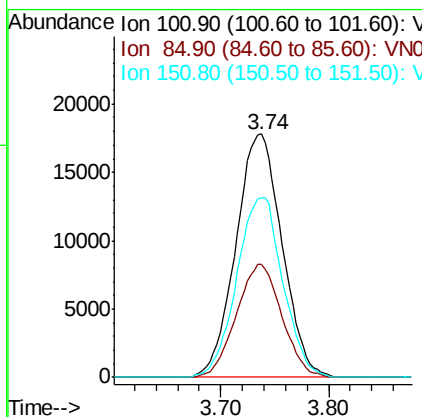
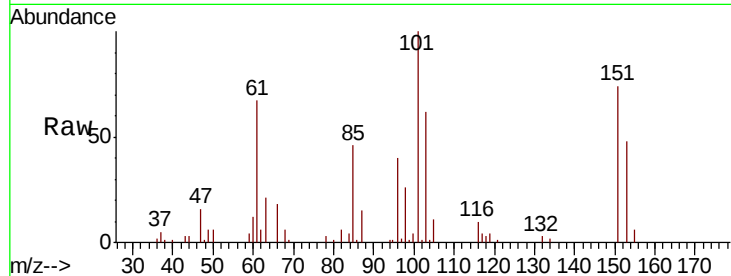
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.626 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Instrument :
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 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.6	36.6	54.8
151	73.7	59.3	88.9

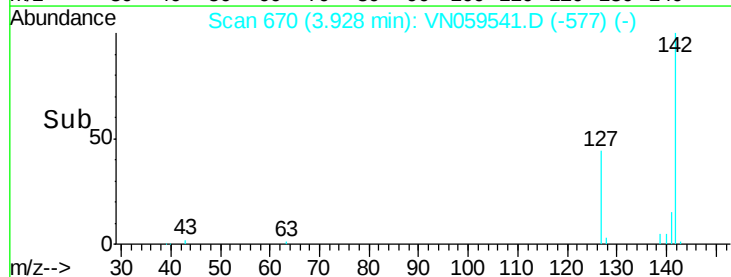
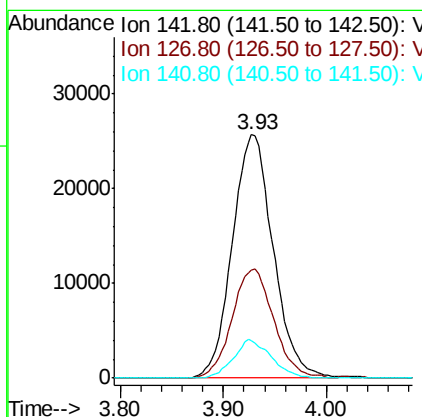
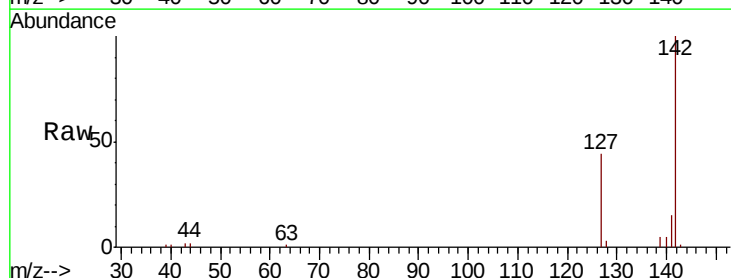
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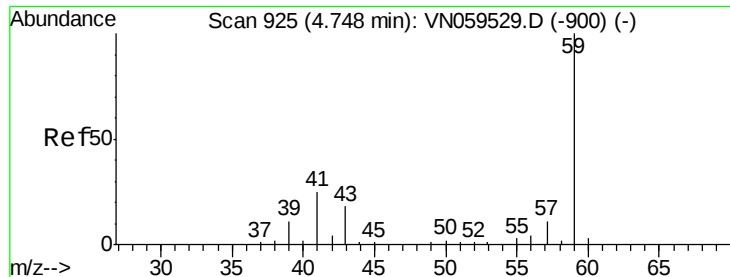
apatel
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#10
 Methyl Iodide
 Concen: 18.409 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.4	36.6	54.8
141	14.6	11.6	17.4





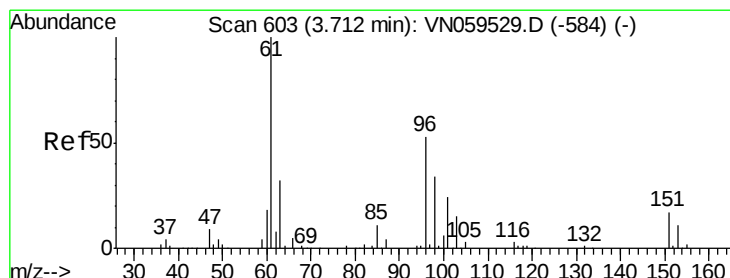
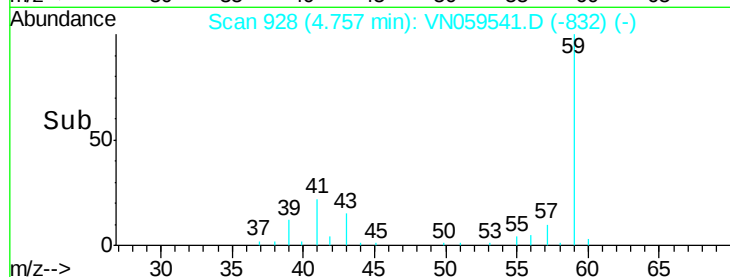
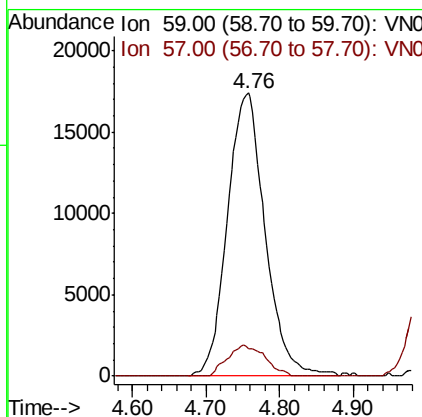
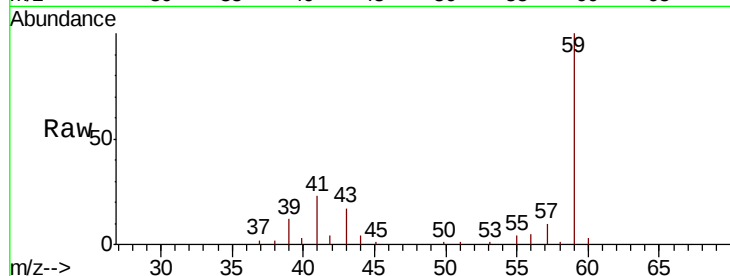
#11
Tert butyl alcohol
Concen: 100.640 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 59 Resp: 61937
Ion Ratio Lower Upper
59 100
57 10.8 8.6 13.0

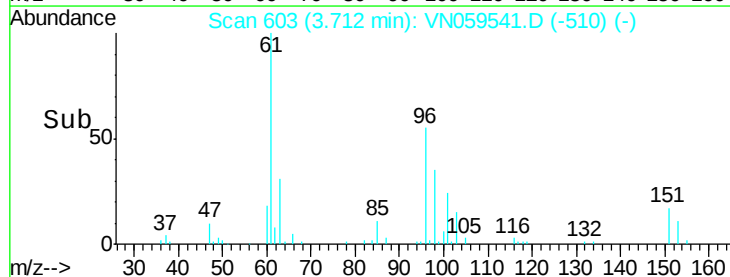
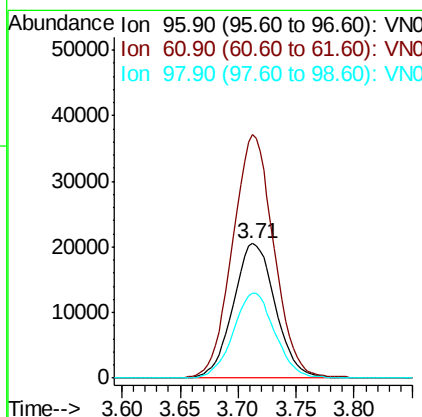
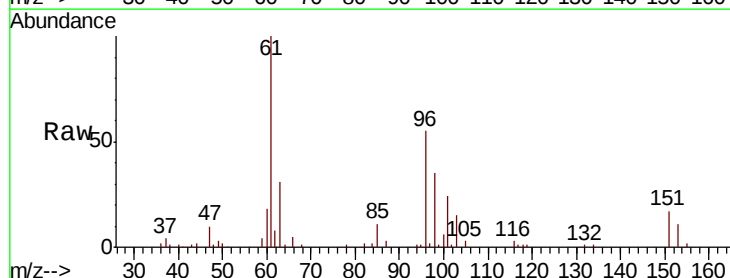
Manual Integrations
APPROVED

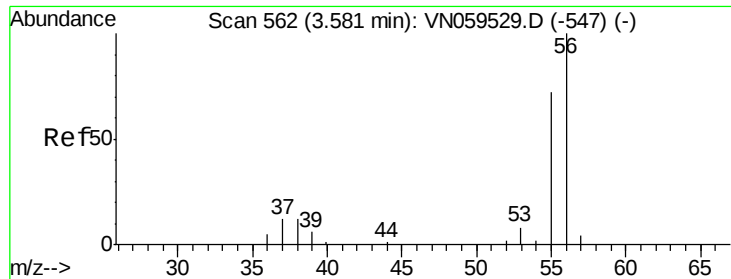
apatel
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#12
1,1-Dichloroethene
Concen: 18.650 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 96 Resp: 51667
Ion Ratio Lower Upper
96 100
61 179.9 149.8 224.6
98 63.4 50.6 75.8





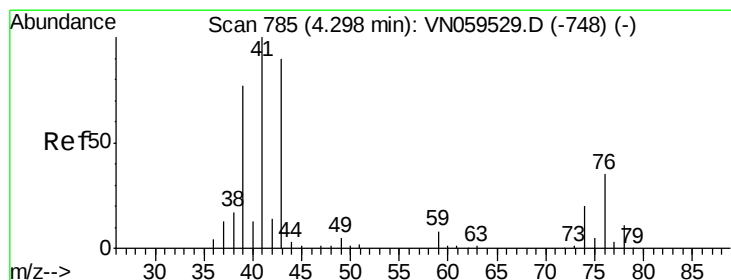
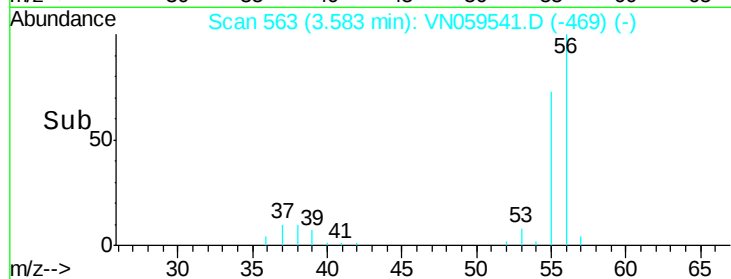
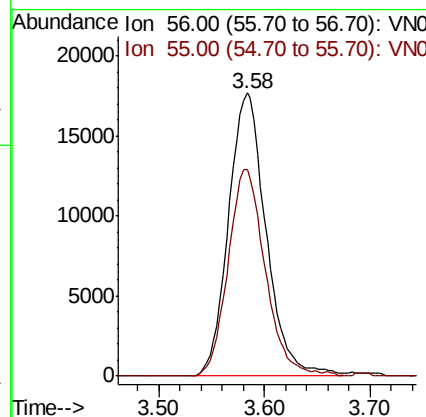
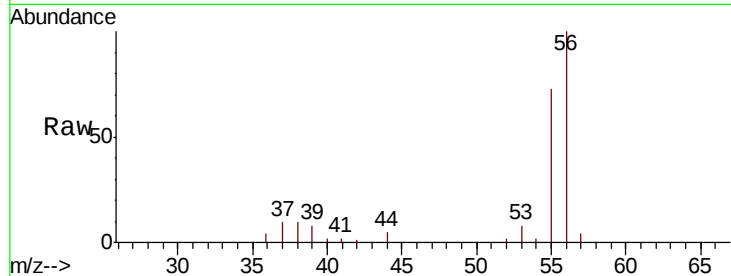
#13
Acrolein
Concen: 146.010 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 56 Resp: 43728
Ion Ratio Lower Upper
56 100
55 72.5 56.9 85.3

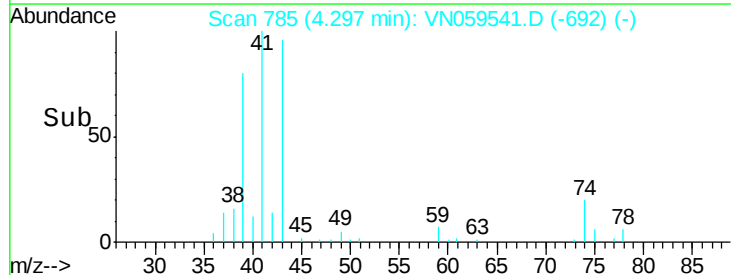
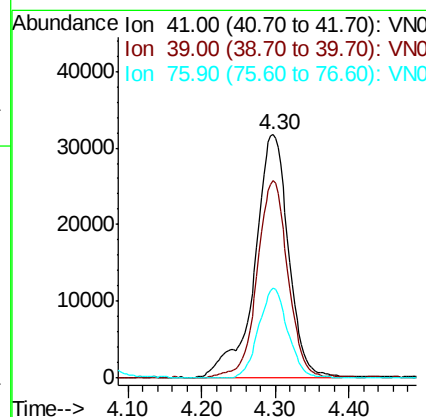
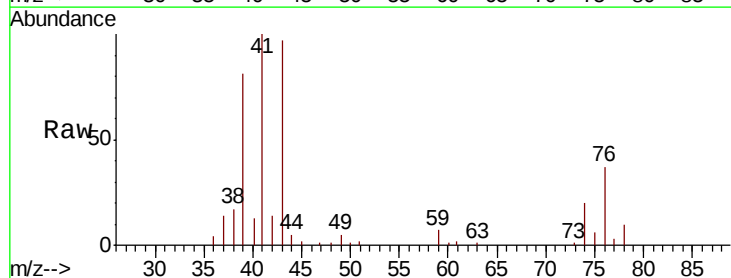
Manual Integrations
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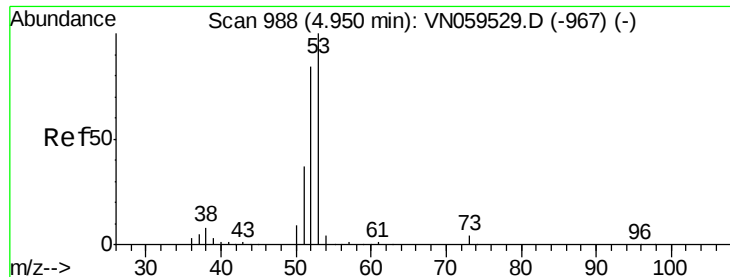
apatel
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#14
Allyl chloride
Concen: 19.150 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 41 Resp: 102053
Ion Ratio Lower Upper
41 100
39 73.3 56.7 85.1
76 31.7 25.5 38.3





#15

Acrylonitrile

Concen: 102.162 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

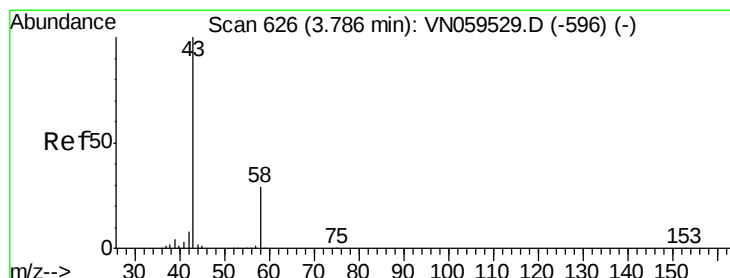
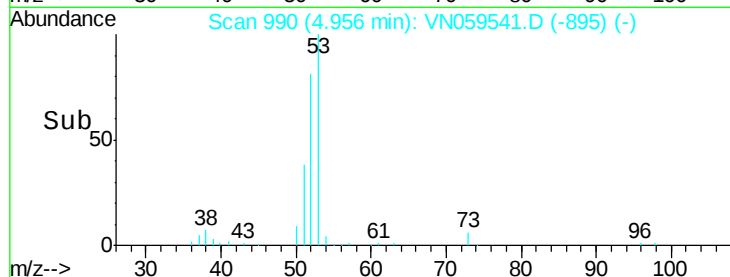
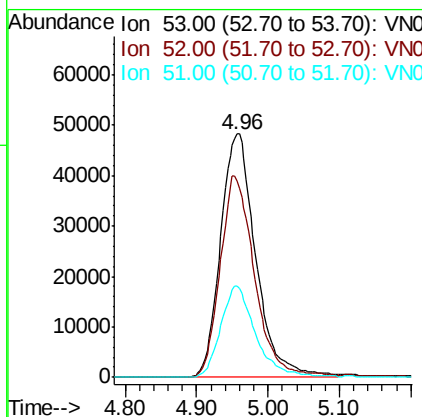
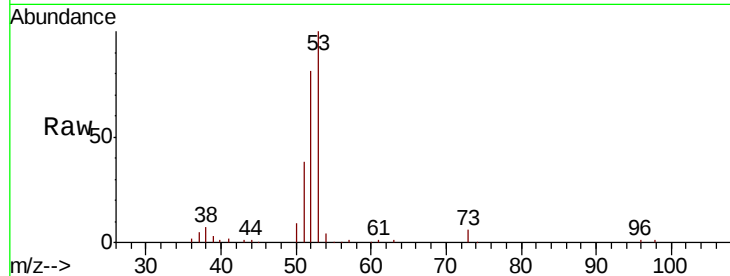
ClientSampleId :

VN1210WBS01

Tot Ion:	53	Resp:	165826
Ion	Ratio	Lower	Upper
53	100		
52	80.5	66.6	99.8
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 92.083 ug/l

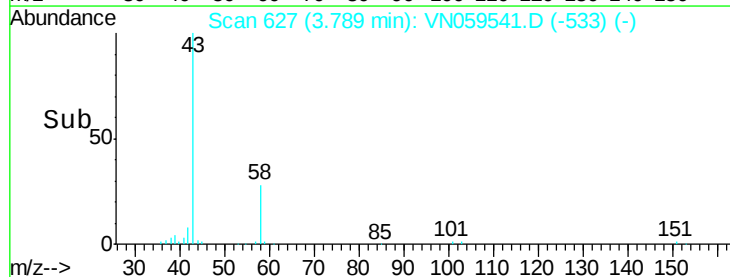
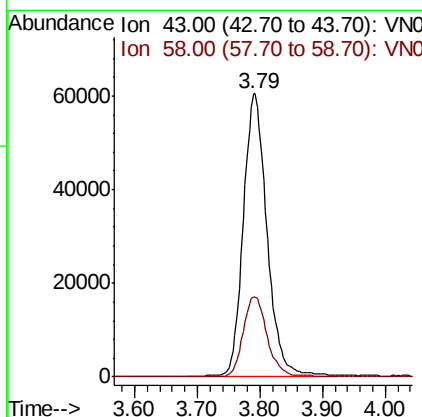
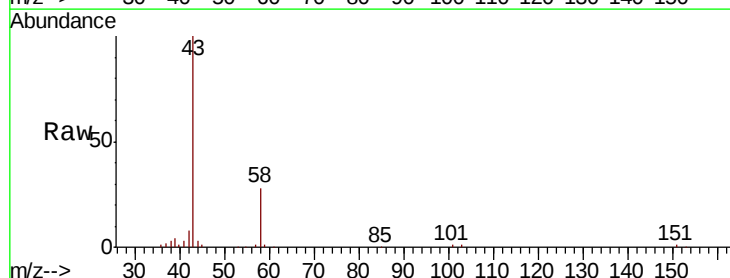
RT: 3.79 min Scan# 627

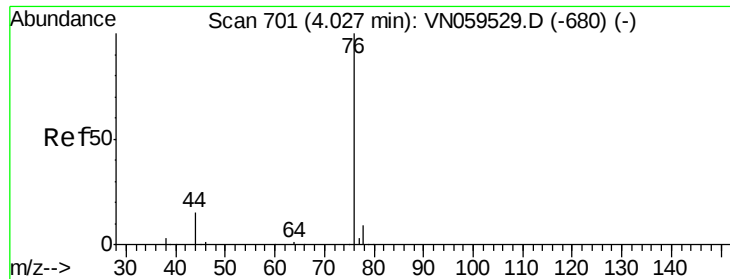
Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Tgt Ion:	43	Resp:	160020
Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.0	34.4





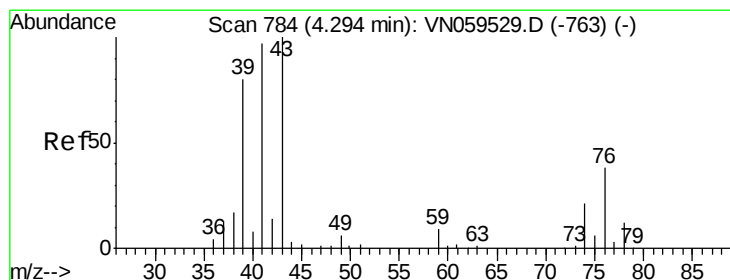
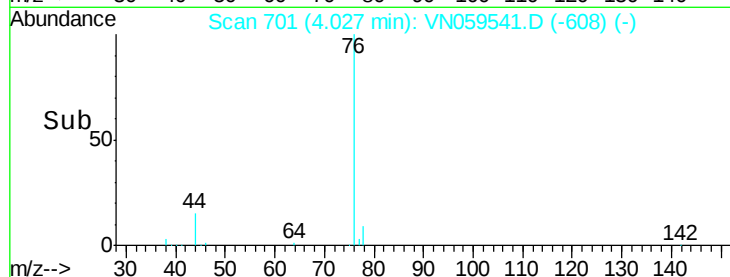
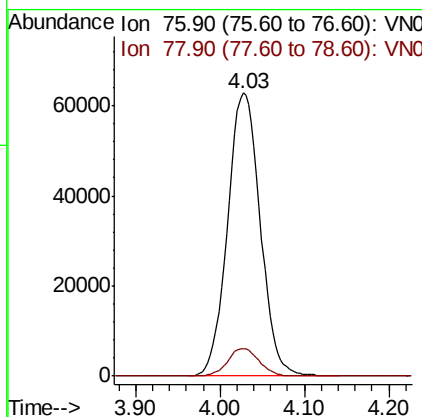
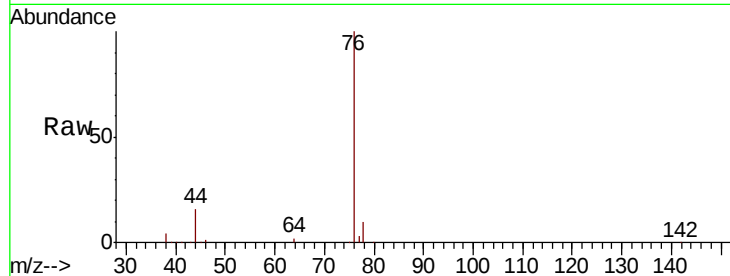
#17
Carbon Disulfide
Concen: 18.946 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.2

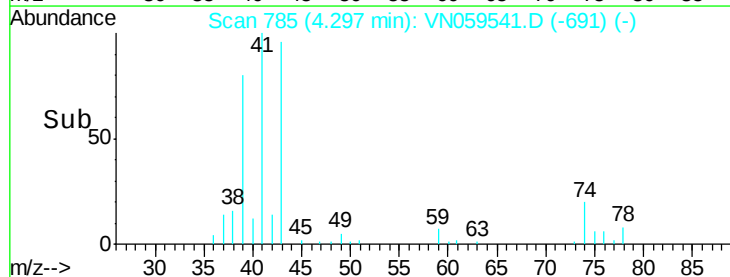
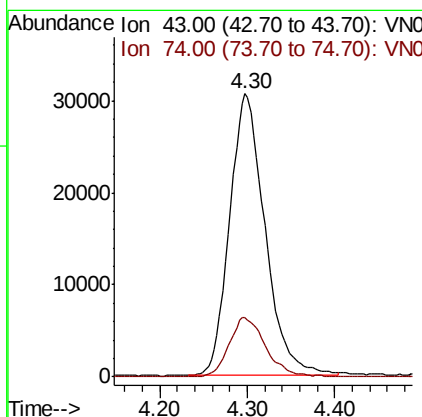
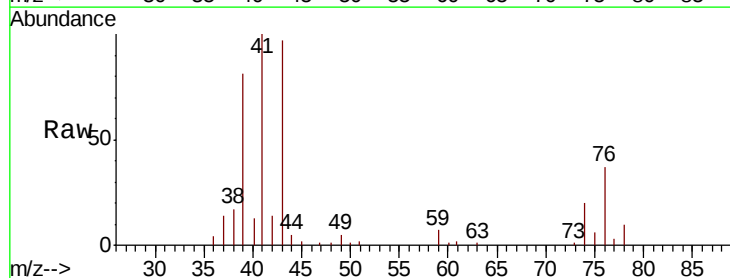
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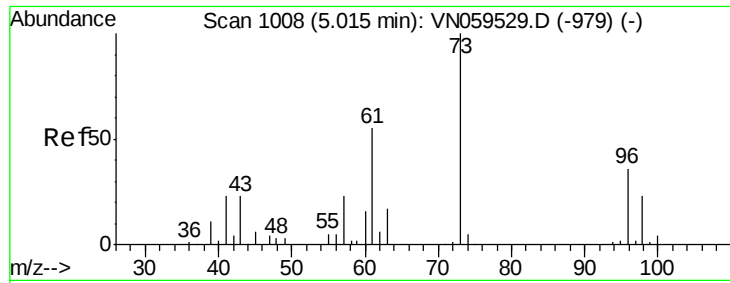
apatel
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#18
Methyl Acetate
Concen: 18.874 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.5	26.3





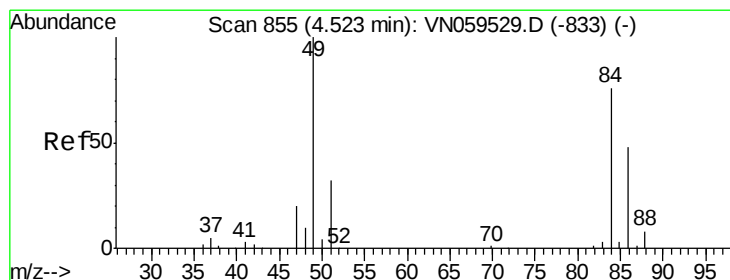
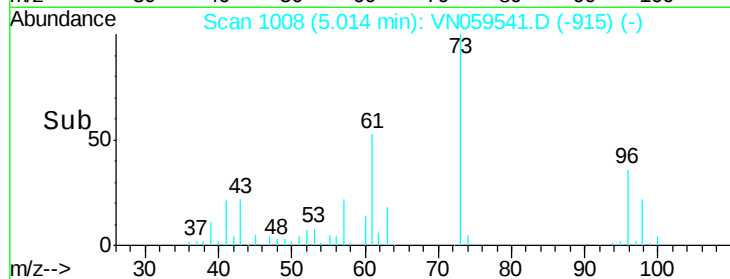
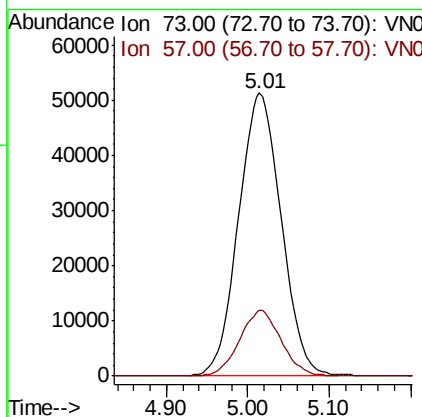
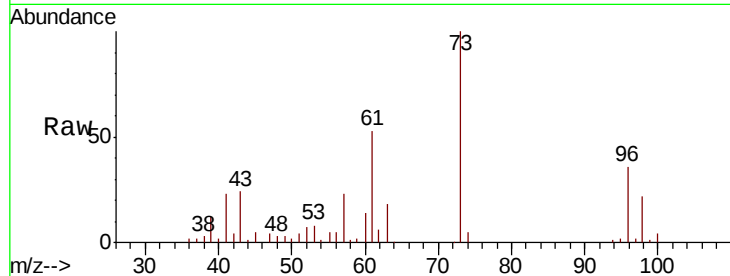
#19
Methyl tert-butyl Ether
Concen: 20.178 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 73 Resp: 185812
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

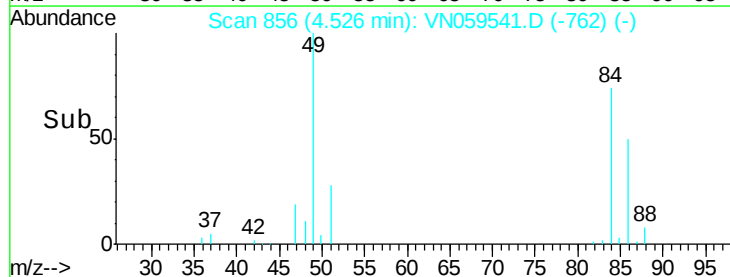
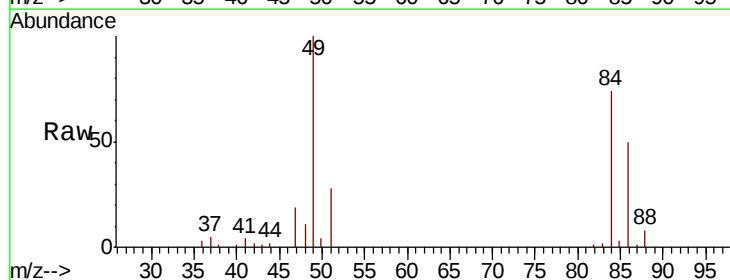
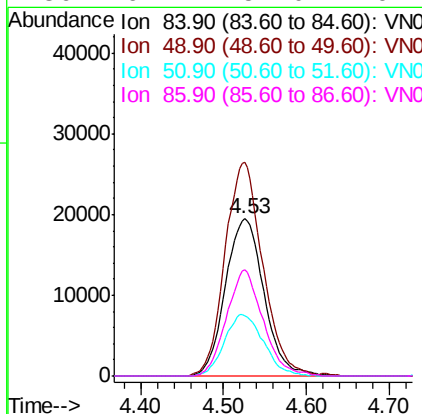
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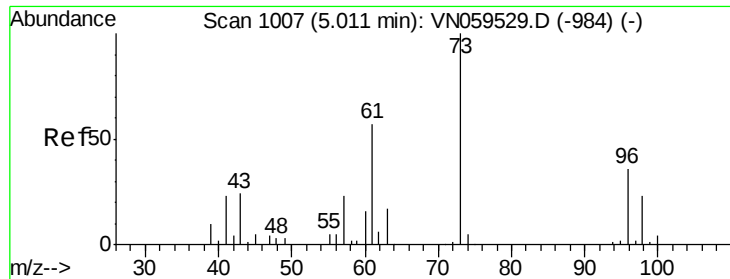
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#20
Methylene Chloride
Concen: 19.967 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 84 Resp: 63042
Ion Ratio Lower Upper
84 100
49 136.0 105.8 158.8
51 38.3 33.7 50.5
86 67.7 51.0 76.4





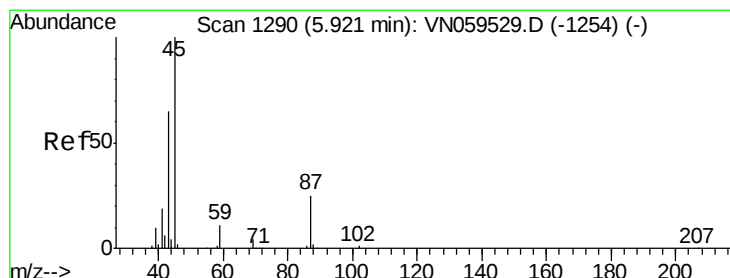
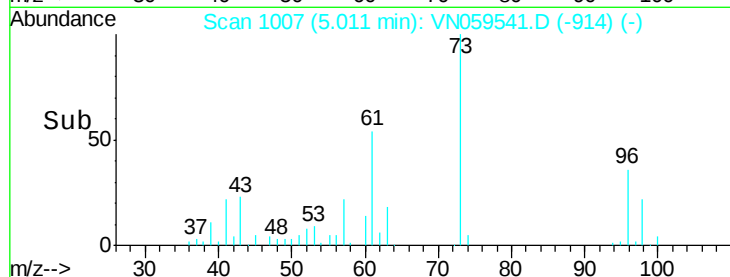
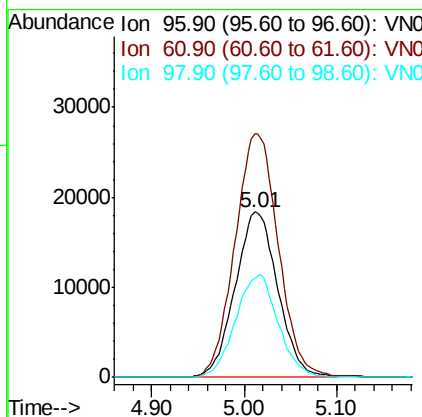
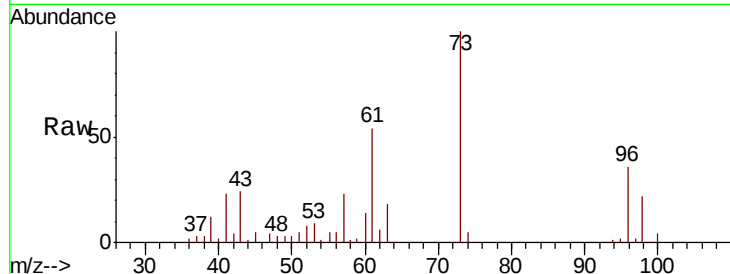
#21
trans-1,2-Dichloroethene
Concen: 19.713 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	124.8	187.2
98	60.3	51.0	76.4

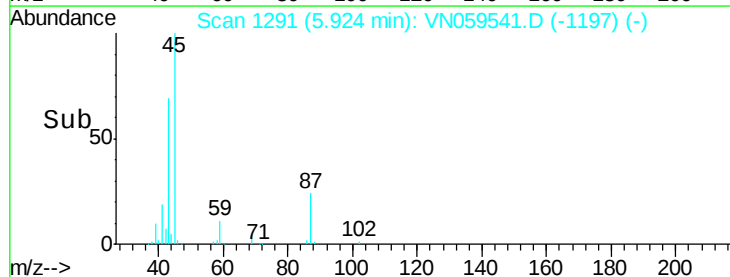
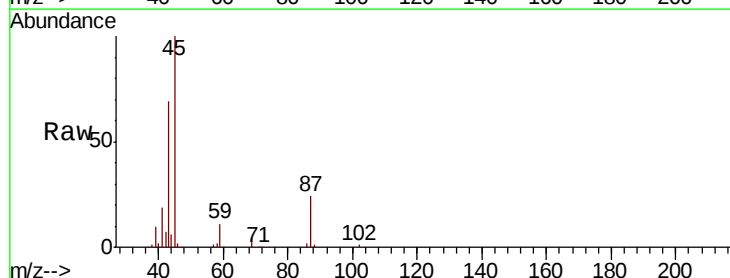
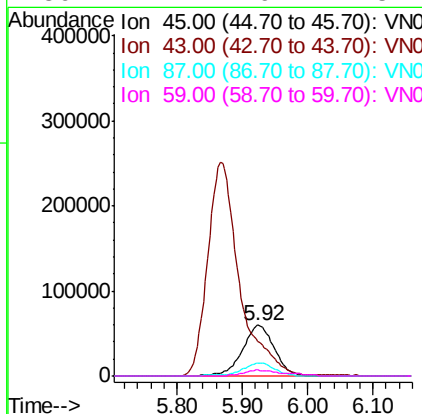
Manual Integrations
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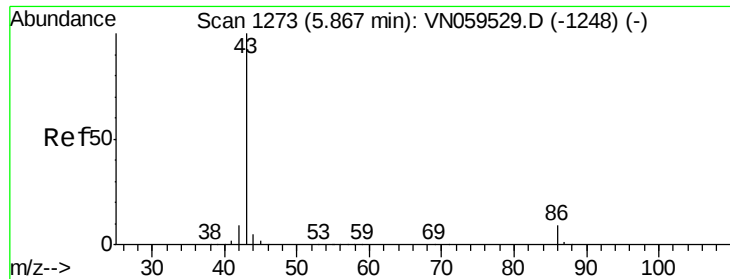
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#22
Diisopropyl ether
Concen: 19.821 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	52.8	79.2
87	24.3	20.2	30.4
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 100.605 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 851396

Ion Ratio Lower Upper

43 100

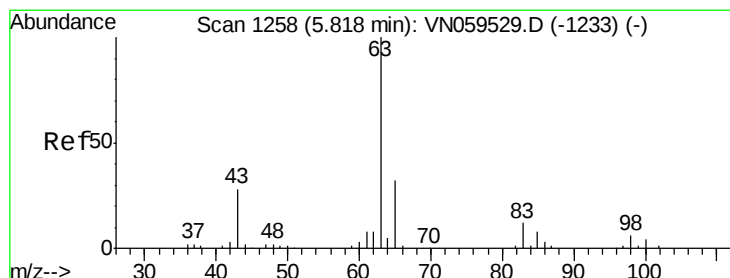
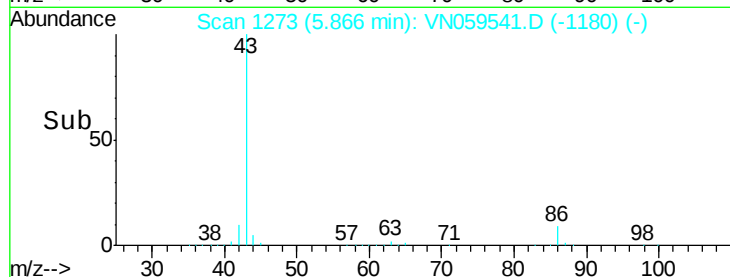
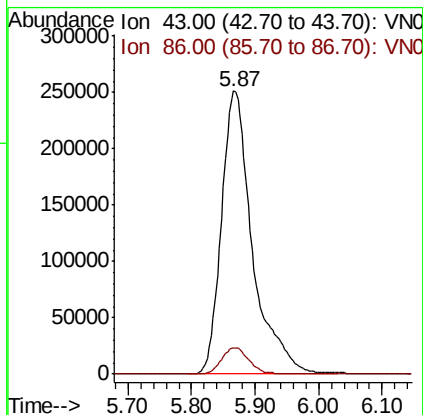
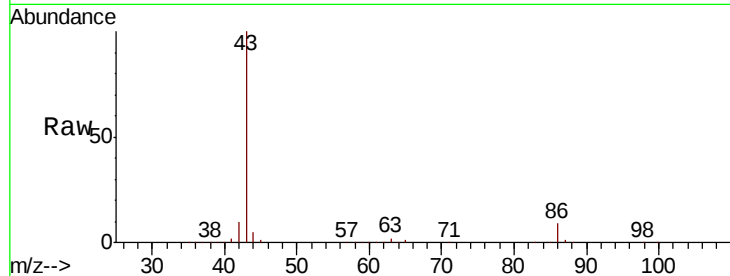
86 9.3 7.4 11.2

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#24

1,1-Dichloroethane

Concen: 19.724 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

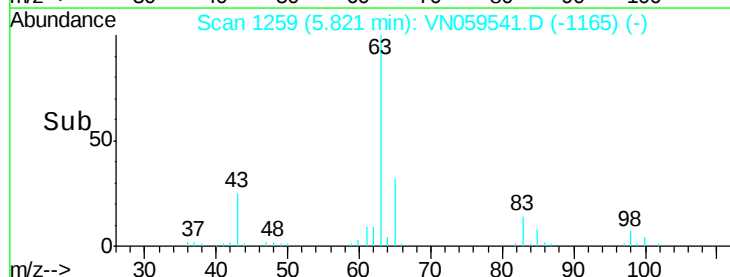
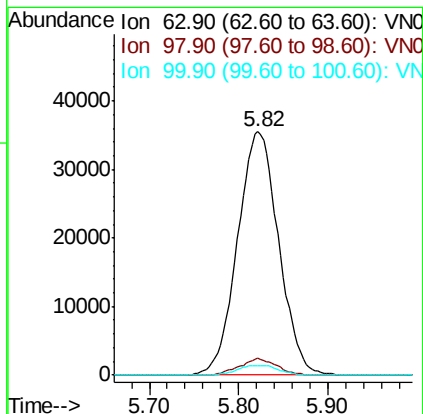
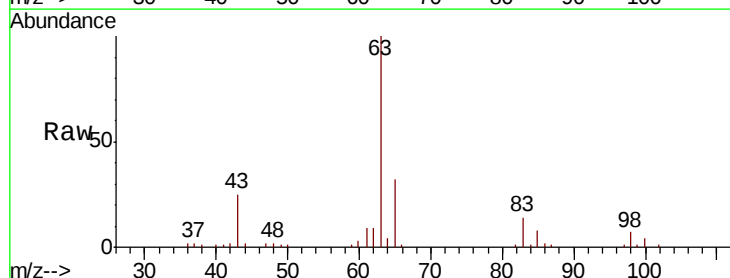
Tgt Ion: 63 Resp: 113613

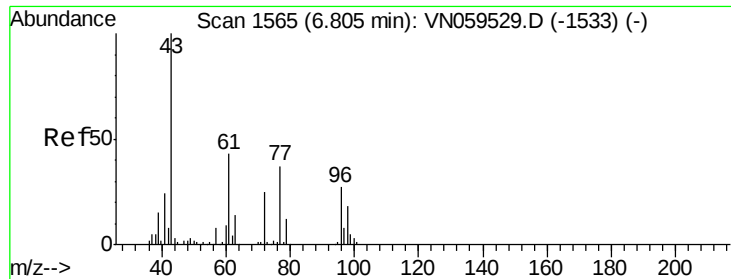
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 4.0 1.8 5.3





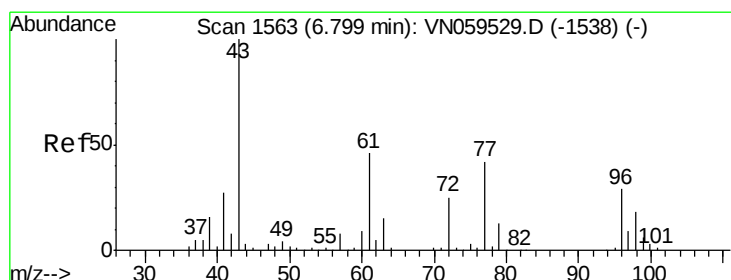
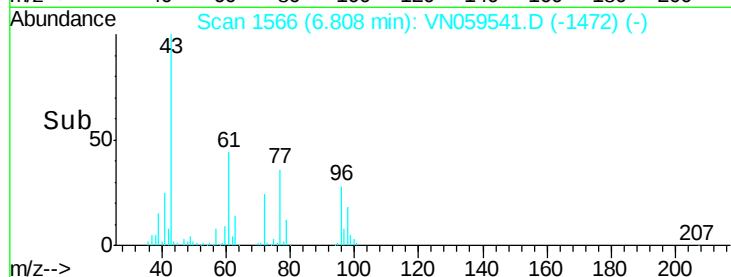
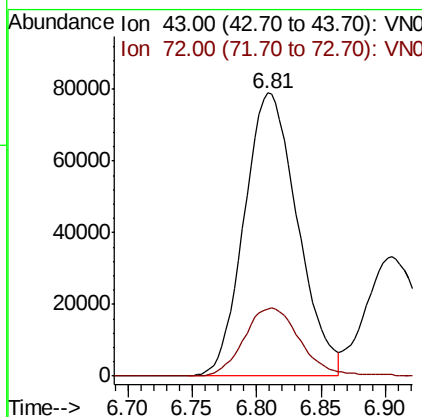
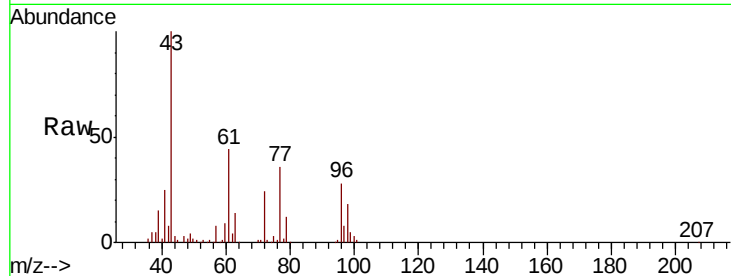
#25
2-Butanone
Concen: 97.066 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 43 Resp: 227048
Ion Ratio Lower Upper
43 100
72 24.0 19.9 29.9

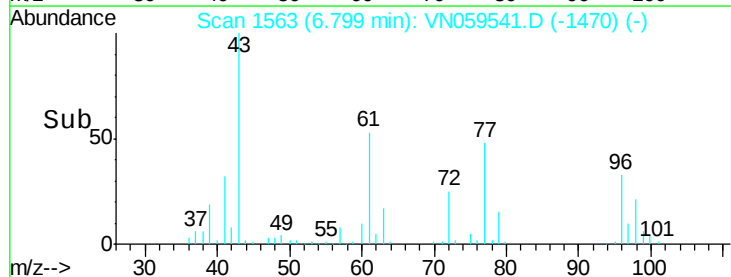
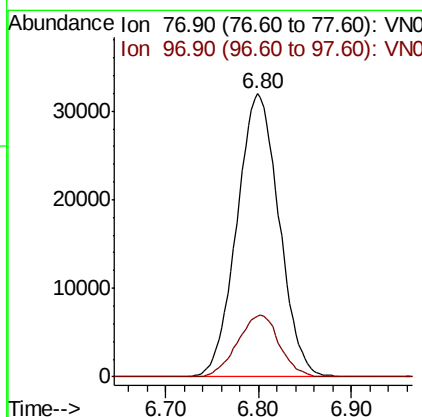
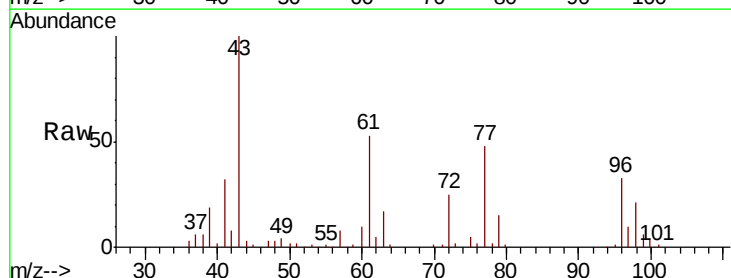
Manual Integrations
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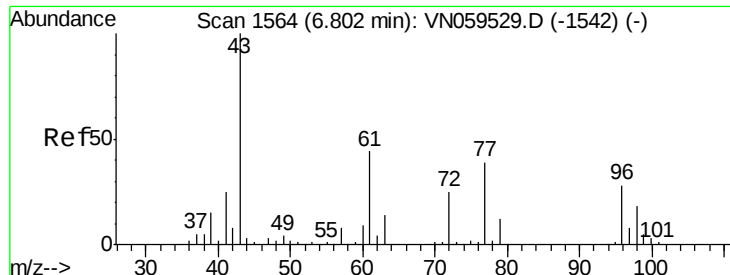
apatel
12/11/2019 2:15:53 PM



#26
2,2-Dichloropropane
Concen: 19.393 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 77 Resp: 100913
Ion Ratio Lower Upper
77 100
97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.904 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

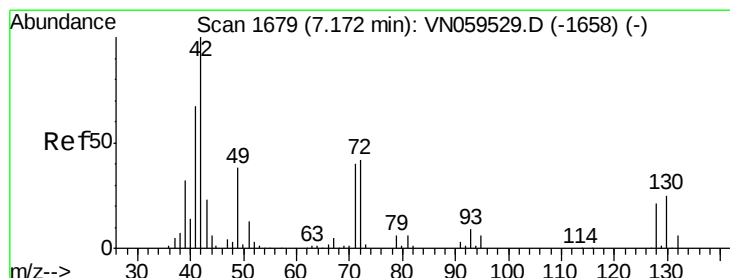
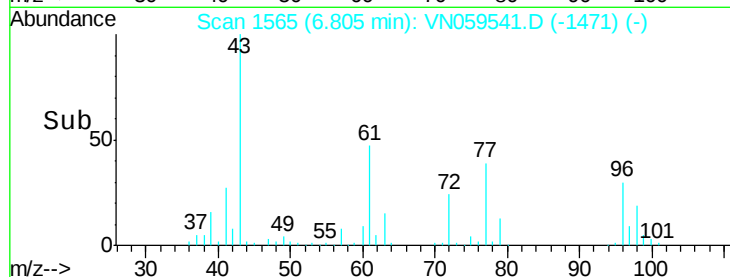
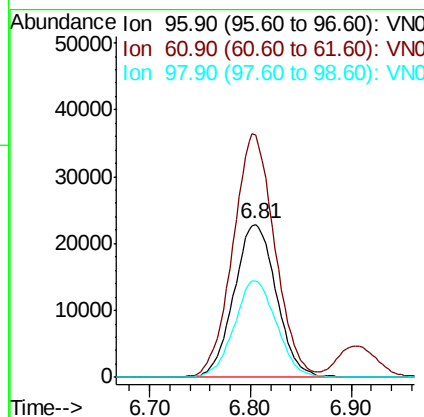
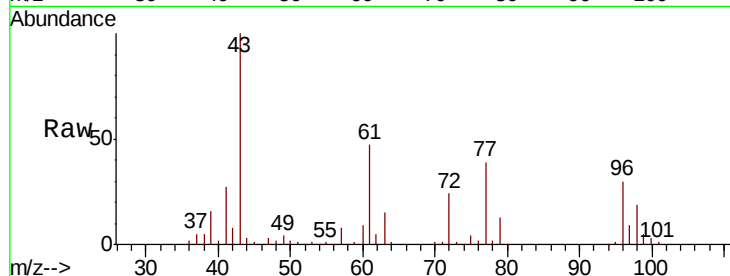
ClientSampleId :

VN1210WBS01

Tot Ion:	96	Resp:	66566
Ion	Ratio	Lower	Upper
96	100		
61	157.5	0.0	320.0
98	63.0	0.0	128.6

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#28

Bromochloromethane

Concen: 22.695 ug/l

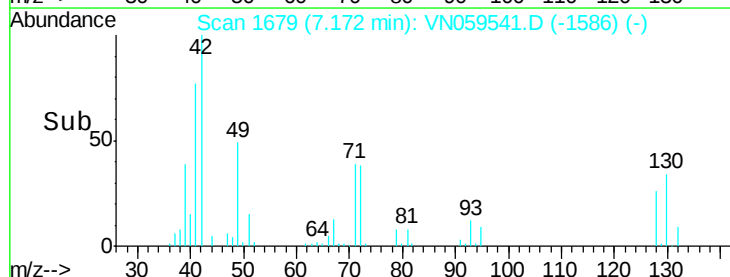
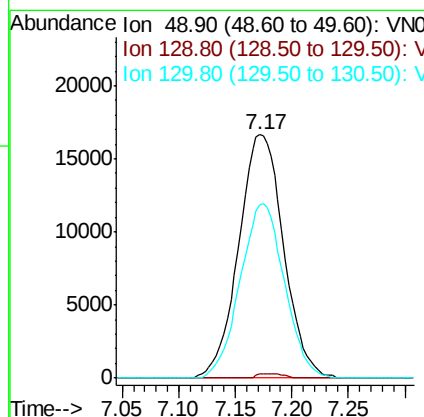
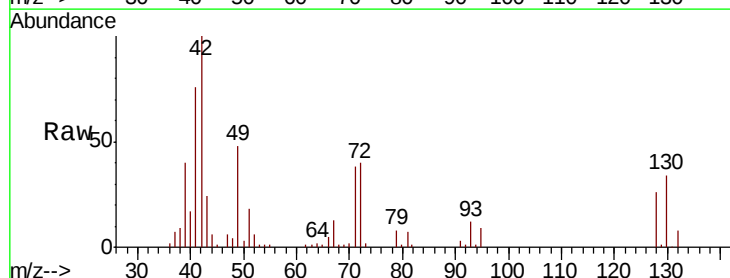
RT: 7.17 min Scan# 1679

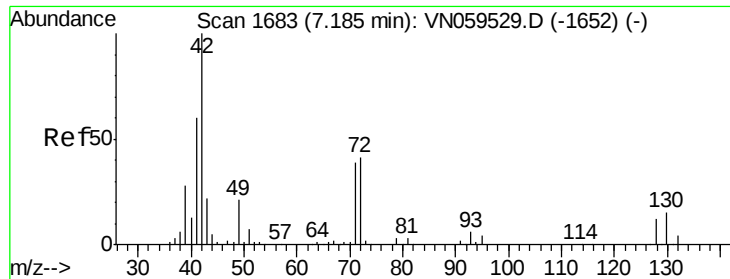
Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Tgt Ion:	49	Resp:	45932
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.0
130	70.7	54.2	81.2





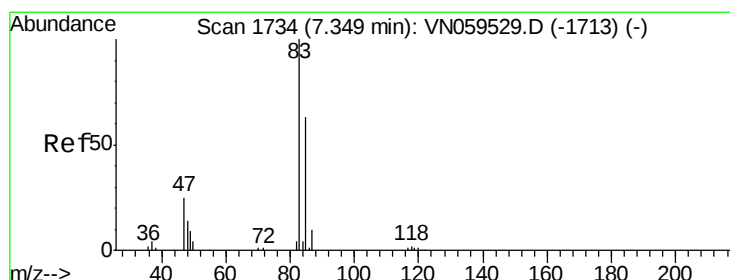
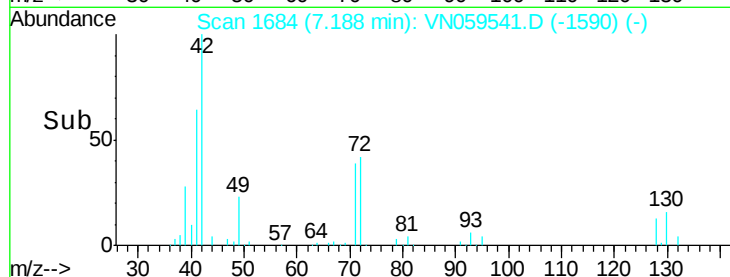
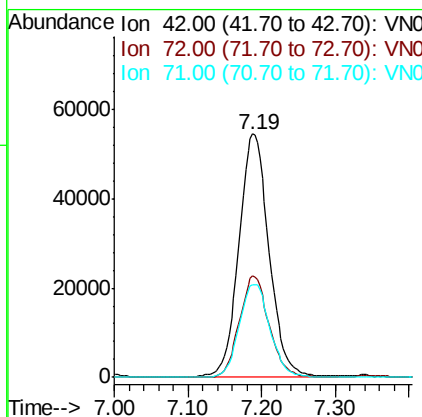
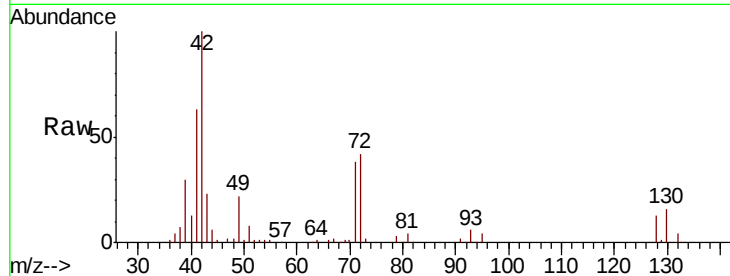
#29
Tetrahydrofuran
Concen: 96.111 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.7	49.1
71	38.7	31.4	47.2

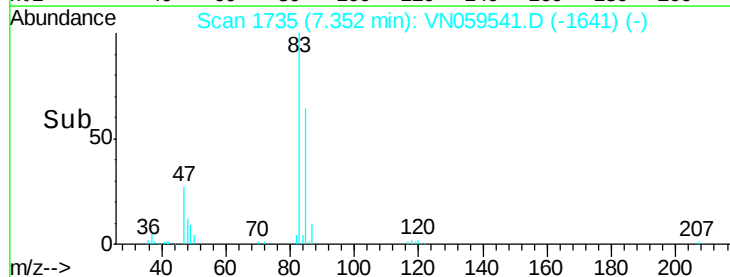
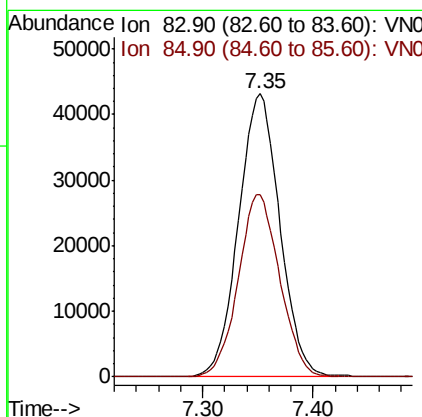
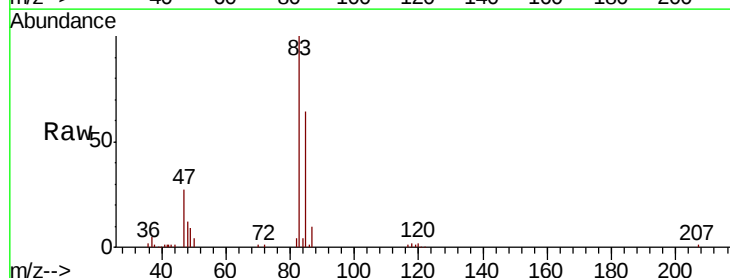
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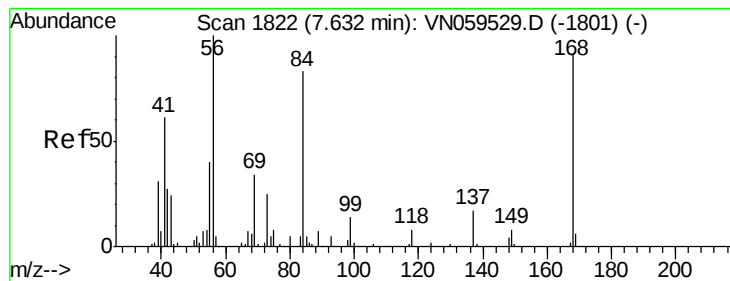
apatel
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#30
Chloroform
Concen: 19.676 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	75.8





#31

Cyclohexane

Concen: 18.486 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

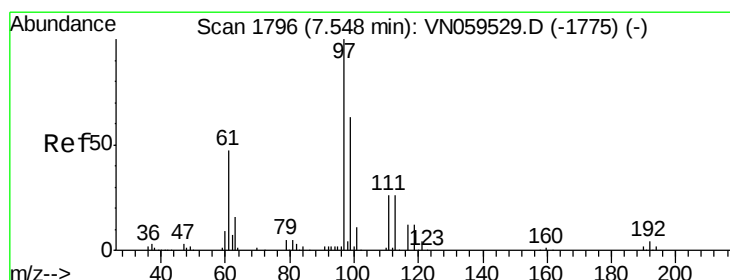
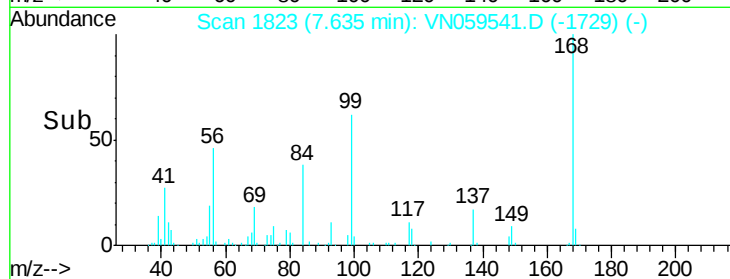
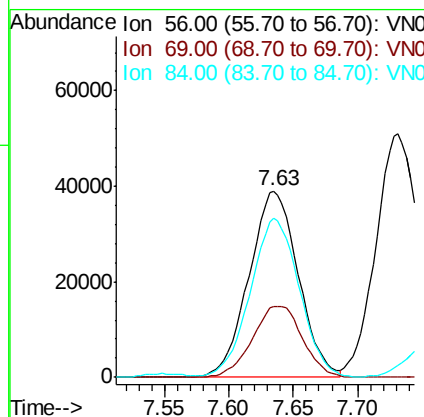
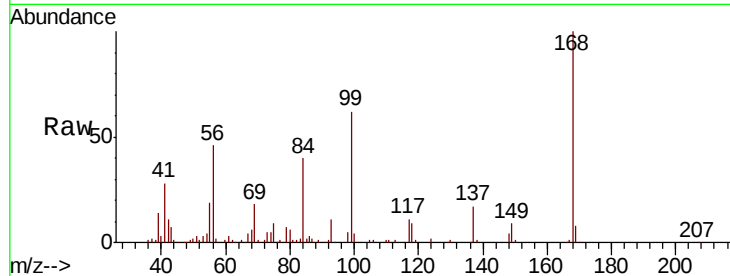
ClientSampleId :

VN1210WBS01

Tot Ion:	56	Resp:	103621
Ion Ratio	Lower	Upper	
56	100		
69	38.3	26.9	40.3
84	84.6	66.5	99.7

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#32

1,1,1-Trichloroethane

Concen: 19.781 ug/l

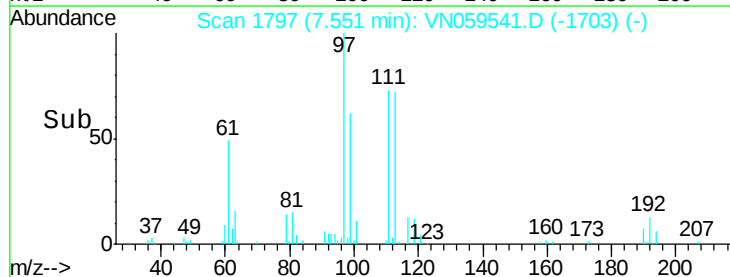
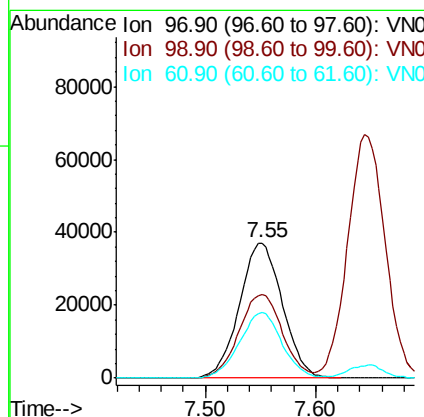
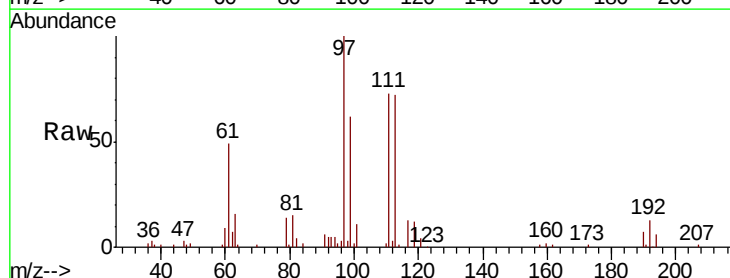
RT: 7.55 min Scan# 1797

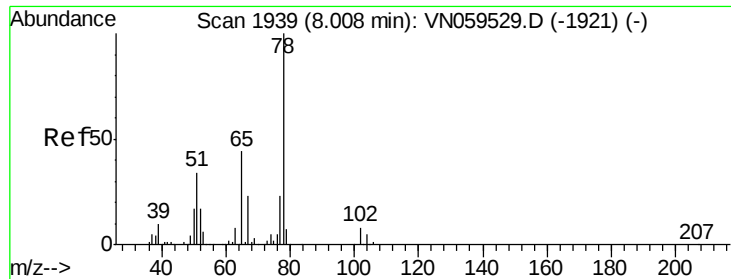
Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Tgt Ion:	97	Resp:	99757
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.4	77.2
61	48.3	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 50.987 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 65 Resp: 189672

Ion Ratio Lower Upper

65 100

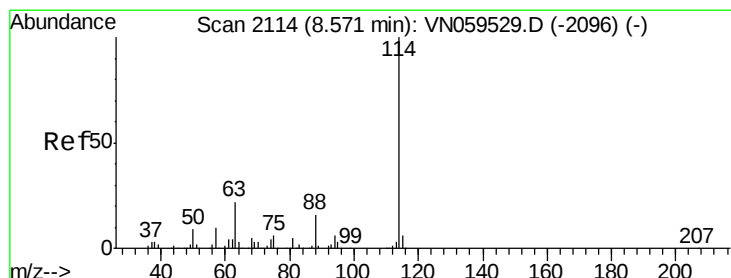
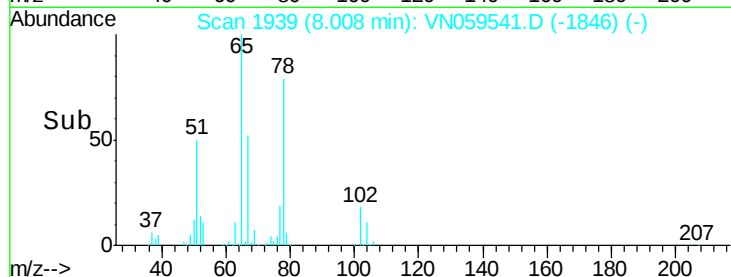
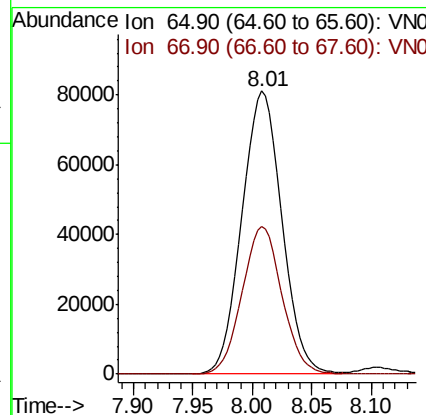
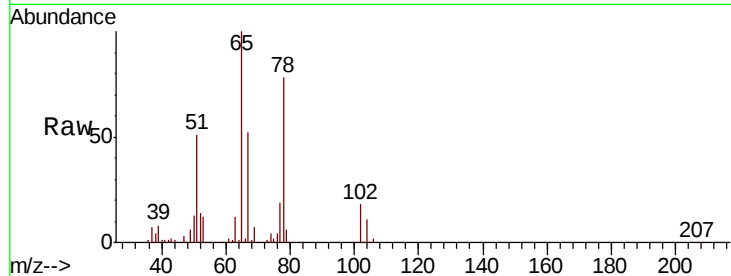
67 51.9 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

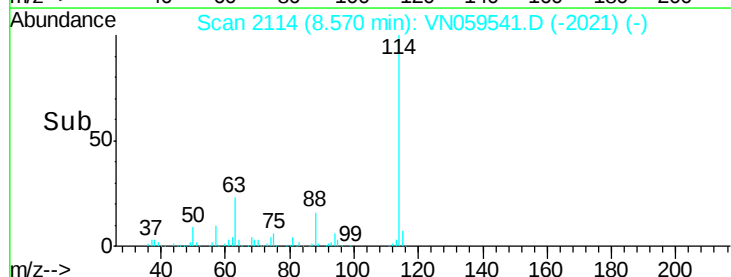
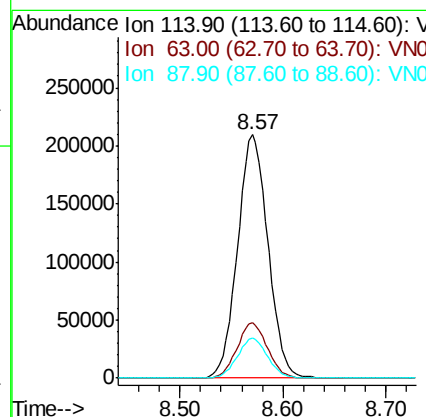
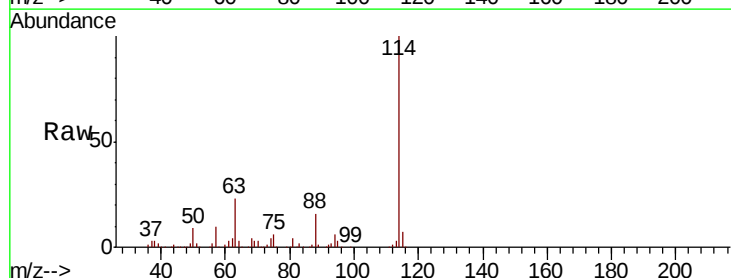
Tgt Ion: 114 Resp: 430569

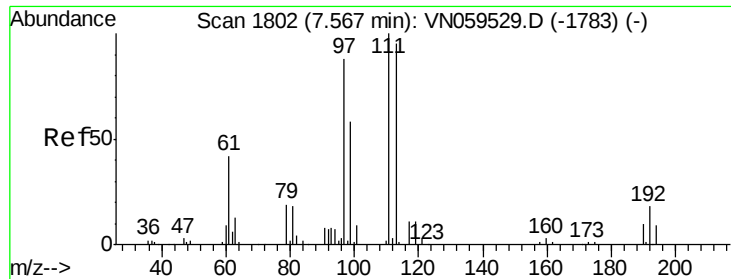
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.0

88 16.4 0.0 32.2





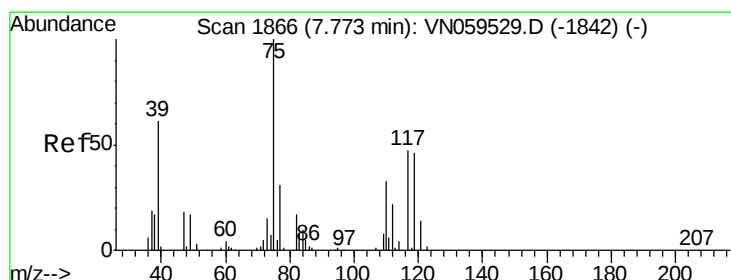
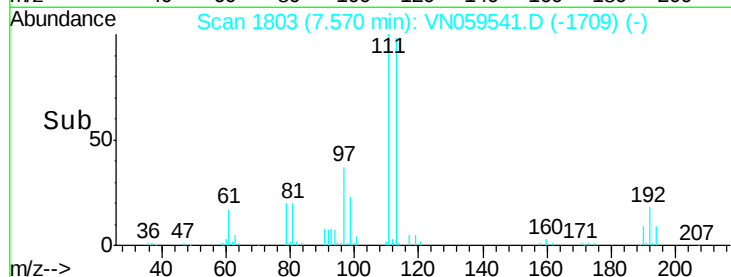
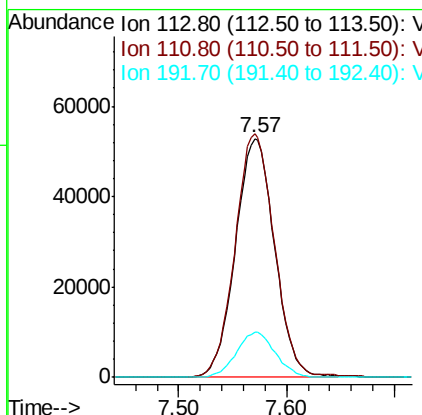
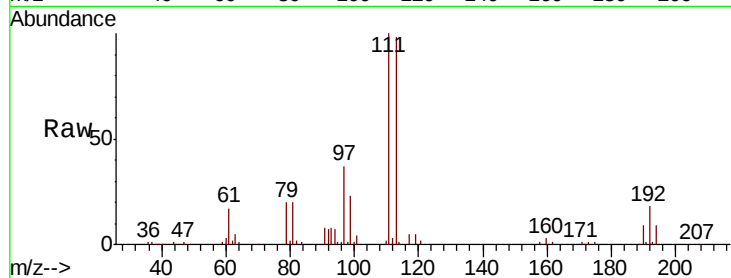
#35
Dibromofluoromethane
Concen: 51.894 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.8	82.2	123.4	
192	18.7	14.8	22.2	

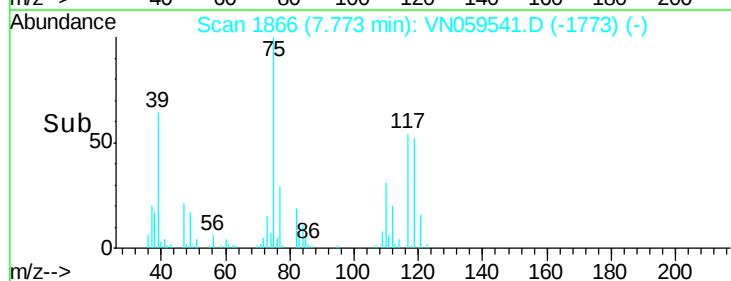
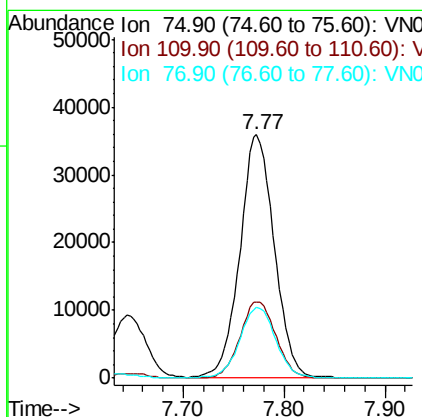
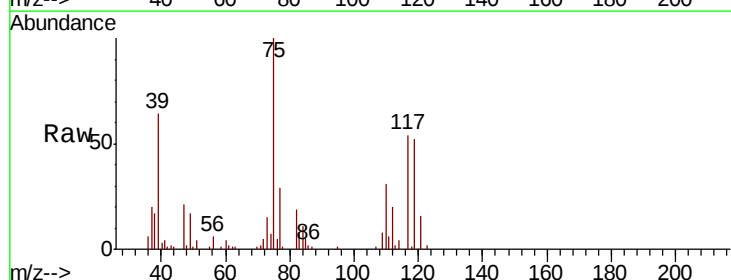
Manual Integrations
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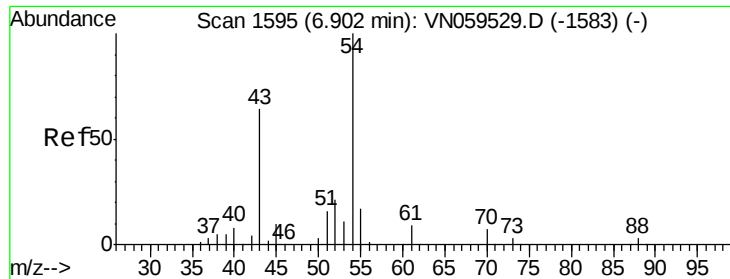
apatel
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#36
1,1-Dichloropropene
Concen: 19.252 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.4	16.7	50.0	
77	30.5	24.6	37.0	





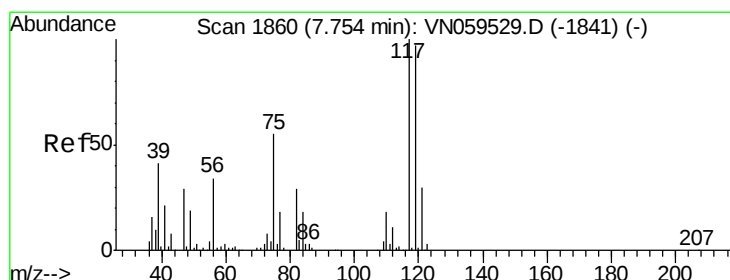
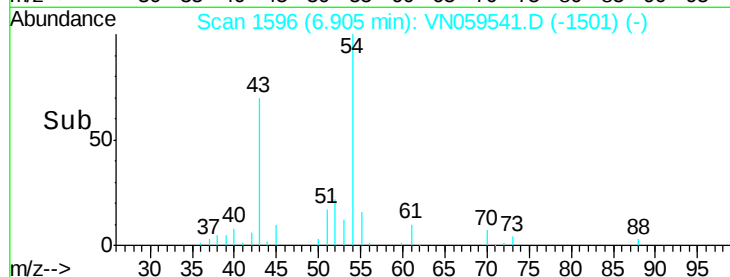
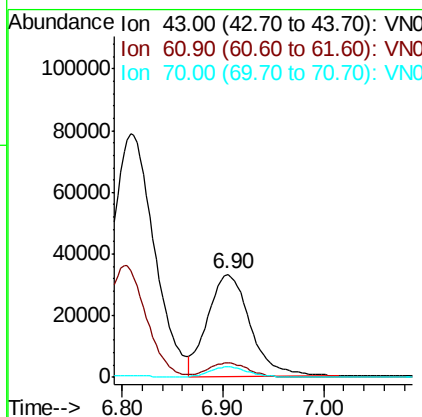
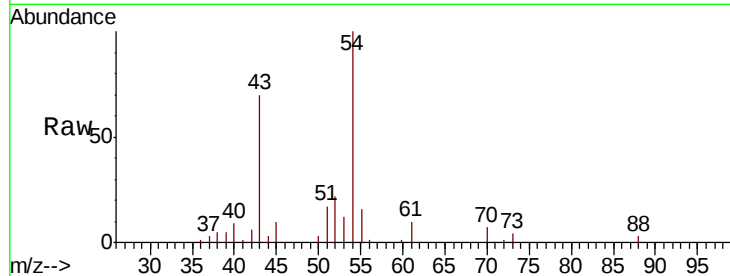
#37
Ethyl Acetate
Concen: 19.723 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.6
70	9.8	7.7	11.5

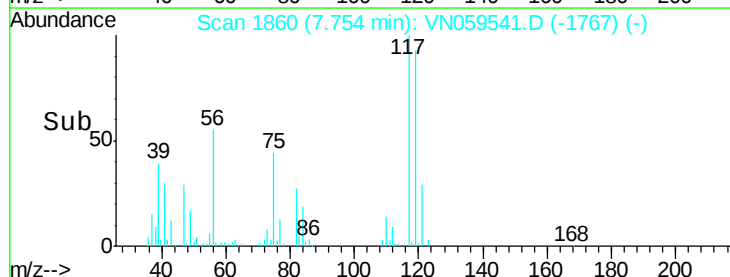
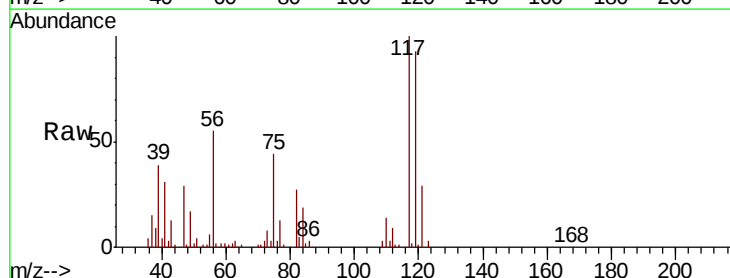
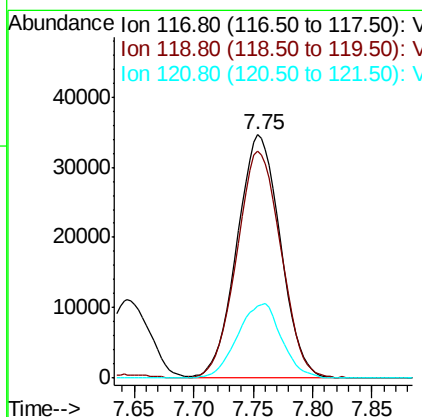
Manual Integrations
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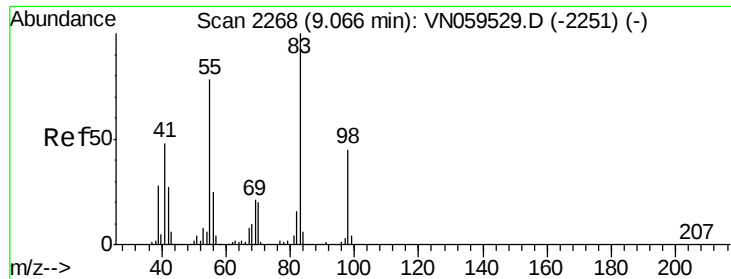
apatel
12/11/2019 2:15:53 PM



#38
Carbon Tetrachloride
Concen: 20.111 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.0	115.4
121	29.4	24.1	36.1





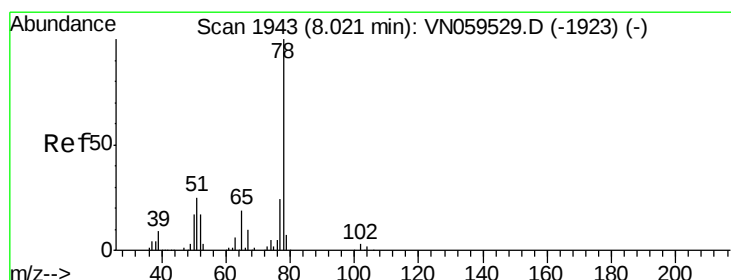
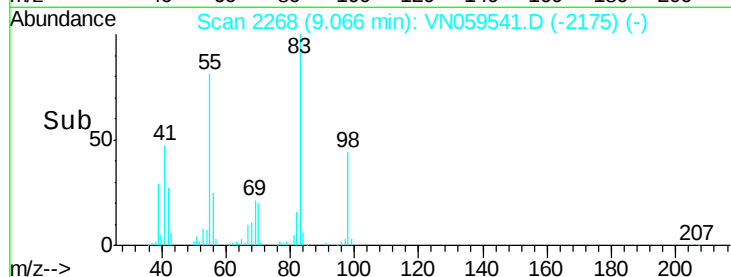
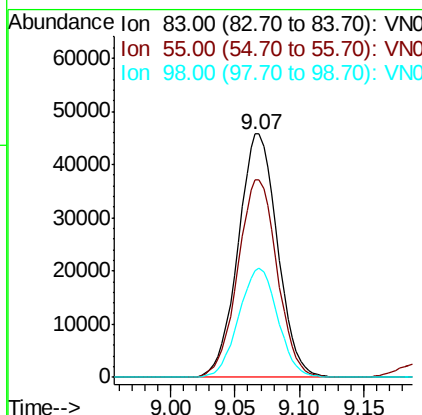
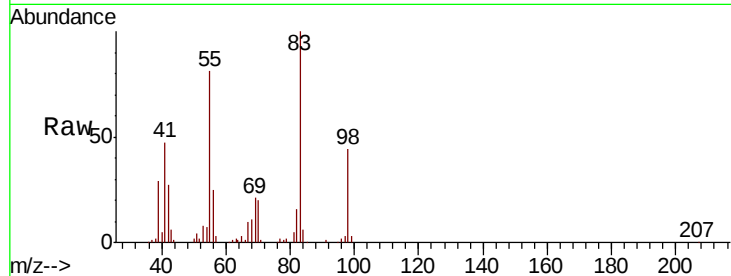
#39
Methvlcvclohexane
Concen: 19.610 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	83	Resp	97173
Ion Ratio	Lower	Upper	
83	100		
55	81.2	62.7	94.1
98	43.6	35.7	53.5

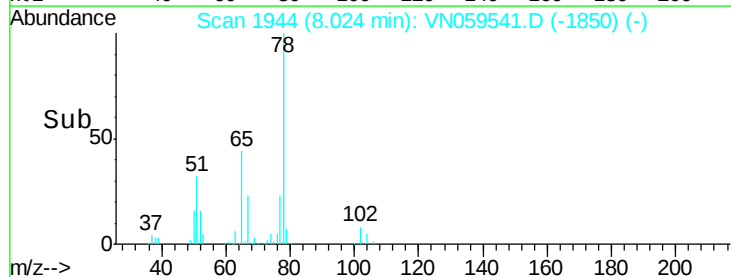
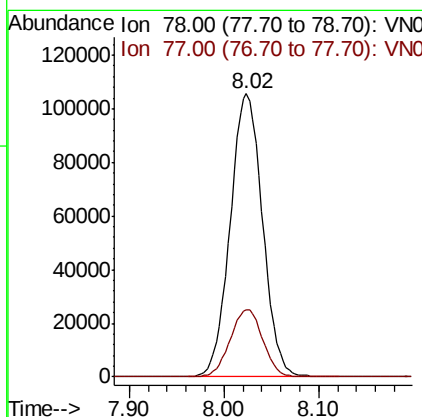
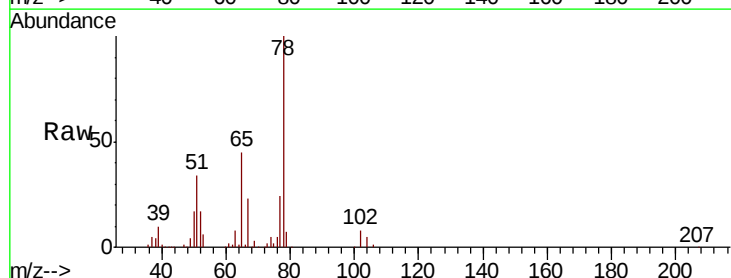
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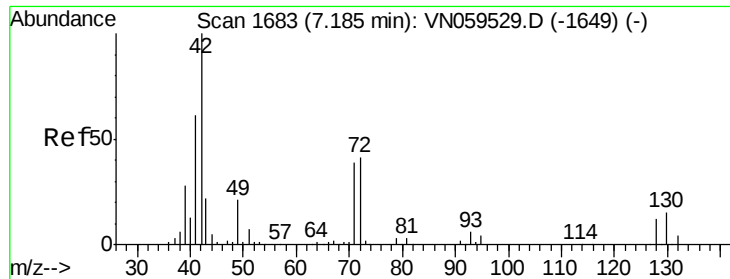
apatel
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#40
Benzene
Concen: 19.893 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	78	Resp	251044
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.8	28.2





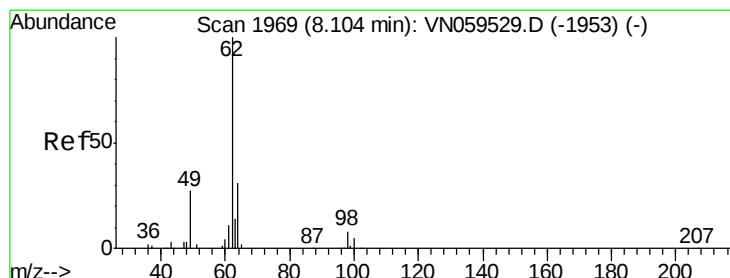
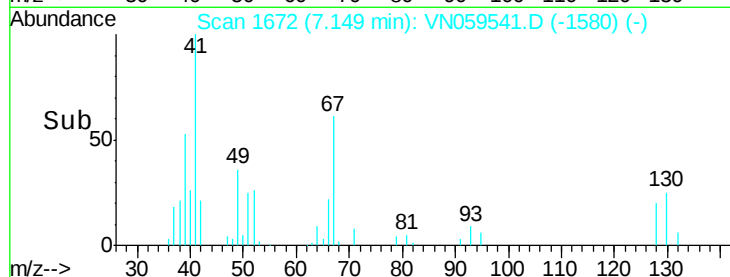
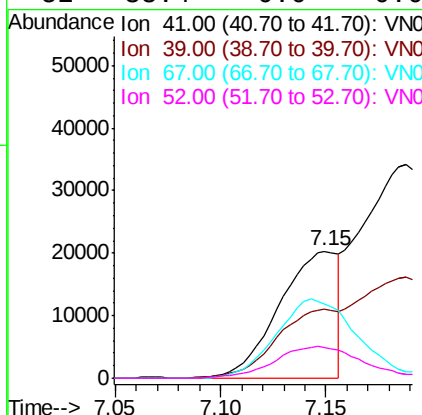
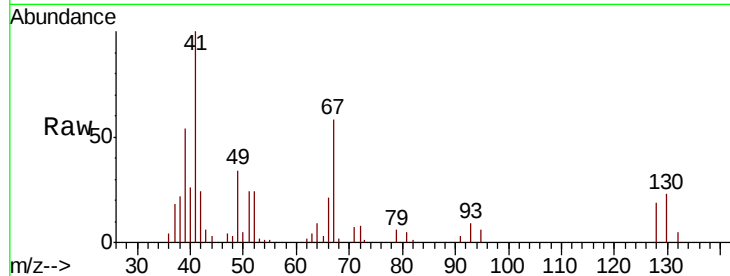
#41
Methacrylonitrile
Concen: 18.372 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampled :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.1	0.0	0.0#
67	87.0	0.0	0.0#
52	38.4	0.0	0.0#

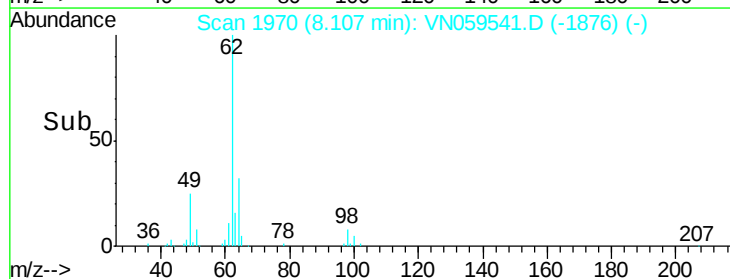
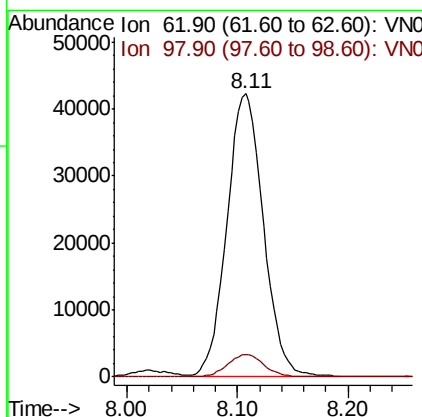
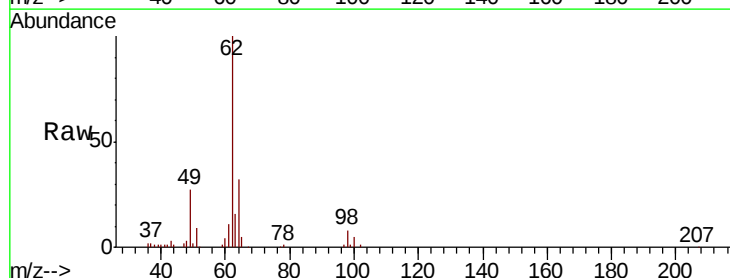
Manual Integrations
APPROVED

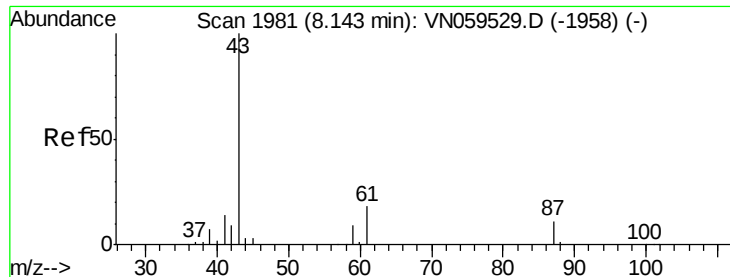
apatel
12/11/2019 2:15:53 PM



#42
1,2-Dichloroethane
Concen: 20.674 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.4





#43

Isopropyl Acetate

Concen: 19.926 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

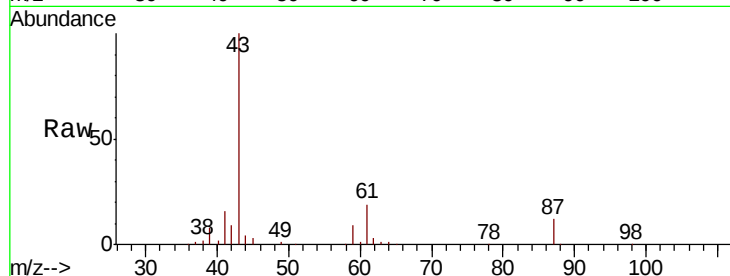
ClientSampleId :

VN1210WBS01

Tot Ion:	43	Resp:	151948
Ion	Ratio	Lower	Upper
43	100		
61	25.1	19.8	29.6
87	11.7	9.4	14.2

Manual Integrations
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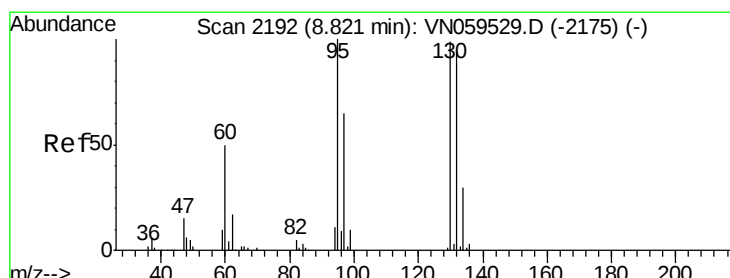
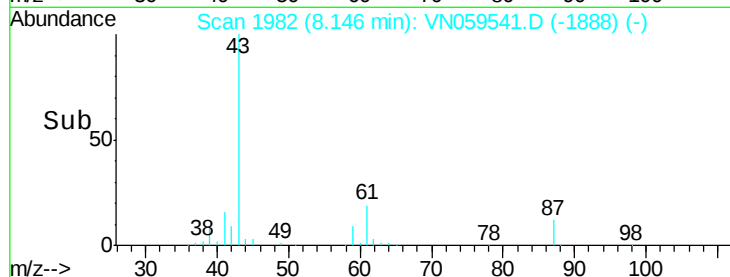
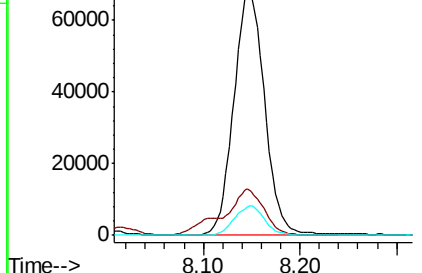
apatel
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Abundance Ion 43.00 (42.70 to 43.70): VN059541.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059541.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059541.D (-1888) (-)



#44

Trichloroethene

Concen: 20.170 ug/l

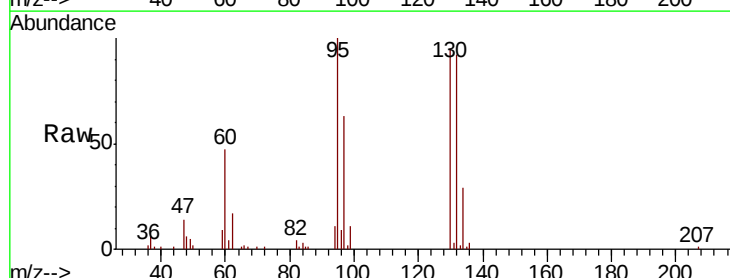
RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059541.D

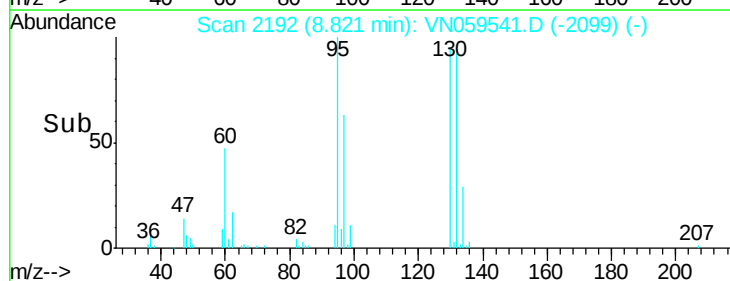
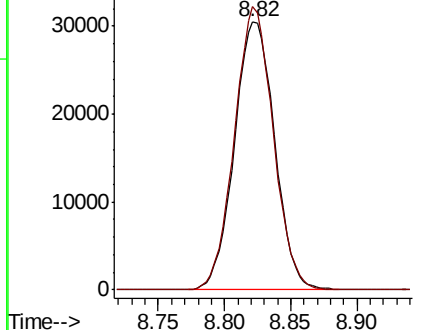
Acq: 10 Dec 2019 12:58

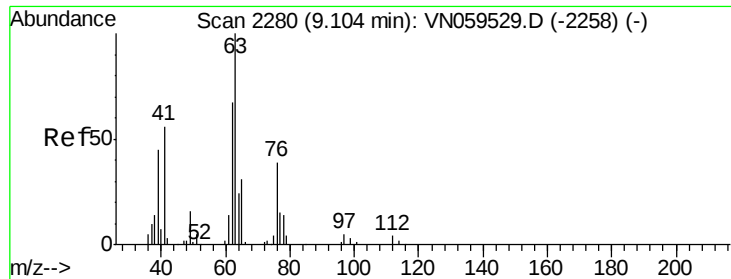
Tgt Ion:	130	Resp:	64304
Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	202.0



Abundance Ion 129.80 (129.50 to 130.50): VN059541.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN059541.D (-2099) (-)





#45

1,2-Dichloropropane

Concen: 20.100 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 63 Resp: 67196

Ion Ratio Lower Upper

63 100

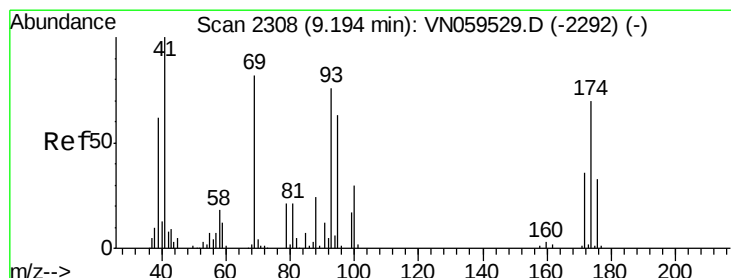
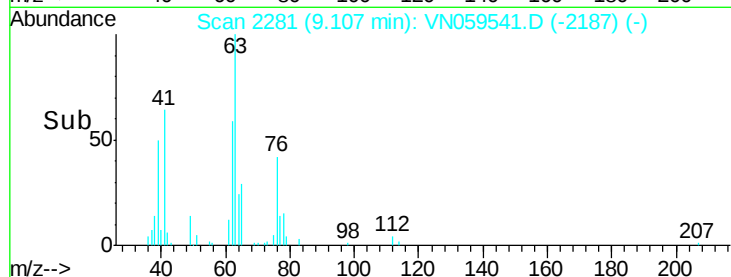
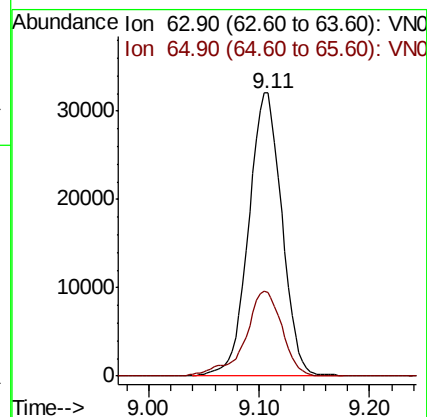
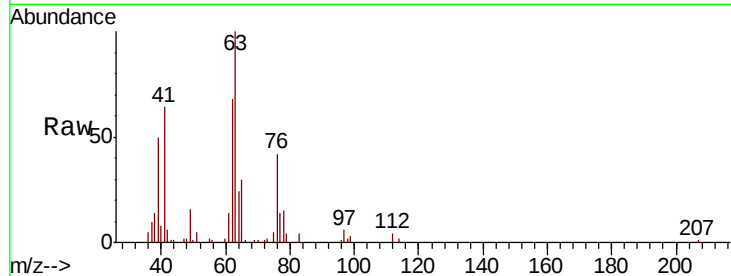
65 29.6 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 19.569 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

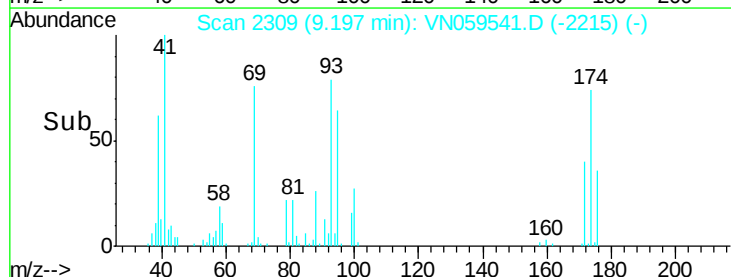
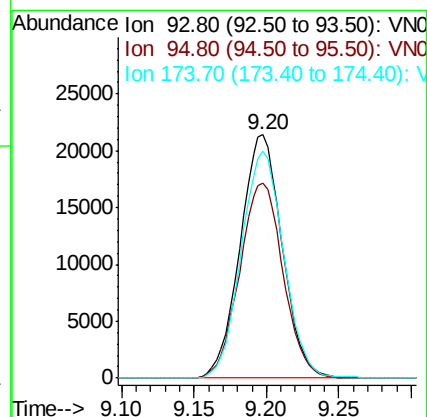
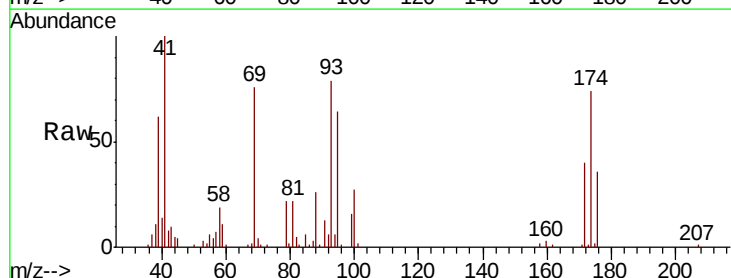
Tgt Ion: 93 Resp: 43235

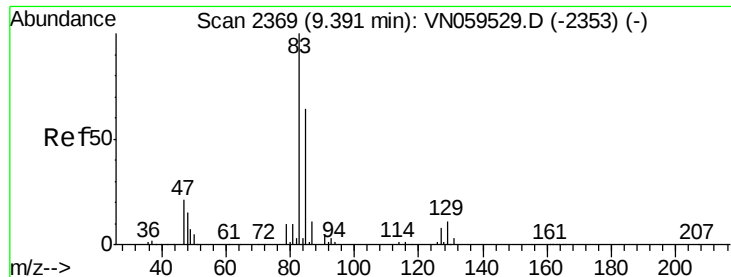
Ion Ratio Lower Upper

93 100

95 82.7 67.0 100.6

174 94.2 75.6 113.4





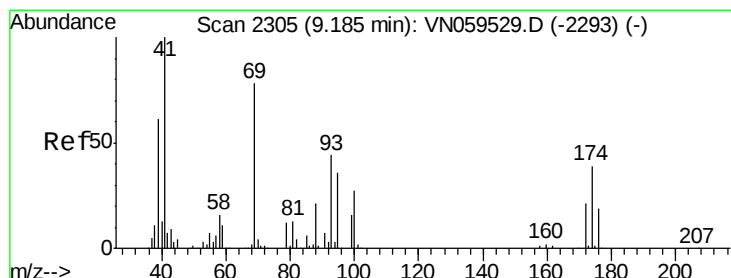
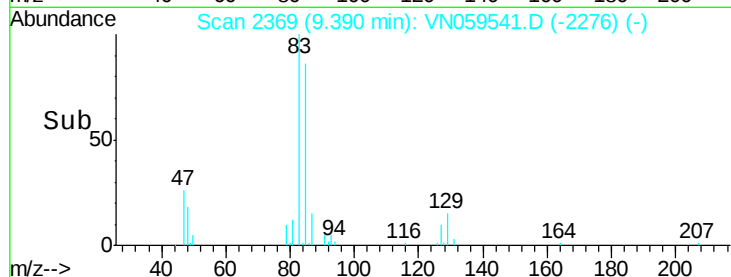
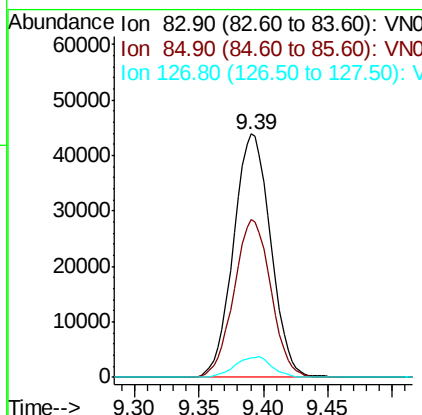
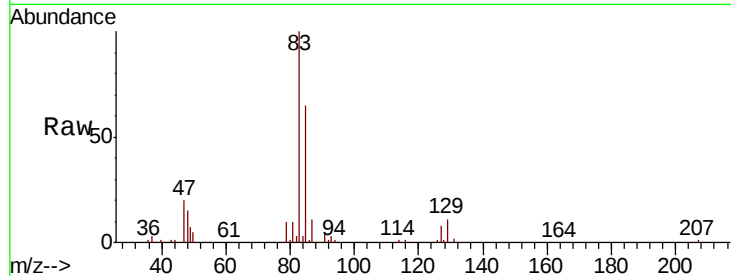
#47
Bromodichloromethane
Concen: 20.076 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	83	Resp	88150
Ion Ratio	100		
85	64.7	51.4	77.0
127	7.8	6.7	10.1

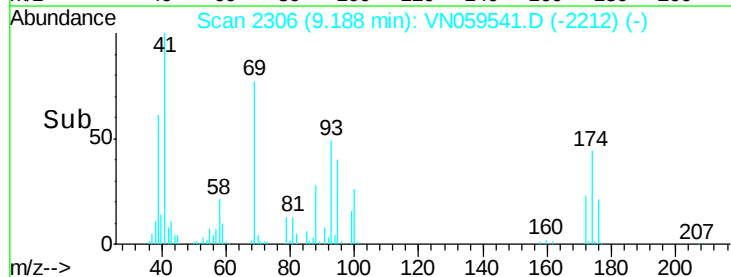
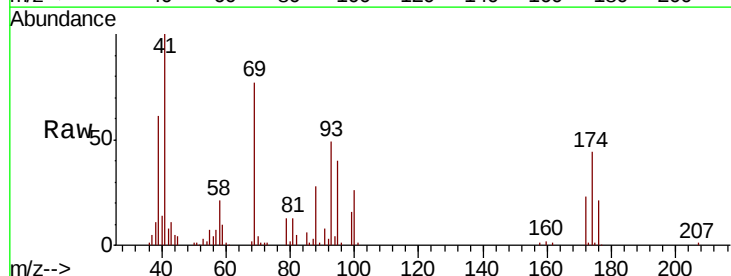
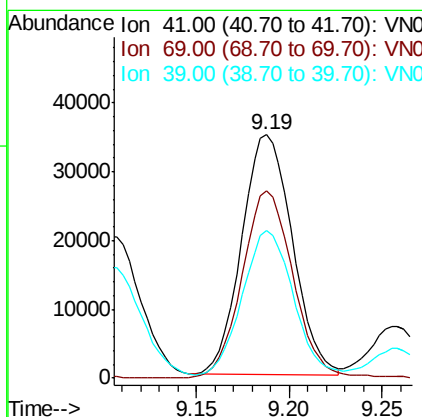
Manual Integrations
APPROVED

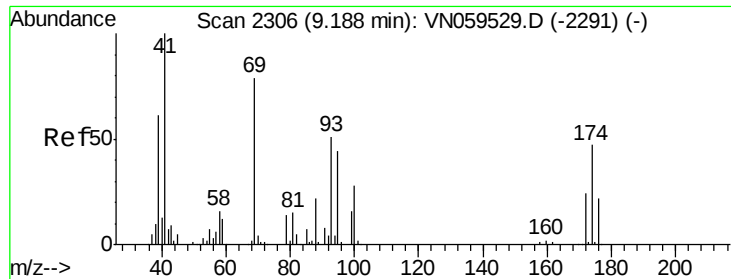
apatel
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#48
Methyl methacrylate
Concen: 19.887 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	41	Resp	66307
Ion Ratio	100		
69	79.0	64.0	96.0
39	62.3	50.0	75.0





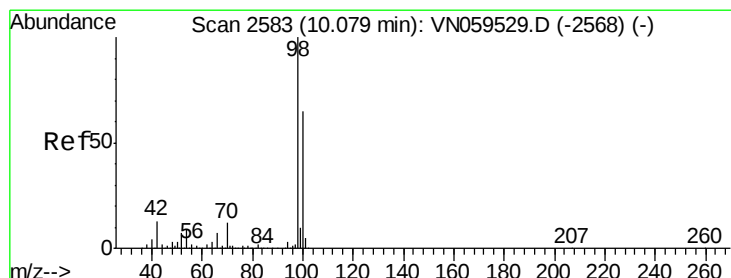
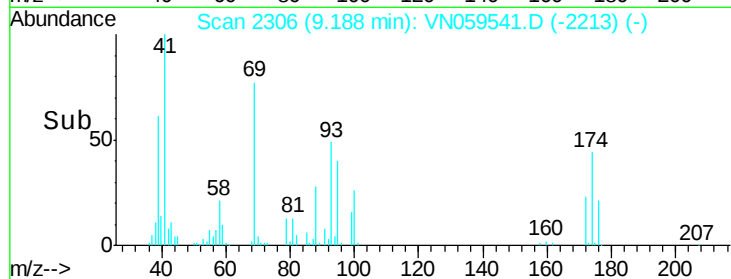
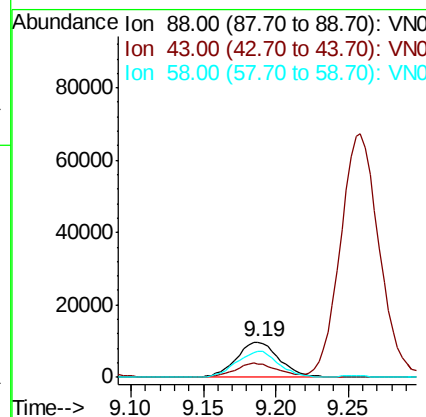
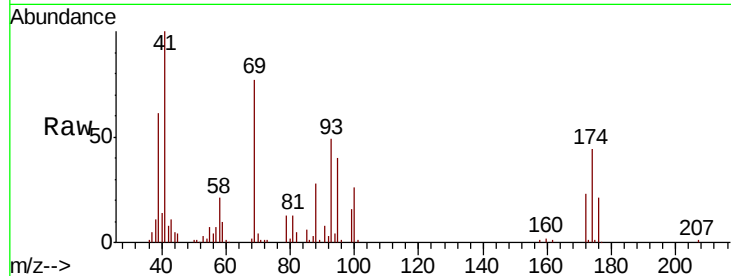
#49
1,4-Dioxane
Concen: 469.459 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	31.4	47.0
58	72.9	61.0	91.6

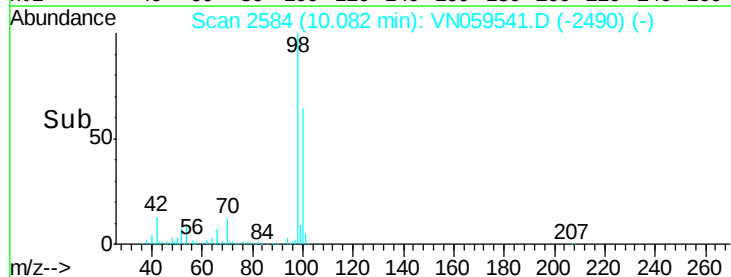
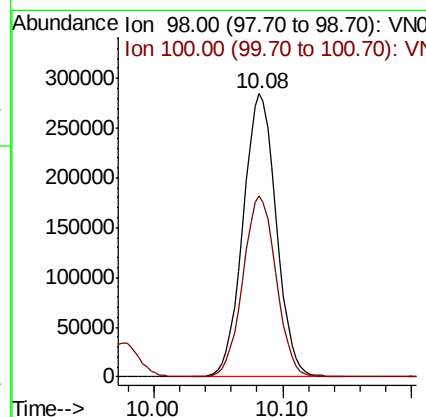
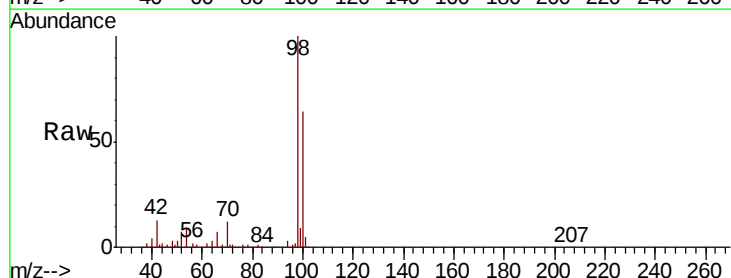
Manual Integrations
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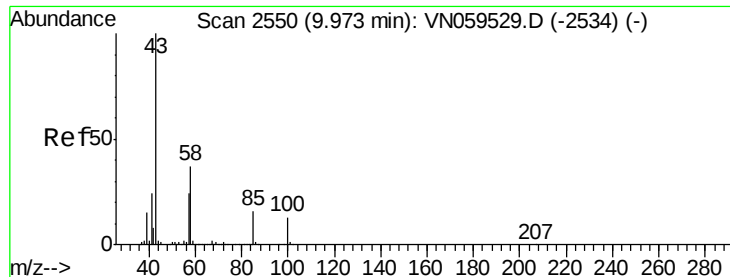
apatel
12/11/2019 2:15:53 PM



#50
Toluene-d8
Concen: 48.584 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 96.703 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 43 Resp: 470943

Ion Ratio Lower Upper

43 100

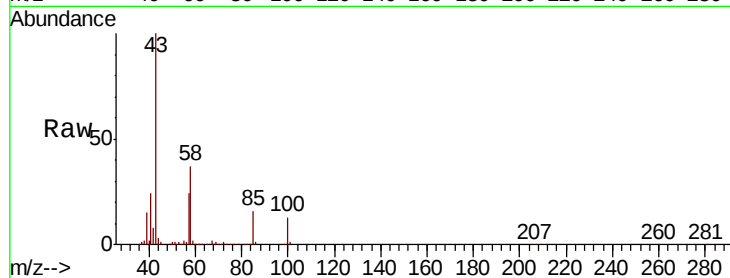
58 37.0 30.1 45.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

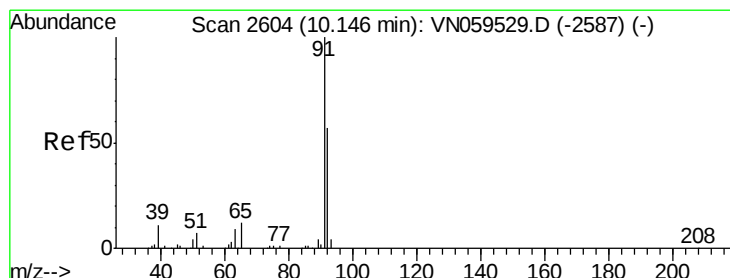
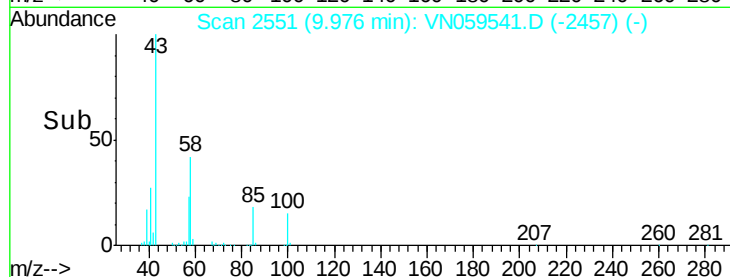
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.009 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059541.D

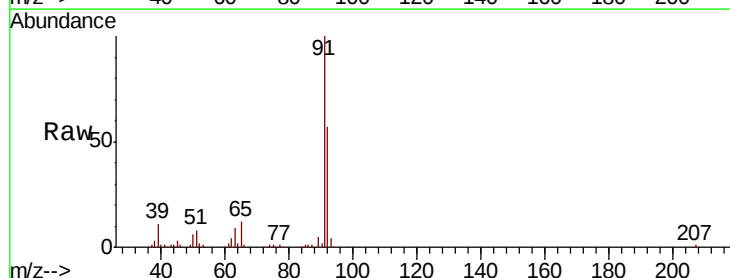
Acq: 10 Dec 2019 12:58

Tgt Ion: 92 Resp: 150445

Ion Ratio Lower Upper

92 100

91 174.5 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

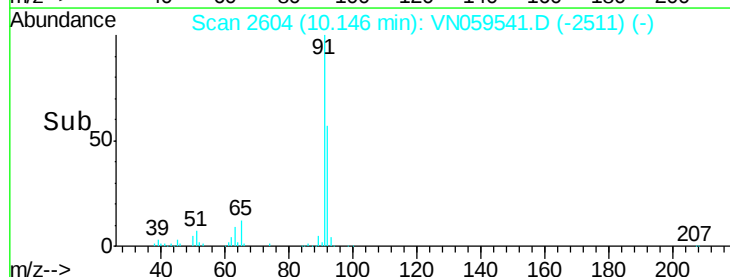
150000

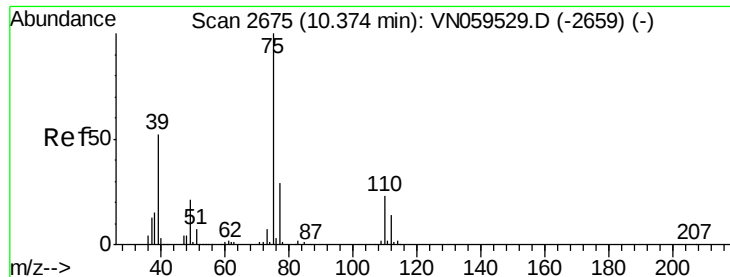
100000

50000

0

Time-->





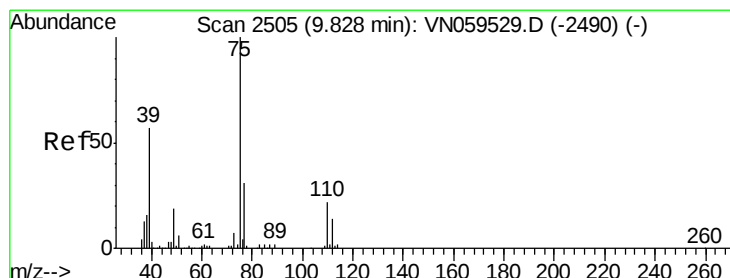
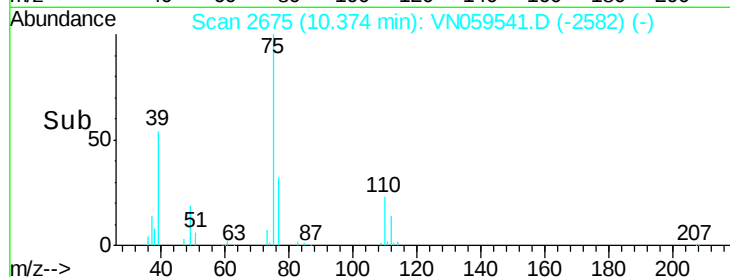
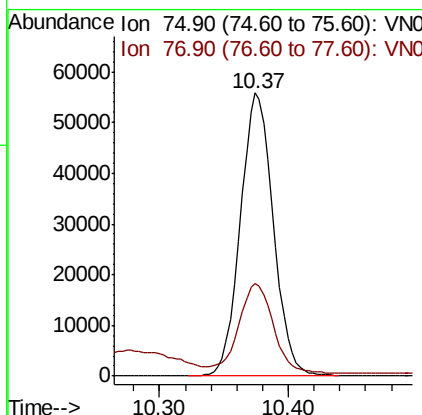
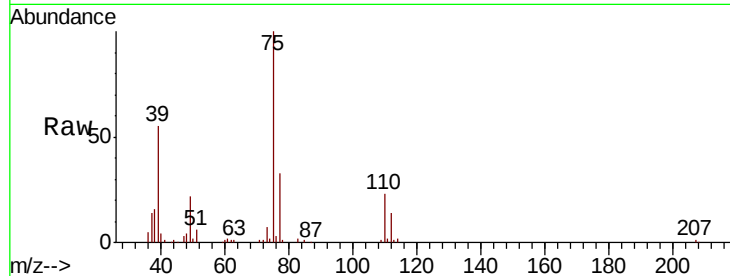
#53
t-1,3-Dichloropropene
Concen: 19.400 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 75 Resp: 99251
Ion Ratio Lower Upper
75 100
77 31.7 24.5 36.7

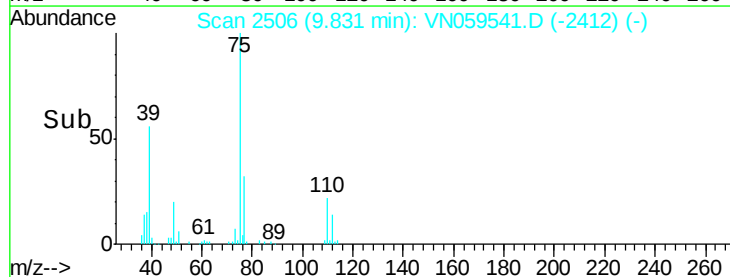
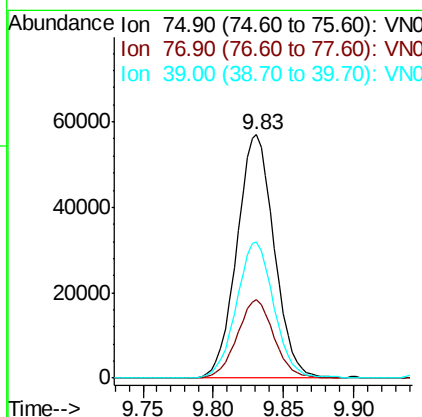
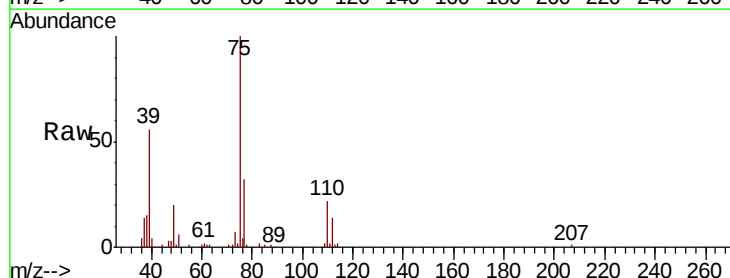
Manual Integrations
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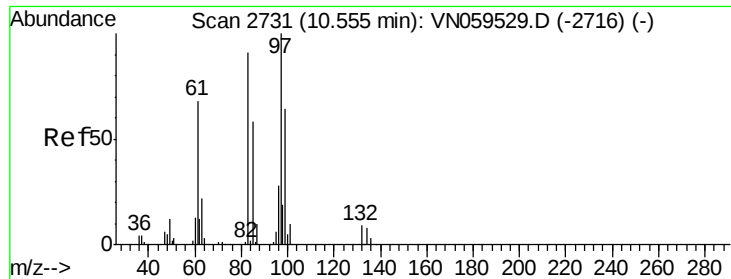
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.157 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 75 Resp: 105541
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 55.8 45.6 68.4





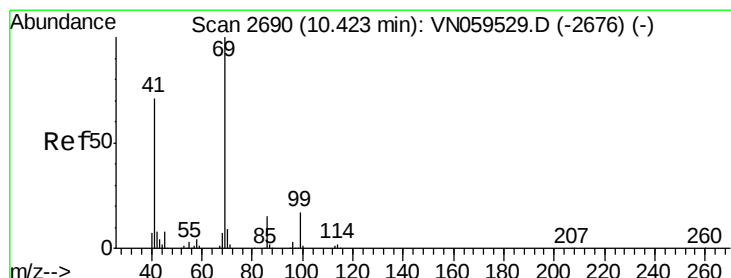
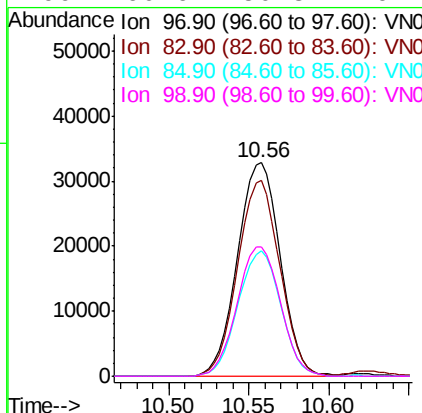
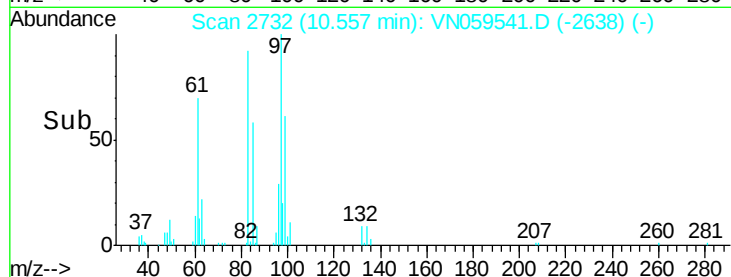
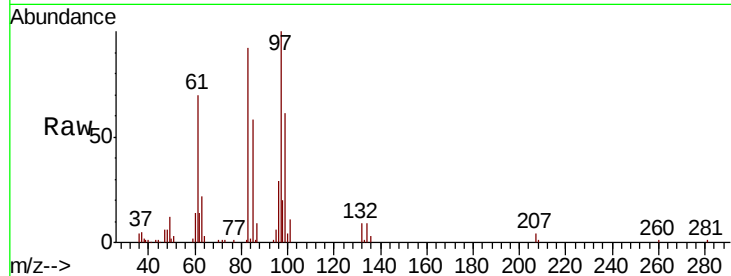
#55
 1,1,2-Trichloroethane
 Concen: 19.694 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion:	97	Resp:	59888
Ion	Ratio	Lower	Upper
97	100		
83	91.8	72.9	109.3
85	58.4	46.1	69.1
99	60.6	50.8	76.2

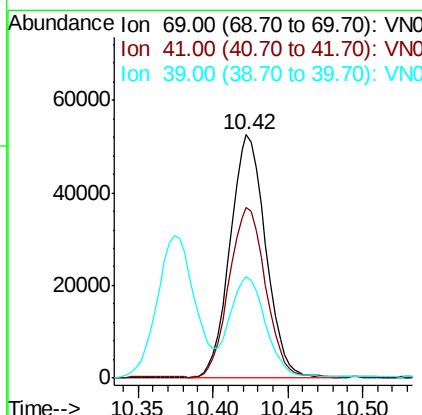
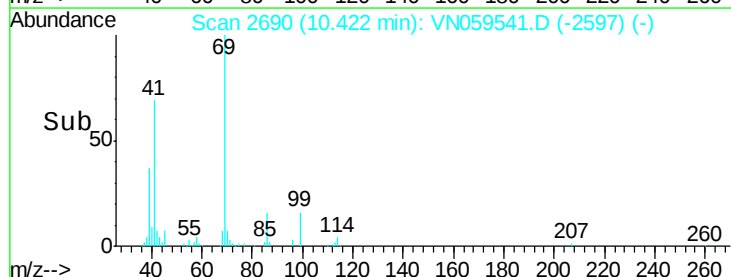
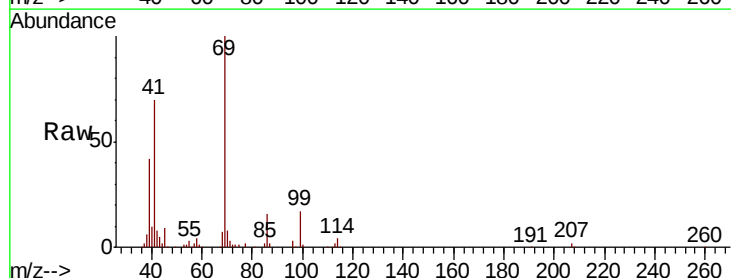
Manual Integrations
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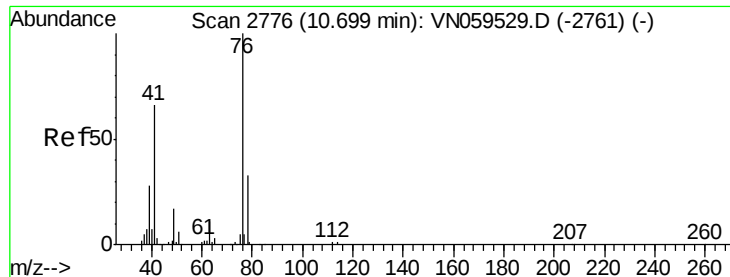
apatel
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#56
 Ethyl methacrylate
 Concen: 18.113 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Tgt Ion:	69	Resp:	87462
Ion	Ratio	Lower	Upper
69	100		
41	71.1	57.7	86.5
39	42.2	34.2	51.2





#57

1,3-Dichloropropane

Concen: 20.188 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 76 Resp: 104851

Ion Ratio Lower Upper

76 100

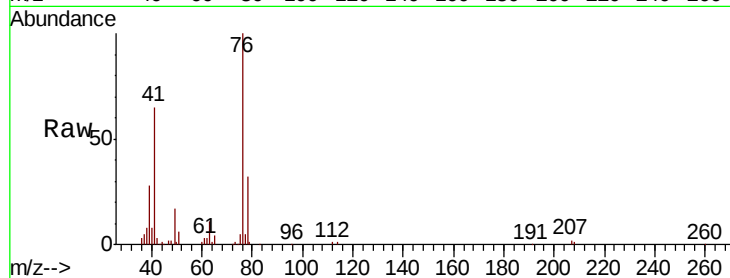
78 32.8 26.1 39.1

Manual Integrations

APPROVED

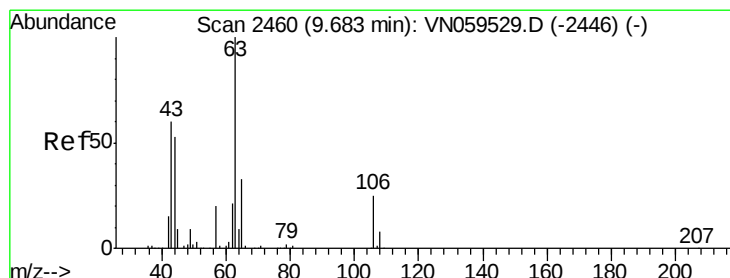
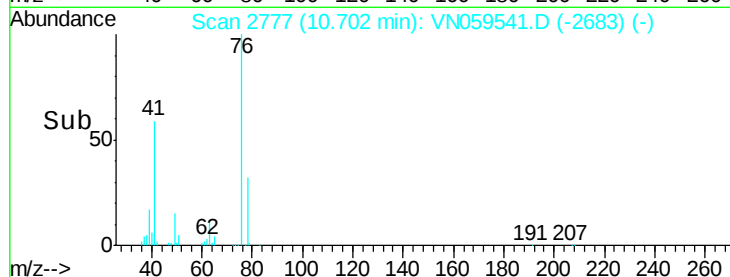
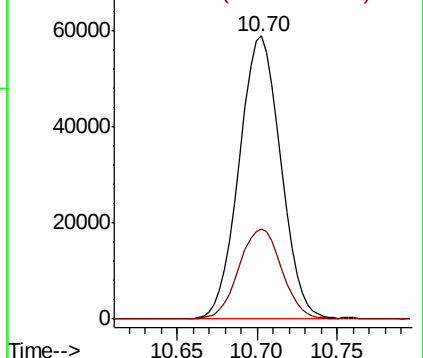
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 118.040 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059541.D

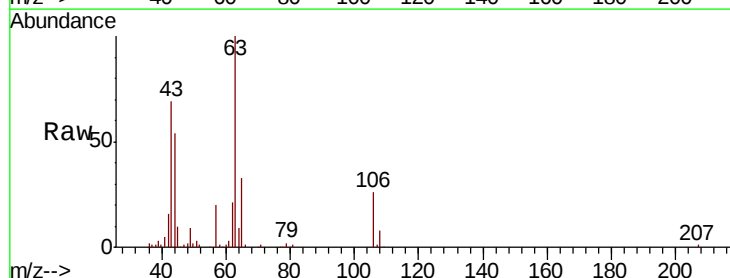
Acq: 10 Dec 2019 12:58

Tgt Ion: 63 Resp: 147052

Ion Ratio Lower Upper

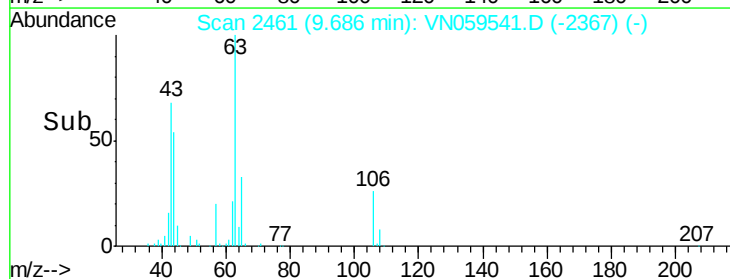
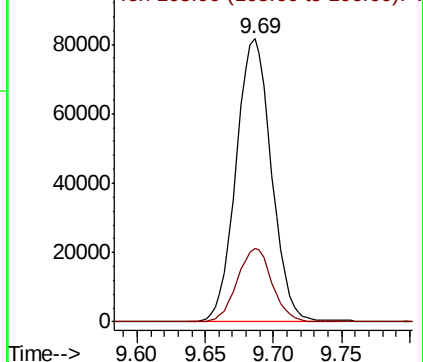
63 100

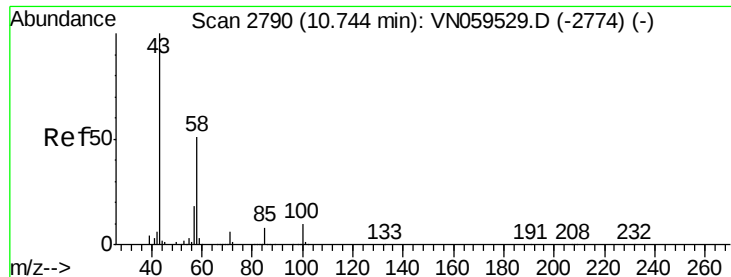
106 25.6 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





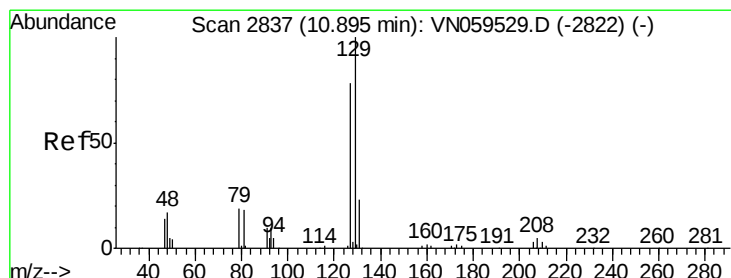
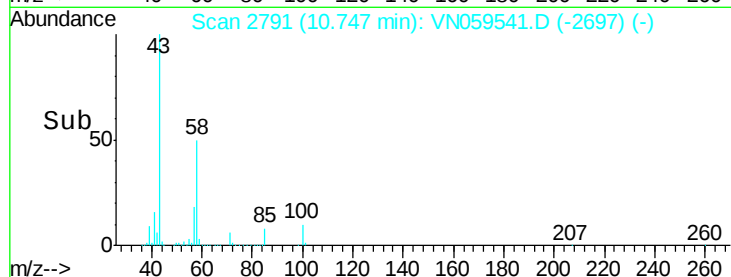
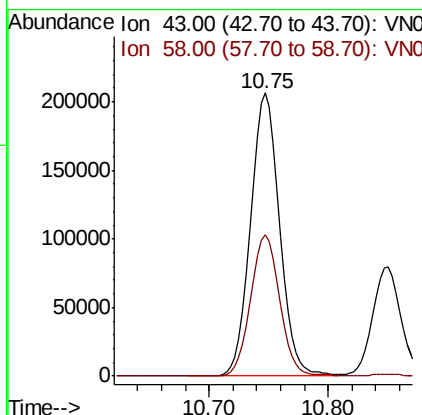
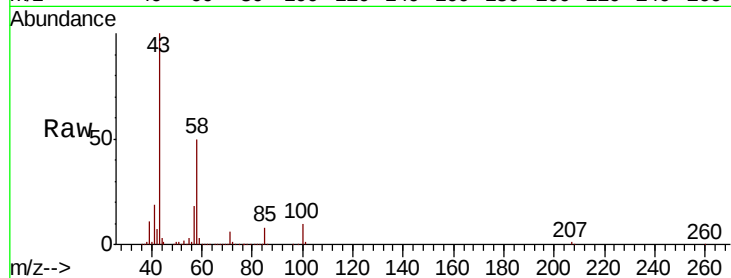
#59
2-Hexanone
Concen: 95.829 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion: 43 Resp: 349536
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.6

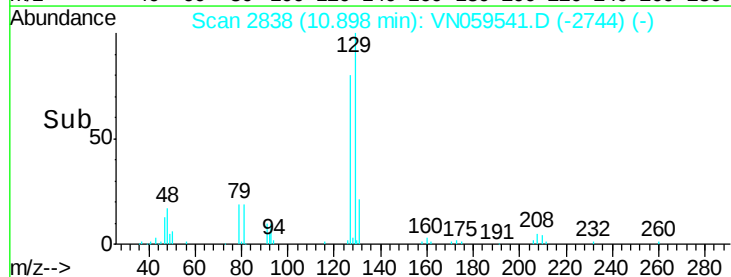
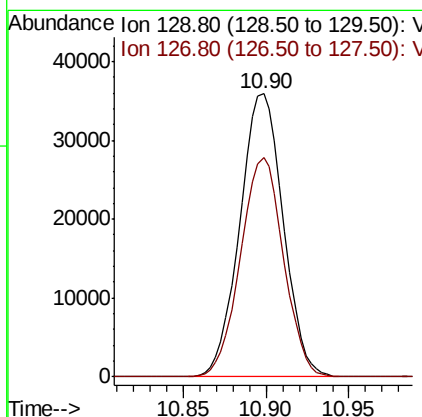
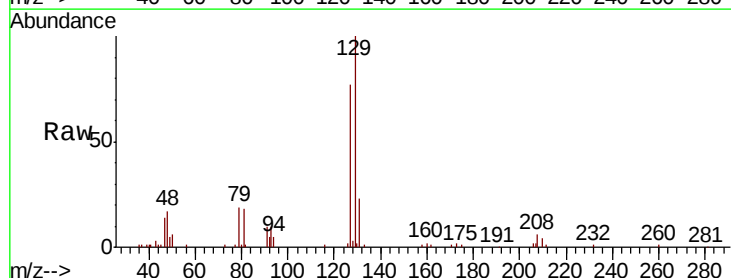
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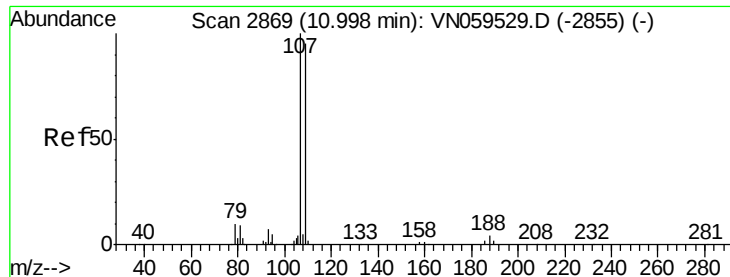
apatel
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#60
Dibromochloromethane
Concen: 18.673 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion: 129 Resp: 65338
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 19.608 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:107 Resp: 62074

Ion Ratio Lower Upper

107 100

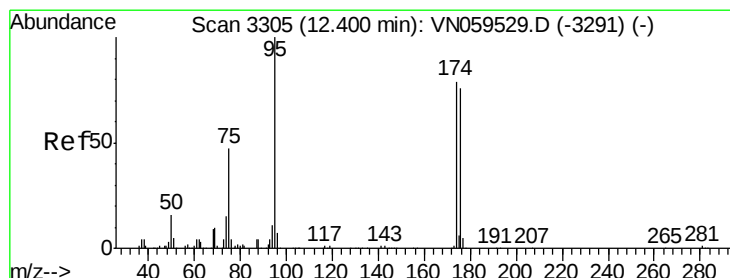
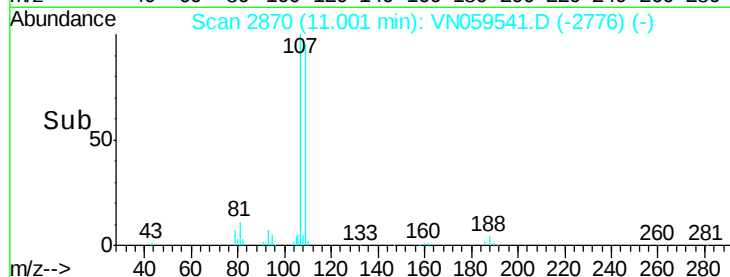
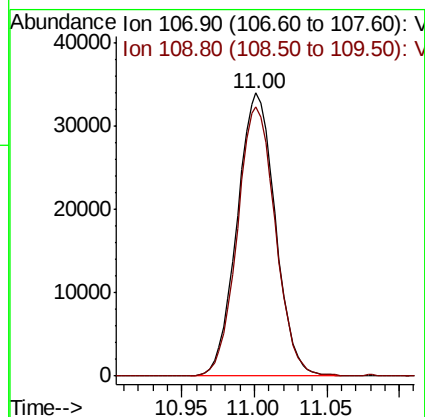
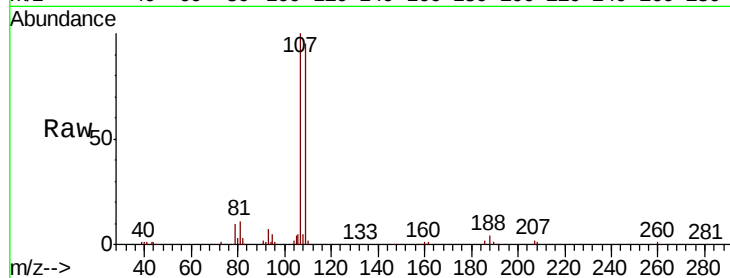
109 94.8 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 47.783 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

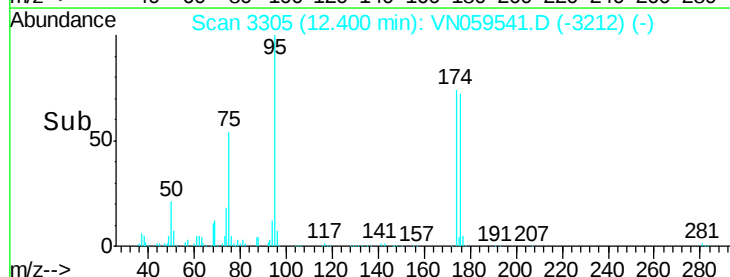
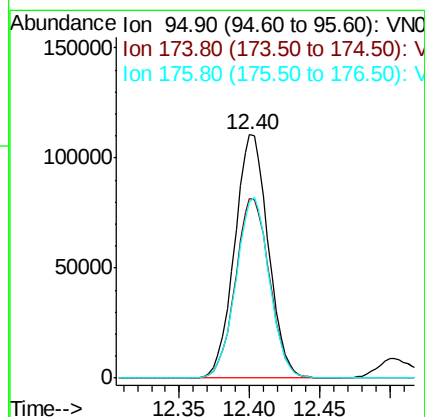
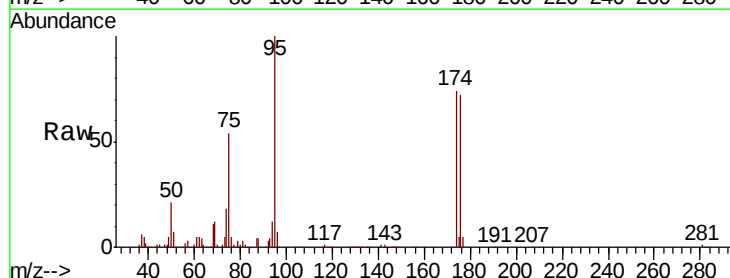
Tgt Ion: 95 Resp: 185539

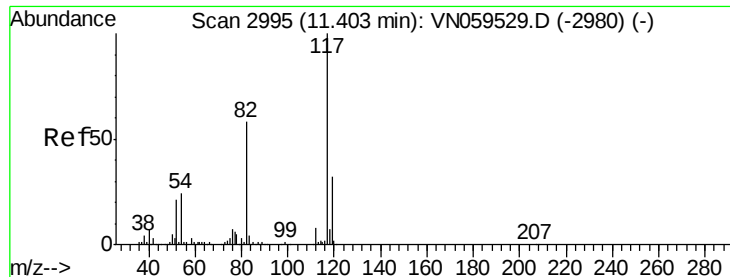
Ion Ratio Lower Upper

95 100

174 74.5 0.0 158.0

176 73.3 0.0 155.4





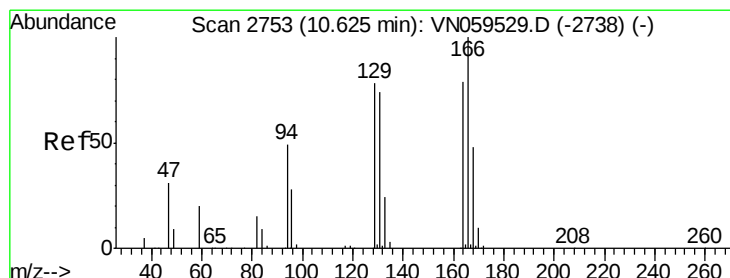
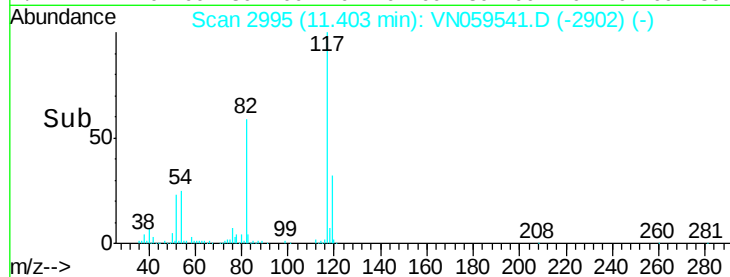
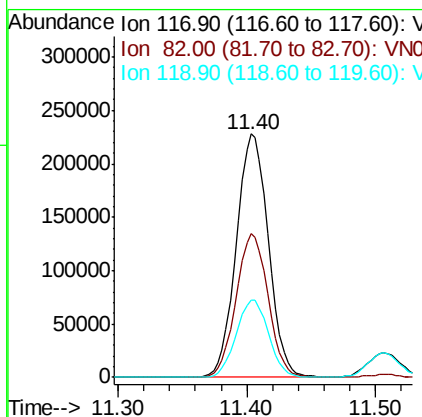
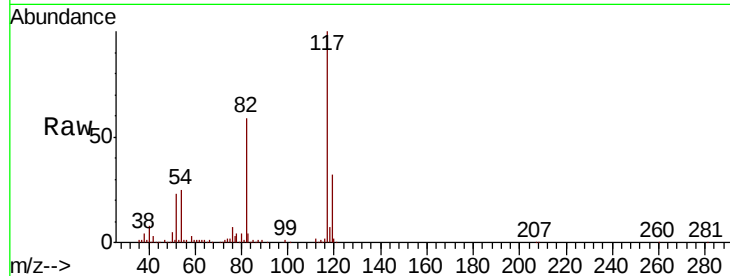
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	46.5	69.7
119	32.0	25.2	37.8

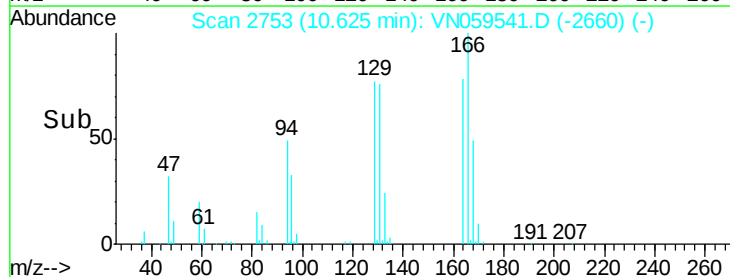
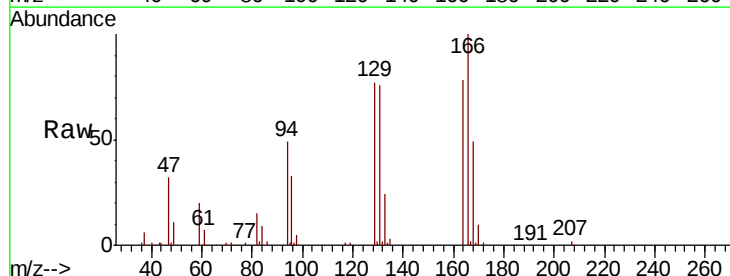
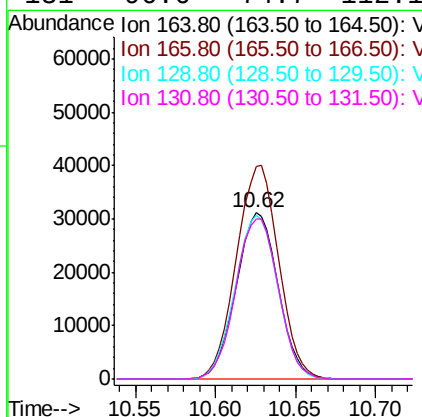
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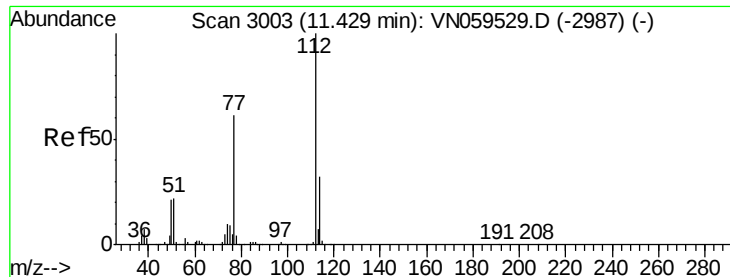
apatel
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#64
Tetrachloroethene
Concen: 19.401 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.6	152.4
129	98.2	79.0	118.6
131	96.6	74.7	112.1





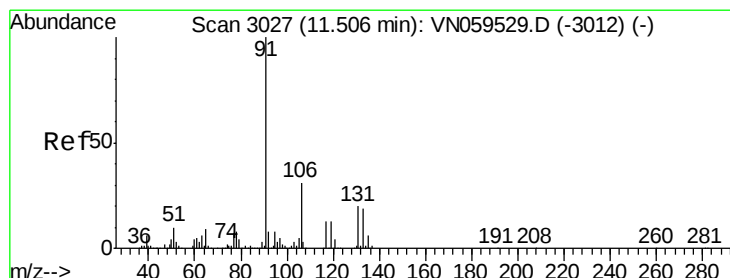
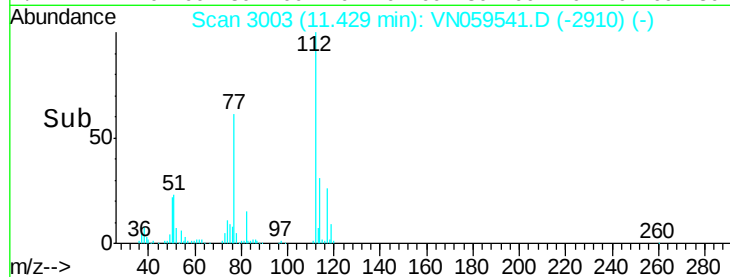
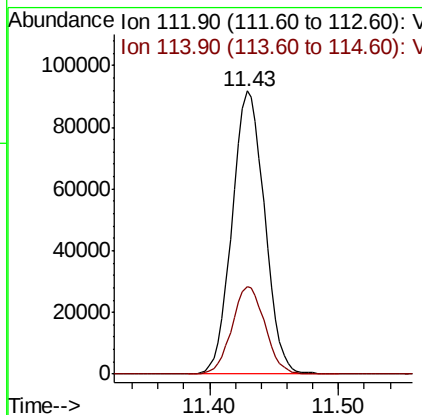
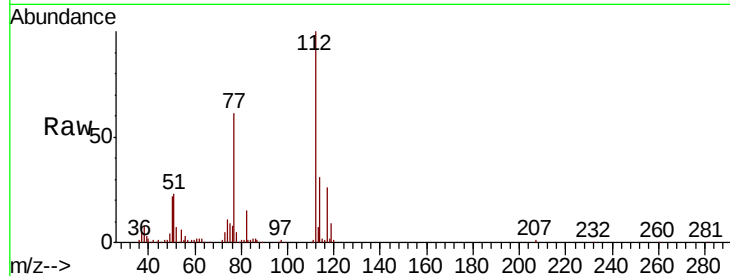
#65
Chlorobenzene
Concen: 19.442 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion:112 Resp: 160819
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0

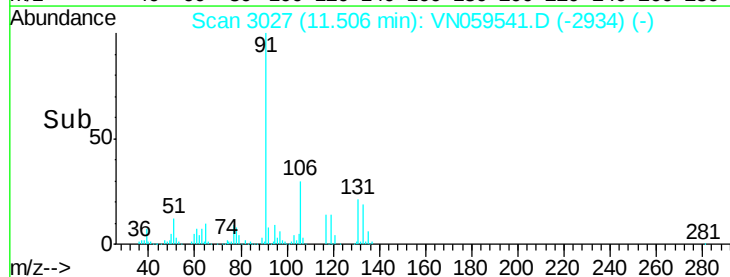
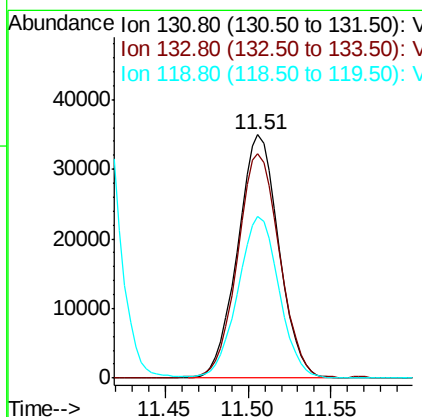
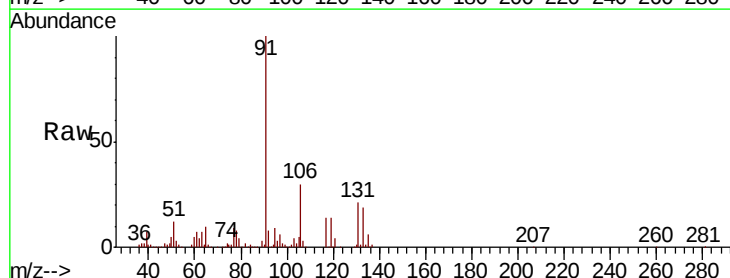
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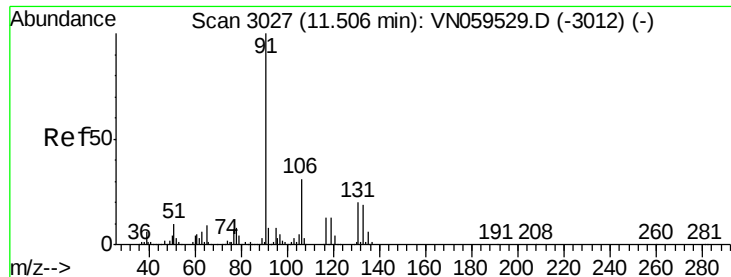
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.558 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion:131 Resp: 60339
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 66.3 33.4 100.2





#67

Ethyl Benzene

Concen: 19.281 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 91 Resp: 286998

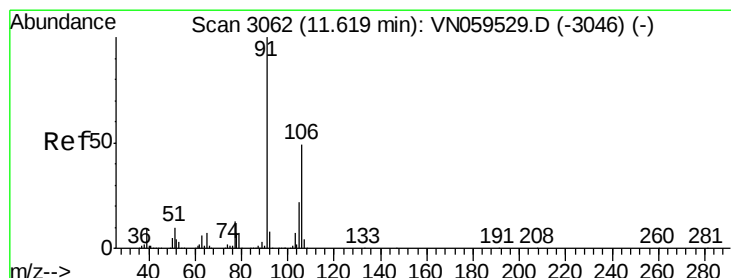
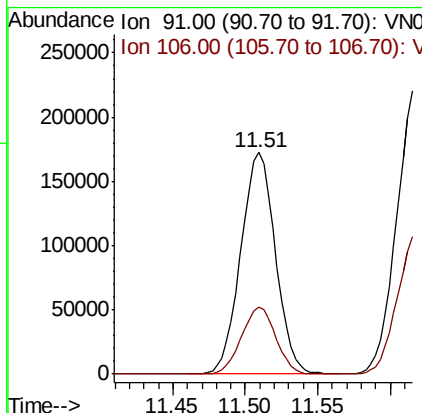
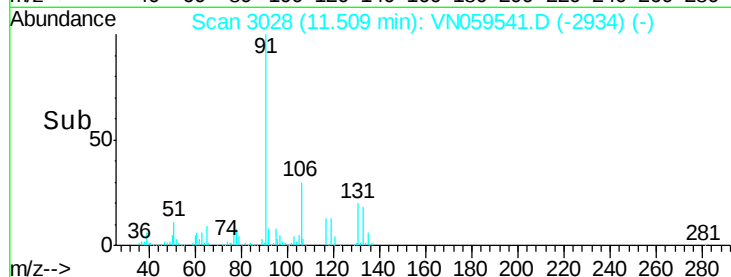
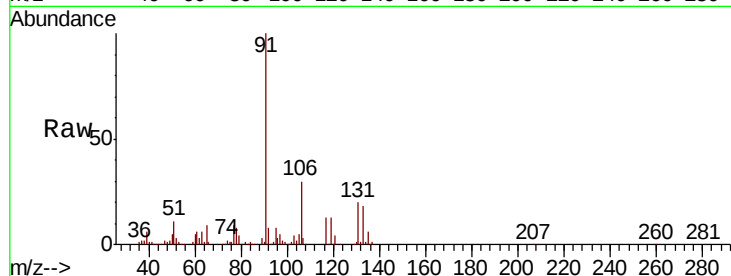
Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.188 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059541.D

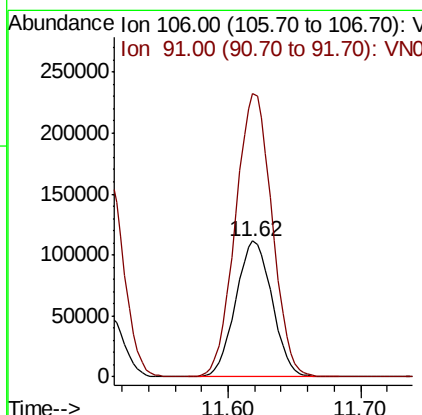
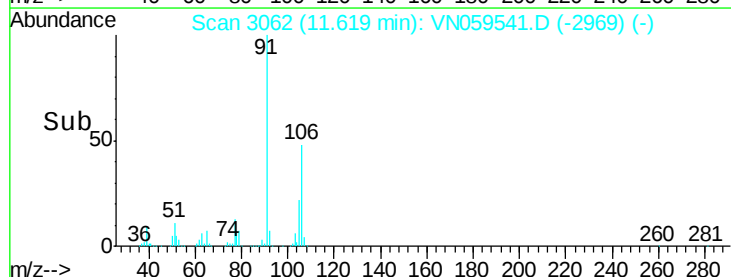
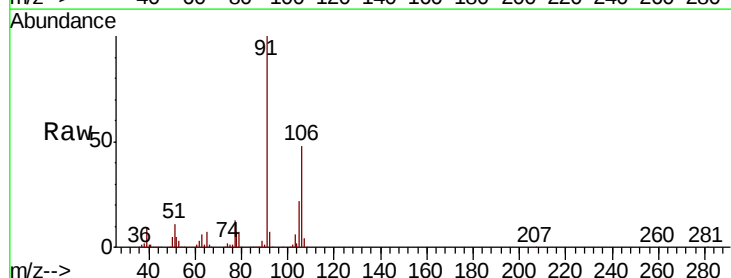
Acq: 10 Dec 2019 12:58

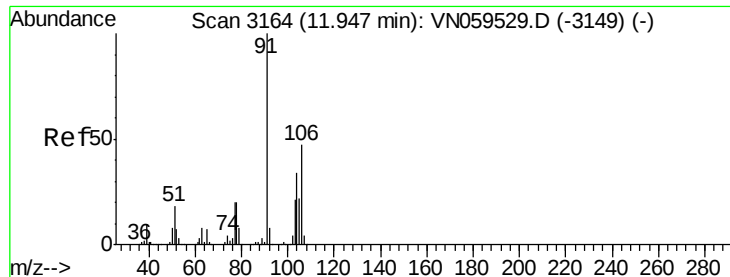
Tgt Ion: 106 Resp: 213237

Ion Ratio Lower Upper

106 100

91 208.7 162.9 244.3





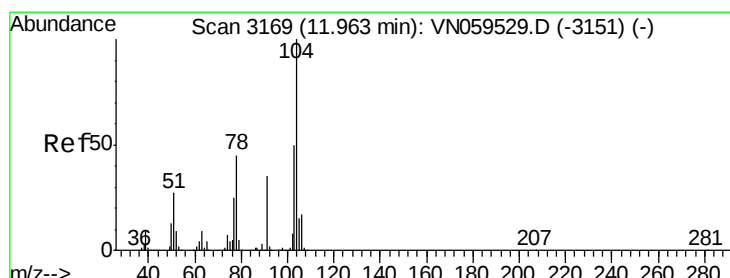
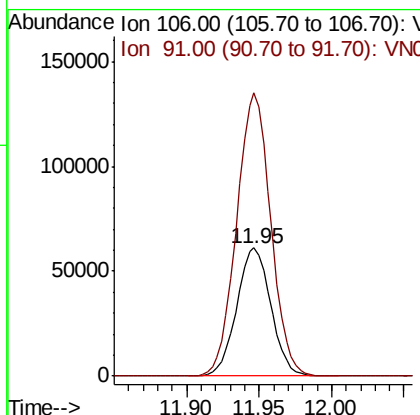
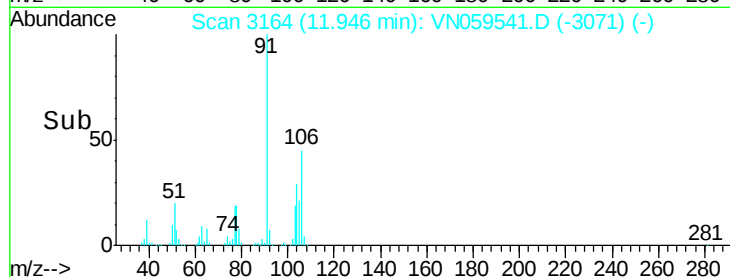
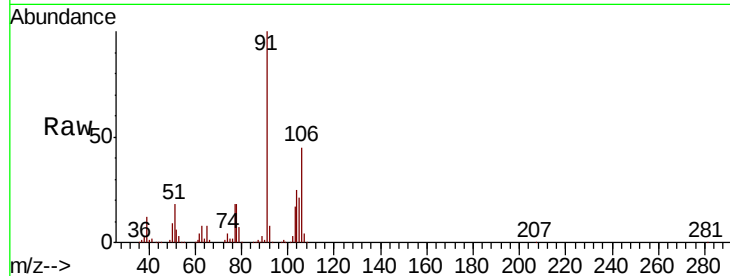
#69
o-Xylene
Concen: 19.282 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion:106 Resp: 100214
Ion Ratio Lower Upper
106 100
91 221.2 106.7 319.9

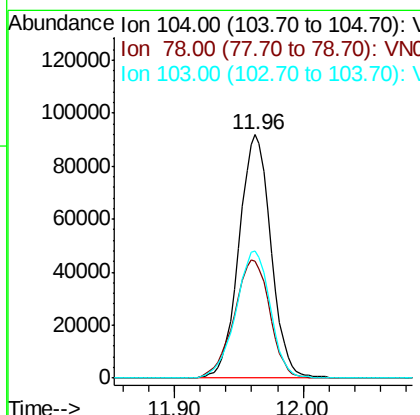
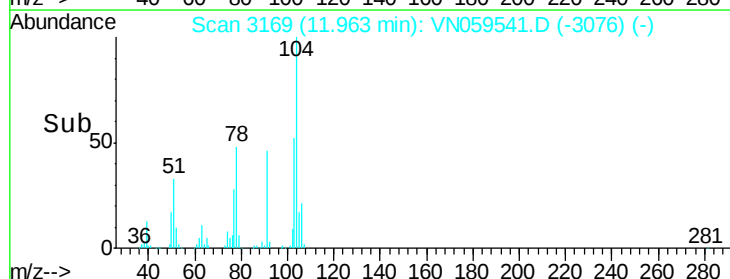
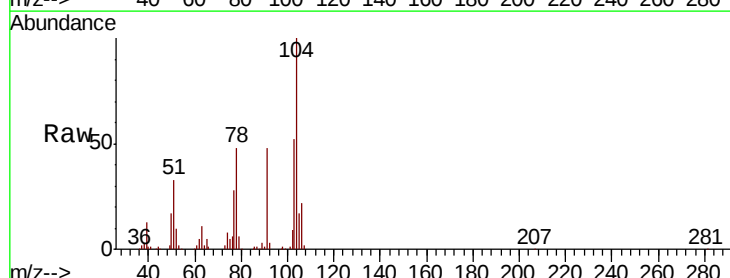
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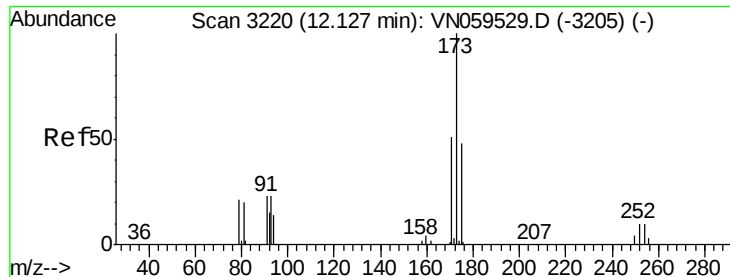
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#70
Styrene
Concen: 18.412 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion:104 Resp: 158531
Ion Ratio Lower Upper
104 100
78 54.2 40.6 60.8
103 56.4 43.9 65.9





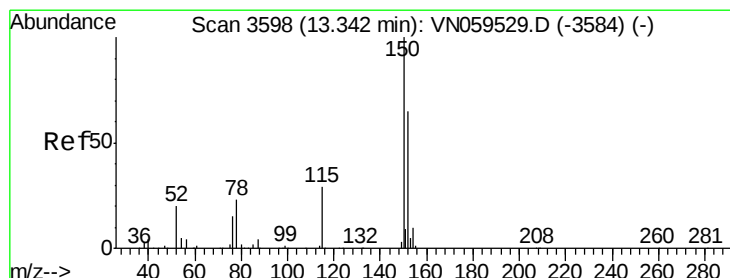
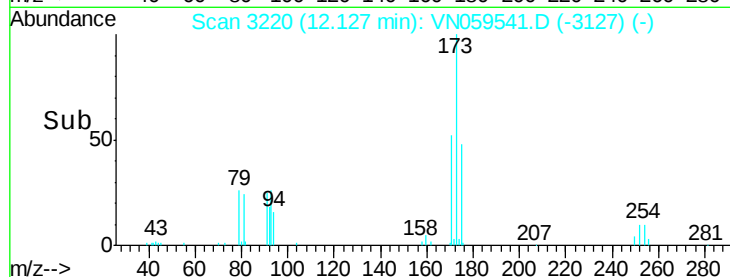
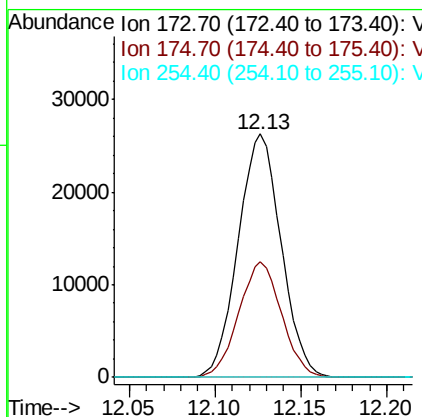
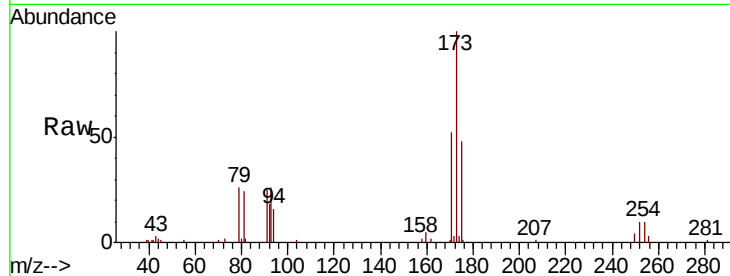
#71
Bromoform
Concen: 18.820 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.1	72.4
254	0.0	0.0	0.0

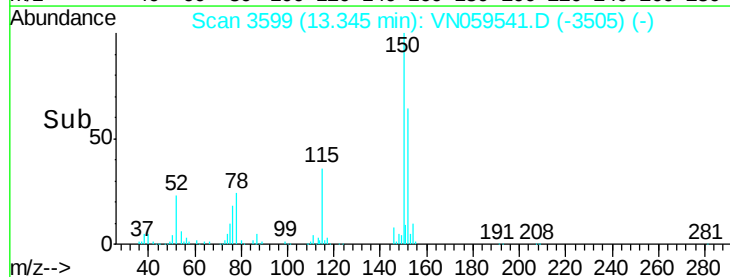
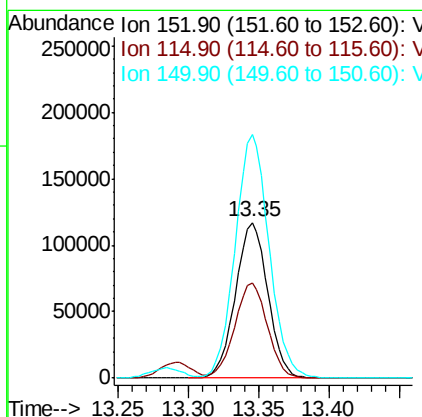
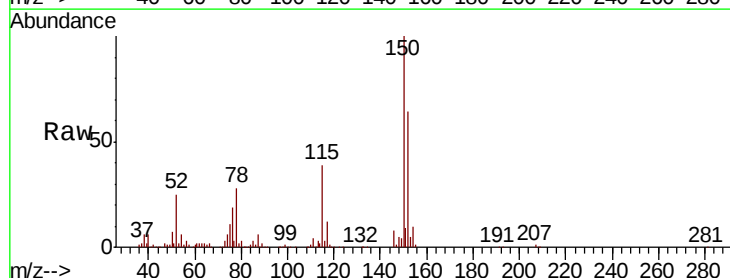
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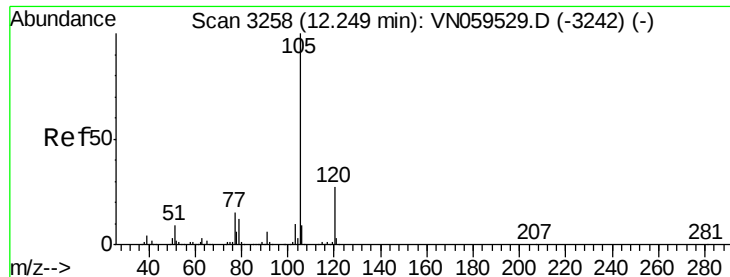
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.4	88.2
150	164.2	0.0	342.4





#73

Isopropylbenzene

Concen: 19.307 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 105 Resp: 273166

Ion Ratio Lower Upper

105 100

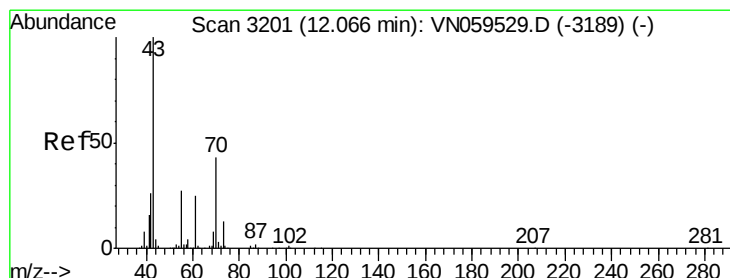
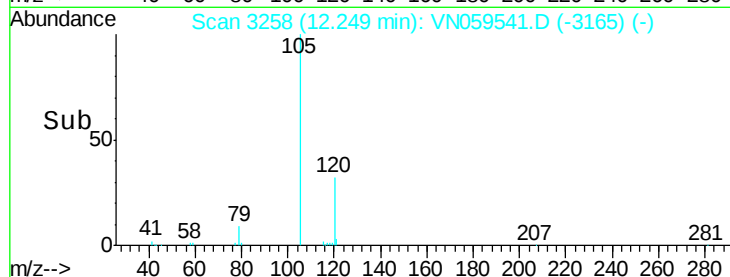
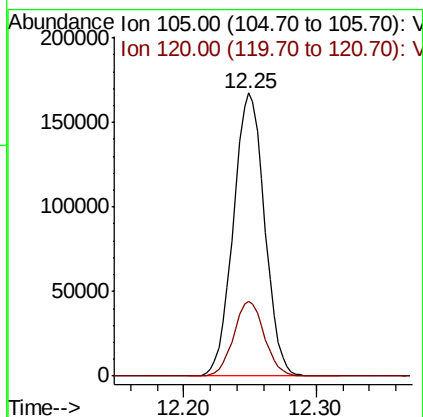
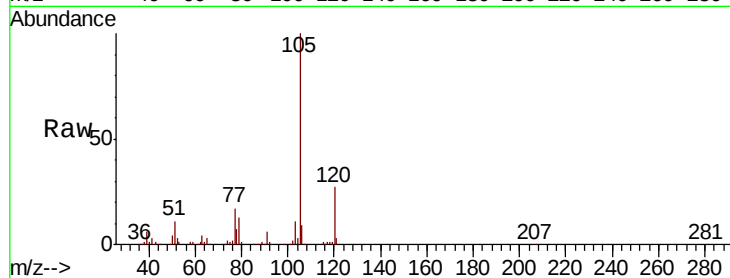
120 25.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.712 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Tgt Ion: 43 Resp: 121487

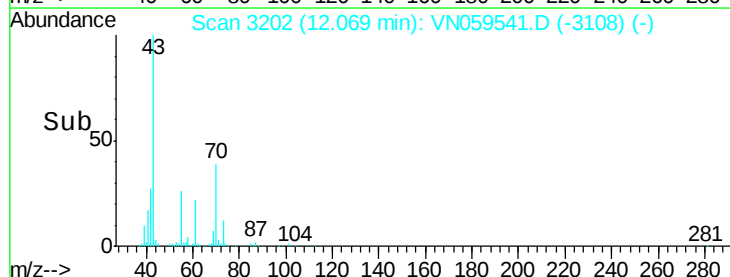
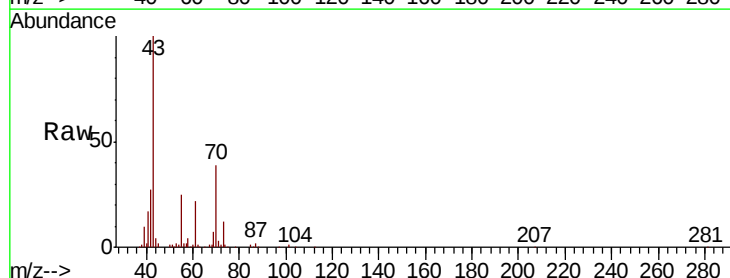
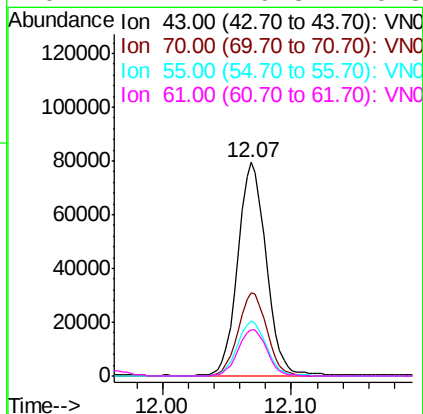
Ion Ratio Lower Upper

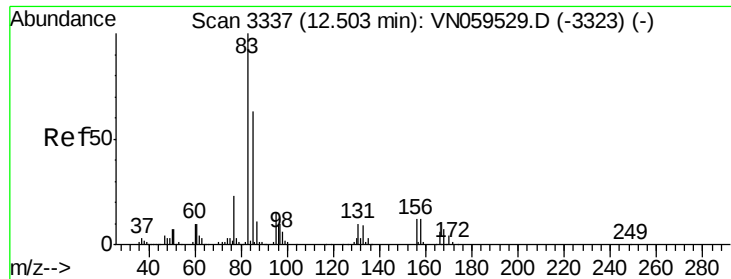
43 100

70 39.4 34.2 51.4

55 26.2 21.3 31.9

61 22.2 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.073 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

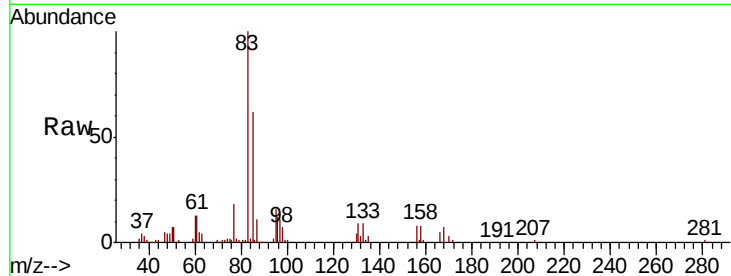
ClientSampleId :

VN1210WBS01

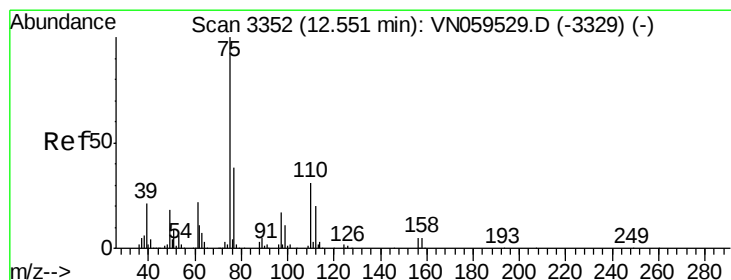
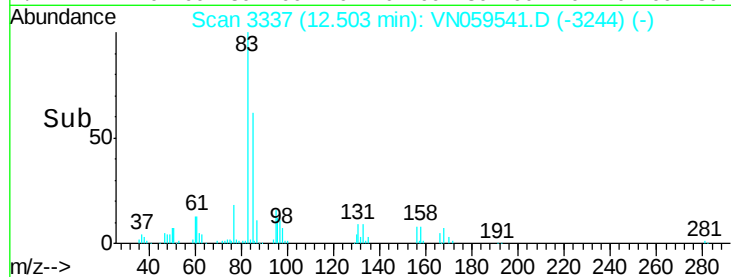
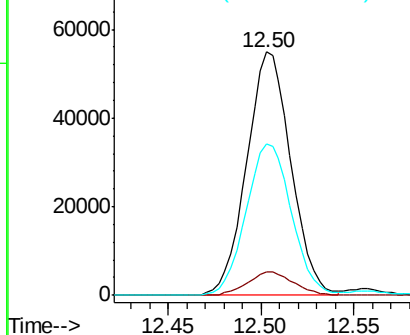
Tot Ion:	83	Resp:	91438
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.9	31.6	95.0

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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 19.309 ug/l m

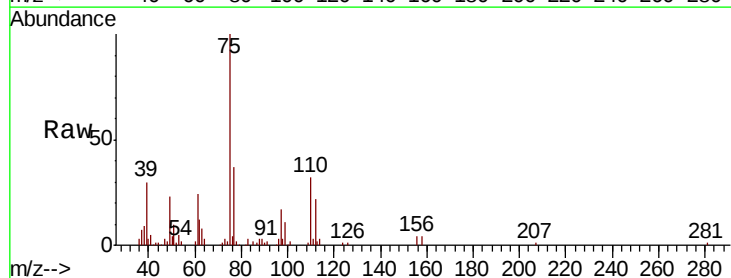
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

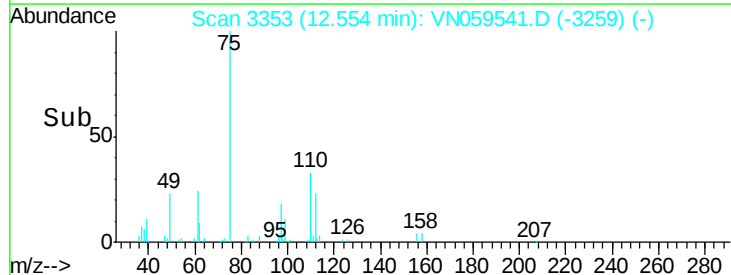
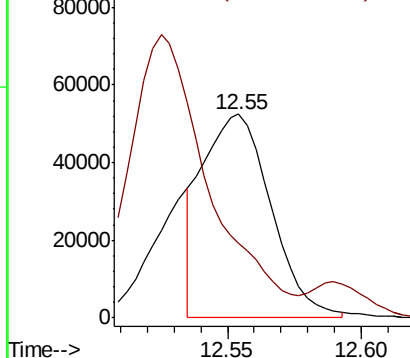
Lab File: VN059541.D

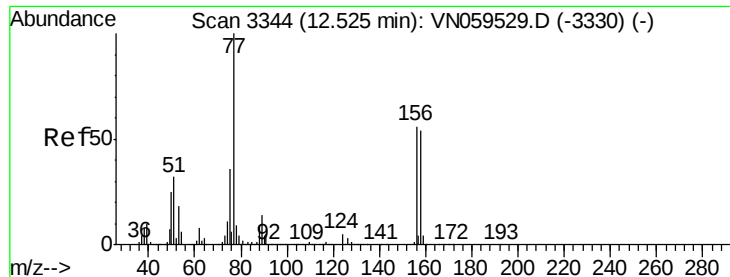
Acq: 10 Dec 2019 12:58

Tgt Ion:	75	Resp:	93137
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 18.758 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:156 Resp: 66072

Ion Ratio Lower Upper

156 100

77 231.3 109.3 327.8

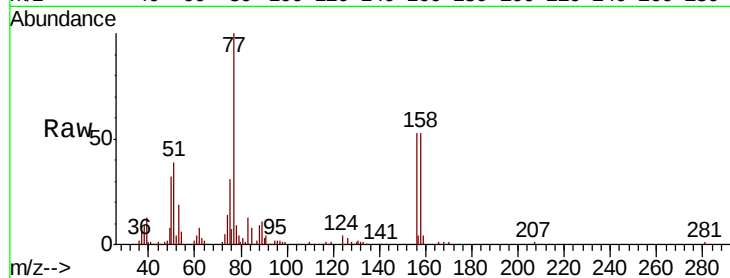
158 97.2 48.6 145.8

Manual Integrations

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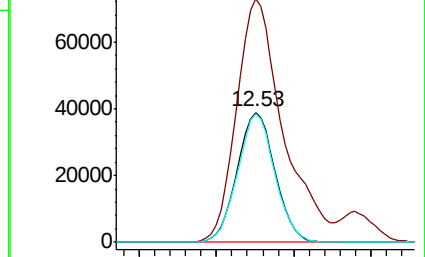
12/11/2019 2:15:53 PM



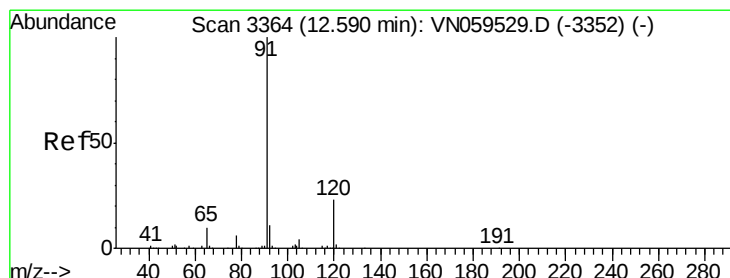
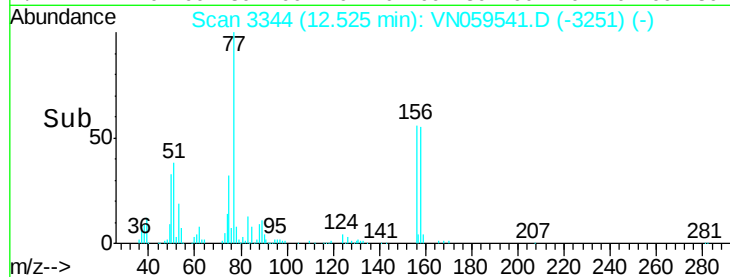
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.091 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059541.D

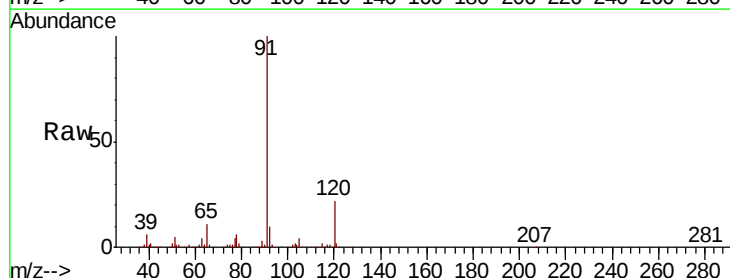
Acq: 10 Dec 2019 12:58

Tgt Ion: 91 Resp: 331924

Ion Ratio Lower Upper

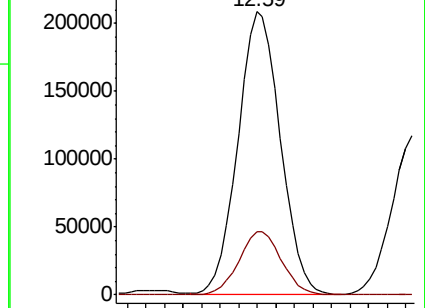
91 100

120 22.2 11.4 34.1

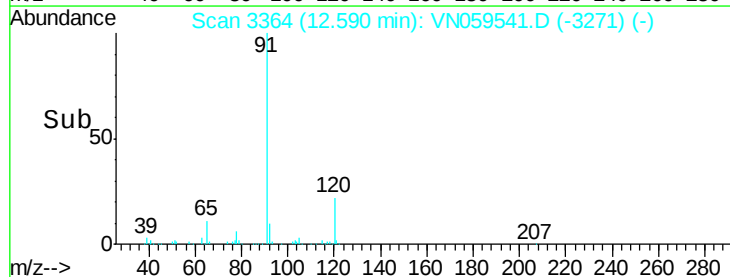


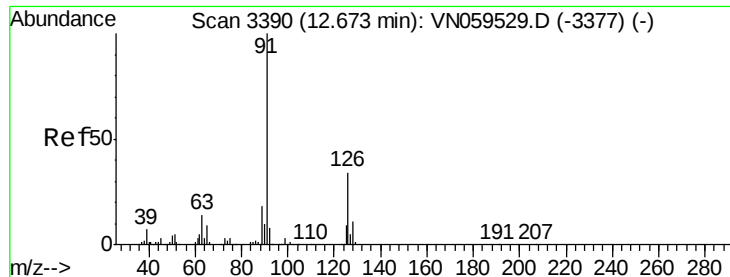
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 18.865 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion: 91 Resp: 195577

Ion Ratio Lower Upper

91 100

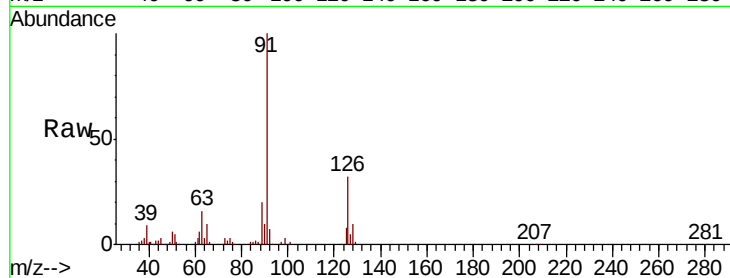
126 32.1 16.9 50.7

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Abundance Ion 91.00 (90.70 to 91.70): VN059541.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059541.D (-3297) (-)

150000

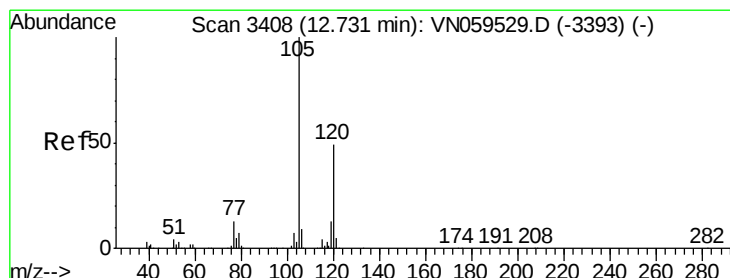
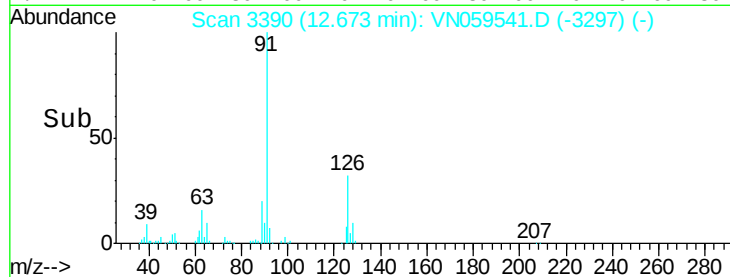
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.215 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059541.D

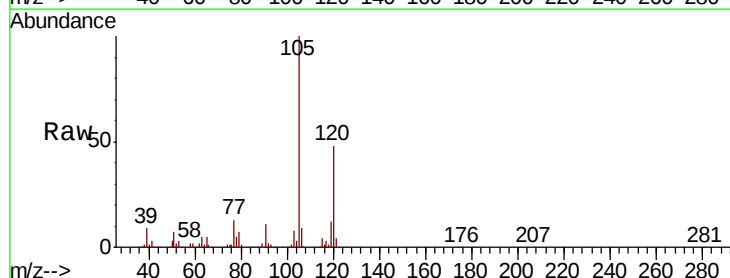
Acq: 10 Dec 2019 12:58

Tgt Ion: 105 Resp: 233124

Ion Ratio Lower Upper

105 100

120 47.8 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059541.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059541.D (-3315) (-)

150000

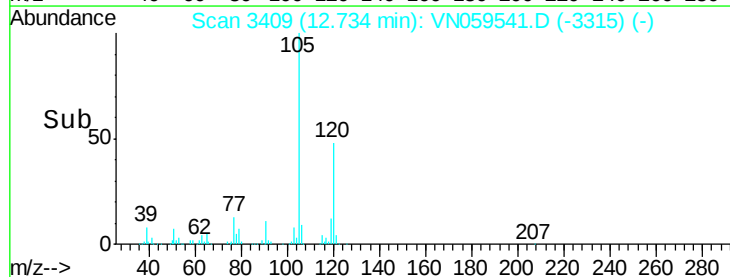
100000

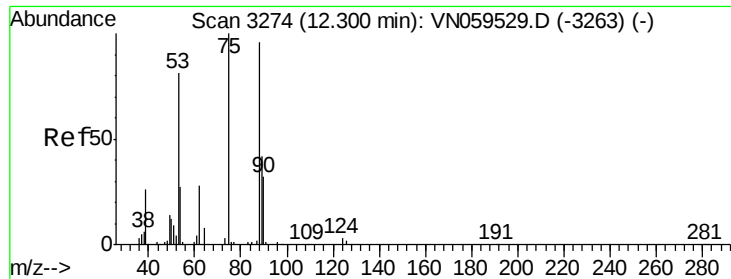
50000

0

12.70 12.80

Time-->





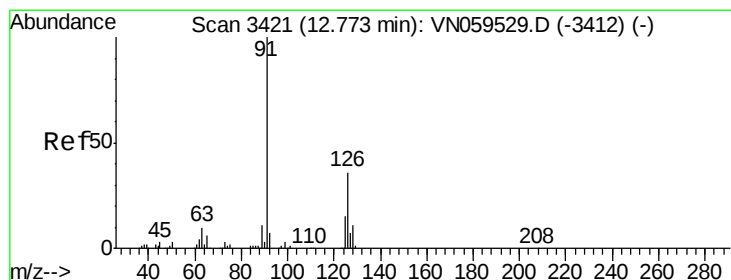
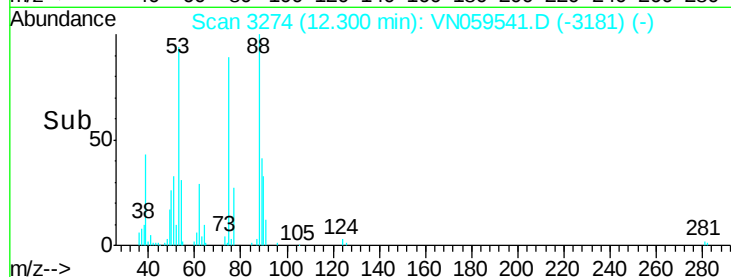
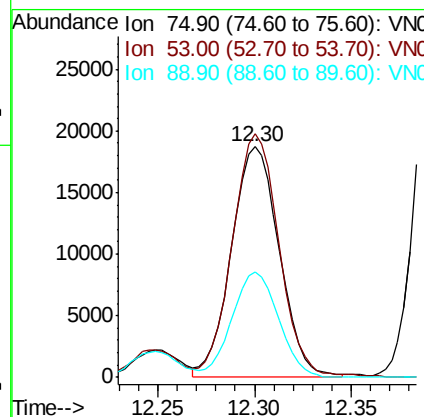
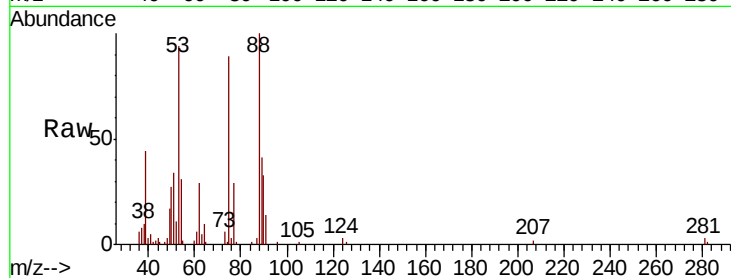
#81
trans-1,4-Dichloro-2-butene
Concen: 17.959 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.7	67.0	100.6#
89	44.5	35.5	53.3

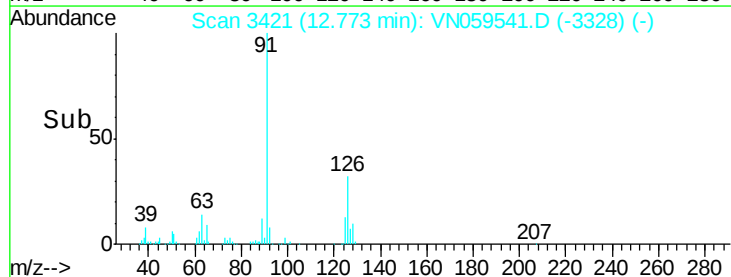
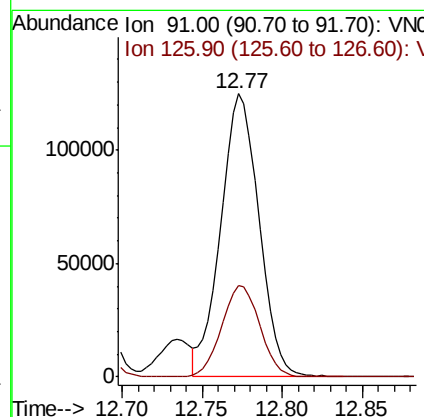
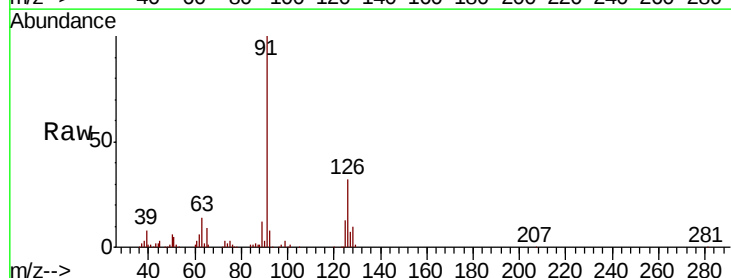
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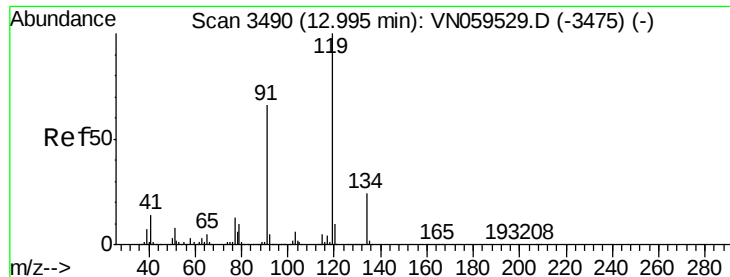
apatel
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#82
4-Chlorotoluene
Concen: 19.198 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4





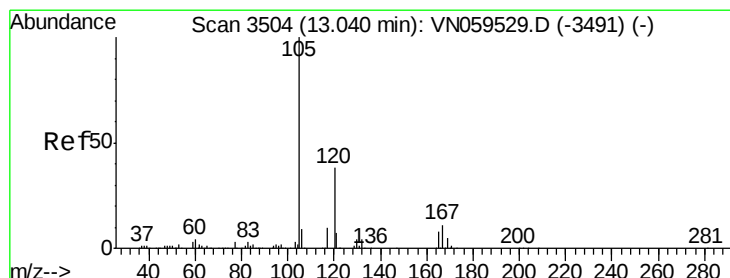
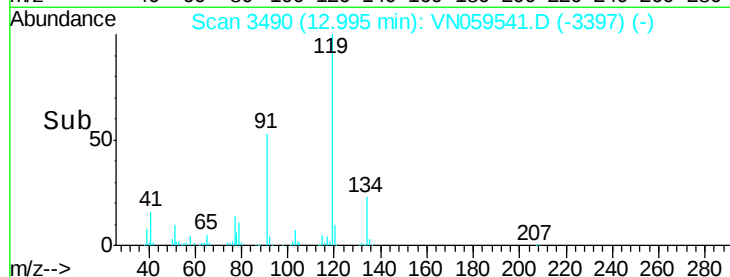
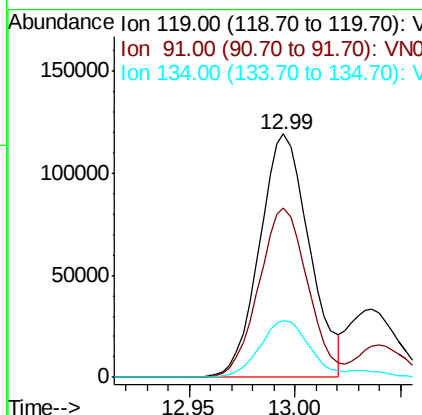
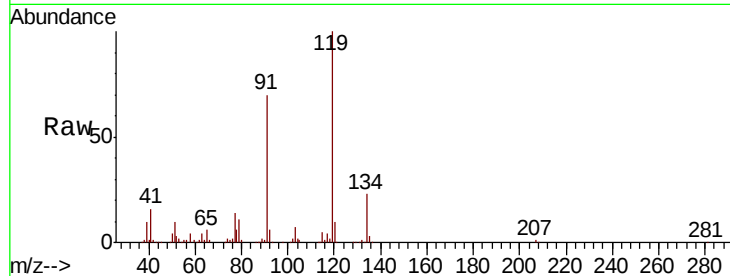
#83
 tert-Butylbenzene
 Concen: 19.406 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	196339		
91	68.7		32.8	98.4
134	23.3		12.8	38.3

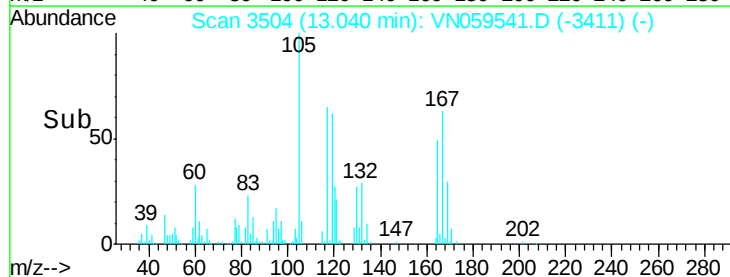
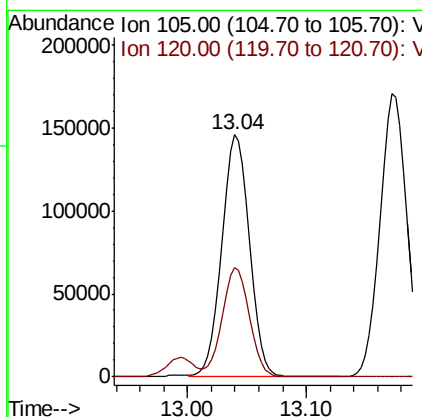
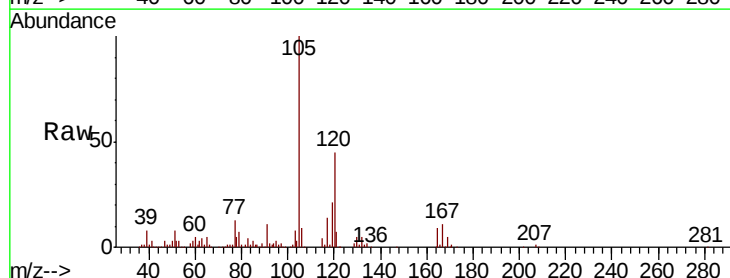
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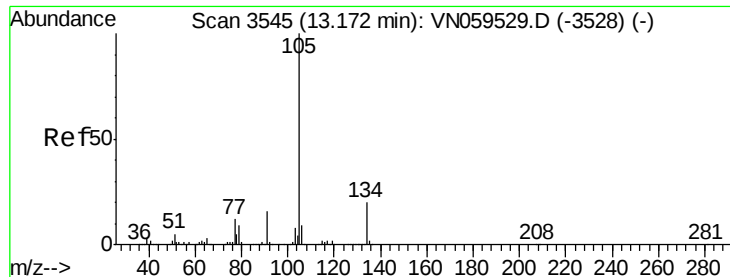
apatel
 12/11/2019 2:15:53 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.540 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234083		
120	44.5		22.8	68.3





#85

sec-Butylbenzene

Concen: 19.429 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBS01

Tot Ion:105 Resp: 270000

Ion Ratio Lower Upper

105 100

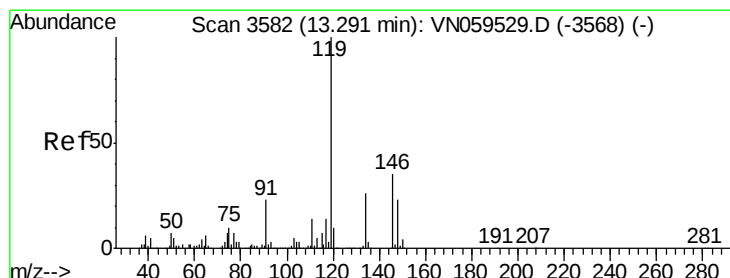
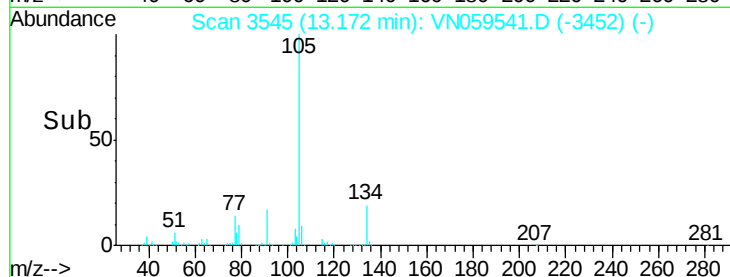
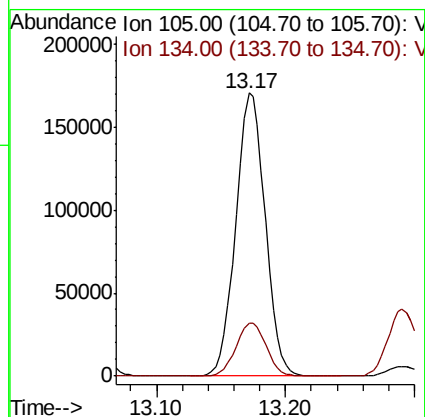
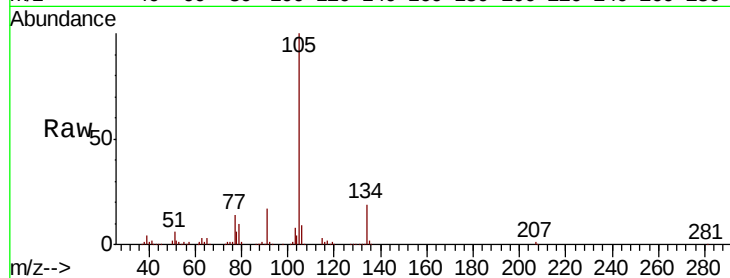
134 19.1 9.8 29.5

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#86

p-Isopropyltoluene

Concen: 19.721 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

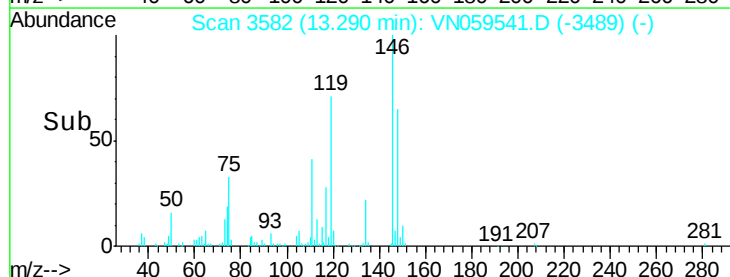
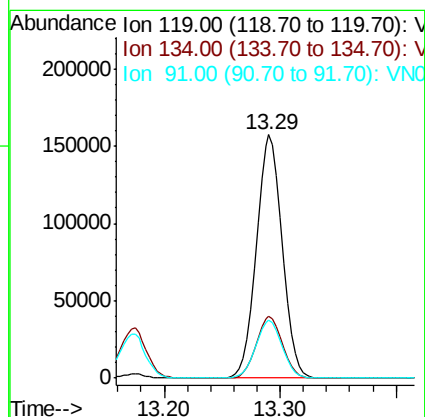
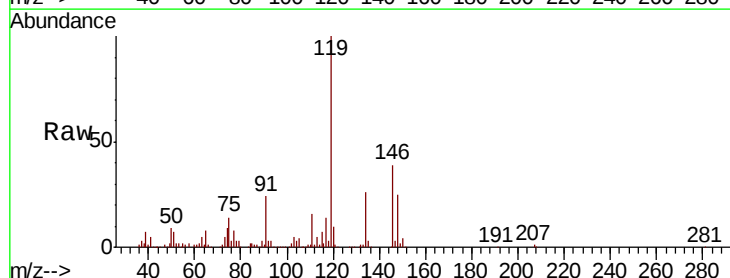
Tgt Ion:119 Resp: 244939

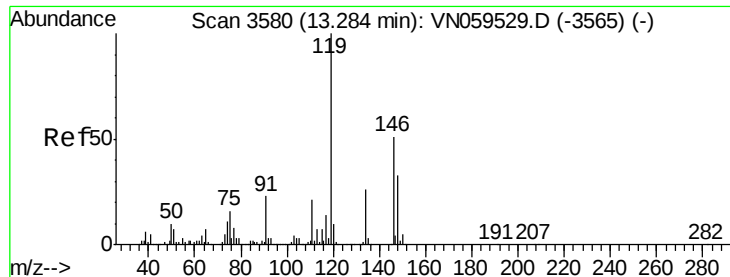
Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

91 24.4 11.7 35.1





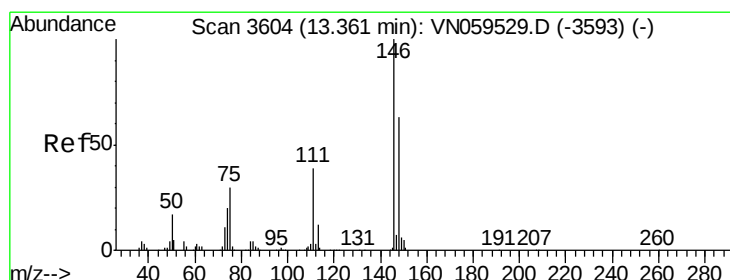
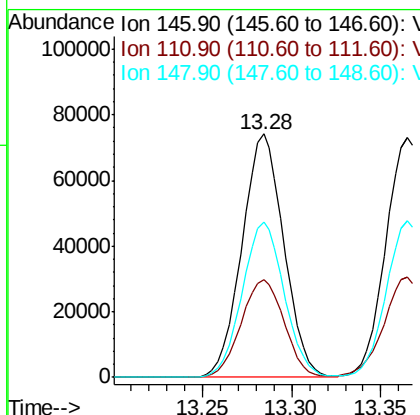
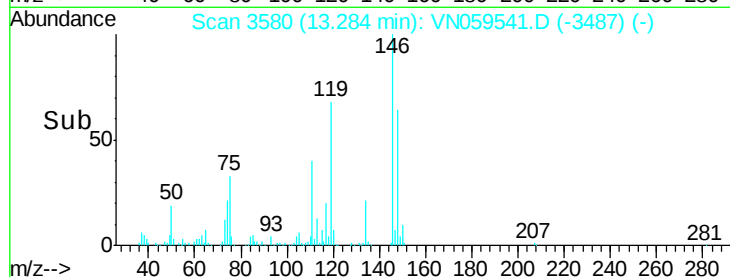
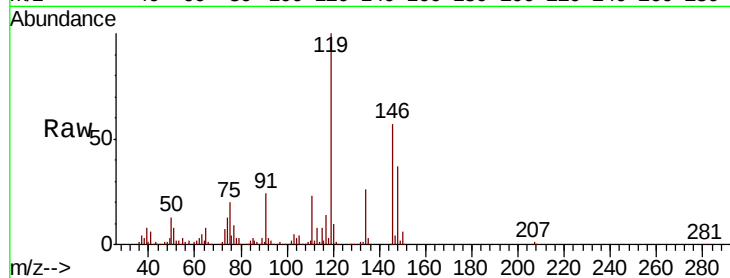
#87
 1,3-Dichlorobenzene
 Concen: 18.745 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.2	20.6	61.8	
148	64.1	32.0	96.0	

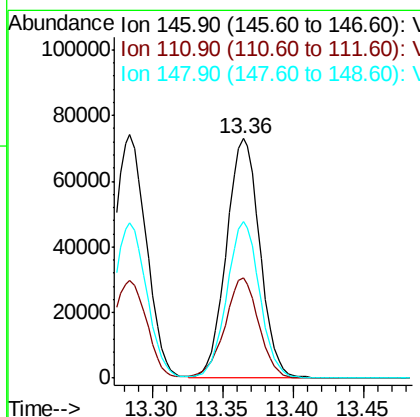
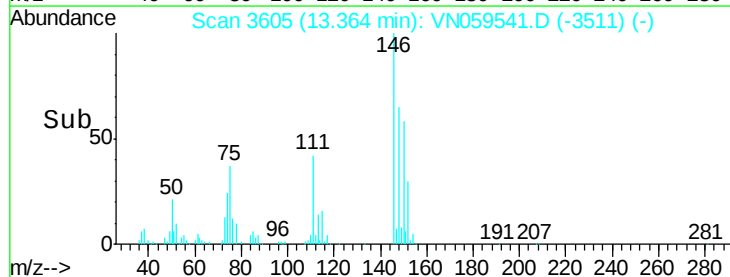
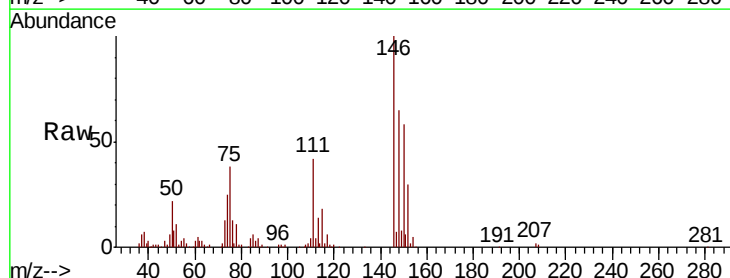
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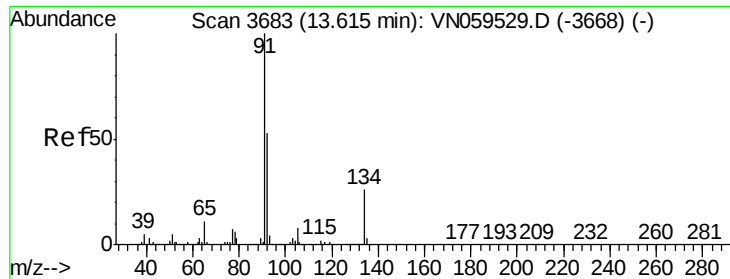
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#88
 1,4-Dichlorobenzene
 Concen: 19.063 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.4	20.0	59.9	
148	63.7	31.9	95.7	





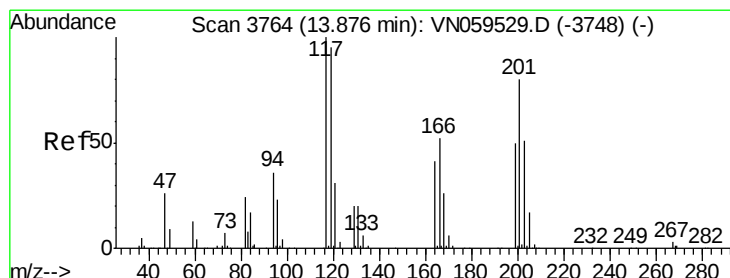
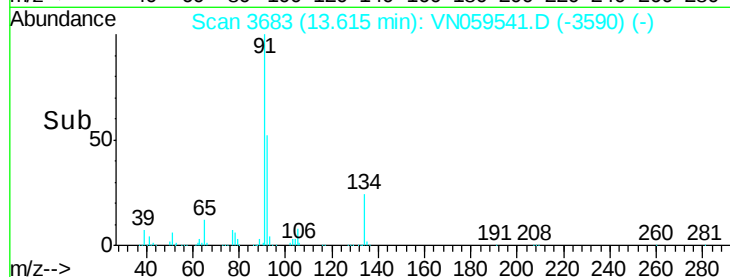
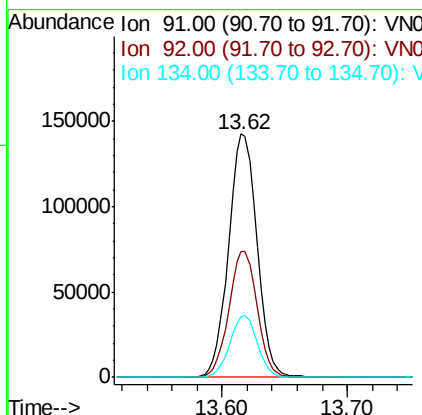
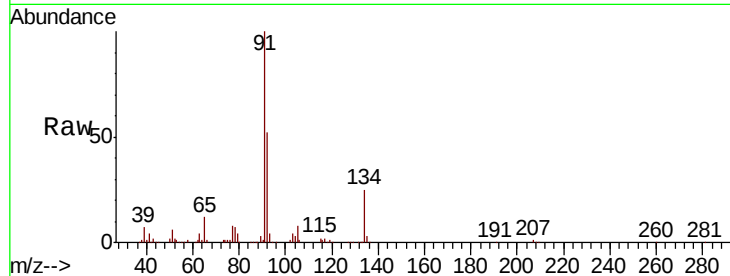
#89
n-Butylbenzene
Concen: 19.238 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.3	78.9
134	24.6	12.8	38.4

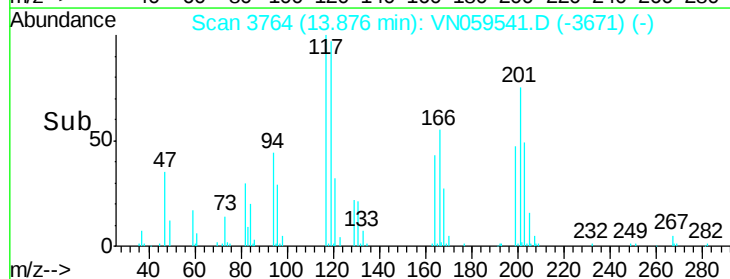
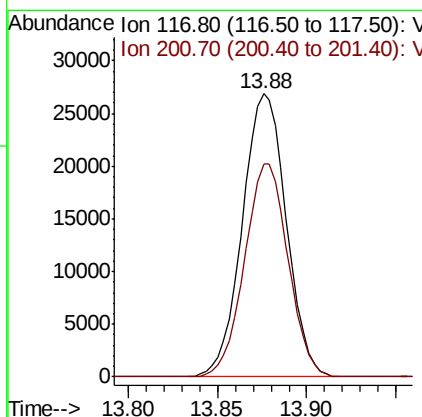
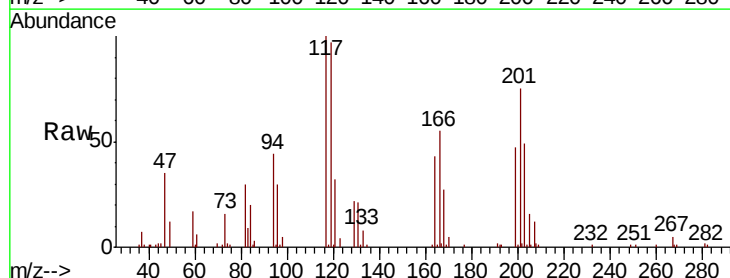
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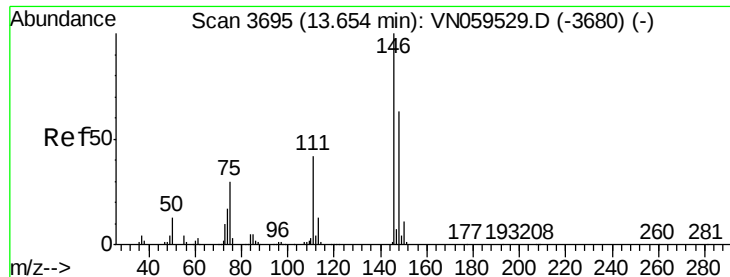
apatel
12/11/2019 2:15:53 PM



#90
Hexachloroethane
Concen: 20.195 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.6	40.5	121.5





#91

1,2-Dichlorobenzene

Concen: 19.592 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Instrument :

MSVOA_N

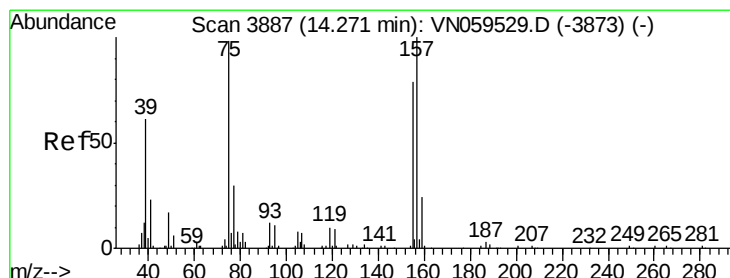
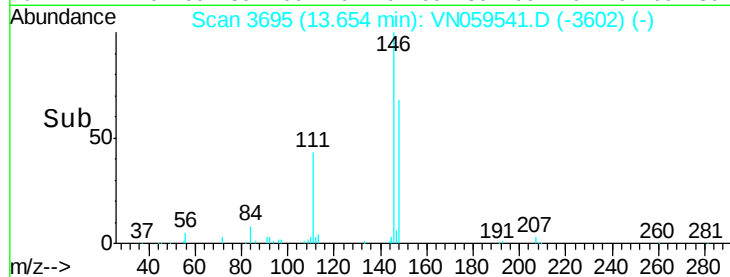
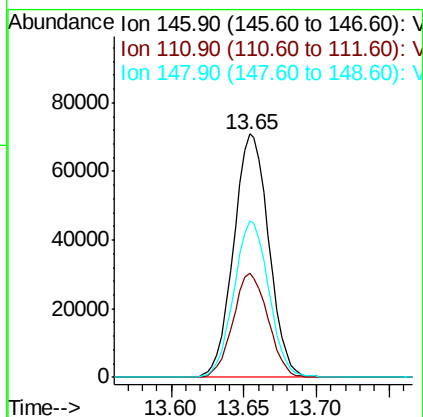
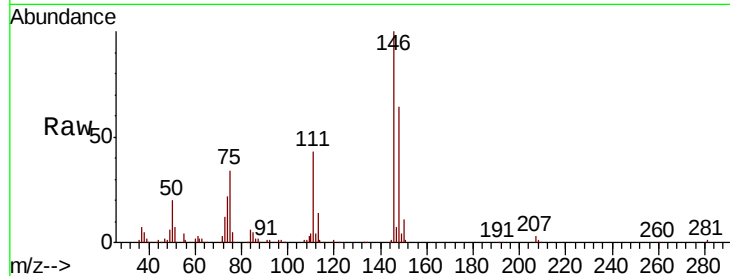
ClientSampleId :

VN1210WBS01

Tot Ion:	146	Resp:	119280
Ion Ratio		Lower	Upper
146	100		
111	42.5	20.9	62.7
148	64.1	31.6	94.8

Manual Integrations
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12/11/2019 2:15:53 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.772 ug/l

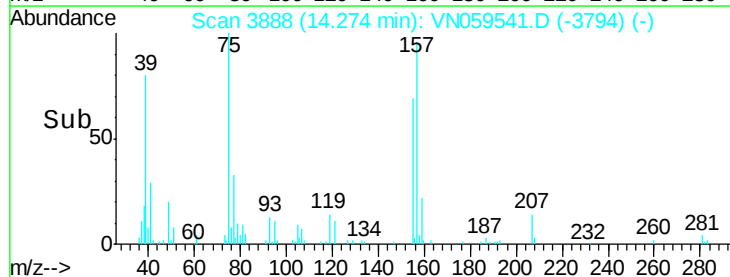
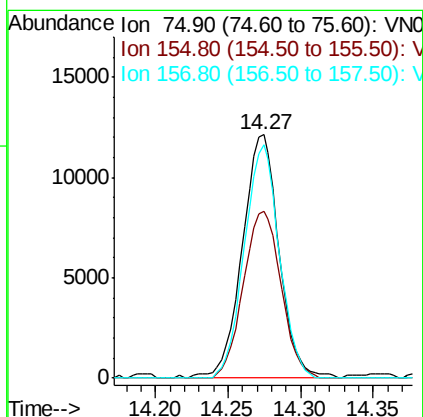
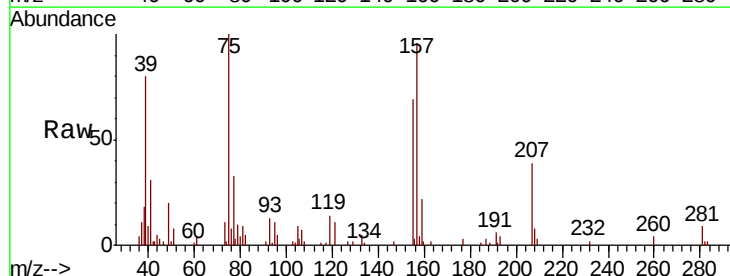
RT: 14.27 min Scan# 3888

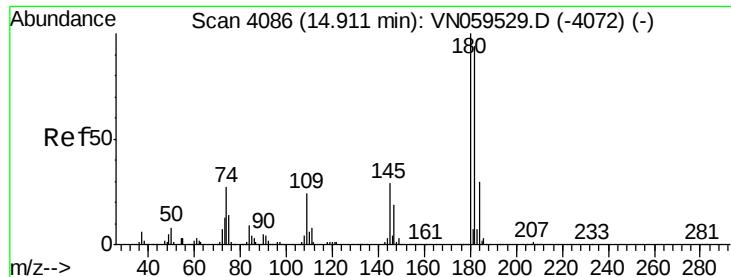
Delta R.T. 0.00 min

Lab File: VN059541.D

Acq: 10 Dec 2019 12:58

Tgt Ion:	75	Resp:	21440
Ion Ratio		Lower	Upper
75	100		
155	70.1	40.4	121.1
157	91.0	51.1	153.3





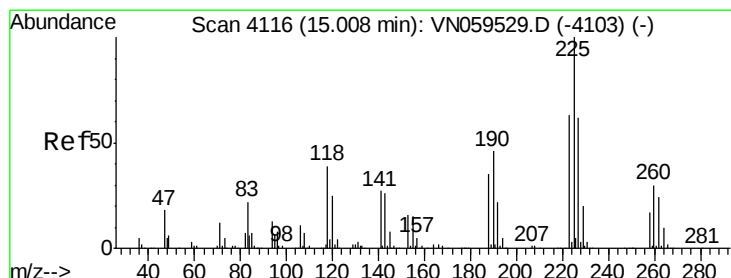
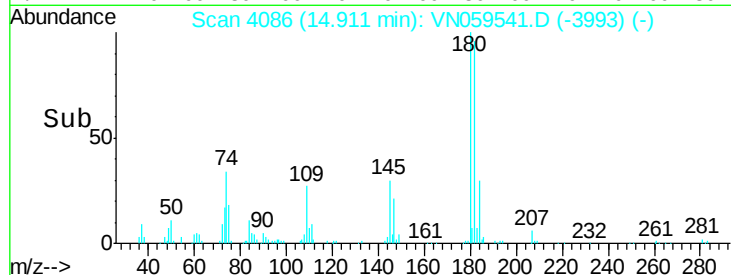
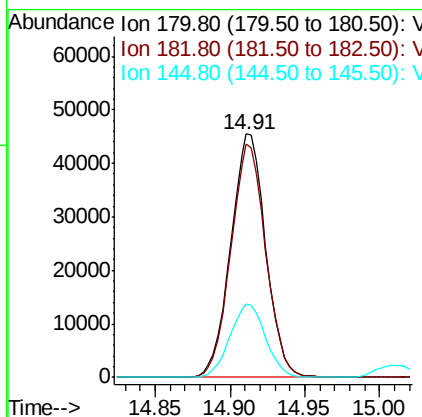
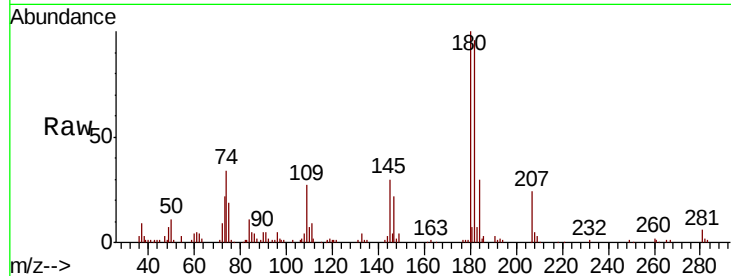
#93
 1,2,4-Trichlorobenzene
 Concen: 17.488 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	30.7	14.9	44.7

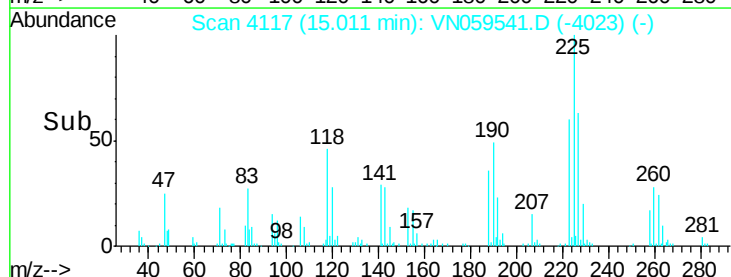
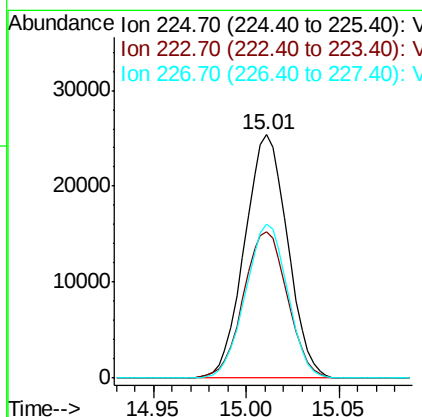
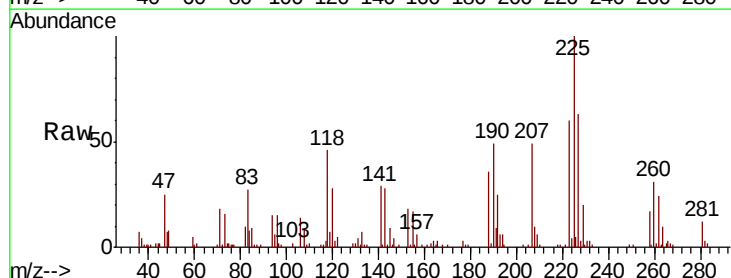
Manual Integrations
 APPROVED

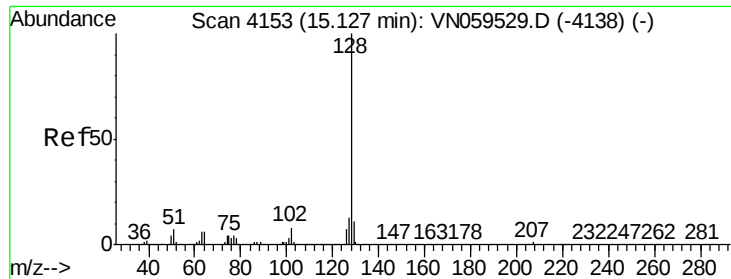
apatel
 12/11/2019 2:15:53 PM



#94
 Hexachlorobutadiene
 Concen: 19.026 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059541.D
 Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.3	93.9
227	61.9	31.6	95.0





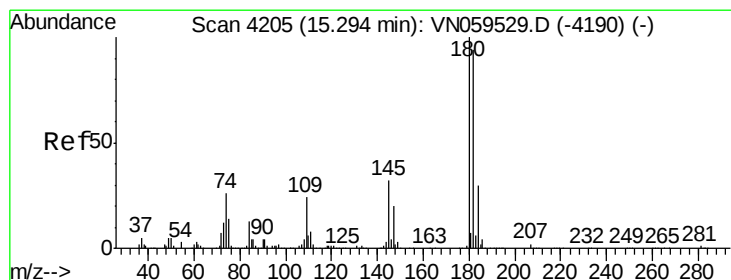
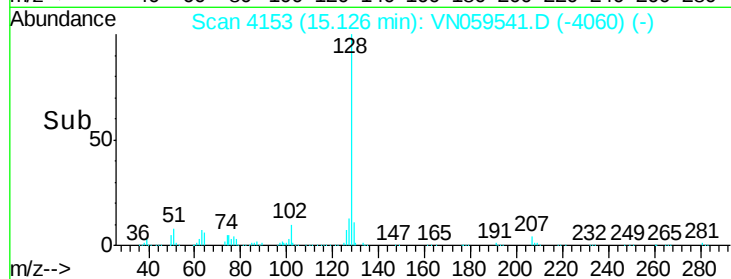
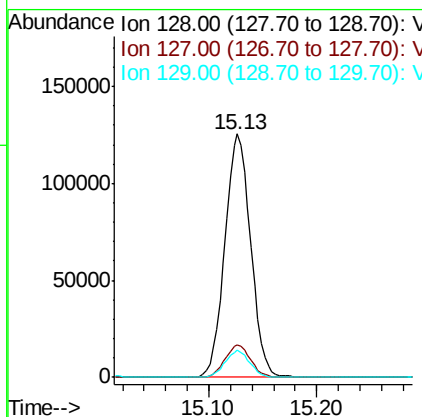
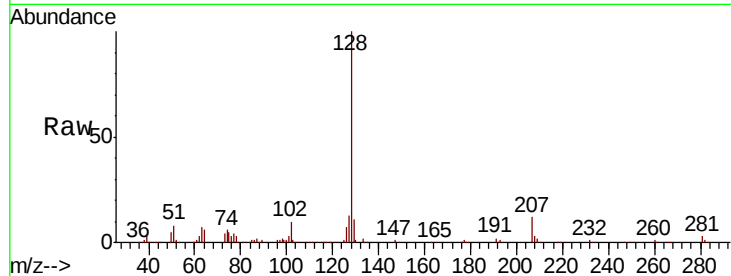
#95
Naphthalene
Concen: 16.941 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	10.7	8.6	13.0

Manual Integrations
APPROVED

apatel
12/11/2019 2:15:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.314 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059541.D
Acq: 10 Dec 2019 12:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.1	141.4
145	33.0	15.8	47.4

