

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012820\
 Data File : VN059891.D
 Acq On : 28 Jan 2020 12:36
 Operator : JC/MD
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Manual Integrations
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MMDadoda
 1/29/2020 11:04:14 AM

Quant Time: Jan 28 12:58:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	311406	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130186	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	114675	51.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.76%	
35) Dibromofluoromethane	7.56	113	95577	51.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.94%	
50) Toluene-d8	10.08	98	361088	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	126546	48.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	44065	18.266	ug/l	98
3) Chloromethane	2.04	50	41584	18.073	ug/l	98
4) Vinyl Chloride	2.17	62	52239	19.844	ug/l	97
5) Bromomethane	2.54	94	33274	20.711	ug/l	99
6) Chloroethane	2.68	64	25126	20.174	ug/l	98
7) Trichlorofluoromethane	3.00	101	64151	20.291	ug/l	97
8) Diethyl Ether	3.38	74	24042	21.669	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	38448	21.850	ug/l	93
10) Methyl Iodide	3.93	142	57747	20.303	ug/l	93
11) Tert butyl alcohol	4.73	59	38874	103.467	ug/l	99
12) 1,1-Dichloroethene	3.72	96	36105	19.637	ug/l	88
13) Acrolein	3.58	56	19085	71.759	ug/l	94
14) Allyl chloride	4.29	41	47995	19.366	ug/l #	83
15) Acrylonitrile	4.94	53	92279	107.673	ug/l	99
16) Acetone	3.78	43	89926	112.636	ug/l	97
17) Carbon Disulfide	4.03	76	92265	17.615	ug/l	100
18) Methyl Acetate	4.28	43	55393	21.249	ug/l #	89
19) Methyl tert-butyl Ether	5.00	73	131244	21.893	ug/l	97
20) Methylene Chloride	4.52	84	43375	20.724	ug/l	86
21) trans-1,2-Dichloroethene	5.01	96	38871	19.888	ug/l	90
22) Diisopropyl ether	5.91	45	118051	21.019	ug/l #	95
23) Vinyl Acetate	5.86	43	451954	103.937	ug/l #	93
24) 1,1-Dichloroethane	5.81	63	70681	20.597	ug/l	97
25) 2-Butanone	6.80	43	122275	96.747	ug/l	92
26) 2,2-Dichloropropane	6.79	77	67514	20.464	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	47238	21.014	ug/l	88
28) Bromochloromethane	7.16	49	28171	20.539	ug/l #	70
29) Tetrahydrofuran	7.18	42	77378	98.952	ug/l #	85
30) Chloroform	7.35	83	77021	21.662	ug/l	99
31) Cyclohexane	7.63	56	61212	18.537	ug/l #	83
32) 1,1,1-Trichloroethane	7.55	97	68804	20.929	ug/l	95
36) 1,1-Dichloropropene	7.77	75	54468	20.085	ug/l	96
37) Ethyl Acetate	6.90	43	50711	19.938	ug/l	97
38) Carbon Tetrachloride	7.75	117	61985	21.012	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64793	19.377	ug/l	91
40) Benzene	8.02	78	164872	20.386	ug/l	99
41) Methacrylonitrile	7.15	41	20786m	16.592	ug/l	
42) 1,2-Dichloroethane	8.10	62	59857	21.828	ug/l	96
43) Isopropyl Acetate	8.14	43	86432	19.757	ug/l #	93
44) Trichloroethene	8.82	130	48524	21.978	ug/l	93
45) 1,2-Dichloropropane	9.10	63	42458	21.215	ug/l	99
46) Dibromomethane	9.19	93	30889	21.880	ug/l	91
47) Bromodichloromethane	9.38	83	61853	21.742	ug/l	99
48) Methyl methacrylate	9.18	41	38021	19.430	ug/l	88
49) 1,4-Dioxane	9.18	88	15646	436.756	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	256223	101.315	ug/l	94
52) Toluene	10.14	92	107316	21.007	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	68360	21.520	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	72360	21.650	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	44897	22.190	ug/l	96
56) Ethyl methacrylate	10.42	69	62459	20.203	ug/l	90
57) 1,3-Dichloropropane	10.70	76	70149	21.838	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	102233	109.787	ug/l	90
59) 2-Hexanone	10.74	43	183373	98.423	ug/l	93
60) Dibromochloromethane	10.89	129	50663	21.989	ug/l	99
61) 1,2-Dibromoethane	10.99	107	46210	21.791	ug/l	98
64) Tetrachloroethene	10.62	164	51224	22.537	ug/l	94
65) Chlorobenzene	11.43	112	118222	21.567	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	46998	22.189	ug/l	97
67) Ethyl Benzene	11.50	91	208220	20.925	ug/l	98
68) m/p-Xylenes	11.62	106	156571	41.654	ug/l	95
69) o-Xylene	11.94	106	77108	20.954	ug/l	95
70) Styrene	11.96	104	123972	20.133	ug/l	96
71) Bromoform	12.12	173	37876	22.325	ug/l #	99
73) Isopropylbenzene	12.25	105	208858	21.875	ug/l	100
74) N-amyl acetate	12.07	43	71443	19.284	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	60388	21.817	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55297m	25.239	ug/l	
77) Bromobenzene	12.52	156	52188	21.584	ug/l	83
78) n-propylbenzene	12.59	91	227111	21.193	ug/l	96
79) 2-Chlorotoluene	12.67	91	136257	21.373	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	174620	21.747	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21075	20.658	ug/l	95
82) 4-Chlorotoluene	12.77	91	137383	21.485	ug/l	96
83) tert-Butylbenzene	12.99	119	149672	21.552	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	174616	21.981	ug/l	100
85) sec-Butylbenzene	13.17	105	192757	21.126	ug/l	98
86) p-Isopropyltoluene	13.28	119	180428	21.371	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	91035	21.675	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	91318	21.795	ug/l	98
89) n-Butylbenzene	13.61	91	149296	20.740	ug/l	98
90) Hexachloroethane	13.87	117	33367	21.124	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	90771	21.861	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12596	19.947	ug/l	86

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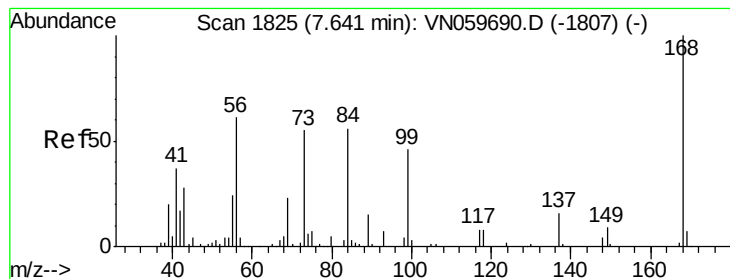
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51876	20.793	ug/l	98
94) Hexachlorobutadiene	15.01	225	29679	21.587	ug/l	98
95) Naphthalene	15.13	128	139757	19.694	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50737	20.892	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:168 Resp: 200969

Ion Ratio Lower Upper

168 100

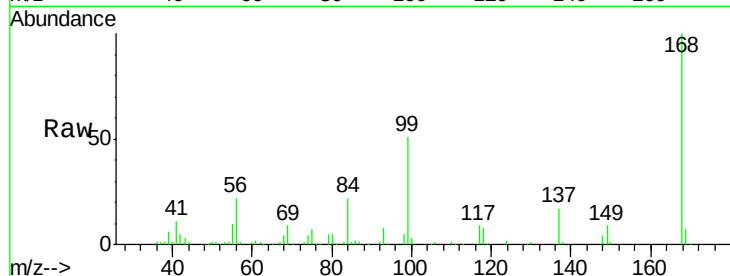
99 51.4 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

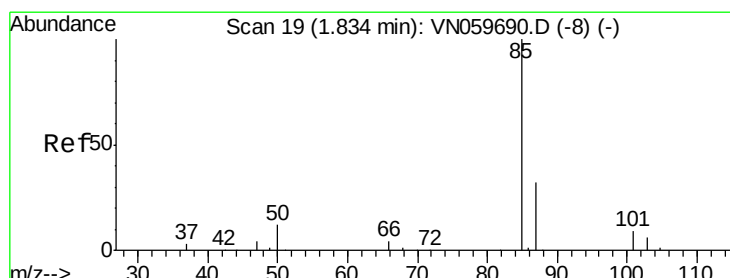
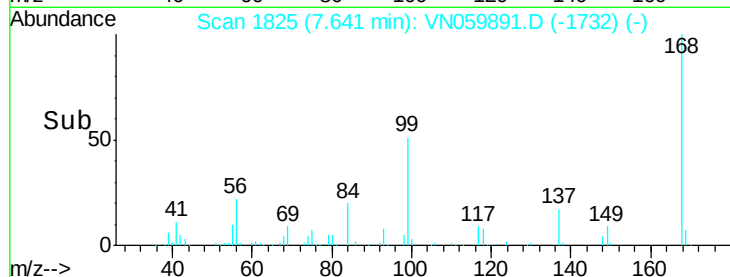
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.266 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059891.D

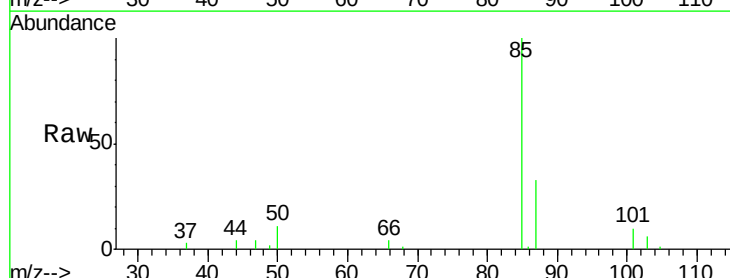
Acq: 28 Jan 2020 12:36

Tgt Ion: 85 Resp: 44065

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

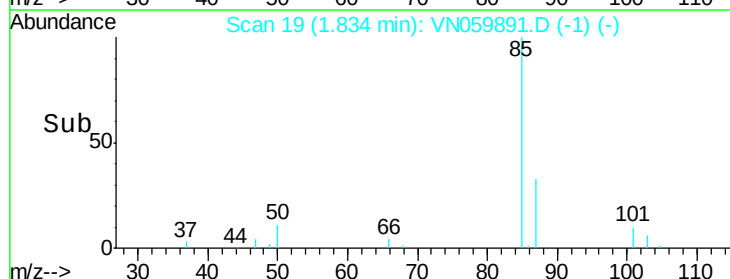
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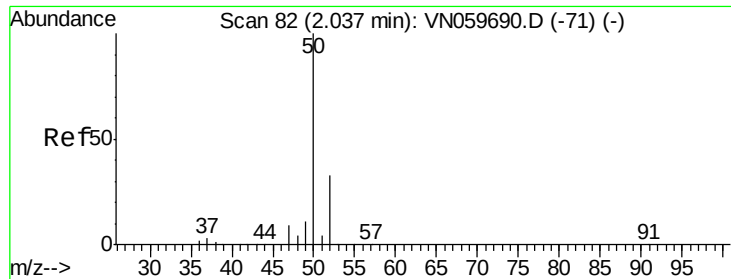
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.073 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 50 Resp: 41584

Ion Ratio Lower Upper

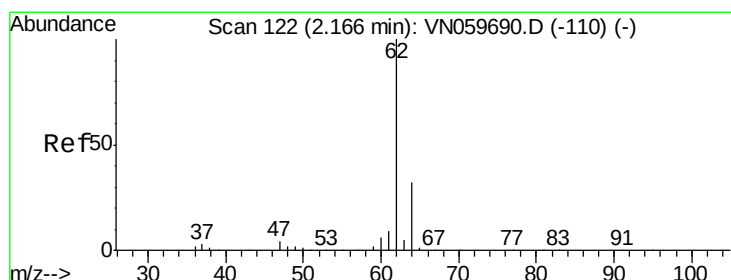
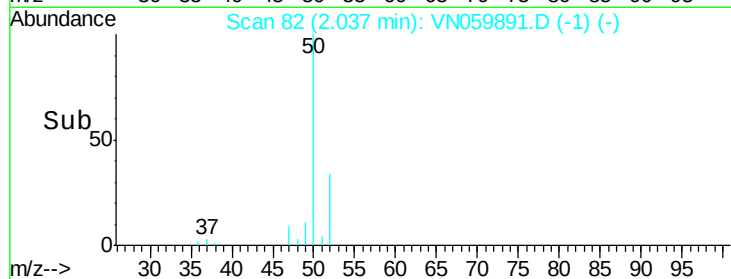
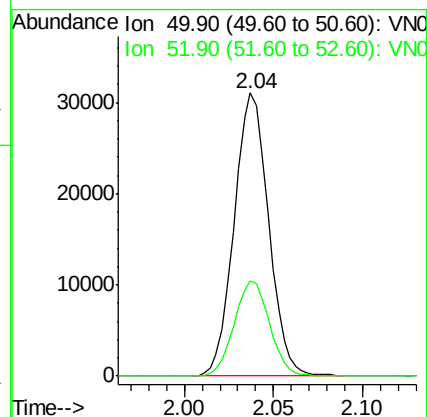
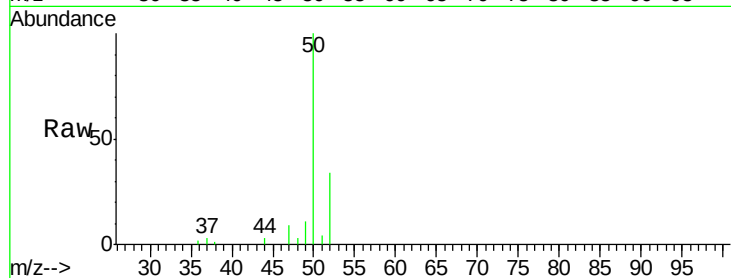
50 100

52 33.6 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.844 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059891.D

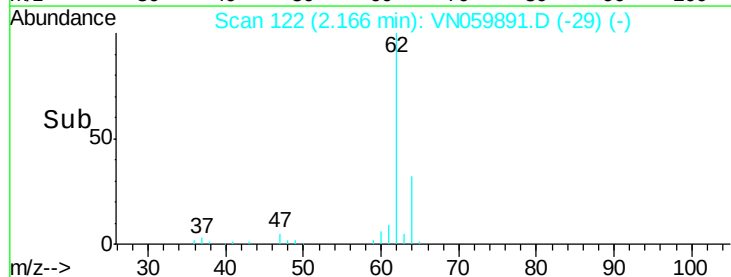
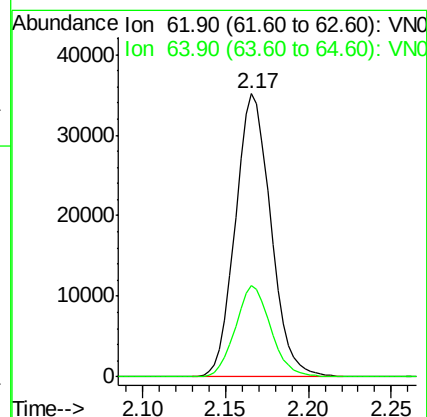
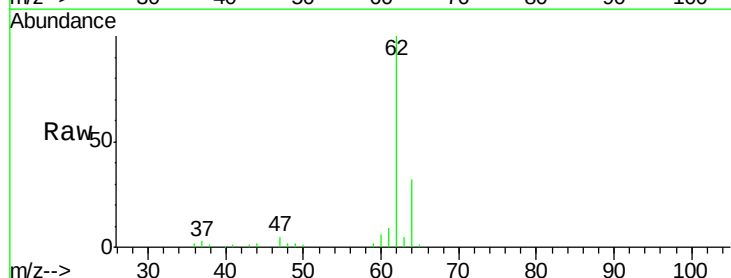
Acq: 28 Jan 2020 12:36

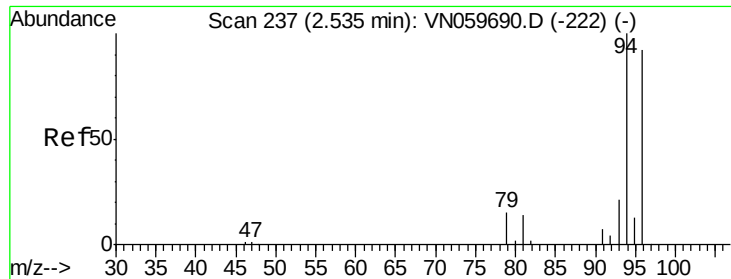
Tgt Ion: 62 Resp: 52239

Ion Ratio Lower Upper

62 100

64 32.2 24.6 37.0





#5

Bromomethane

Concen: 20.711 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 94 Resp: 33274

Ion Ratio Lower Upper

94 100

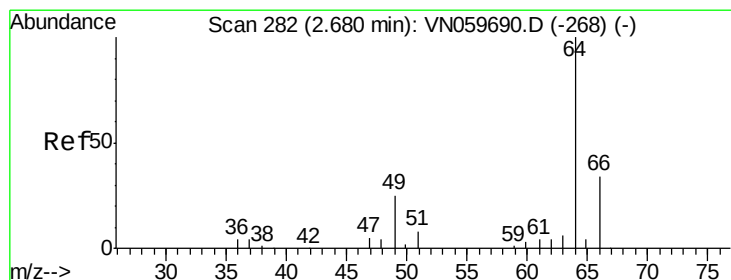
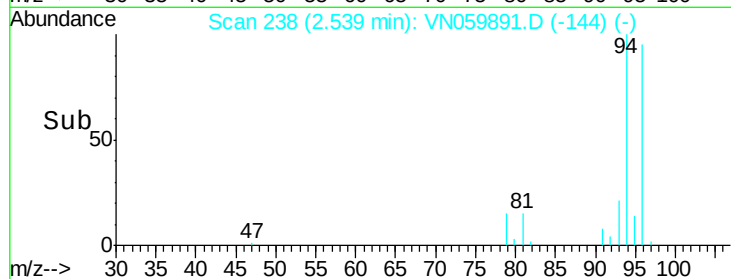
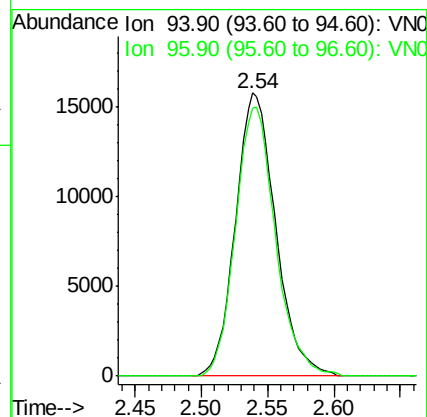
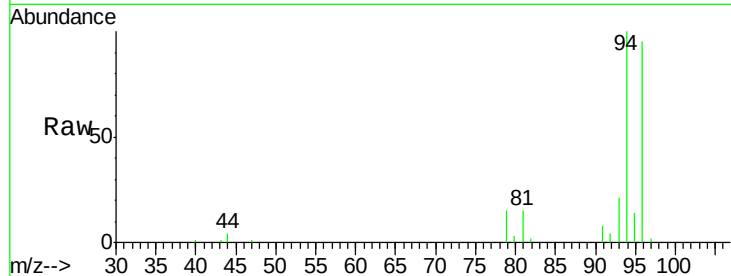
96 94.8 74.7 112.1

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#6

Chloroethane

Concen: 20.174 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059891.D

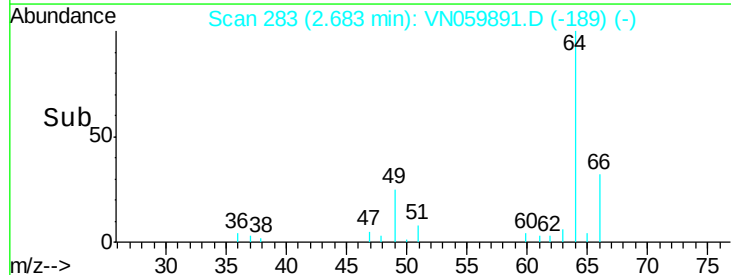
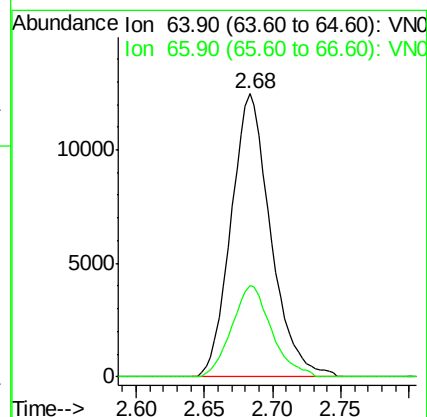
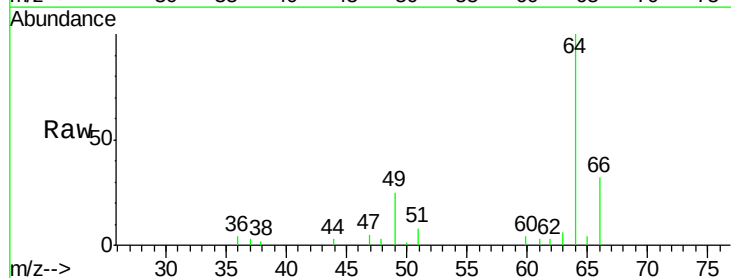
Acq: 28 Jan 2020 12:36

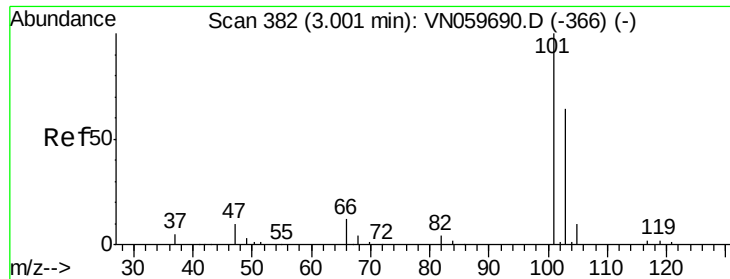
Tgt Ion: 64 Resp: 25126

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

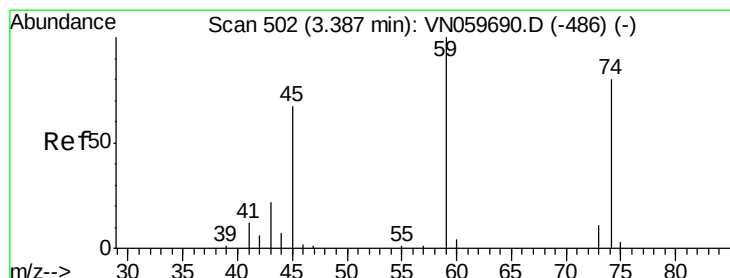
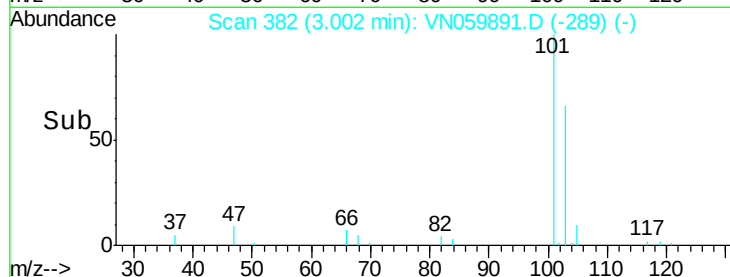
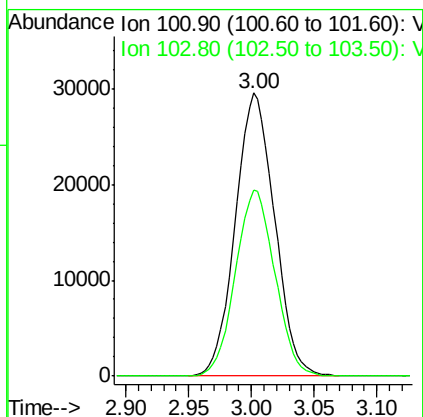
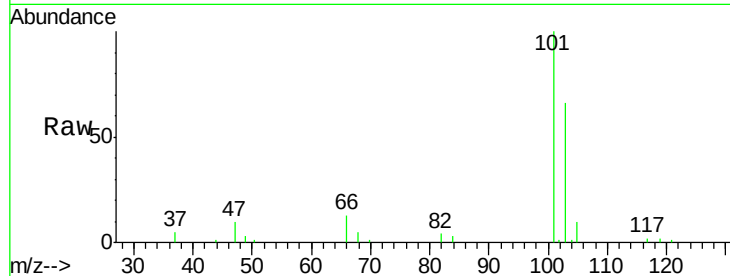
Trichlorofluoromethane
Concen: 20.291 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
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ClientSampleId :
VN0128WBS01

Tot Ion:101 Resp: 64151
Ion Ratio Lower Upper
101 100
103 65.9 51.0 76.6

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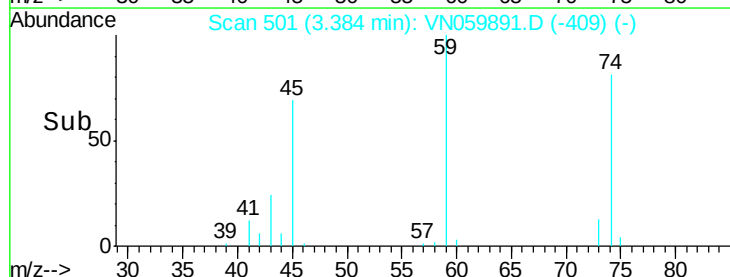
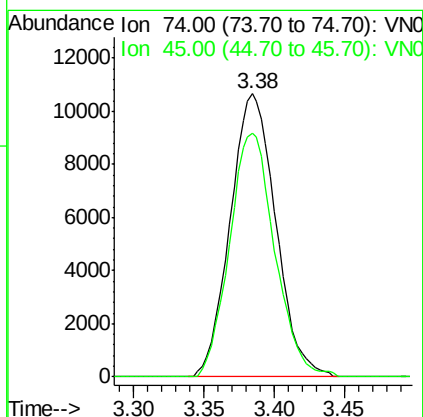
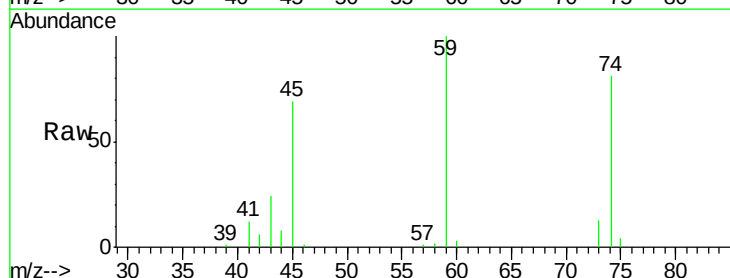
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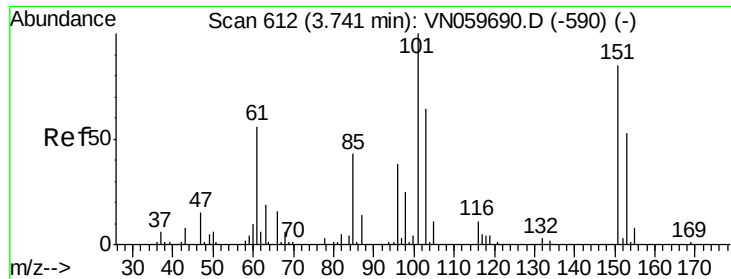


#8

Diethyl Ether
Concen: 21.669 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 74 Resp: 24042
Ion Ratio Lower Upper
74 100
45 85.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.850 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

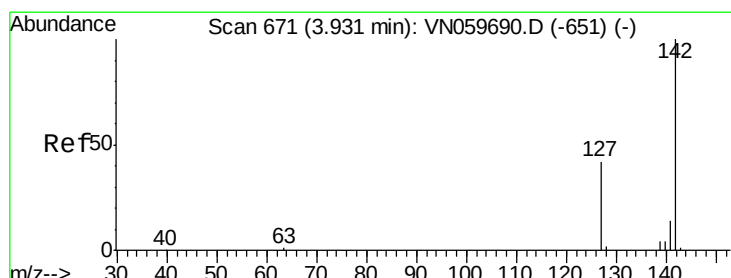
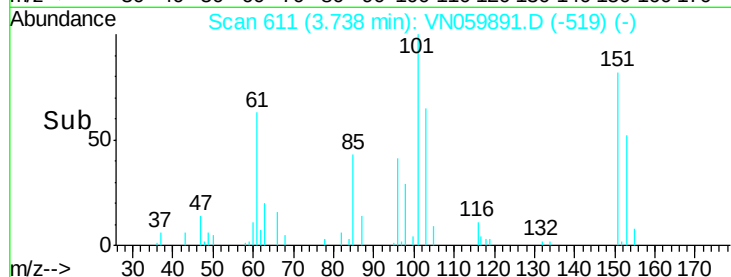
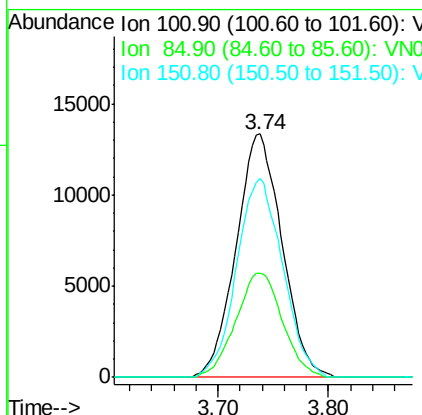
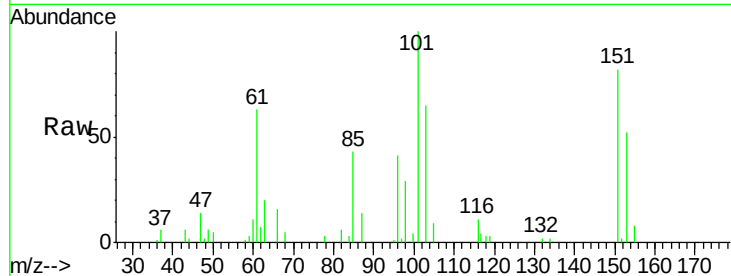
ClientSampleId :

VN0128WBS01

Tot Ion:	101	Resp:	38448
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.6	54.8
151	82.0	59.7	89.5

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#10

Methyl Iodide

Concen: 20.303 ug/l

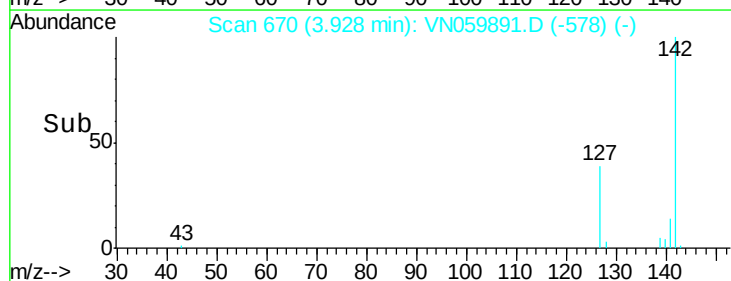
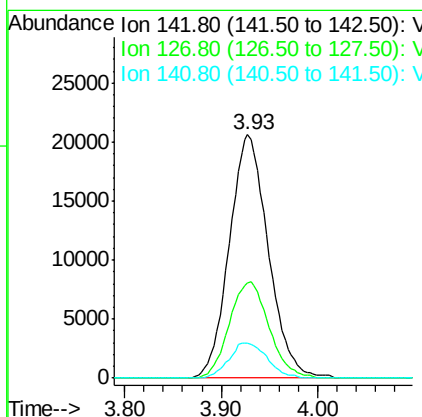
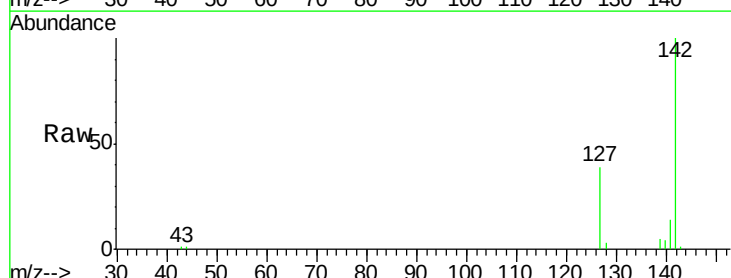
RT: 3.93 min Scan# 670

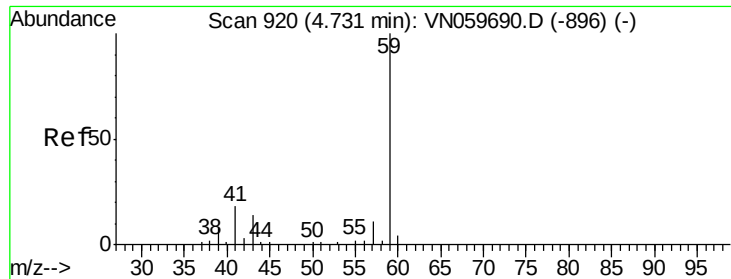
Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	142	Resp:	57747
Ion Ratio	Lower	Upper	
142	100		
127	40.3	36.7	55.1
141	14.1	11.7	17.5





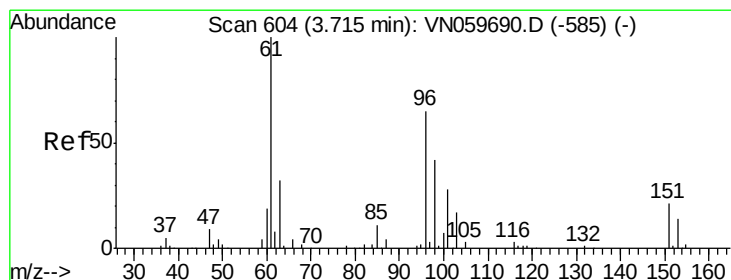
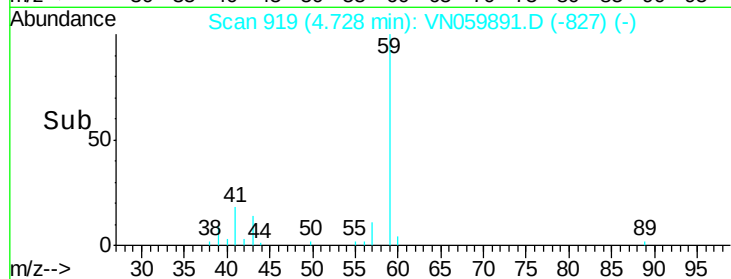
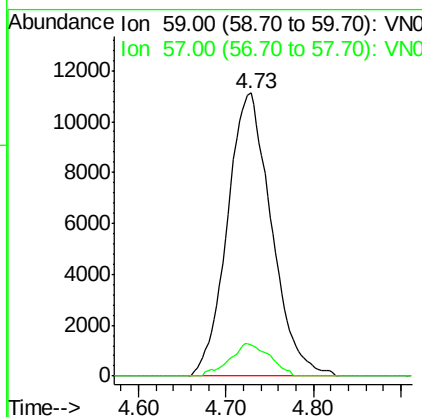
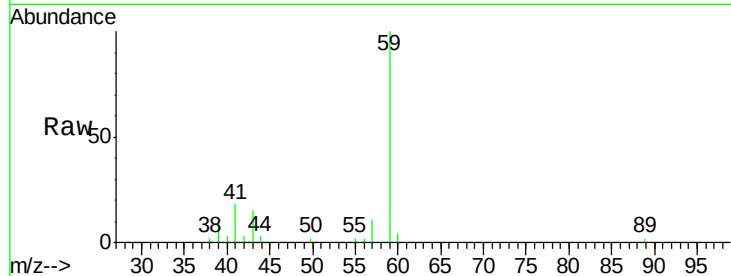
#11
Tert butyl alcohol
Concen: 103.467 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 59 Resp: 38874
Ion Ratio Lower Upper
59 100
57 10.4 8.6 12.8

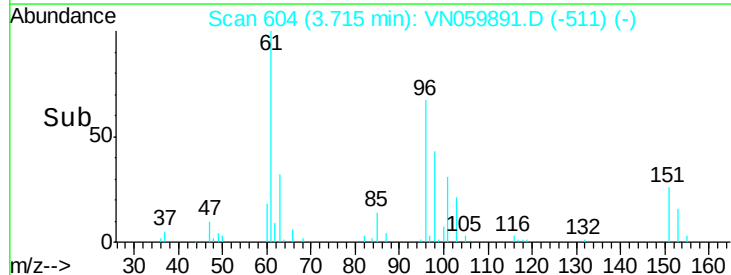
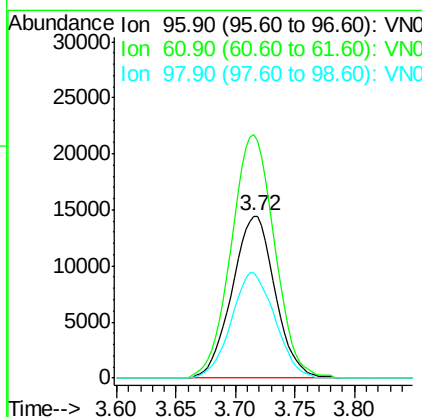
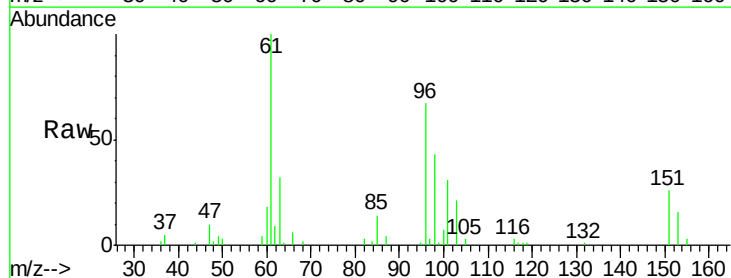
Manual Integrations
APPROVED

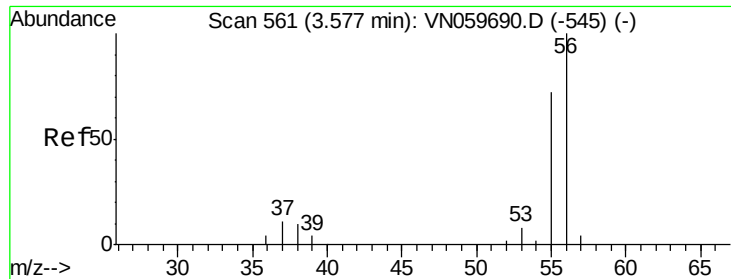
MMDadoda
1/29/2020 11:04:14 AM



#12
1,1-Dichloroethene
Concen: 19.637 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 96 Resp: 36105
Ion Ratio Lower Upper
96 100
61 150.2 137.5 206.3
98 65.1 50.2 75.4





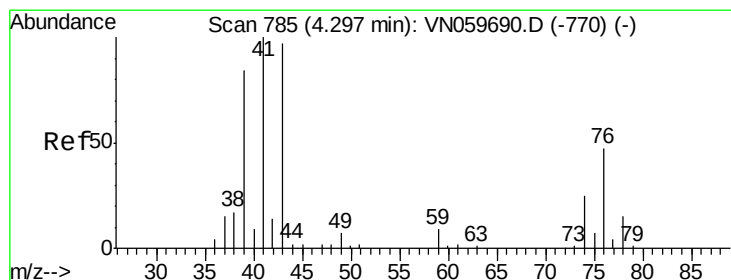
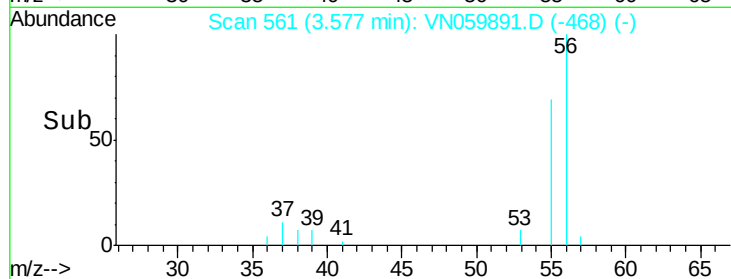
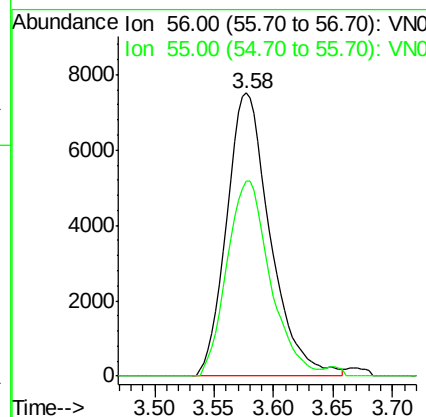
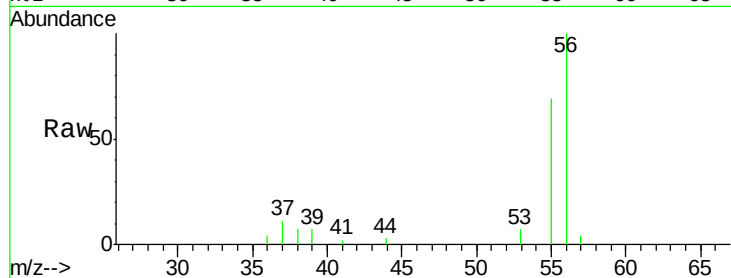
#13
Acrolein
Concen: 71.759 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 56 Resp: 19085
Ion Ratio Lower Upper
56 100
55 68.3 58.6 88.0

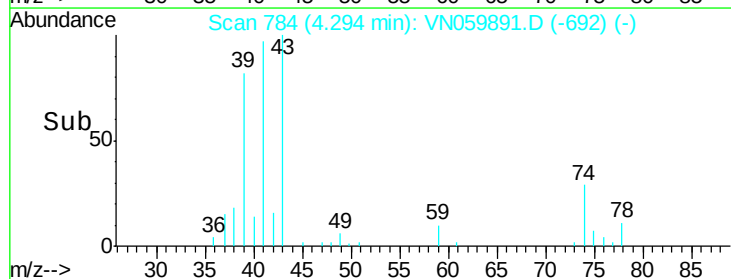
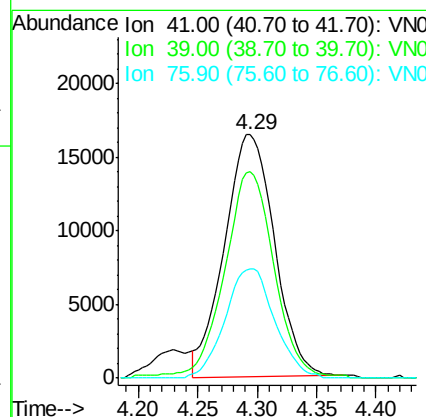
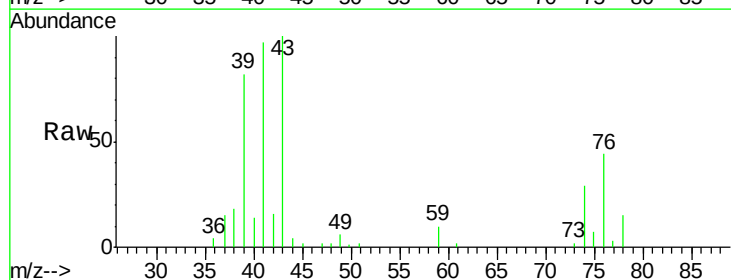
Manual Integrations
APPROVED

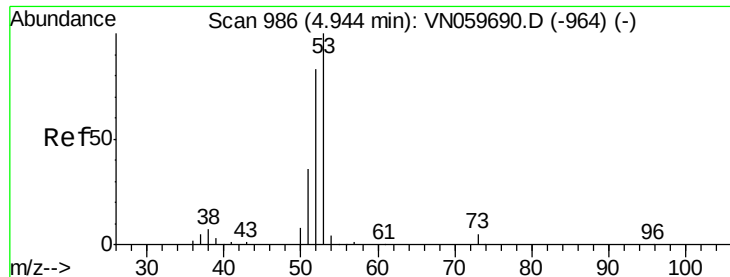
MMDadoda
1/29/2020 11:04:14 AM



#14
Allyl chloride
Concen: 19.366 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 41 Resp: 47995
Ion Ratio Lower Upper
41 100
39 84.3 57.8 86.8
76 44.7 25.4 38.0#





#15

Acrylonitrile

Concen: 107.673 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

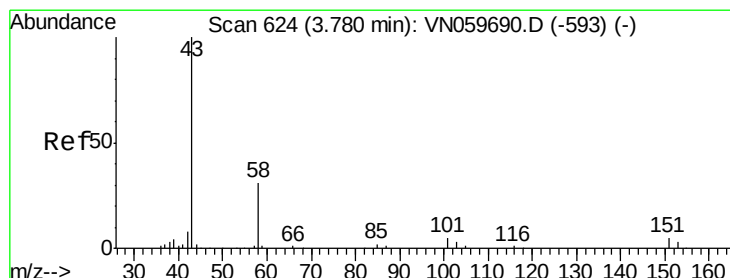
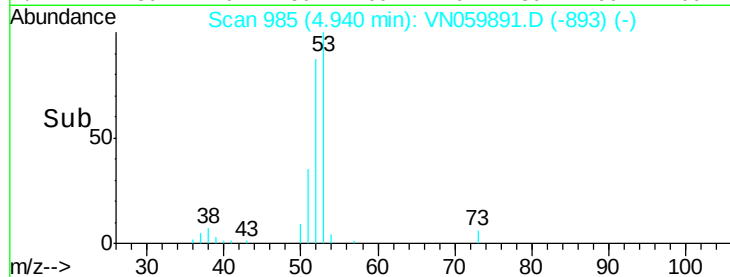
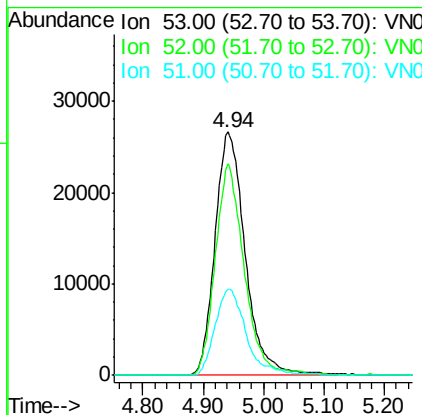
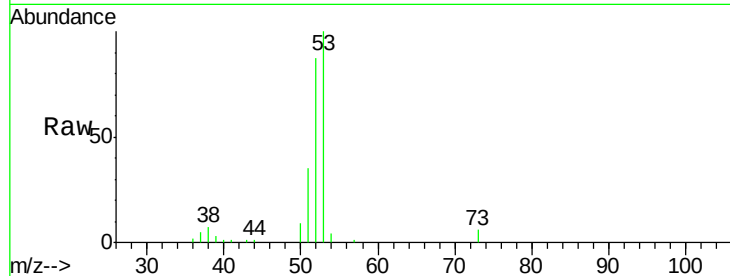
ClientSampleId :

VN0128WBS01

Tot Ion:	53	Resp:	92279
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.3	99.5
51	36.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 112.636 ug/l

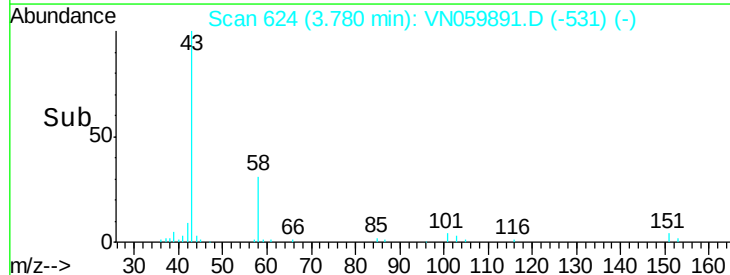
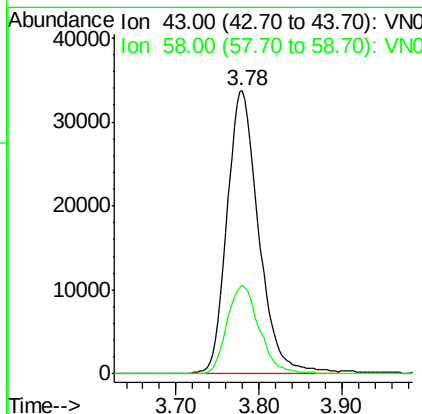
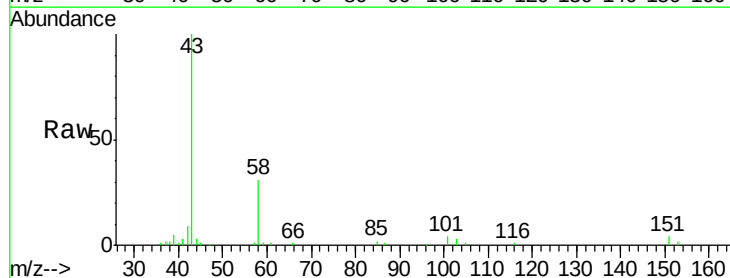
RT: 3.78 min Scan# 624

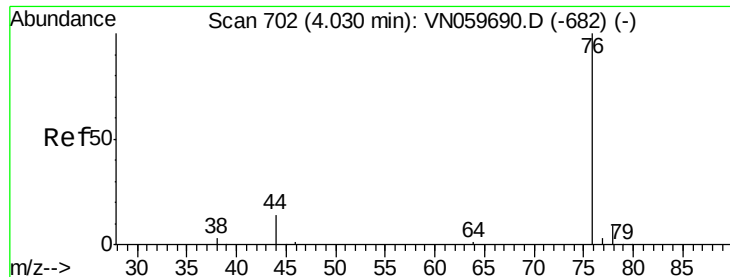
Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	43	Resp:	89926
Ion	Ratio	Lower	Upper
43	100		
58	31.2	23.6	35.4





#17

Carbon Disulfide

Concen: 17.615 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 76 Resp: 92265

Ion Ratio Lower Upper

76 100

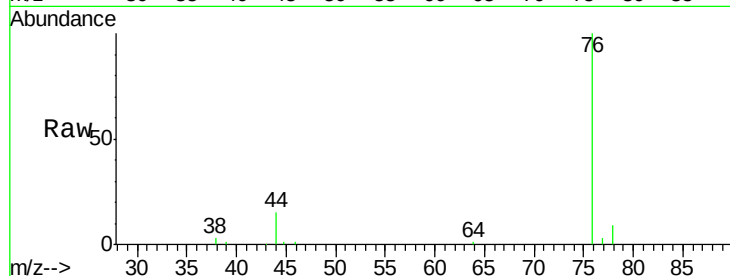
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

30000

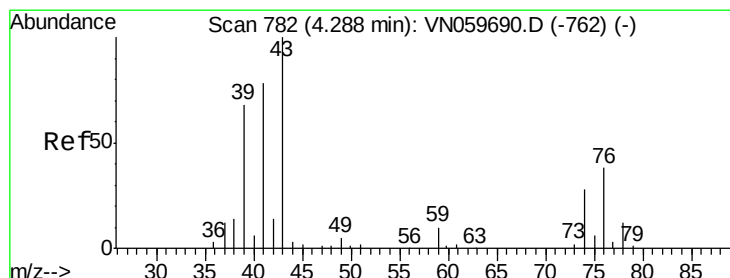
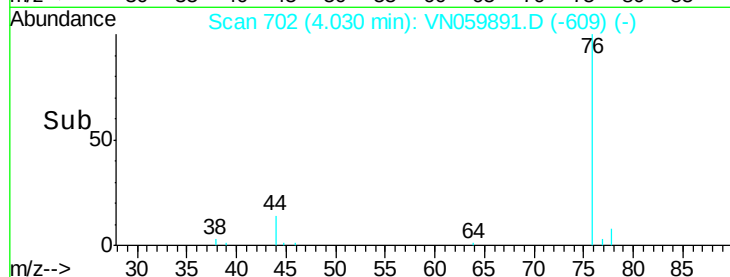
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 21.249 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN059891.D

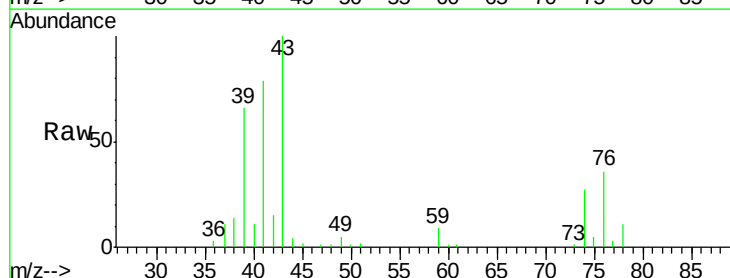
Acq: 28 Jan 2020 12:36

Tgt Ion: 43 Resp: 55393

Ion Ratio Lower Upper

43 100

74 27.4 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

20000

15000

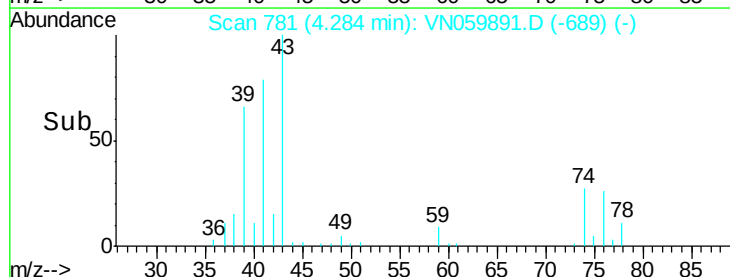
10000

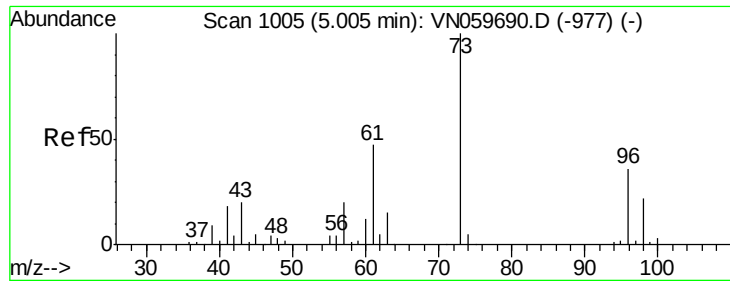
5000

0

Time-->

4.20 4.30 4.40





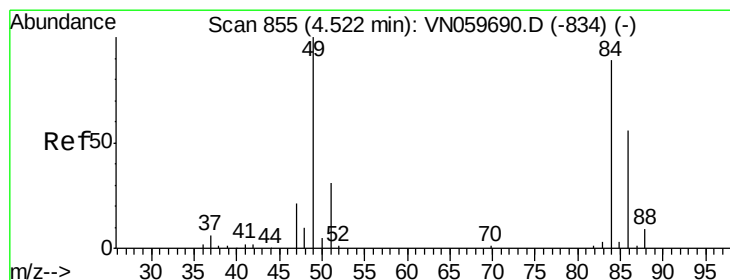
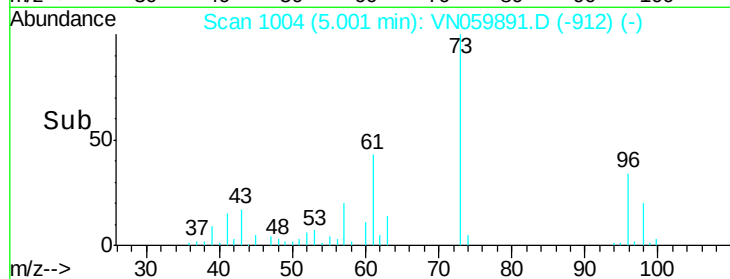
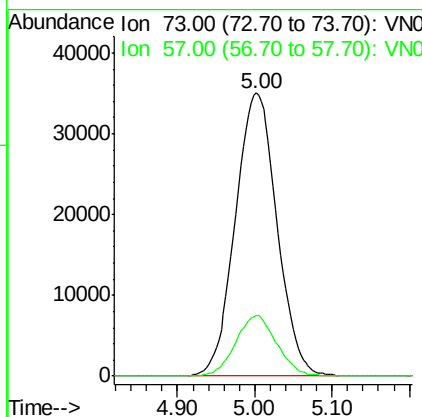
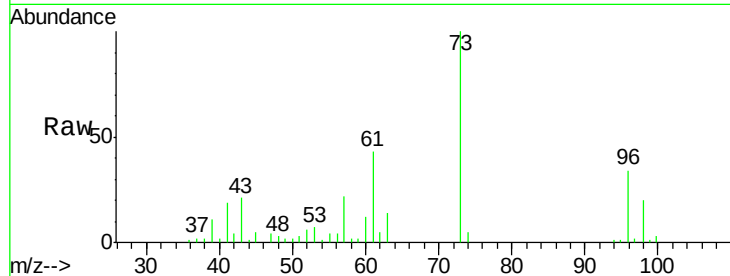
#19
Methyl tert-butyl Ether
Concen: 21.893 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 73 Resp: 131244
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8

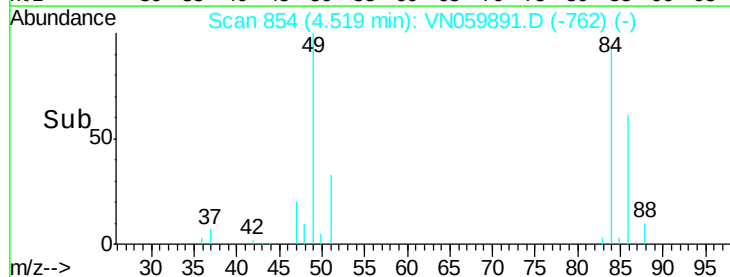
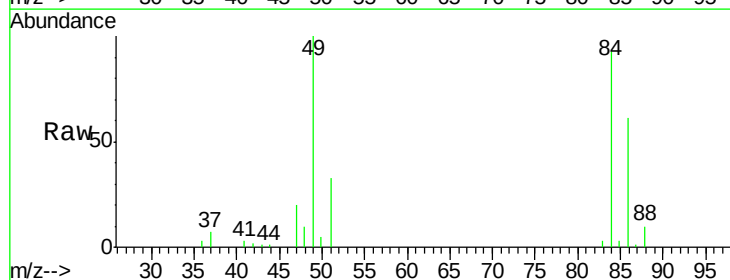
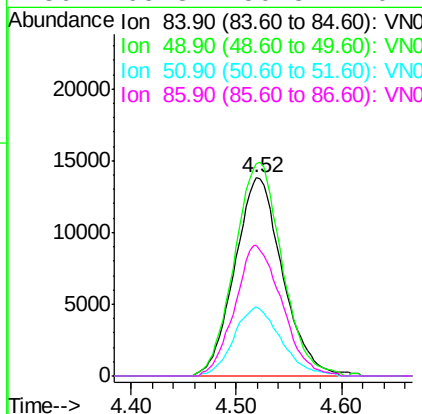
Manual Integrations
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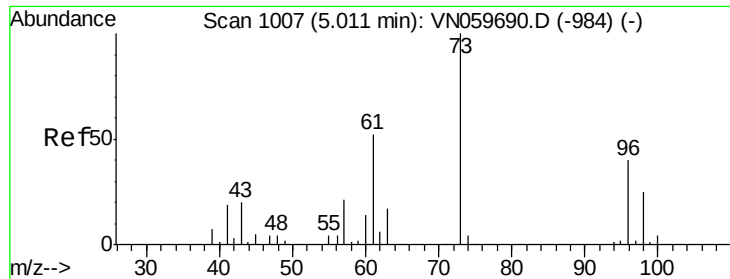
MMDadoda
1/29/2020 11:04:14 AM



#20
Methylene Chloride
Concen: 20.724 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 84 Resp: 43375
Ion Ratio Lower Upper
84 100
49 107.7 106.6 160.0
51 35.2 31.9 47.9
86 65.8 50.8 76.2





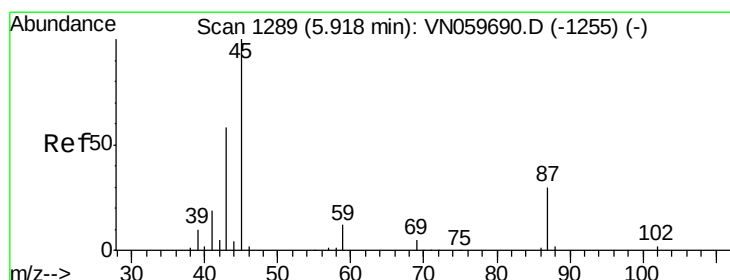
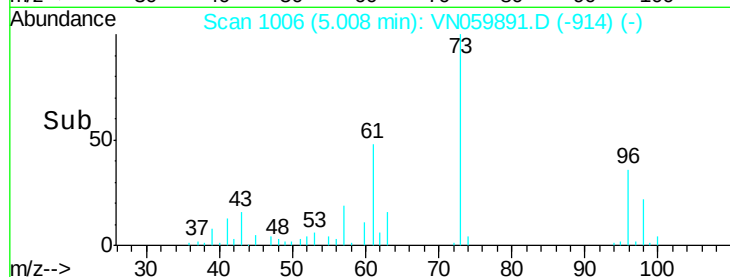
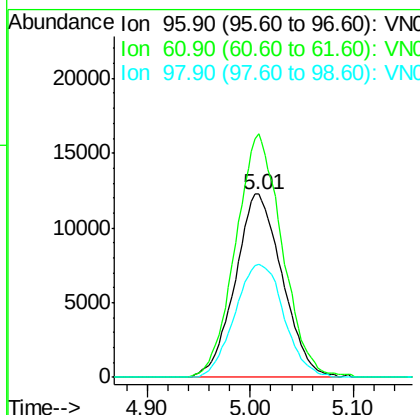
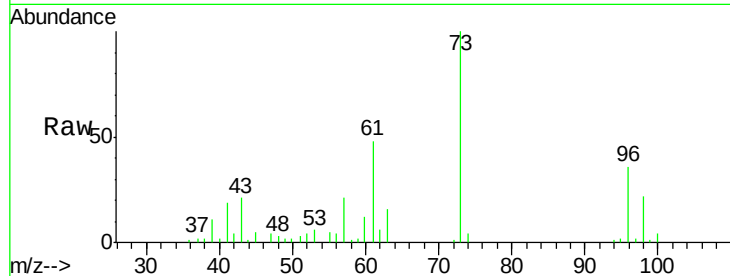
#21
trans-1,2-Dichloroethene
Concen: 19.888 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.9	120.4	180.6
98	62.0	50.6	75.8

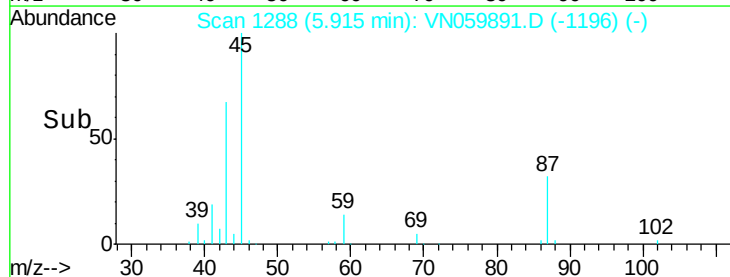
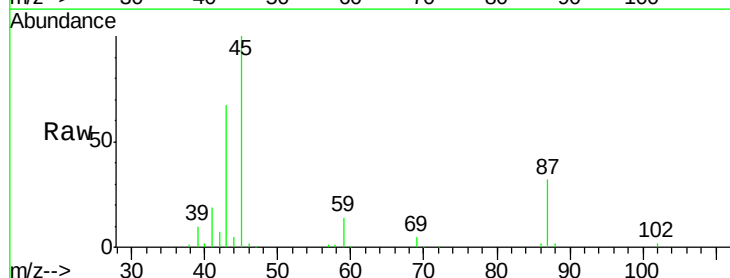
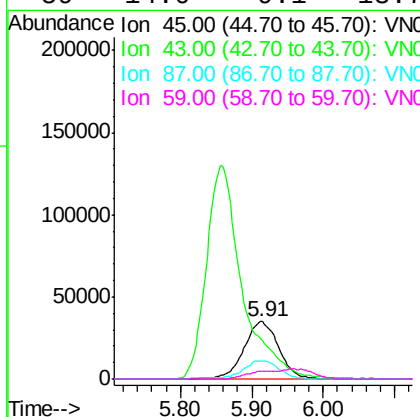
Manual Integrations
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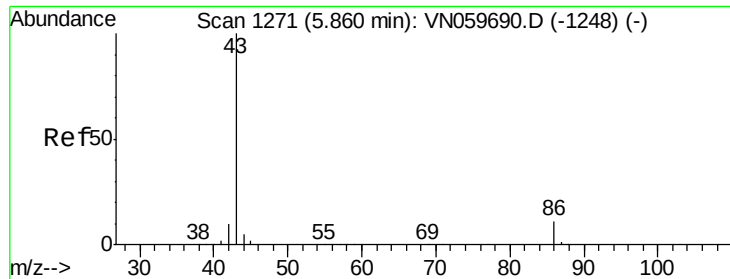
MMDadoda
1/29/2020 11:04:14 AM



#22
Diisopropyl ether
Concen: 21.019 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	50.8	76.2
87	31.7	21.0	31.6#
59	14.0	9.1	13.7#





#23

Vinyl Acetate

Concen: 103.937 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleID :

VN0128WBS01

Tot Ion: 43 Resp: 451954

Ion Ratio Lower Upper

43 100

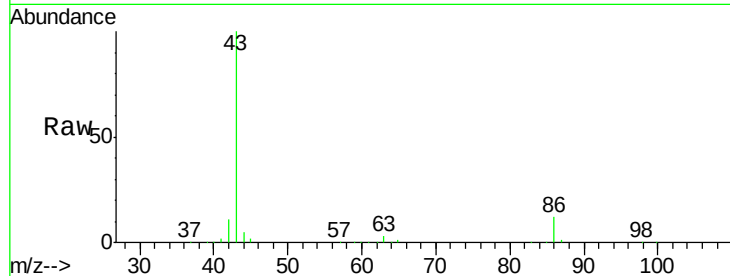
86 12.1 7.6 11.4#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

150000

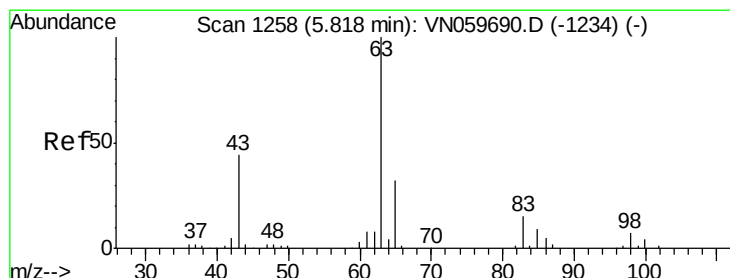
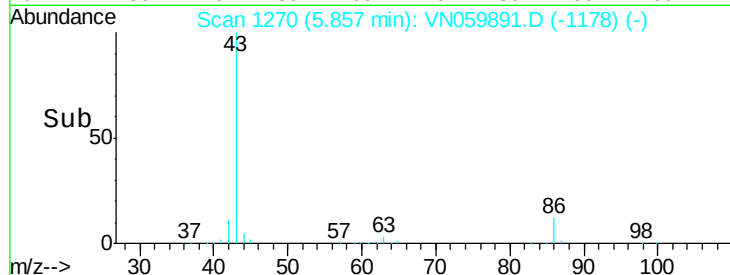
100000

50000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.597 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

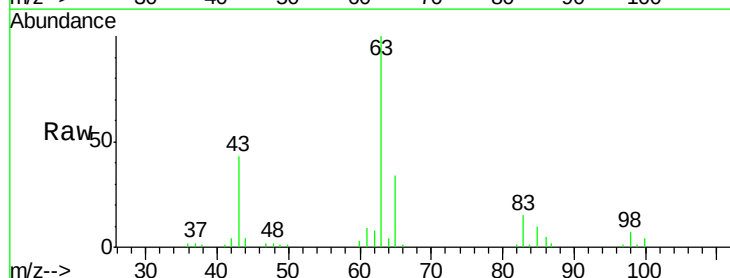
Tgt Ion: 63 Resp: 70681

Ion Ratio Lower Upper

63 100

98 7.2 2.9 8.7

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

30000

25000

20000

15000

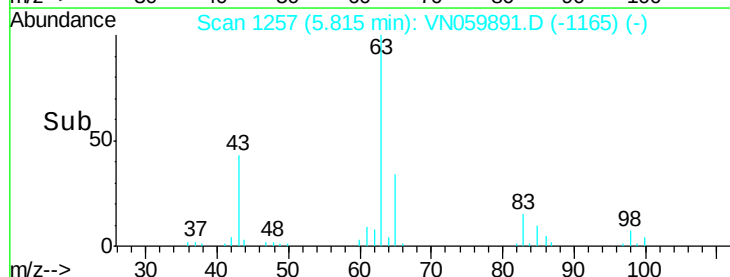
10000

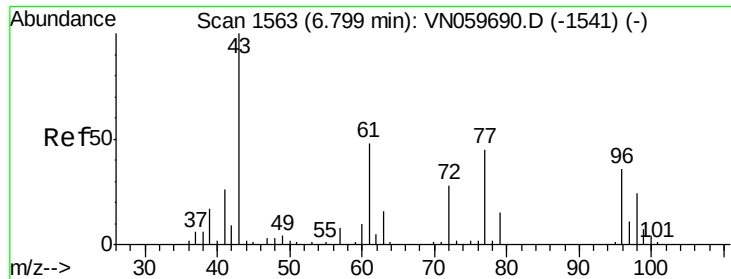
5000

0

5.70 5.80 5.90

Time-->





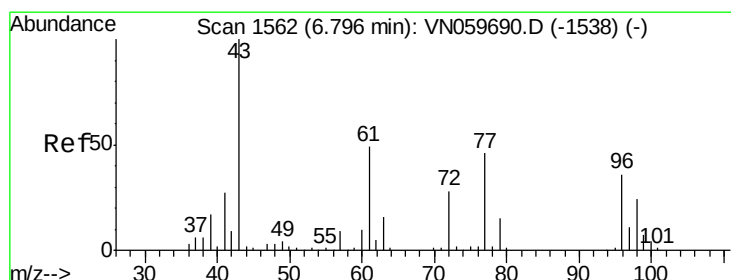
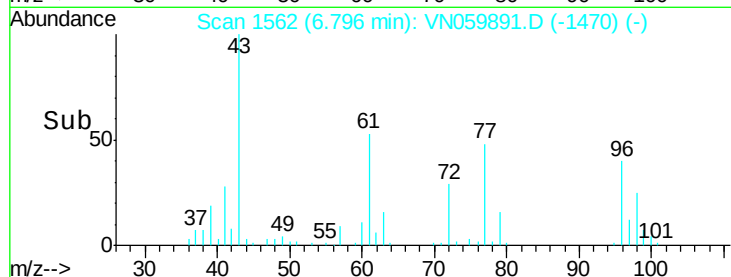
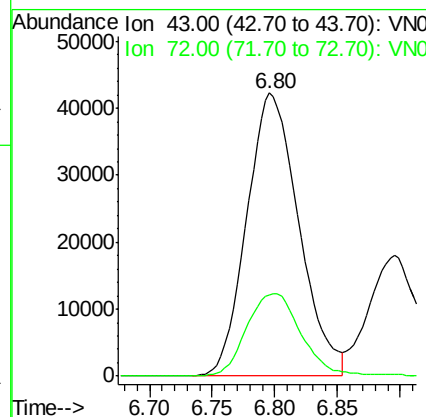
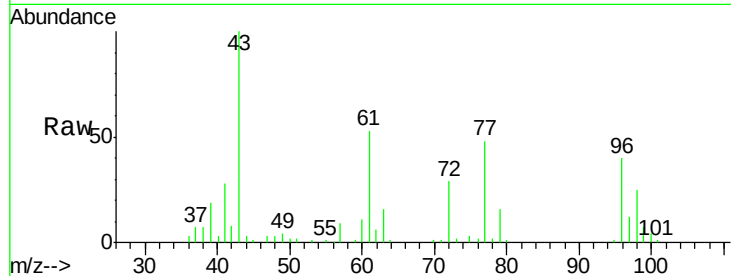
#25
2-Butanone
Concen: 96.747 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 43 Resp: 122275
Ion Ratio Lower Upper
43 100
72 28.8 19.9 29.9

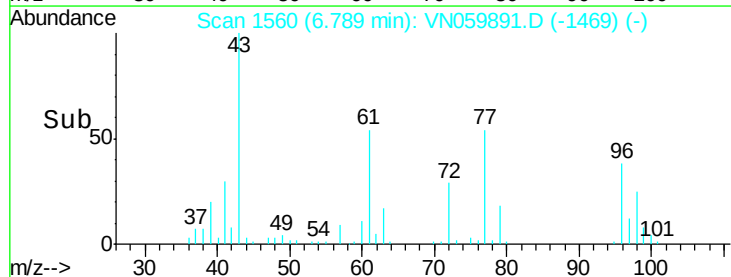
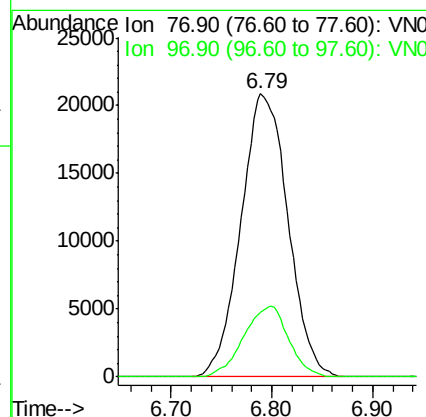
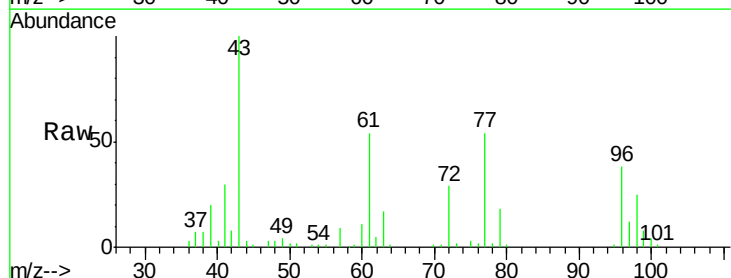
Manual Integrations
APPROVED

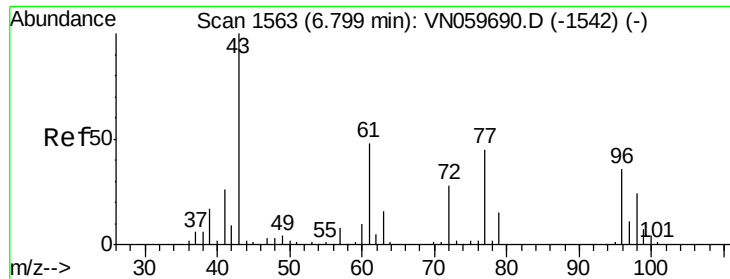
MMDadoda
1/29/2020 11:04:14 AM



#26
2,2-Dichloropropane
Concen: 20.464 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 77 Resp: 67514
Ion Ratio Lower Upper
77 100
97 23.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 21.014 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

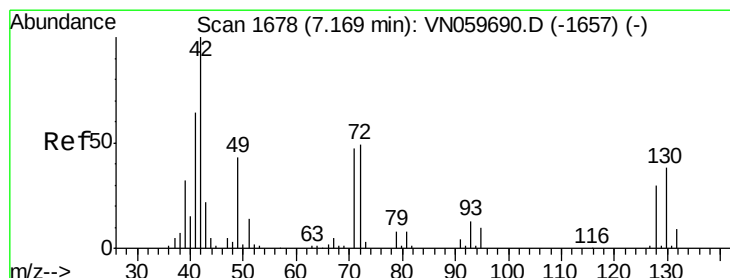
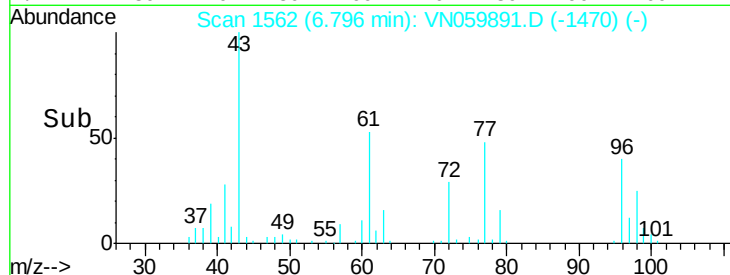
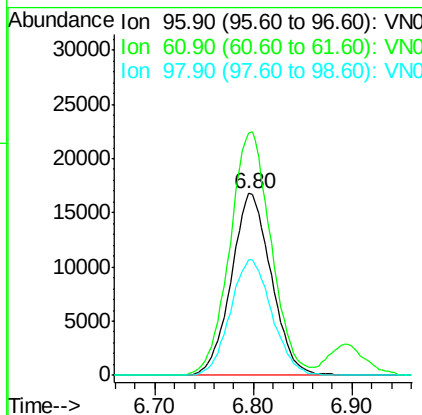
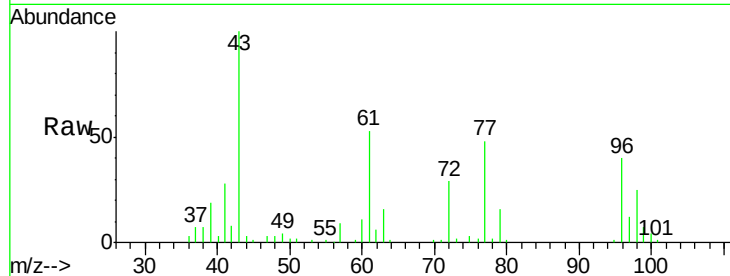
ClientSampleId :

VN0128WBS01

Tot Ion:	96	Resp:	47238
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	317.6
98	65.9	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 20.539 ug/l

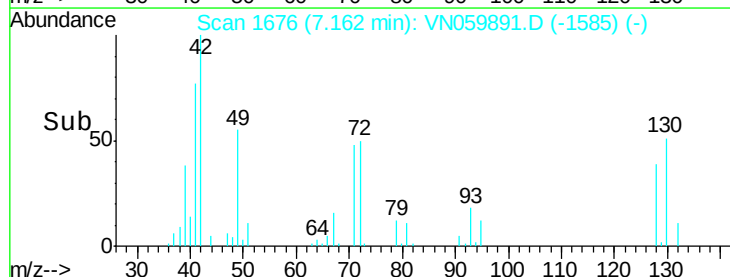
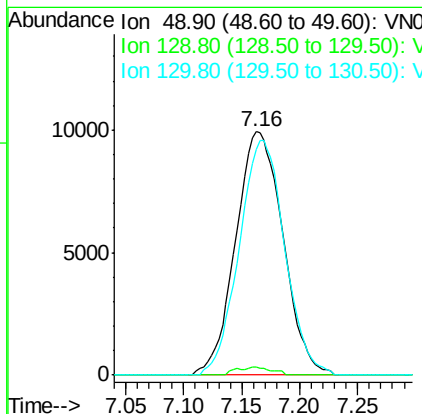
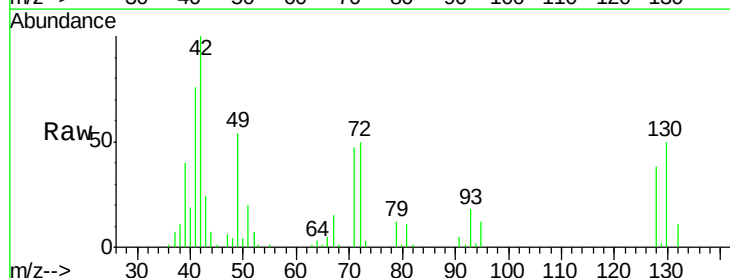
RT: 7.16 min Scan# 1676

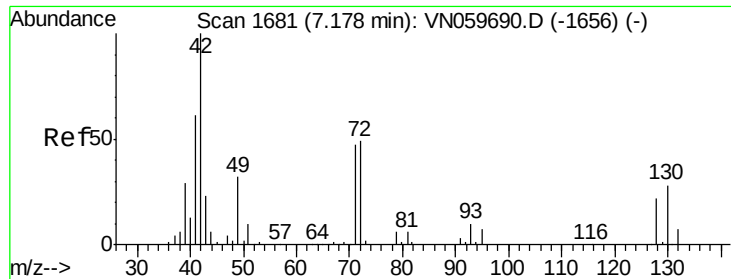
Delta R.T. -0.01 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	49	Resp:	28171
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	92.9	54.7	82.1#





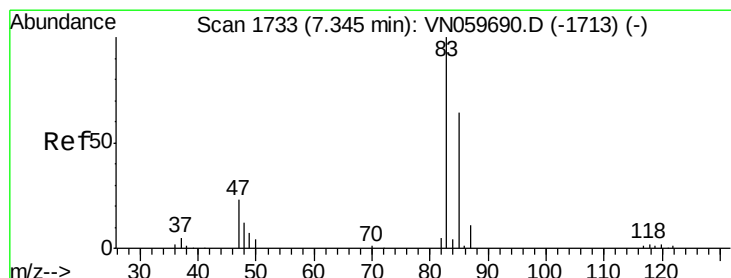
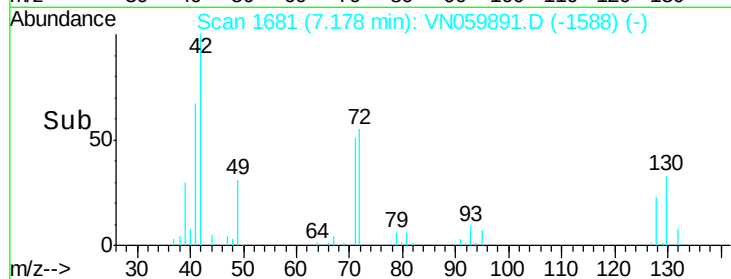
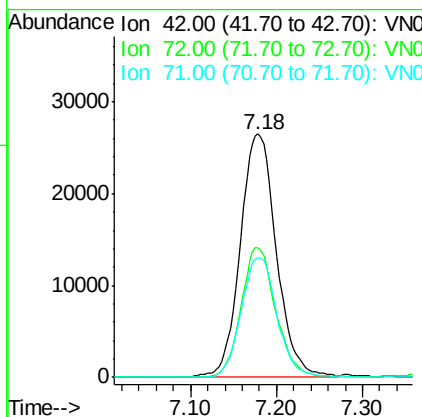
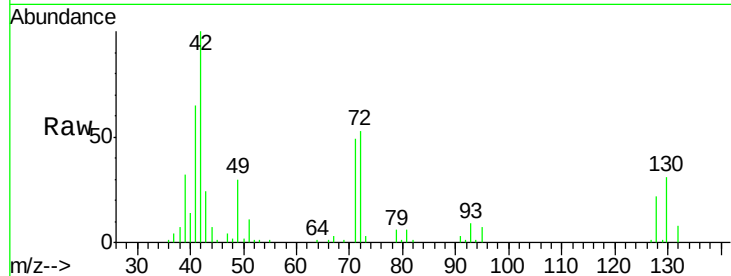
#29
Tetrahydrofuran
Concen: 98.952 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.0	33.1	49.7#
71	48.6	31.4	47.0#

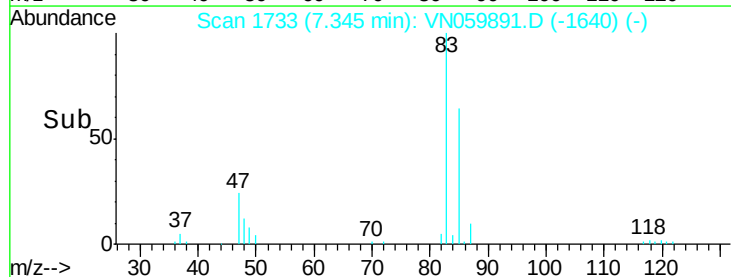
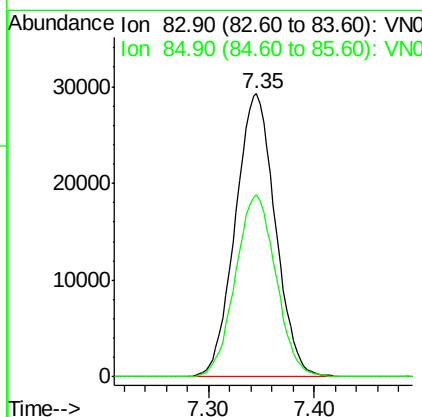
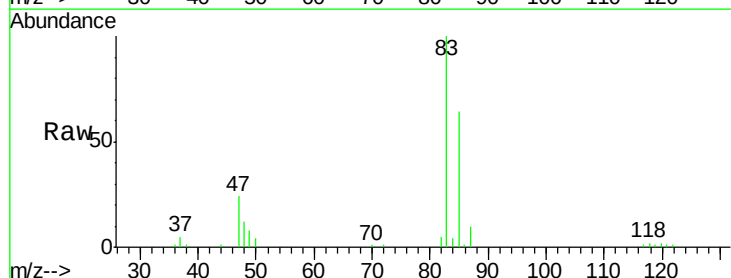
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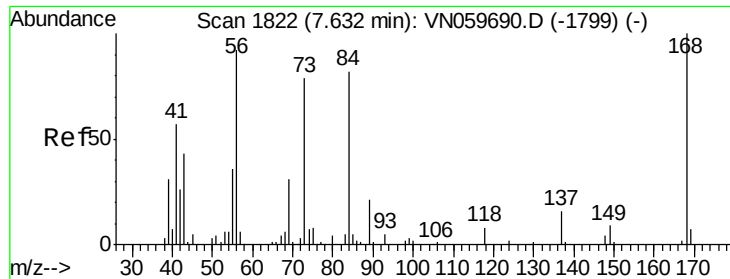
MMDadoda
1/29/2020 11:04:14 AM



#30
Chloroform
Concen: 21.662 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.4	78.6





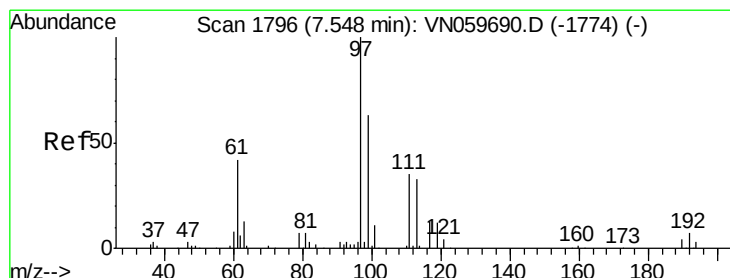
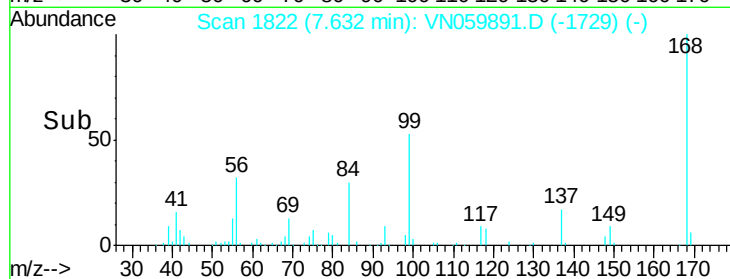
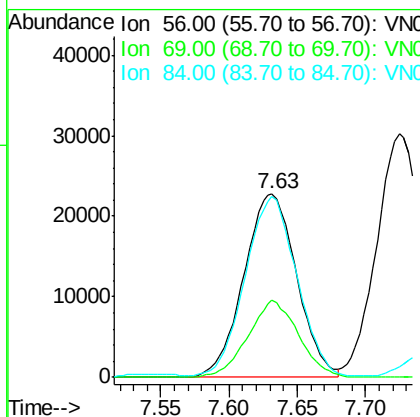
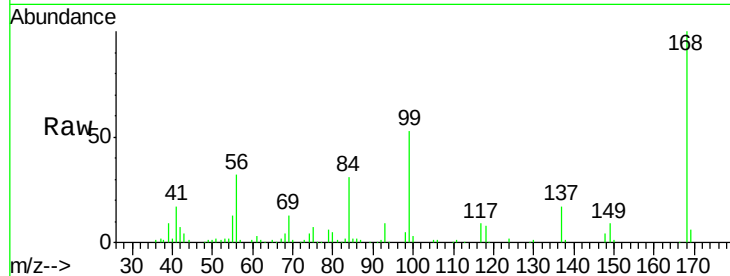
#31
Cyclohexane
Concen: 18.537 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.7	26.5	39.7#
84	97.3	65.3	97.9

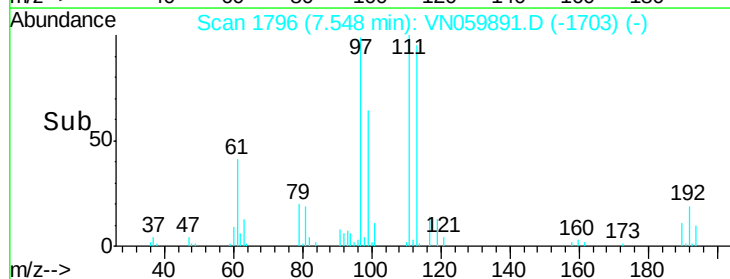
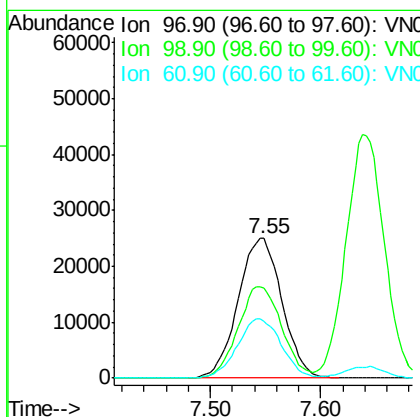
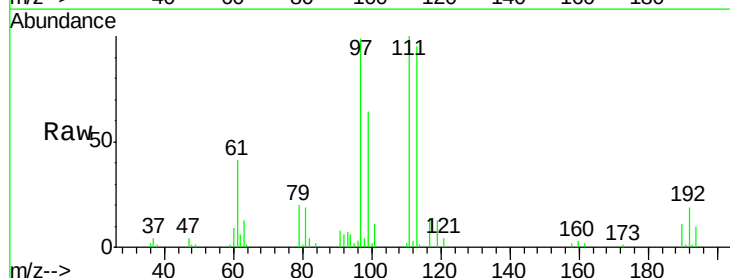
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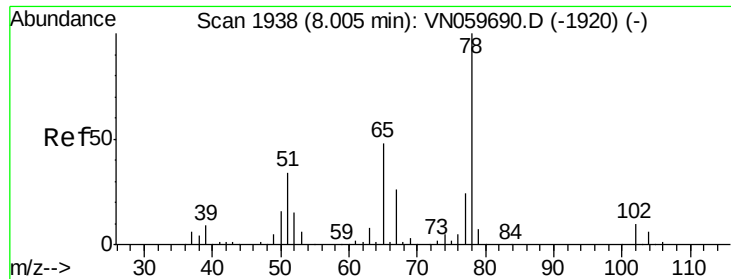
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.929 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.0	76.4
61	42.5	38.5	57.7





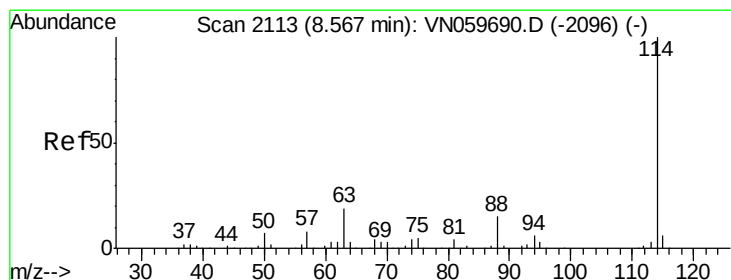
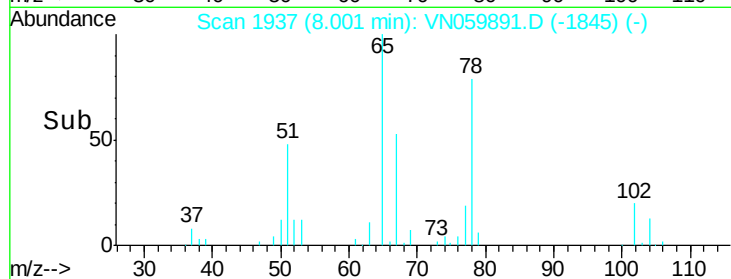
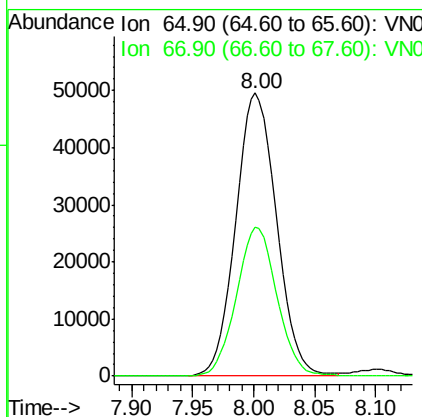
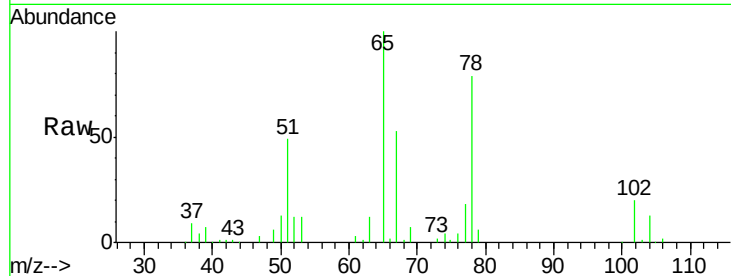
#33
 1,2-Dichloroethane-d4
 Concen: 51.382 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	103.0	

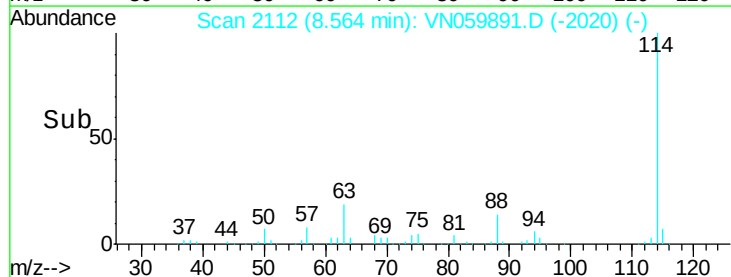
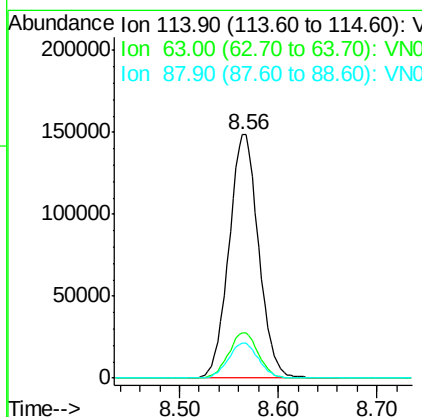
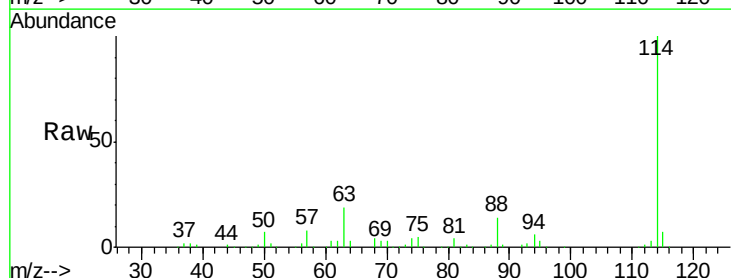
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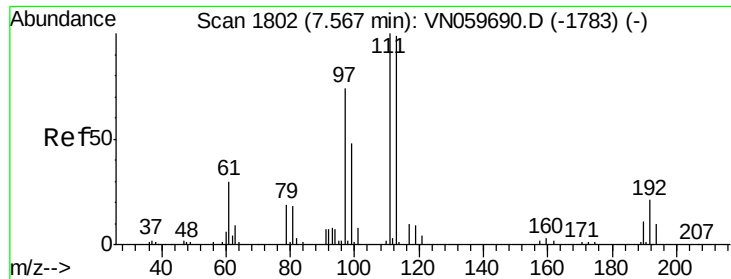
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	14.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 51.467 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

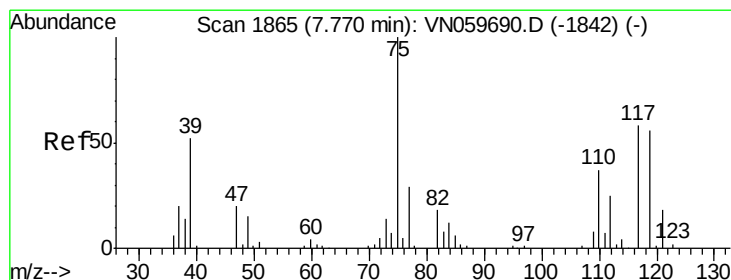
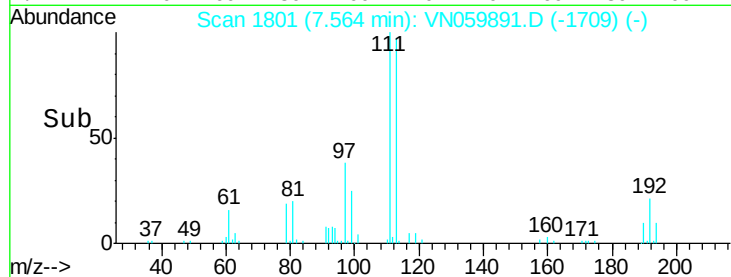
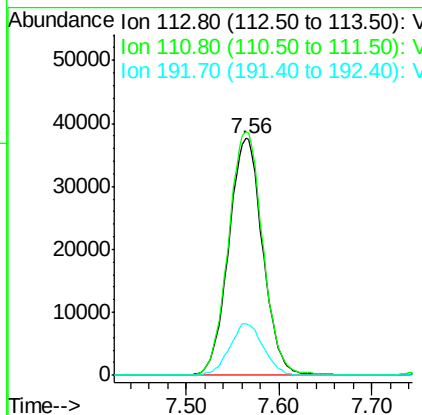
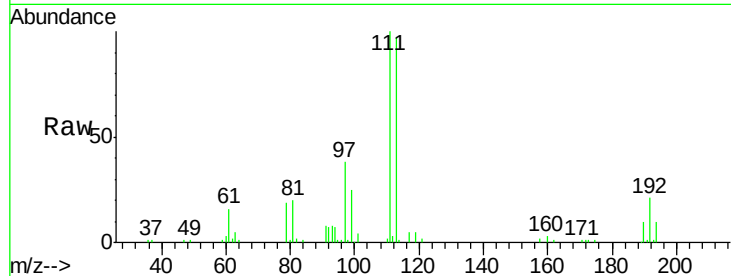
ClientSampled :

VN0128WBS01

Tot Ion:	113	Resp:	95577
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.5	125.3
192	21.6	15.4	23.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.085 ug/l

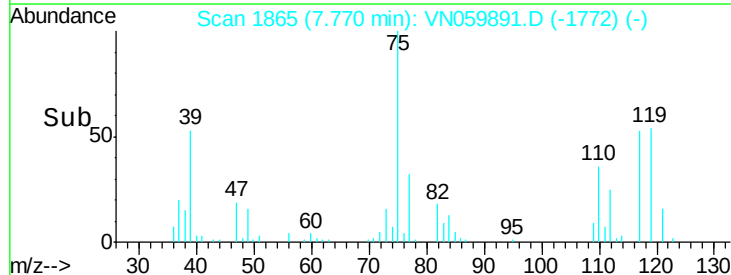
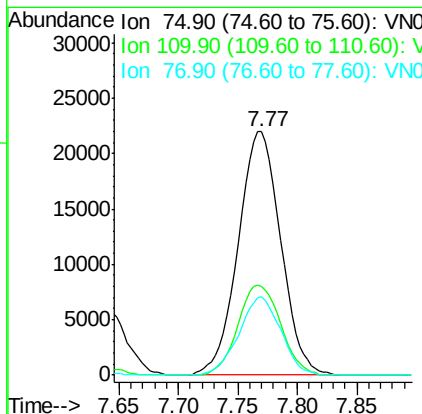
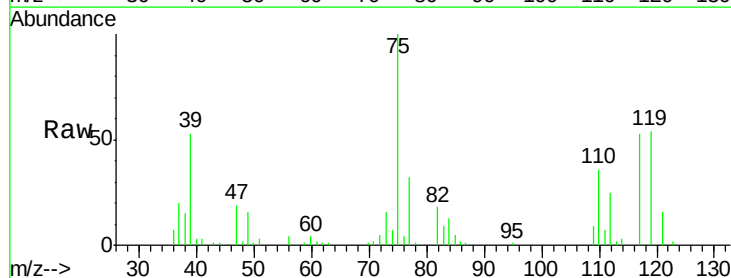
RT: 7.77 min Scan# 1865

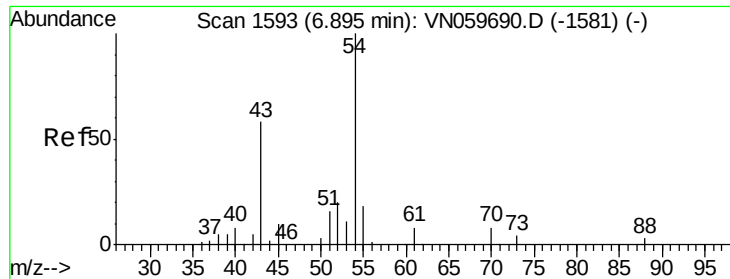
Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	75	Resp:	54468
Ion Ratio	Lower	Upper	
75	100		
110	37.0	16.6	49.7
77	31.3	25.1	37.7





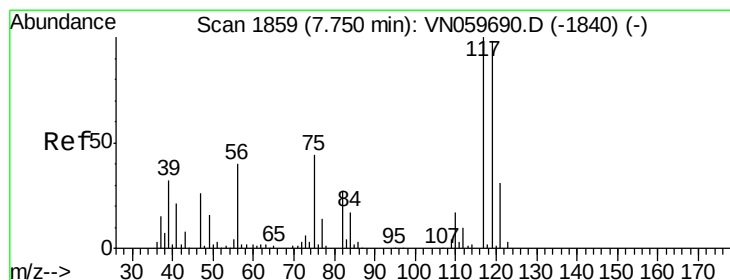
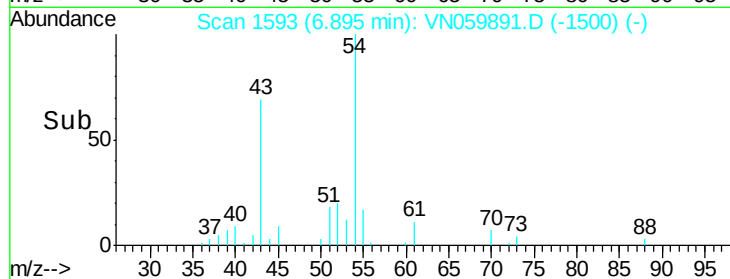
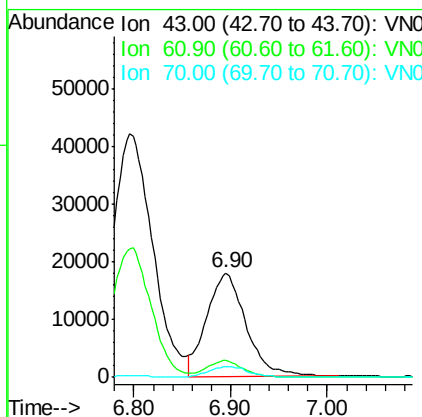
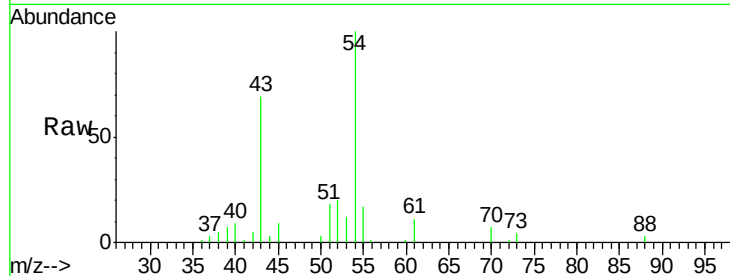
#37
Ethyl Acetate
Concen: 19.938 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion	43	61	70
Resp	50711	14.9	10.6
Lower		10.9	7.7
Upper		16.3	11.5

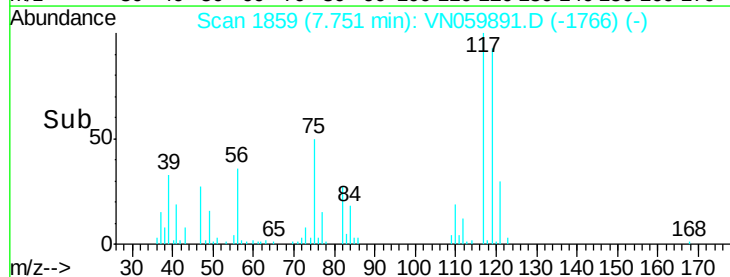
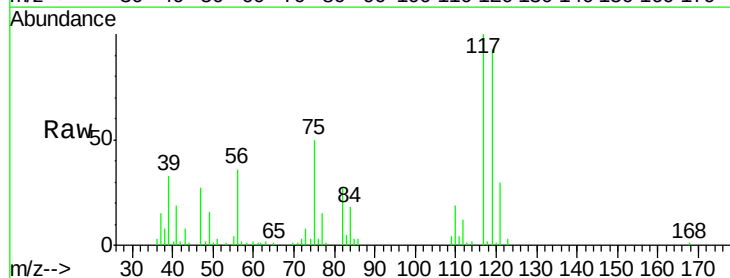
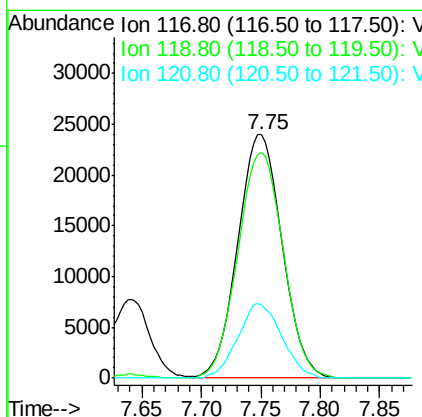
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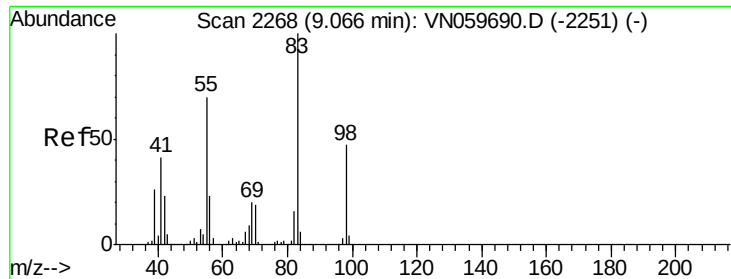
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#38
Carbon Tetrachloride
Concen: 21.012 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	117	119	121
Resp	61985	92.7	30.2
Lower		76.5	25.1
Upper		114.7	37.7





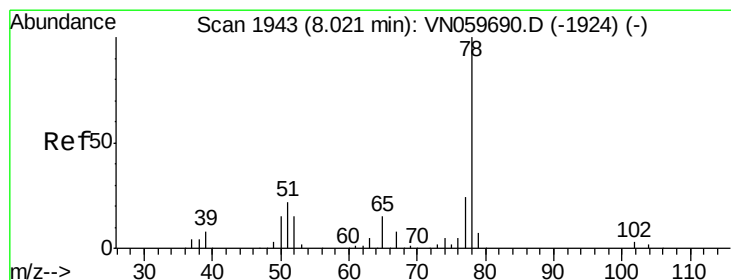
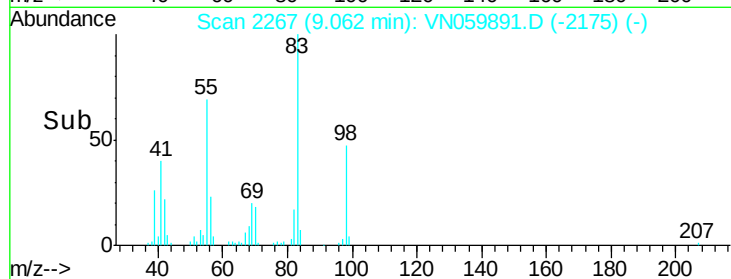
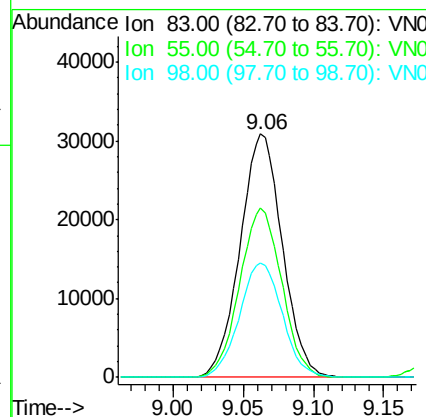
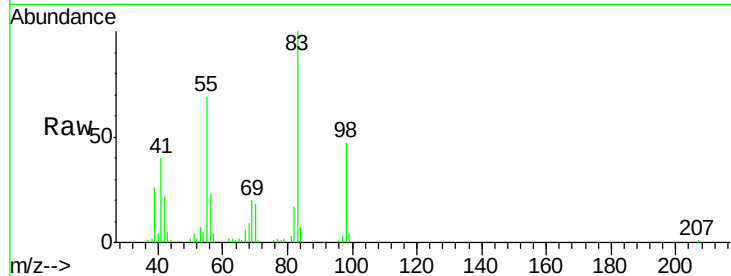
#39
Methylvlcyclohexane
Concen: 19.377 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	83	Resp	64793
Ion Ratio	Lower	Upper	
83	100		
55	69.3	64.2	96.2
98	47.0	35.9	53.9

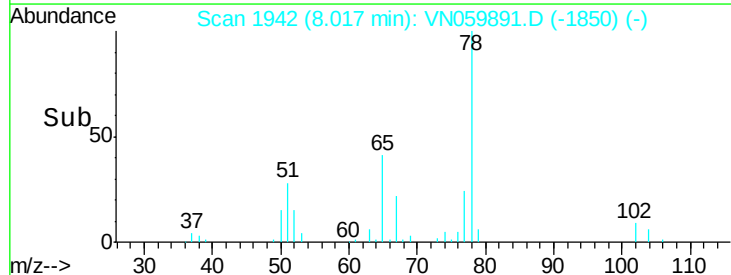
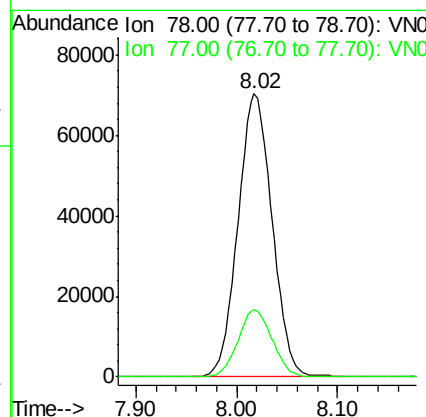
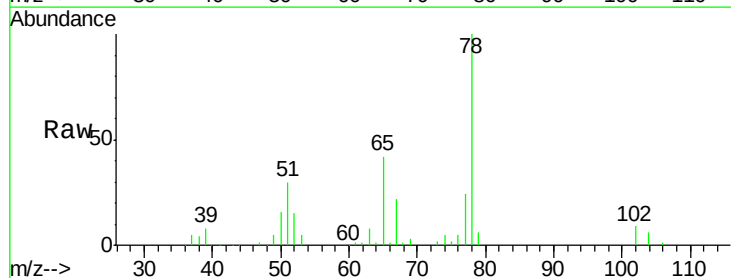
Manual Integrations
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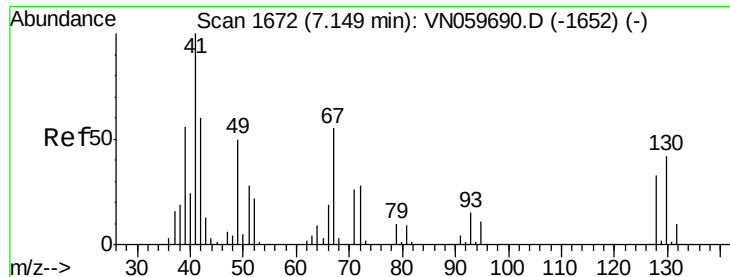
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#40
Benzene
Concen: 20.386 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	78	Resp	164872
Ion Ratio	Lower	Upper	
78	100		
77	23.9	18.9	28.3





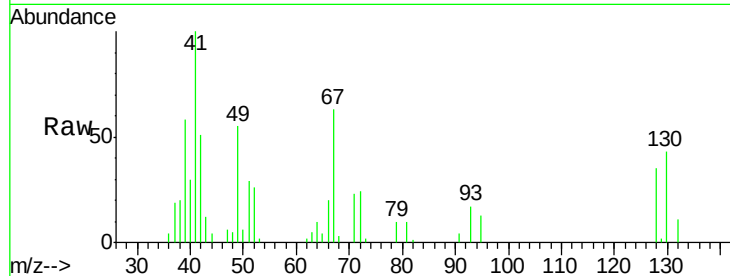
#41
Methacrylonitrile
Concen: 16.592 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	41	Resp	20786
Ion	Ratio	Lower	Upper
41	100		
39	187.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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1/29/2020 11:04:14 AM

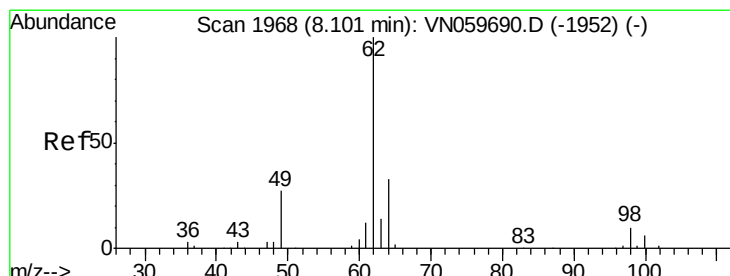
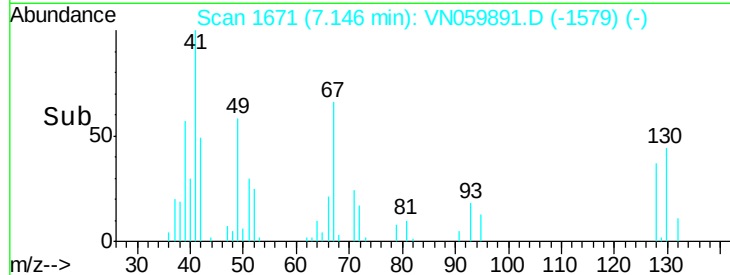
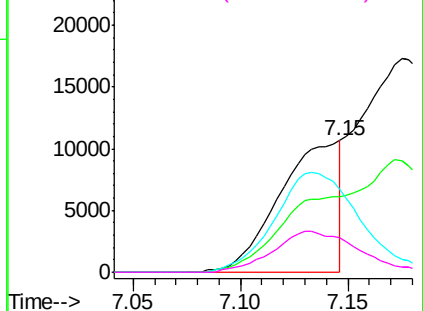


Abundance Ion 41.00 (40.70 to 41.70): VN059891.D (-1672) (-)

Ion 39.00 (38.70 to 39.70): VN059891.D (-1672) (-)

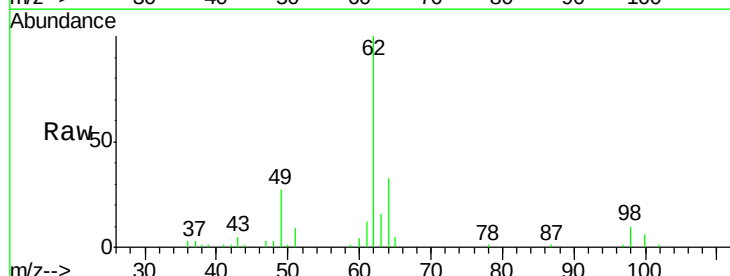
Ion 67.00 (66.70 to 67.70): VN059891.D (-1672) (-)

Ion 52.00 (51.70 to 52.70): VN059891.D (-1672) (-)



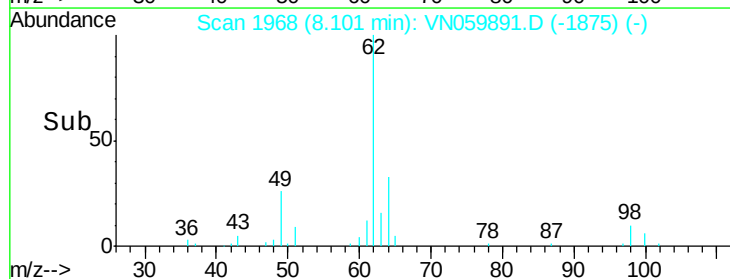
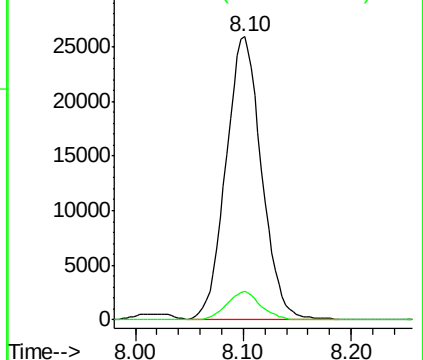
#42
1,2-Dichloroethane
Concen: 21.828 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

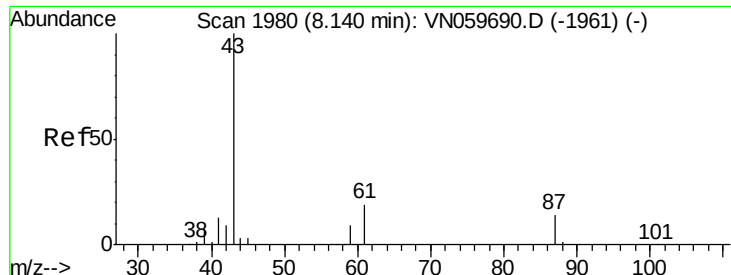
Tgt Ion	62	Resp	59857
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059891.D (-1968) (-)

Ion 97.90 (97.60 to 98.60): VN059891.D (-1968) (-)





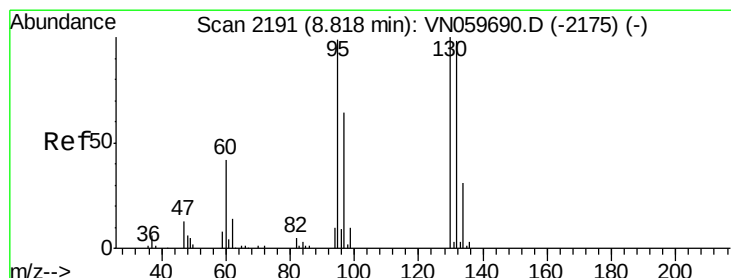
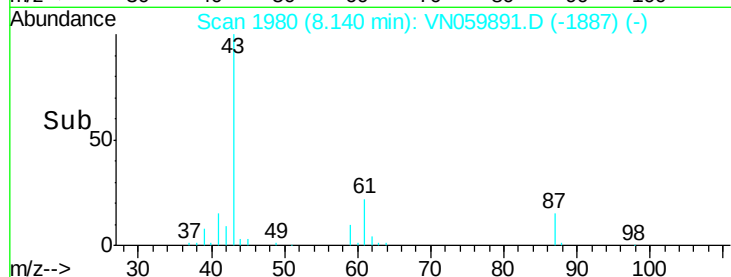
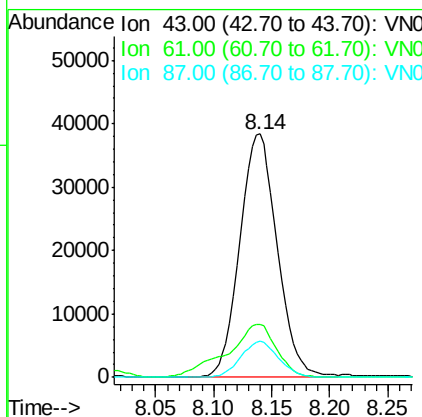
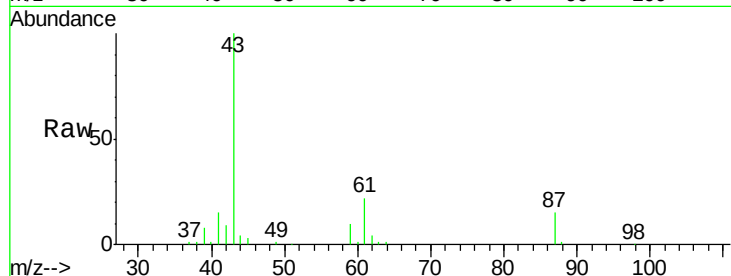
#43
Isopropyl Acetate
Concen: 19.757 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	20.2	30.2
87	14.8	9.5	14.3

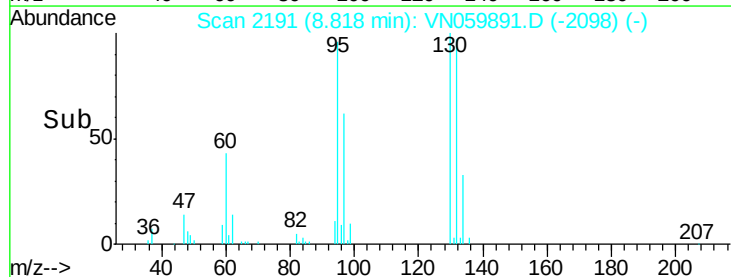
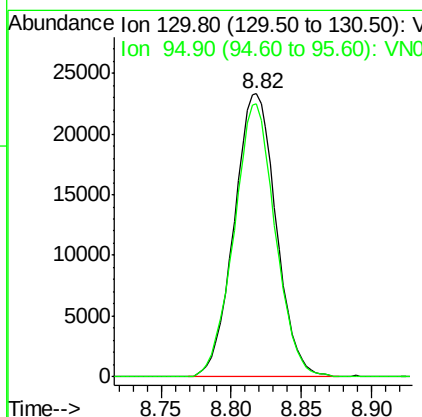
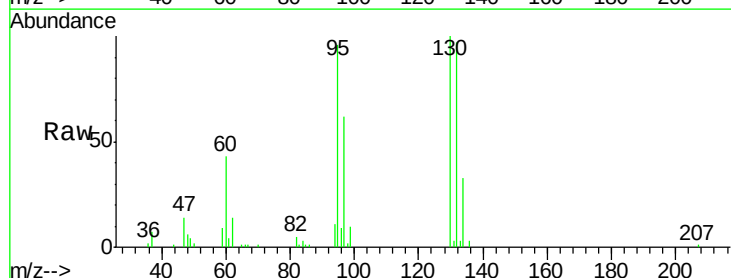
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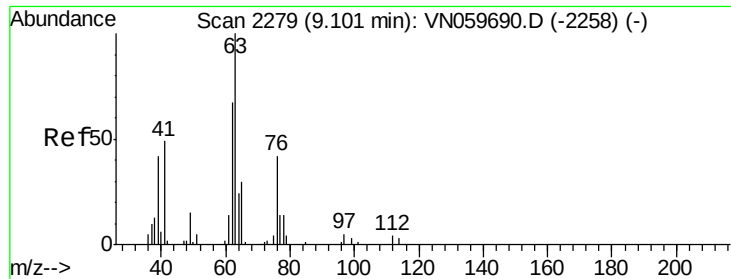
MMDadoda
1/29/2020 11:04:14 AM



#44
Trichloroethene
Concen: 21.978 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	207.0





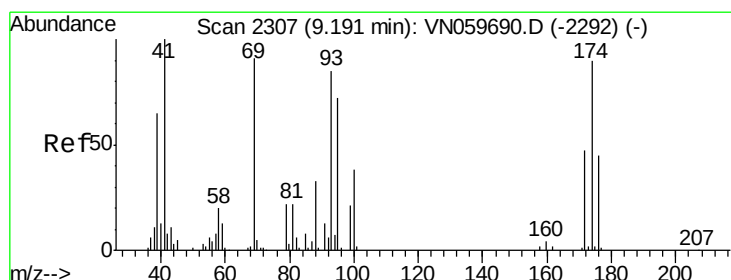
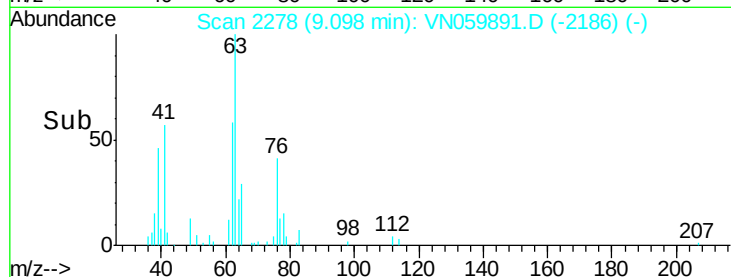
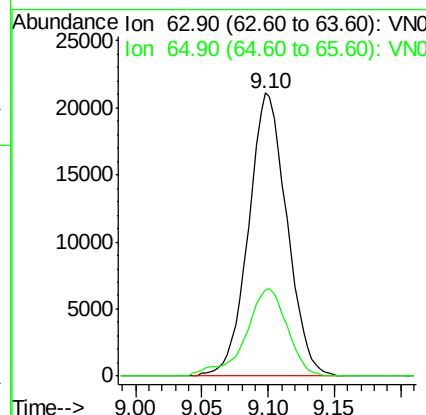
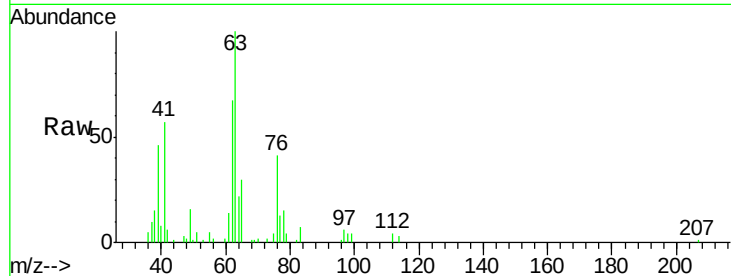
#45
1,2-Dichloropropane
Concen: 21.215 ug/l
RT: 9.10 min Scan# 2278
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	63	Resp	42458
Ion Ratio	100	Lower	Upper
63	100		
65	30.4	24.9	37.3

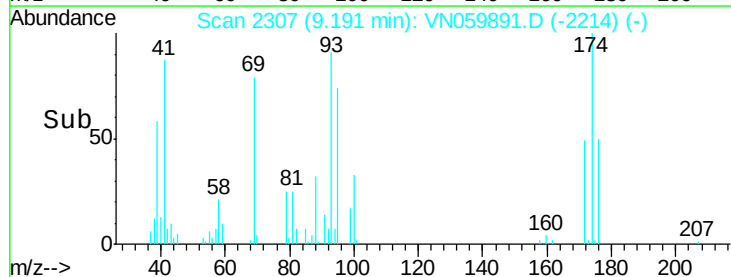
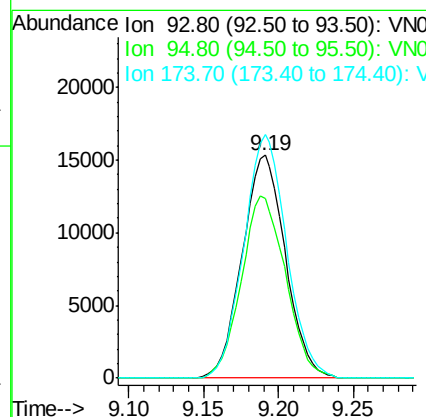
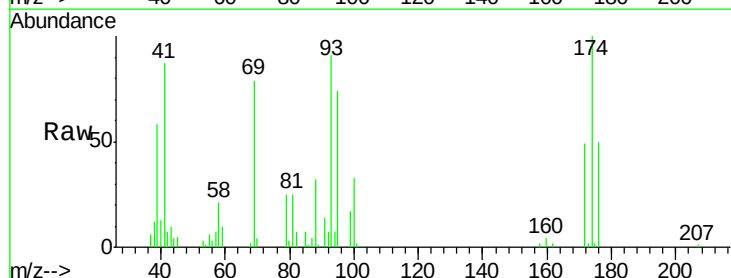
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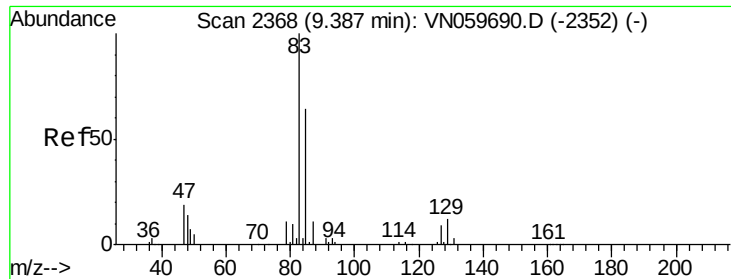
MMDadoda
1/29/2020 11:04:14 AM



#46
Dibromomethane
Concen: 21.880 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	93	Resp	30889
Ion Ratio	100	Lower	Upper
93	100		
95	83.4	67.0	100.6
174	108.0	73.4	110.2





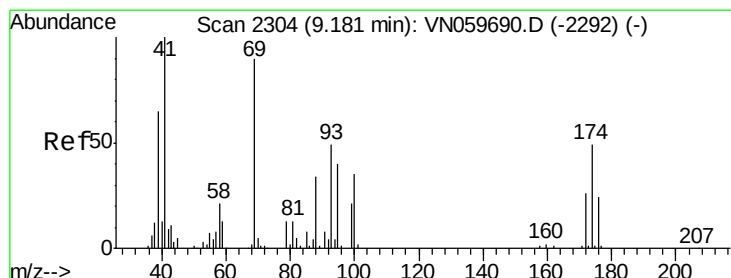
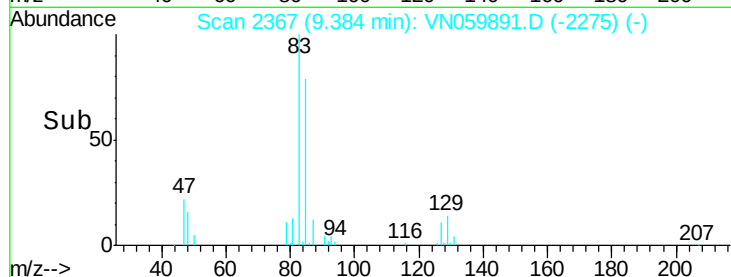
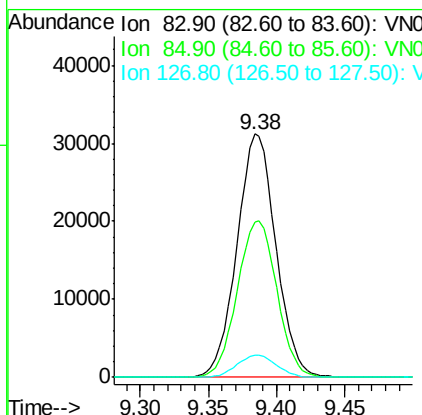
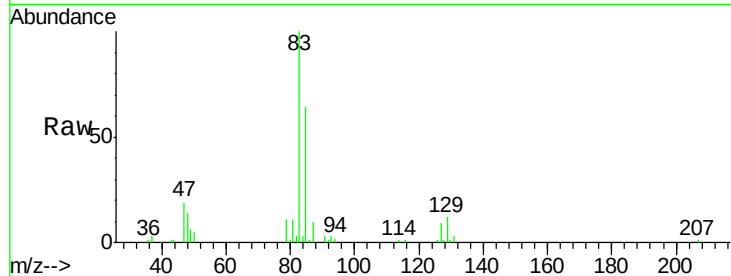
#47
Bromodichloromethane
Concen: 21.742 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.1	76.7
127	9.0	6.6	9.8

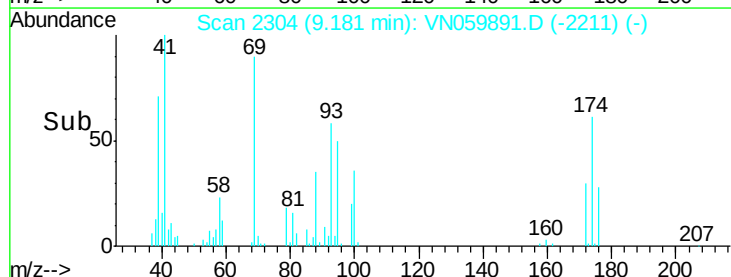
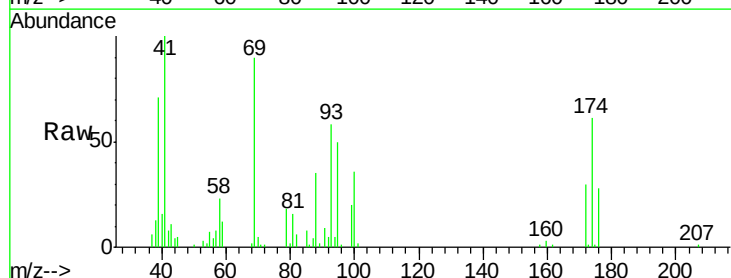
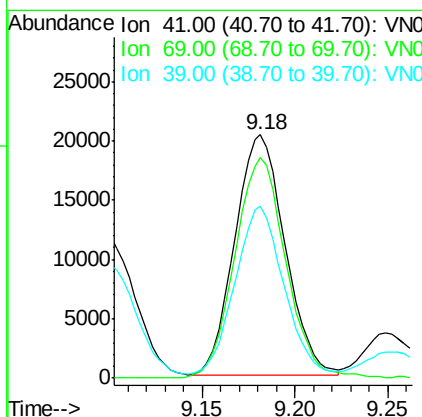
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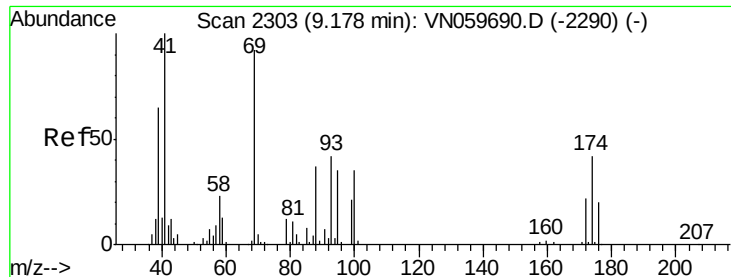
MMDadoda
1/29/2020 11:04:14 AM



#48
Methyl methacrylate
Concen: 19.430 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.7	64.4	96.6
39	71.0	51.3	76.9





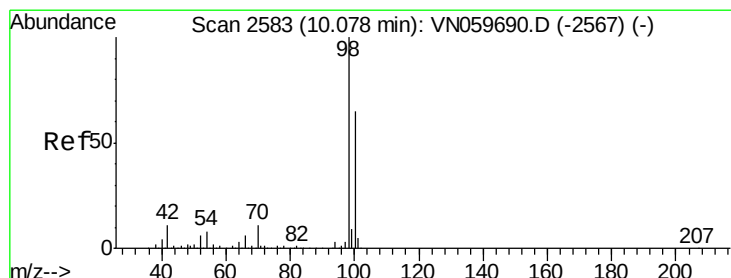
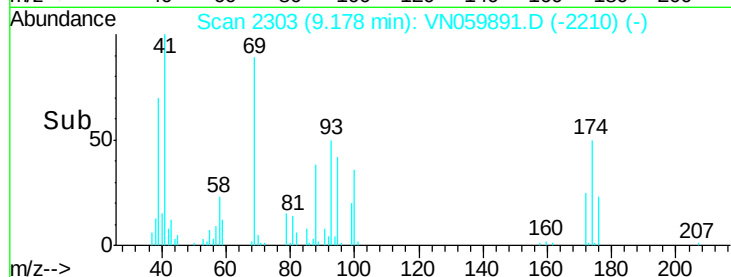
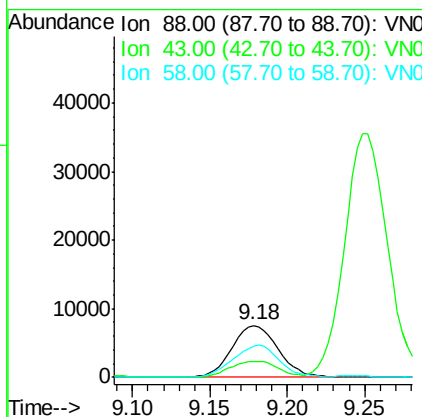
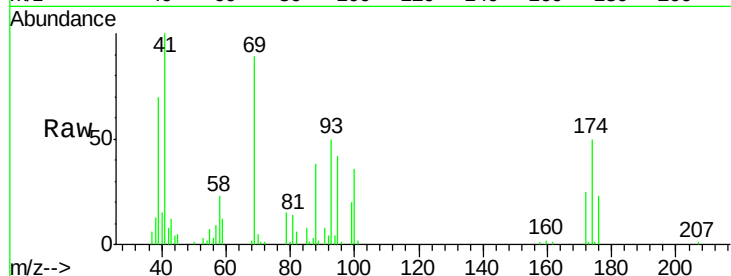
#49
1,4-Dioxane
Concen: 436.756 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	88	Resp	15646
Ion	Ratio	Lower	Upper
88	100		
43	32.6	29.7	44.5
58	62.1	56.6	85.0

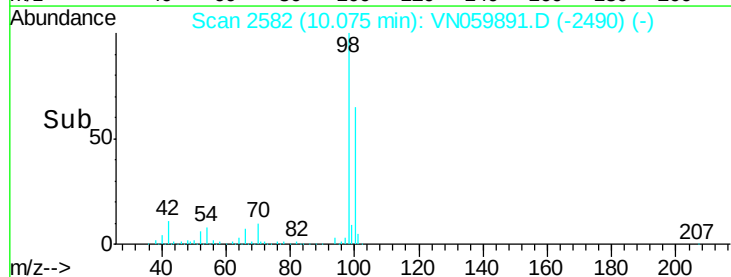
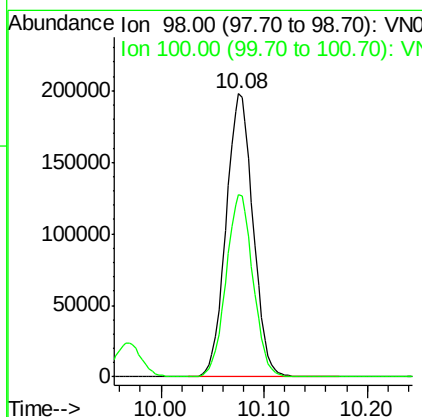
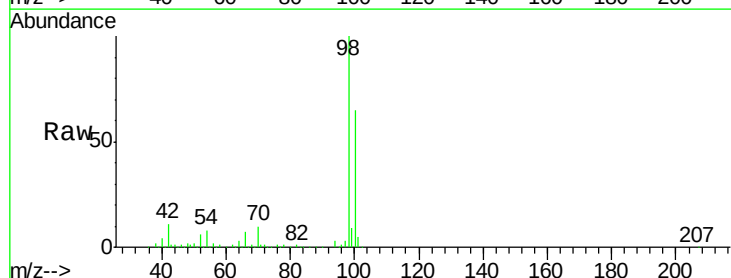
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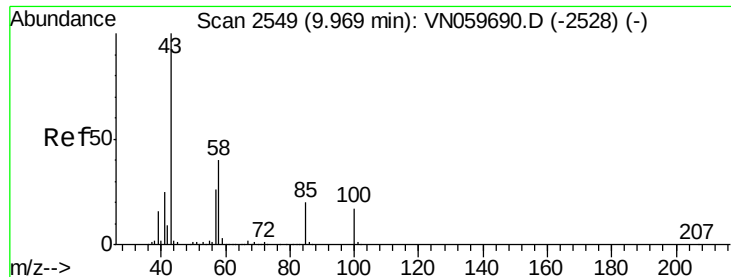
MMDadoda
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#50
Toluene-d8
Concen: 50.185 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	98	Resp	361088
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





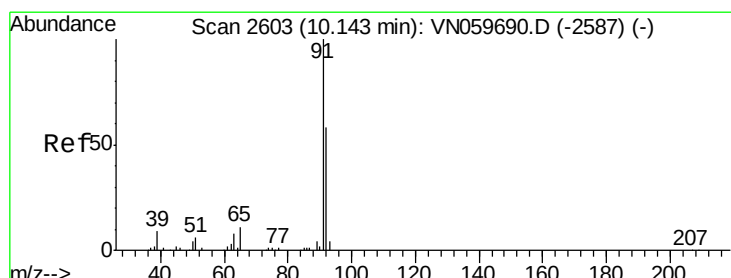
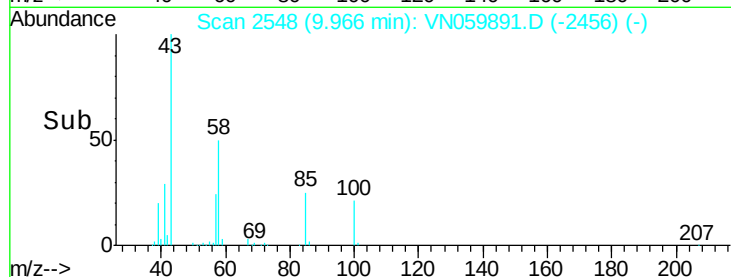
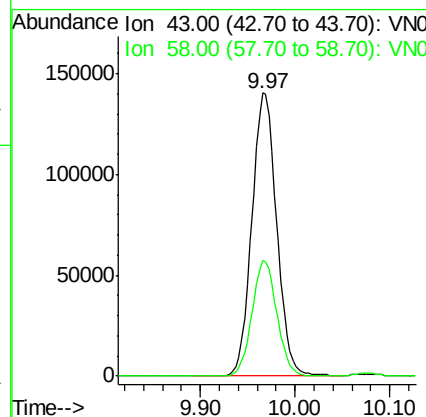
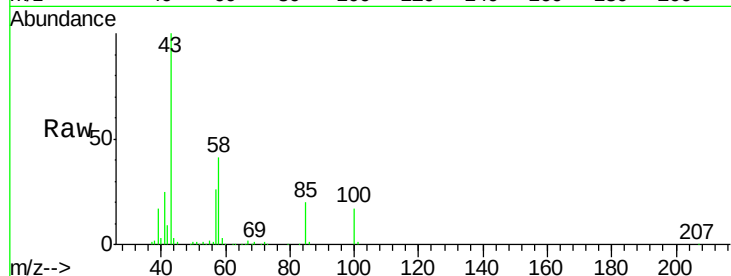
#51
4-Methyl-2-Pentanone
Concen: 101.315 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	29.8	44.8

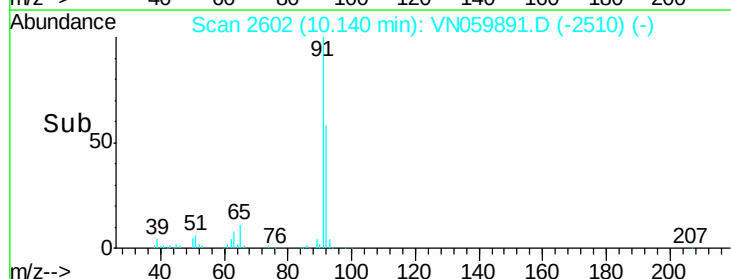
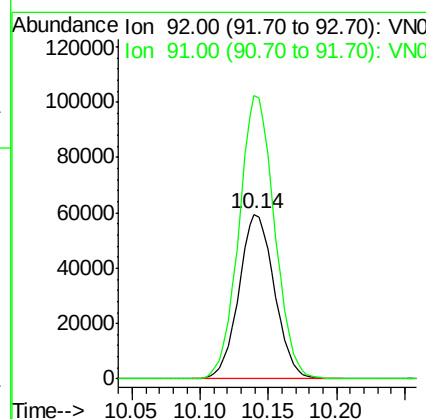
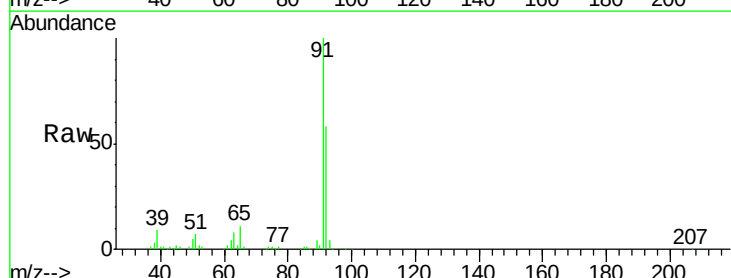
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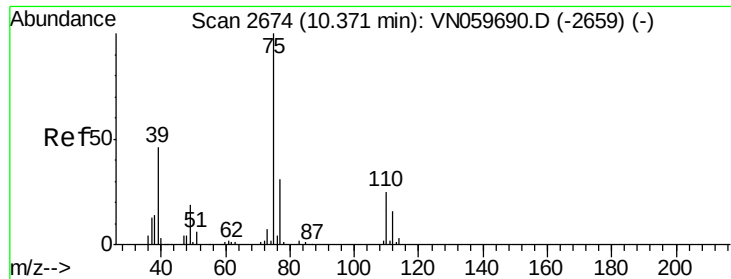
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#52
Toluene
Concen: 21.007 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.8	140.4	210.6





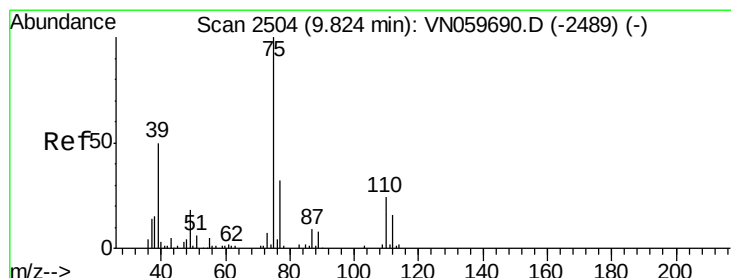
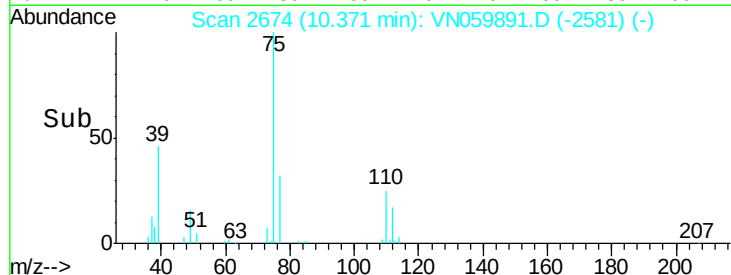
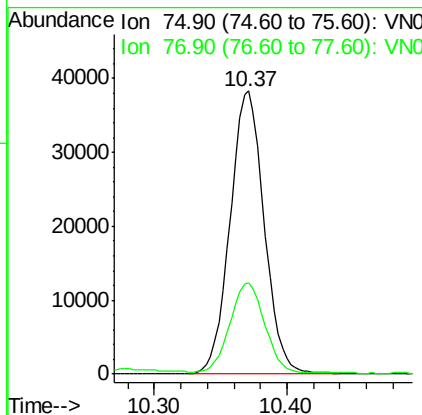
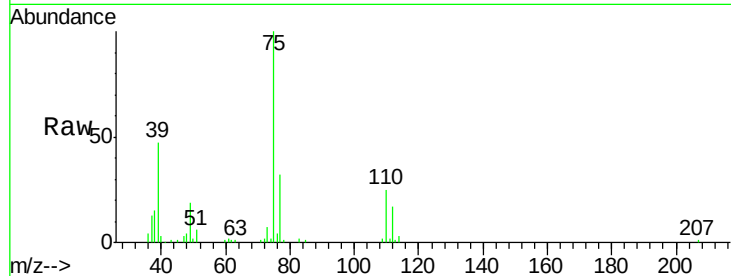
#53
t-1,3-Dichloropropene
Concen: 21.520 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 75 Resp: 68360
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

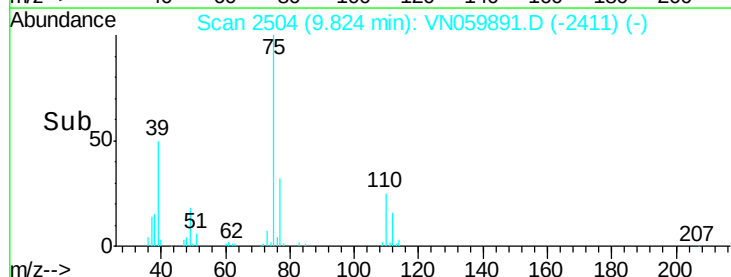
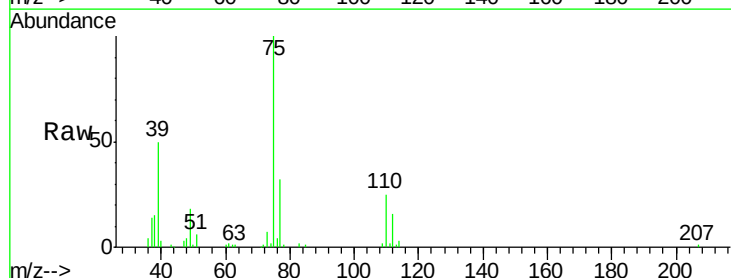
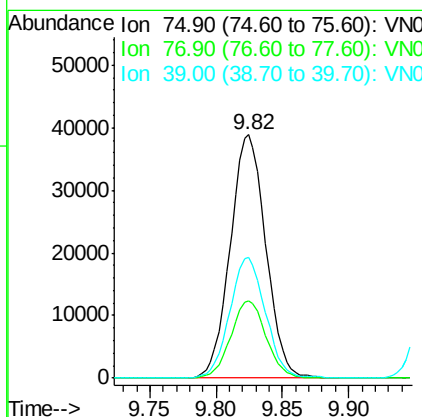
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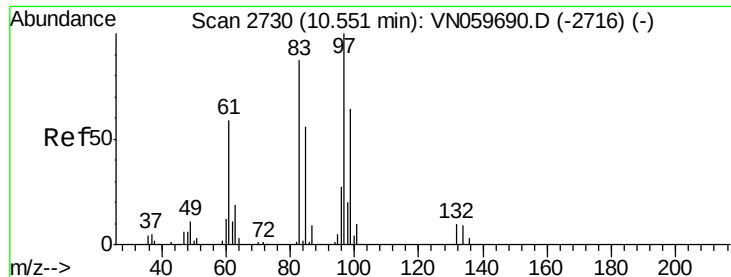
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#54
cis-1,3-Dichloropropene
Concen: 21.650 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion: 75 Resp: 72360
Ion Ratio Lower Upper
75 100
77 31.8 25.1 37.7
39 49.6 46.1 69.1





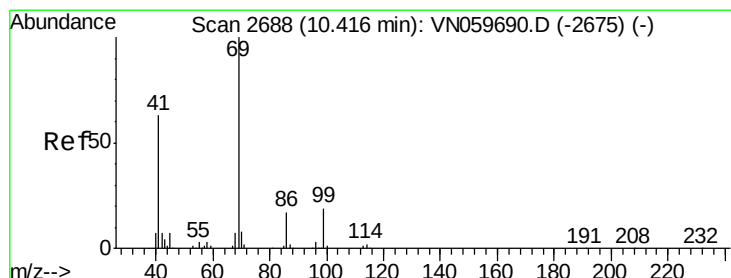
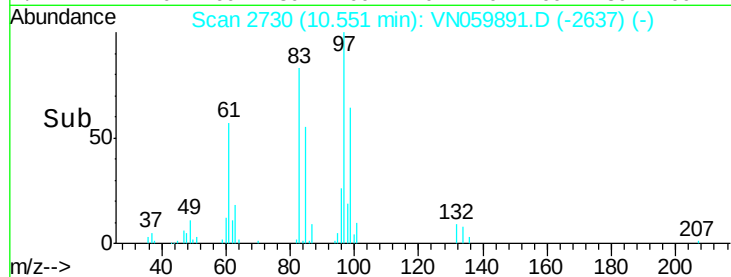
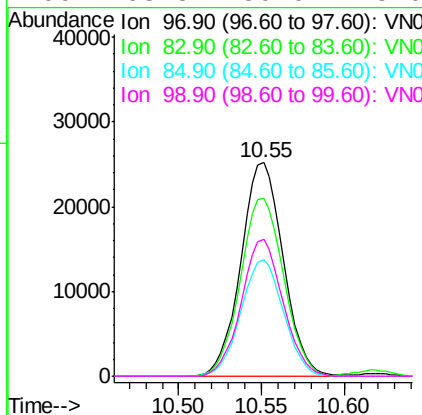
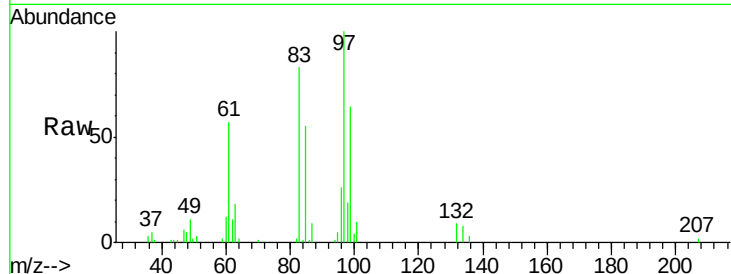
#55
 1,1,2-Trichloroethane
 Concen: 22.190 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion:	97	Resp:	44897
Ion	Ratio	Lower	Upper
97	100		
83	83.2	71.3	106.9
85	54.6	45.8	68.8
99	63.8	50.0	75.0

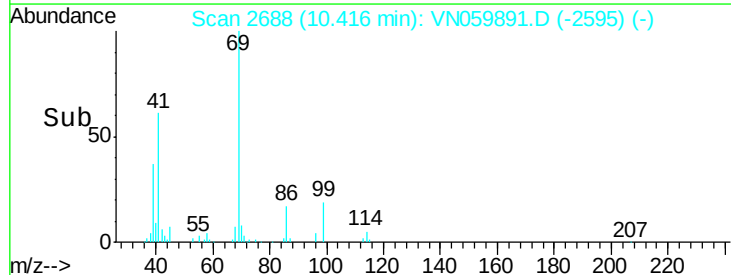
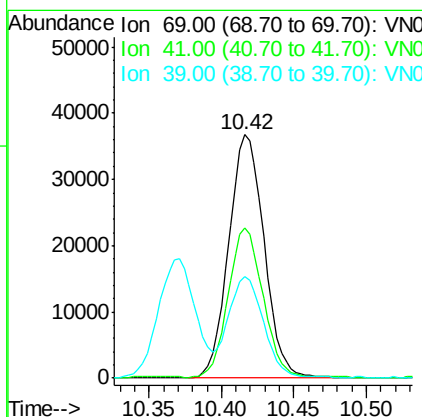
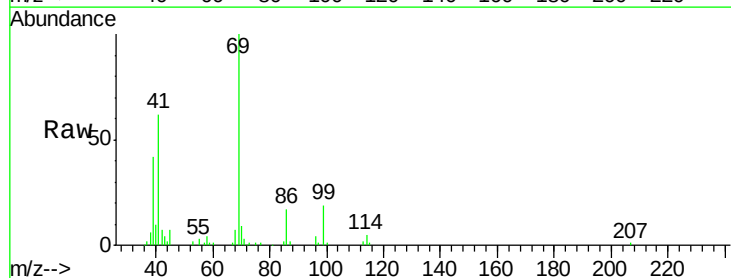
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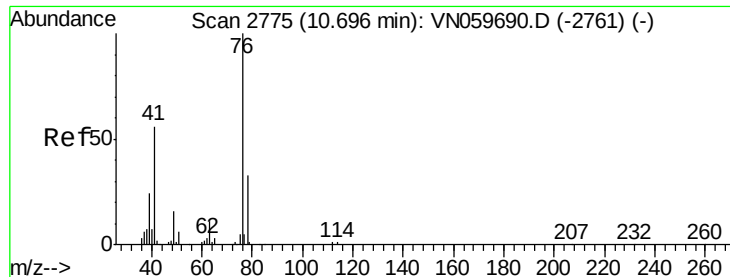
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#56
 Ethyl methacrylate
 Concen: 20.203 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion:	69	Resp:	62459
Ion	Ratio	Lower	Upper
69	100		
41	59.6	57.1	85.7
39	40.7	34.7	52.1





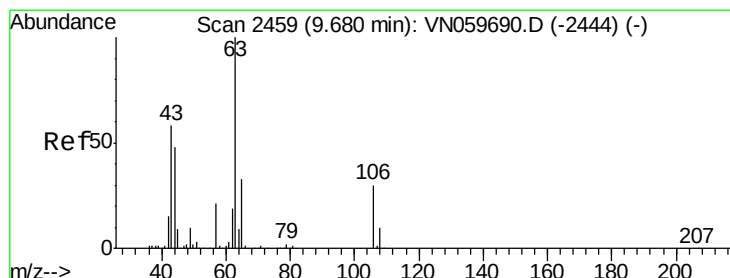
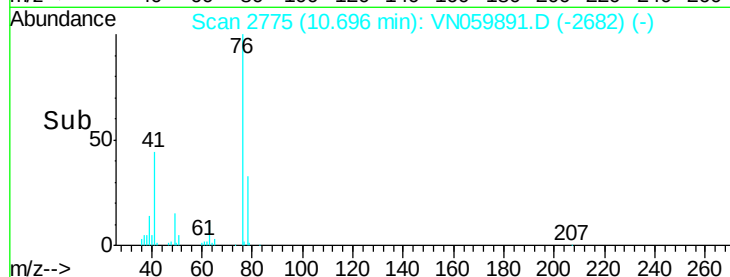
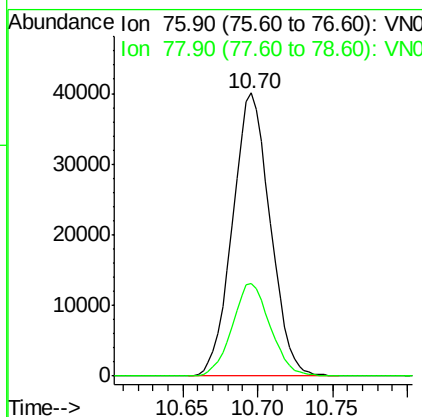
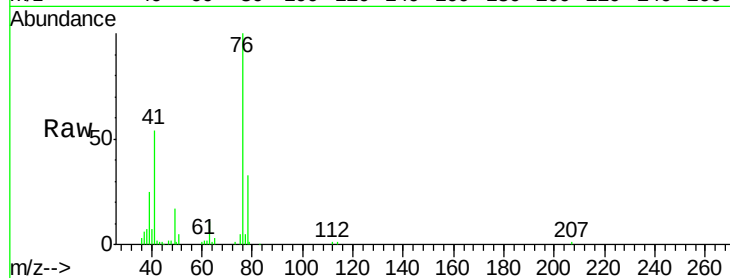
#57
 1,3-Dichloropropane
 Concen: 21.838 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion: 76 Resp: 70149
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8

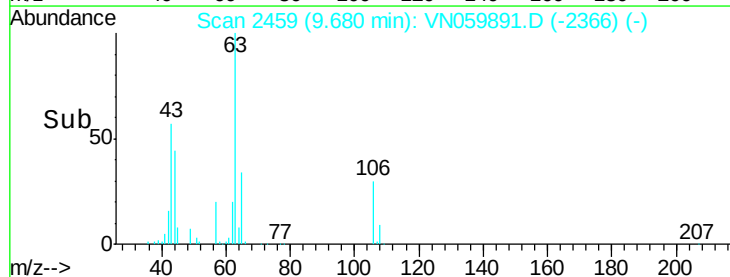
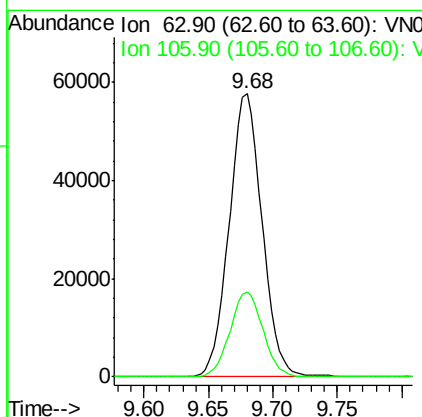
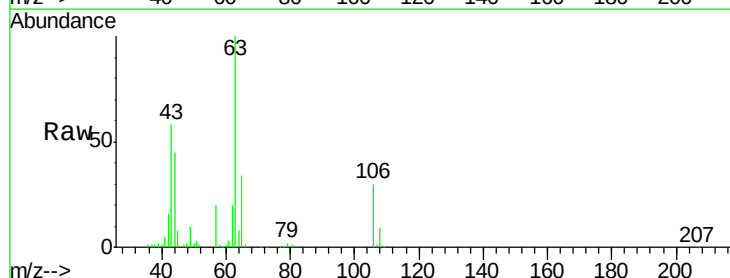
Manual Integrations
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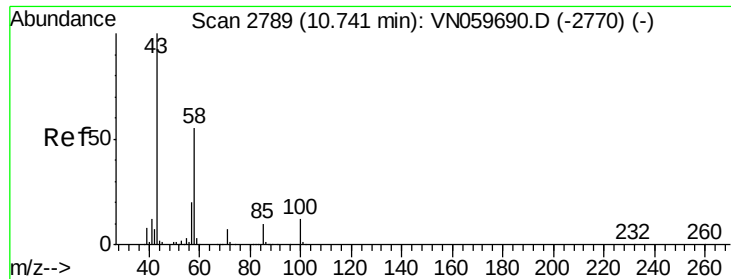
MMDadoda
 1/29/2020 11:04:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.787 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion: 63 Resp: 102233
 Ion Ratio Lower Upper
 63 100
 106 30.1 20.2 30.2





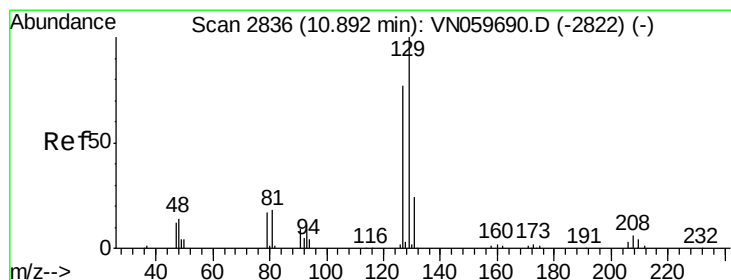
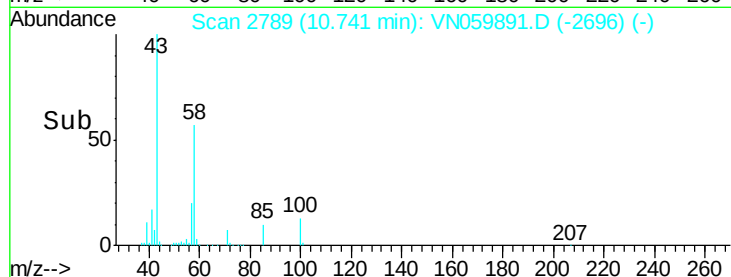
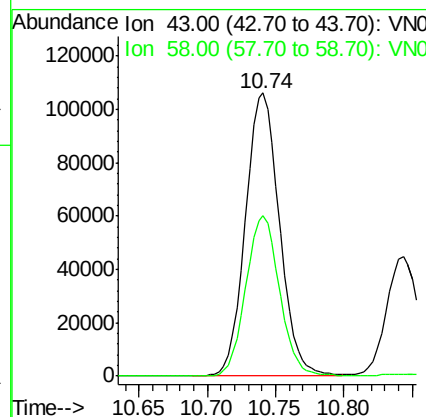
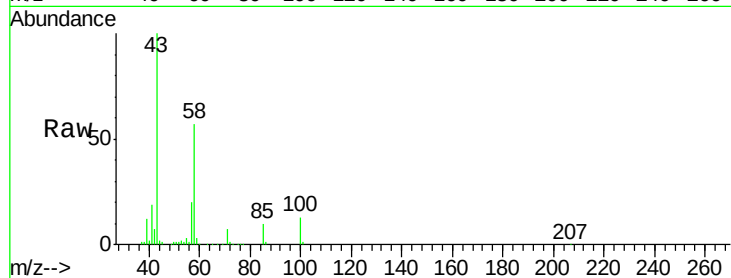
#59
2-Hexanone
Concen: 98.423 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	43	Resp	183373
Ion Ratio	43	100	
Lower	58	56.4	25.8
Upper			77.3

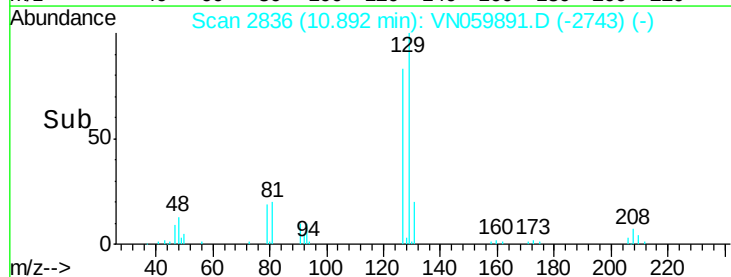
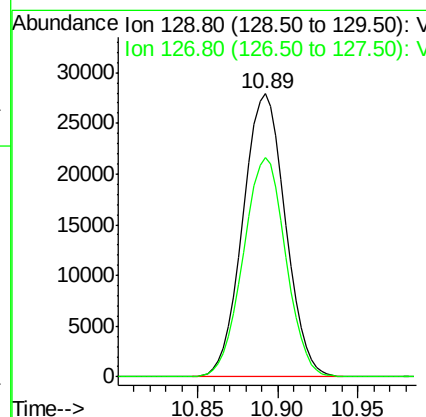
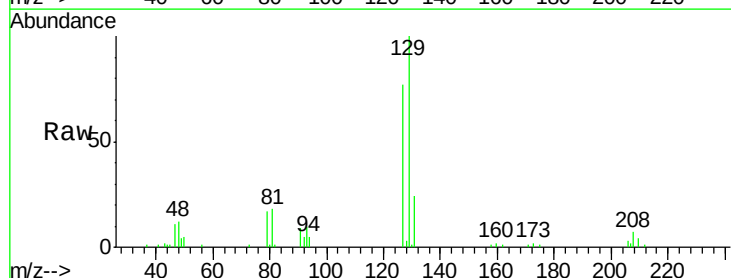
Manual Integrations
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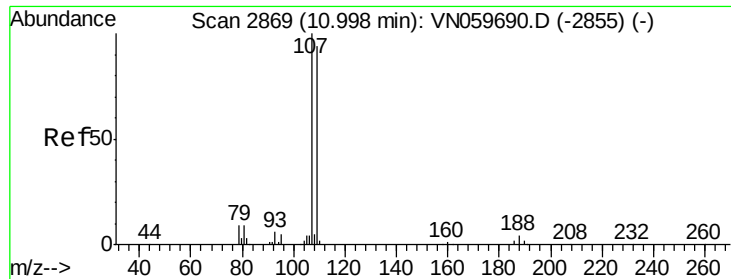
MMDadoda
1/29/2020 11:04:14 AM



#60
Dibromochloromethane
Concen: 21.989 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	129	Resp	50663
Ion Ratio	129	100	
Lower	127	77.5	38.5
Upper			115.5





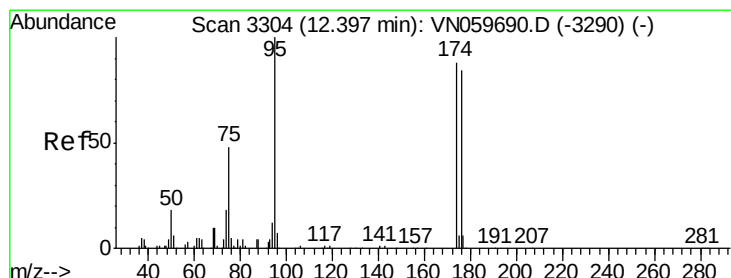
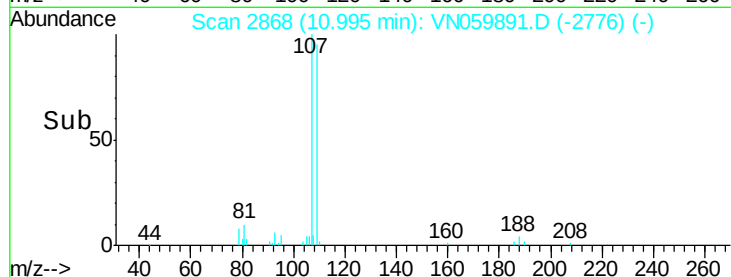
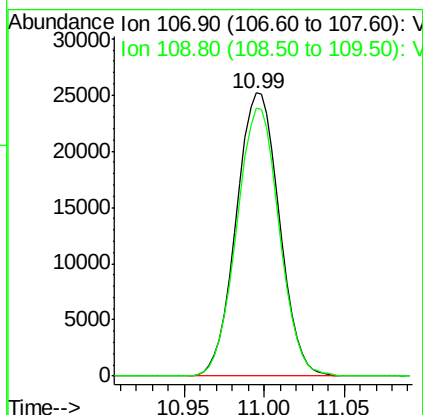
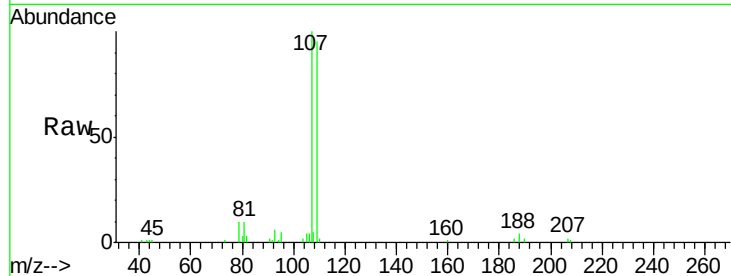
#61
1,2-Dibromoethane
Concen: 21.791 ug/l
RT: 10.99 min Scan# 2868
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.6	115.0

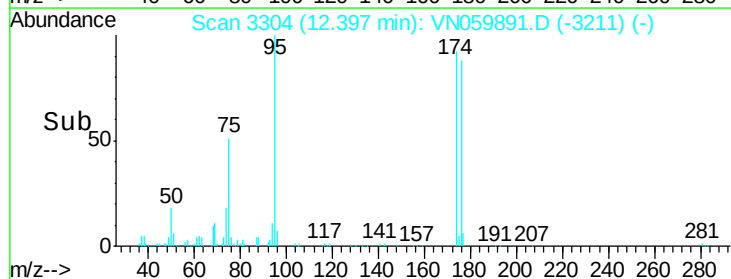
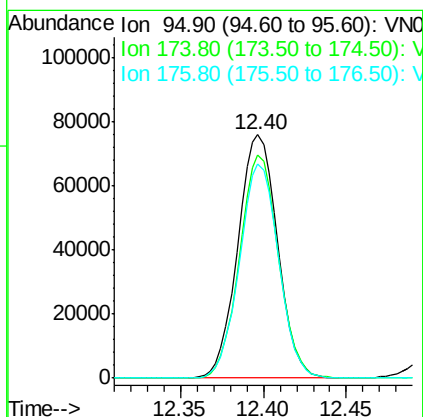
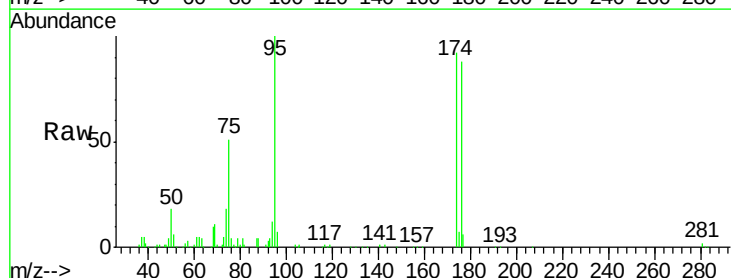
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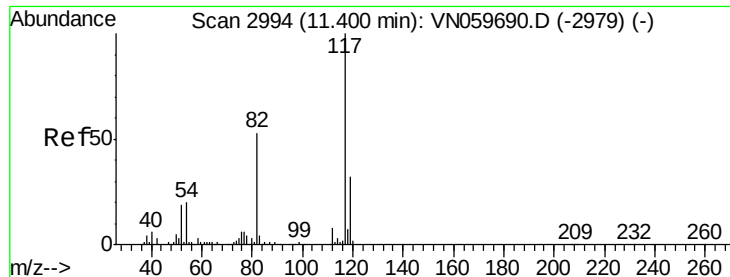
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 48.787 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	151.4
176	86.5	0.0	146.0





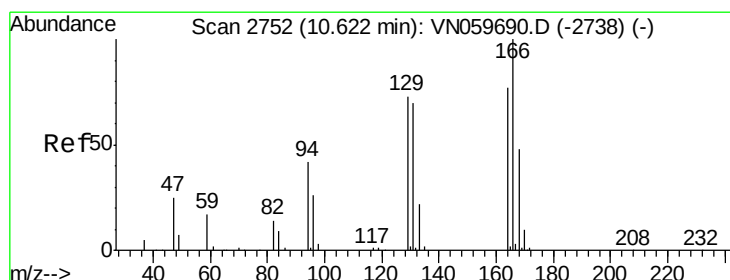
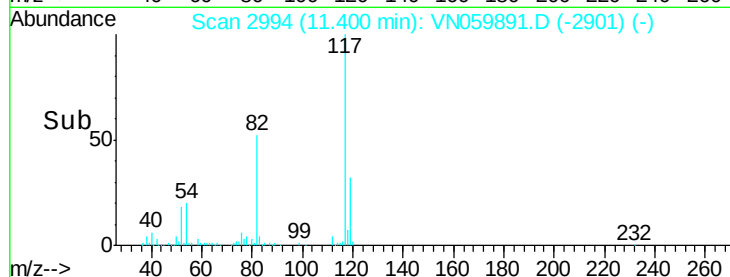
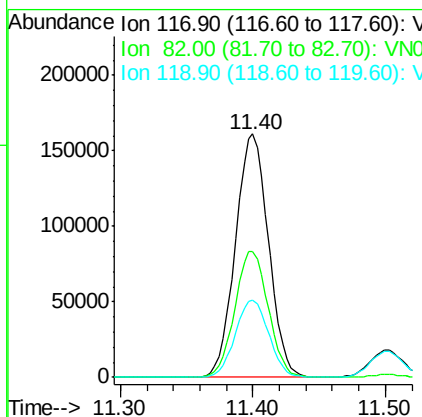
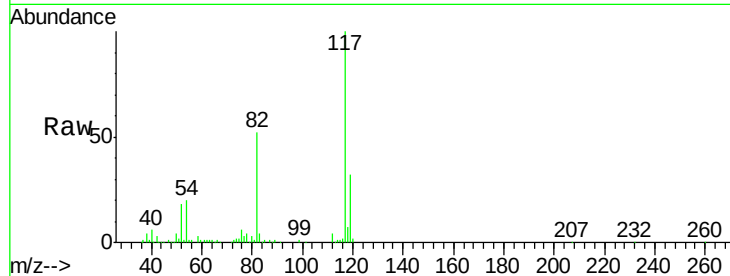
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.9	68.9
119	31.8	25.5	38.3

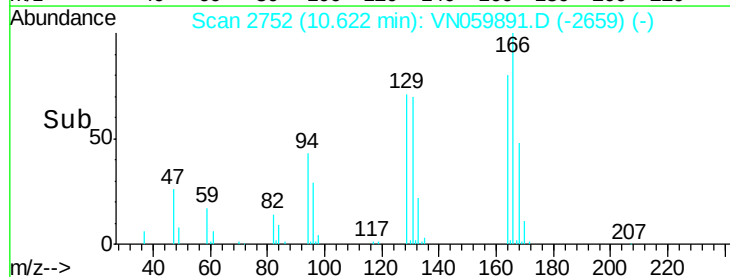
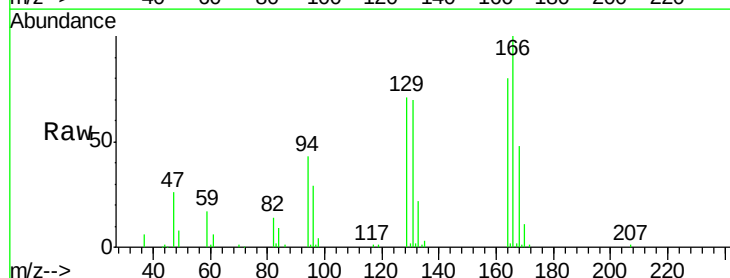
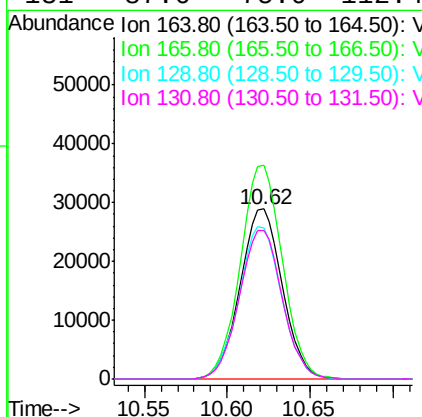
Manual Integrations
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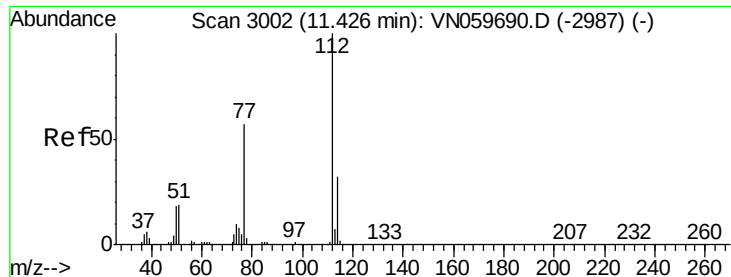
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#64
Tetrachloroethene
Concen: 22.537 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	101.4	152.0
129	88.9	80.2	120.4
131	87.6	75.0	112.4





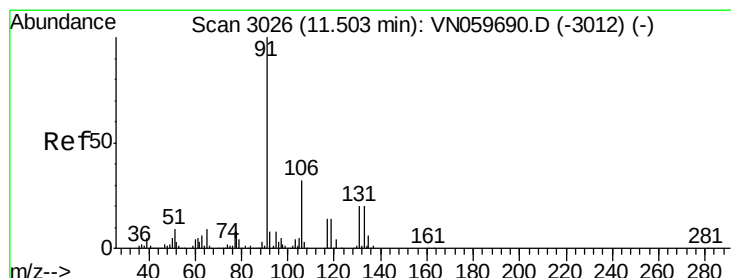
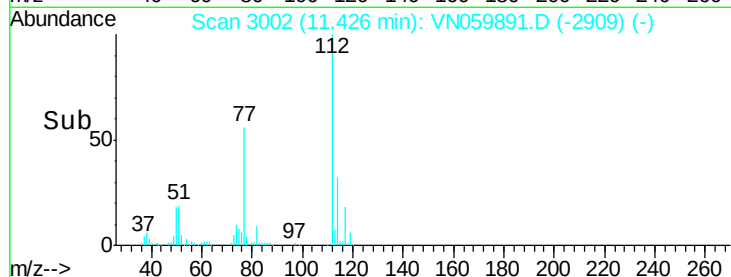
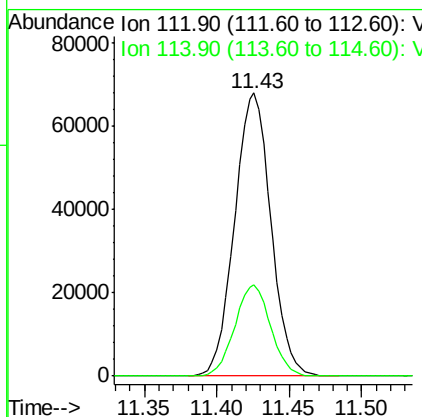
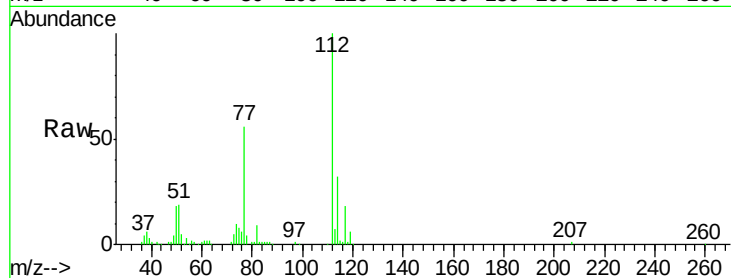
#65
Chlorobenzene
Concen: 21.567 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

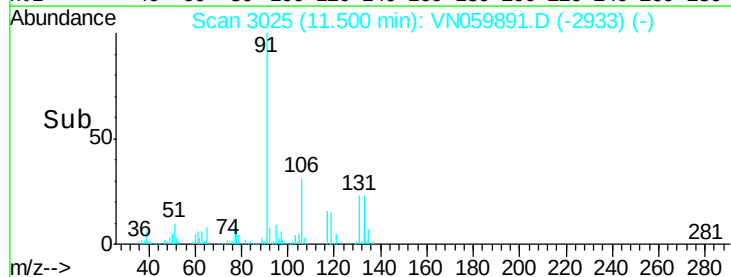
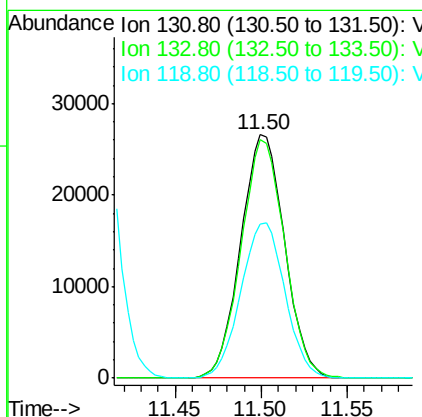
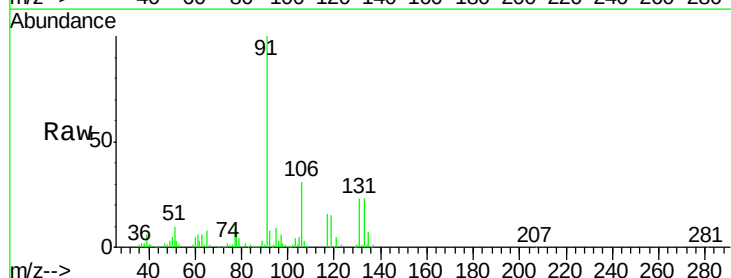
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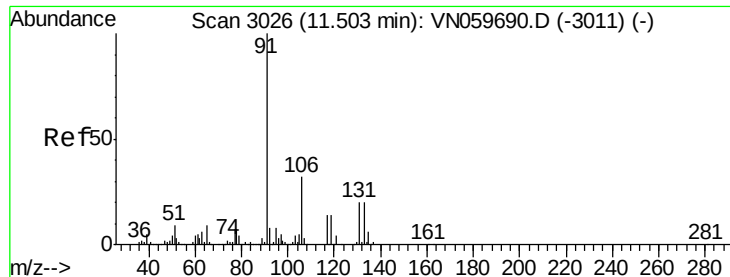
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.189 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.4	142.2
119	64.1	33.1	99.3





#67

Ethyl Benzene

Concen: 20.925 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

Tot Ion: 91 Resp: 208220

Ion Ratio Lower Upper

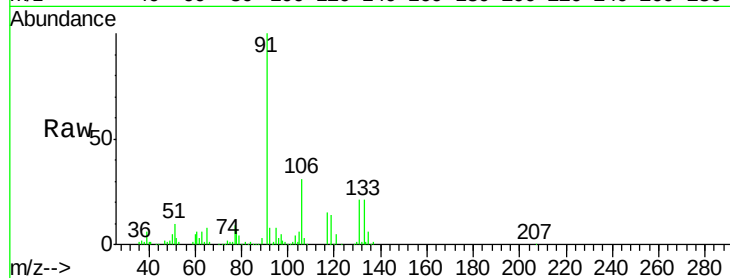
91 100

106 31.1 24.1 36.1

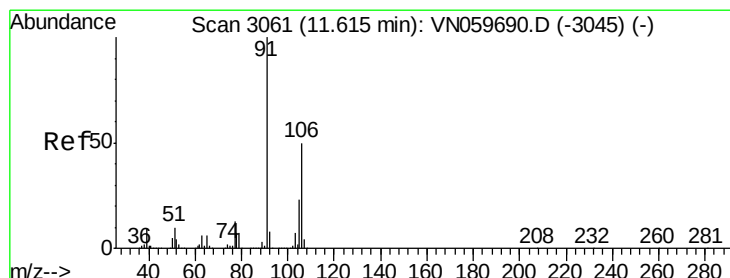
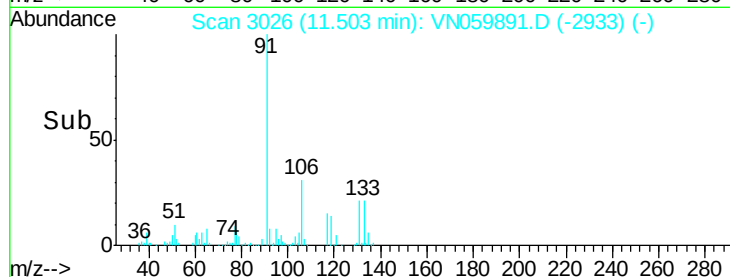
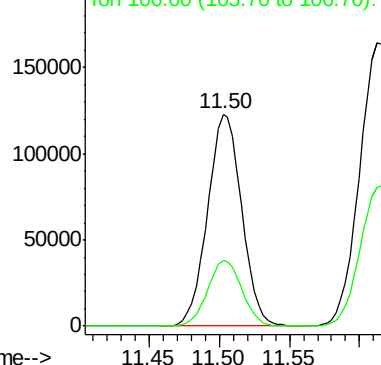
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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)



#68

m/p-Xylenes

Concen: 41.654 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059891.D

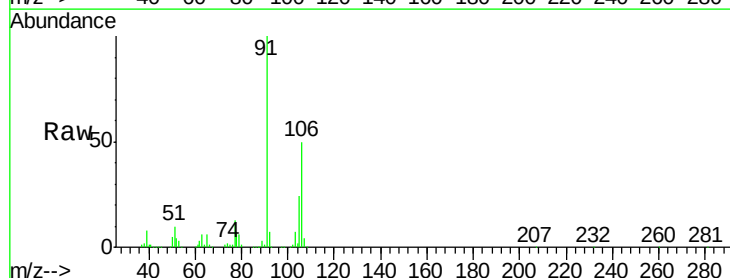
Acq: 28 Jan 2020 12:36

Tgt Ion: 106 Resp: 156571

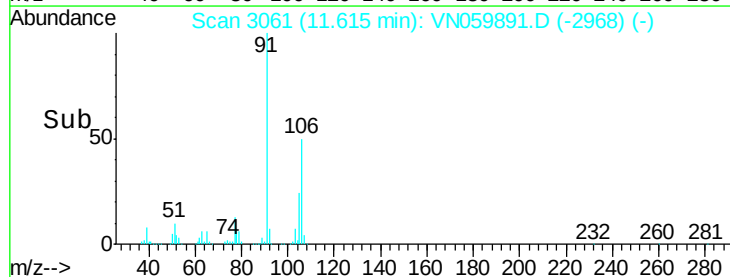
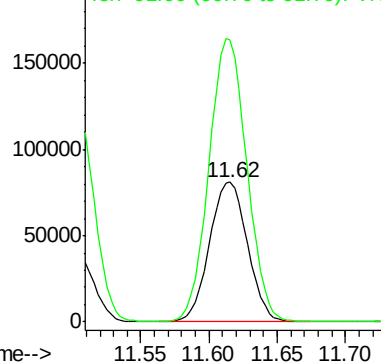
Ion Ratio Lower Upper

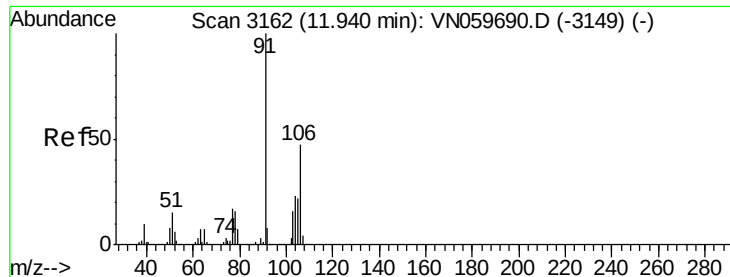
106 100

91 201.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)





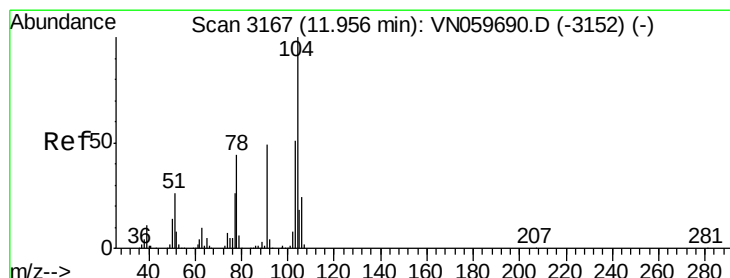
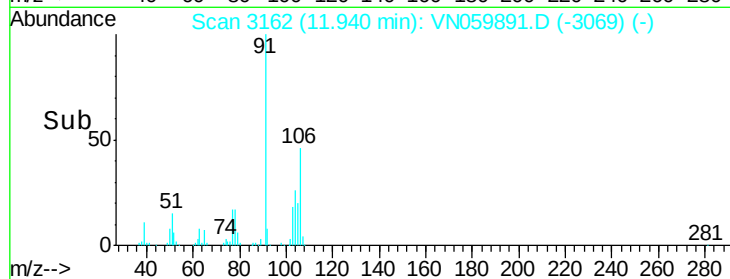
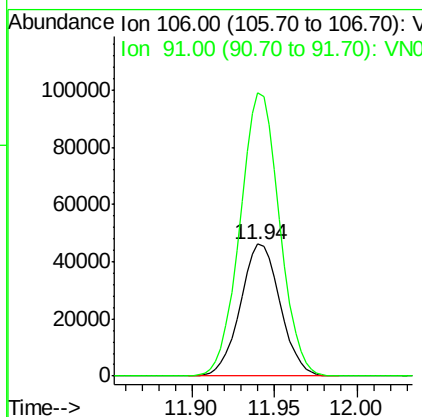
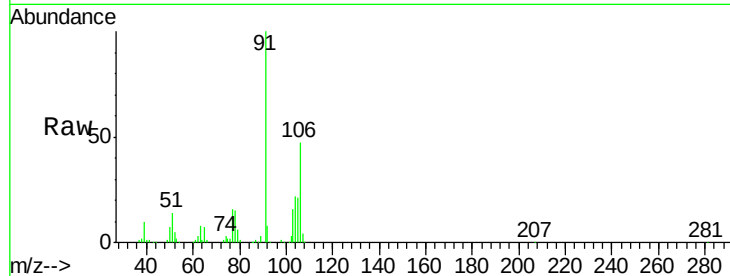
#69
o-Xylene
Concen: 20.954 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion:106 Resp: 77108
Ion Ratio Lower Upper
106 100
91 212.3 110.3 330.9

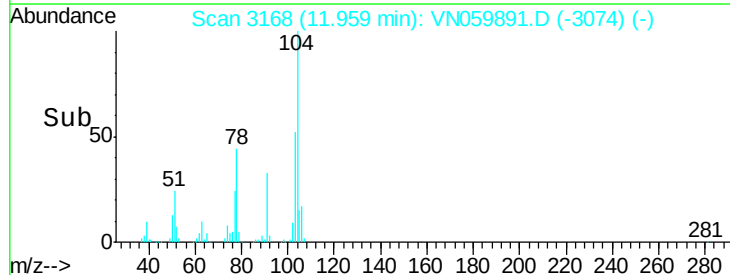
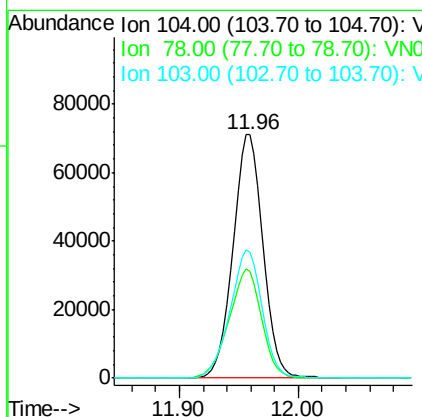
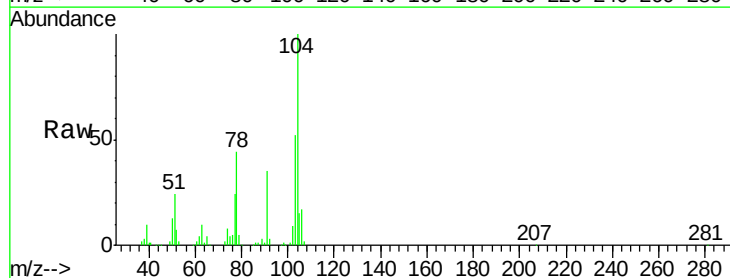
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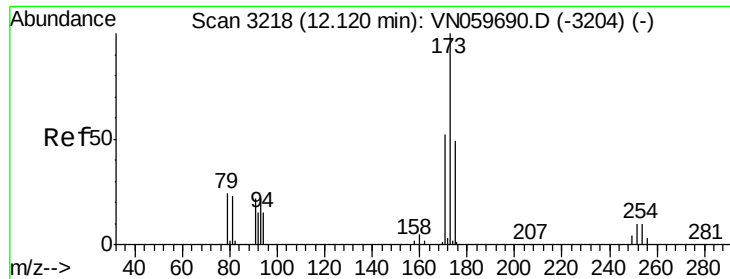
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#70
Styrene
Concen: 20.133 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion:104 Resp: 123972
Ion Ratio Lower Upper
104 100
78 48.6 42.4 63.6
103 56.3 43.9 65.9





#71

Bromoform

Concen: 22.325 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:173 Resp: 37876

Ion Ratio Lower Upper

173 100

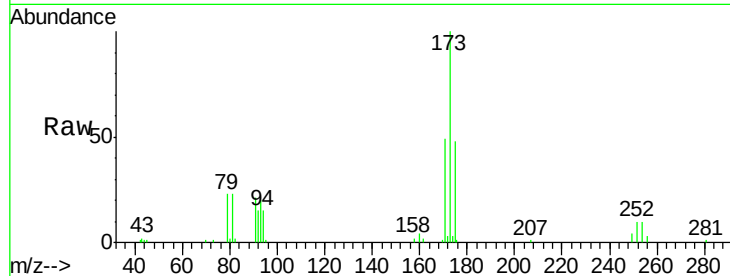
175 48.2 23.8 71.4

254 0.0 0.0 0.0

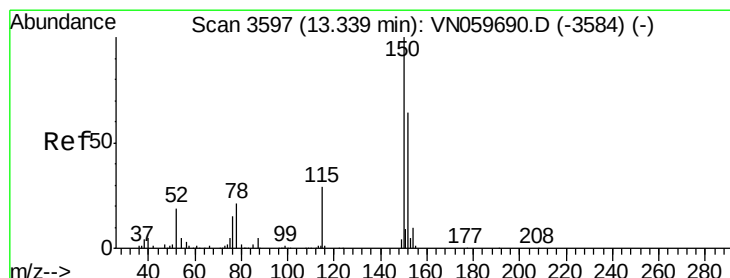
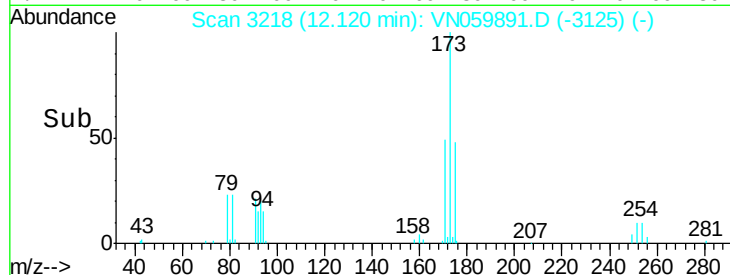
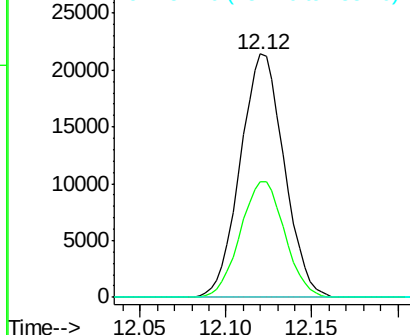
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

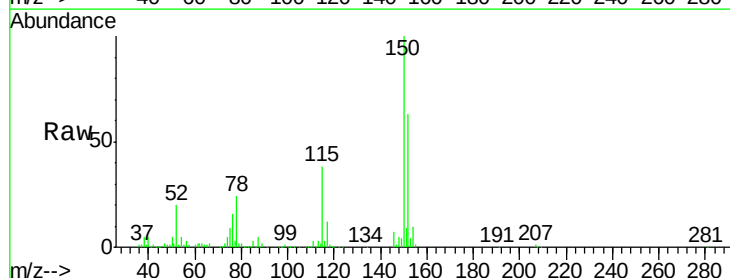
Tgt Ion:152 Resp: 130186

Ion Ratio Lower Upper

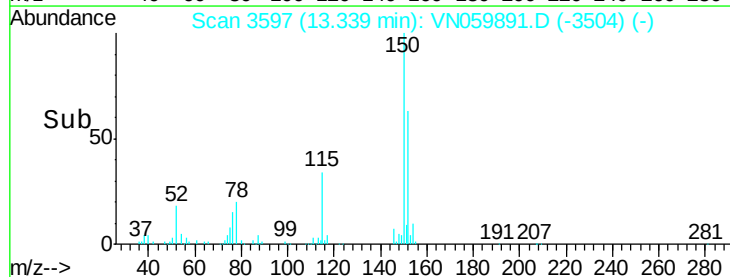
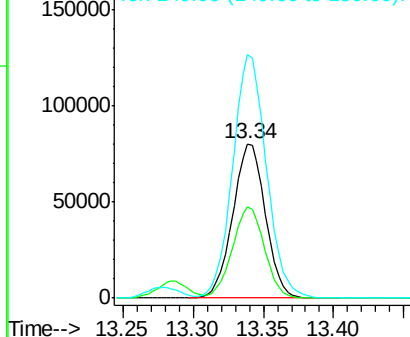
152 100

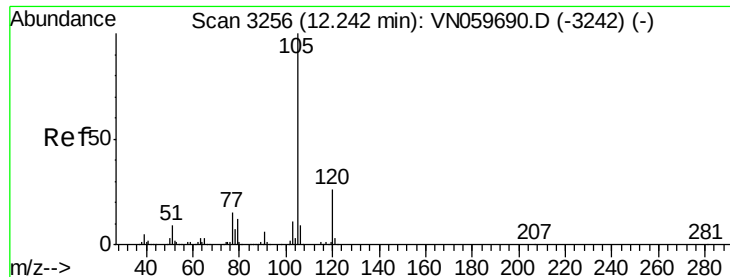
115 58.4 30.3 90.9

150 163.8 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.875 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:105 Resp: 208858

Ion Ratio Lower Upper

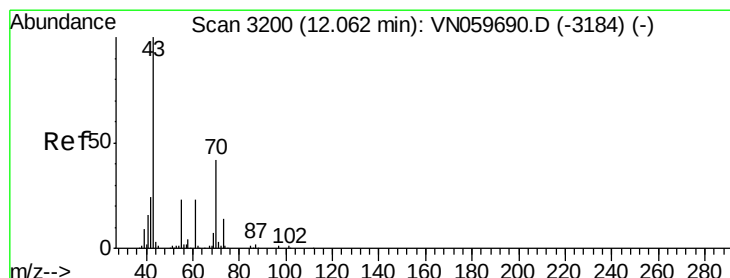
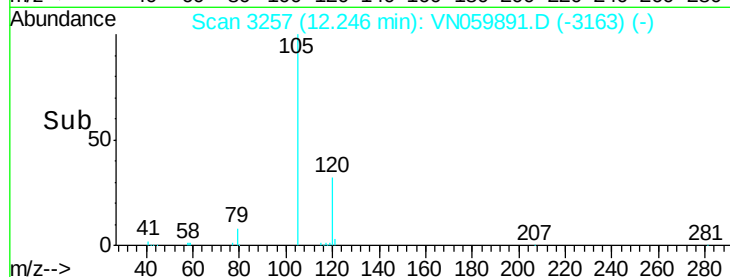
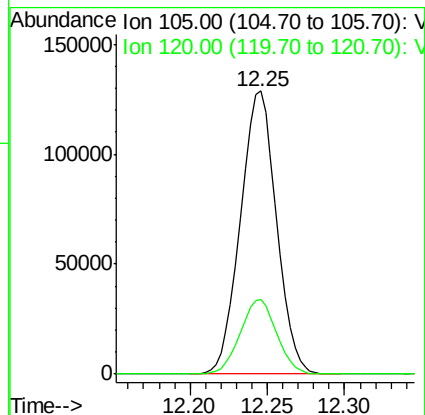
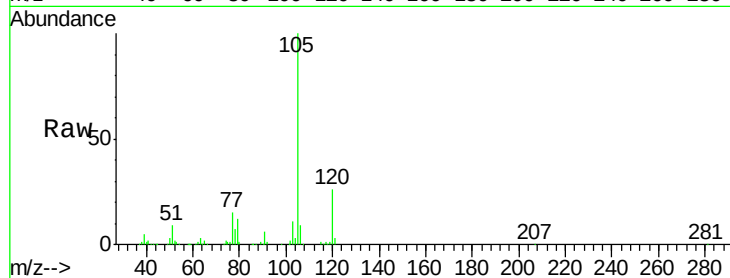
105 100

120 26.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.284 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion: 43 Resp: 71443

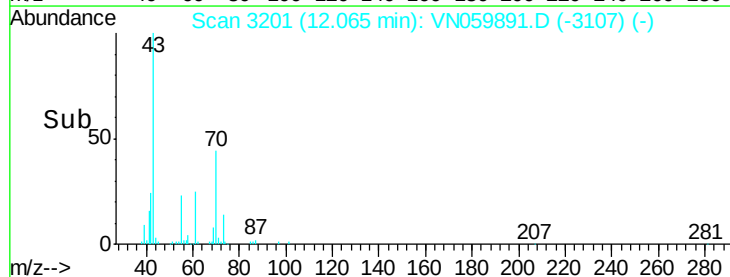
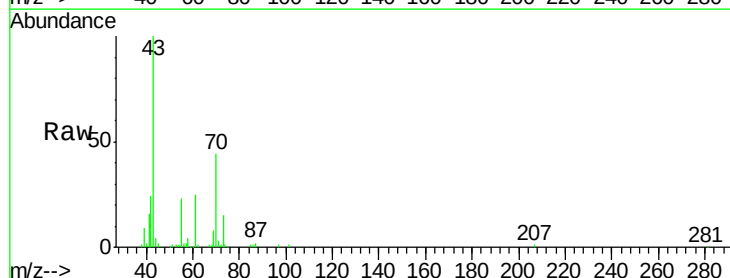
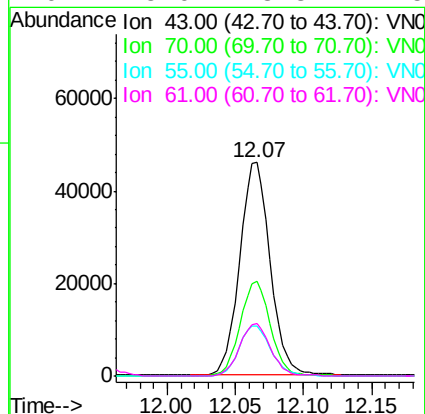
Ion Ratio Lower Upper

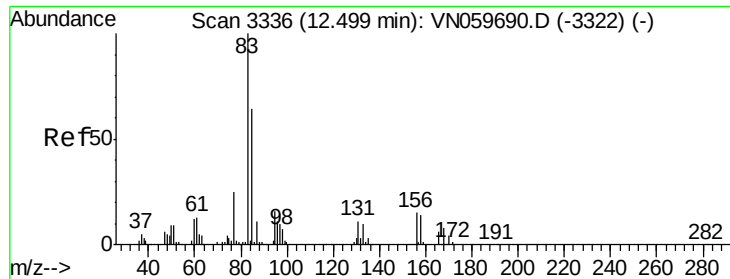
43 100

70 44.0 31.3 46.9

55 24.5 19.8 29.6

61 25.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.817 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

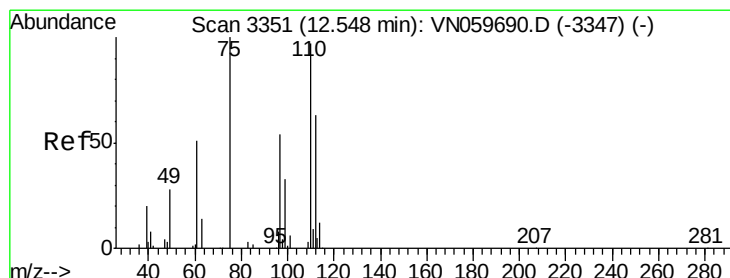
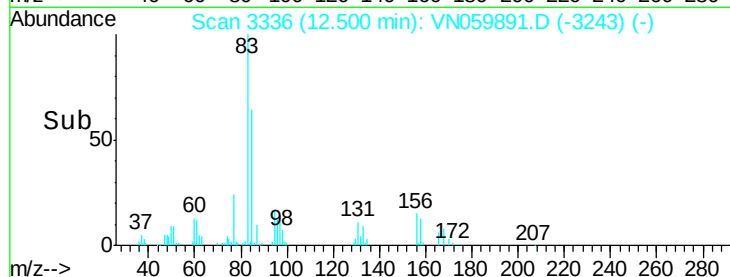
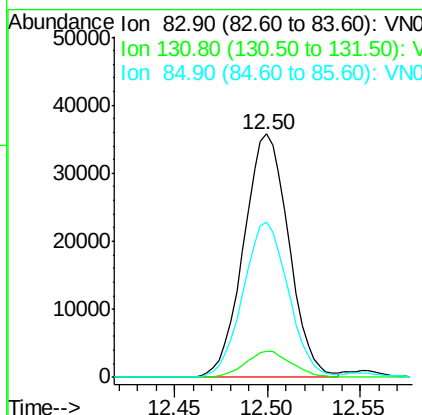
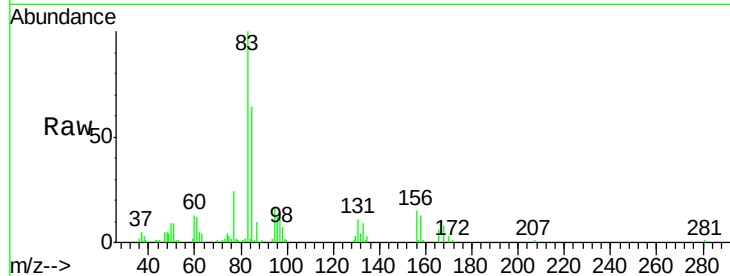
ClientSampleId :

VN0128WBS01

Tot Ion:	83	Resp:	60388
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.0	14.9
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 25.239 ug/l m

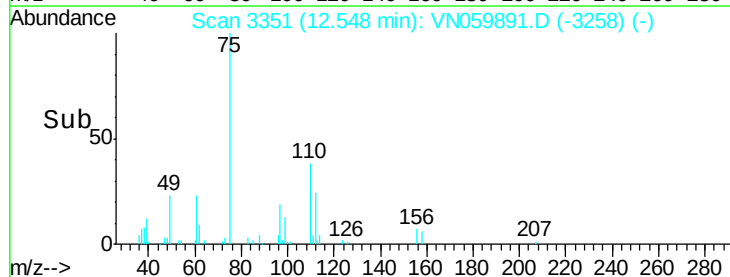
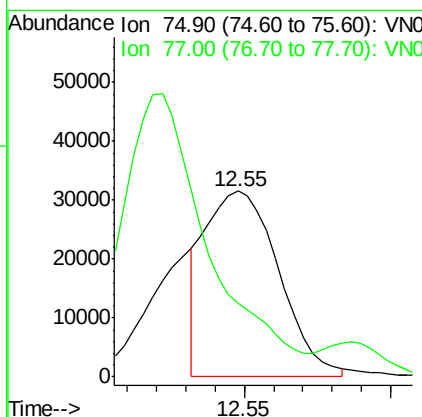
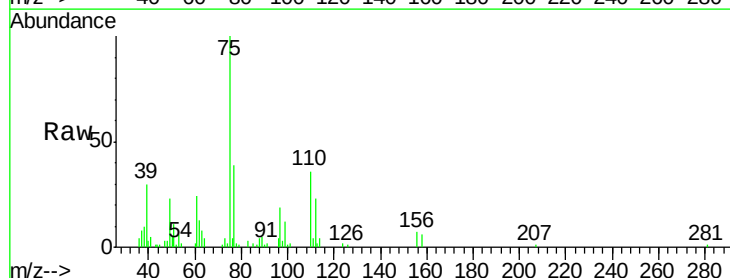
RT: 12.55 min Scan# 3351

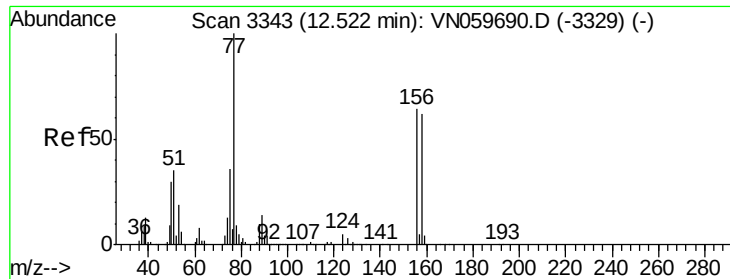
Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	75	Resp:	55297
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.584 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

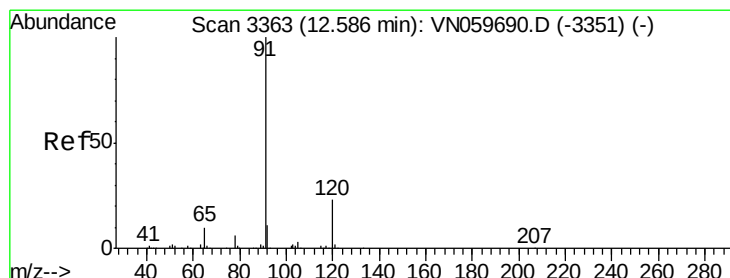
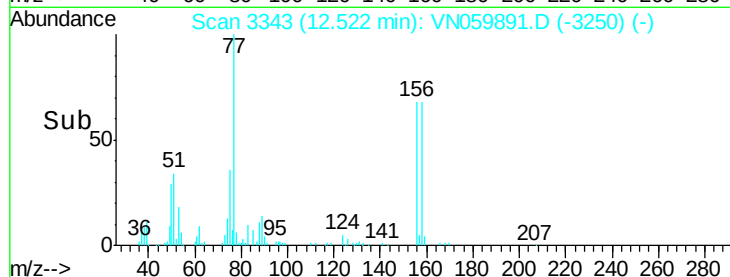
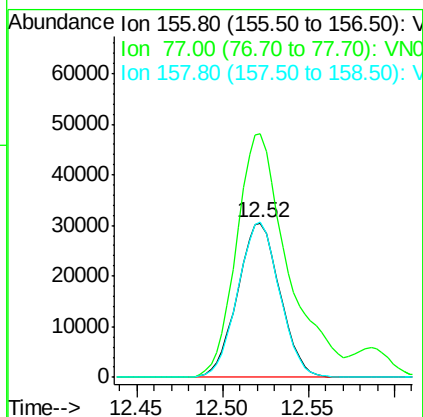
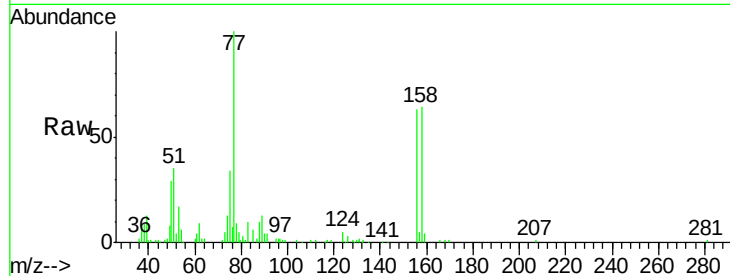
ClientSampleId :

VN0128WBS01

Tot Ion:	156	Resp:	52188
Ion Ratio	Lower	Upper	
156	100		
77	191.3	115.8	347.4
158	98.9	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.193 ug/l

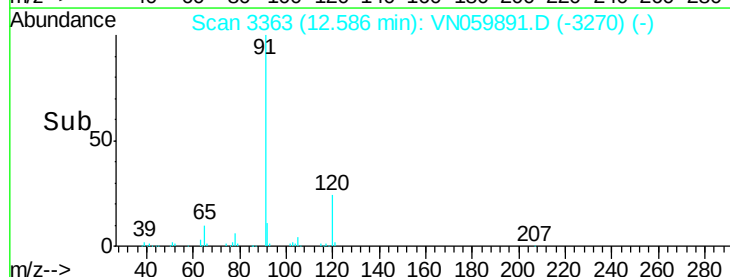
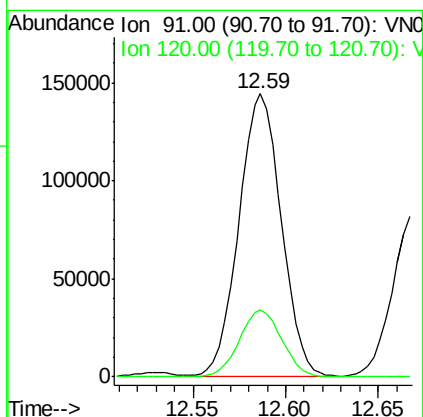
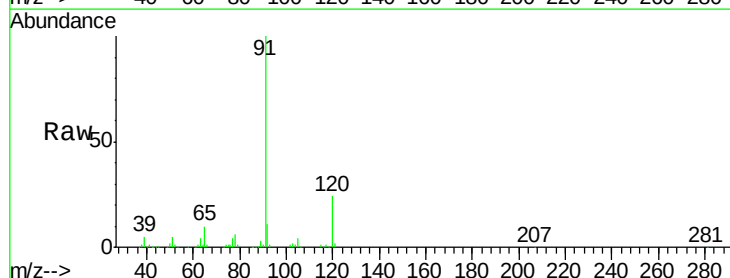
RT: 12.59 min Scan# 3363

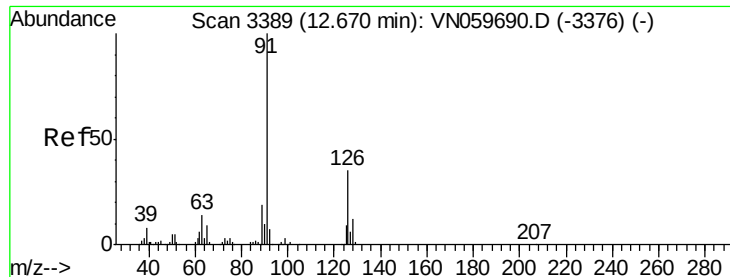
Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	91	Resp:	227111
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.1	33.3





#79

2-Chlorotoluene

Concen: 21.373 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

ClientSampled :

VN0128WBS01

Tot Ion: 91 Resp: 136257

Ion Ratio Lower Upper

91 100

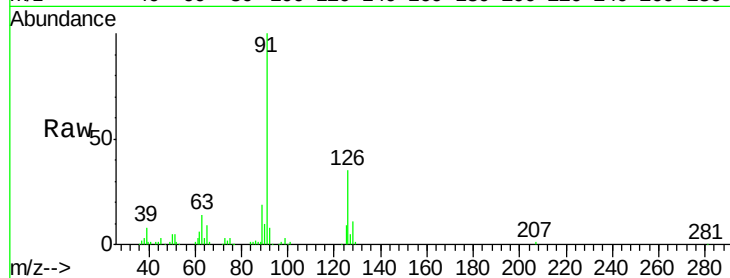
126 35.5 16.3 48.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059891.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059891.D (-3376) (-)

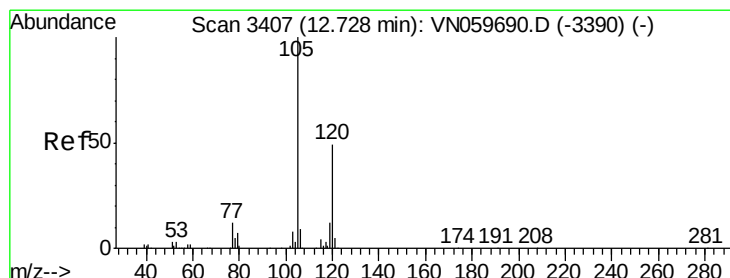
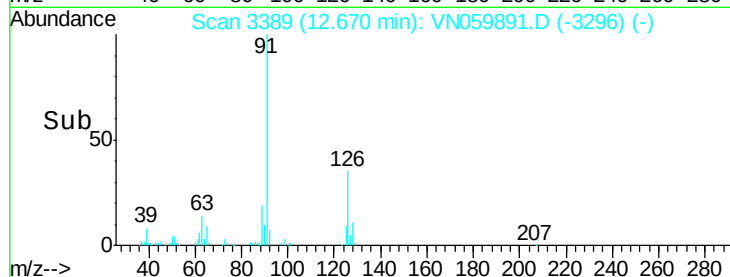
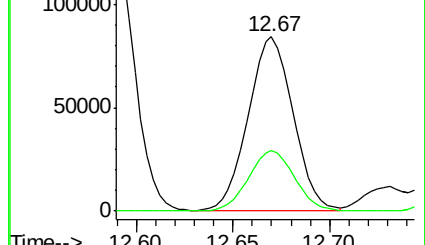
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 21.747 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059891.D

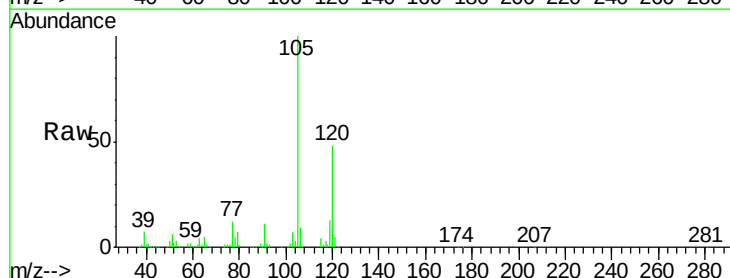
Acq: 28 Jan 2020 12:36

Tgt Ion: 105 Resp: 174620

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059891.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059891.D (-3390) (-)

120000

100000

80000

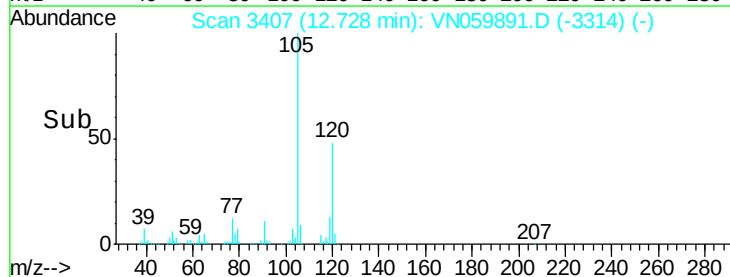
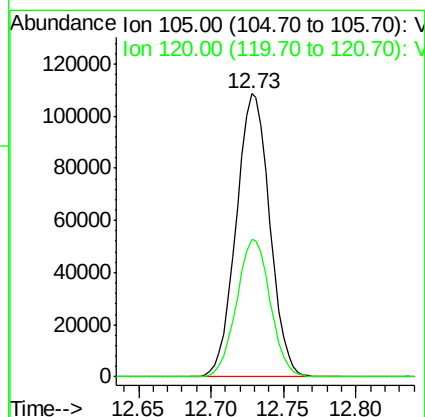
60000

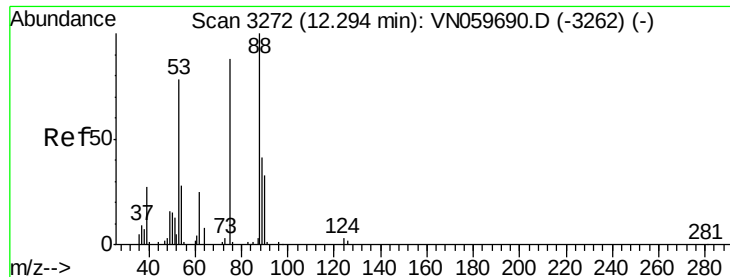
40000

20000

0

12.65 12.70 12.75 12.80





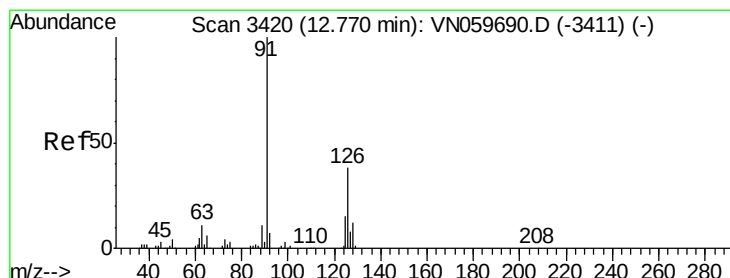
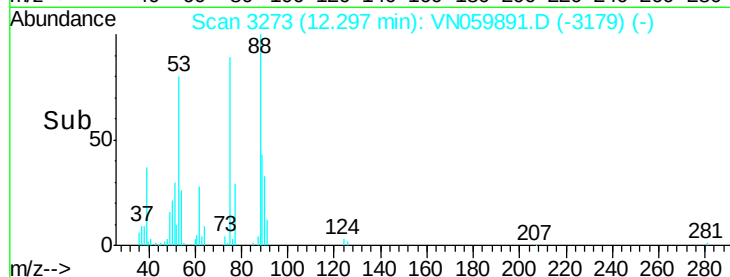
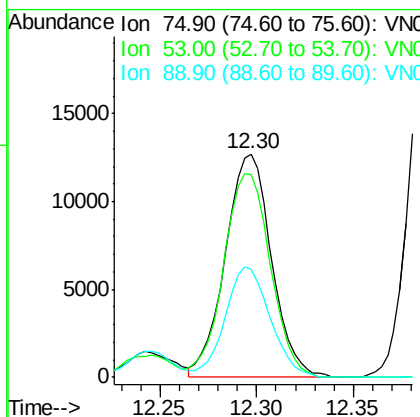
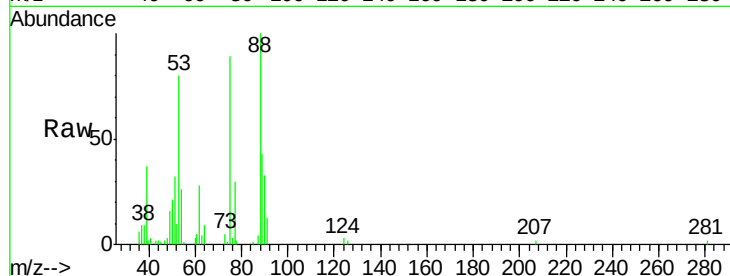
#81
trans-1,4-Dichloro-2-butene
Concen: 20.658 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.6	78.1	117.1
89	48.2	35.4	53.2

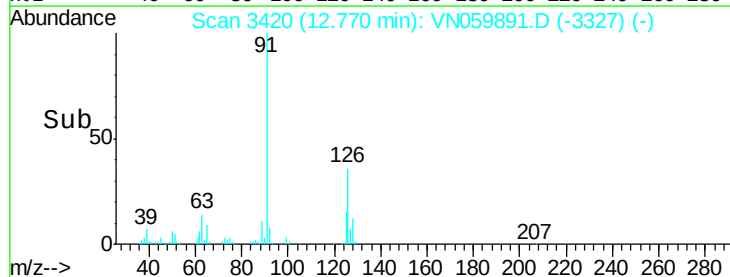
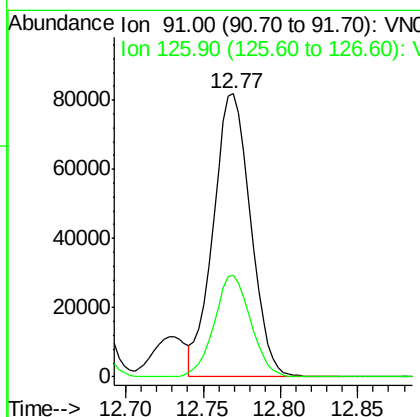
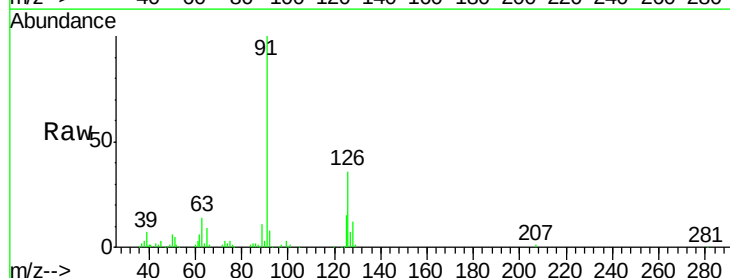
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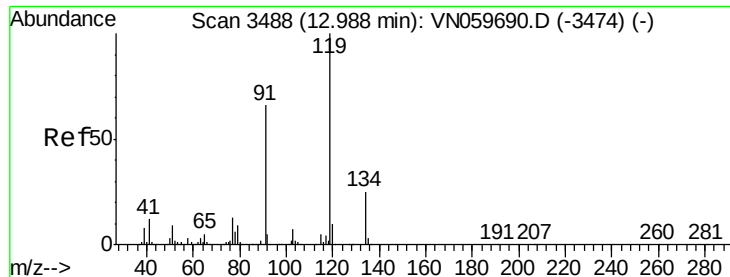
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#82
4-Chlorotoluene
Concen: 21.485 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	16.3	48.8





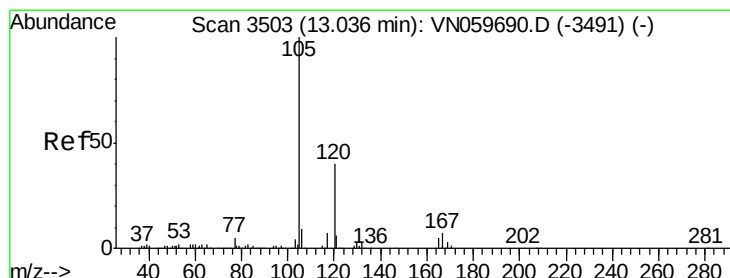
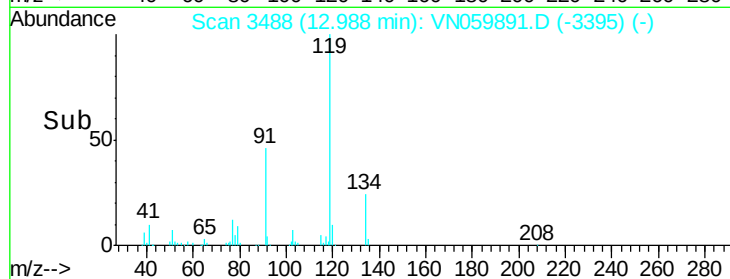
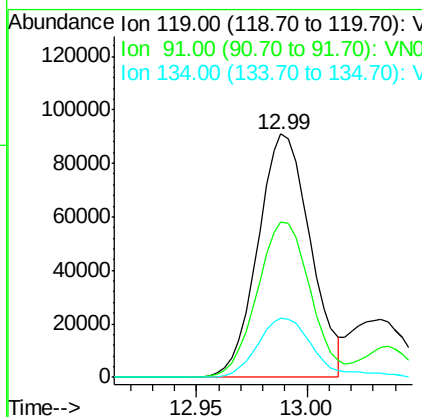
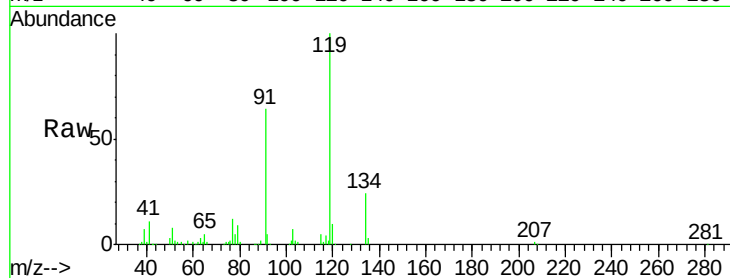
#83
 tert-Butylbenzene
 Concen: 21.552 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	34.8	104.4
134	26.3	12.3	36.9

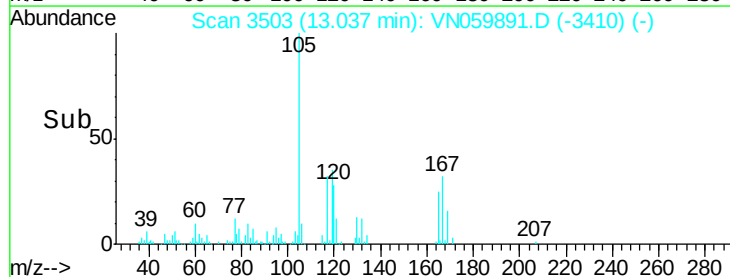
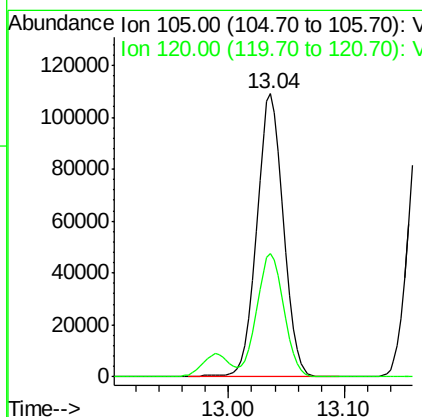
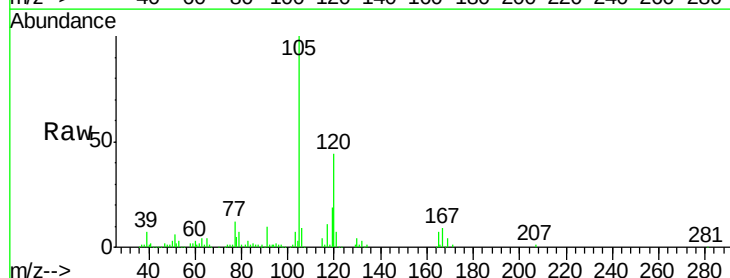
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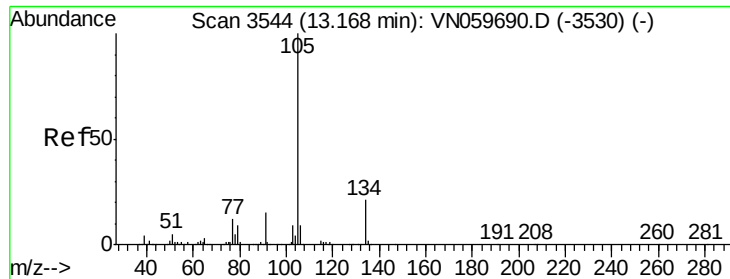
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.981 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





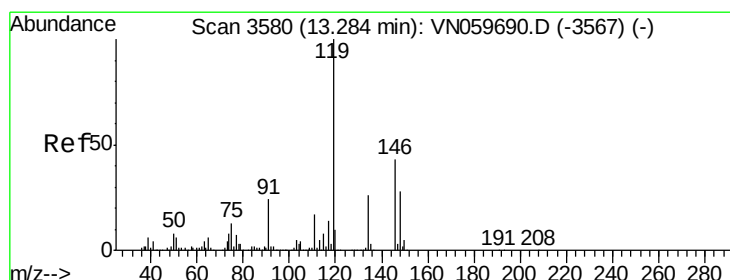
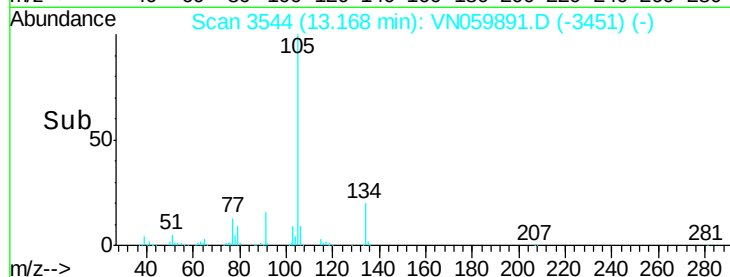
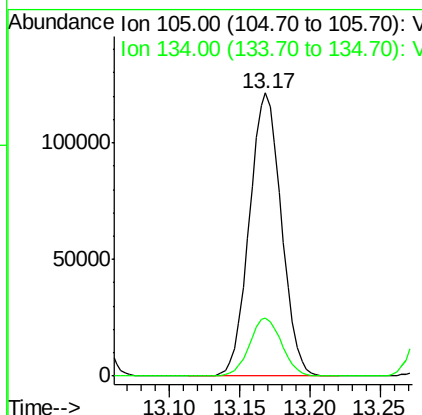
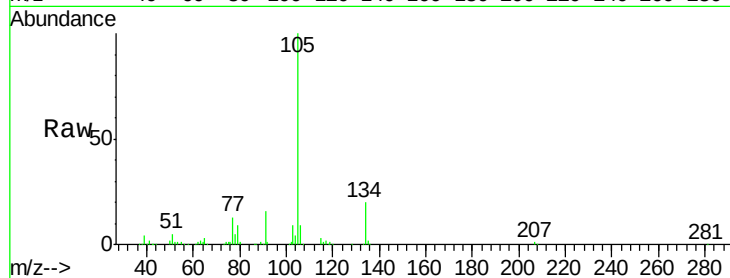
#85
 sec-Butylbenzene
 Concen: 21.126 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	192757		
134	20.5	9.8	29.5	

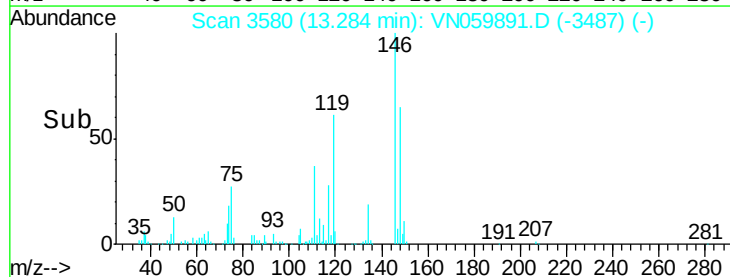
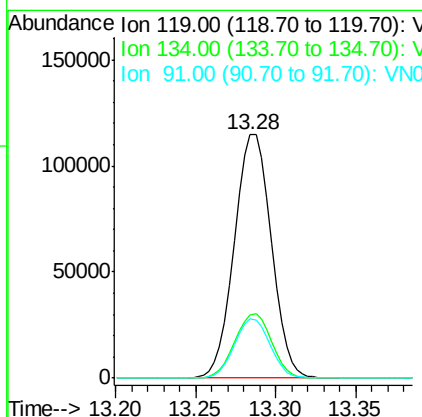
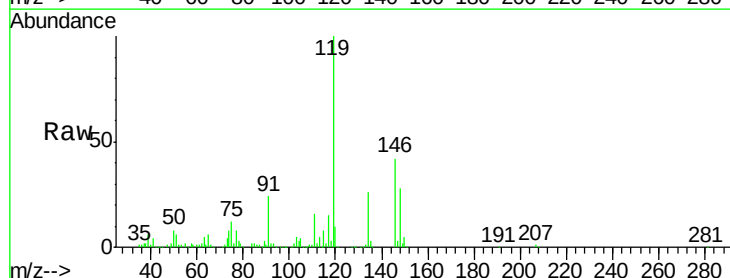
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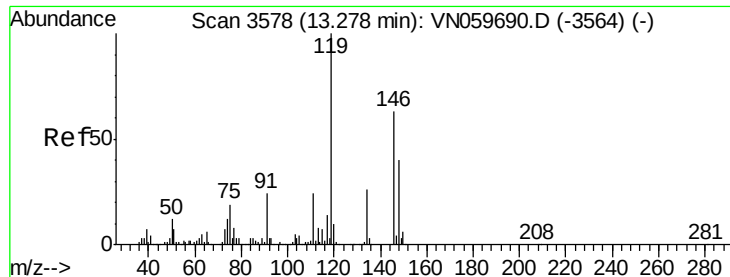
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#86
 p-Isopropyltoluene
 Concen: 21.371 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	180428		
134	26.3	12.9	38.7	
91	23.5	12.4	37.4	





#87

1,3-Dichlorobenzene

Concen: 21.675 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059891.D

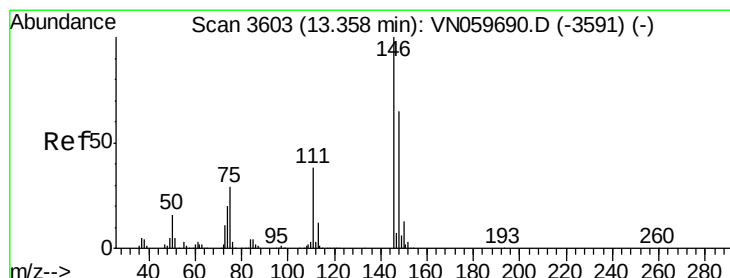
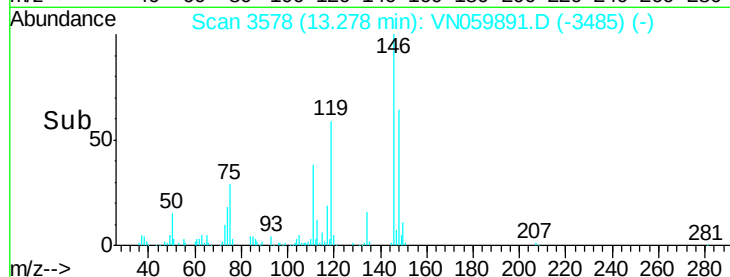
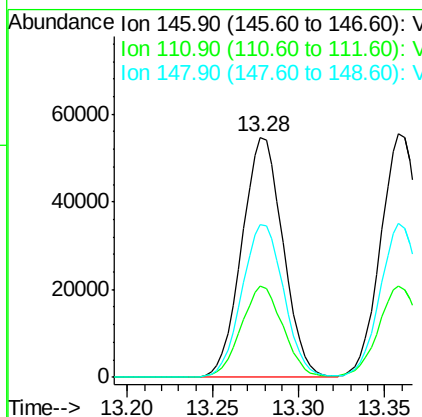
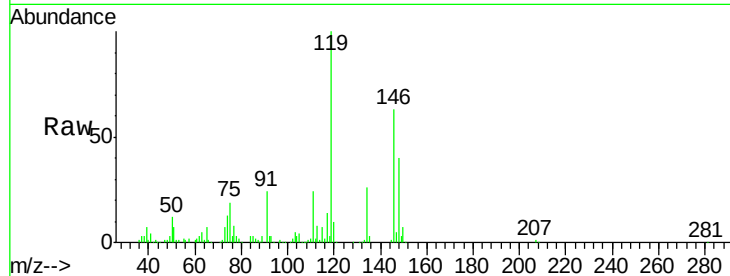
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.7	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.795 ug/l

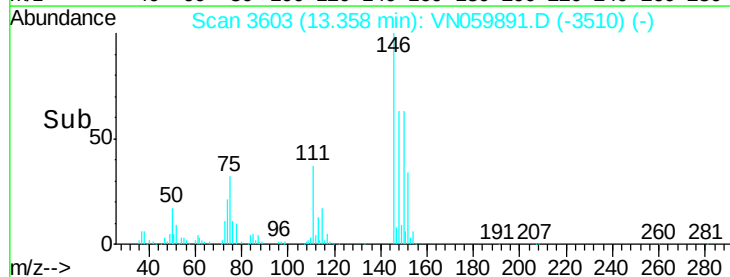
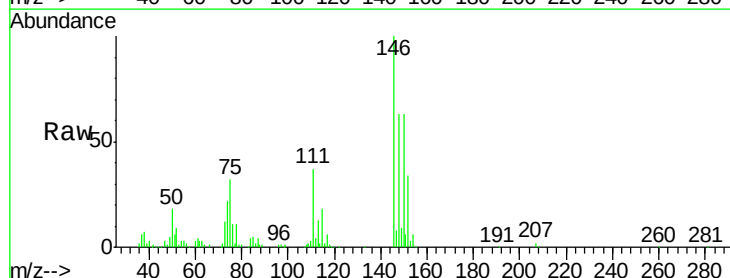
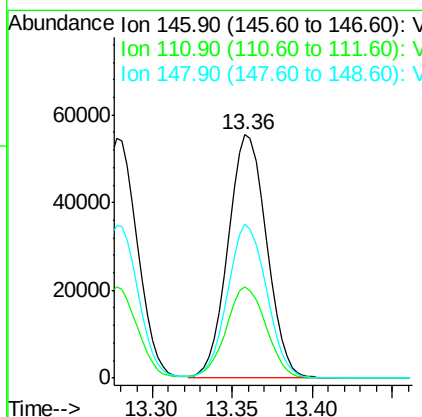
RT: 13.36 min Scan# 3603

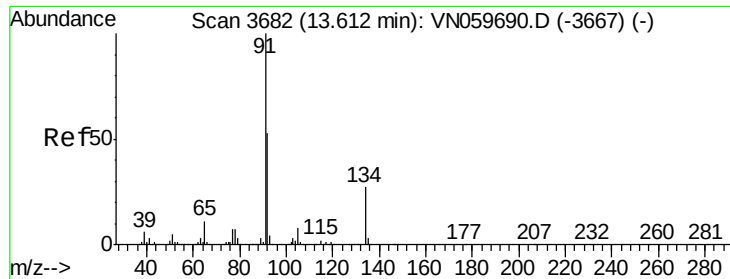
Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	63.9	31.8	95.4





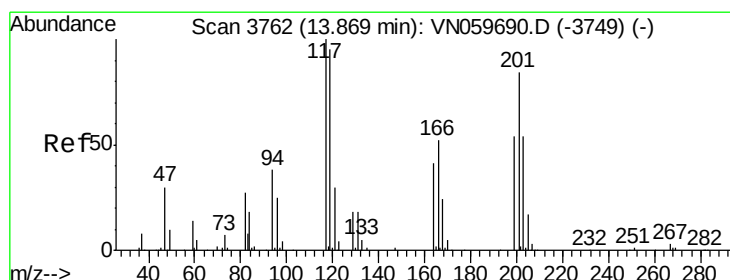
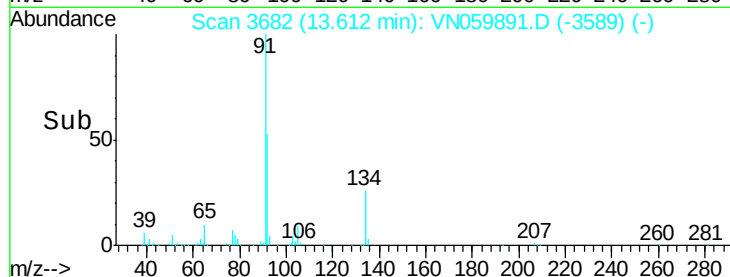
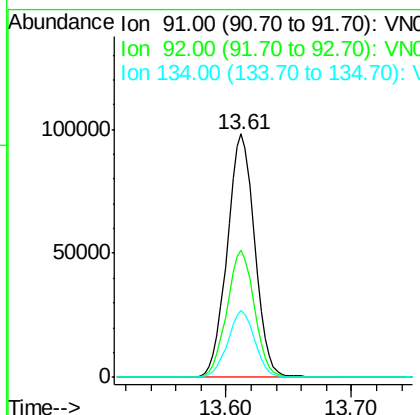
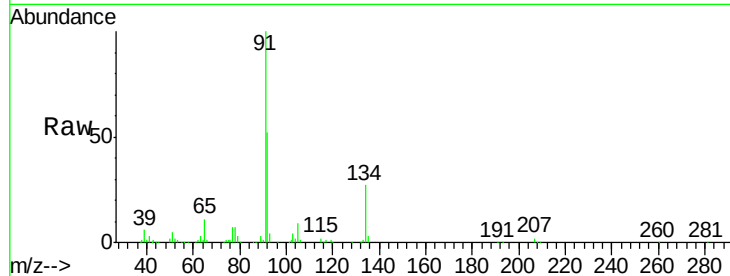
#89
n-Butylbenzene
Concen: 20.740 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.9	77.7
134	26.8	12.3	36.8

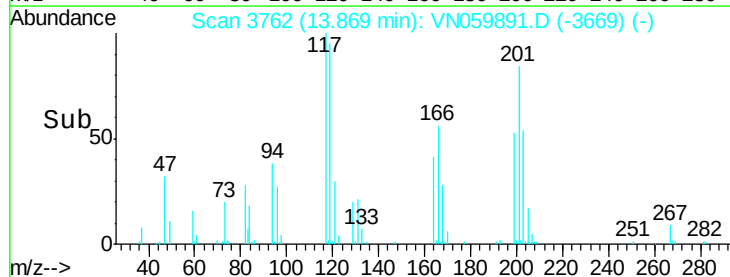
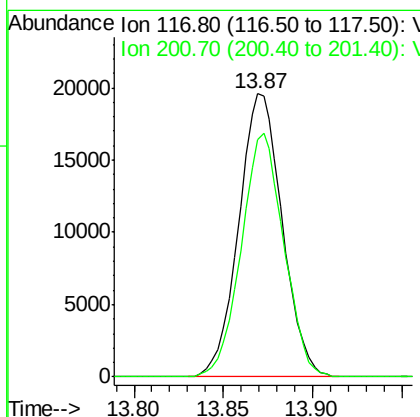
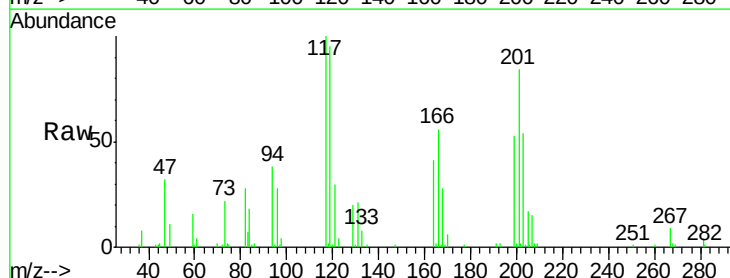
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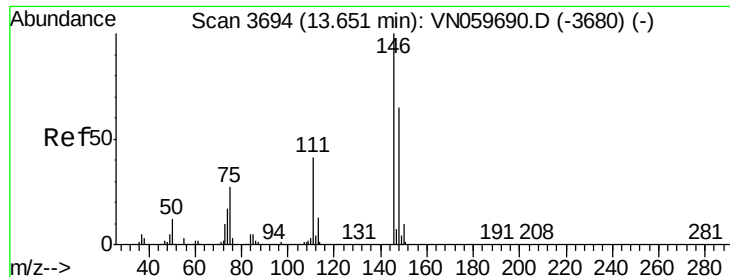
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#90
Hexachloroethane
Concen: 21.124 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059891.D
Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 21.861 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

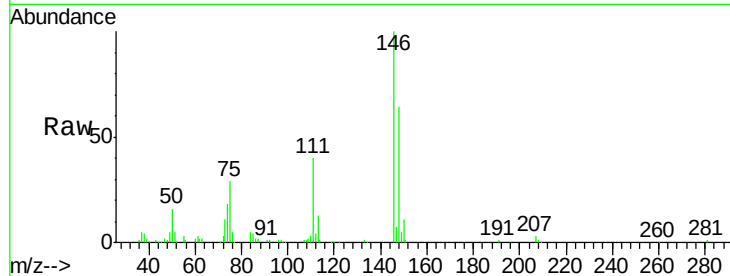
ClientSampled :

VN0128WBS01

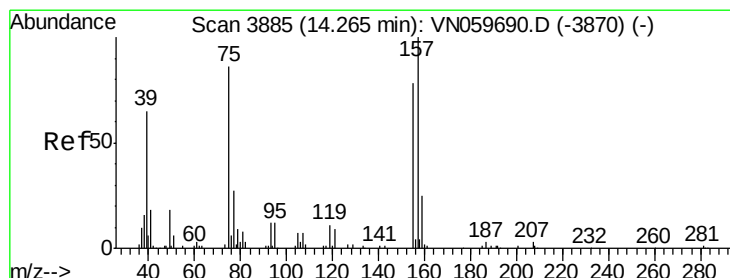
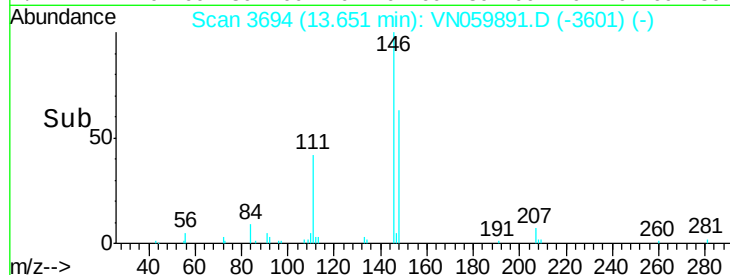
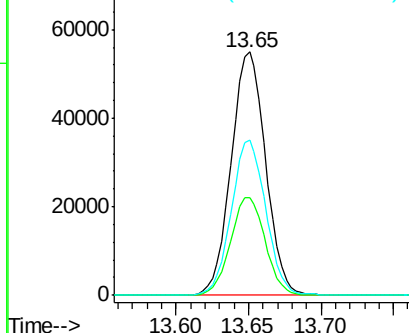
Tot Ion:	146	Resp:	90771
Ion Ratio	Lower	Upper	
146	100		
111	40.3	21.6	64.8
148	63.6	31.6	95.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.947 ug/l

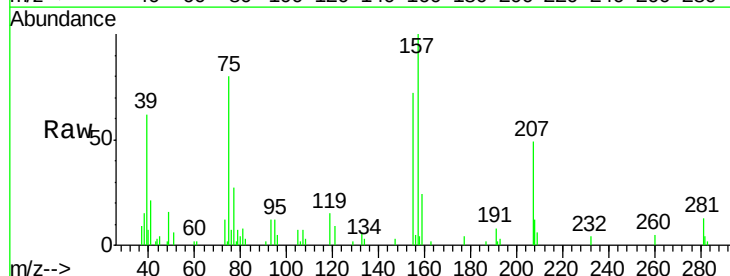
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

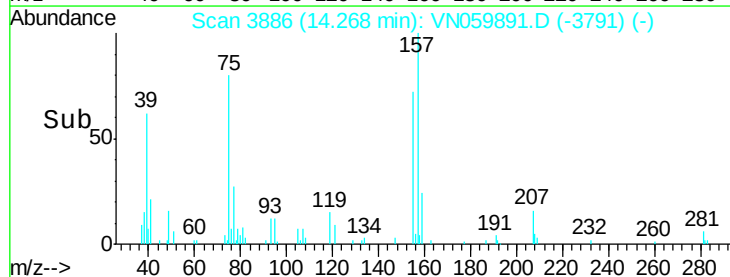
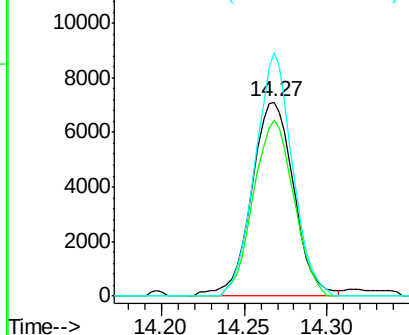
Lab File: VN059891.D

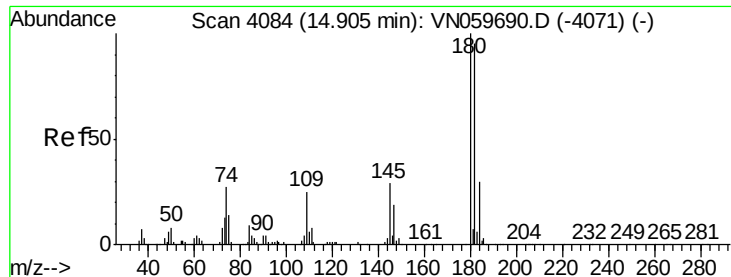
Acq: 28 Jan 2020 12:36

Tgt Ion:	75	Resp:	12596
Ion Ratio	Lower	Upper	
75	100		
155	86.3	37.0	110.9
157	110.6	48.4	145.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





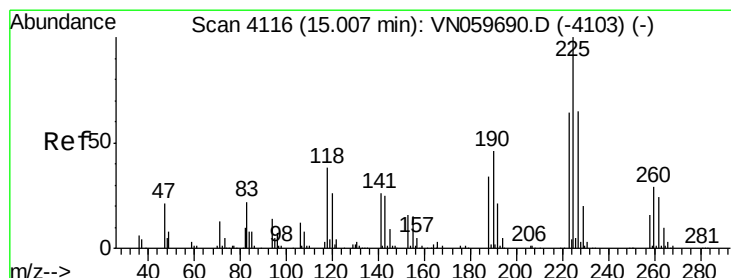
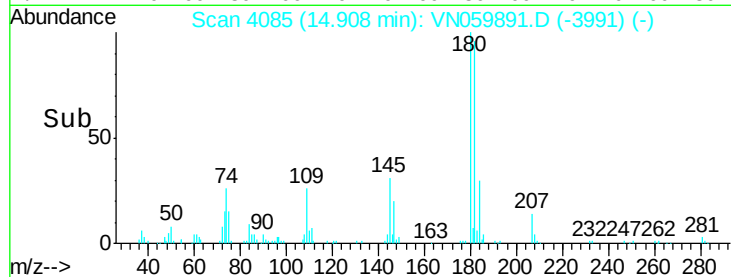
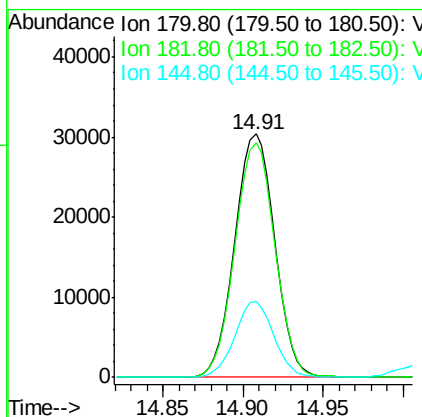
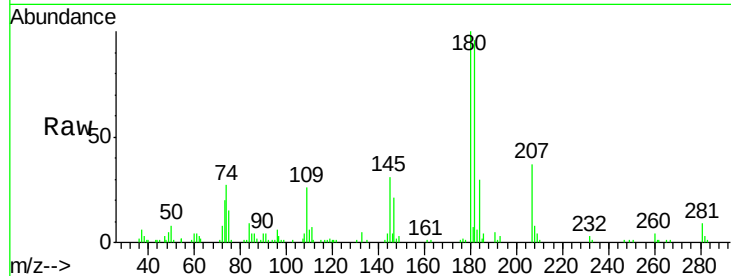
#93
 1,2,4-Trichlorobenzene
 Concen: 20.793 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.7
145	30.1	15.0	45.1

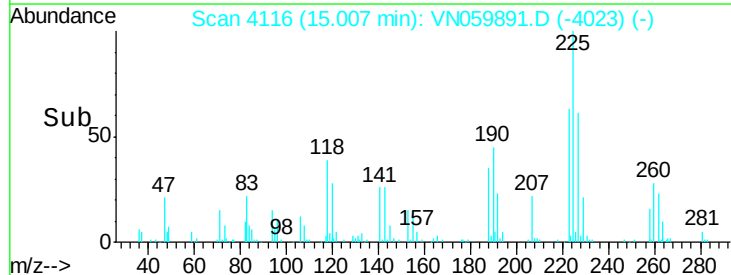
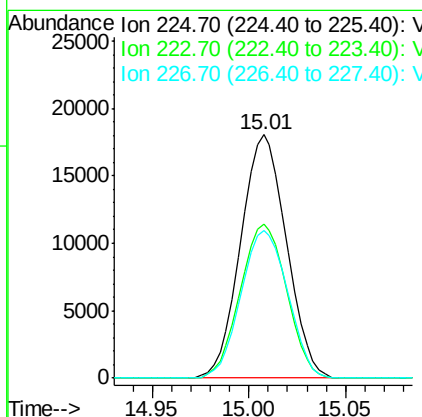
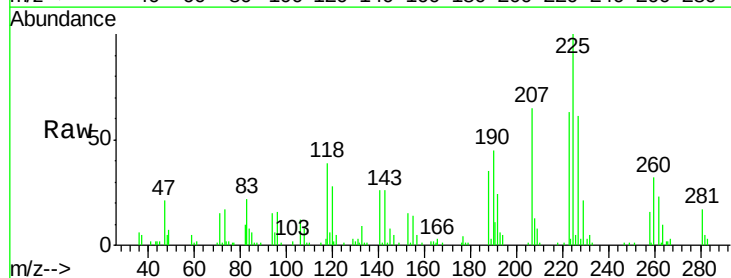
Manual Integrations
 APPROVED

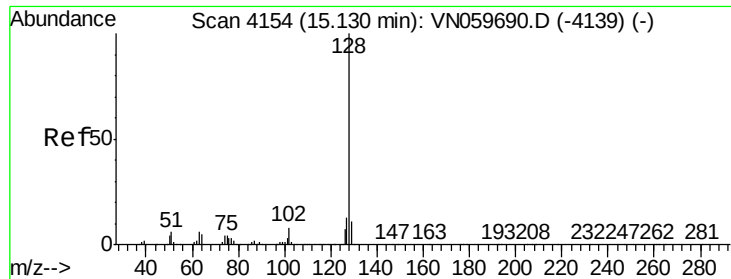
MMDadoda
 1/29/2020 11:04:14 AM



#94
 Hexachlorobutadiene
 Concen: 21.587 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059891.D
 Acq: 28 Jan 2020 12:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.8	95.3
227	62.1	32.1	96.5





#95

Naphthalene

Concen: 19.694 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Instrument :

MSVOA_N

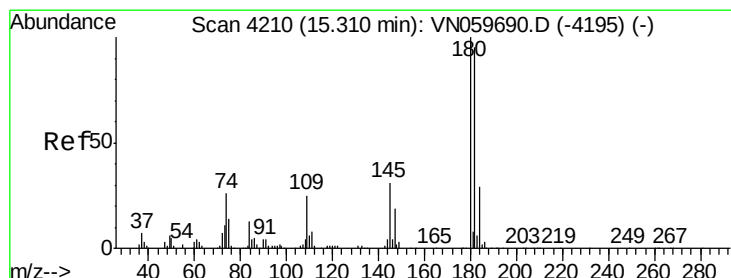
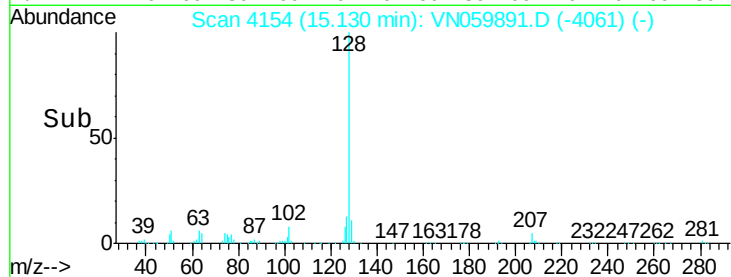
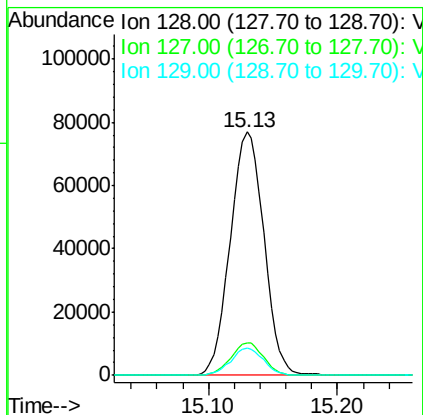
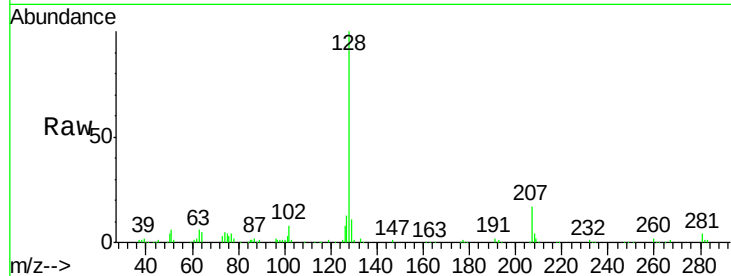
ClientSampleId :

VN0128WBS01

Tot Ion:	128	Resp:	139757
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/29/2020 11:04:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.892 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059891.D

Acq: 28 Jan 2020 12:36

Tgt Ion:	180	Resp:	50737
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.4	142.3
145	31.9	16.3	48.9

