

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011620\
 Data File : VN059731.D
 Acq On : 16 Jan 2020 14:55
 Operator : JC/MD
 Sample : VN0116MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Manual Integrations
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 1/17/2020 1:53:09 PM

Quant Time: Jan 17 07:53:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	198206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	305980	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129305	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	111669	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	
35) Dibromofluoromethane	7.57	113	95184	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
50) Toluene-d8	10.08	98	359248	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	124676	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	48049	20.250	ug/l	100
3) Chloromethane	2.04	50	46227	20.371	ug/l	99
4) Vinyl Chloride	2.17	62	56570	21.788	ug/l	99
5) Bromomethane	2.54	94	33990	21.452	ug/l	98
6) Chloroethane	2.68	64	25382	20.664	ug/l	96
7) Trichlorofluoromethane	3.00	101	66312	21.267	ug/l	97
8) Diethyl Ether	3.39	74	23340	21.329	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37400	21.551	ug/l	93
10) Methyl Iodide	3.93	142	56692	20.210	ug/l	96
11) Tert butyl alcohol	4.73	59	36640	98.880	ug/l	99
12) 1,1-Dichloroethene	3.72	96	36963	20.384	ug/l	86
13) Acrolein	3.58	56	21221	80.903	ug/l	99
14) Allyl chloride	4.29	41	49545	20.270	ug/l #	84
15) Acrylonitrile	4.95	53	87332	103.321	ug/l	99
16) Acetone	3.78	43	74210	92.544	ug/l	93
17) Carbon Disulfide	4.03	76	101156	19.582	ug/l	99
18) Methyl Acetate	4.29	43	52016	20.231	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	121093	20.481	ug/l	94
20) Methylene Chloride	4.52	84	41687	20.161	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	39438	20.460	ug/l	88
22) Diisopropyl ether	5.92	45	112239	20.263	ug/l #	93
23) Vinyl Acetate	5.86	43	436958	101.889	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	69133	20.426	ug/l	96
25) 2-Butanone	6.80	43	114996	92.256	ug/l	93
26) 2,2-Dichloropropane	6.79	77	63079	19.386	ug/l	94
27) cis-1,2-Dichloroethene	6.80	96	45636	20.584	ug/l	87
28) Bromochloromethane	7.17	49	25628	18.945	ug/l #	72
29) Tetrahydrofuran	7.18	42	75570	97.987	ug/l	88
30) Chloroform	7.35	83	72146	20.573	ug/l	99
31) Cyclohexane	7.63	56	63583	19.524	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	66345	20.462	ug/l	95
36) 1,1-Dichloropropene	7.77	75	53161	19.951	ug/l	95
37) Ethyl Acetate	6.90	43	49576	19.837	ug/l	97
38) Carbon Tetrachloride	7.75	117	59490	20.524	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	64669	19.683	ug/l	90
40) Benzene	8.02	78	160682	20.220	ug/l	99
41) Methacrylonitrile	7.16	41	25702m	20.879	ug/l	
42) 1,2-Dichloroethane	8.10	62	55598	20.635	ug/l	95
43) Isopropyl Acetate	8.14	43	84131	19.572	ug/l #	94
44) Trichloroethene	8.82	130	46003	21.206	ug/l	93
45) 1,2-Dichloropropane	9.10	63	40658	20.676	ug/l	100
46) Dibromomethane	9.19	93	29116	20.990	ug/l	91
47) Bromodichloromethane	9.39	83	56895	20.354	ug/l	98
48) Methyl methacrylate	9.18	41	37278	19.388	ug/l	89
49) 1,4-Dioxane	9.18	88	15114	429.387	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	242977	97.781	ug/l	94
52) Toluene	10.14	92	102710	20.462	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	63233	20.259	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	67426	20.531	ug/l	91
55) 1,1,2-Trichloroethane	10.55	97	41180	20.714	ug/l	98
56) Ethyl methacrylate	10.42	69	59640	19.633	ug/l	93
57) 1,3-Dichloropropane	10.70	76	65812	20.851	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	98443	107.592	ug/l #	90
59) 2-Hexanone	10.74	43	174298	95.211	ug/l	94
60) Dibromochloromethane	10.89	129	45656	20.167	ug/l	99
61) 1,2-Dibromoethane	11.00	107	42559	20.425	ug/l	99
64) Tetrachloroethene	10.62	164	42893	19.183	ug/l	96
65) Chlorobenzene	11.43	112	110423	20.477	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	43625	20.936	ug/l	98
67) Ethyl Benzene	11.50	91	197374	20.162	ug/l	96
68) m/p-Xylenes	11.62	106	151386	40.939	ug/l	95
69) o-Xylene	11.94	106	74277	20.517	ug/l	92
70) Styrene	11.96	104	120474	19.887	ug/l	97
71) Bromoform	12.12	173	34171	20.473	ug/l #	99
73) Isopropylbenzene	12.25	105	197044	20.778	ug/l	100
74) N-amyl acetate	12.07	43	71306	19.378	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	57641	20.967	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	51974m	23.884	ug/l	
77) Bromobenzene	12.52	156	49787	20.732	ug/l	81
78) n-propylbenzene	12.59	91	218208	20.501	ug/l	96
79) 2-Chlorotoluene	12.67	91	128989	20.371	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	163904	20.551	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19404	19.149	ug/l	93
82) 4-Chlorotoluene	12.77	91	128954	20.304	ug/l	94
83) tert-Butylbenzene	12.99	119	144610	20.965	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	163223	20.687	ug/l	98
85) sec-Butylbenzene	13.17	105	188424	20.792	ug/l	99
86) p-Isopropyltoluene	13.28	119	170412	20.322	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	86002	20.616	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86936	20.890	ug/l	97
89) n-Butylbenzene	13.61	91	142879	19.984	ug/l	98
90) Hexachloroethane	13.87	117	31831	20.289	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	84933	20.595	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11528	18.209	ug/l	76

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Instrument :
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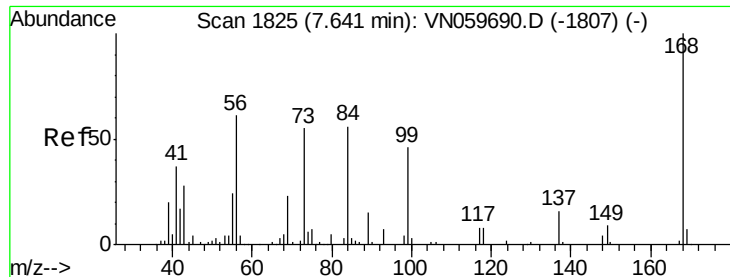
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51374	20.732	ug/l	100
94) Hexachlorobutadiene	15.01	225	28008	20.510	ug/l	98
95) Naphthalene	15.13	128	140935	19.995	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50131	20.784	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion:168 Resp: 198206

Ion Ratio Lower Upper

168 100

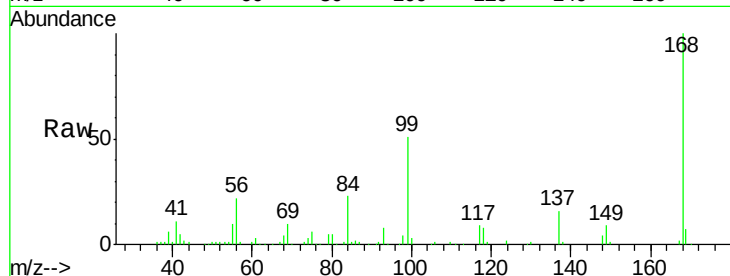
99 50.5 48.2 72.4

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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

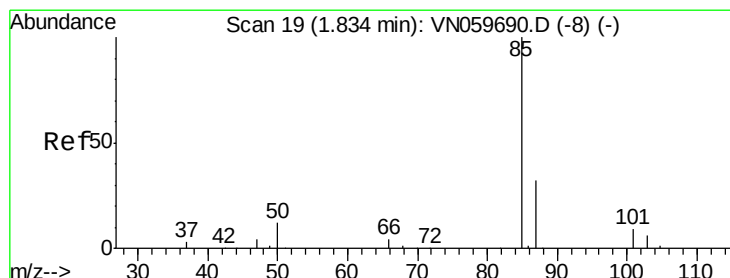
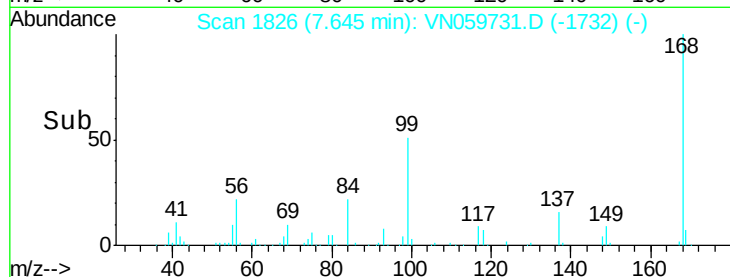
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.250 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059731.D

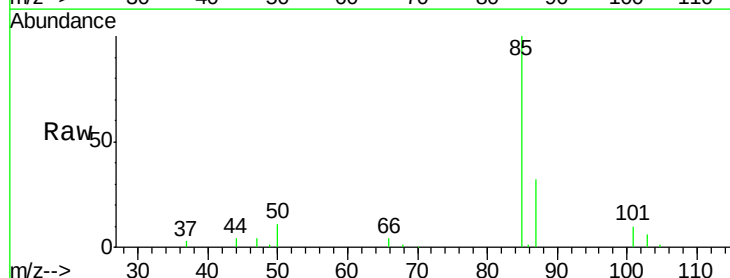
Acq: 16 Jan 2020 14:55

Tgt Ion: 85 Resp: 48049

Ion Ratio Lower Upper

85 100

87 31.8 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

40000

30000

20000

10000

0

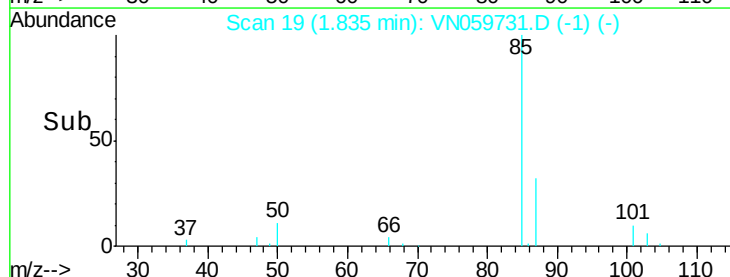
1.75

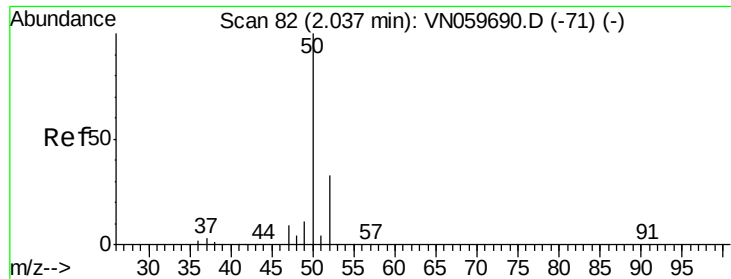
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.371 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 50 Resp: 46227

Ion Ratio Lower Upper

50 100

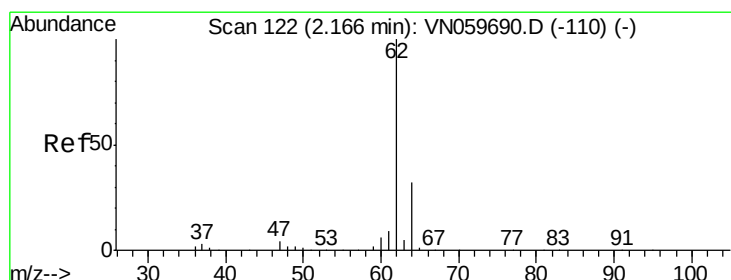
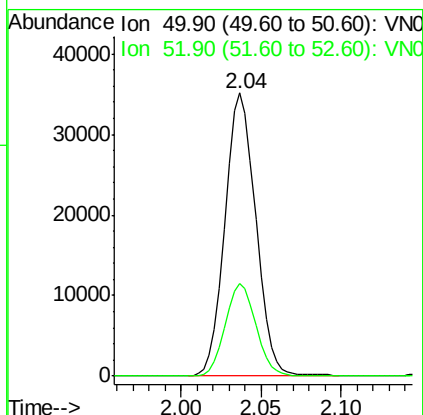
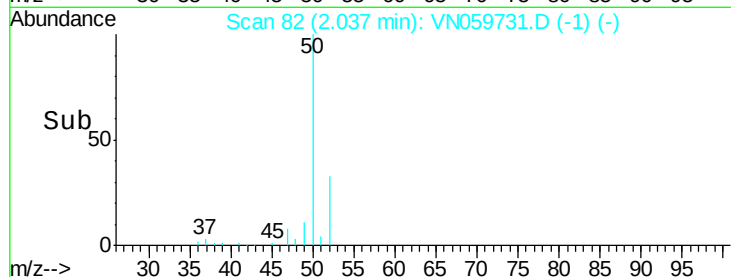
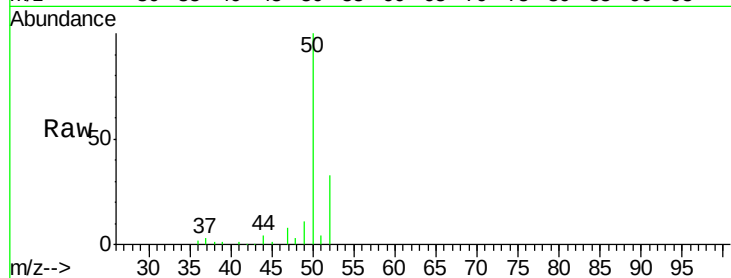
52 32.8 25.9 38.9

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#4

Vinyl Chloride

Concen: 21.788 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059731.D

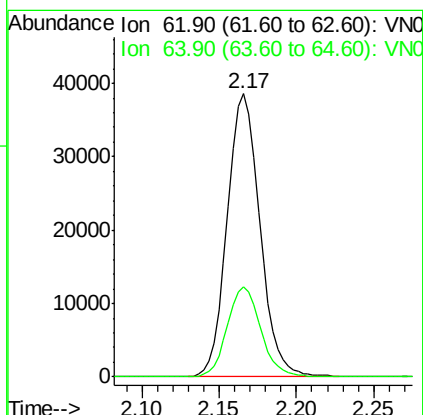
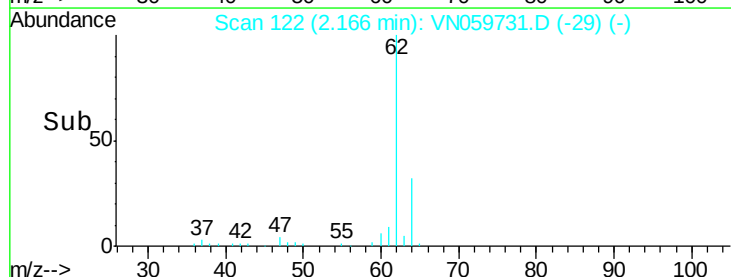
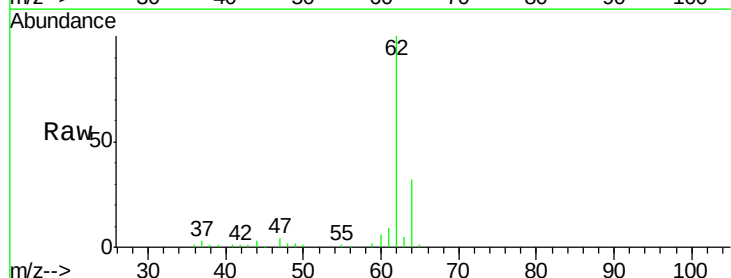
Acq: 16 Jan 2020 14:55

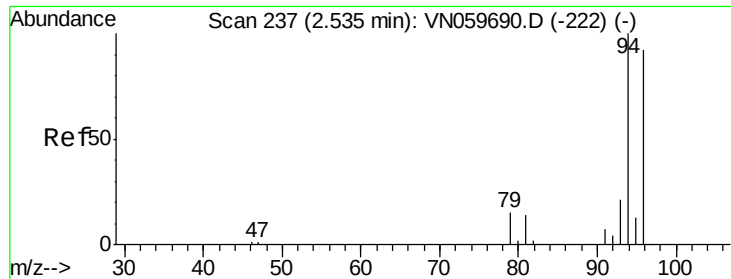
Tgt Ion: 62 Resp: 56570

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 21.452 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 94 Resp: 33990

Ion Ratio Lower Upper

94 100

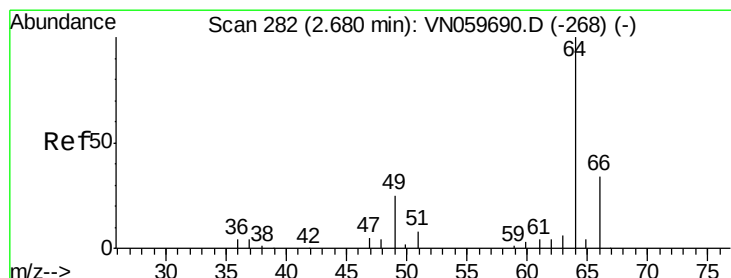
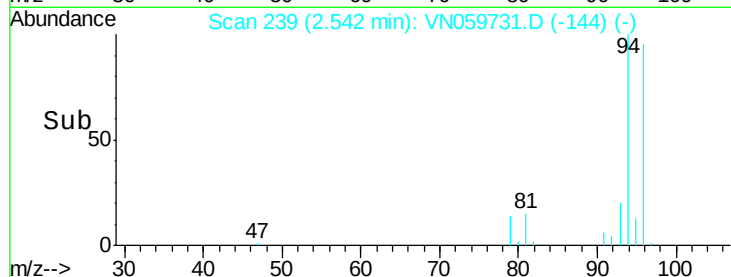
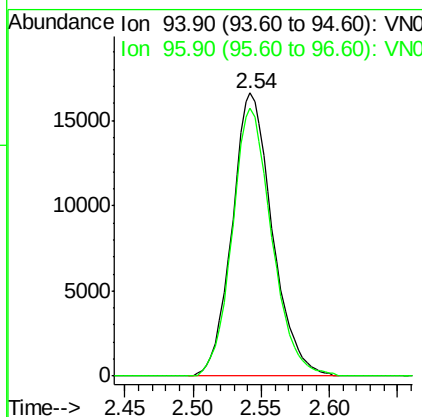
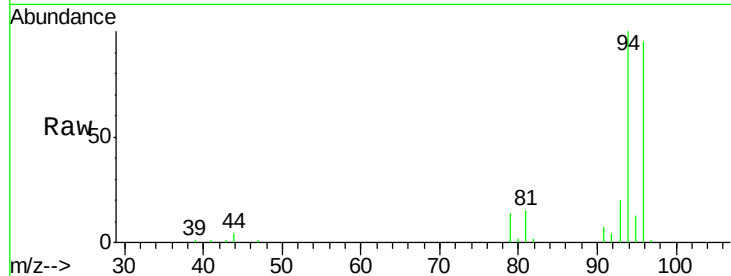
96 94.9 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 20.664 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059731.D

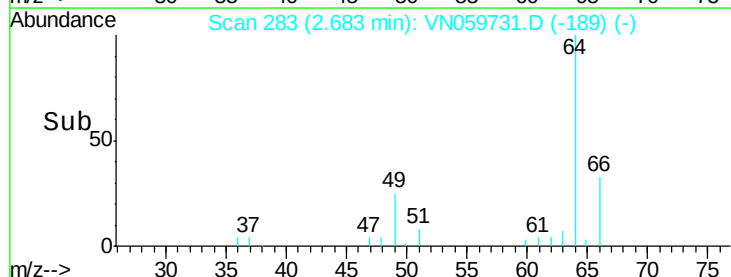
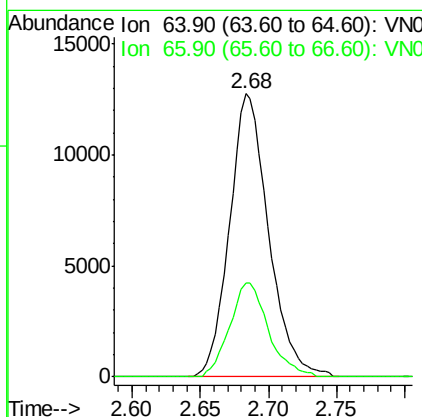
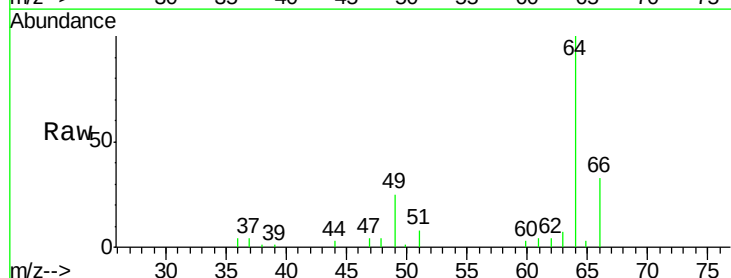
Acq: 16 Jan 2020 14:55

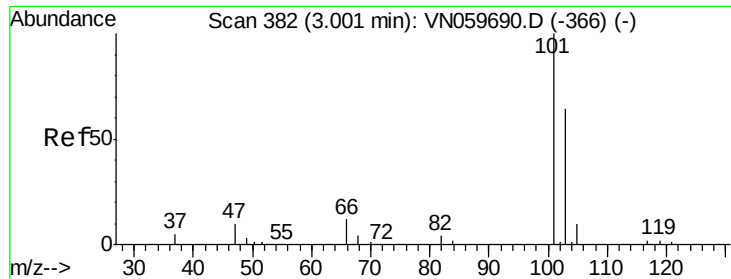
Tgt Ion: 64 Resp: 25382

Ion Ratio Lower Upper

64 100

66 33.4 25.1 37.7





#7

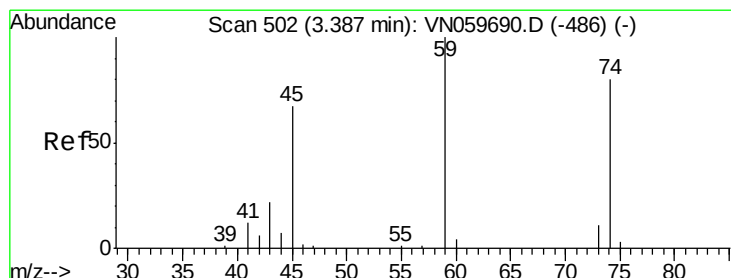
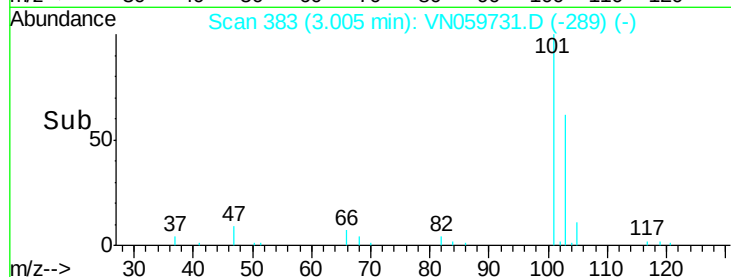
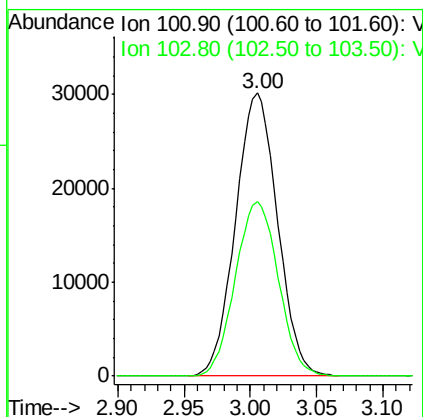
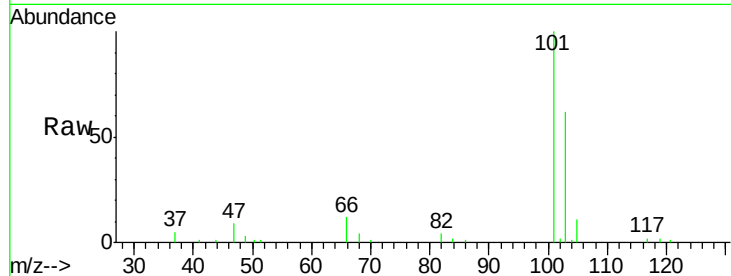
Trichlorofluoromethane
Concen: 21.267 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
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ClientSampleId :
VN0116MBSD01

Tot Ion:101 Resp: 66312
Ion Ratio Lower Upper
101 100
103 61.5 51.0 76.6

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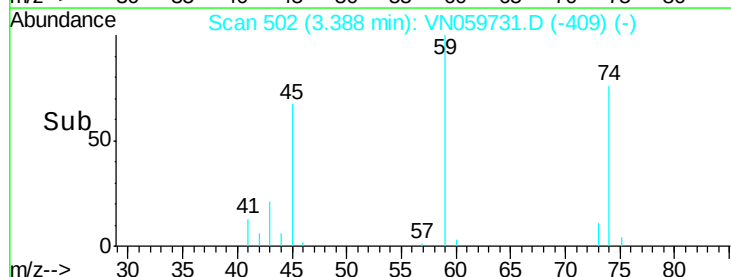
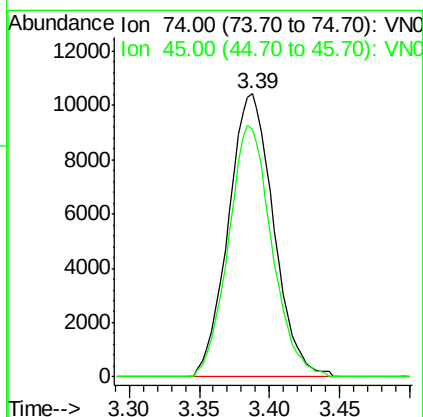
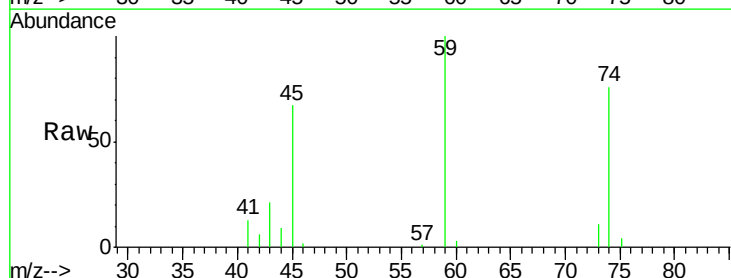
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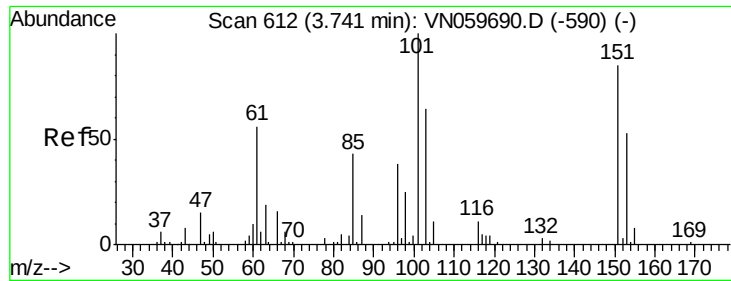


#8

Diethyl Ether
Concen: 21.329 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 74 Resp: 23340
Ion Ratio Lower Upper
74 100
45 85.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.551 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

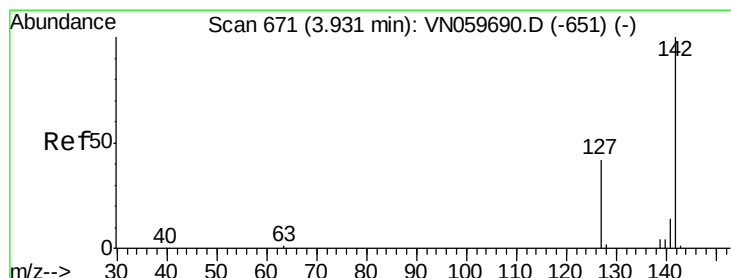
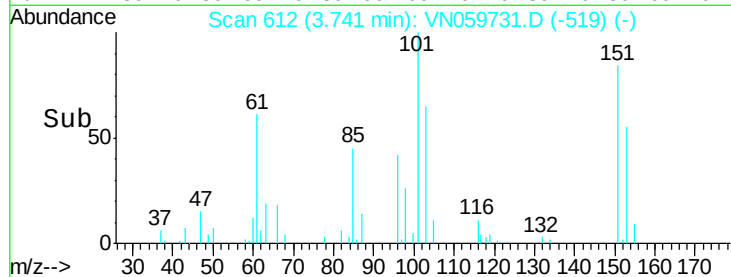
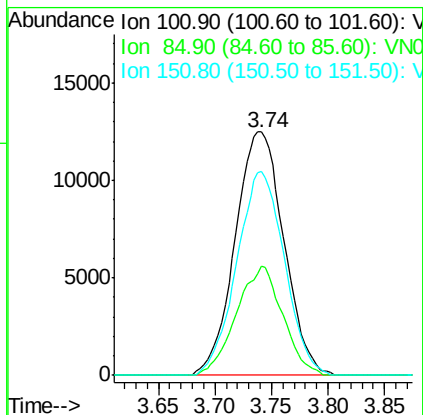
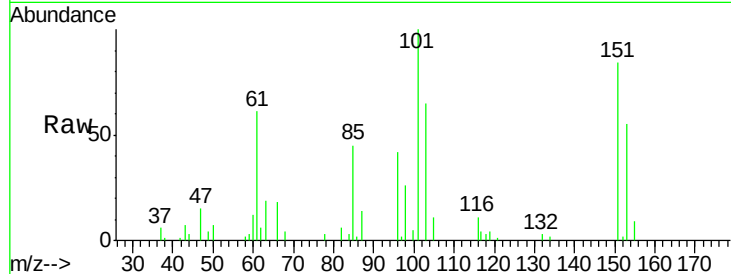
ClientSampleId :

VN0116MBSD01

Tot Ion:	101	Resp:	37400
Ion Ratio	Lower	Upper	
101	100		
85	42.6	36.6	54.8
151	82.0	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.210 ug/l

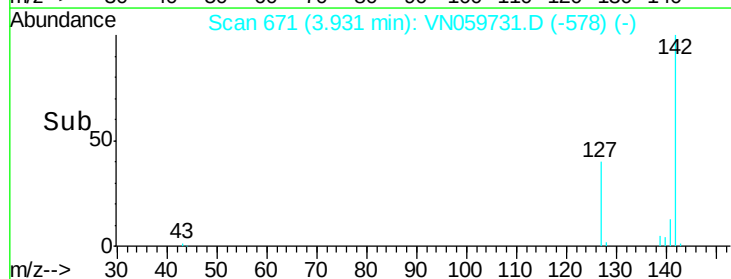
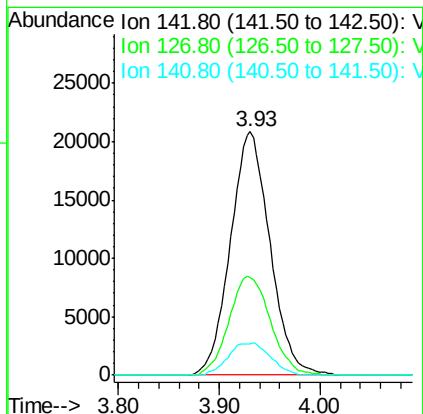
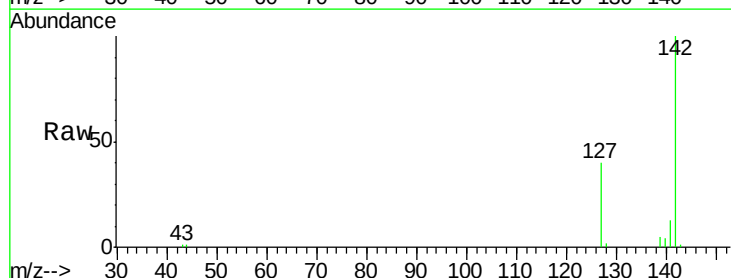
RT: 3.93 min Scan# 671

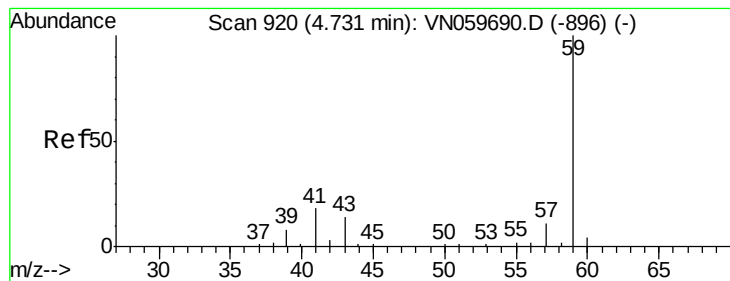
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	142	Resp:	56692
Ion Ratio	Lower	Upper	
142	100		
127	42.5	36.7	55.1
141	14.0	11.7	17.5





#11

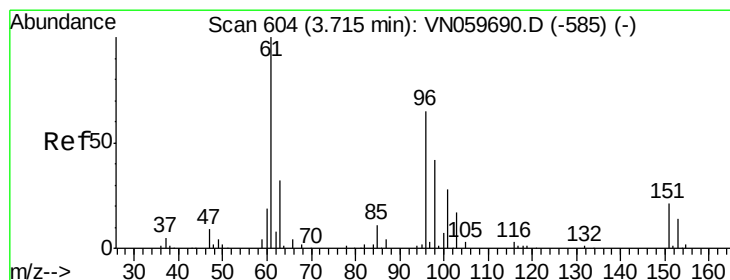
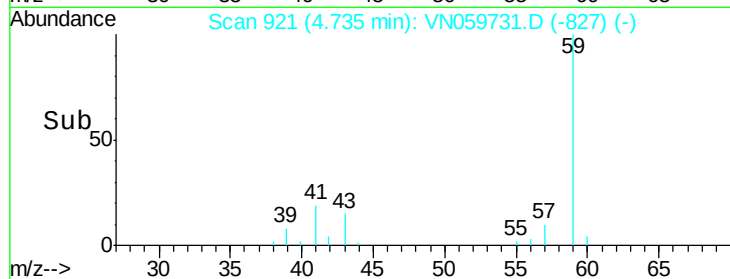
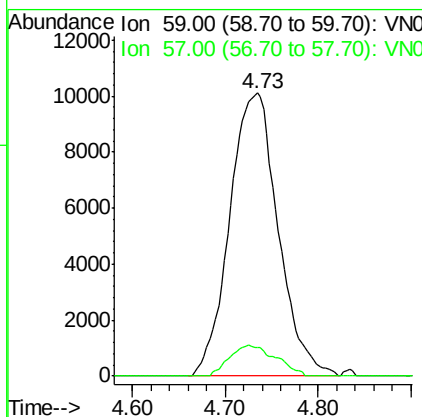
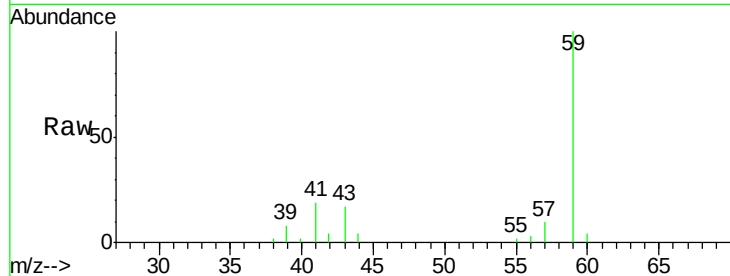
Tert butyl alcohol
 Concen: 98.880 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

Manual Integrations
 APPROVED

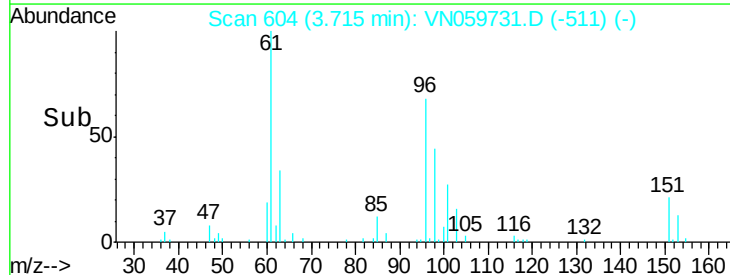
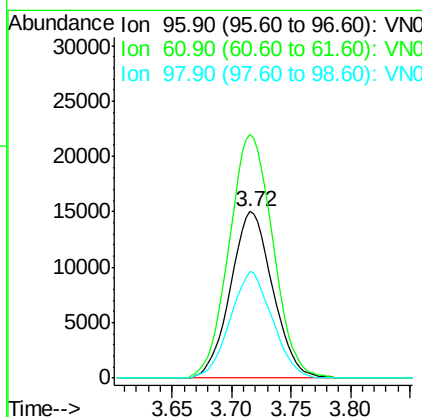
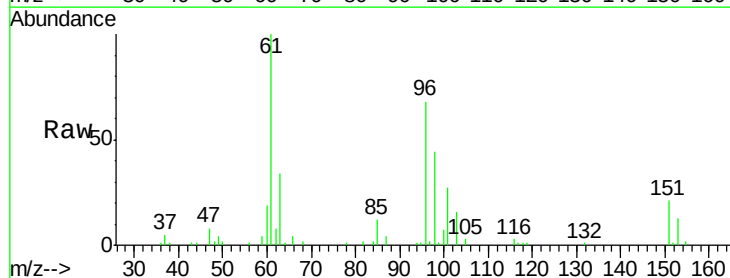
MMDadoda
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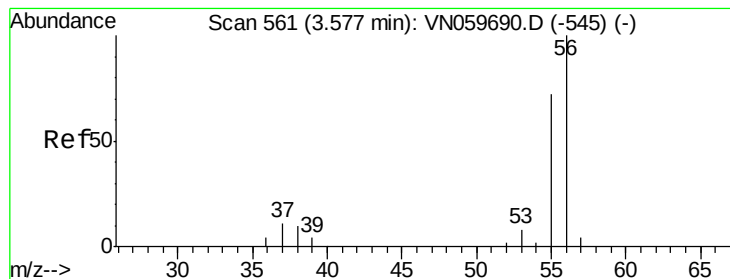


#12

1,1-Dichloroethene
 Concen: 20.384 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.5	137.5	206.3
98	63.8	50.2	75.4





#13

Acrolein

Concen: 80.903 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 56 Resp: 21221

Ion Ratio Lower Upper

56 100

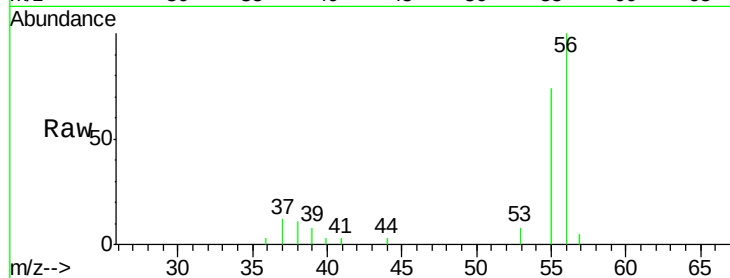
55 72.5 58.6 88.0

Manual Integrations

APPROVED

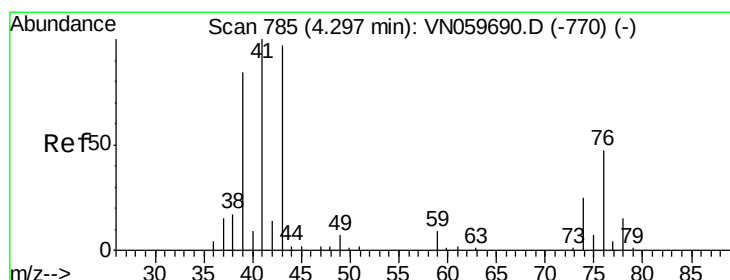
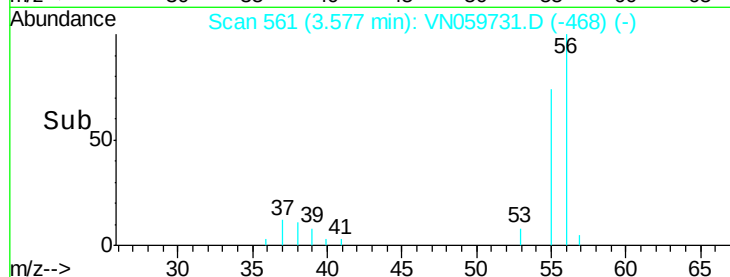
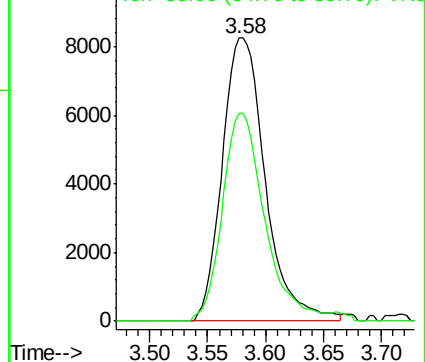
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.270 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

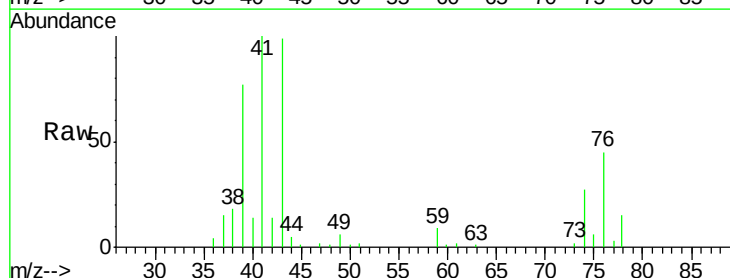
Tgt Ion: 41 Resp: 49545

Ion Ratio Lower Upper

41 100

39 83.1 57.8 86.8

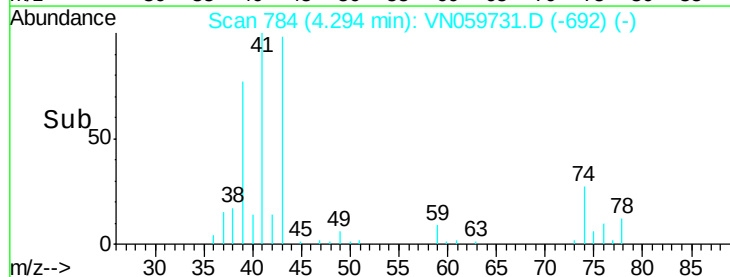
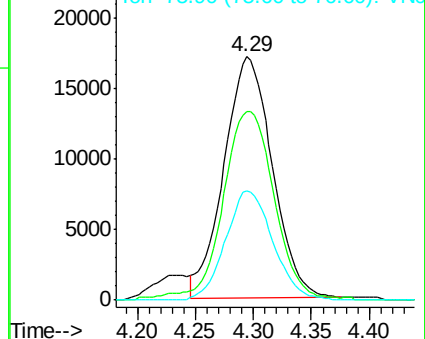
76 44.3 25.4 38.0#

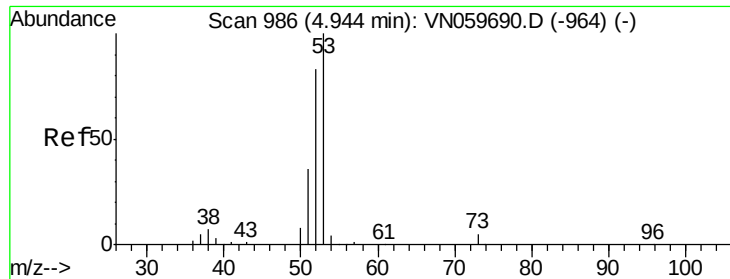


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.321 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

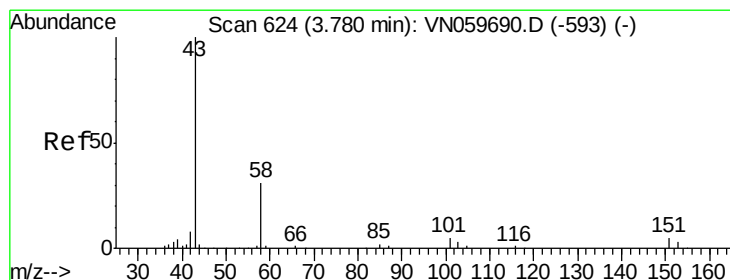
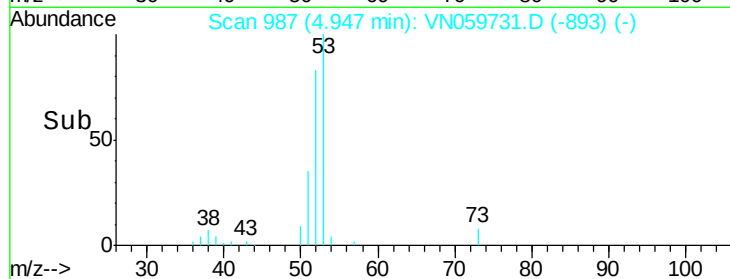
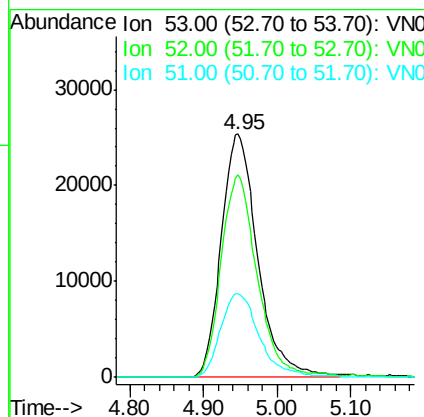
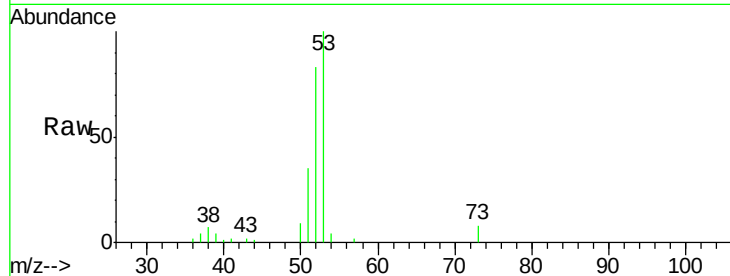
ClientSampleId :

VN0116MBSD01

Tot Ion:	53	Resp:	87332
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.3	99.5
51	36.6	29.7	44.5

Manual Integrations
APPROVED

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#16

Acetone

Concen: 92.544 ug/l

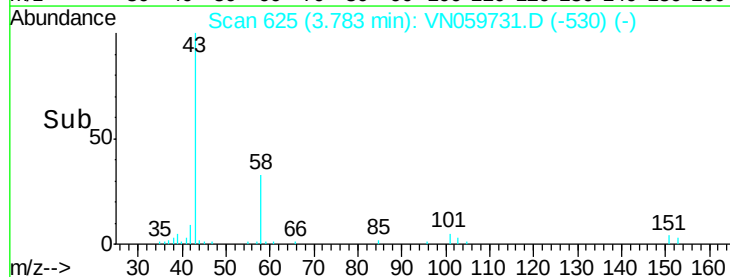
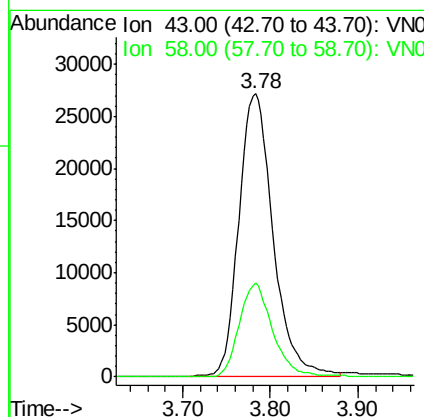
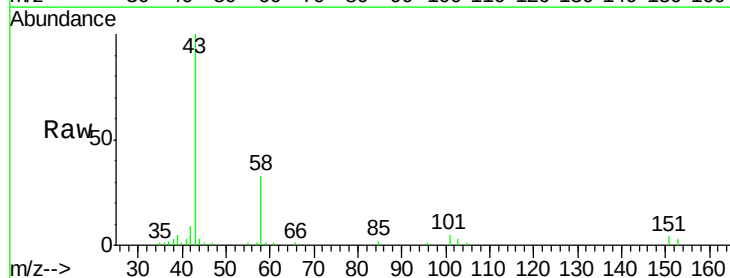
RT: 3.78 min Scan# 625

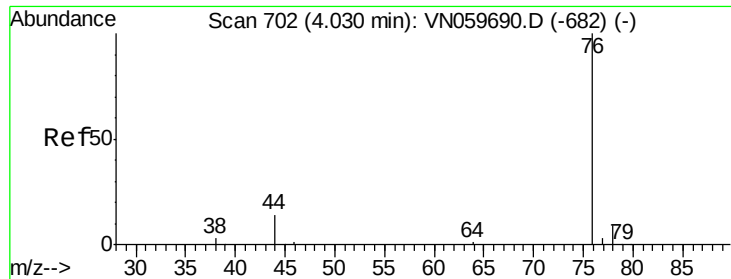
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	43	Resp:	74210
Ion	Ratio	Lower	Upper
43	100		
58	33.2	23.6	35.4





#17

Carbon Disulfide

Concen: 19.582 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 76 Resp: 101156

Ion Ratio Lower Upper

76 100

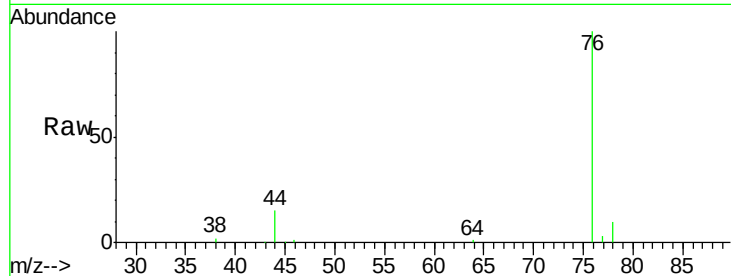
78 9.6 7.4 11.0

Manual Integrations

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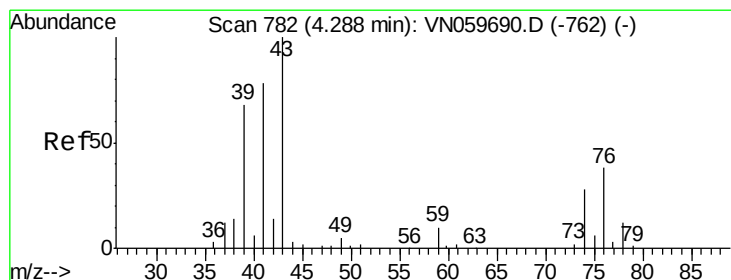
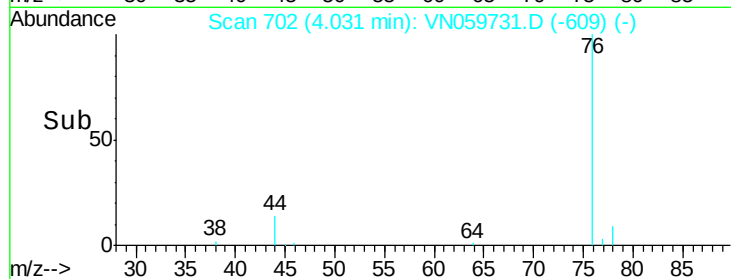
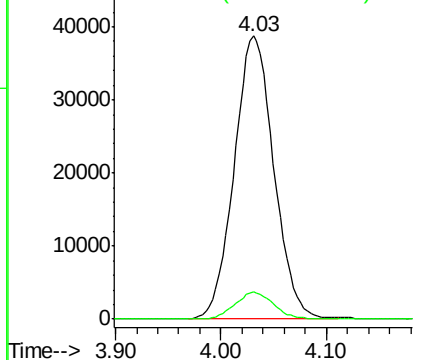
MMDadoda

1/17/2020 1:53:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.231 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059731.D

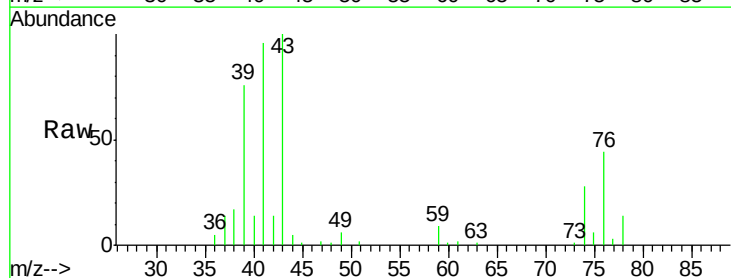
Acq: 16 Jan 2020 14:55

Tgt Ion: 43 Resp: 52016

Ion Ratio Lower Upper

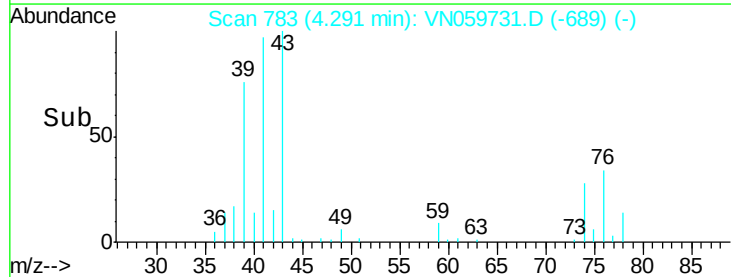
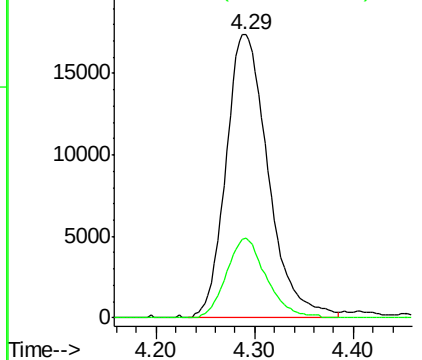
43 100

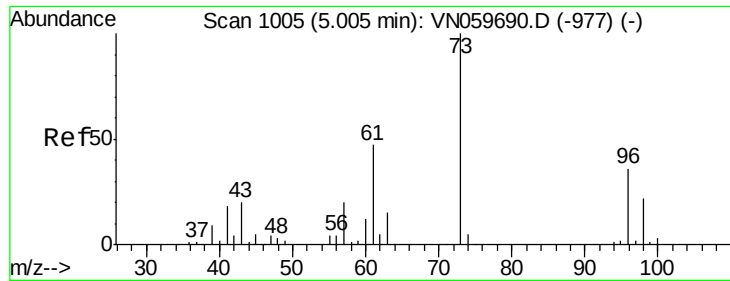
74 26.5 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





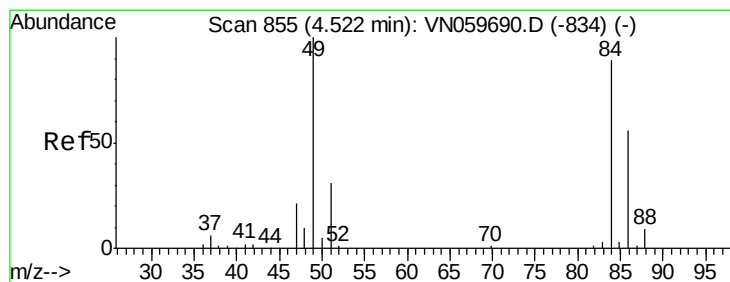
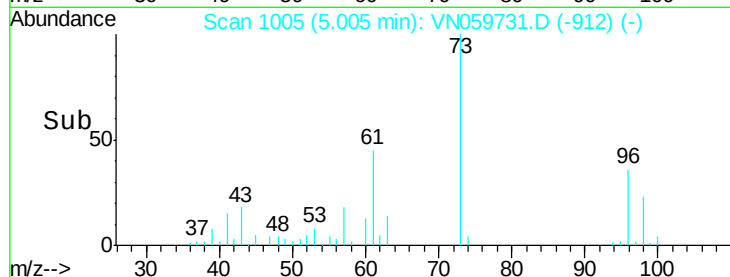
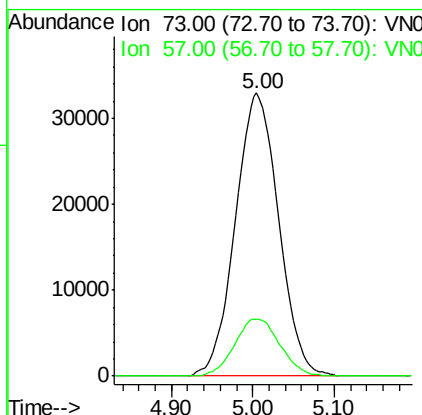
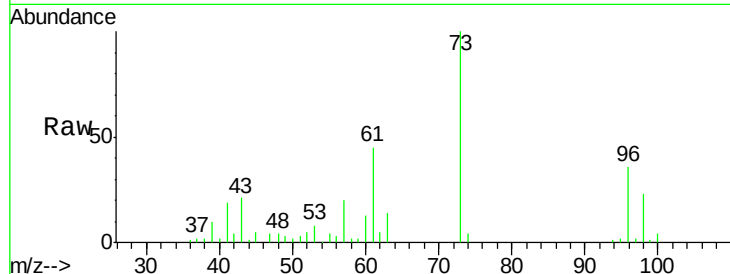
#19
Methvl tert-butvl Ether
Concen: 20.481 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
VN0116MBSD01

Tot Ion: 73 Resp: 121093
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

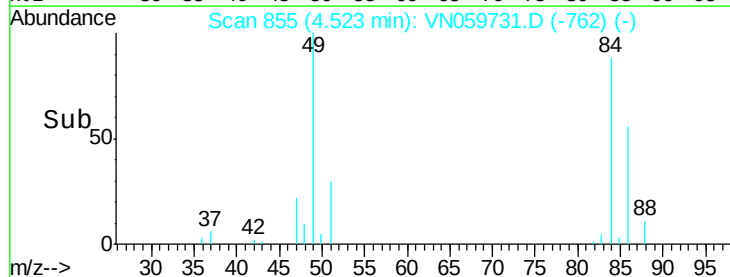
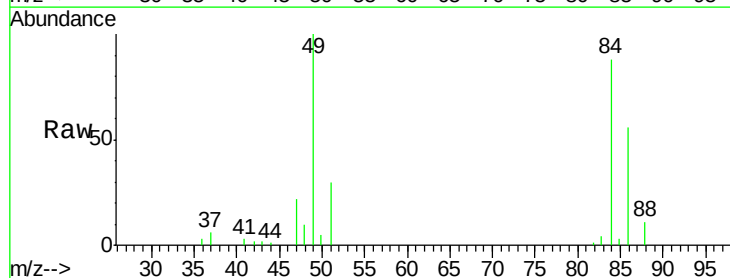
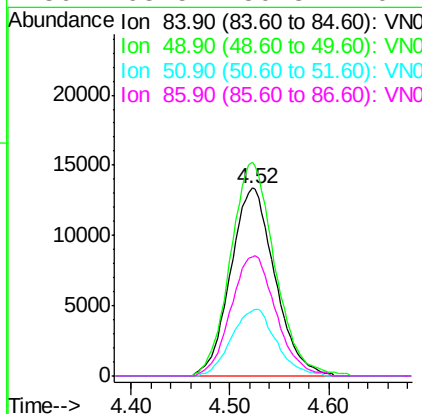
Manual Integrations
APPROVED

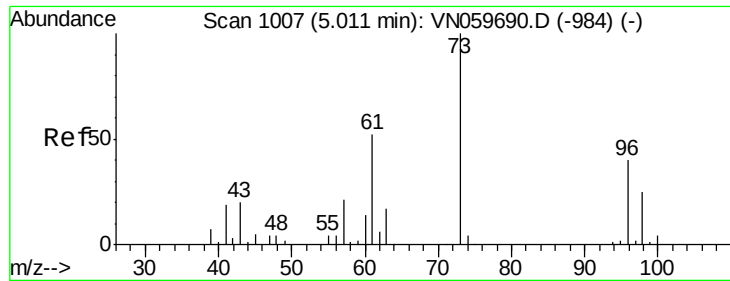
MMDadoda
1/17/2020 1:53:09 PM



#20
Methylene Chloride
Concen: 20.161 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 84 Resp: 41687
Ion Ratio Lower Upper
84 100
49 113.7 106.6 160.0
51 34.5 31.9 47.9
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.460 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 96 Resp: 39438

Ion Ratio Lower Upper

96 100

61 129.6 120.4 180.6

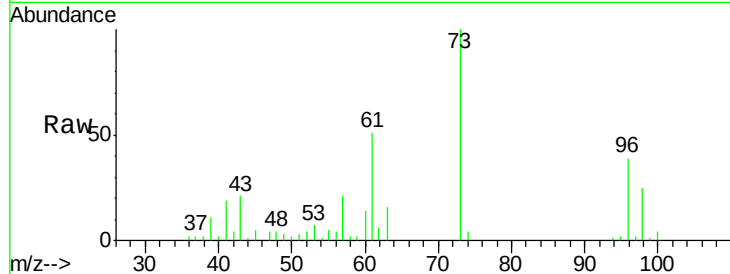
98 62.7 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

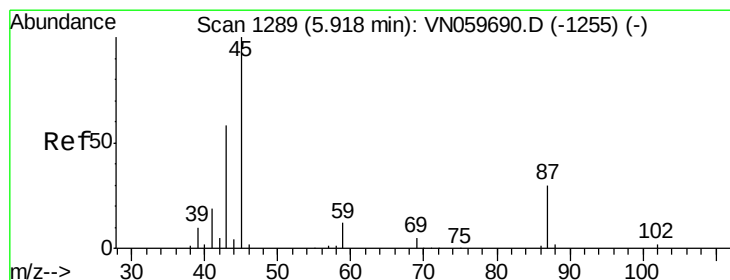
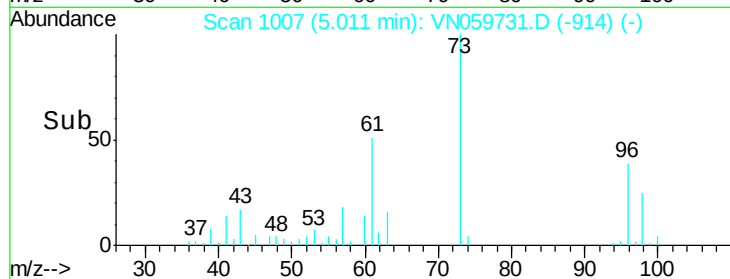
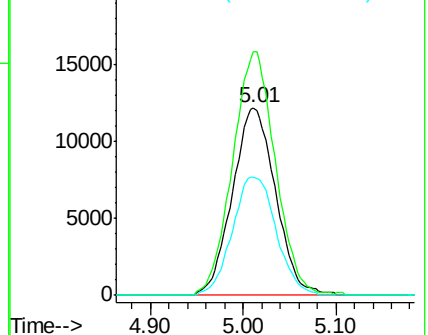
1/17/2020 1:53:09 PM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.263 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion: 45 Resp: 112239

Ion Ratio Lower Upper

45 100

43 66.6 50.8 76.2

87 33.0 21.0 31.6#

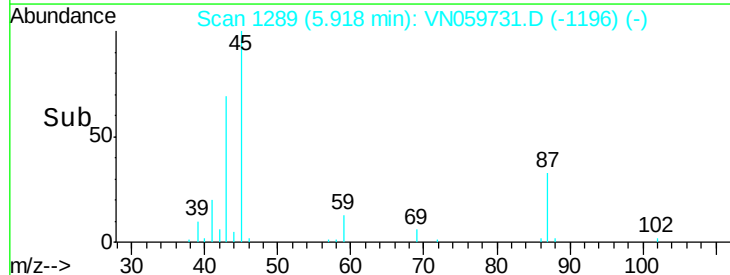
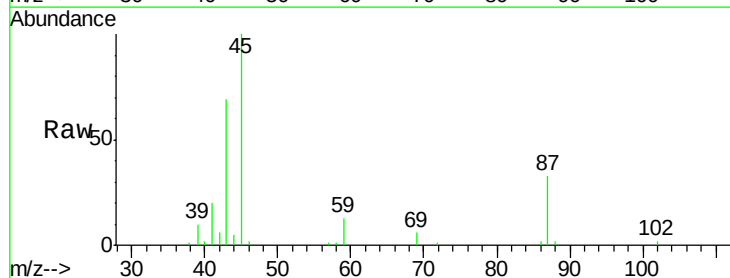
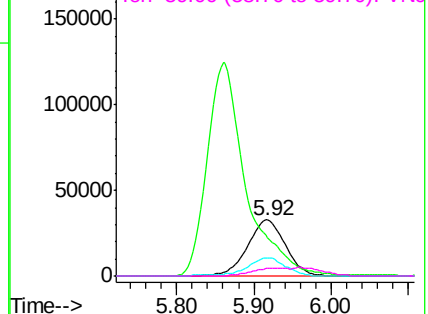
59 13.5 9.1 13.7

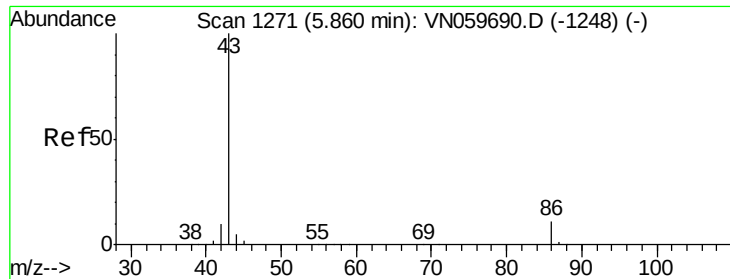
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 101.889 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 43 Resp: 436958

Ion Ratio Lower Upper

43 100

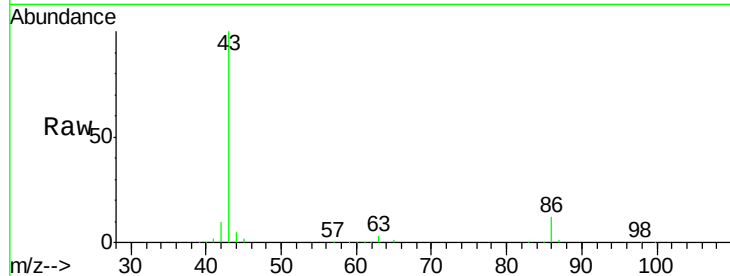
86 11.6 7.6 11.4#

Manual Integrations

APPROVED

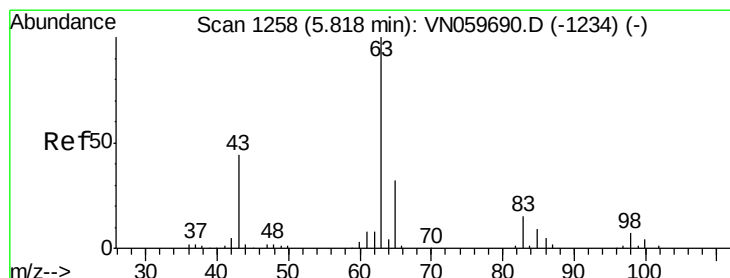
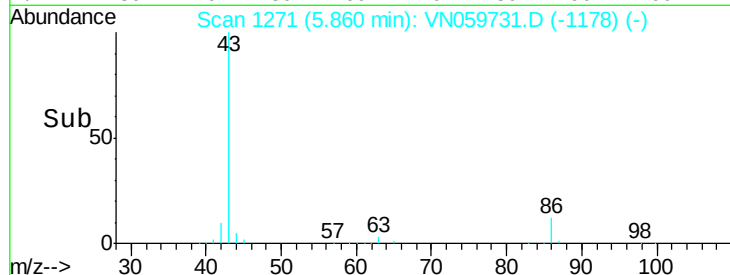
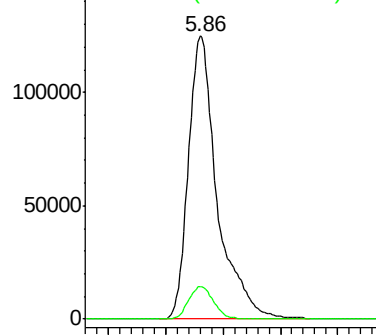
MMDadoda

1/17/2020 1:53:09 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.426 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

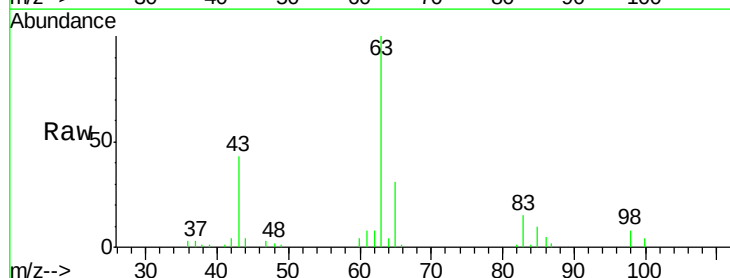
Tgt Ion: 63 Resp: 69133

Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.7

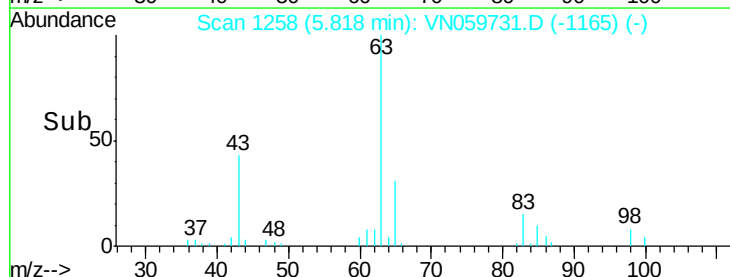
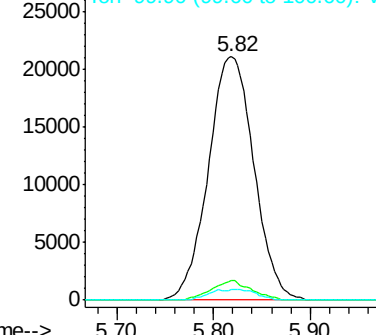
100 4.3 2.0 6.0

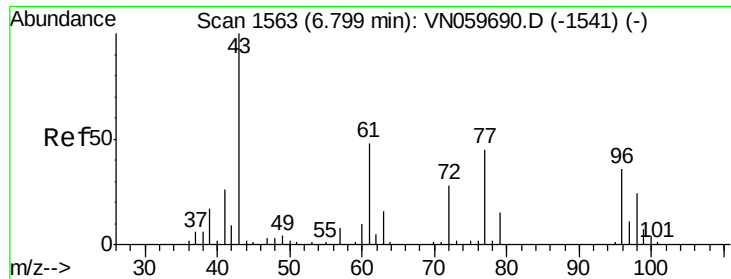


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





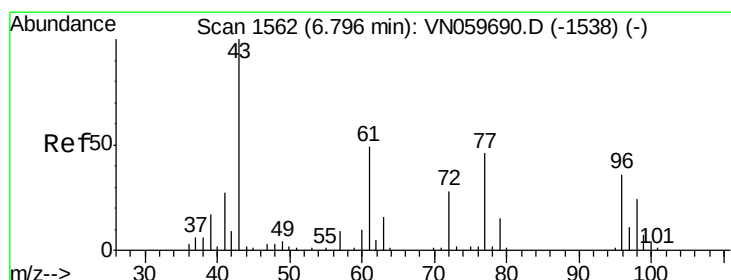
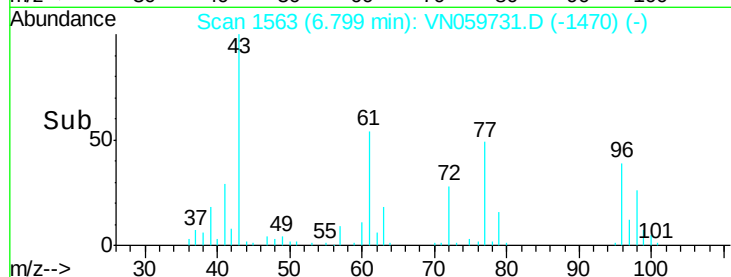
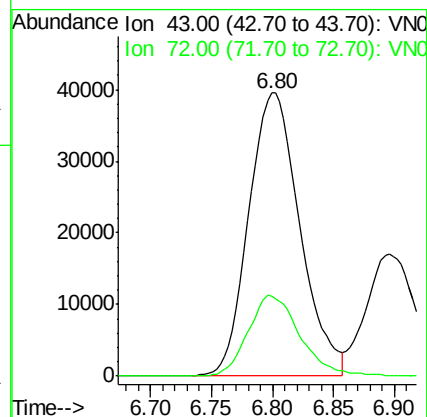
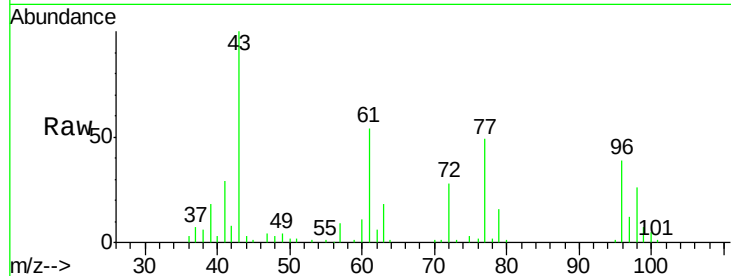
#25
2-Butanone
Concen: 92.256 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion: 43 Resp: 114996
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9

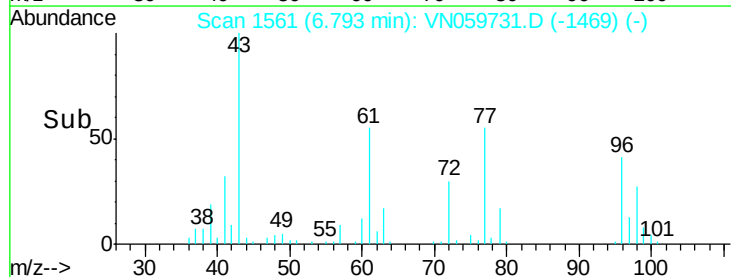
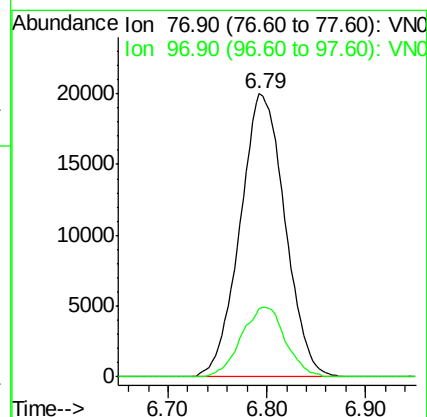
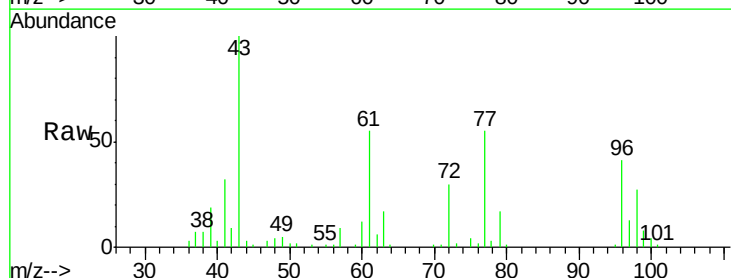
Manual Integrations
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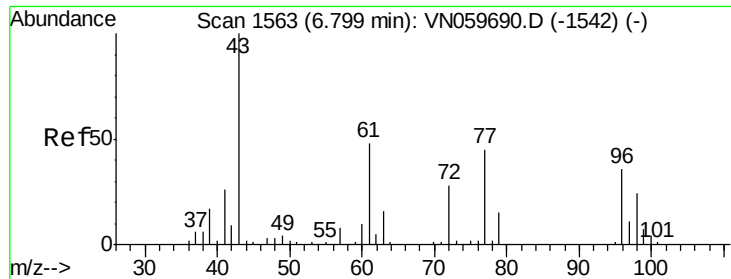
MMDadoda
1/17/2020 1:53:09 PM



#26
2,2-Dichloropropane
Concen: 19.386 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 77 Resp: 63079
Ion Ratio Lower Upper
77 100
97 24.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.584 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 96 Resp: 45636

Ion Ratio Lower Upper

96 100

61 136.4 0.0 317.6

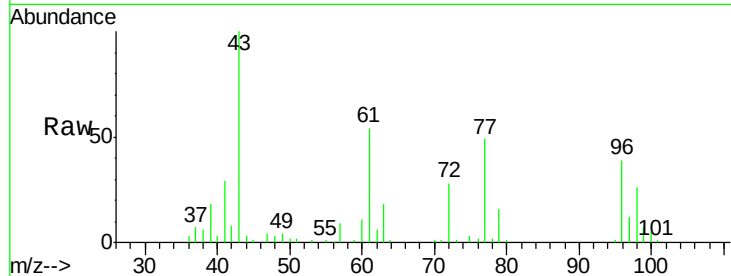
98 66.3 0.0 127.0

Manual Integrations

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MMDadoda

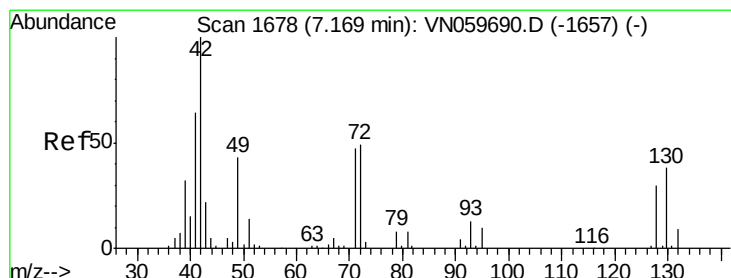
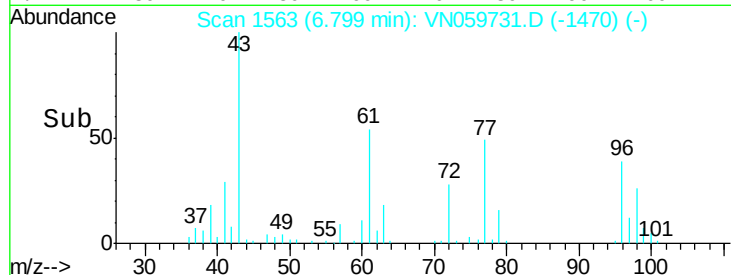
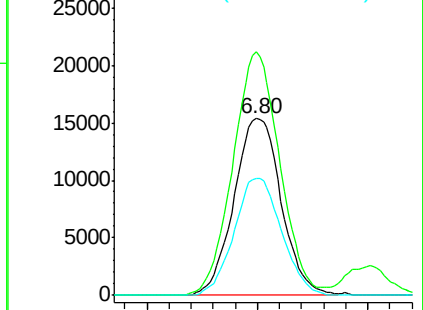
1/17/2020 1:53:09 PM



Abundance Ion 95.90 (95.60 to 96.60): VN059731.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059731.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059731.D (-1470) (-)



#28

Bromochloromethane

Concen: 18.945 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

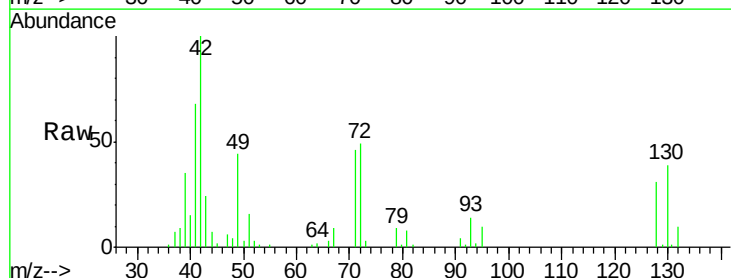
Tgt Ion: 49 Resp: 25628

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.4

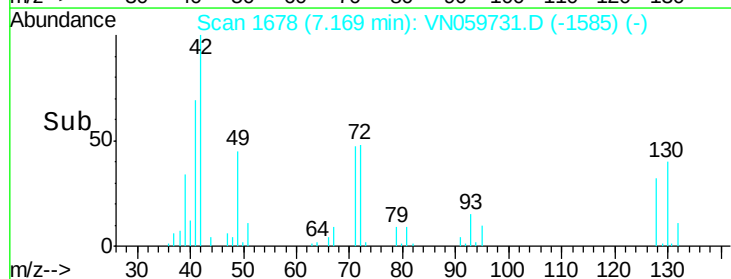
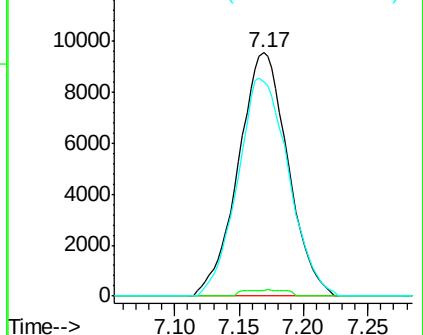
130 91.8 54.7 82.1#

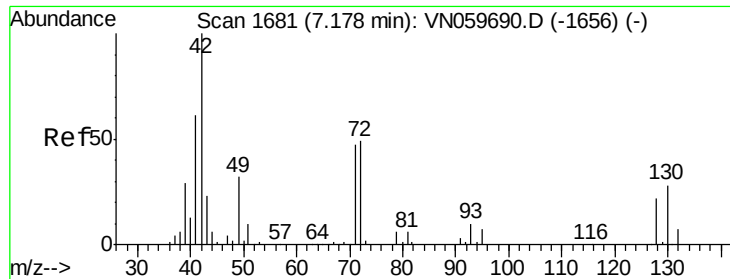


Abundance Ion 48.90 (48.60 to 49.60): VN059731.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059731.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059731.D (-1585) (-)





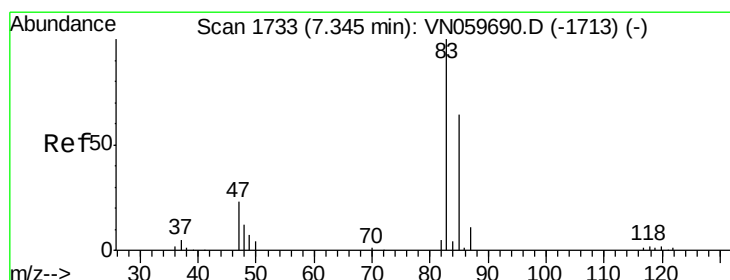
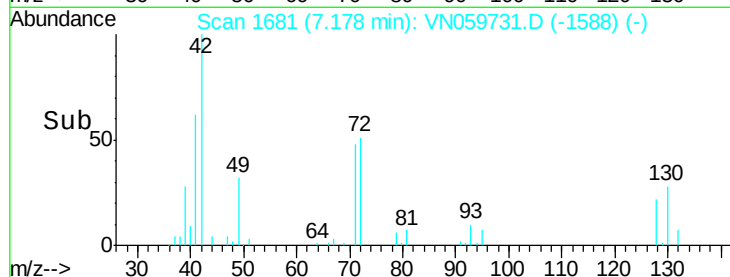
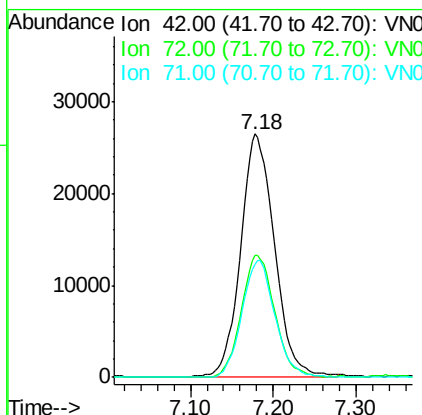
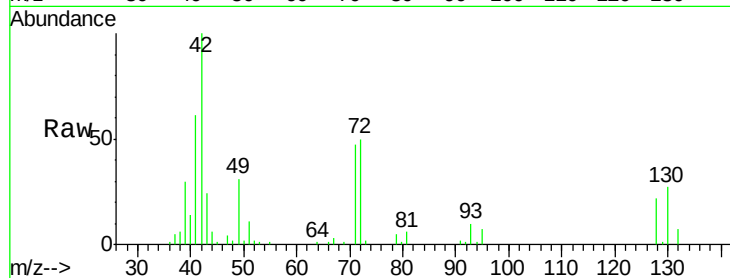
#29
Tetrahydrofuran
Concen: 97.987 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	33.1	49.7
71	46.4	31.4	47.0

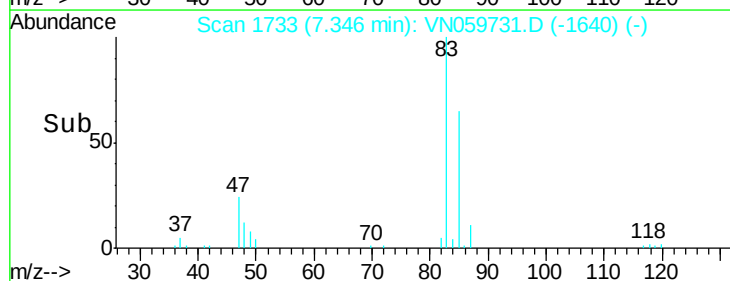
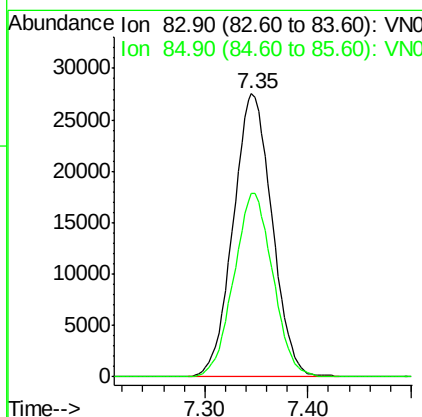
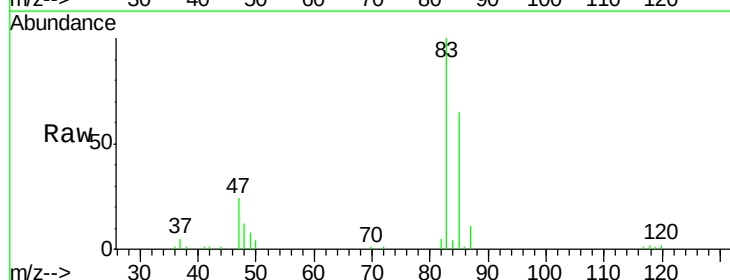
Manual Integrations
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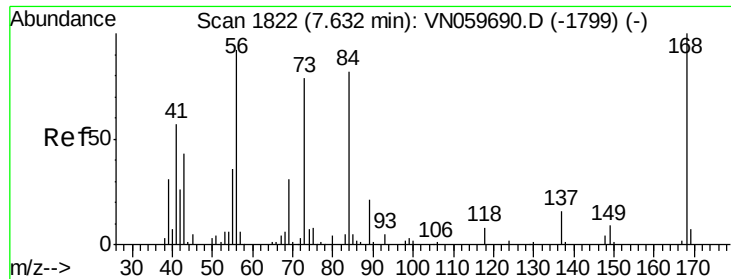
MMDadoda
1/17/2020 1:53:09 PM



#30
Chloroform
Concen: 20.573 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





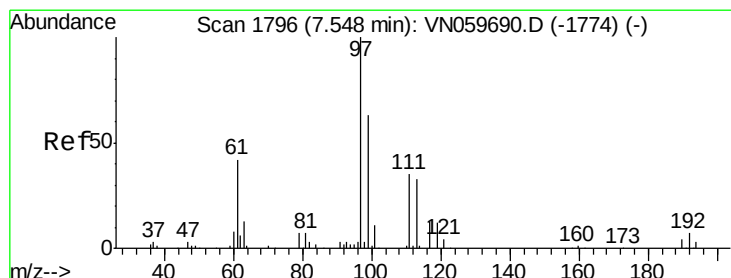
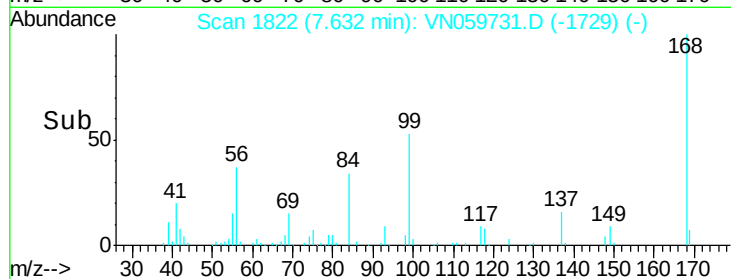
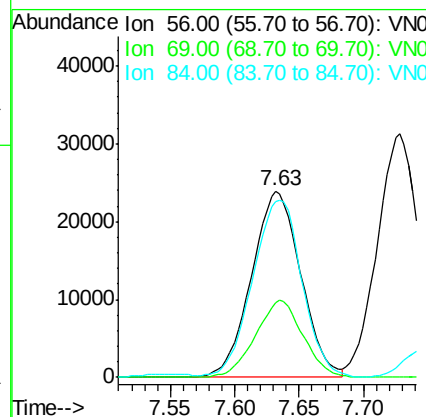
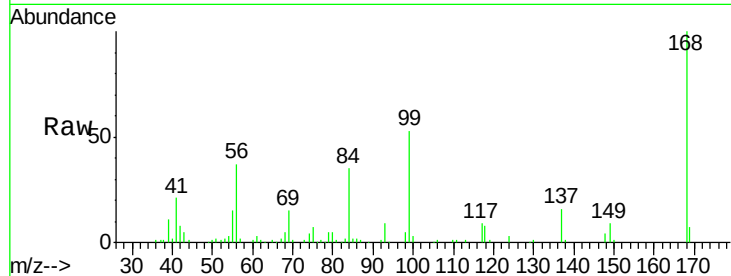
#31
Cyclohexane
Concen: 19.524 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.1	26.5	39.7#
84	93.6	65.3	97.9

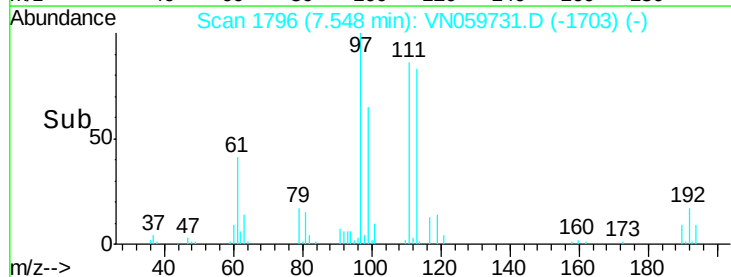
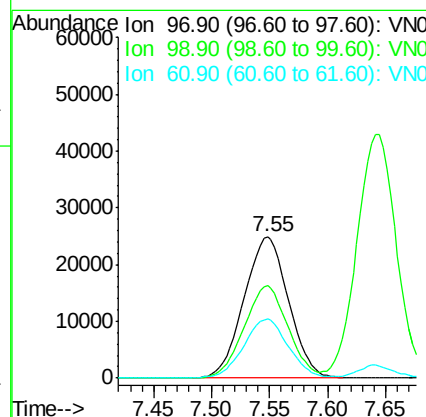
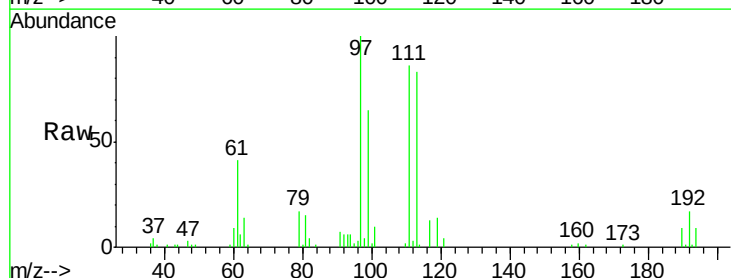
Manual Integrations
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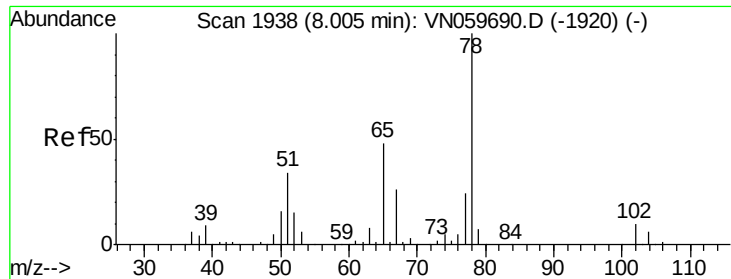
MMDadoda
1/17/2020 1:53:09 PM



#32
1,1,1-Trichloroethane
Concen: 20.462 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	42.0	38.5	57.7





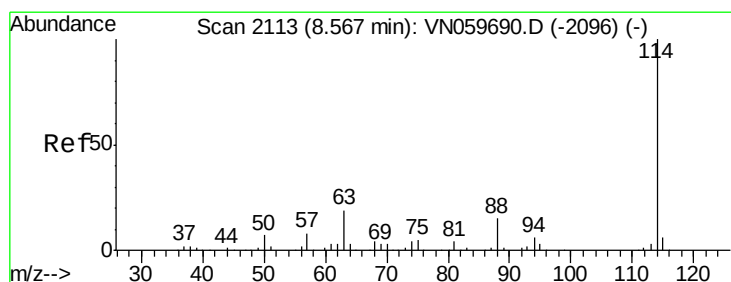
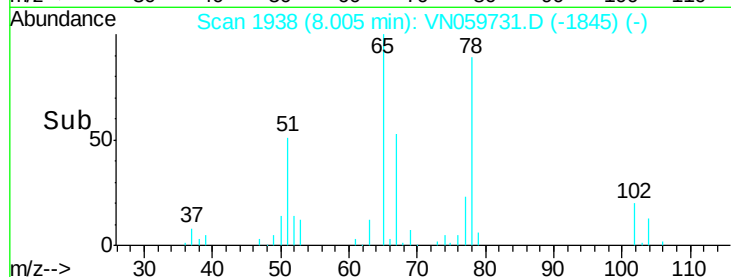
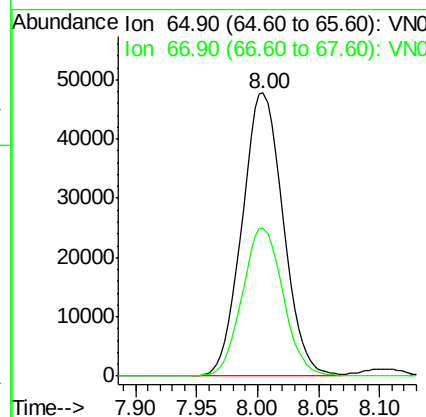
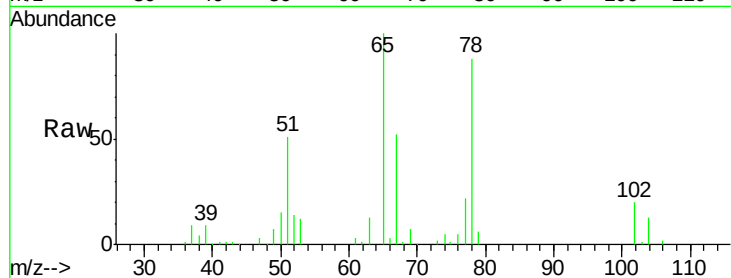
#33
 1,2-Dichloroethane-d4
 Concen: 50.733 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	103.0	

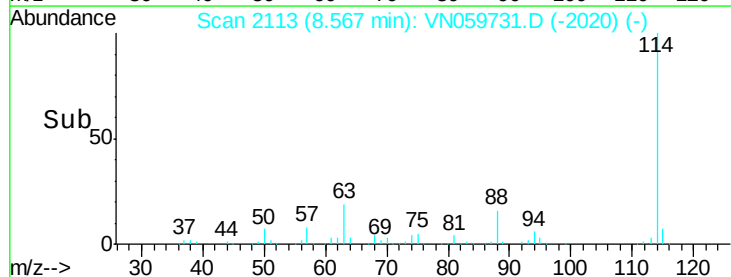
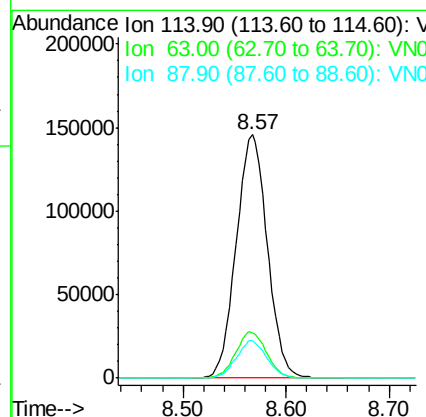
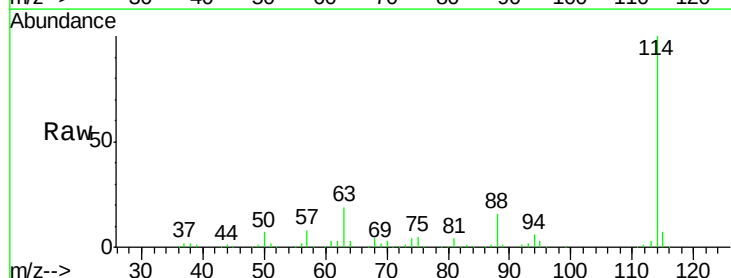
Manual Integrations
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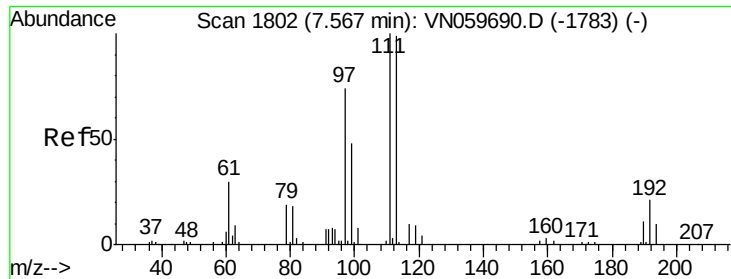
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	15.6	0.0	31.4	





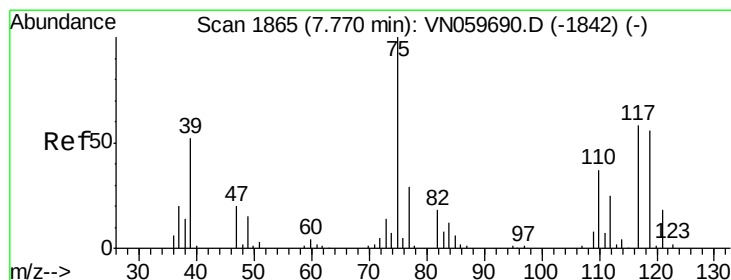
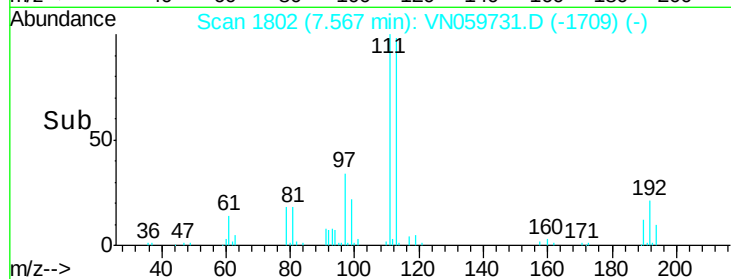
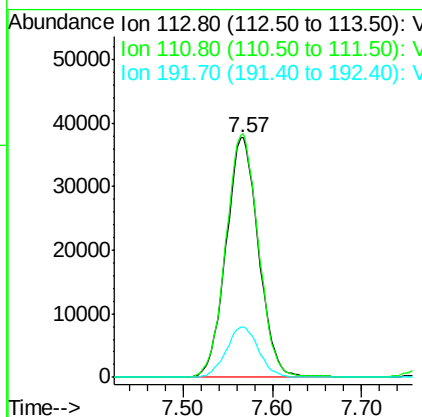
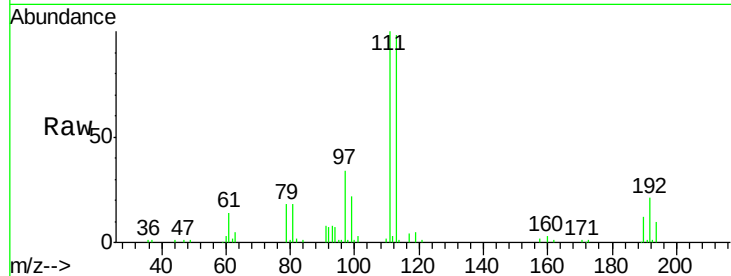
#35
 Dibromofluoromethane
 Concen: 52.164 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.5	125.3
192	20.9	15.4	23.2

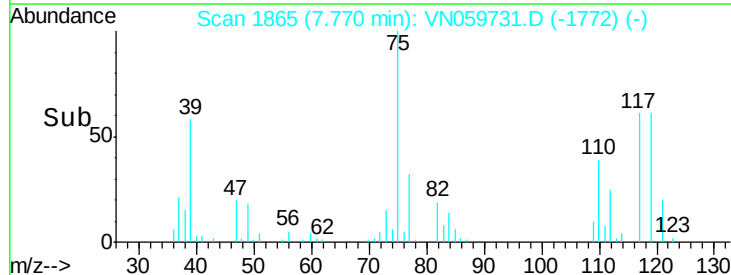
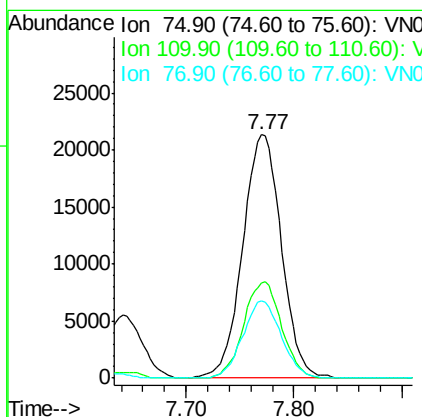
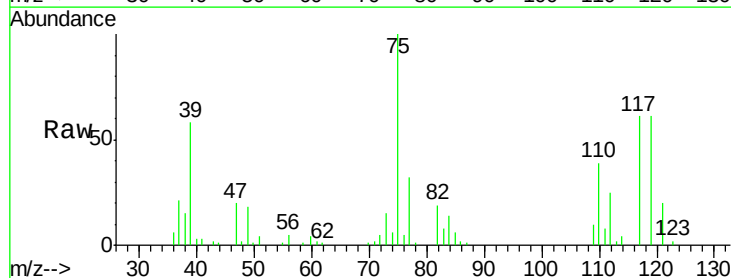
Manual Integrations
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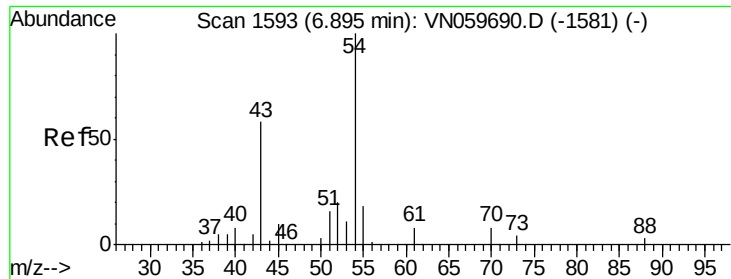
MMDadoda
 1/17/2020 1:53:09 PM



#36
 1,1-Dichloropropene
 Concen: 19.951 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	16.6	49.7
77	31.5	25.1	37.7





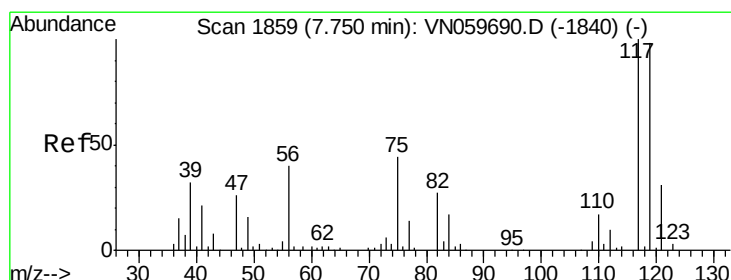
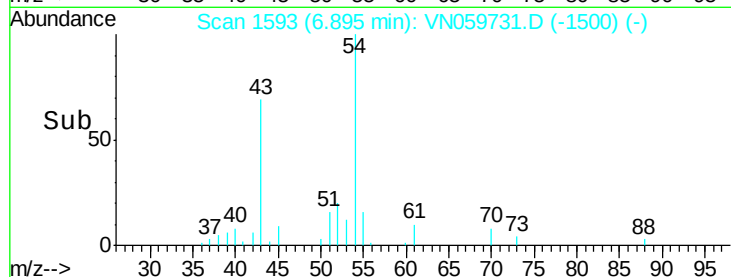
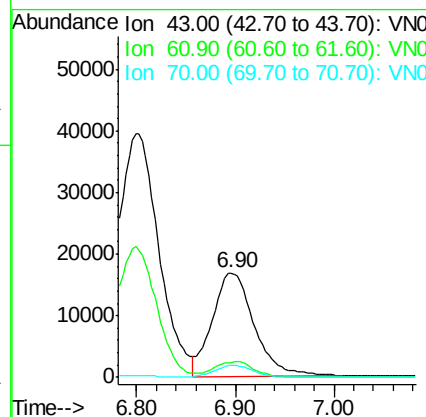
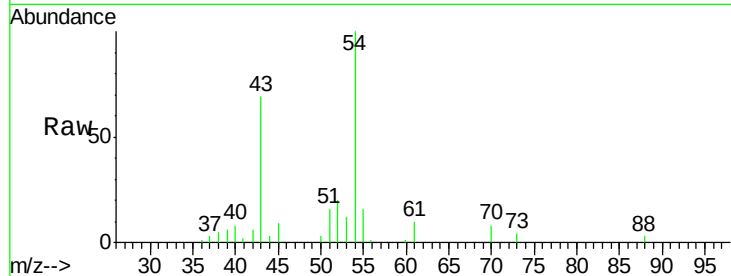
#37
Ethyl Acetate
Concen: 19.837 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion: 43 Resp: 49576
Ion Ratio Lower Upper
43 100
61 14.6 10.9 16.3
70 10.7 7.7 11.5

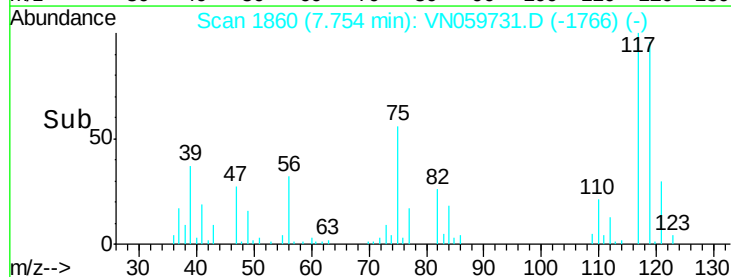
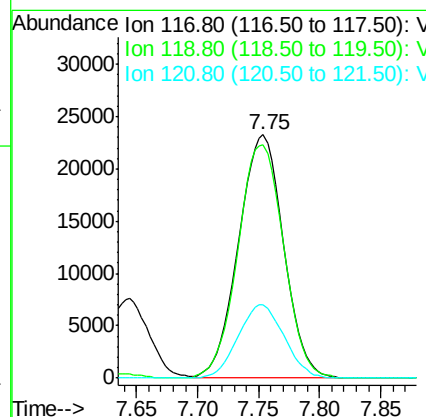
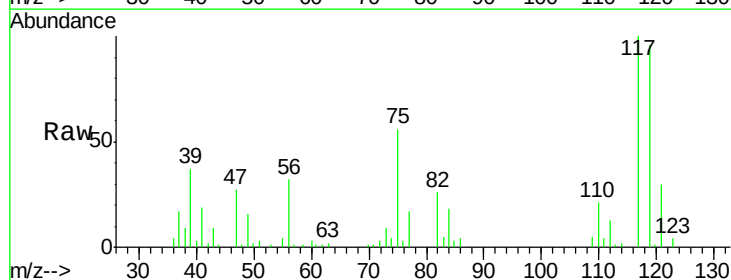
Manual Integrations
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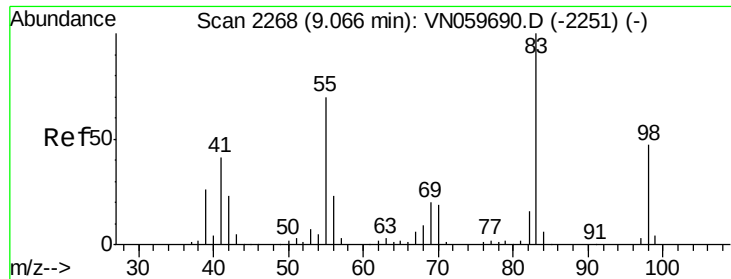
MMDadoda
1/17/2020 1:53:09 PM



#38
Carbon Tetrachloride
Concen: 20.524 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 117 Resp: 59490
Ion Ratio Lower Upper
117 100
119 95.8 76.5 114.7
121 30.2 25.1 37.7





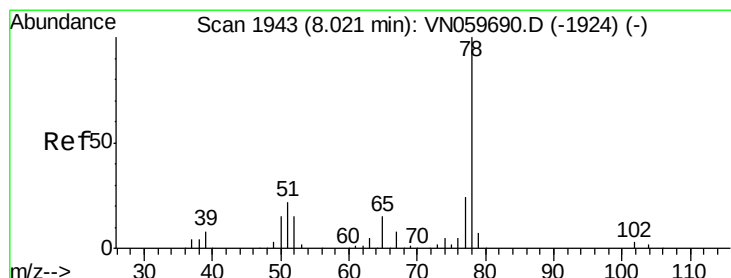
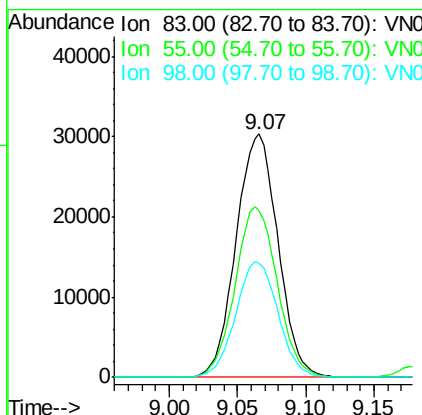
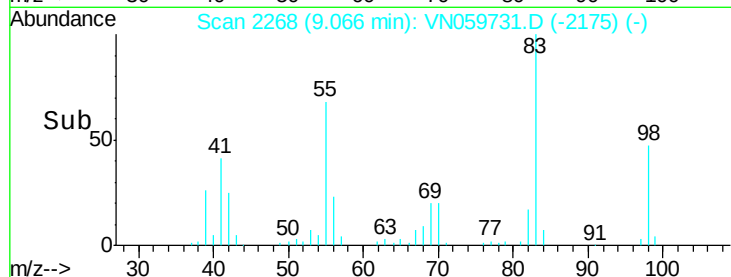
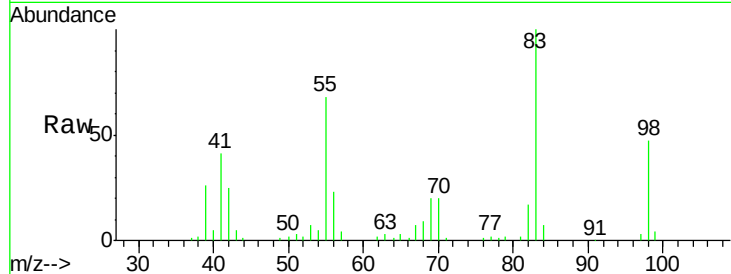
#39
Methylvlcyclohexane
Concen: 19.683 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.3	64.2	96.2
98	46.9	35.9	53.9

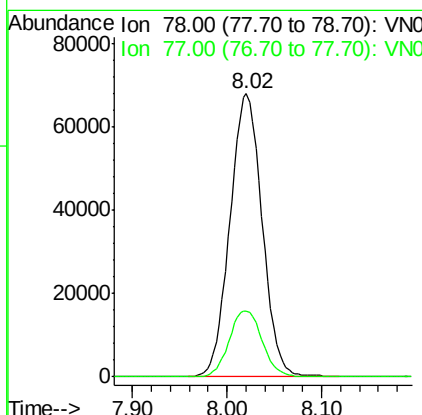
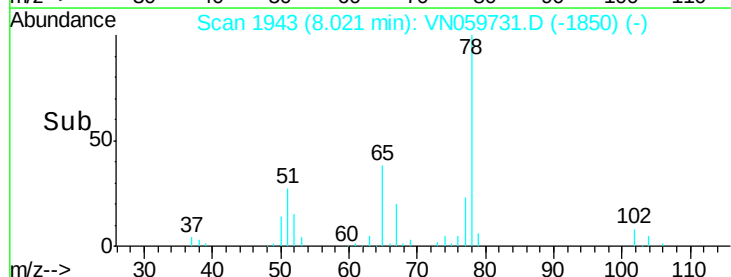
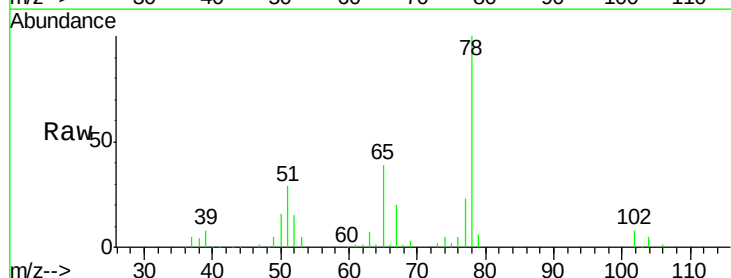
Manual Integrations
APPROVED

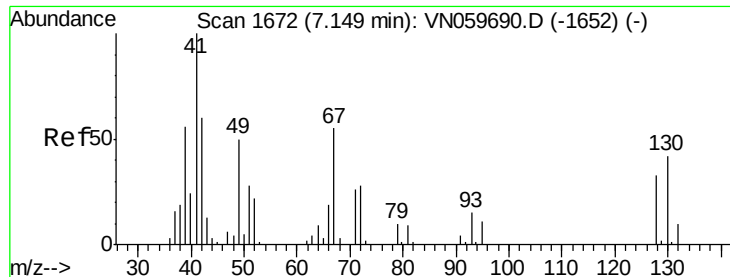
MMDadoda
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#40
Benzene
Concen: 20.220 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





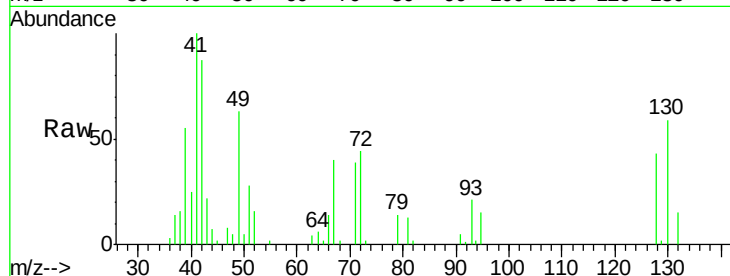
#41
Methacrylonitrile
Concen: 20.879 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

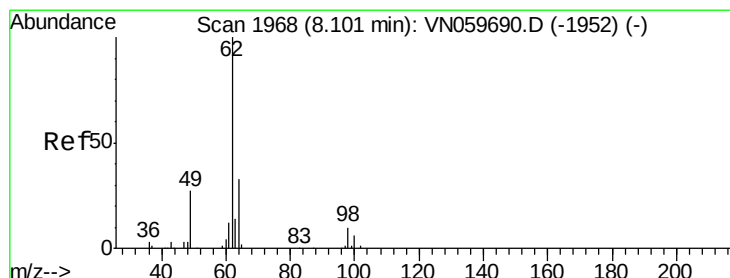
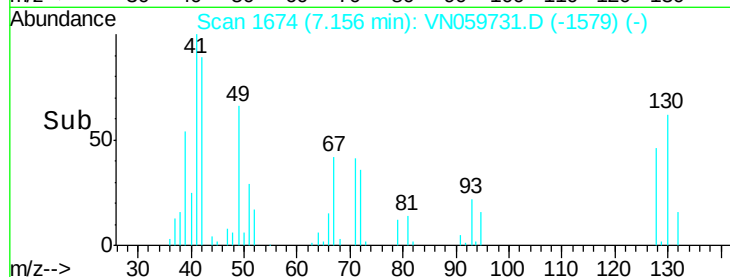
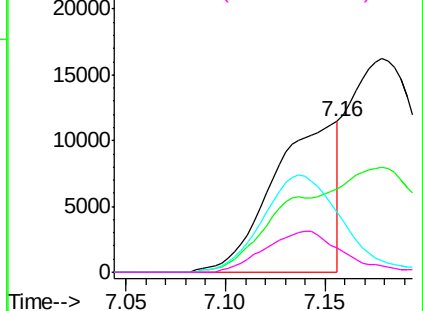
Tot Ion	41	Resp	25702
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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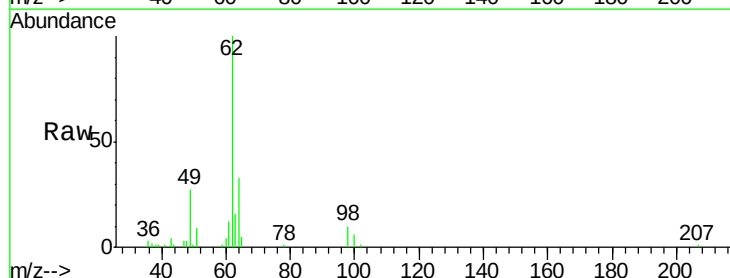


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

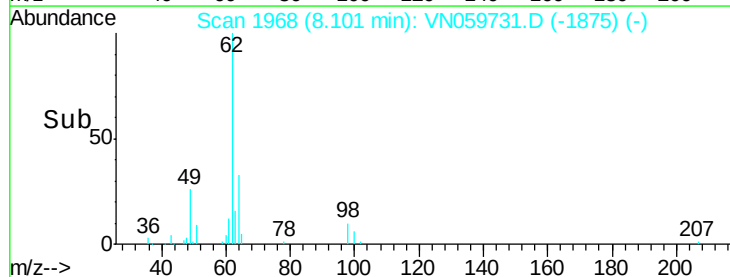
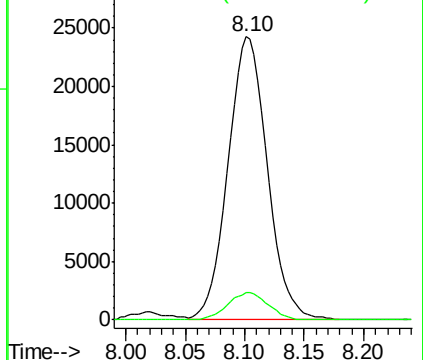


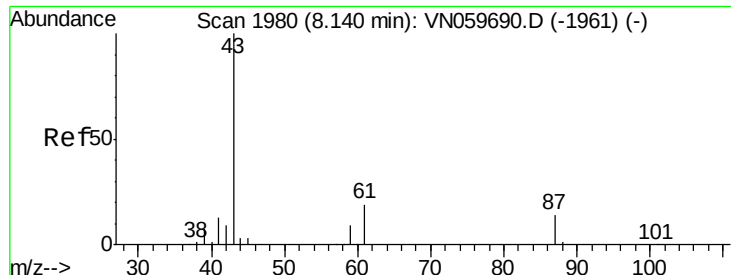
#42
1,2-Dichloroethane
Concen: 20.635 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	62	Resp	55598
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.572 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

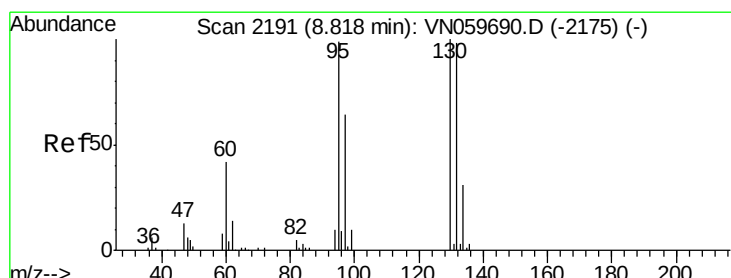
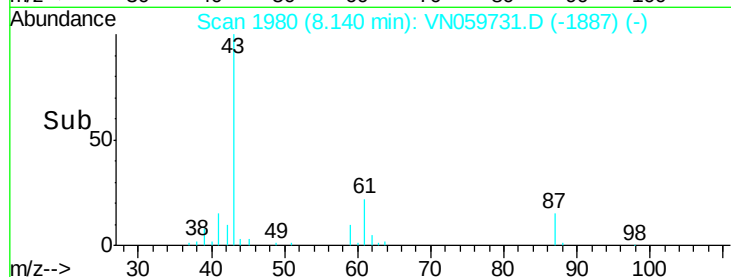
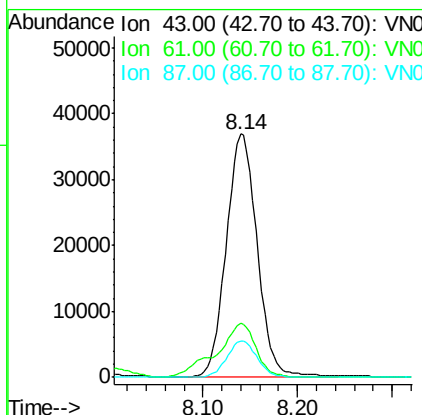
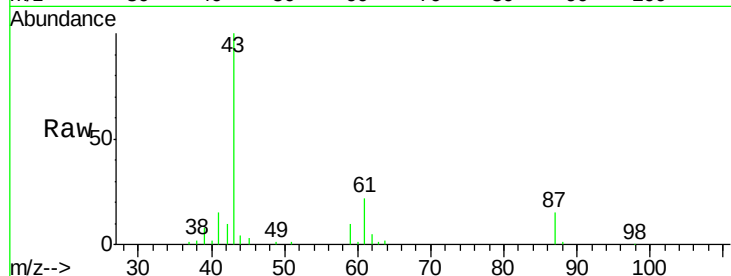
ClientSampleId :

VN0116MBSD01

Tot Ion:	43	Resp:	84131
Ion Ratio	Lower	Upper	
43	100		
61	28.1	20.2	30.2
87	14.6	9.5	14.3#

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1/17/2020 1:53:09 PM



#44

Trichloroethene

Concen: 21.206 ug/l

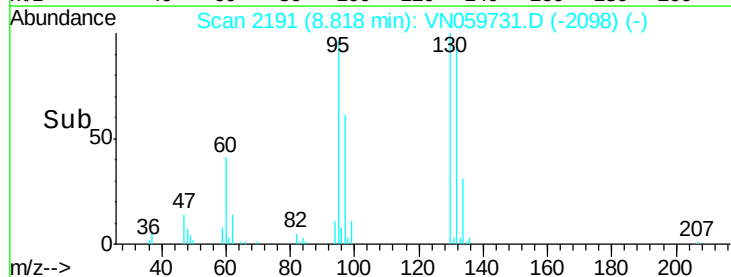
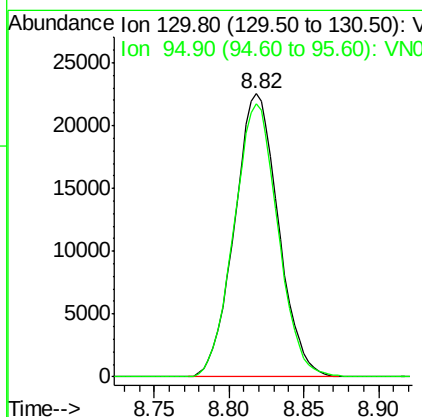
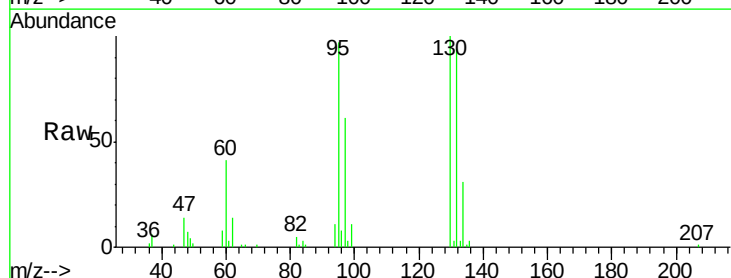
RT: 8.82 min Scan# 2191

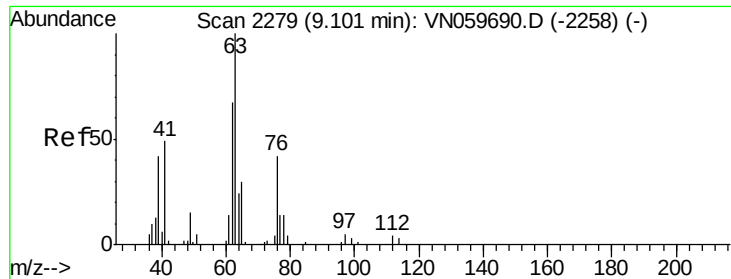
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	130	Resp:	46003
Ion Ratio	Lower	Upper	
130	100		
95	96.6	0.0	207.0





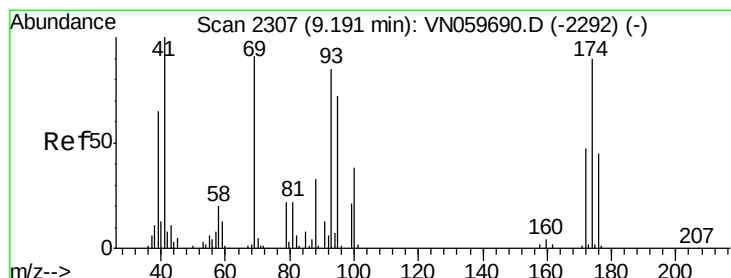
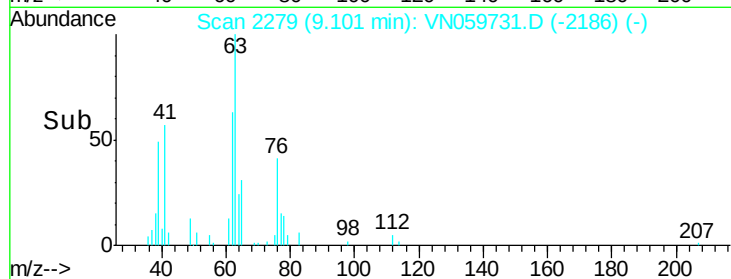
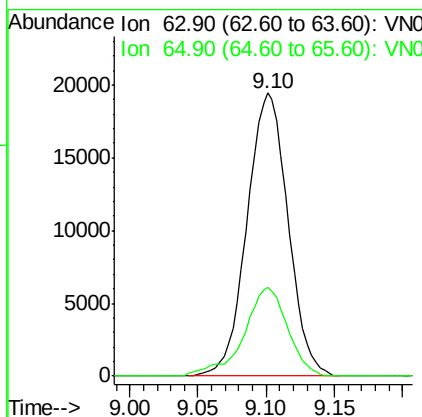
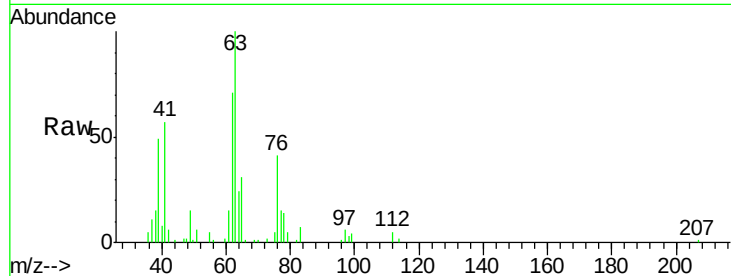
#45
 1,2-Dichloropropane
 Concen: 20.676 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion: 63 Resp: 40658
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.9 37.3

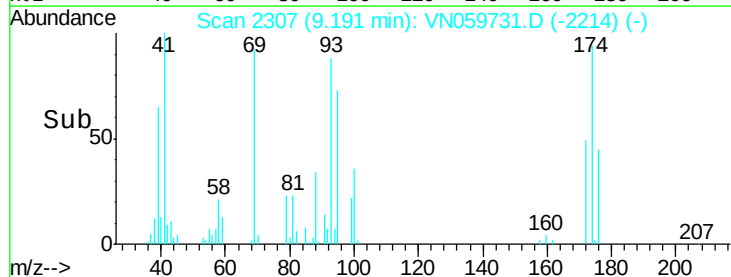
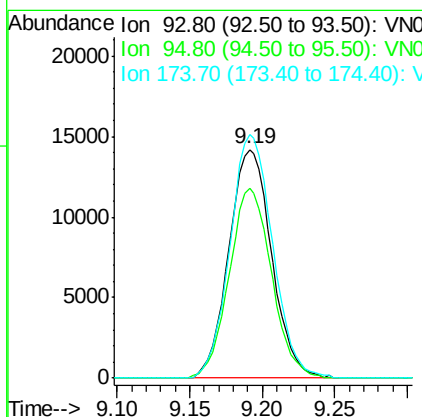
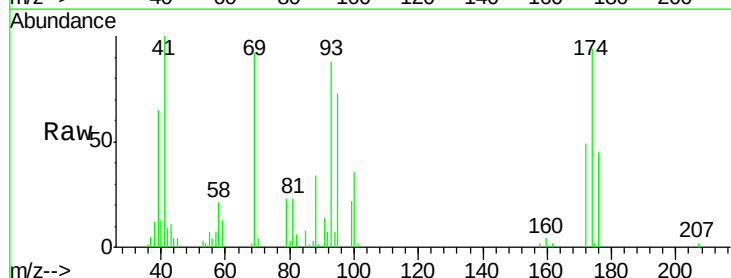
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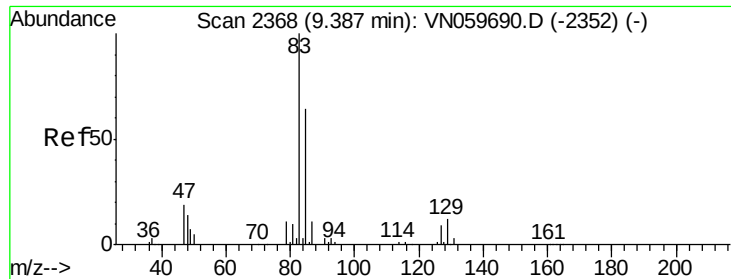
MMDadoda
 1/17/2020 1:53:09 PM



#46
 Dibromomethane
 Concen: 20.990 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion: 93 Resp: 29116
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.0 100.6
 174 106.3 73.4 110.2





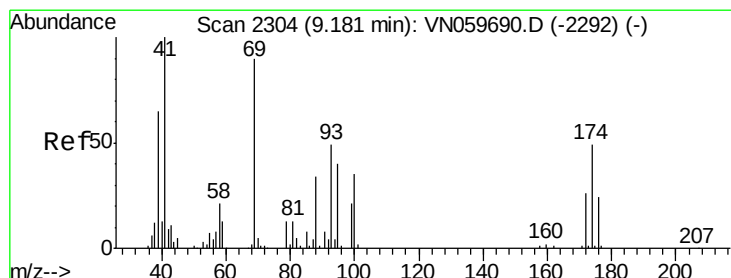
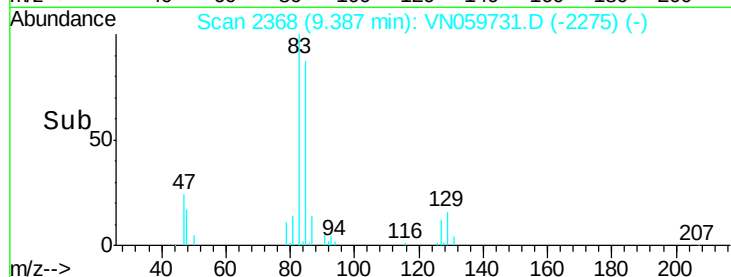
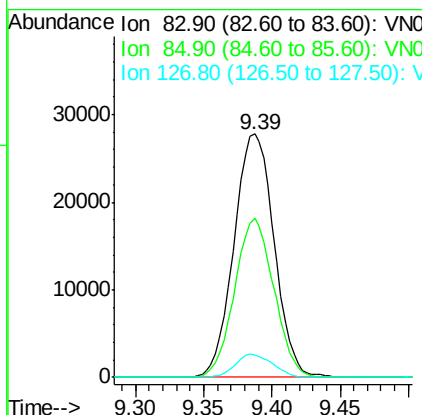
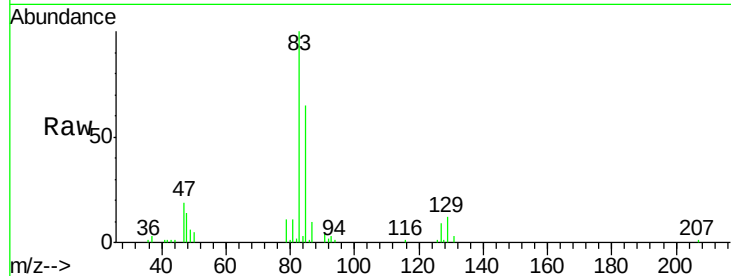
#47
Bromodichloromethane
Concen: 20.354 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.1	76.7
127	9.3	6.6	9.8

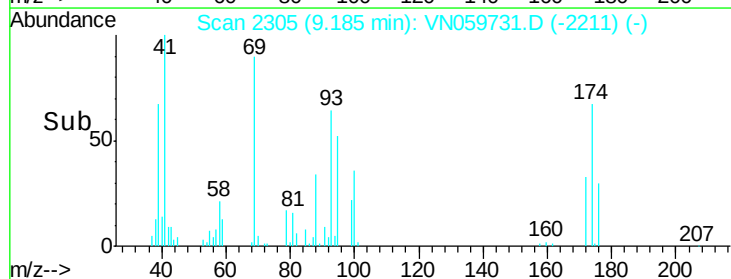
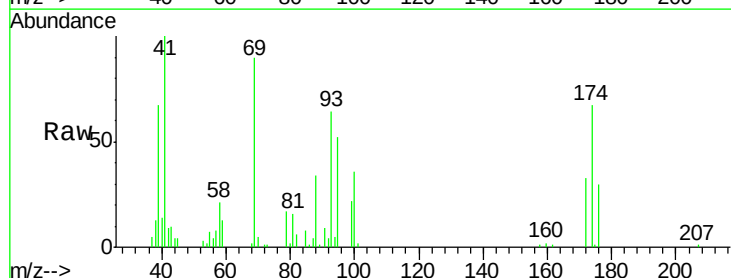
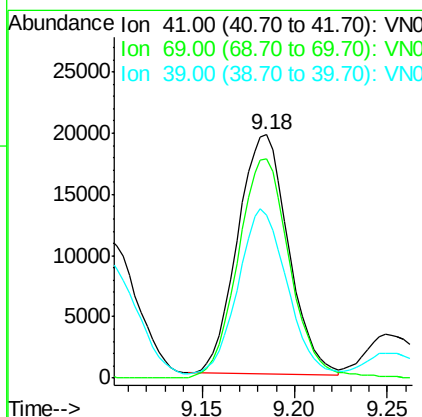
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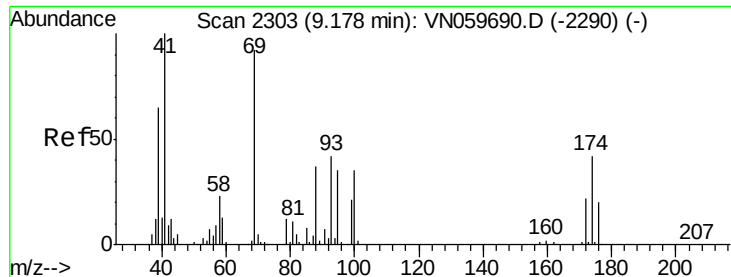
MMDadoda
1/17/2020 1:53:09 PM



#48
Methyl methacrylate
Concen: 19.388 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	93.3	64.4	96.6
39	68.9	51.3	76.9





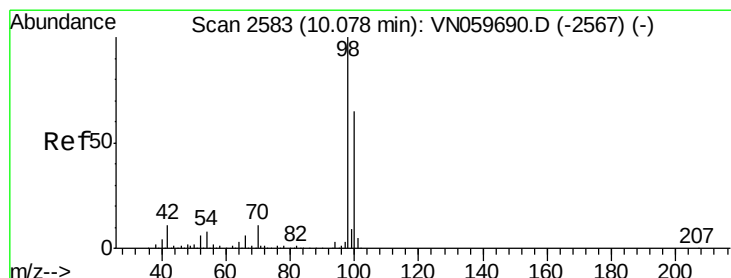
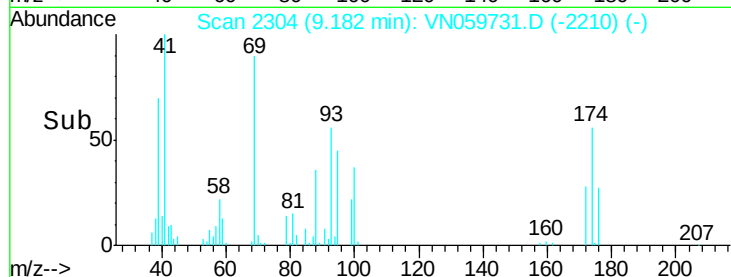
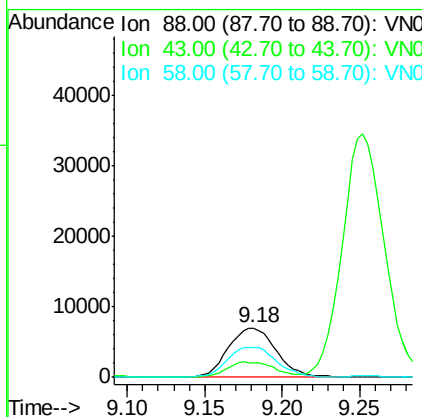
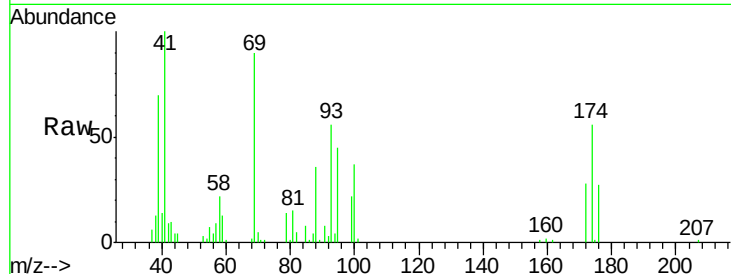
#49
1,4-Dioxane
Concen: 429.387 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	88	Resp	15114
Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.7	44.5
58	62.9	56.6	85.0

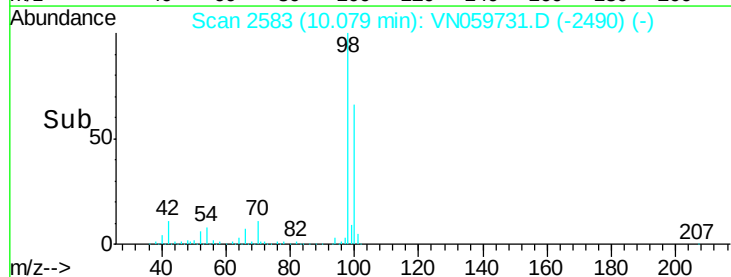
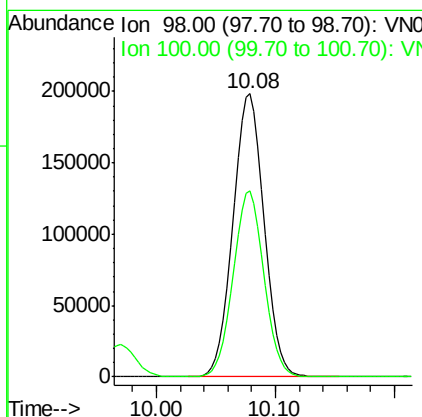
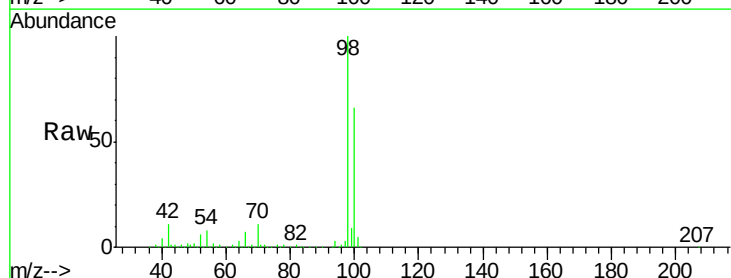
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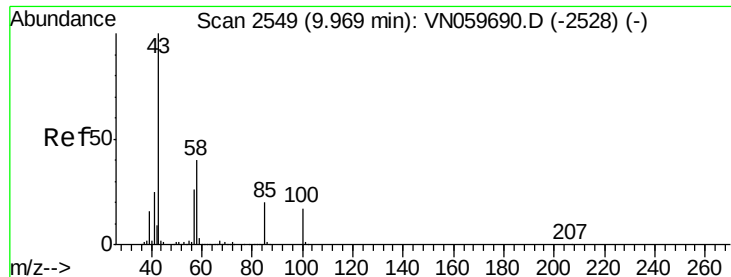
MMDadoda
1/17/2020 1:53:09 PM



#50
Toluene-d8
Concen: 50.815 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	98	Resp	359248
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





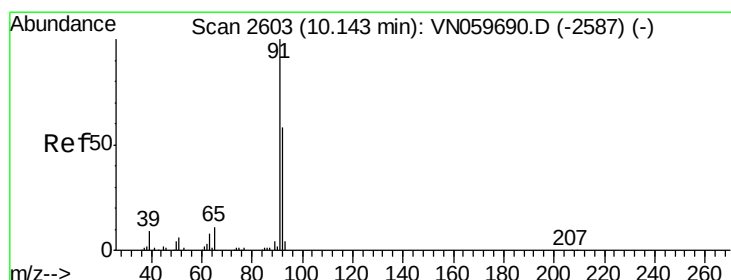
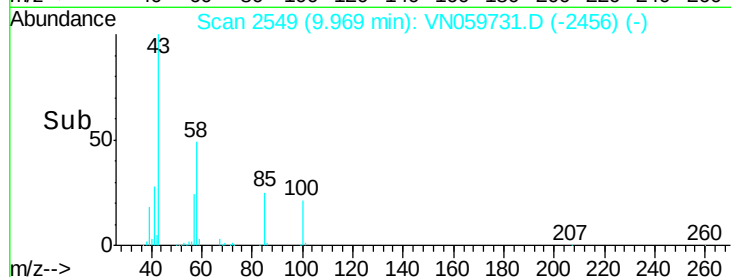
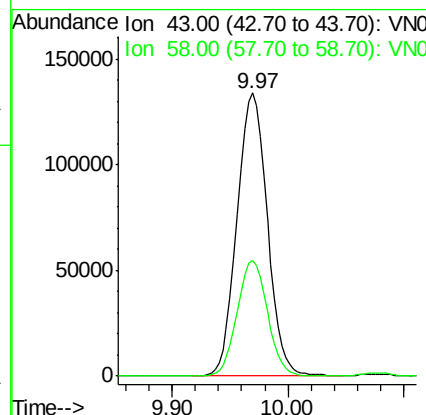
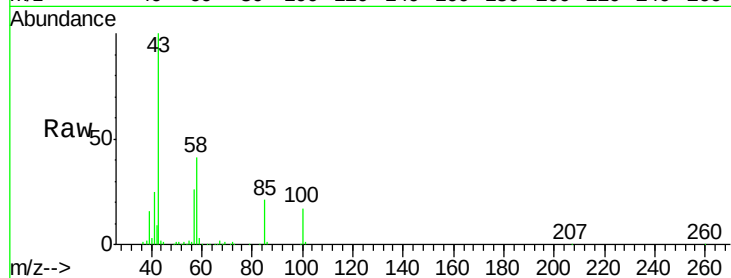
#51
4-Methyl-2-Pentanone
Concen: 97.781 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	29.8	44.8

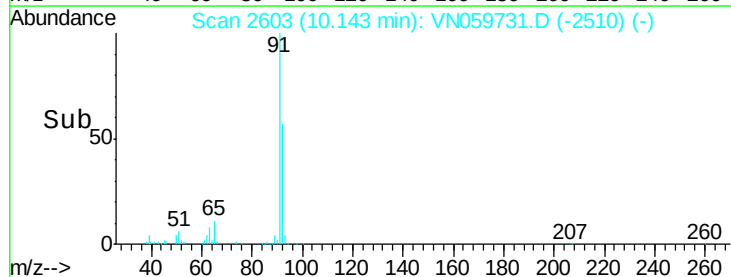
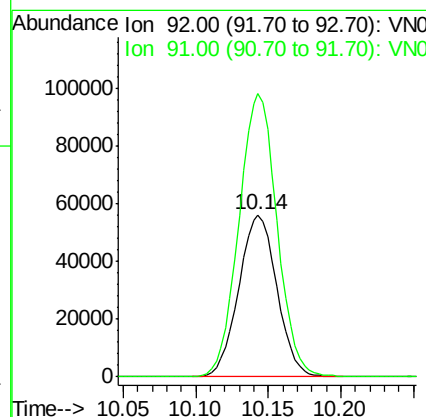
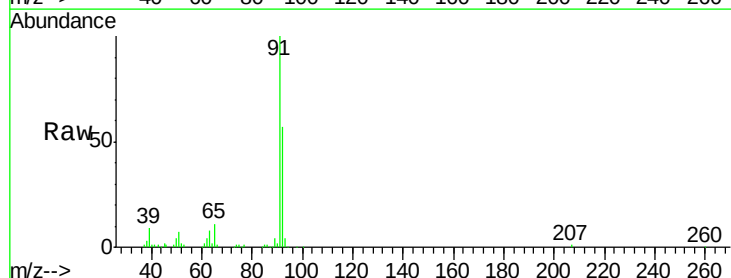
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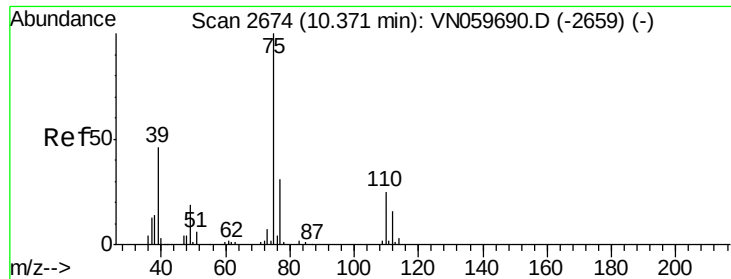
MMDadoda
1/17/2020 1:53:09 PM



#52
Toluene
Concen: 20.462 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.6	140.4	210.6





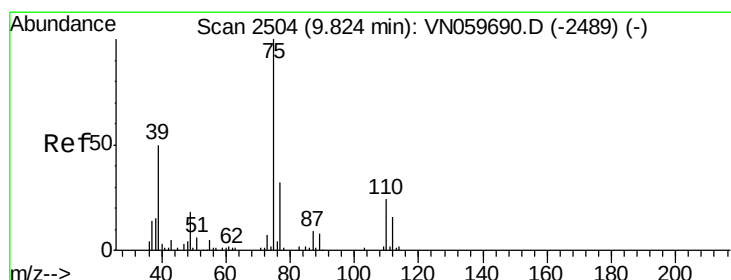
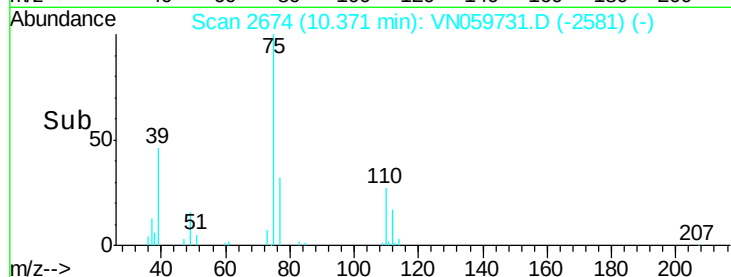
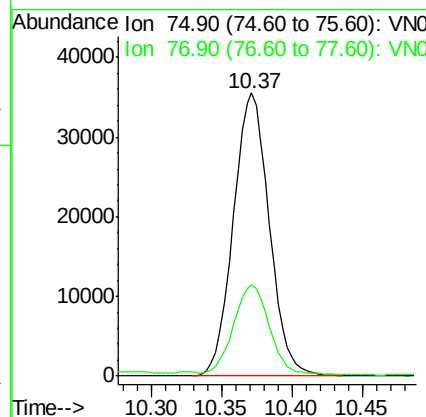
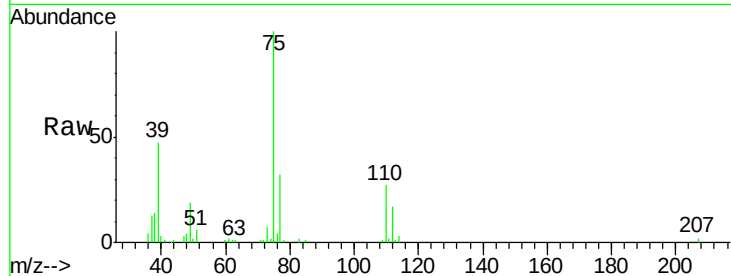
#53
t-1,3-Dichloropropene
Concen: 20.259 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion: 75 Resp: 63233
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

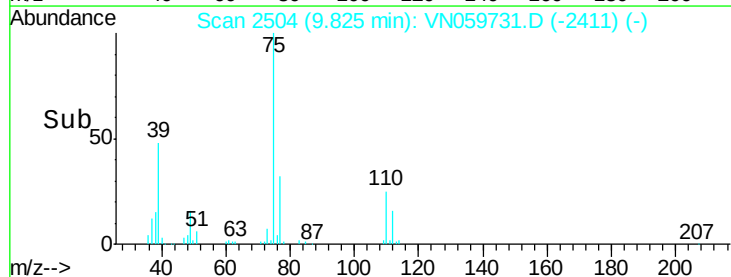
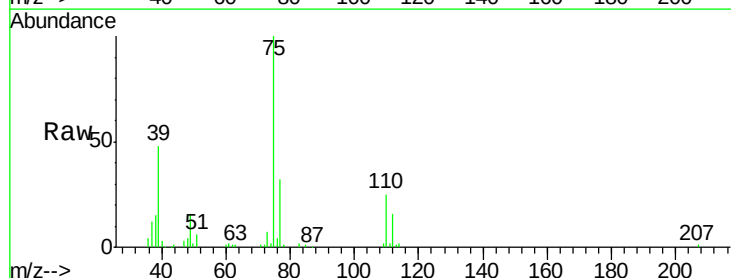
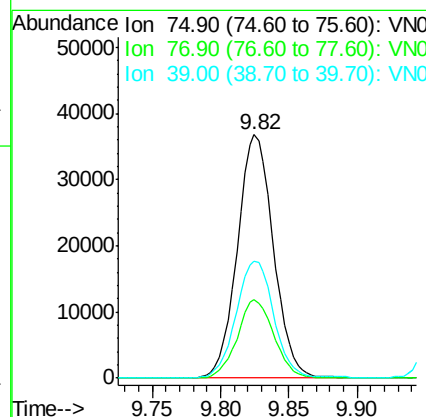
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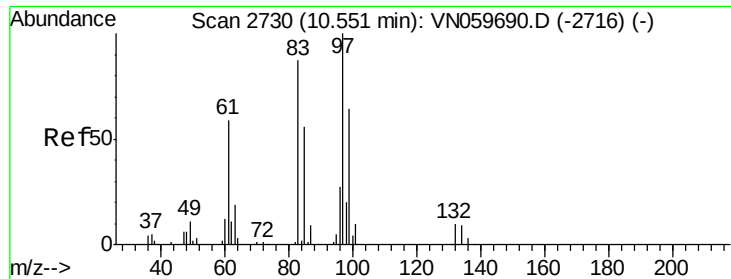
MMDadoda
1/17/2020 1:53:09 PM



#54
cis-1,3-Dichloropropene
Concen: 20.531 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 75 Resp: 67426
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 48.2 46.1 69.1





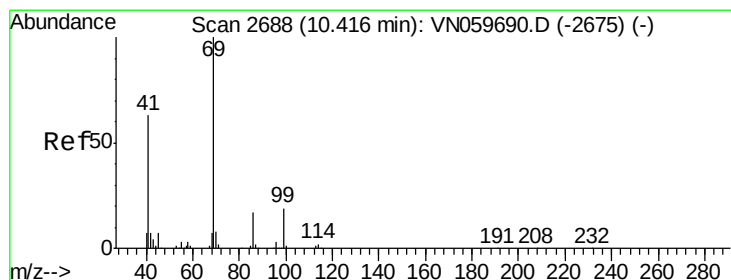
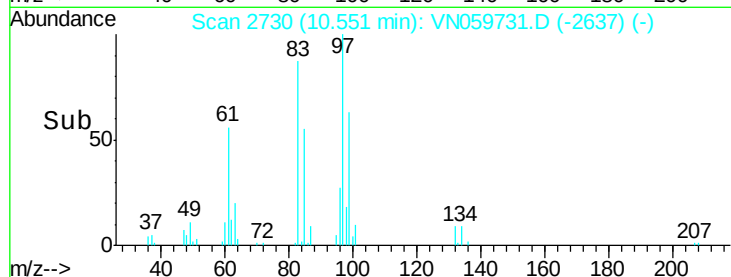
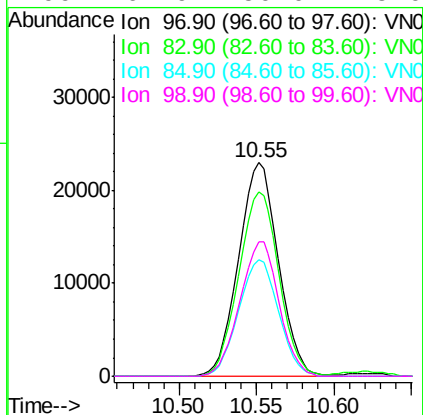
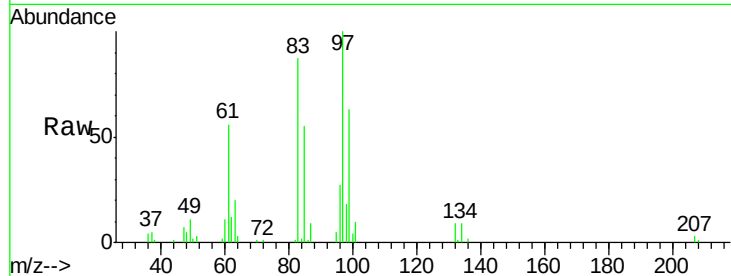
#55
 1,1,2-Trichloroethane
 Concen: 20.714 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116MBSD01

Tot Ion:	97	Resp:	41180
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.3	106.9
85	54.7	45.8	68.8
99	62.9	50.0	75.0

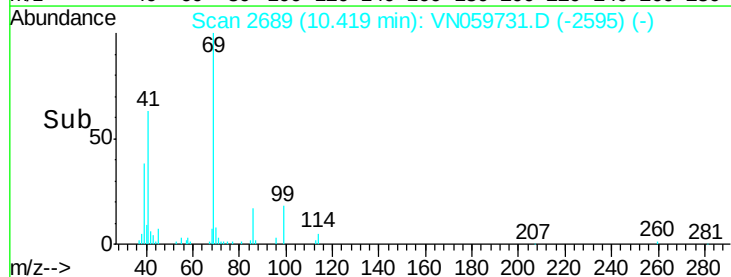
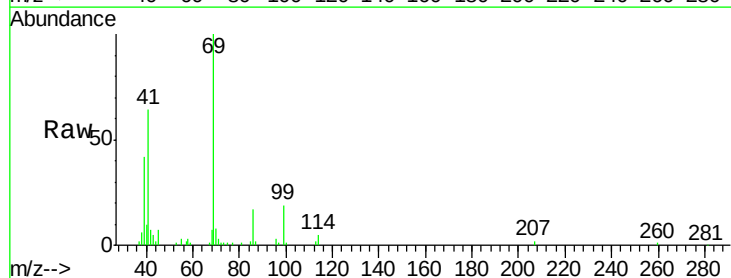
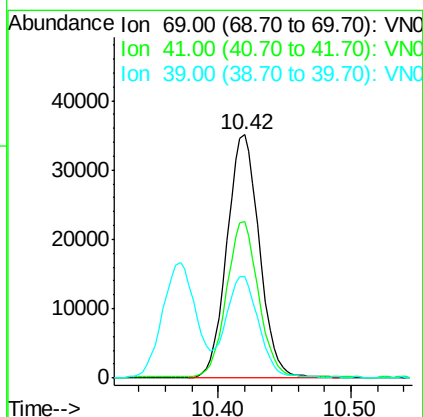
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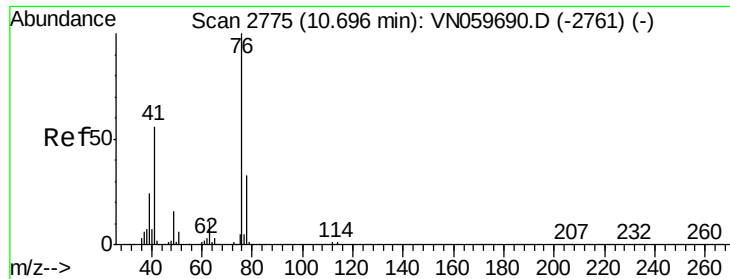
MMDadoda
 1/17/2020 1:53:09 PM



#56
 Ethyl methacrylate
 Concen: 19.633 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion:	69	Resp:	59640
Ion	Ratio	Lower	Upper
69	100		
41	62.7	57.1	85.7
39	42.9	34.7	52.1





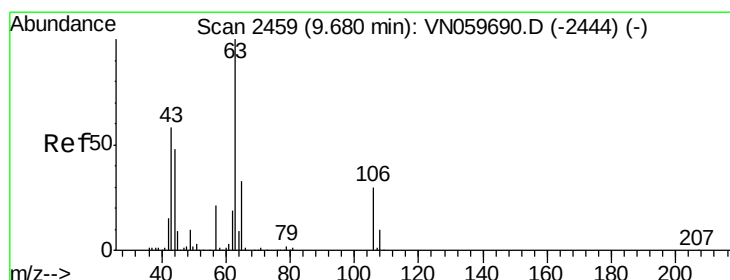
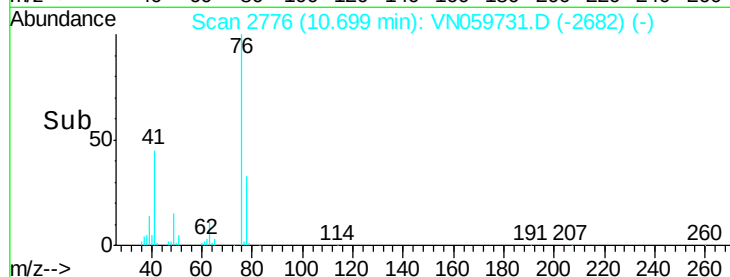
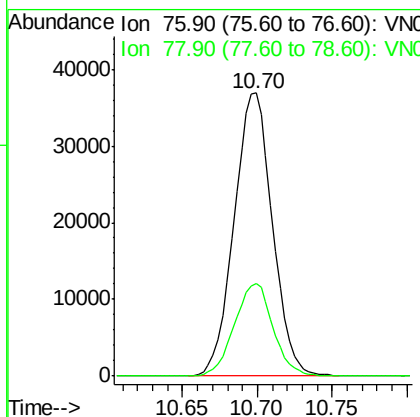
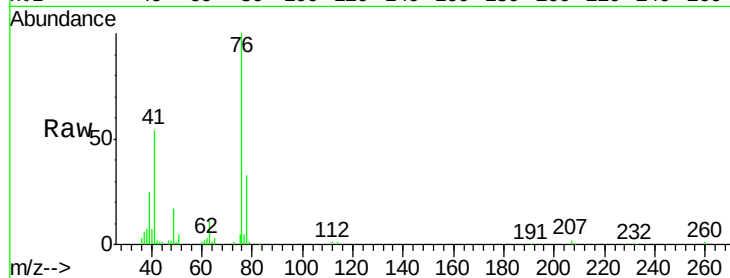
#57
 1,3-Dichloropropane
 Concen: 20.851 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion: 76 Resp: 65812
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

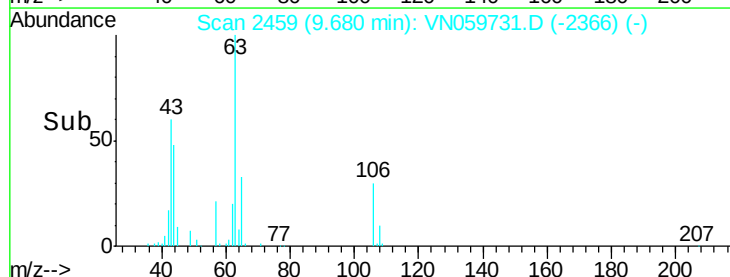
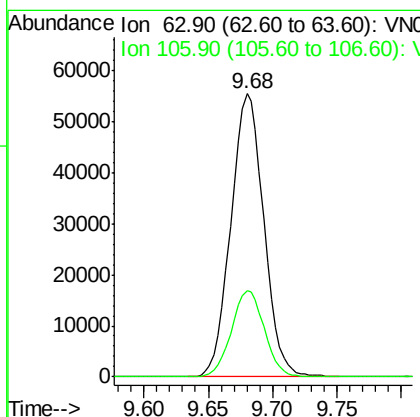
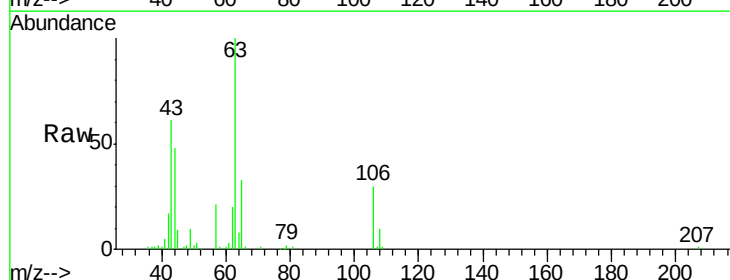
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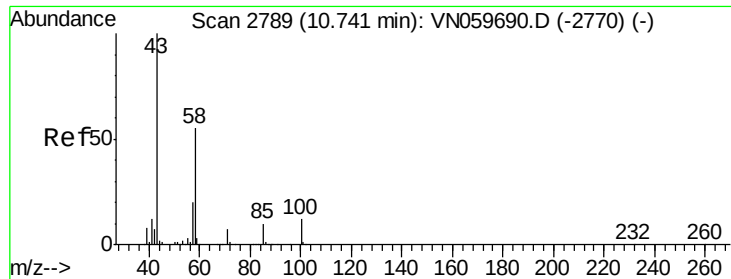
MMDadoda
 1/17/2020 1:53:09 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 107.592 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion: 63 Resp: 98443
 Ion Ratio Lower Upper
 63 100
 106 30.3 20.2 30.2#





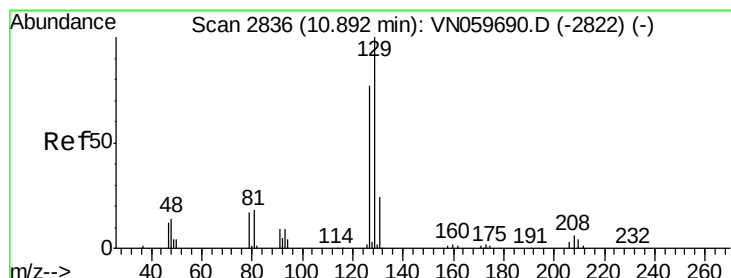
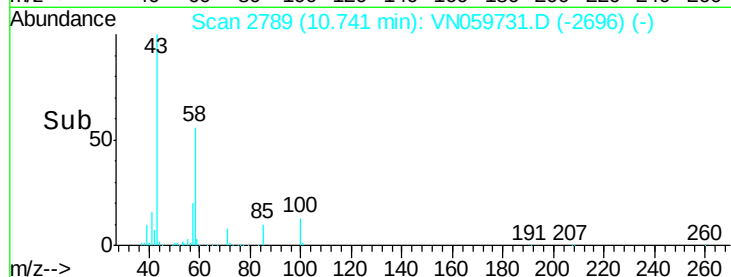
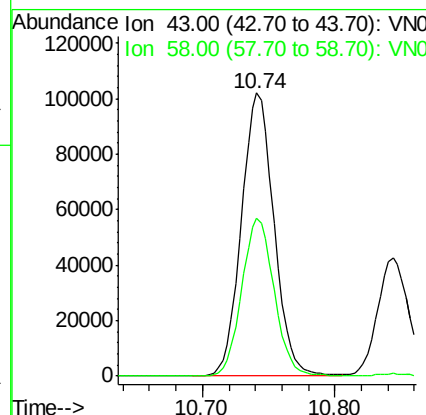
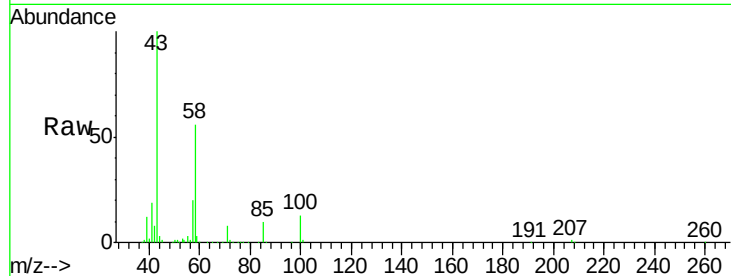
#59
2-Hexanone
Concen: 95.211 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion: 43 Resp: 174298
Ion Ratio Lower Upper
43 100
58 55.5 25.8 77.3

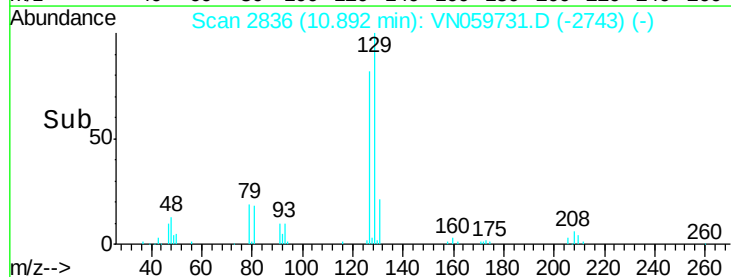
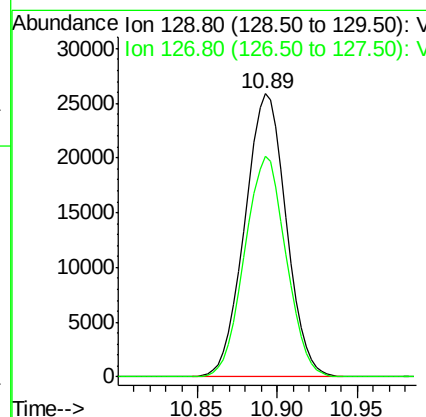
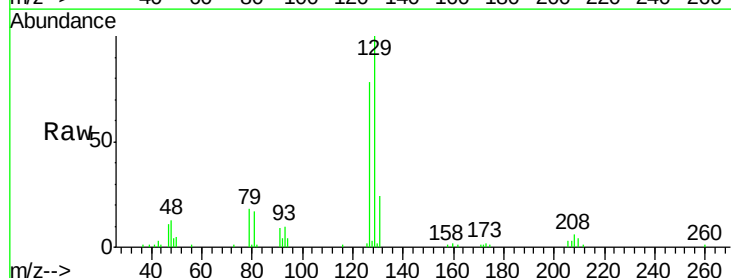
Manual Integrations
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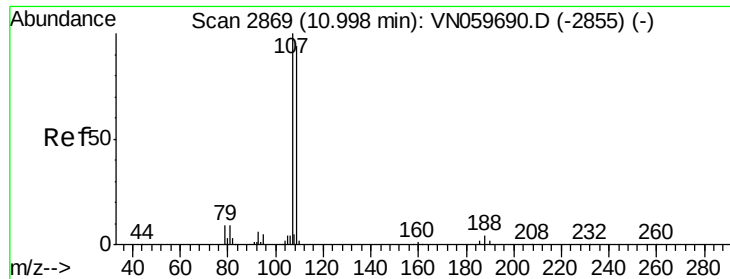
MMDadoda
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#60
Dibromochloromethane
Concen: 20.167 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 129 Resp: 45656
Ion Ratio Lower Upper
129 100
127 77.9 38.5 115.5





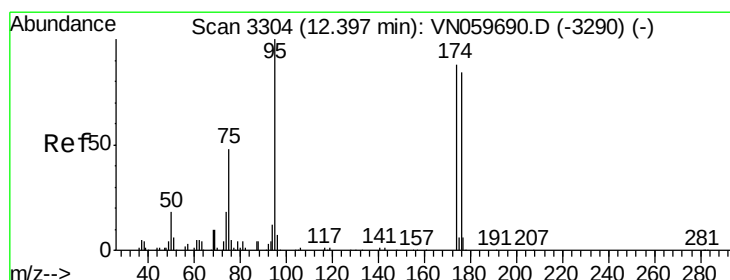
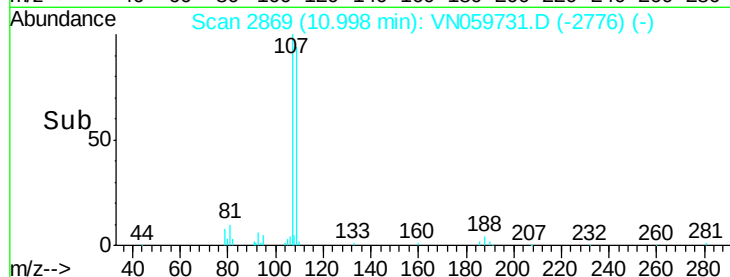
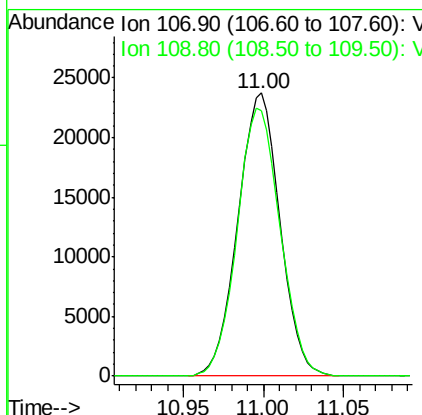
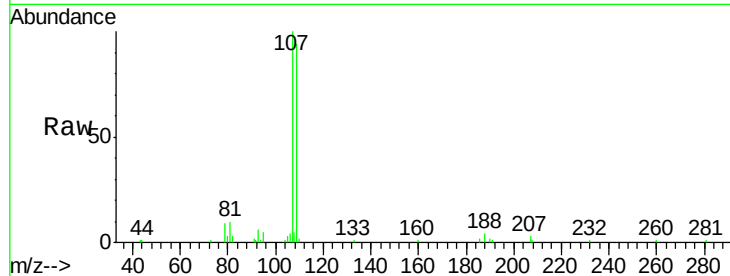
#61
 1,2-Dibromoethane
 Concen: 20.425 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion: 107 Resp: 42559
 Ion Ratio Lower Upper
 107 100
 109 96.8 76.6 115.0

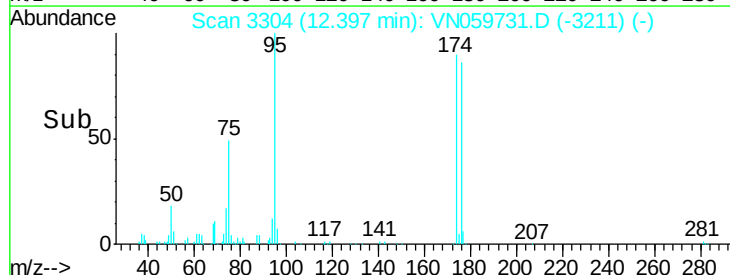
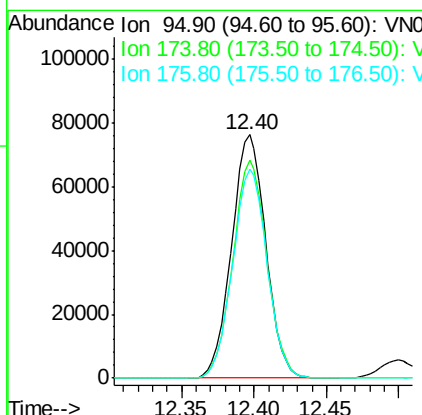
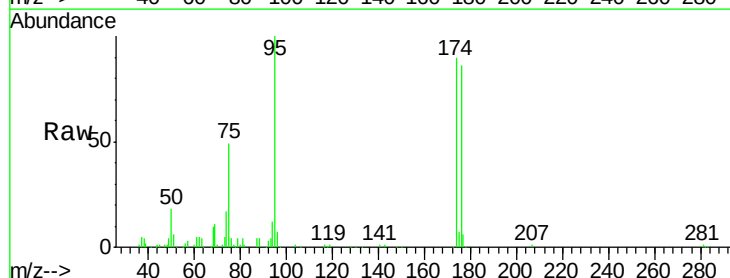
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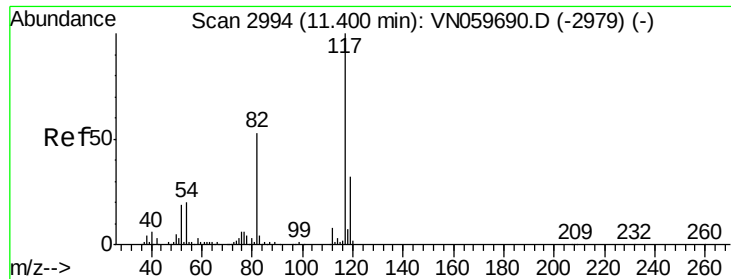
MMDadoda
 1/17/2020 1:53:09 PM



#62
 4-Bromofluorobenzene
 Concen: 48.919 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion: 95 Resp: 124676
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 151.4
 176 86.5 0.0 146.0





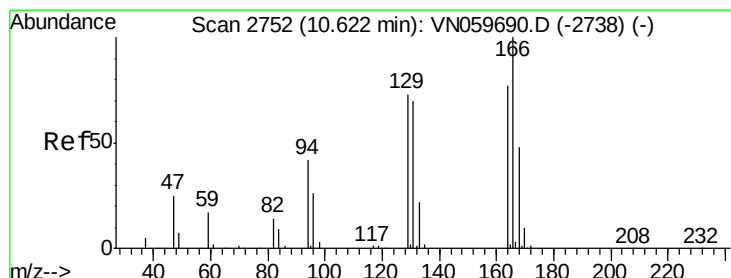
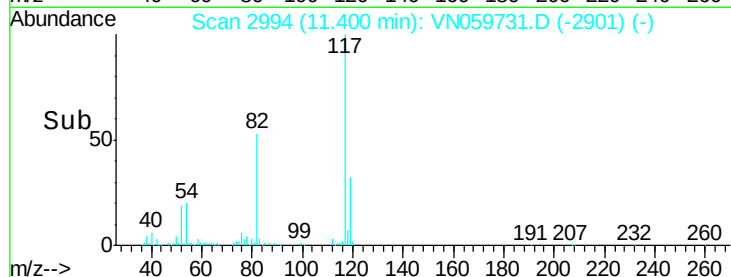
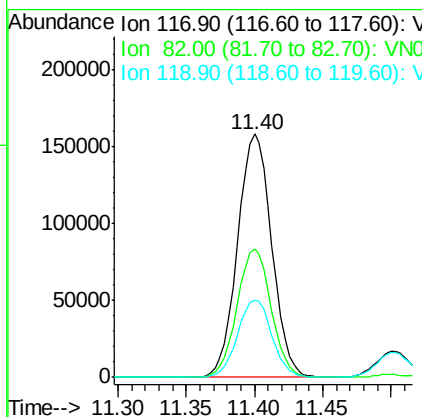
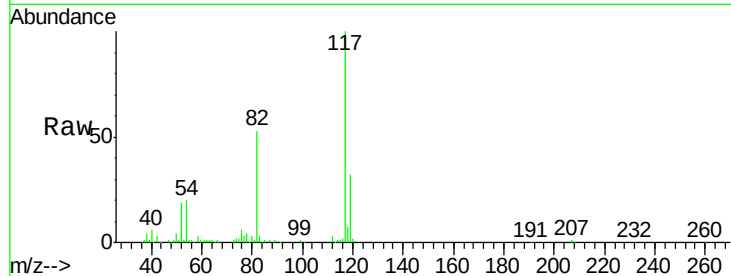
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.9	68.9
119	31.9	25.5	38.3

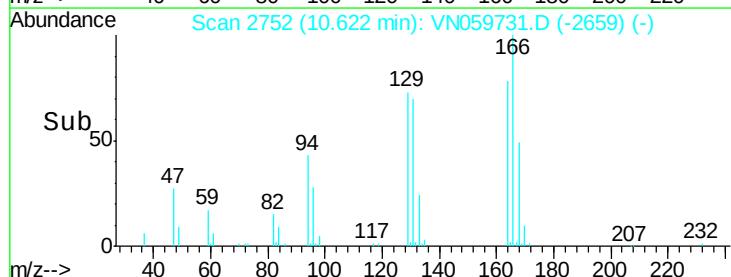
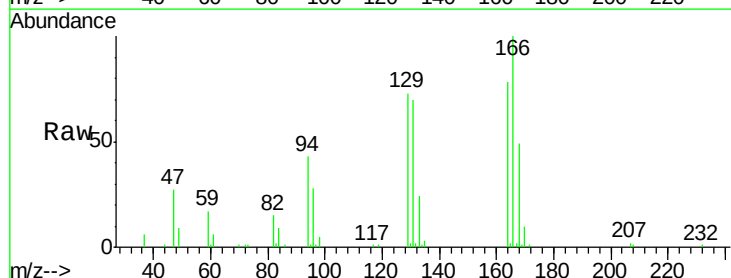
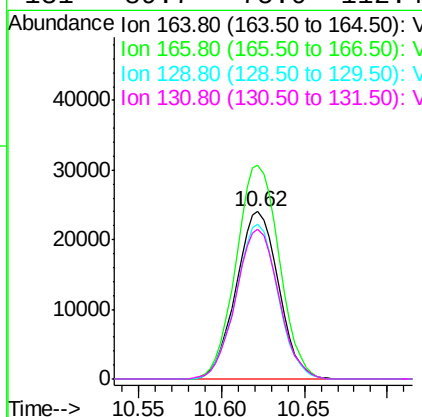
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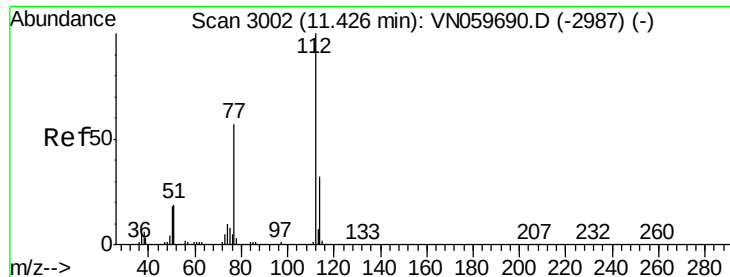
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#64
Tetrachloroethene
Concen: 19.183 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	101.4	152.0
129	93.0	80.2	120.4
131	89.7	75.0	112.4





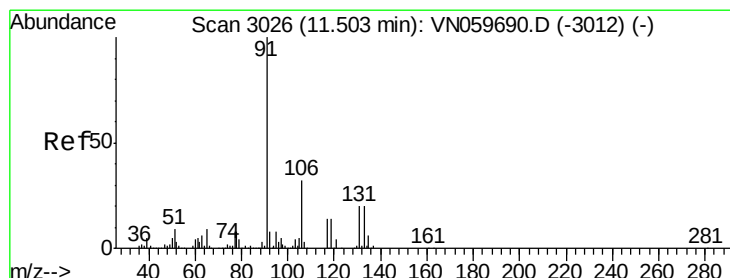
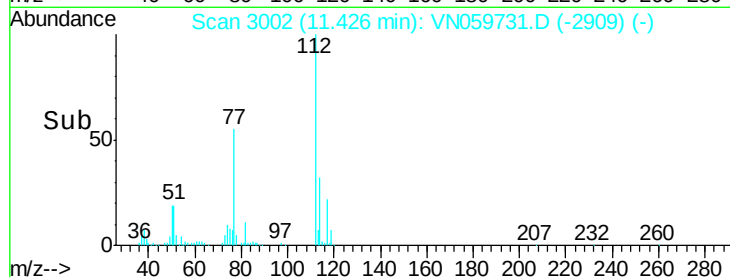
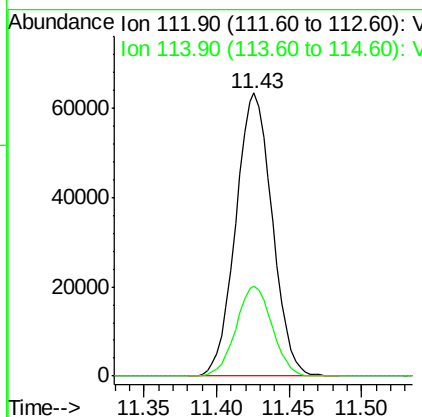
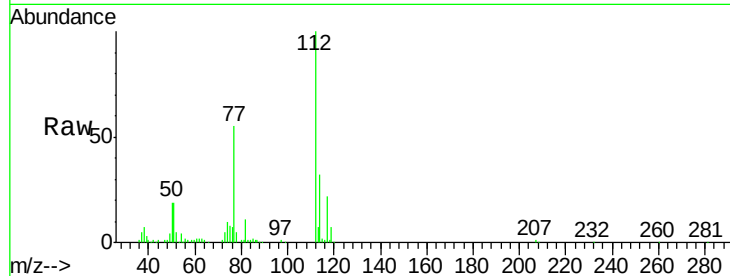
#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
VN0116MBSD01

Tot Ion:112 Resp: 110423
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

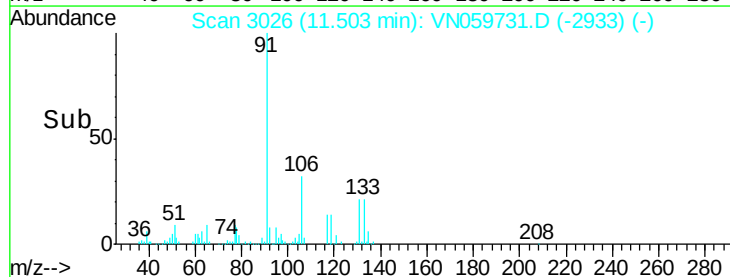
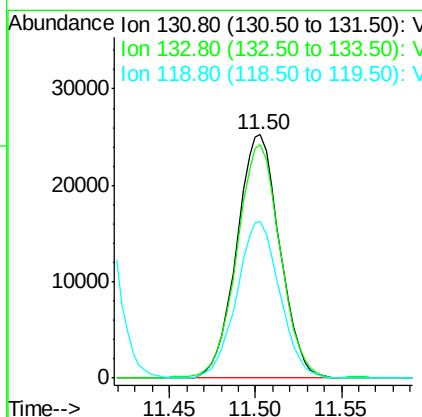
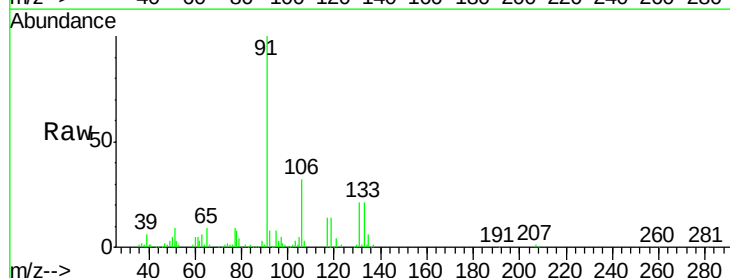
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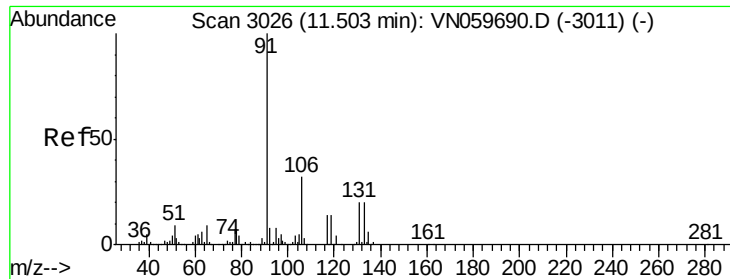
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.936 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion:131 Resp: 43625
Ion Ratio Lower Upper
131 100
133 97.0 47.4 142.2
119 64.4 33.1 99.3





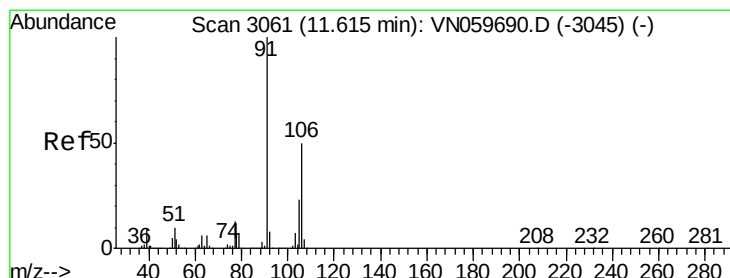
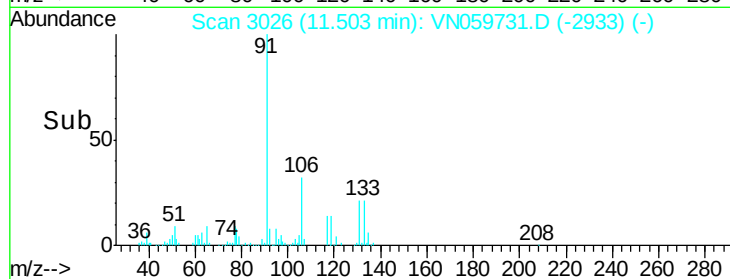
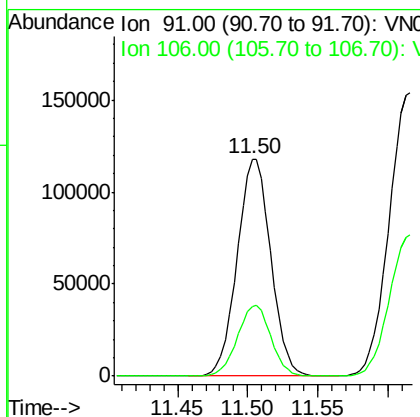
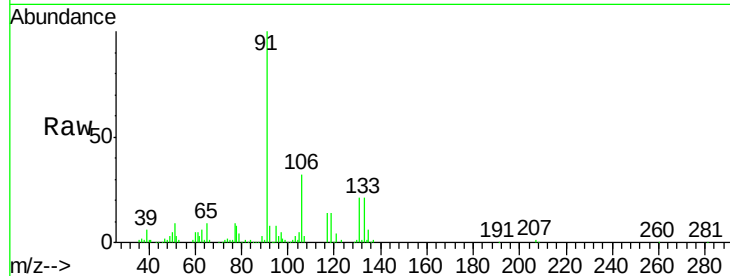
#67
Ethyl Benzene
Concen: 20.162 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
VN0116MBSD01

Tot Ion: 91 Resp: 197374
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1

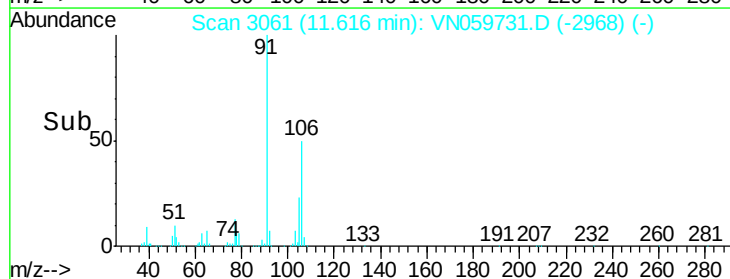
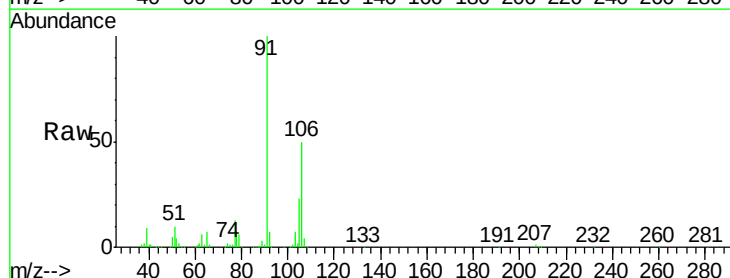
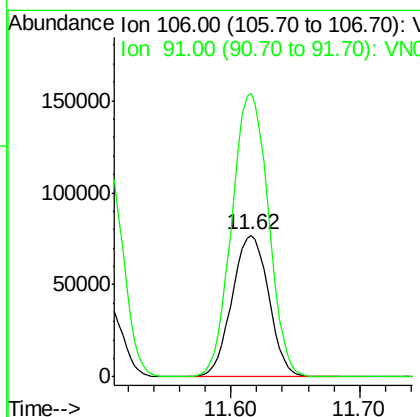
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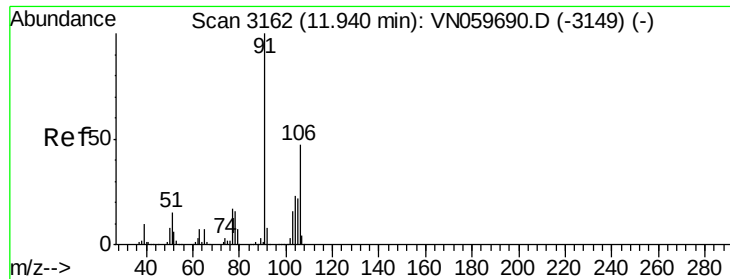
MMDadoda
1/17/2020 1:53:09 PM



#68
m/p-Xylenes
Concen: 40.939 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion: 106 Resp: 151386
Ion Ratio Lower Upper
106 100
91 201.7 167.9 251.9





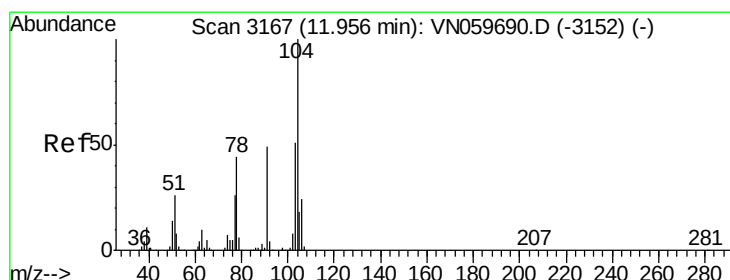
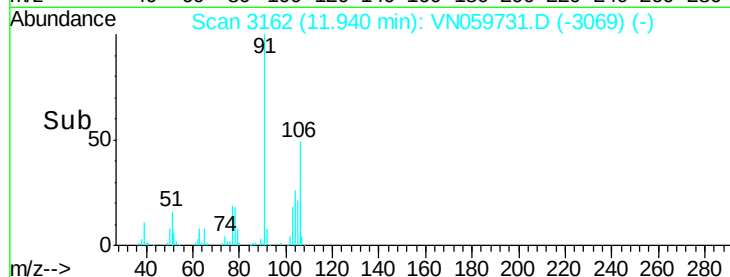
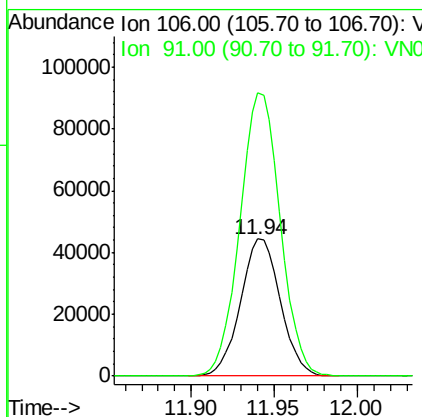
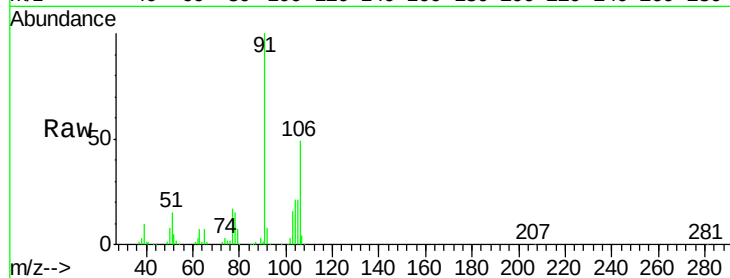
#69
o-Xylene
Concen: 20.517 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
VN0116MBSD01

Tot Ion:106 Resp: 74277
Ion Ratio Lower Upper
106 100
91 208.2 110.3 330.9

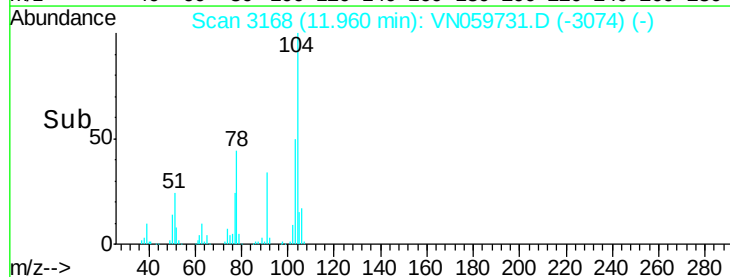
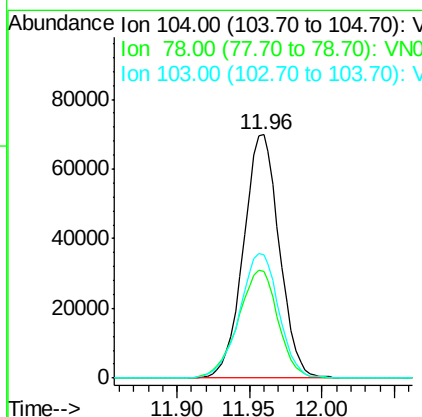
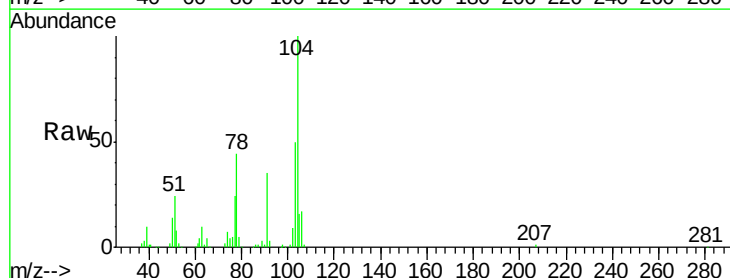
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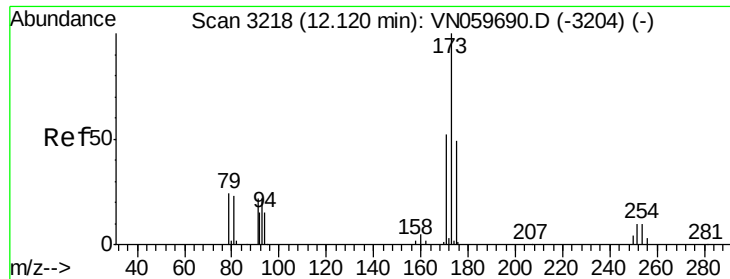
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#70
Styrene
Concen: 19.887 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion:104 Resp: 120474
Ion Ratio Lower Upper
104 100
78 49.2 42.4 63.6
103 56.0 43.9 65.9





#71

Bromoform

Concen: 20.473 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampled :

VN0116MBSD01

Tot Ion:173 Resp: 34171

Ion Ratio Lower Upper

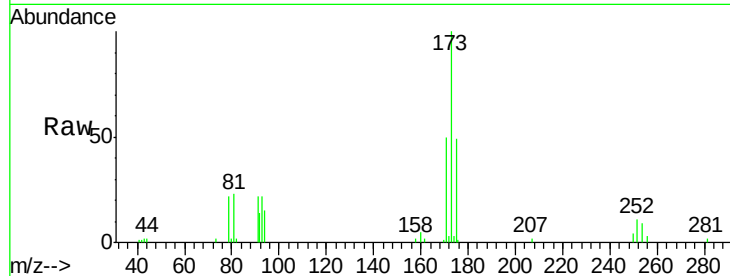
173 100

175 48.5 23.8 71.4

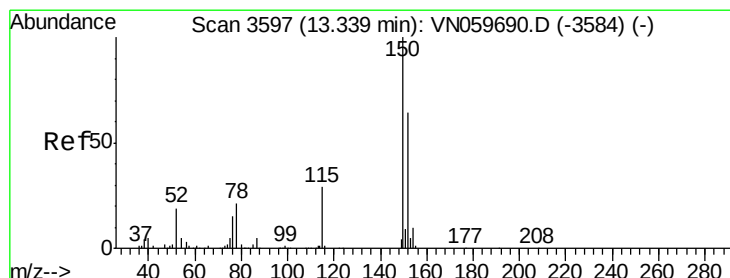
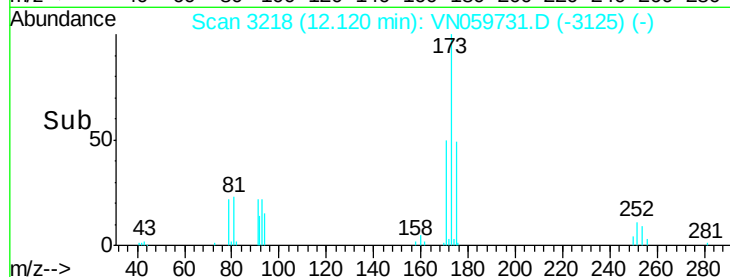
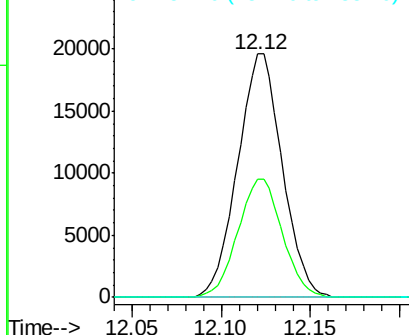
254 0.0 0.0 0.0

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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: VN059731.D

Acq: 16 Jan 2020 14:55

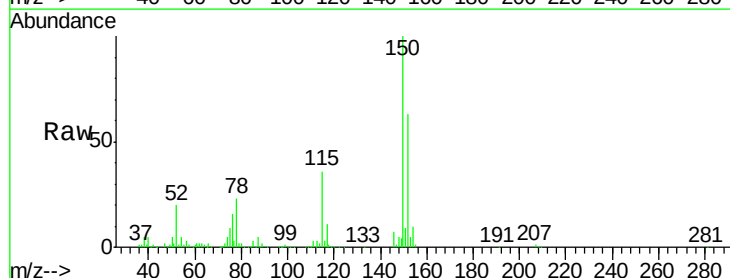
Tgt Ion:152 Resp: 129305

Ion Ratio Lower Upper

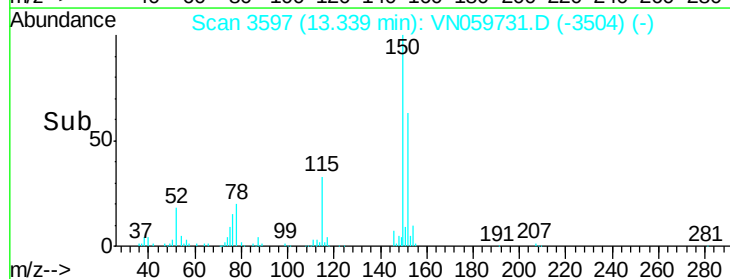
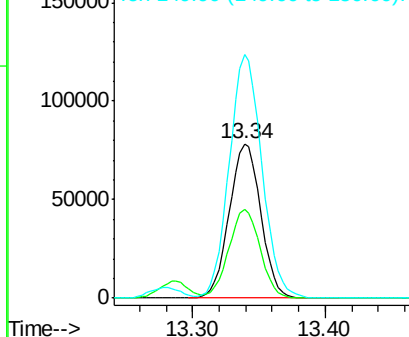
152 100

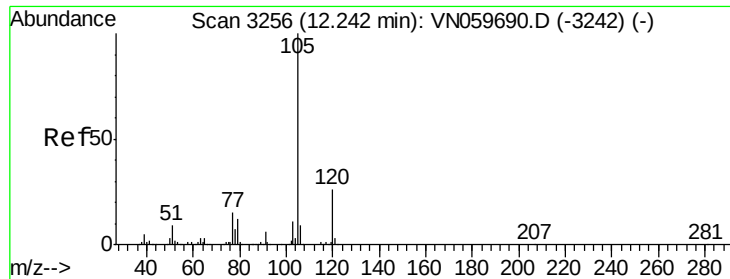
115 57.2 30.3 90.9

150 163.6 0.0 345.2



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





#73

Isopropylbenzene

Concen: 20.778 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion: 105 Resp: 197044

Ion Ratio Lower Upper

105 100

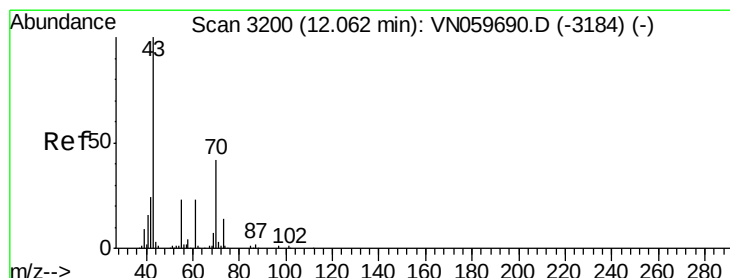
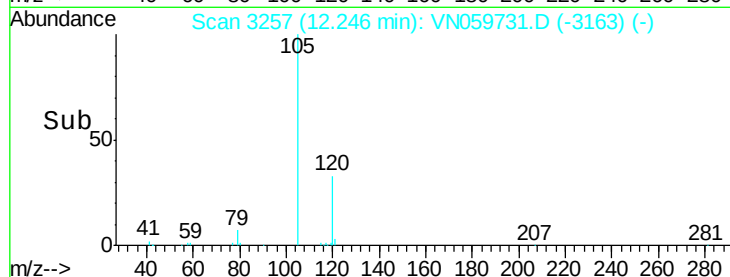
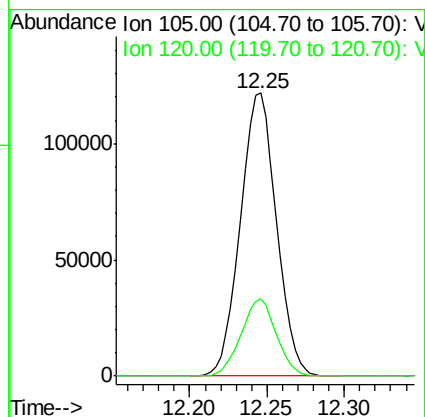
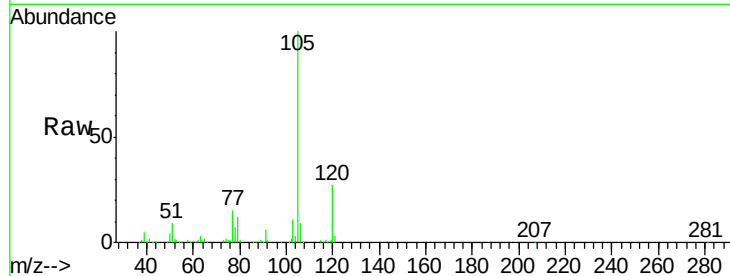
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 19.378 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion: 43 Resp: 71306

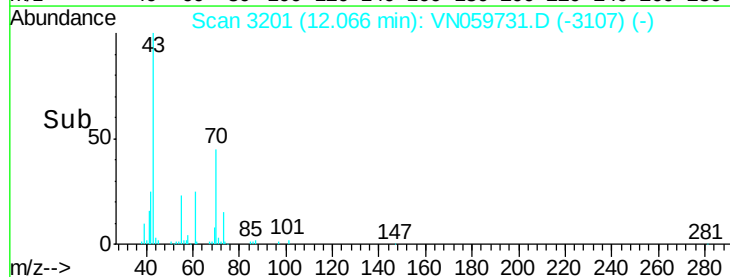
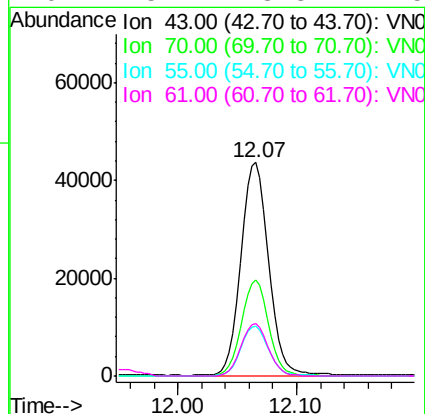
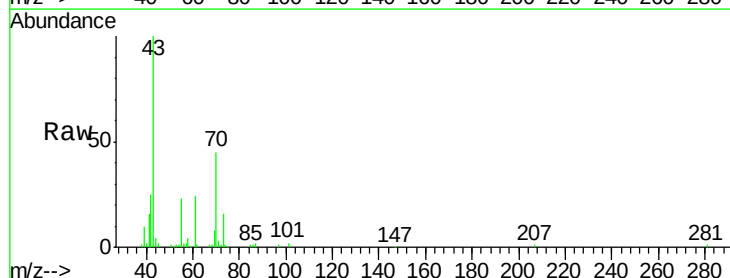
Ion Ratio Lower Upper

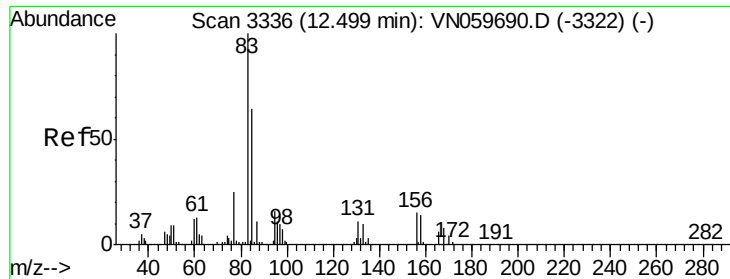
43 100

70 43.3 31.3 46.9

55 23.1 19.8 29.6

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.967 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

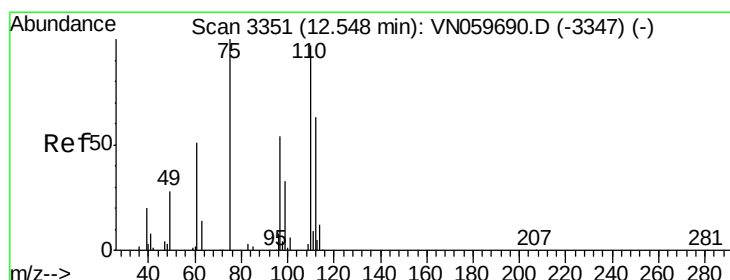
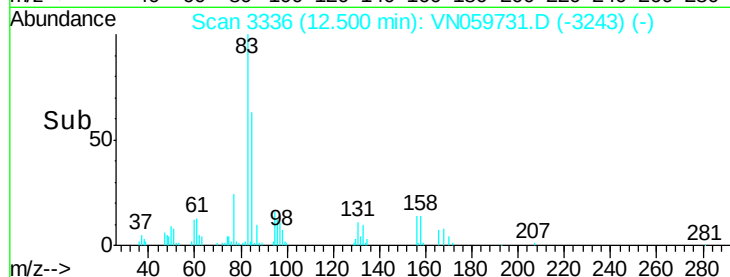
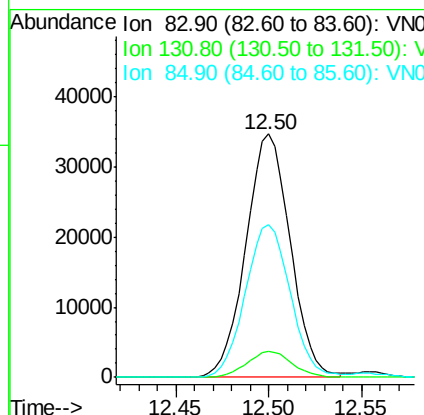
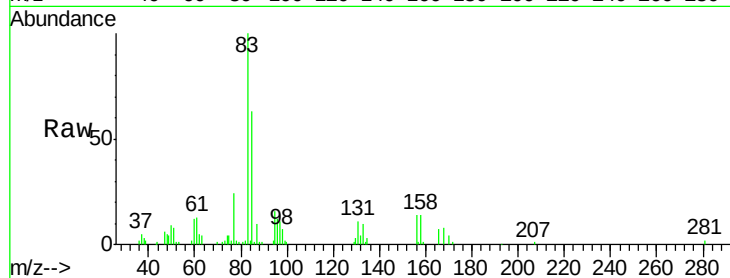
ClientSampleId :

VN0116MBSD01

Tot Ion:	83	Resp:	57641
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	63.6	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 23.884 ug/l m

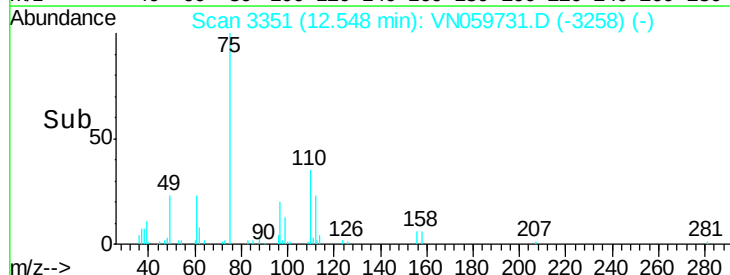
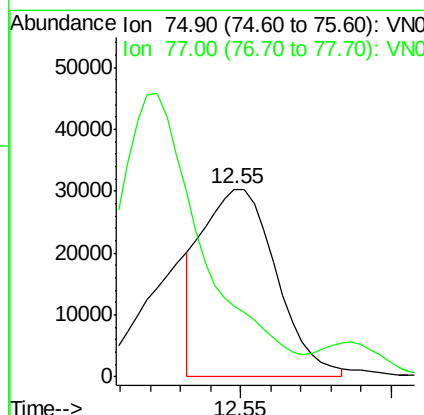
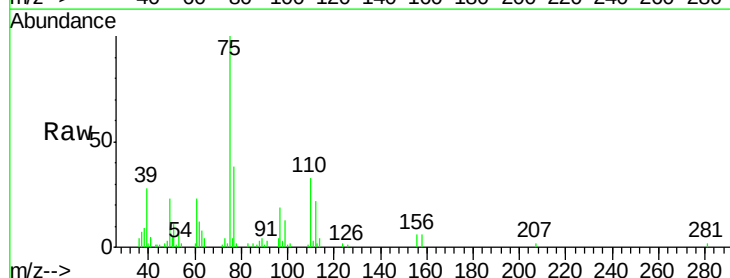
RT: 12.55 min Scan# 3351

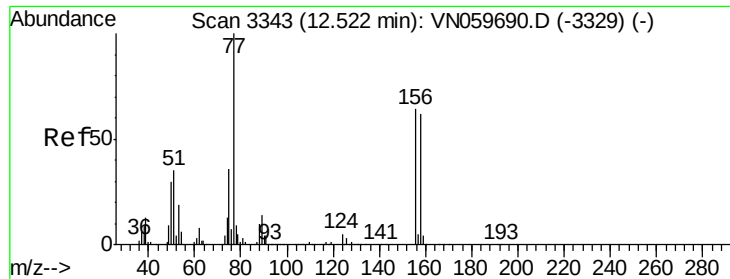
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	75	Resp:	51974
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.732 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

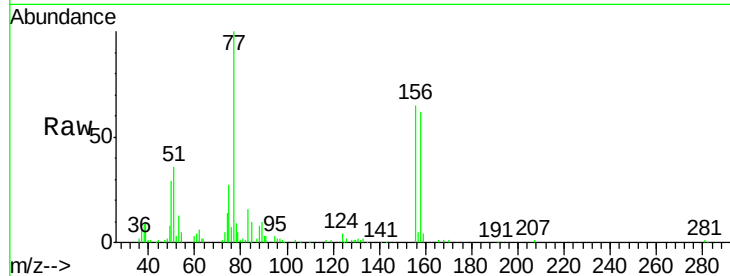
ClientSampleId :

VN0116MBSD01

Tot Ion:	156	Resp:	49787
Ion Ratio	Lower	Upper	
156	100		
77	186.1	115.8	347.4
158	98.7	49.2	147.6

Manual Integrations
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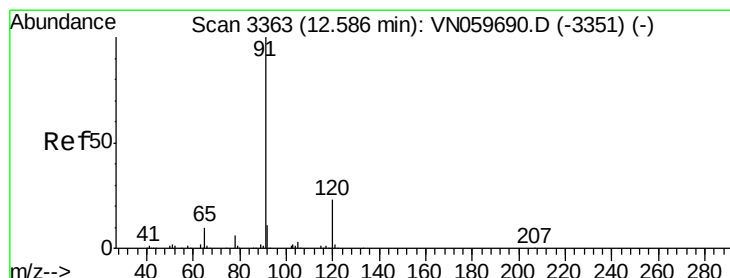
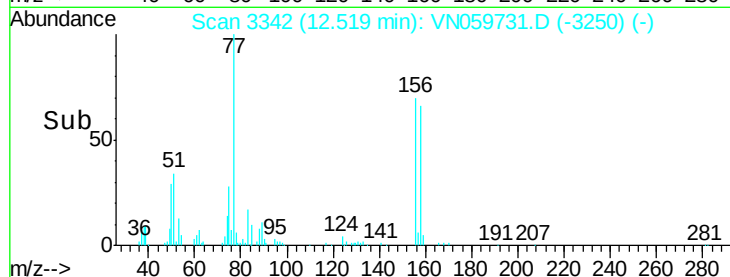
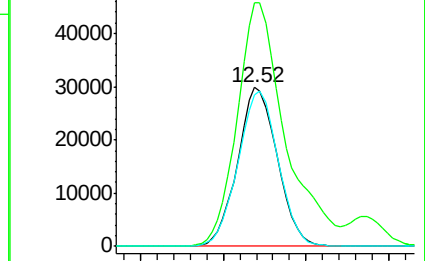
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.501 ug/l

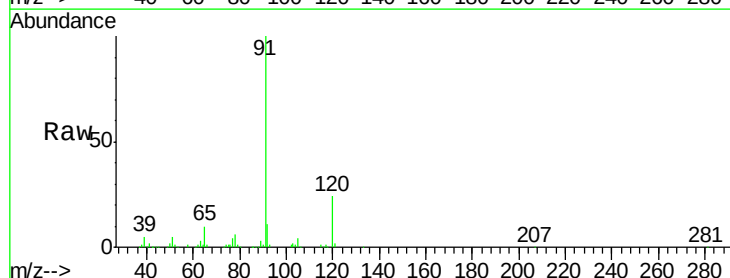
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059731.D

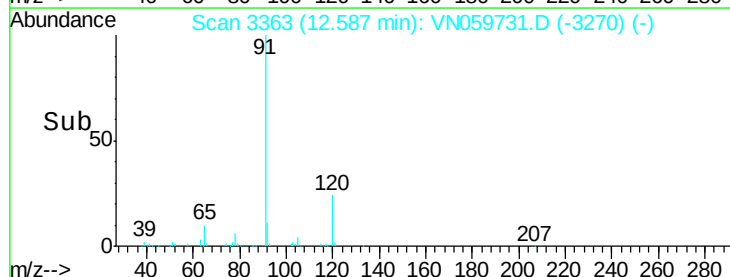
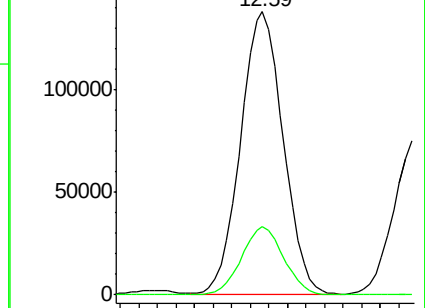
Acq: 16 Jan 2020 14:55

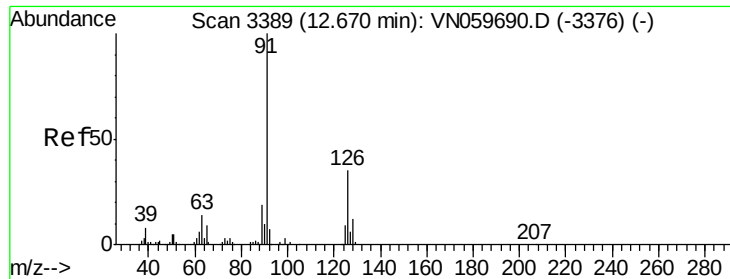
Tgt Ion:	91	Resp:	218208
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





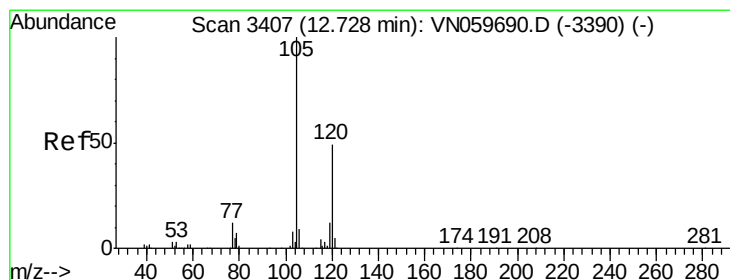
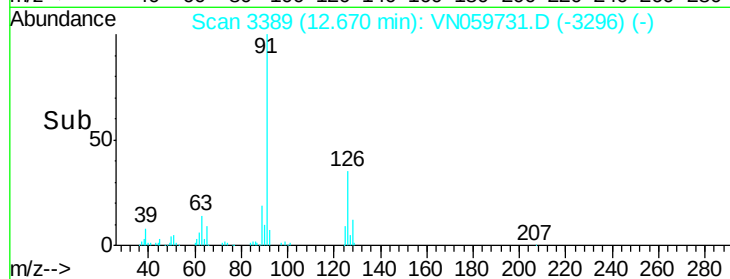
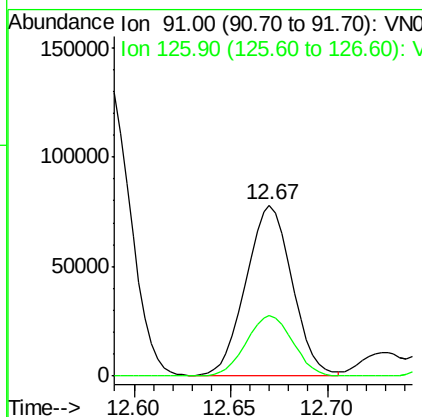
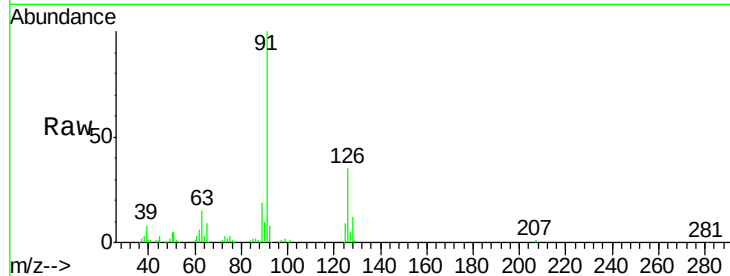
#79
 2-Chlorotoluene
 Concen: 20.371 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion: 91 Resp: 128989
 Ion Ratio Lower Upper
 91 100
 126 35.8 16.3 48.9

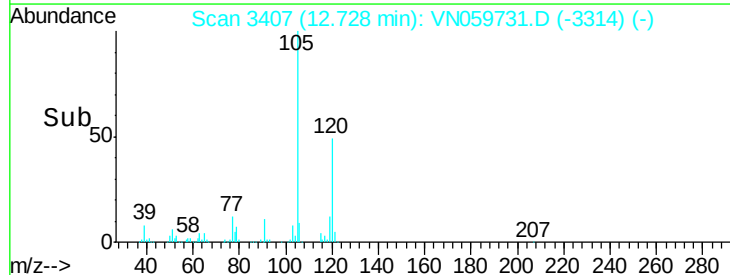
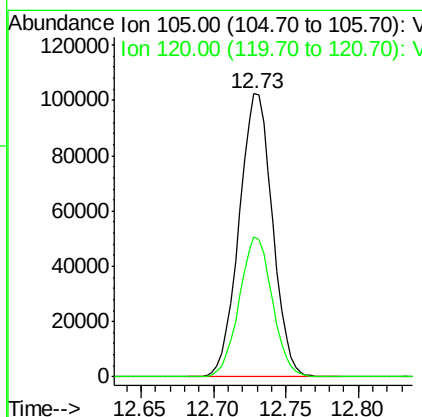
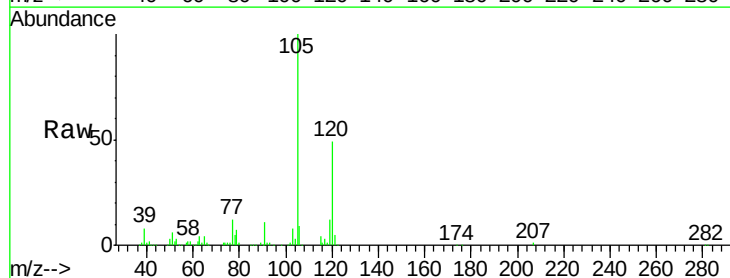
Manual Integrations
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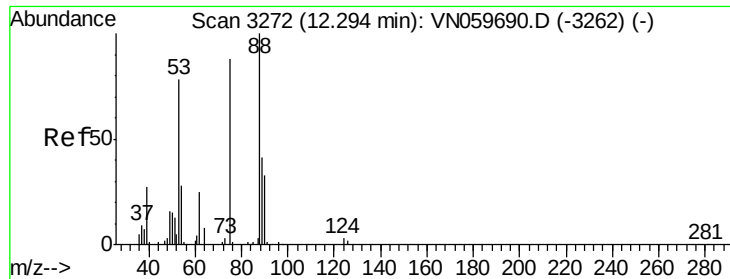
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.551 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion: 105 Resp: 163904
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.1 72.4





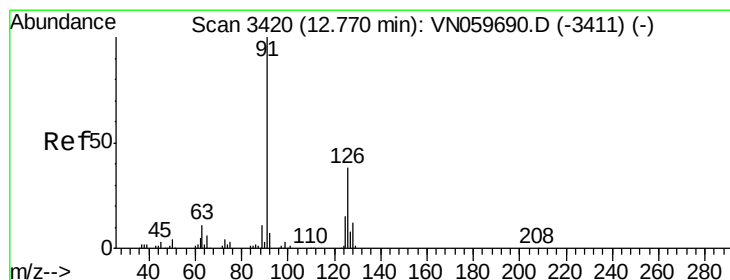
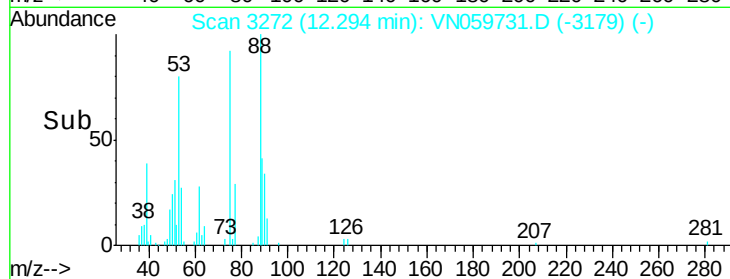
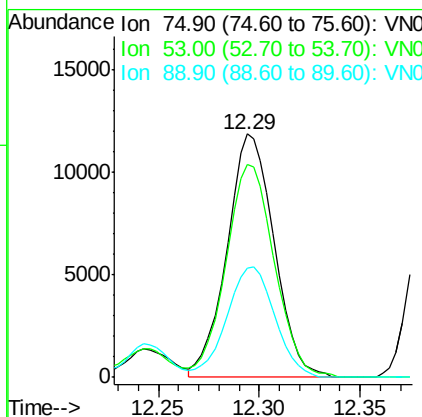
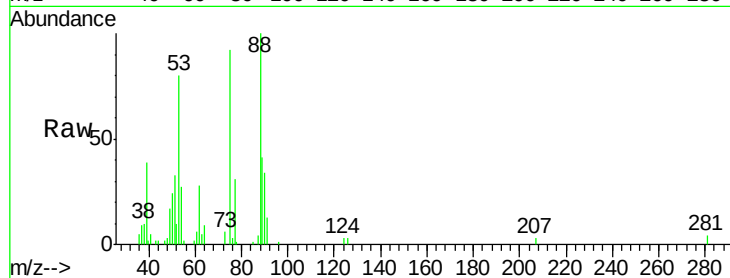
#81
trans-1,4-Dichloro-2-butene
Concen: 19.149 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	78.1	117.1
89	46.6	35.4	53.2

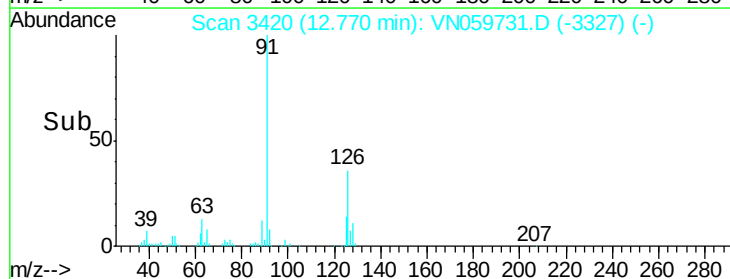
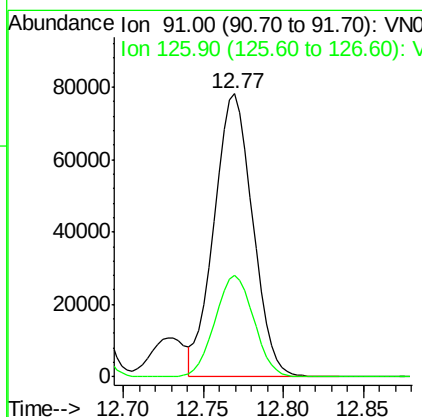
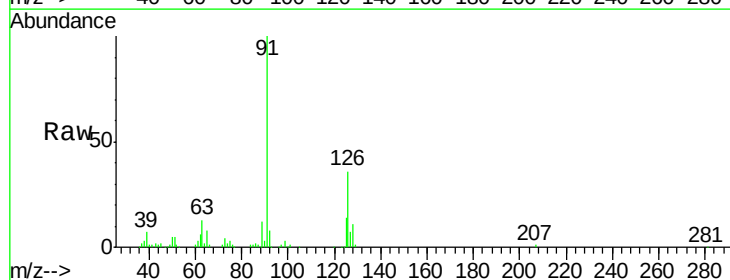
Manual Integrations
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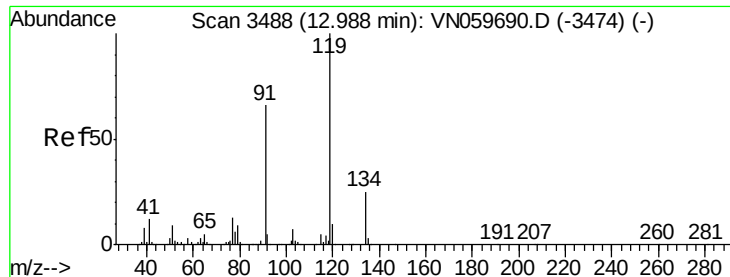
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#82
4-Chlorotoluene
Concen: 20.304 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 20.965 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

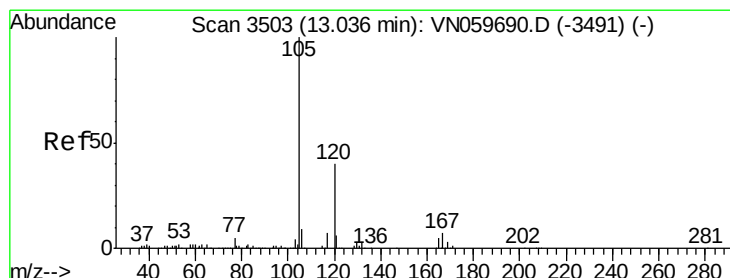
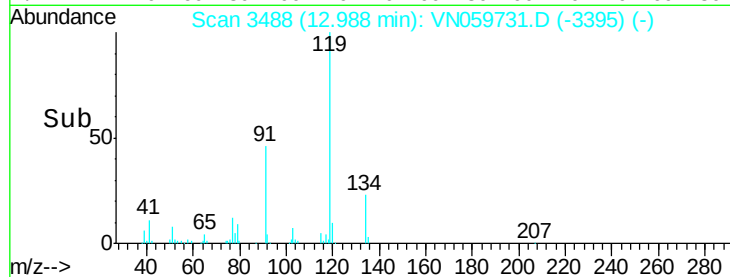
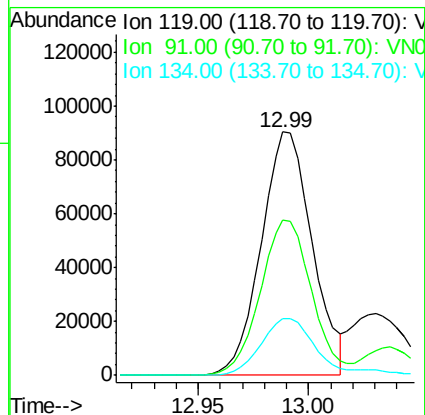
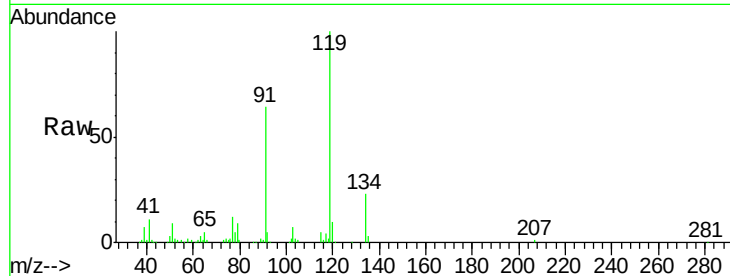
ClientSampleId :

VN0116MBSD01

Tot Ion:	119	Resp:	144610
Ion Ratio	Lower	Upper	
119	100		
91	63.8	34.8	104.4
134	25.8	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.687 ug/l

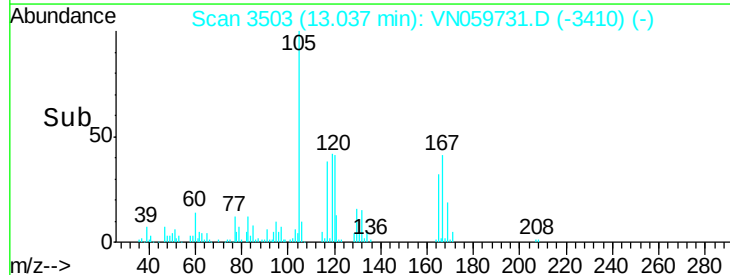
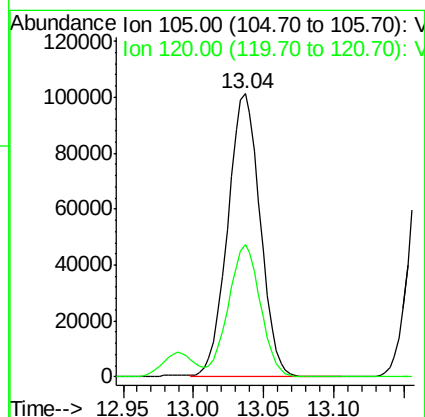
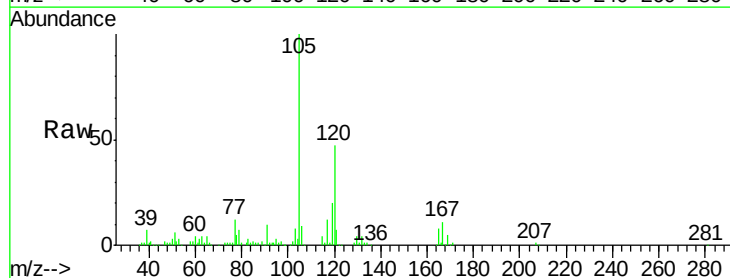
RT: 13.04 min Scan# 3503

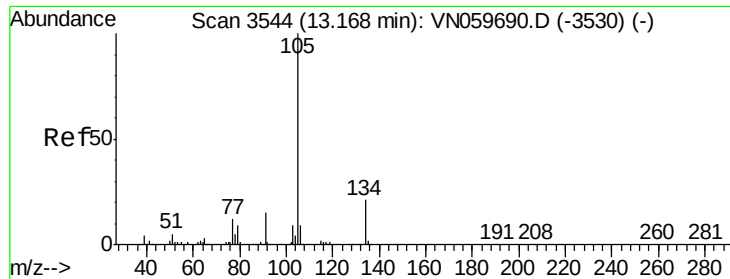
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	105	Resp:	163223
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 20.792 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN0116MBSD01

Tot Ion:105 Resp: 188424

Ion Ratio Lower Upper

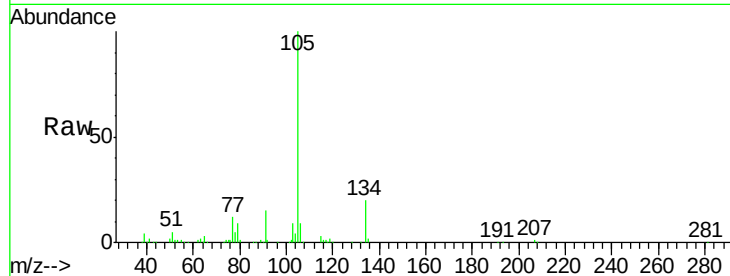
105 100

134 20.3 9.8 29.5

Manual Integrations
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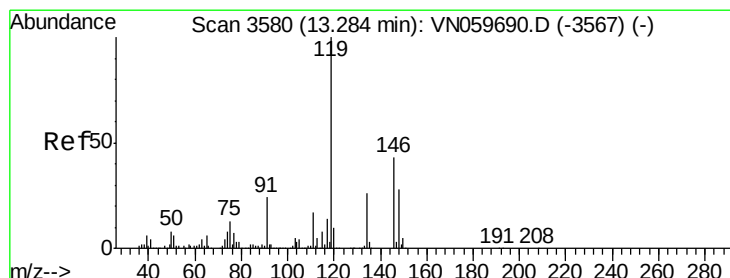
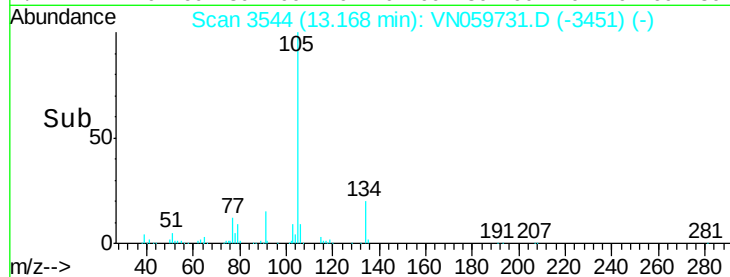
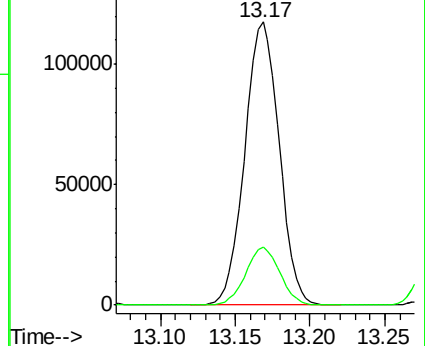
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.322 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

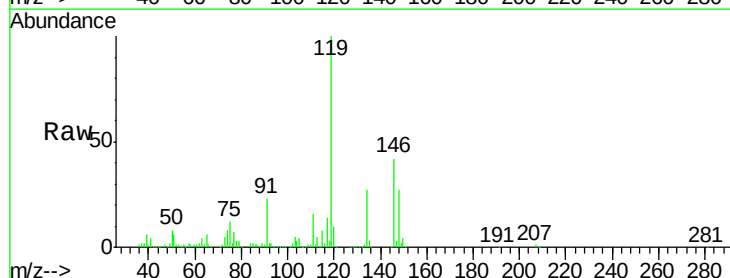
Tgt Ion:119 Resp: 170412

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

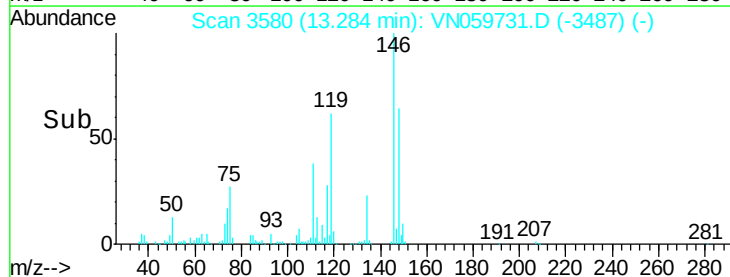
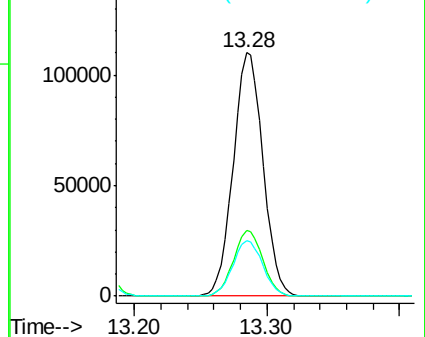
91 23.1 12.4 37.4

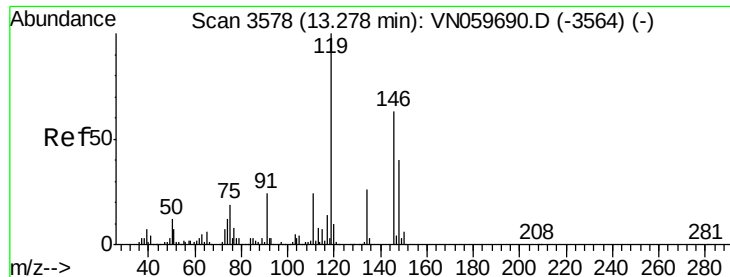


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.616 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059731.D

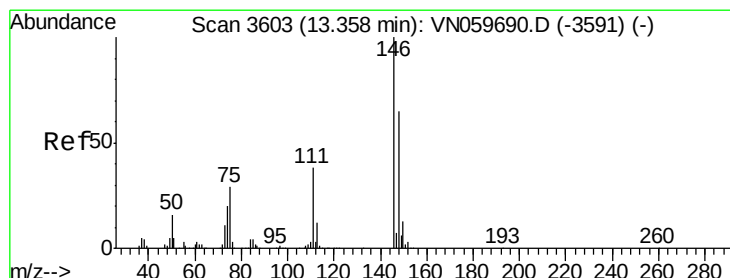
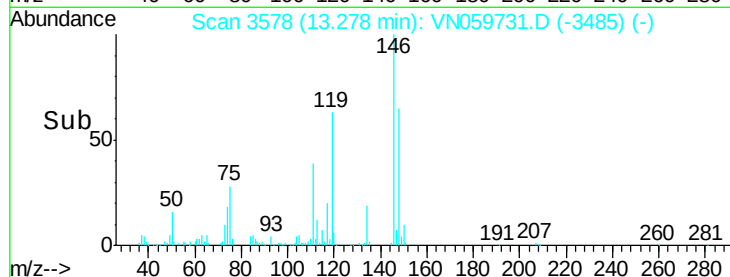
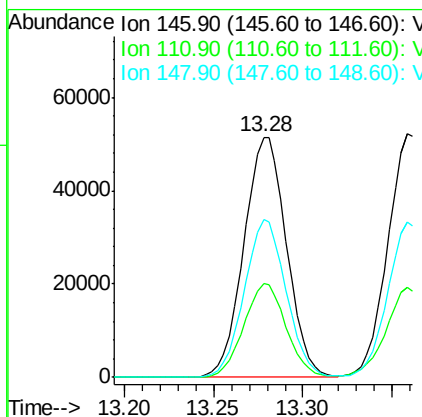
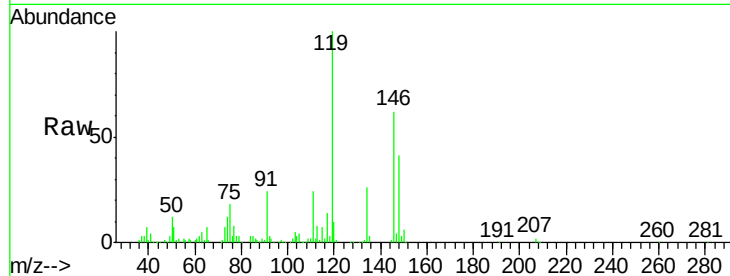
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampled :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	64.5	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.890 ug/l

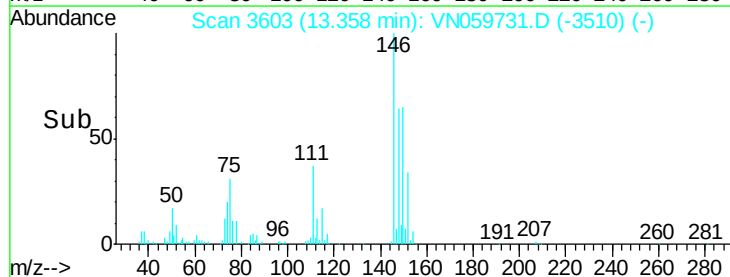
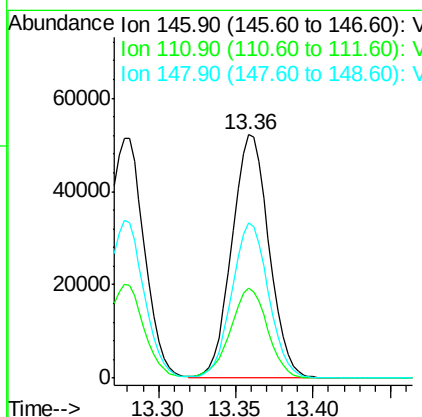
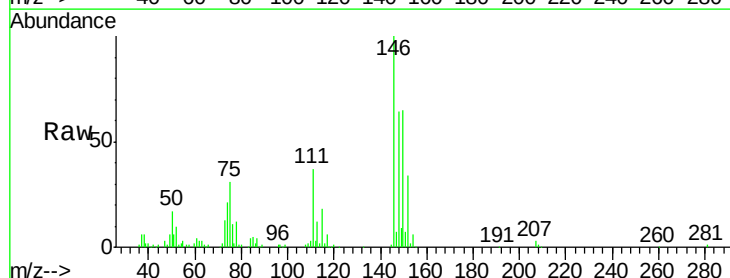
RT: 13.36 min Scan# 3603

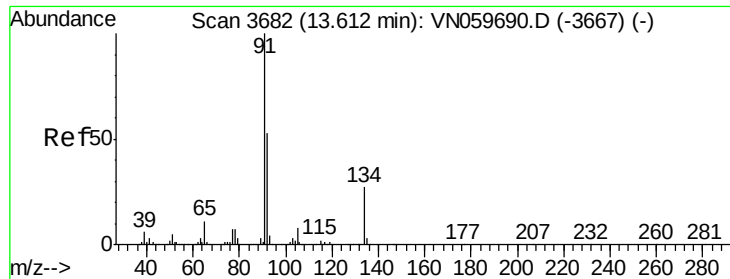
Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	20.8	62.2
148	63.0	31.8	95.4





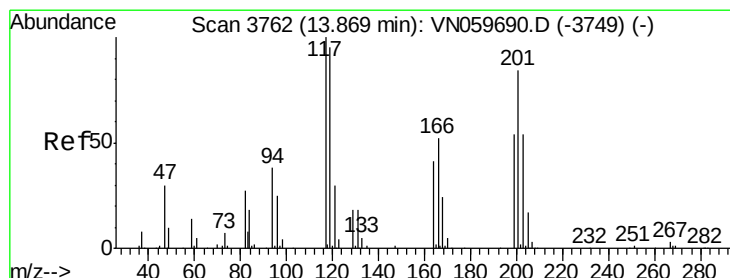
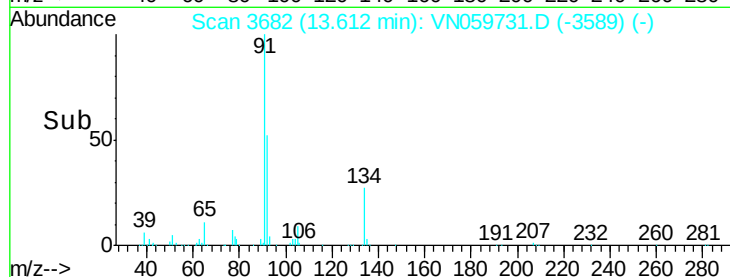
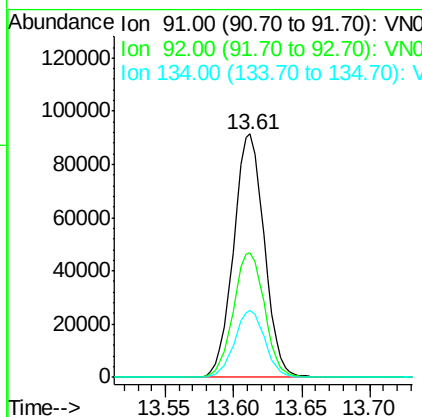
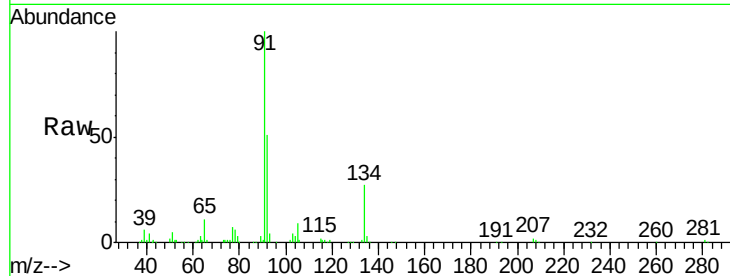
#89
n-Butylbenzene
Concen: 19.984 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.7
134	27.2	12.3	36.8

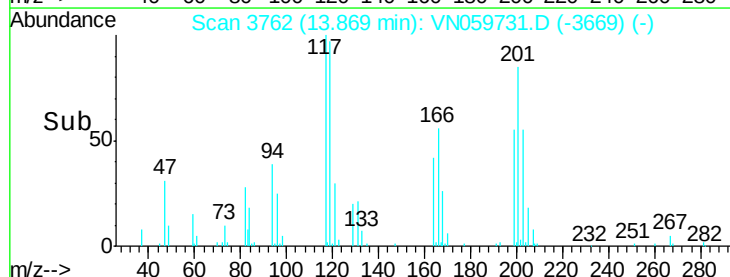
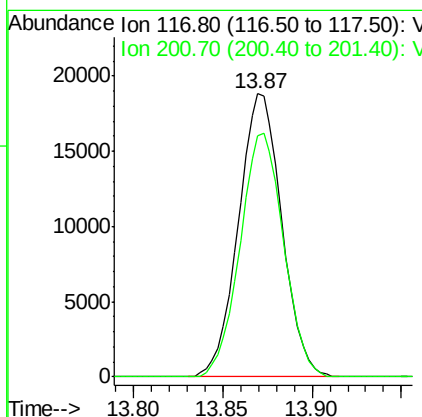
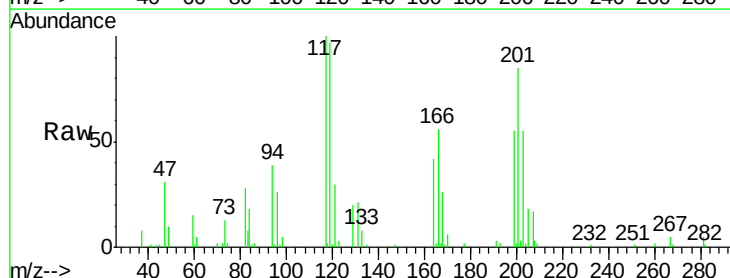
Manual Integrations
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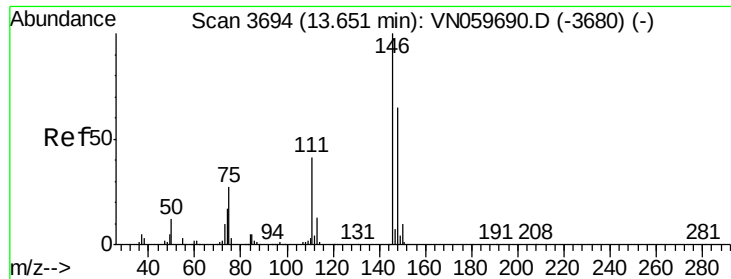
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#90
Hexachloroethane
Concen: 20.289 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059731.D
Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.4	37.8	113.4





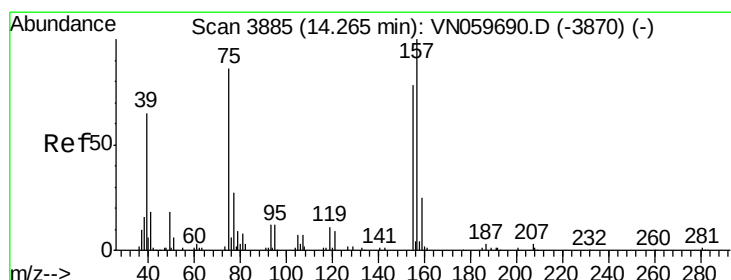
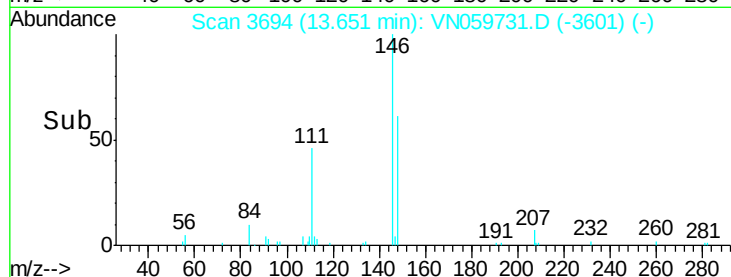
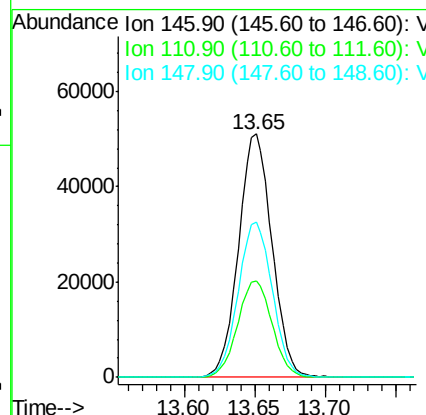
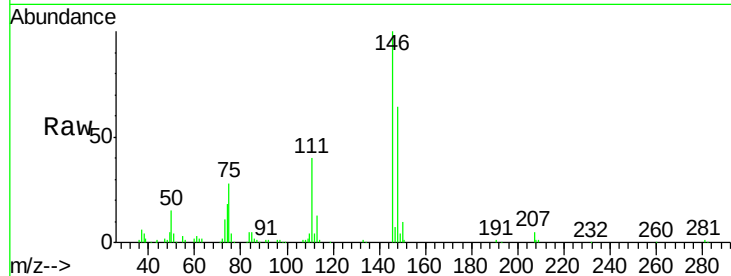
#91
 1,2-Dichlorobenzene
 Concen: 20.595 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	21.6	64.8
148	65.0	31.6	95.0

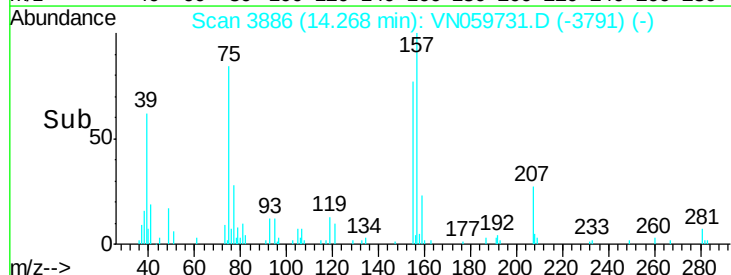
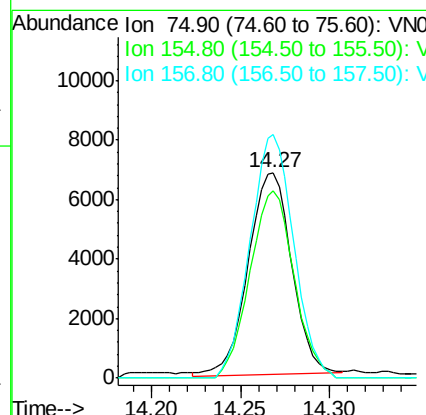
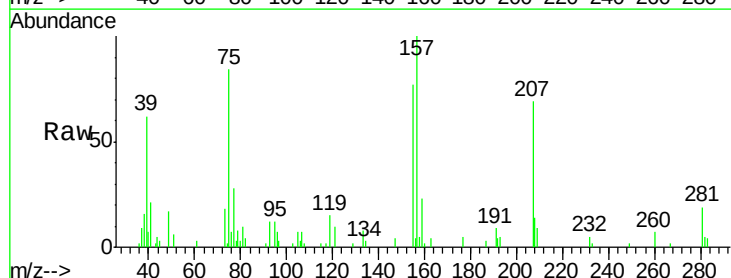
Manual Integrations
 APPROVED

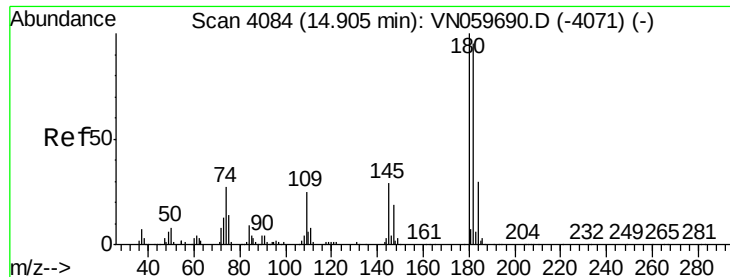
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.209 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	37.0	110.9
157	120.9	48.4	145.2





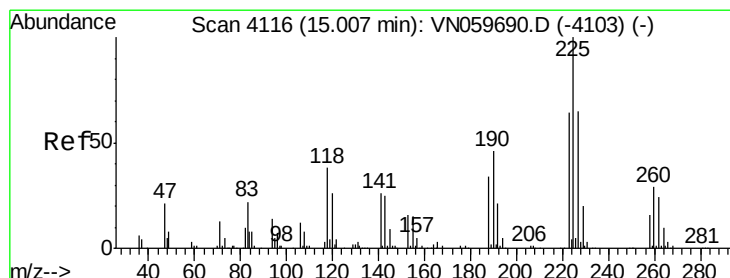
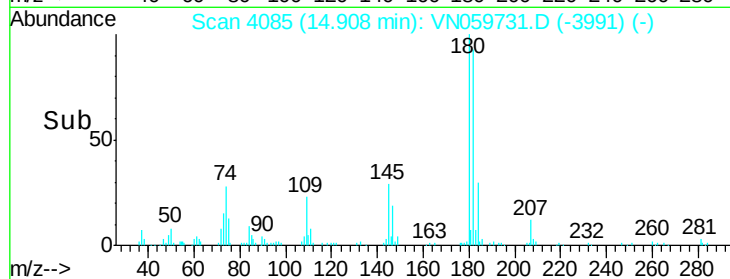
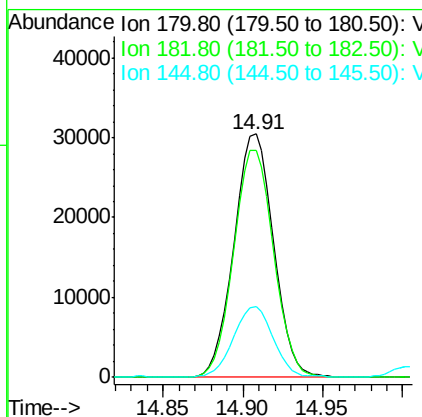
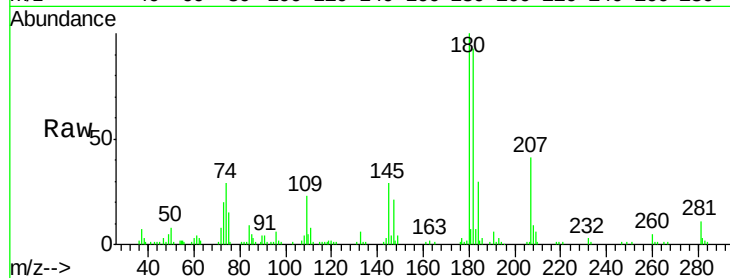
#93
 1,2,4-Trichlorobenzene
 Concen: 20.732 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0116MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.7
145	29.4	15.0	45.1

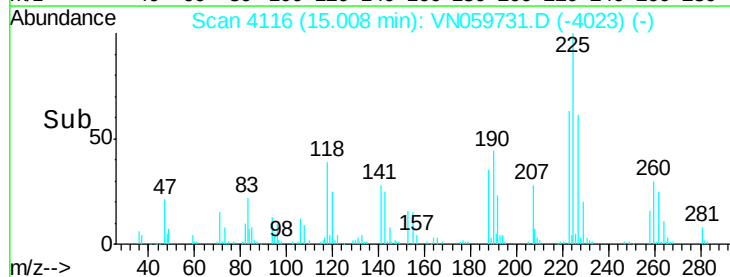
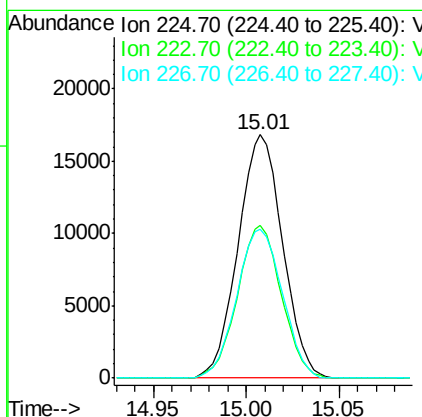
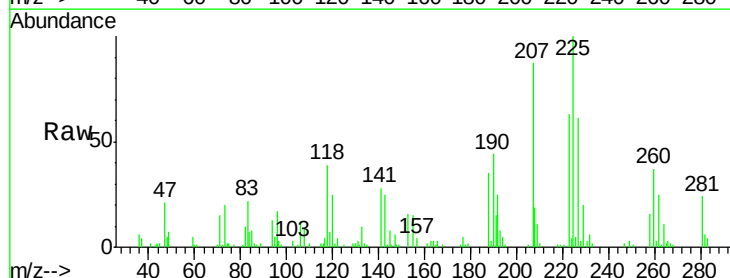
Manual Integrations
 APPROVED

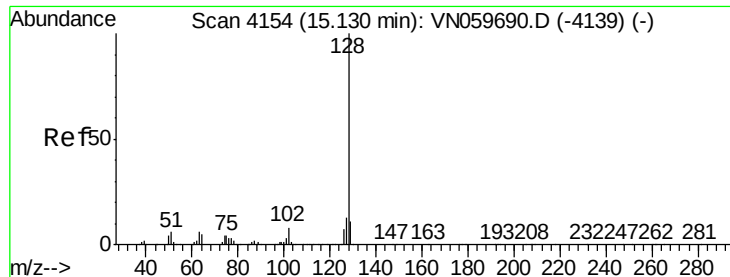
MMDadoda
 1/17/2020 1:53:09 PM



#94
 Hexachlorobutadiene
 Concen: 20.510 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059731.D
 Acq: 16 Jan 2020 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.8	95.3
227	62.6	32.1	96.5





#95

Naphthalene

Concen: 19.995 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Instrument :

MSVOA_N

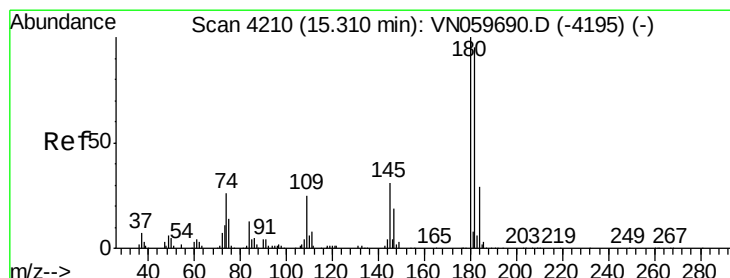
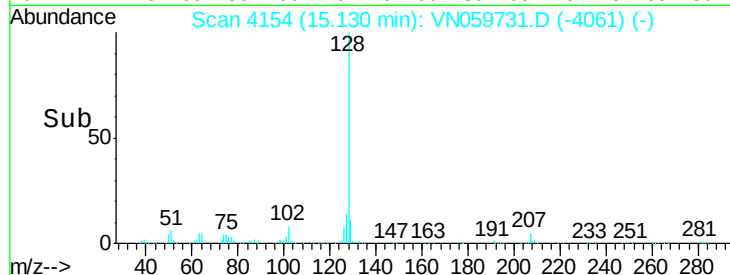
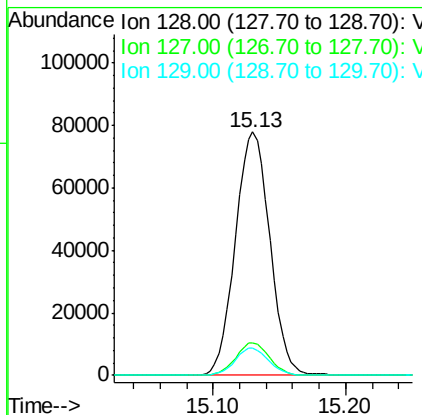
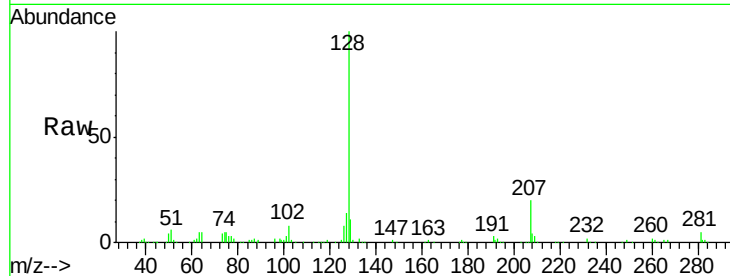
ClientSampleId :

VN0116MBSD01

Tot Ion:	128	Resp:	140935
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/17/2020 1:53:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.784 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059731.D

Acq: 16 Jan 2020 14:55

Tgt Ion:	180	Resp:	50131
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.4	142.3
145	30.7	16.3	48.9

