

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059900.D
 Acq On : 29 Jan 2020 9:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:22:05 AM

Quant Time: Jan 30 00:13:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	303490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138001	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	112986	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.56	113	97178	53.69	ug/l	0.00
Spiked Amount			Recovery	=	107.38%	
50) Toluene-d8	10.08	98	371247	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.40	95	136295	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	116458	49.578	ug/l	97
3) Chloromethane	2.04	50	107900	47.308	ug/l	99
4) Vinyl Chloride	2.17	62	141563	54.246	ug/l	98
5) Bromomethane	2.53	94	85655	53.784	ug/l	99
6) Chloroethane	2.68	64	67977	55.059	ug/l	98
7) Trichlorofluoromethane	3.00	101	170908	54.533	ug/l	100
8) Diethyl Ether	3.38	74	61815	56.203	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100695	57.729	ug/l	91
10) Methyl Iodide	3.93	142	152451	54.071	ug/l	96
11) Tert butyl alcohol	4.73	59	83162	223.288	ug/l	99
12) 1,1-Dichloroethene	3.72	96	96339	52.857	ug/l	87
13) Acrolein	3.58	56	64563	244.887	ug/l	99
14) Allyl chloride	4.29	41	129550	52.733	ug/l #	84
15) Acrylonitrile	4.94	53	222156	261.492	ug/l	100
16) Acetone	3.78	43	259006	347.135	ug/l	94
17) Carbon Disulfide	4.03	76	240057	46.235	ug/l	99
18) Methyl Acetate	4.28	43	133221	51.552	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	331800	55.834	ug/l	95
20) Methylene Chloride	4.52	84	109237	54.696	ug/l	89
21) trans-1,2-Dichloroethene	5.00	96	103566	53.455	ug/l	89
22) Diisopropyl ether	5.91	45	303582	54.529	ug/l #	95
23) Vinyl Acetate	5.86	43	1150808	266.979	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	186665	54.873	ug/l	97
25) 2-Butanone	6.80	43	321600	256.694	ug/l	91
26) 2,2-Dichloropropane	6.79	77	182404	55.774	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	124247	55.756	ug/l	88
28) Bromochloromethane	7.17	49	65780	48.380	ug/l #	71
29) Tetrahydrofuran	7.18	42	182853	235.889	ug/l #	86
30) Chloroform	7.35	83	201932	57.291	ug/l	100
31) Cyclohexane	7.63	56	155352	47.459	ug/l	90
32) 1,1,1-Trichloroethane	7.54	97	185784	57.008	ug/l	96
36) 1,1-Dichloropropene	7.77	75	145356	54.999	ug/l	96
37) Ethyl Acetate	6.90	43	120491	48.608	ug/l #	95
38) Carbon Tetrachloride	7.75	117	163003	56.698	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	168550	51.722	ug/l	90
40) Benzene	8.02	78	432677	54.894	ug/l	100
41) Methacrylonitrile	7.15	41	60375m	49.449	ug/l	
42) 1,2-Dichloroethane	8.10	62	152786	57.171	ug/l	95
43) Isopropyl Acetate	8.14	43	217891	51.104	ug/l #	94
44) Trichloroethene	8.82	130	129079	59.988	ug/l	93
45) 1,2-Dichloropropane	9.10	63	111000	56.911	ug/l	100
46) Dibromomethane	9.19	93	79397	57.708	ug/l	91
47) Bromodichloromethane	9.38	83	163760	59.065	ug/l	100
48) Methyl methacrylate	9.18	41	94872	49.746	ug/l	86
49) 1,4-Dioxane	9.18	88	35316	1011.556	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	616580	250.165	ug/l	93
52) Toluene	10.14	92	284878	57.219	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	183770	59.361	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	193293	59.341	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	115137	58.390	ug/l	98
56) Ethyl methacrylate	10.42	69	164013	54.435	ug/l	91
57) 1,3-Dichloropropane	10.70	76	183778	58.705	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	270685	298.268	ug/l #	90
59) 2-Hexanone	10.74	43	475958	262.128	ug/l	94
60) Dibromochloromethane	10.89	129	135611	60.393	ug/l	100
61) 1,2-Dibromoethane	10.99	107	120180	58.150	ug/l	98
64) Tetrachloroethene	10.62	164	130893	57.975	ug/l	96
65) Chlorobenzene	11.43	112	318011	58.405	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	125540	59.670	ug/l	98
67) Ethyl Benzene	11.50	91	565381	57.200	ug/l	98
68) m/p-Xylenes	11.62	106	428546	114.777	ug/l	94
69) o-Xylene	11.94	106	207781	56.843	ug/l	94
70) Styrene	11.96	104	349950	57.213	ug/l	97
71) Bromoform	12.12	173	101517	60.238	ug/l #	99
73) Isopropylbenzene	12.25	105	560404	55.371	ug/l	99
74) N-amyl acetate	12.06	43	192518	49.021	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	152799	52.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128499m	55.330	ug/l	
77) Bromobenzene	12.52	156	146596	57.197	ug/l	80
78) n-propylbenzene	12.59	91	637199	56.093	ug/l	97
79) 2-Chlorotoluene	12.67	91	373208	55.226	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	474007	55.689	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58255	53.868	ug/l	92
82) 4-Chlorotoluene	12.77	91	386922	57.083	ug/l	94
83) tert-Butylbenzene	12.99	119	399715	54.298	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	473251	56.201	ug/l	98
85) sec-Butylbenzene	13.17	105	530628	54.863	ug/l	98
86) p-Isopropyltoluene	13.28	119	489687	54.717	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	256666	57.651	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	257929	58.074	ug/l	97
89) n-Butylbenzene	13.61	91	421417	55.227	ug/l	98
90) Hexachloroethane	13.87	117	91117	54.417	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	250371	56.885	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31281	49.657	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	149534	56.541	ug/l	98
94) Hexachlorobutadiene	15.01	225	71910	49.341	ug/l	99
95) Naphthalene	15.13	128	386540	51.384	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	138886	53.952	ug/l	99

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

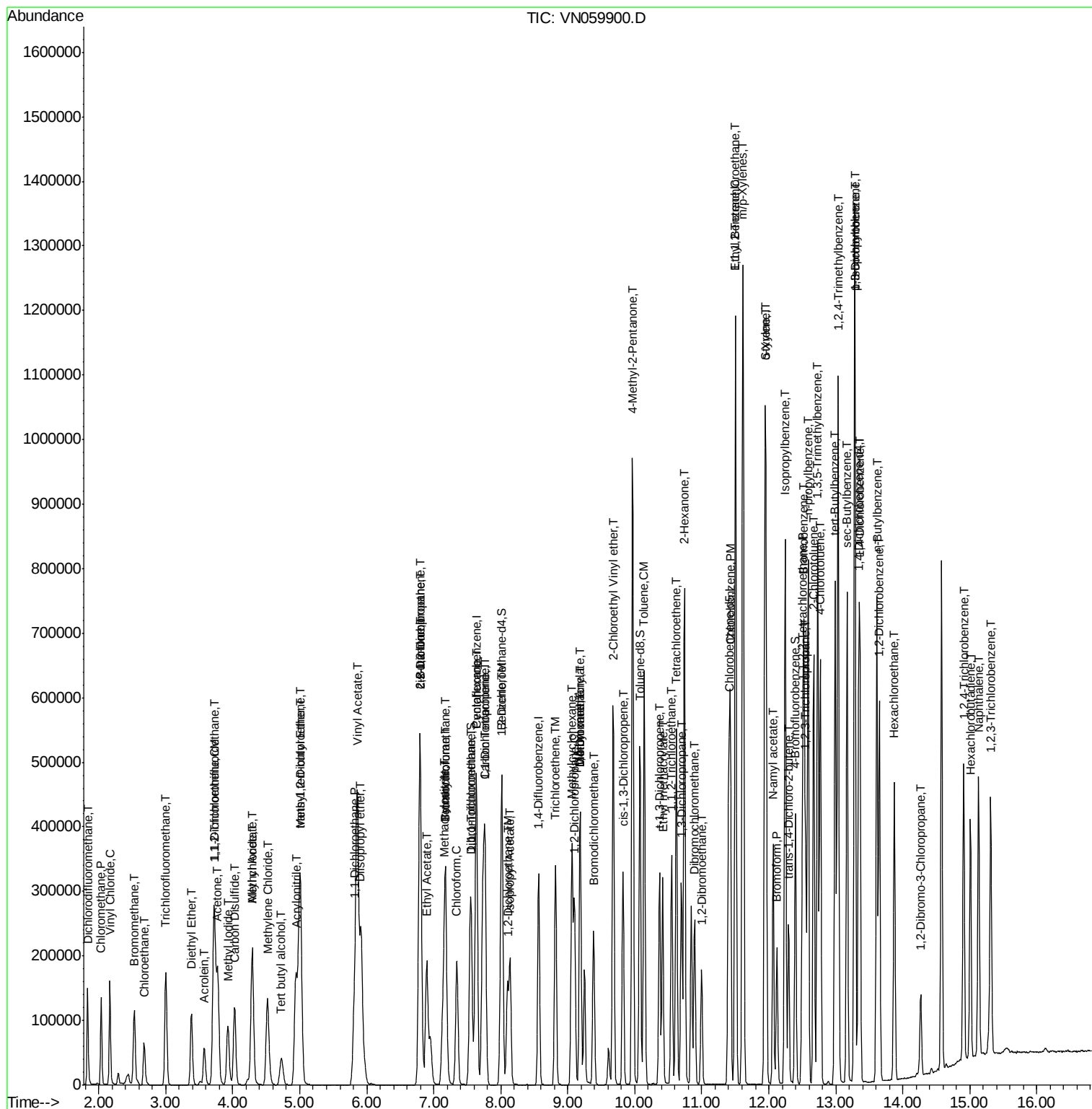
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion:168 Resp: 199219

Ion Ratio Lower Upper

168 100

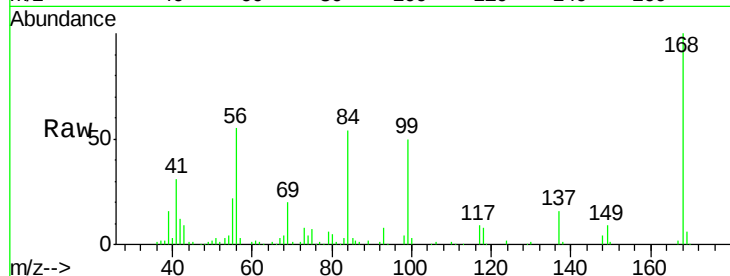
99 50.3 48.2 72.4

Manual Integrations

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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

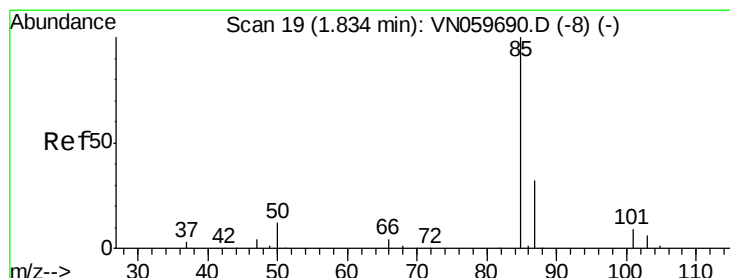
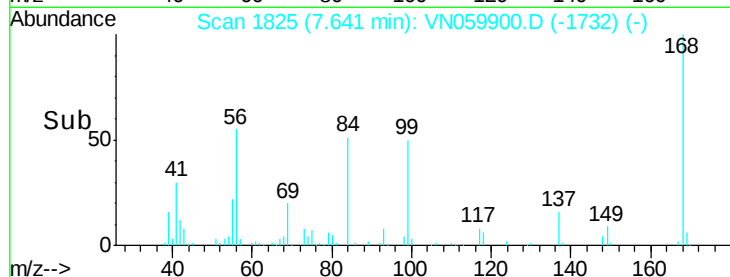
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.578 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059900.D

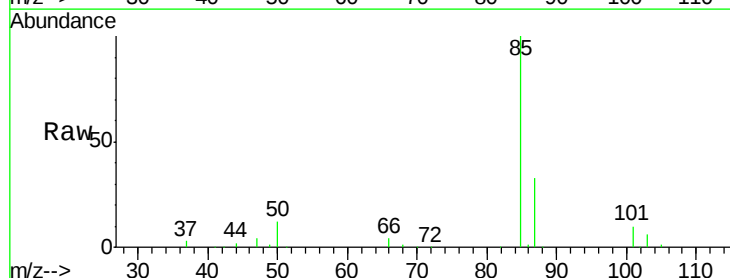
Acq: 29 Jan 2020 9:51

Tgt Ion: 85 Resp: 116458

Ion Ratio Lower Upper

85 100

87 33.4 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

80000

60000

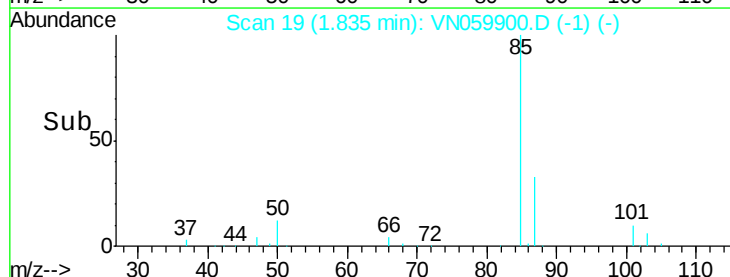
40000

20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.308 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 107900

Ion Ratio Lower Upper

50 100

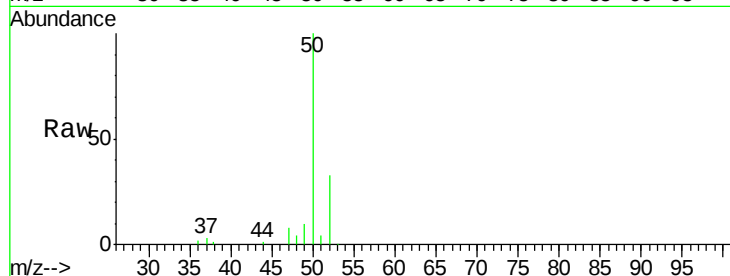
52 33.0 25.9 38.9

Manual Integrations

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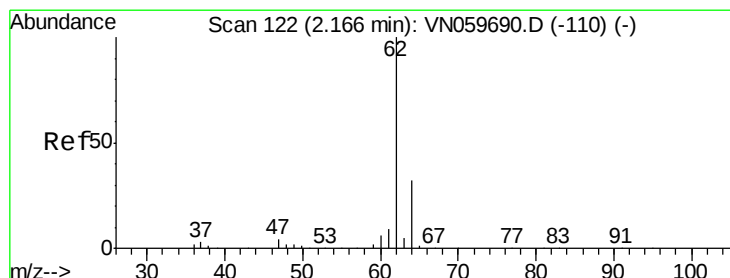
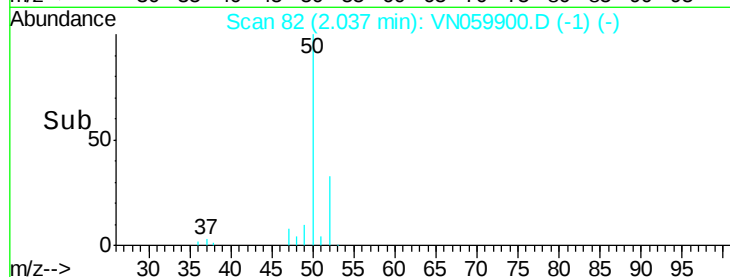
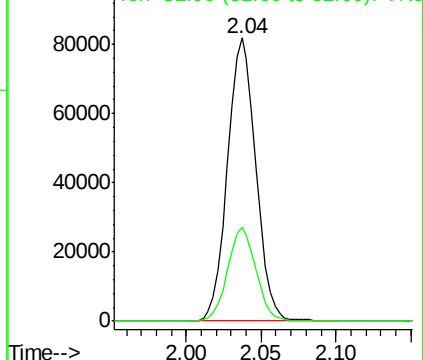
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 54.246 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059900.D

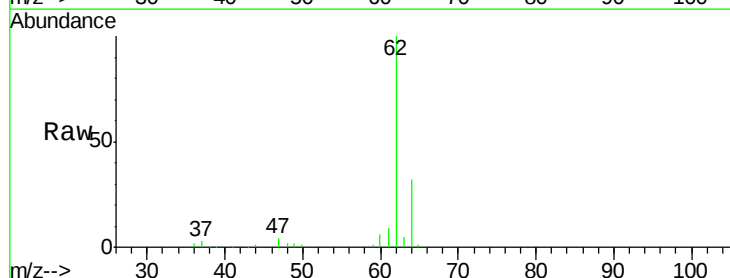
Acq: 29 Jan 2020 9:51

Tgt Ion: 62 Resp: 141563

Ion Ratio Lower Upper

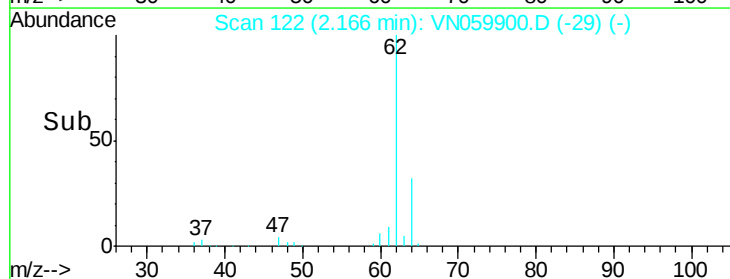
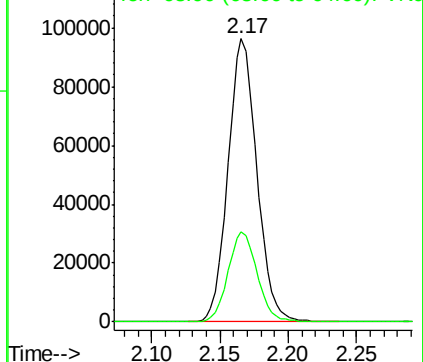
62 100

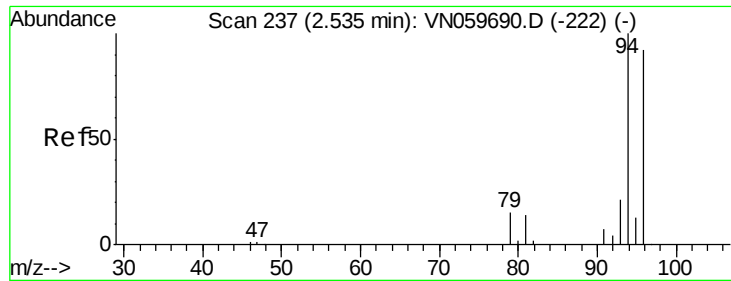
64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 53.784 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

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Tot Ion: 94 Resp: 85655

Ion Ratio Lower Upper

94 100

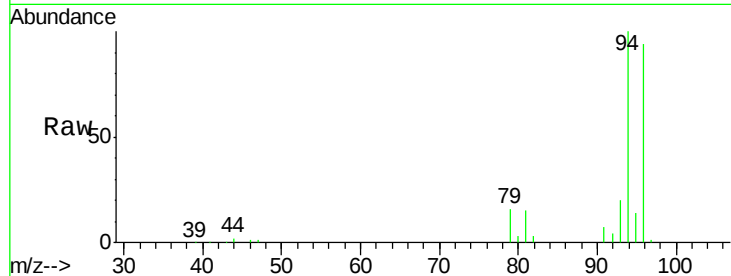
96 94.0 74.7 112.1

Manual Integrations

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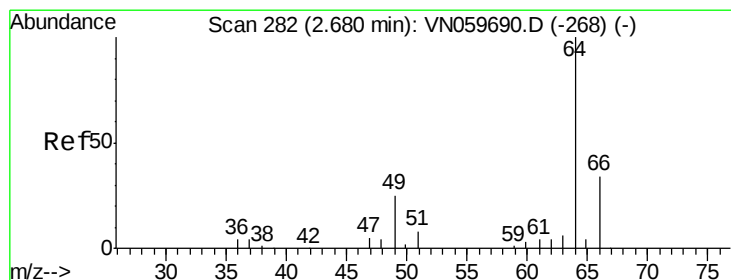
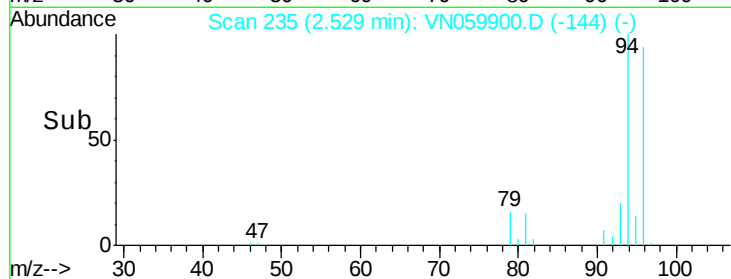
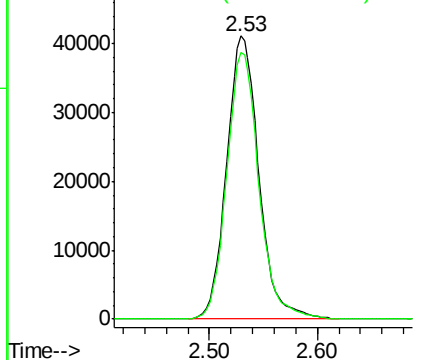
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.059 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059900.D

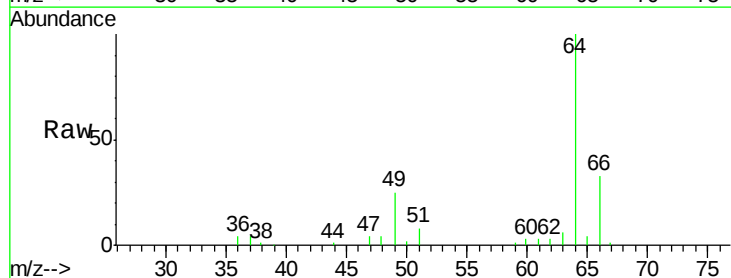
Acq: 29 Jan 2020 9:51

Tgt Ion: 64 Resp: 67977

Ion Ratio Lower Upper

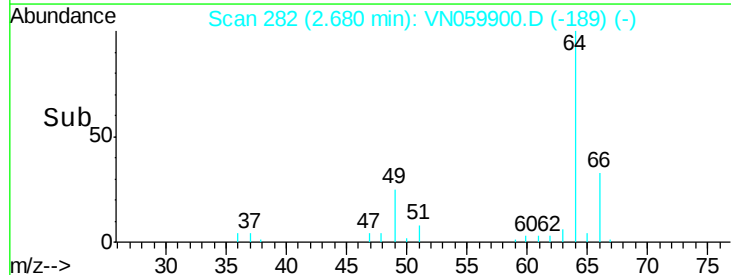
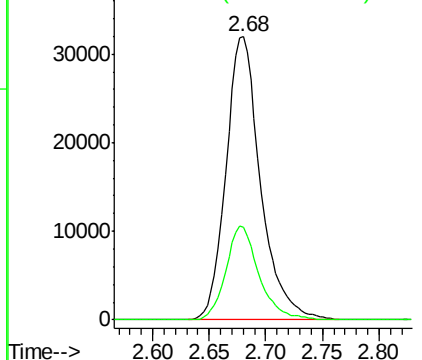
64 100

66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

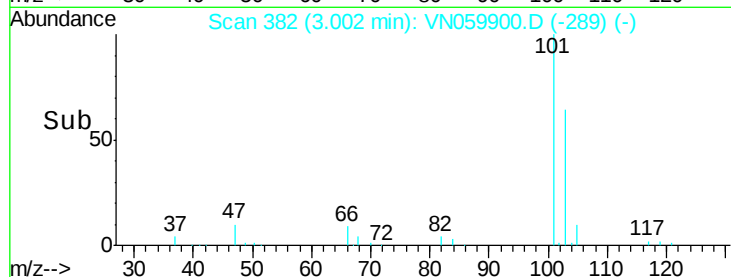
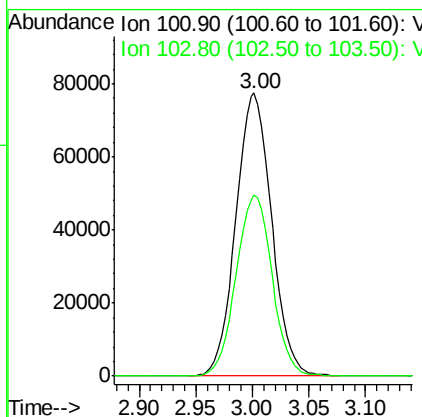
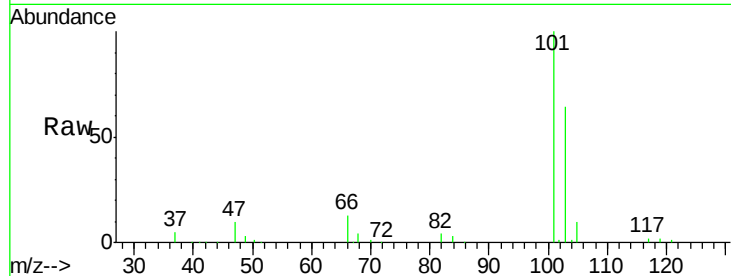
Trichlorofluoromethane
 Concen: 54.533 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		170908		
103	63.8	51.0	76.6		

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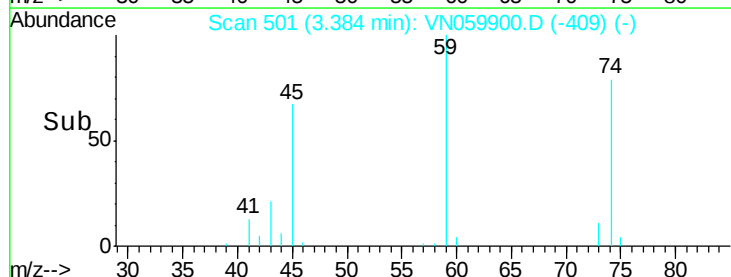
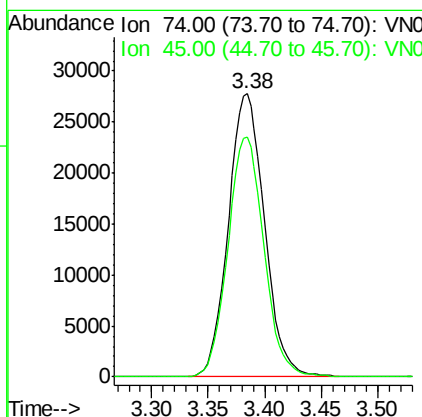
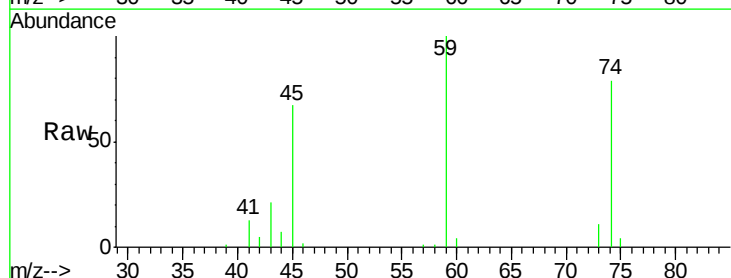
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#8

Diethyl Ether
 Concen: 56.203 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059900.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		61815		
45	84.3	51.9	155.8		





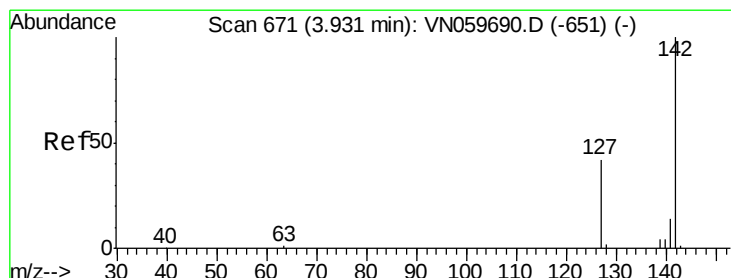
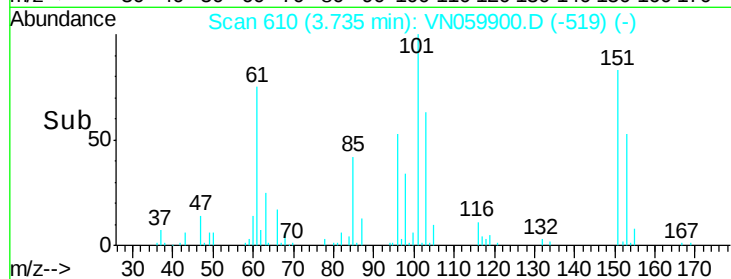
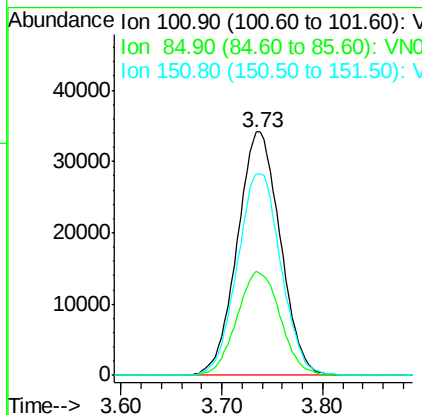
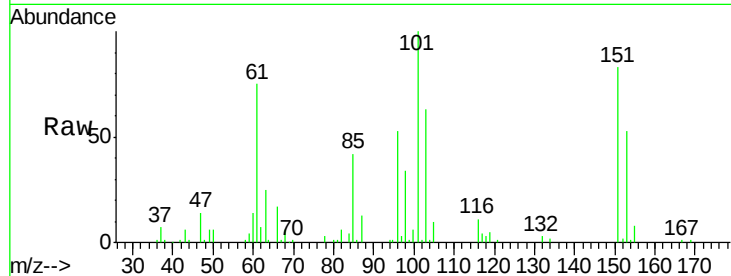
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 57.729 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100695		
85	43.0		36.6	54.8
151	84.3		59.7	89.5

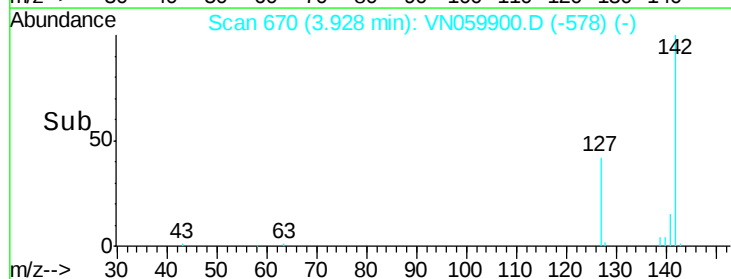
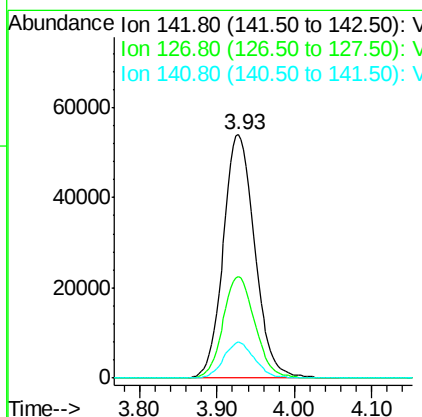
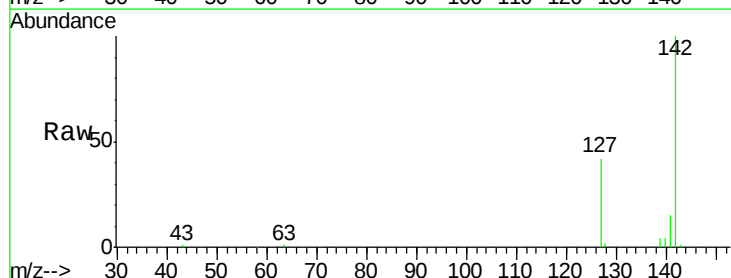
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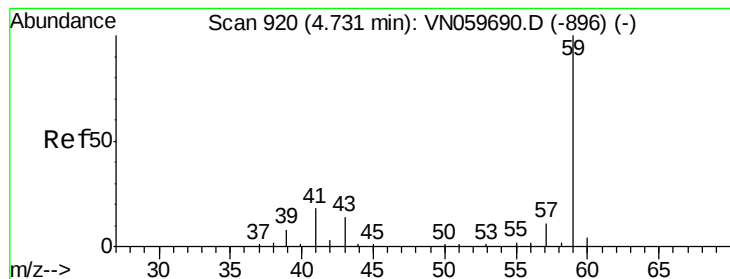
MMDadoda
 1/30/2020 10:22:05 AM



#10
 Methyl Iodide
 Concen: 54.071 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	152451		
127	42.2		36.7	55.1
141	14.4		11.7	17.5





#11

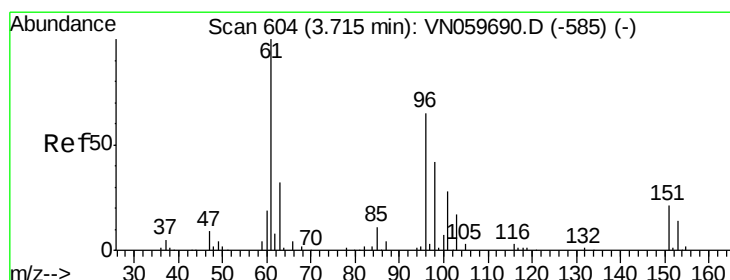
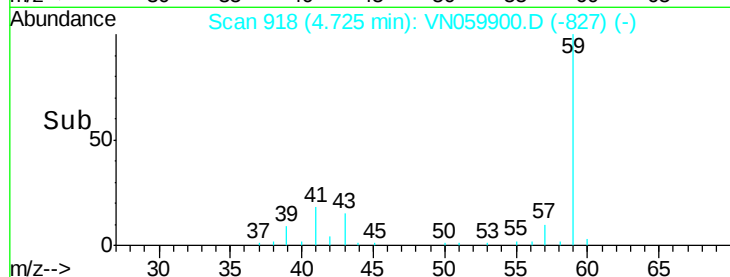
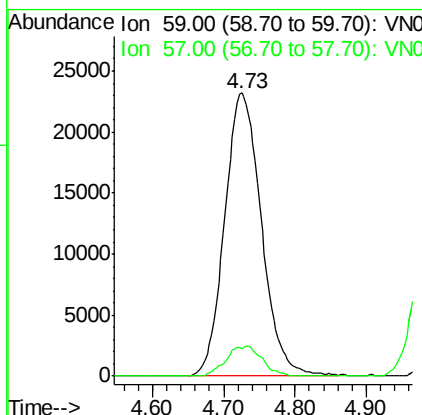
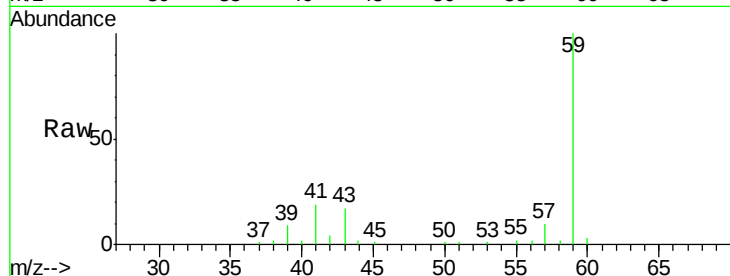
Tert butyl alcohol
 Concen: 223.288 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

Manual Integrations
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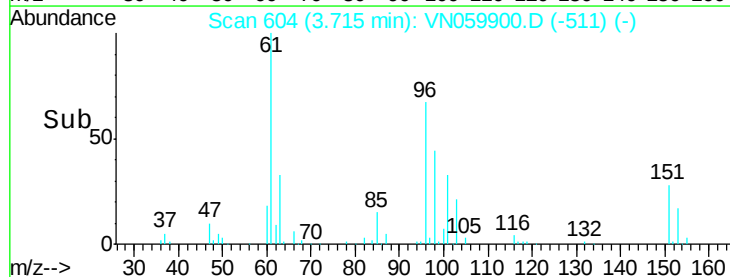
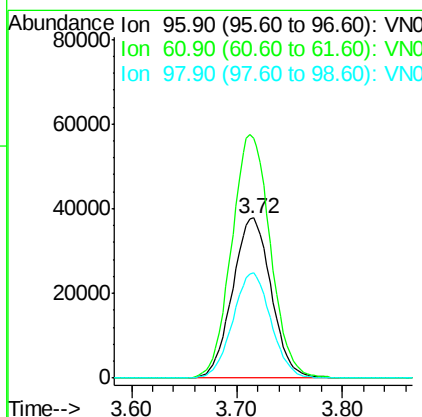
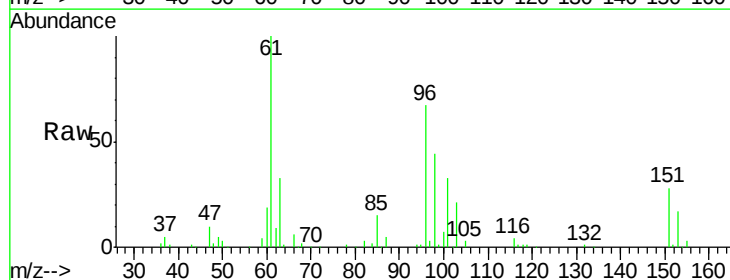
MMDadoda
 1/30/2020 10:22:05 AM



#12

1,1-Dichloroethene
 Concen: 52.857 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	137.5	206.3
98	65.7	50.2	75.4





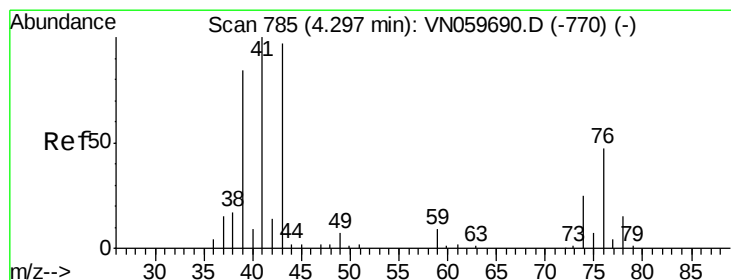
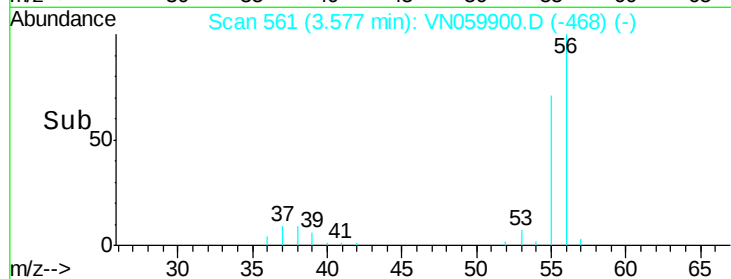
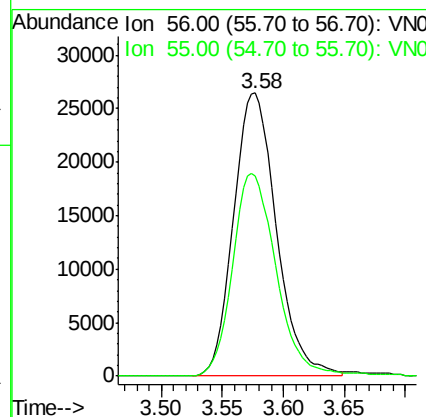
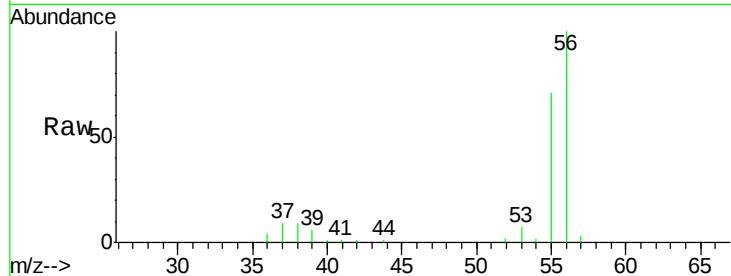
#13
Acrolein
Concen: 244.887 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	64563
Ion Ratio	100	Lower	Upper
56	100		
55	72.7	58.6	88.0

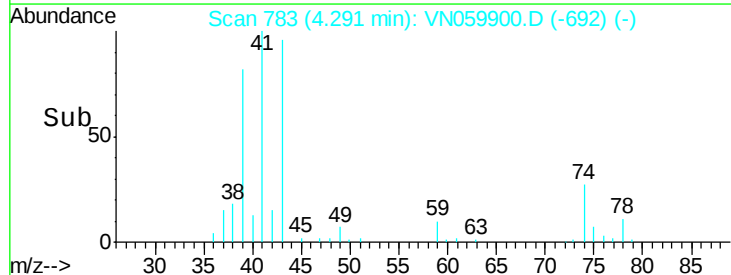
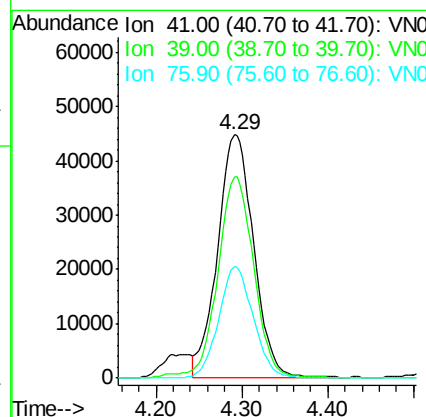
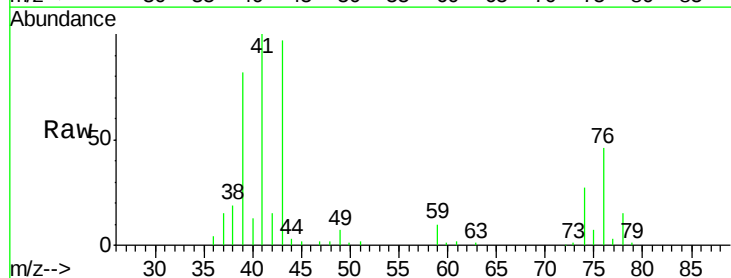
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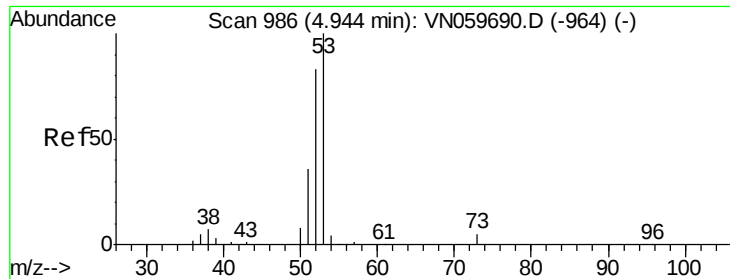
MMDadoda
1/30/2020 10:22:05 AM



#14
Allyl chloride
Concen: 52.733 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	41	Resp	129550
Ion Ratio	100	Lower	Upper
41	100		
39	83.6	57.8	86.8
76	44.3	25.4	38.0





#15

Acrylonitrile

Concen: 261.492 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

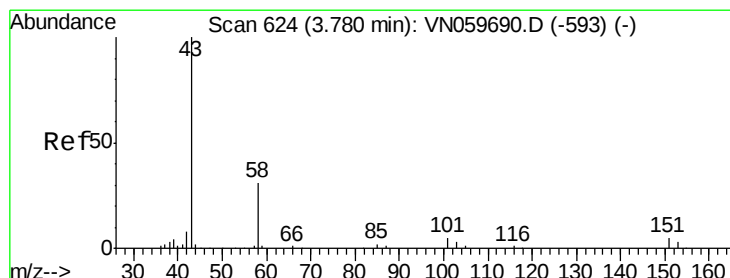
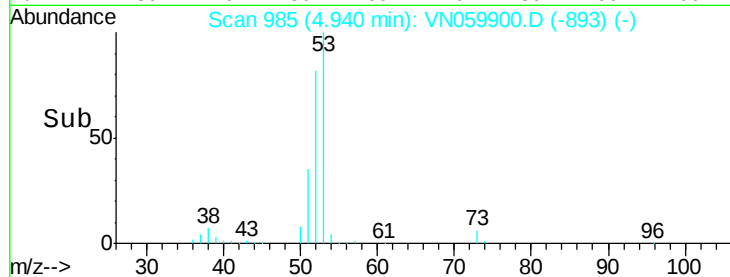
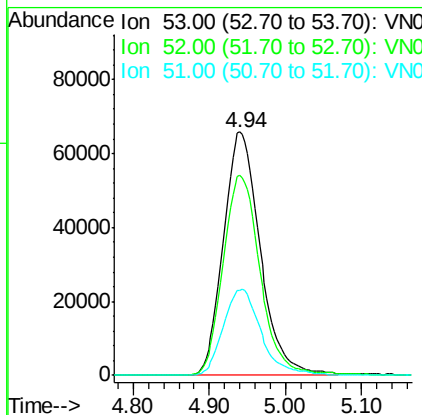
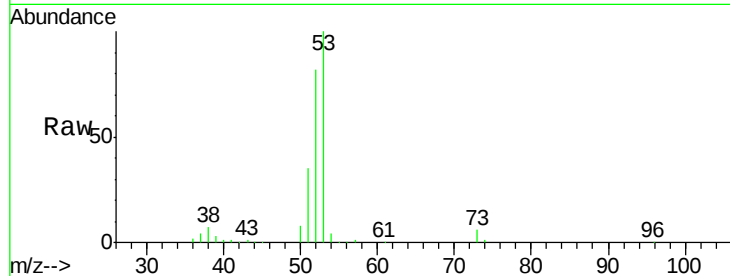
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	222156
Ion Ratio		Lower	Upper
53	100		
52	82.8	66.3	99.5
51	36.5	29.7	44.5

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#16

Acetone

Concen: 347.135 ug/l

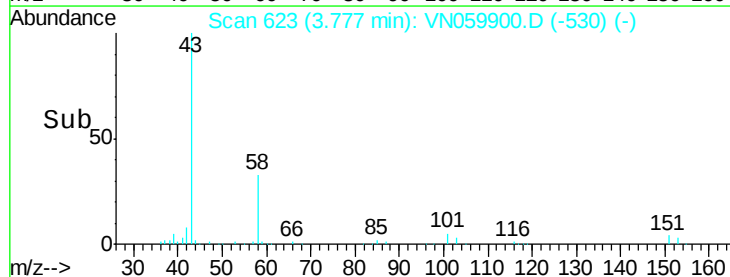
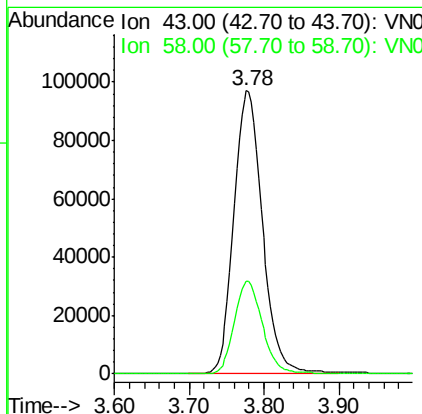
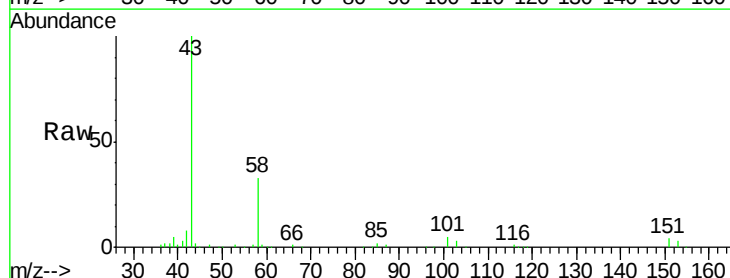
RT: 3.78 min Scan# 623

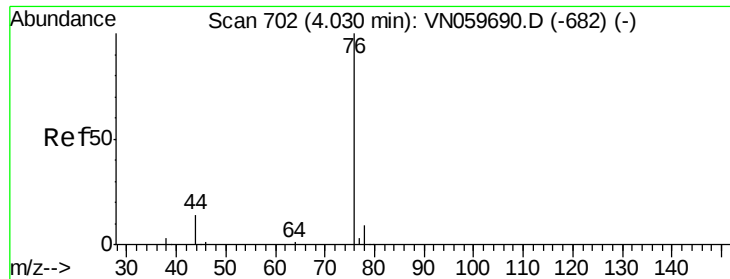
Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	43	Resp:	259006
Ion Ratio		Lower	Upper
43	100		
58	32.7	23.6	35.4





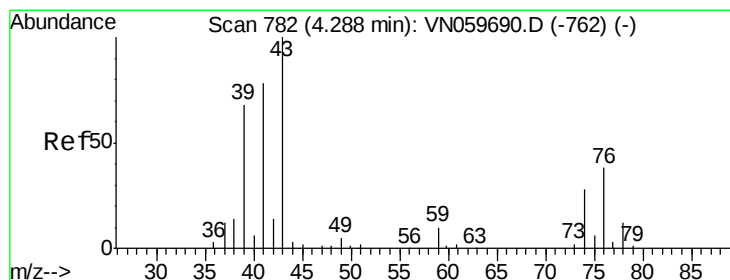
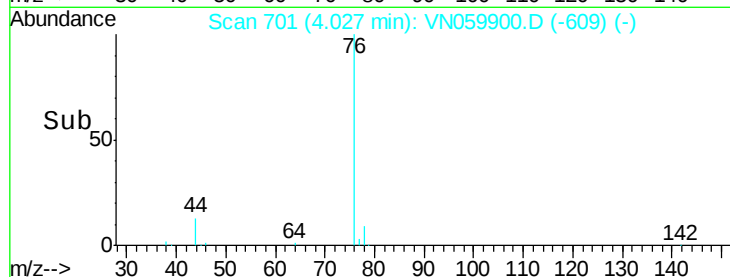
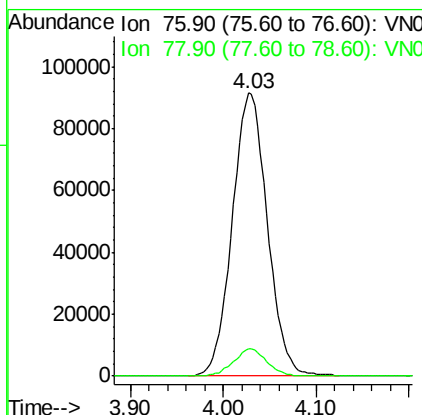
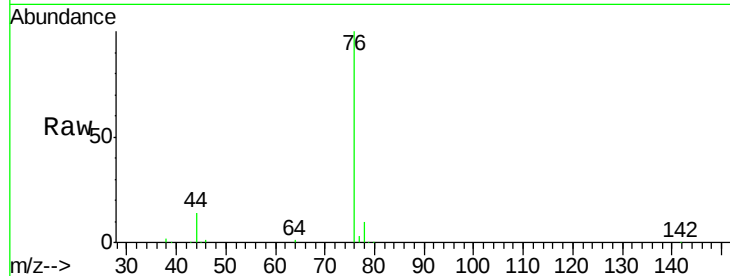
#17
Carbon Disulfide
Concen: 46.235 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

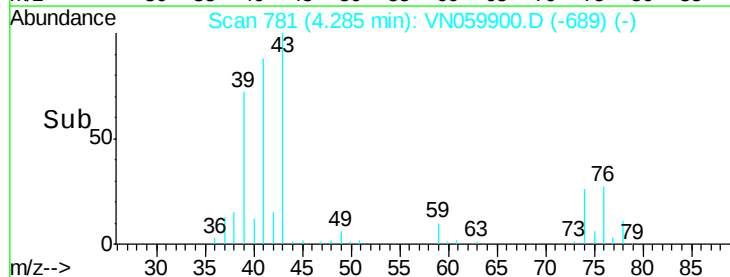
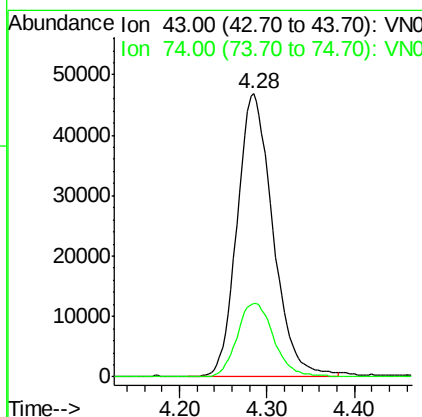
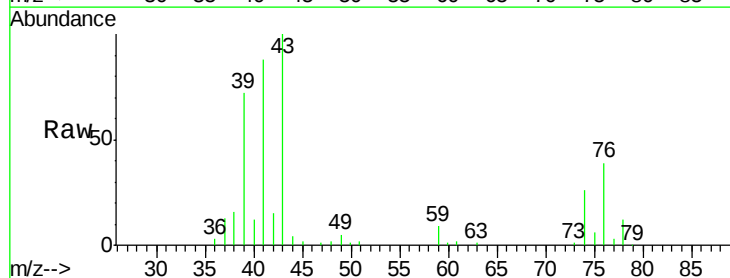
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#18
Methyl Acetate
Concen: 51.552 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	17.5	26.3#





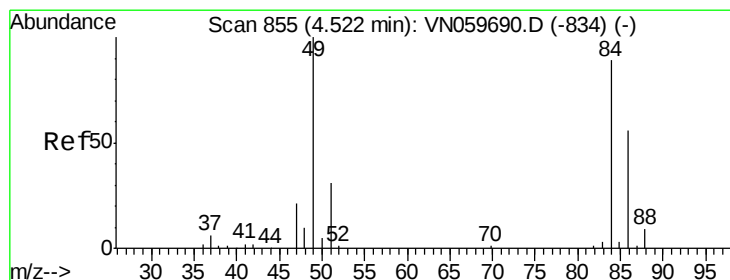
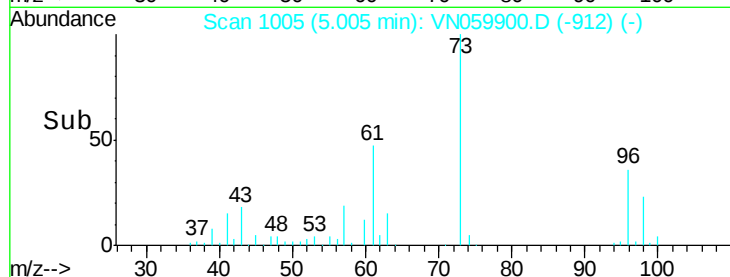
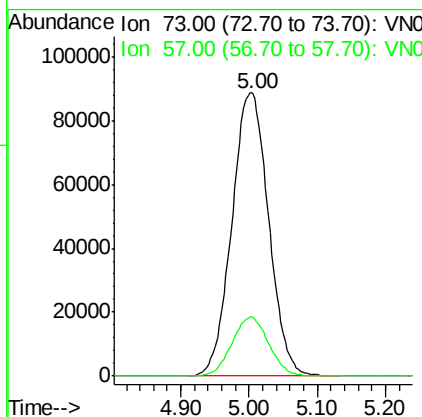
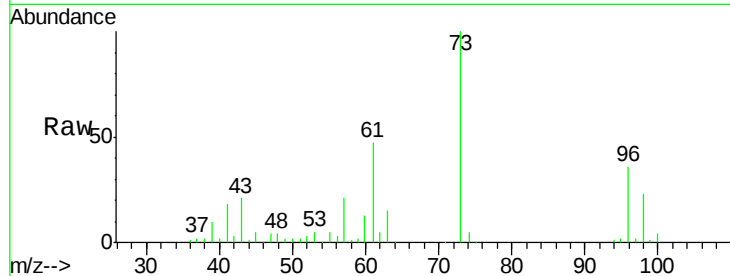
#19
Methvl tert-butvl Ether
Concen: 55.834 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 331800
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

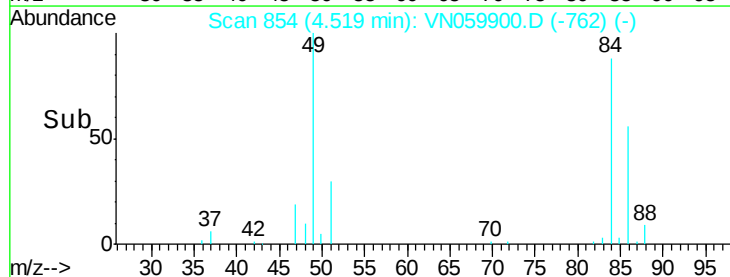
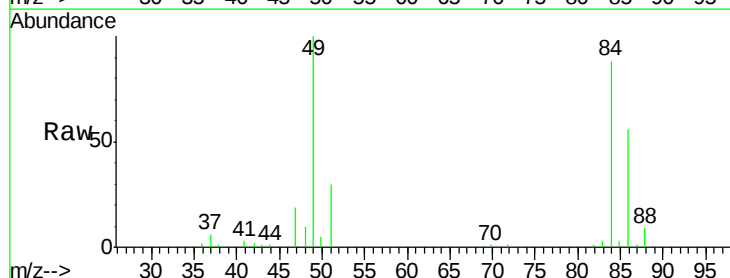
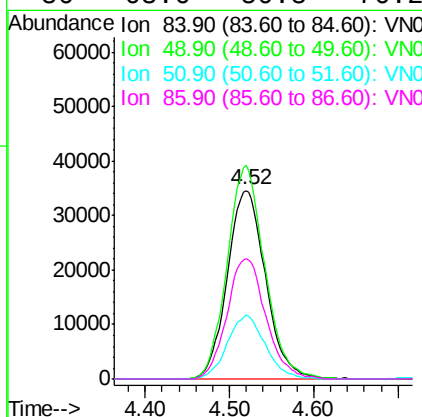
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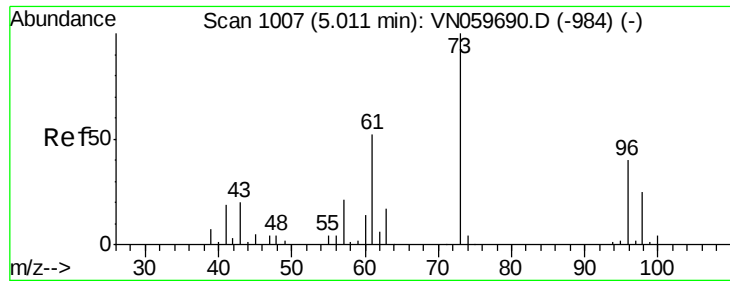
MMDadoda
1/30/2020 10:22:05 AM



#20
Methylene Chloride
Concen: 54.696 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion: 84 Resp: 109237
Ion Ratio Lower Upper
84 100
49 113.3 106.6 160.0
51 33.8 31.9 47.9
86 63.6 50.8 76.2





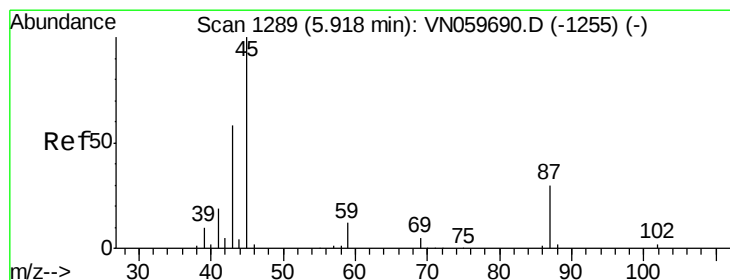
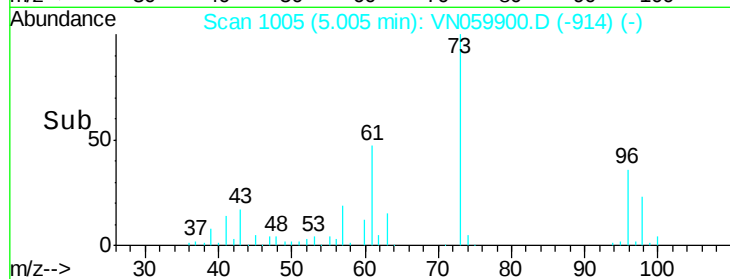
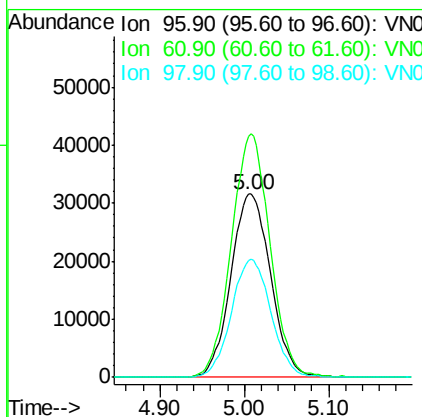
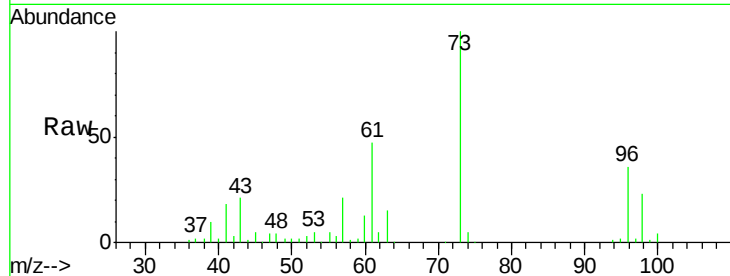
#21
trans-1,2-Dichloroethene
Concen: 53.455 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	120.4	180.6
98	63.9	50.6	75.8

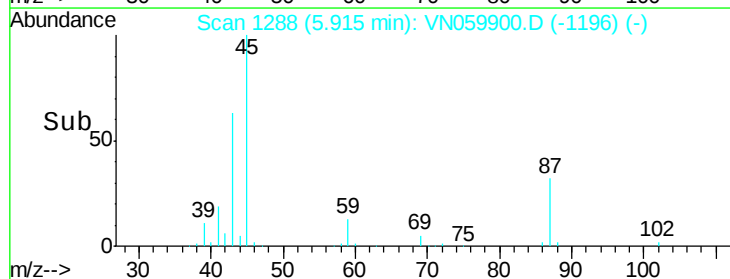
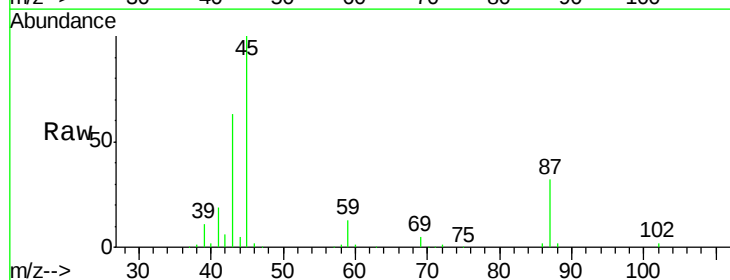
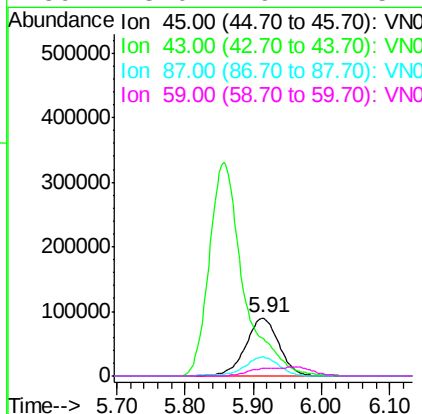
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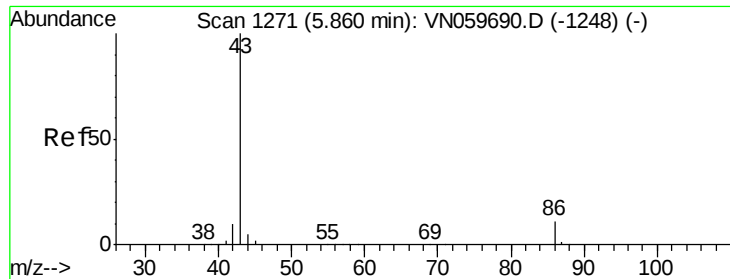
MMDadoda
1/30/2020 10:22:05 AM



#22
Diisopropyl ether
Concen: 54.529 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.1	50.8	76.2
87	32.5	21.0	31.6
59	13.0	9.1	13.7





#23

Vinyl Acetate

Concen: 266.979 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1150808

Ion Ratio Lower Upper

43 100

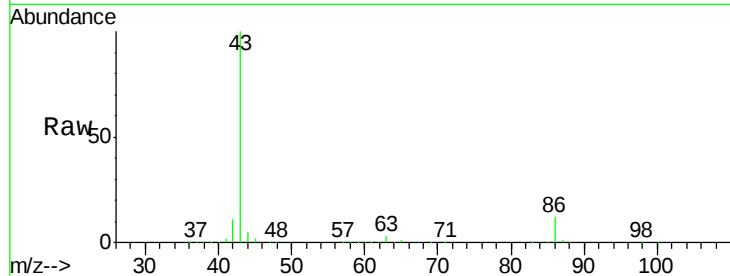
86 11.9 7.6 11.4#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059900.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059900.D (-1178) (-)

5.86

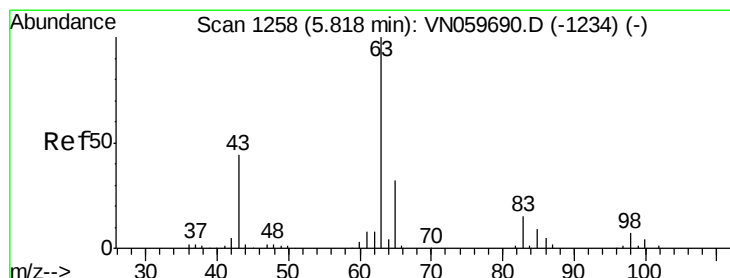
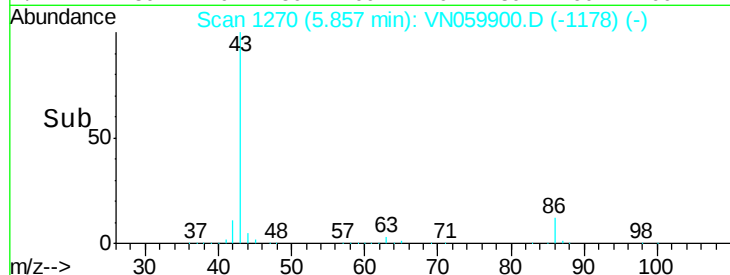
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.873 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

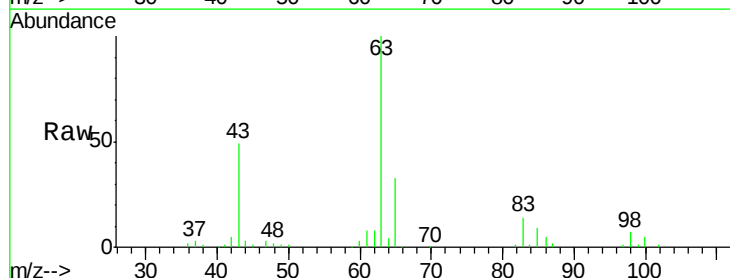
Tgt Ion: 63 Resp: 186665

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059900.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059900.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059900.D (-1165) (-)

5.82

80000

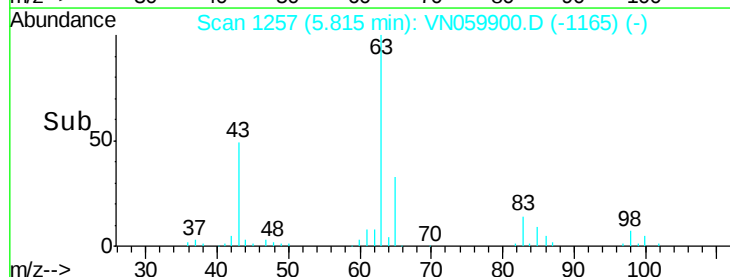
60000

40000

20000

0

Time-->





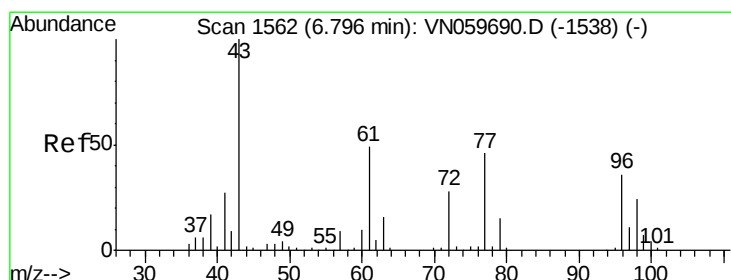
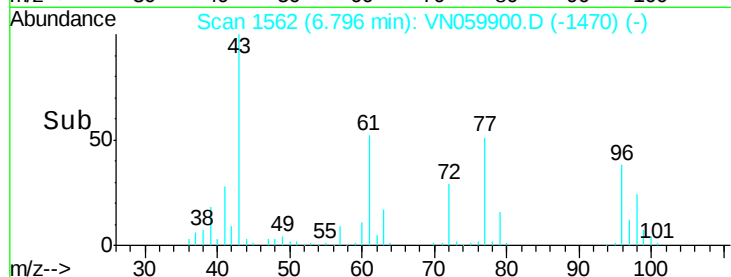
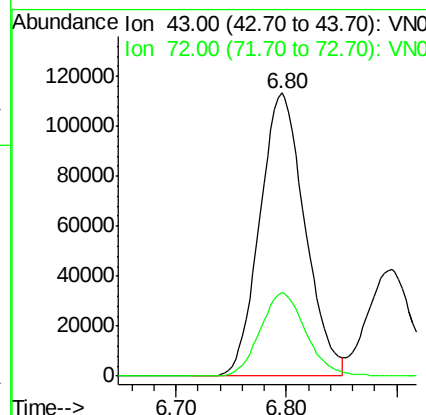
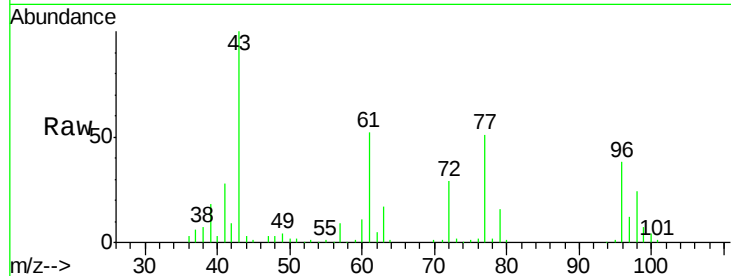
#25
2-Butanone
Concen: 256.694 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 321600
Ion Ratio Lower Upper
43 100
72 29.4 19.9 29.9

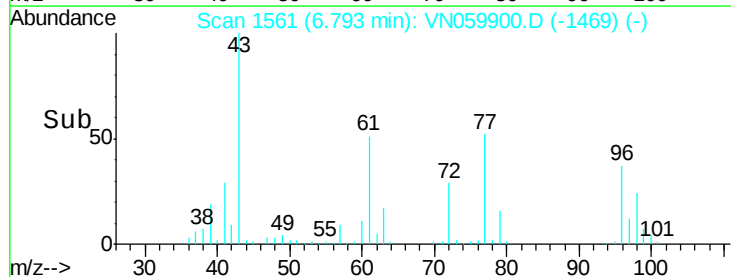
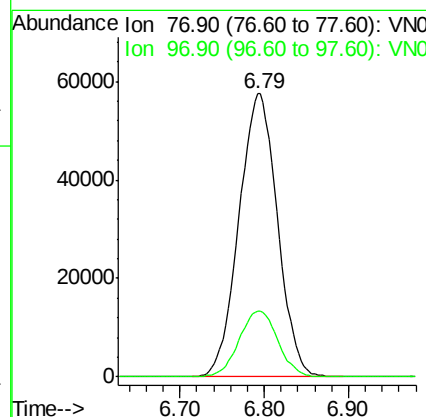
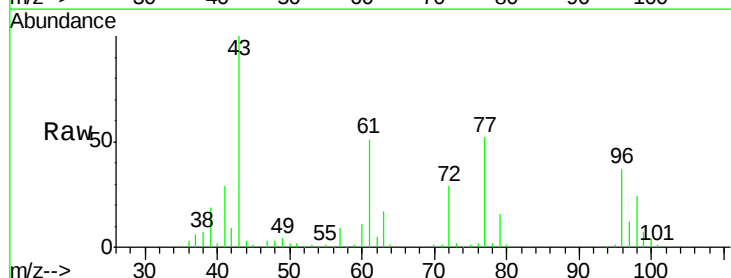
Manual Integrations
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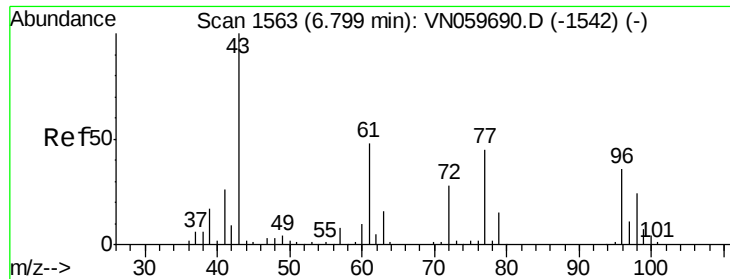
MMDadoda
1/30/2020 10:22:05 AM



#26
2,2-Dichloropropane
Concen: 55.774 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion: 77 Resp: 182404
Ion Ratio Lower Upper
77 100
97 23.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 55.756 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

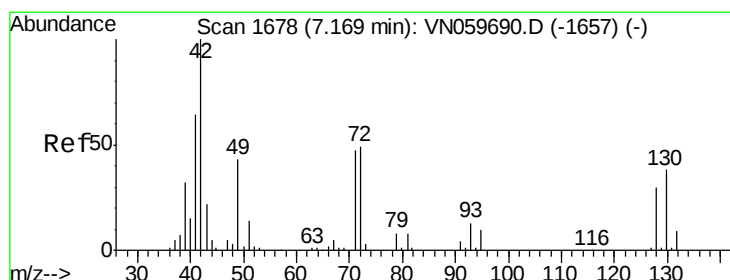
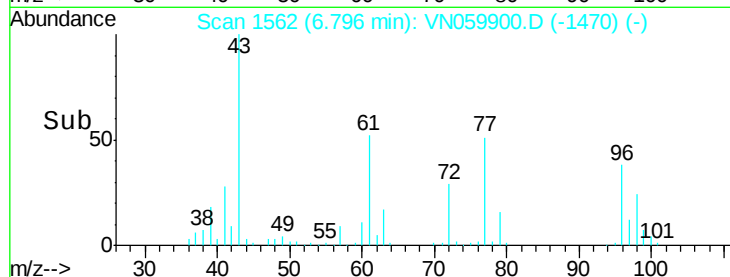
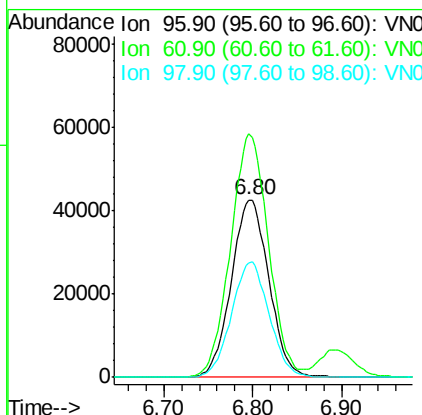
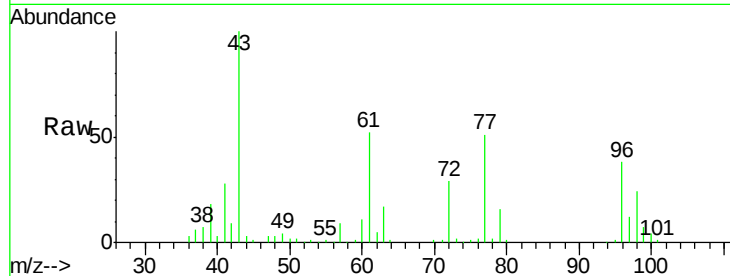
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	124247
Ion Ratio	Lower	Upper	
96	100		
61	138.4	0.0	317.6
98	65.1	0.0	127.0

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#28

Bromochloromethane

Concen: 48.380 ug/l

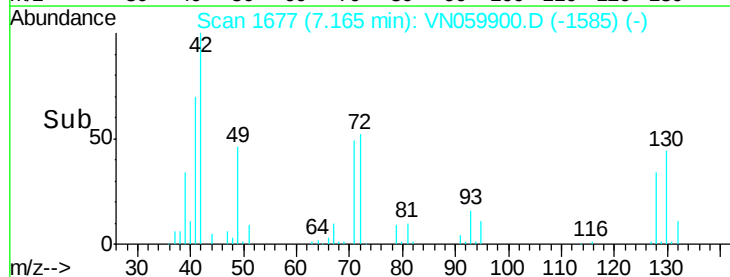
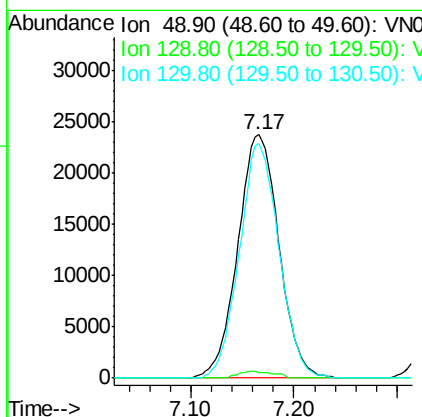
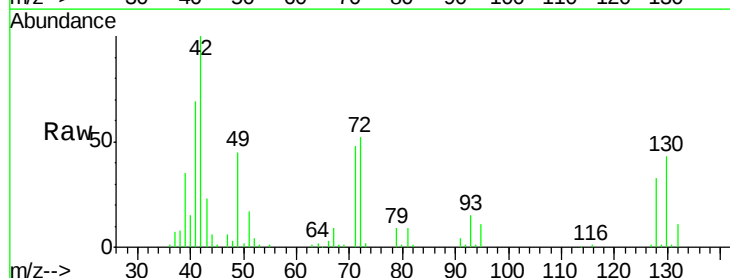
RT: 7.17 min Scan# 1677

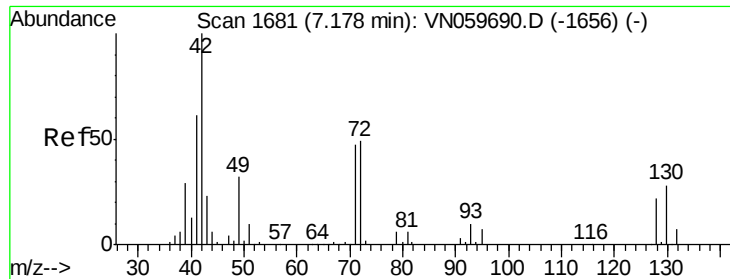
Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	49	Resp:	65780
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.4
130	92.7	54.7	82.1#





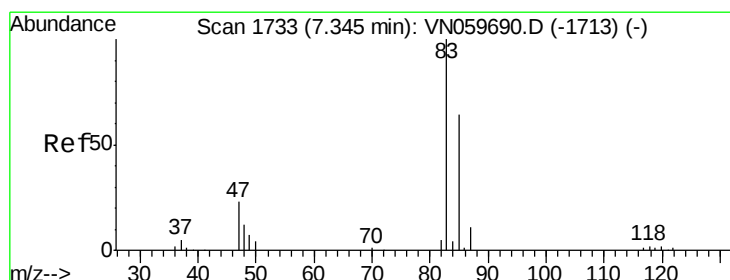
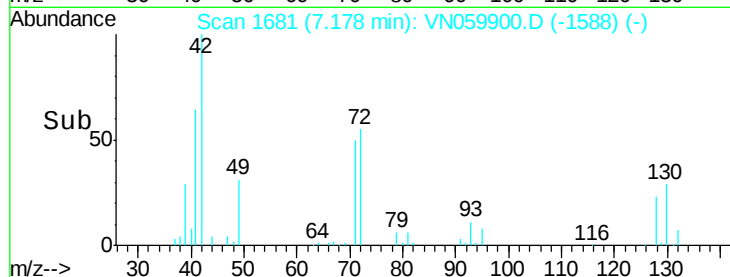
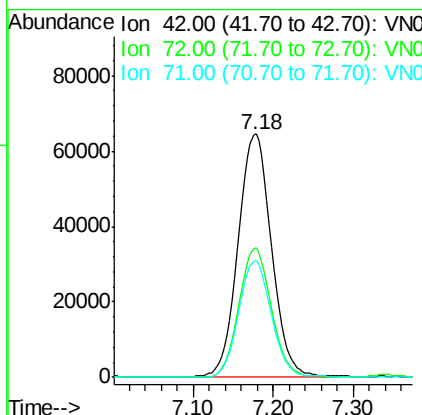
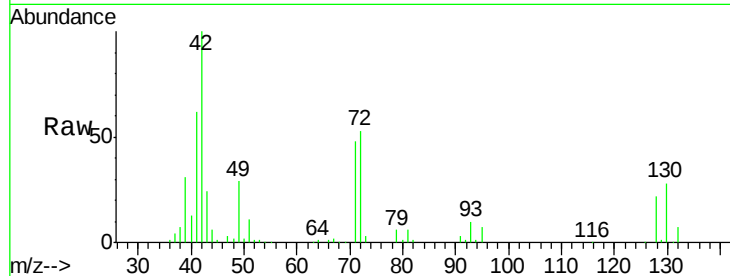
#29
Tetrahydrofuran
Concen: 235.889 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	33.1	49.7#
71	46.9	31.4	47.0

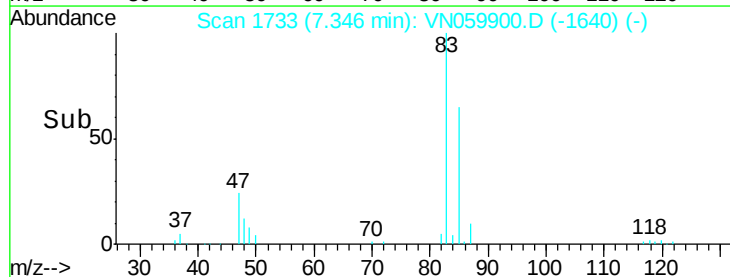
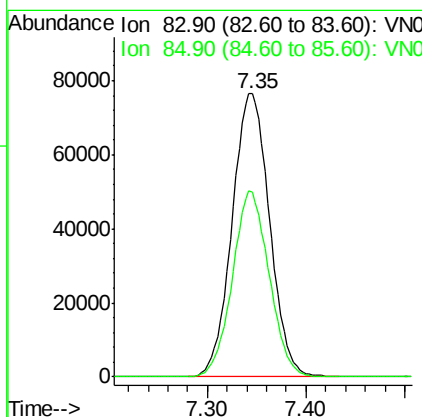
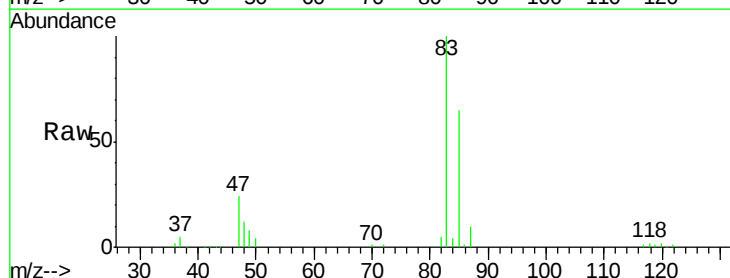
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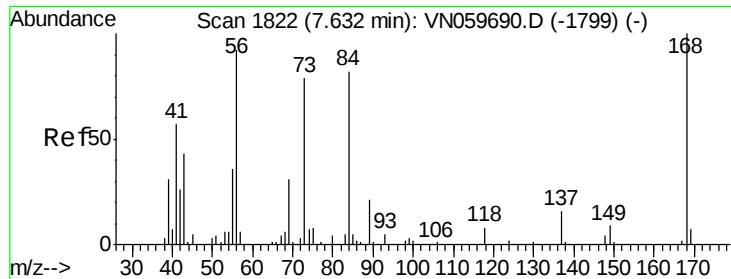
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#30
Chloroform
Concen: 57.291 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.4	78.6





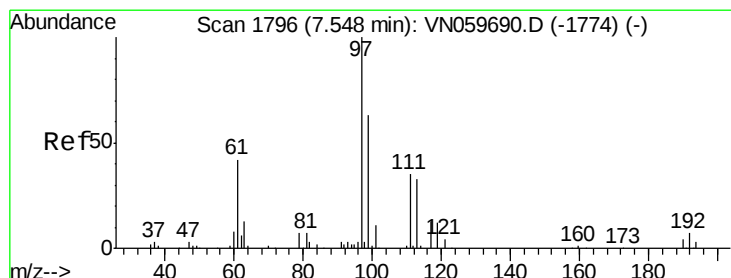
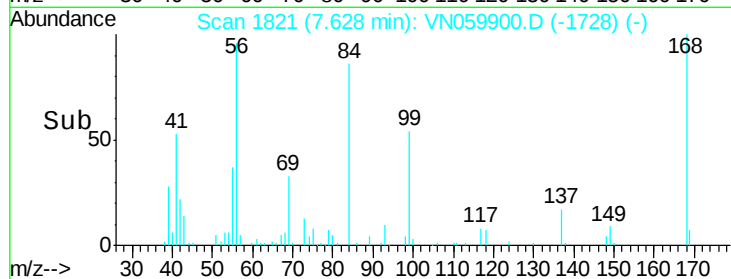
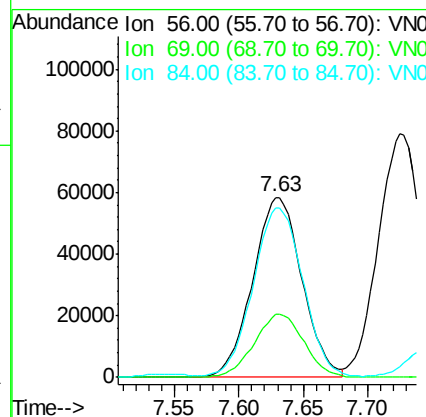
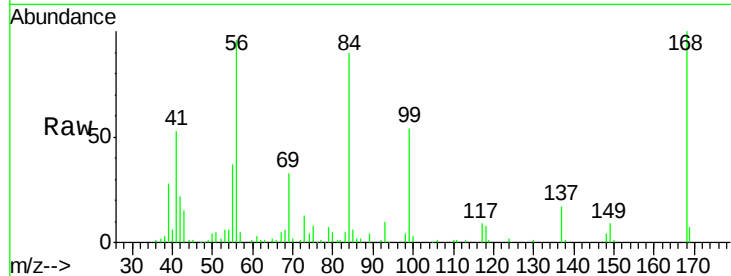
#31
Cyclohexane
Concen: 47.459 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.5	39.7
84	92.9	65.3	97.9

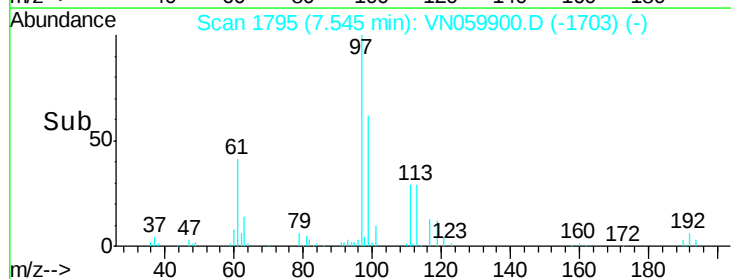
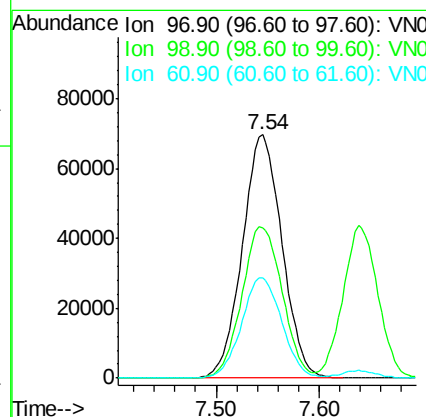
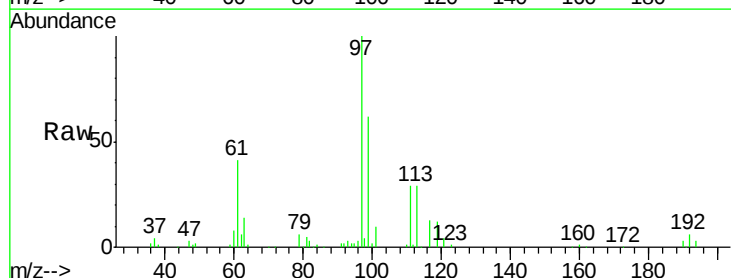
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#32
1,1,1-Trichloroethane
Concen: 57.008 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.4
61	42.0	38.5	57.7





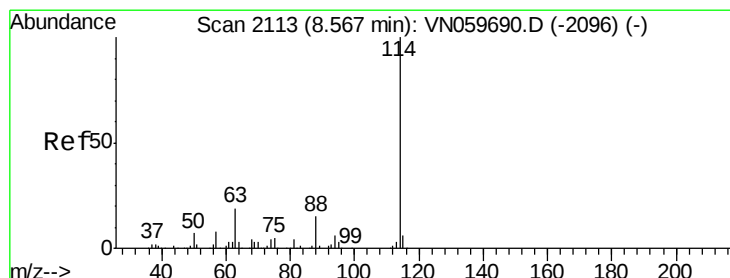
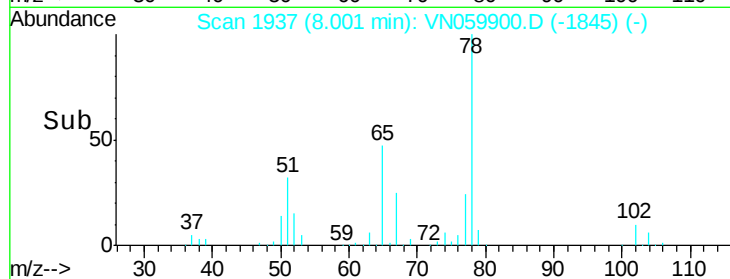
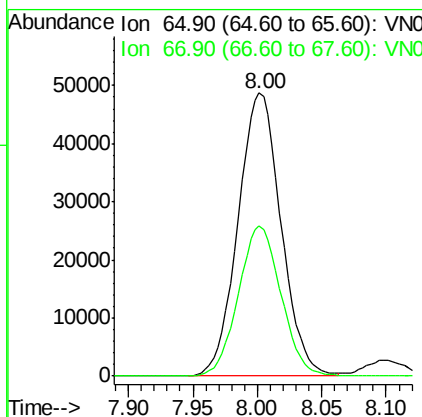
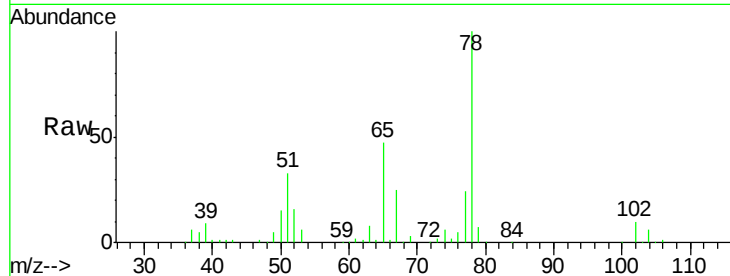
#33
 1,2-Dichloroethane-d4
 Concen: 51.070 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.0	

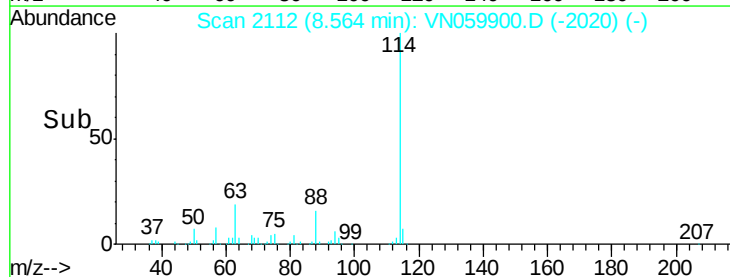
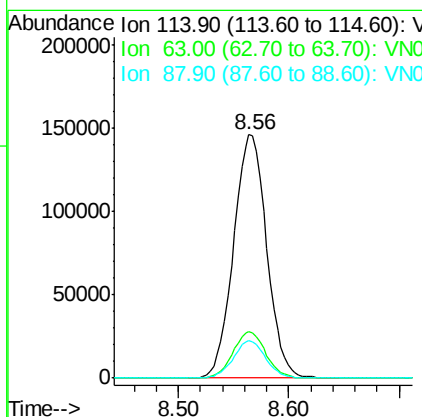
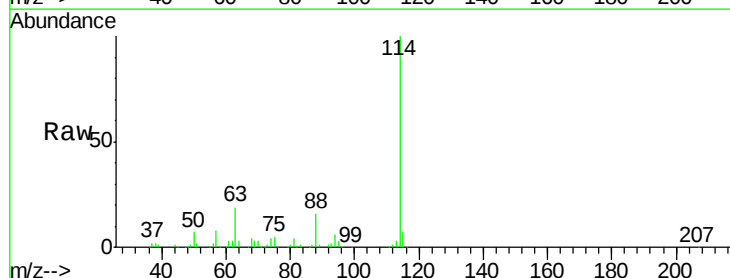
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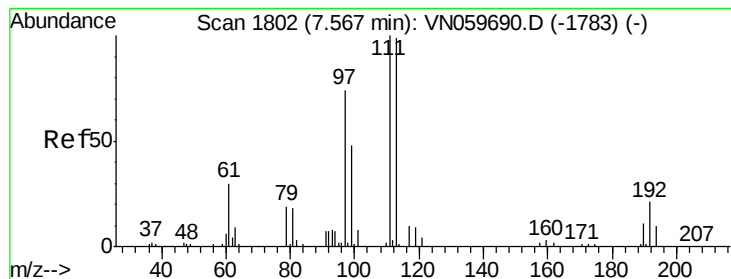
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	43.6	
88	15.5	0.0	31.4	





#35

Dibromofluoromethane

Concen: 53.694 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

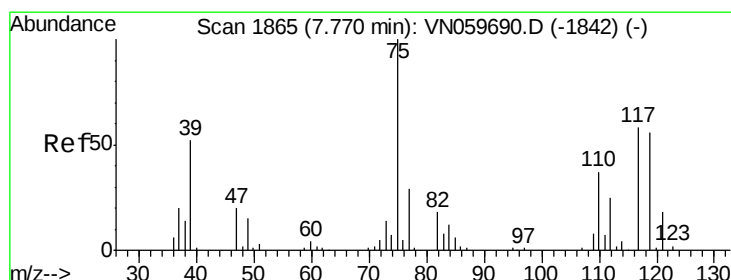
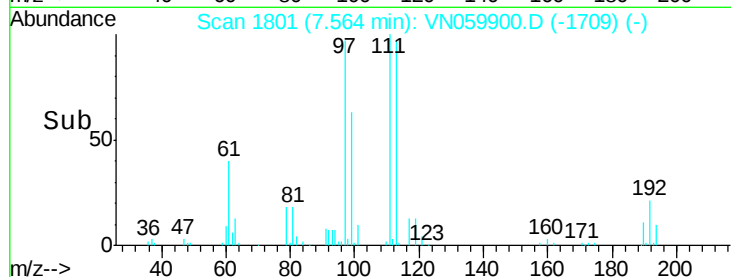
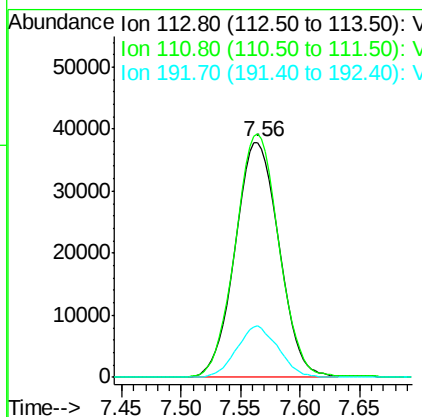
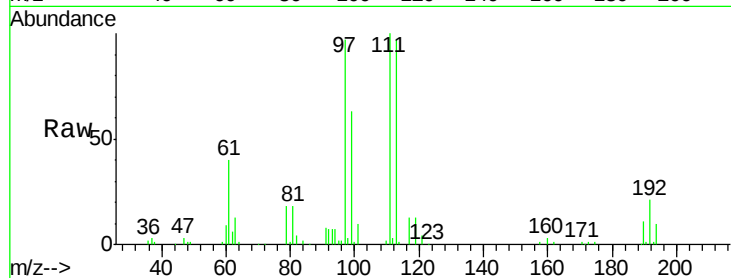
ClientSampled :

VSTDCCC050

Tot Ion:	113	Resp:	97178
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.5	125.3
192	20.7	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 54.999 ug/l

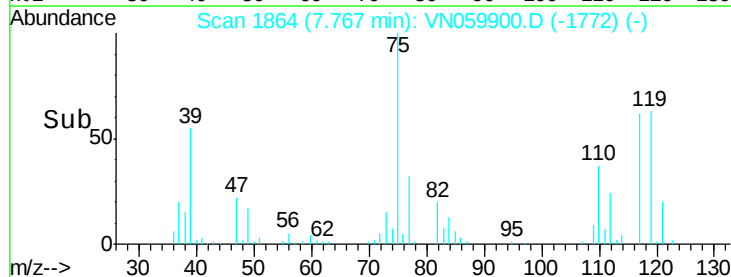
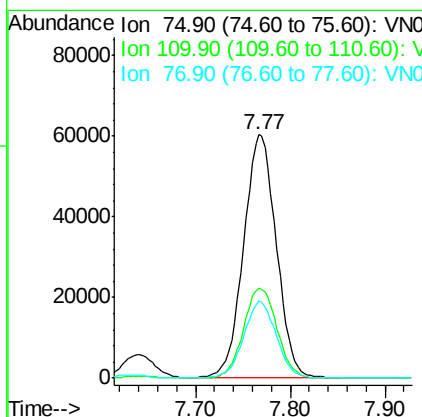
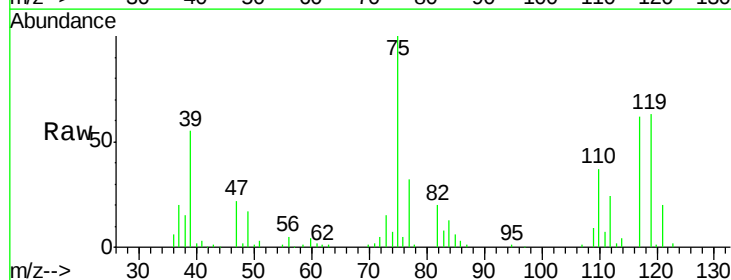
RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	75	Resp:	145356
Ion Ratio	Lower	Upper	
75	100		
110	37.7	16.6	49.7
77	31.3	25.1	37.7





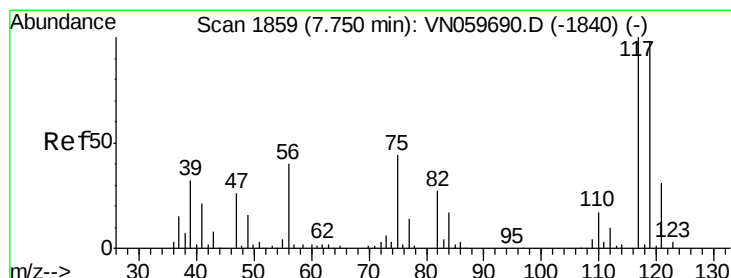
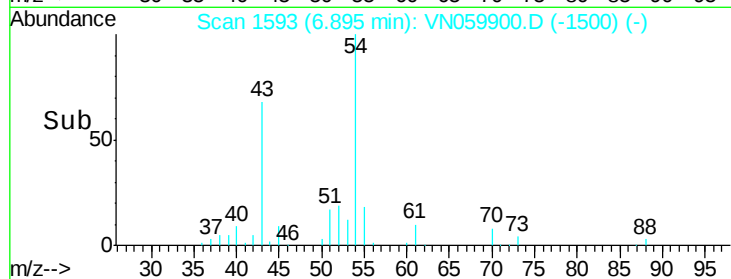
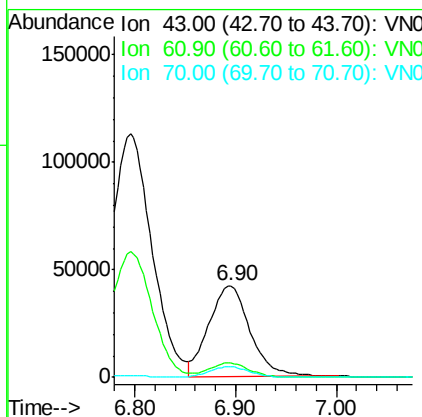
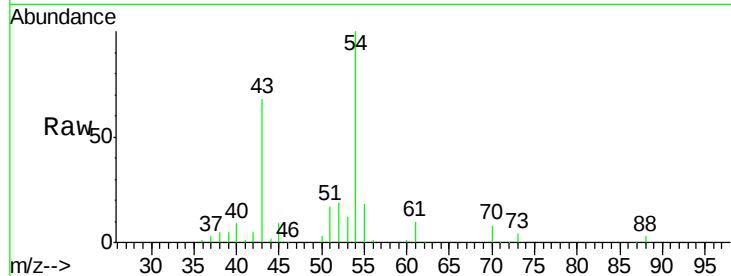
#37
Ethyl Acetate
Concen: 48.608 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.9	16.3
70	11.6	7.7	11.5

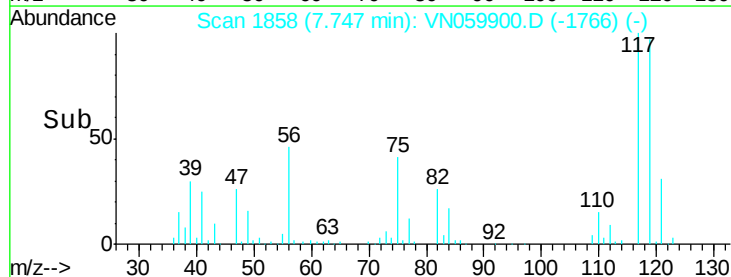
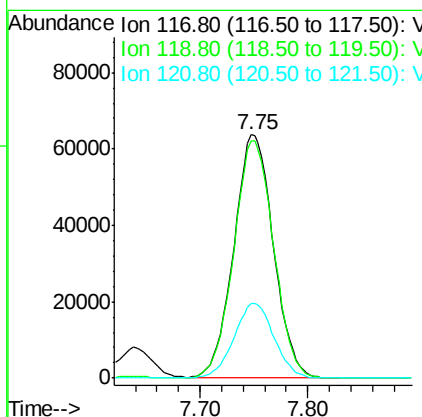
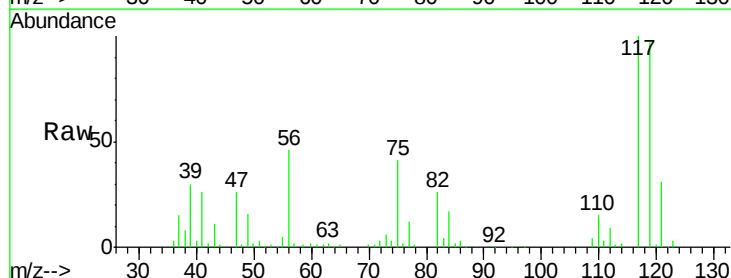
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#38
Carbon Tetrachloride
Concen: 56.698 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.5	114.7
121	30.5	25.1	37.7





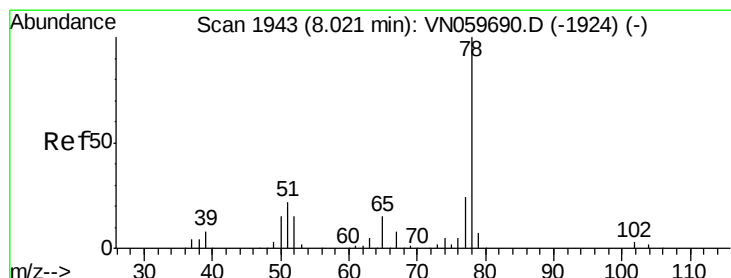
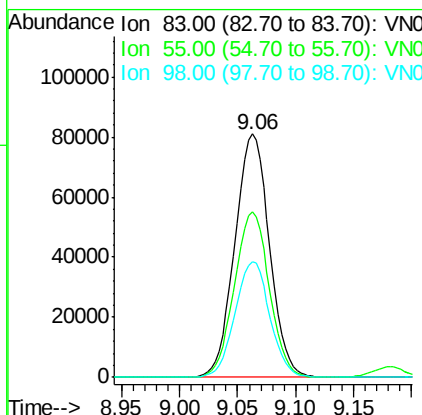
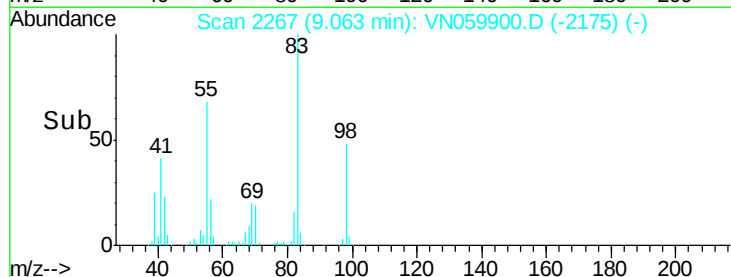
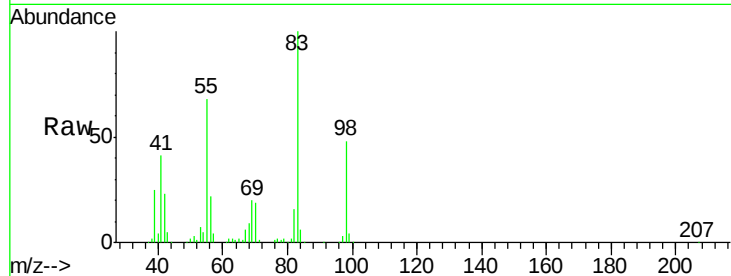
#39
Methvlcvclohexane
Concen: 51.722 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168550		
55	67.9		64.2	96.2
98	47.6		35.9	53.9

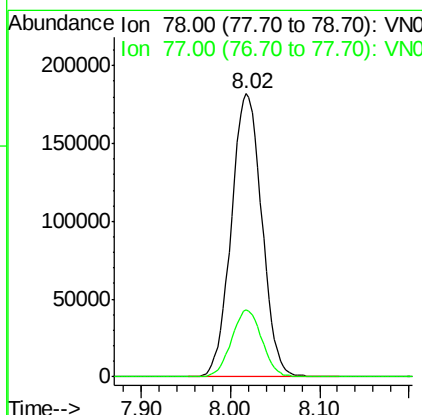
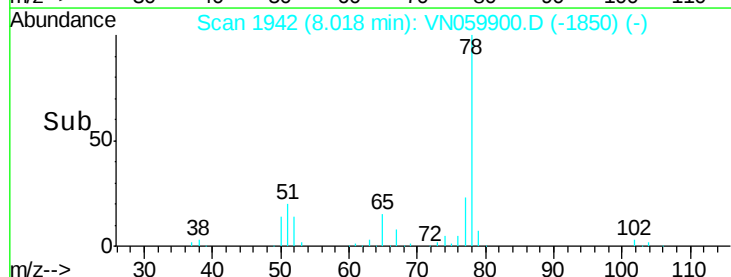
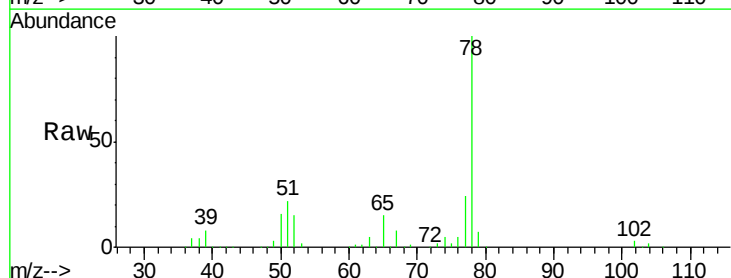
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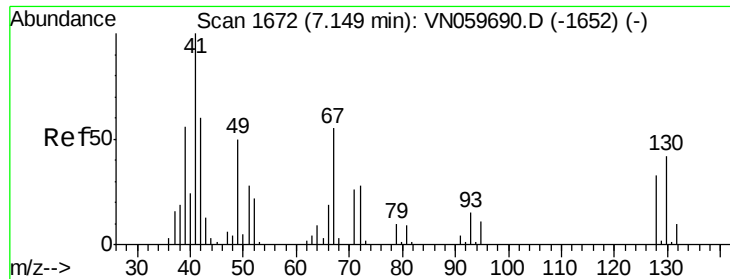
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#40
Benzene
Concen: 54.894 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	432677		
77	23.8		18.9	28.3





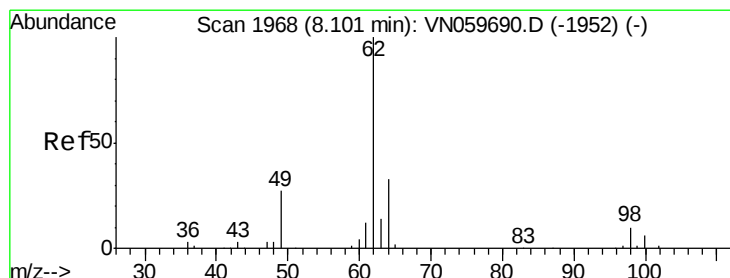
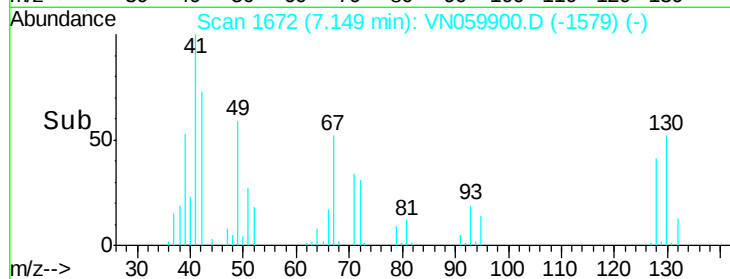
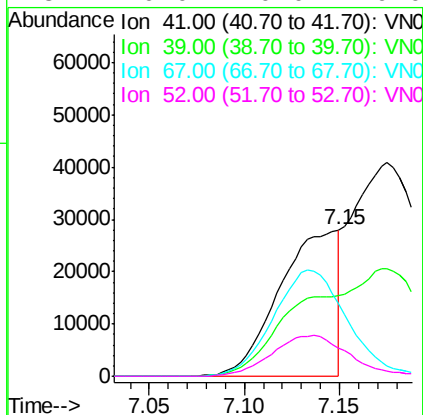
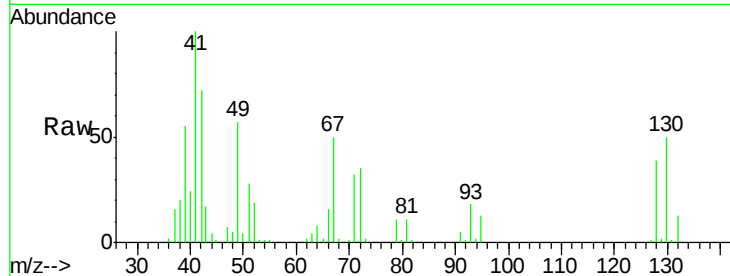
#41
Methacrylonitrile
Concen: 49.449 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60375		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

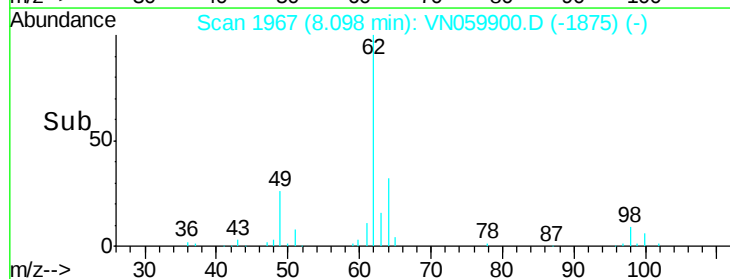
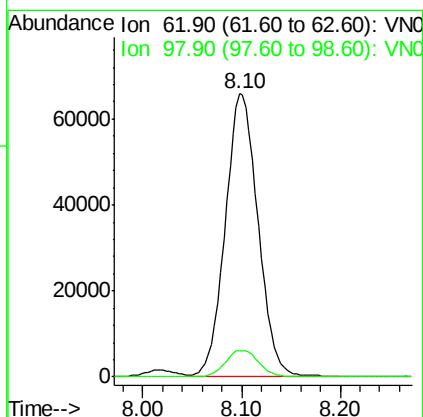
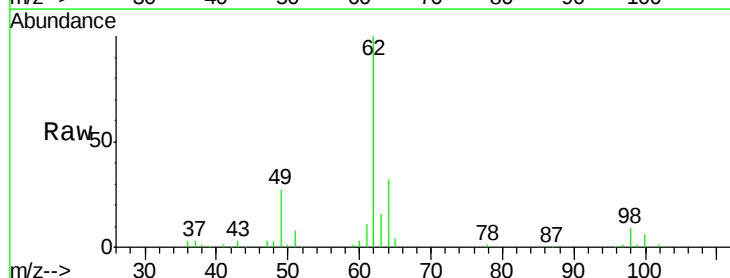
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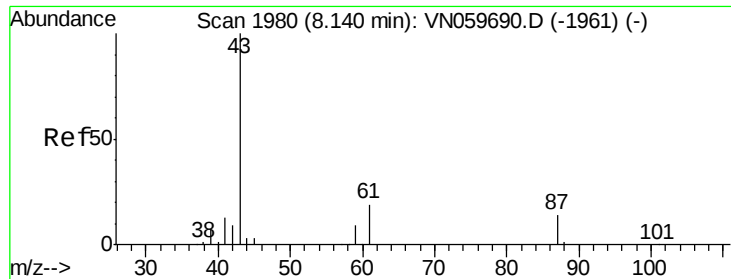
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#42
1,2-Dichloroethane
Concen: 57.171 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		152786		
98	9.5	0.0	15.8		





#43

Isopropyl Acetate

Concen: 51.104 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

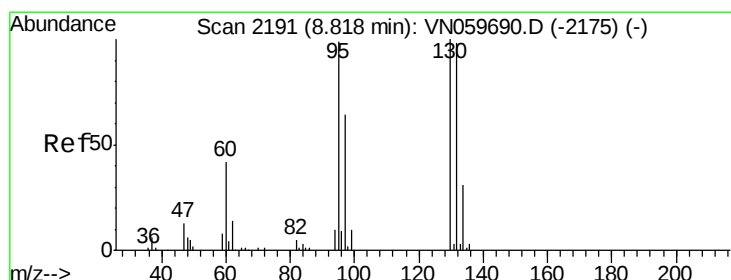
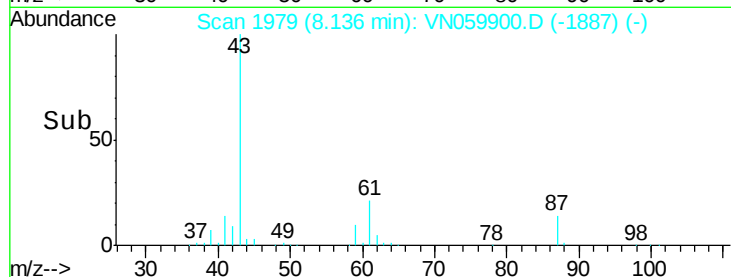
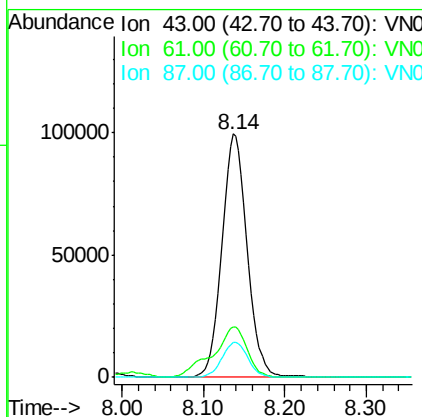
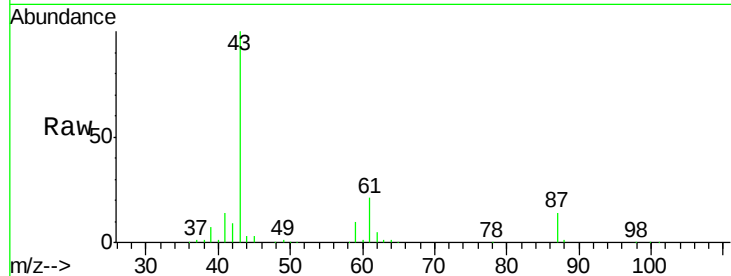
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	217891
Ion Ratio	Lower	Upper	
43	100		
61	28.2	20.2	30.2
87	14.8	9.5	14.3#

Manual Integrations
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#44

Trichloroethene

Concen: 59.988 ug/l

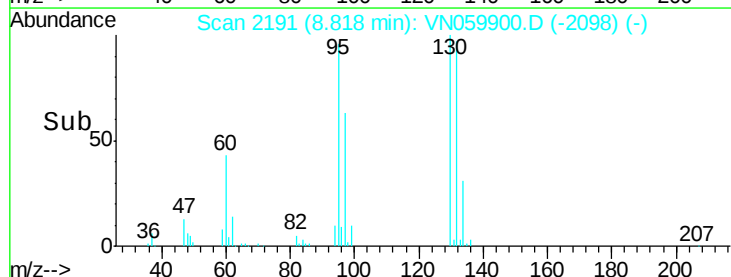
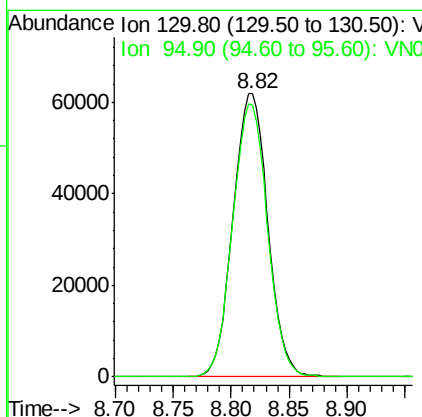
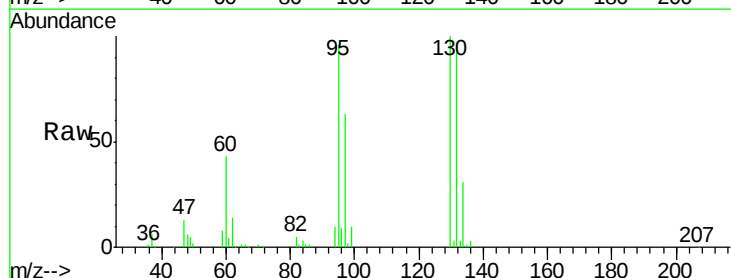
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	130	Resp:	129079
Ion Ratio	Lower	Upper	
130	100		
95	95.9	0.0	207.0





#45

1,2-Dichloropropane

Concen: 56.911 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 111000

Ion Ratio Lower Upper

63 100

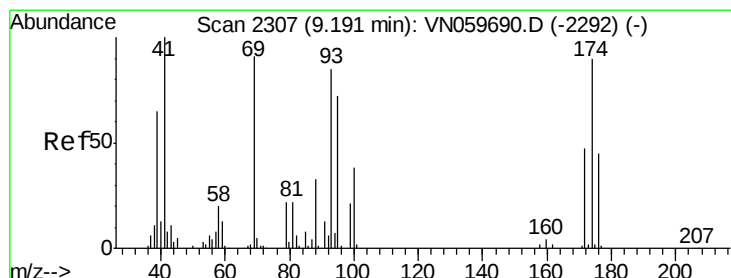
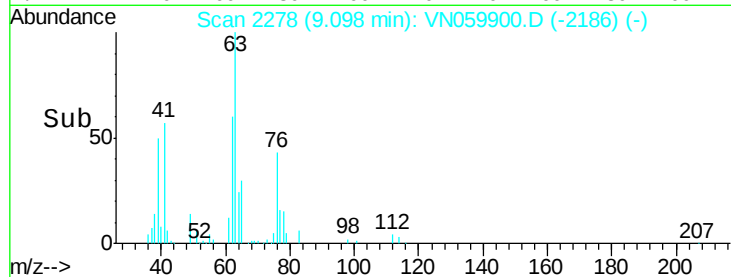
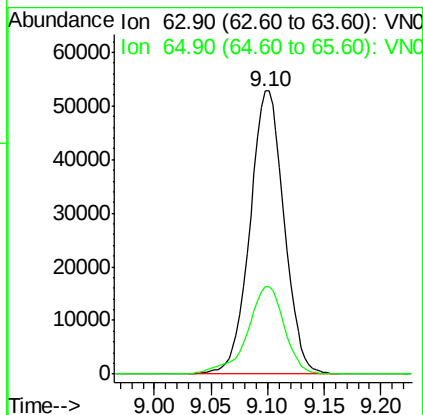
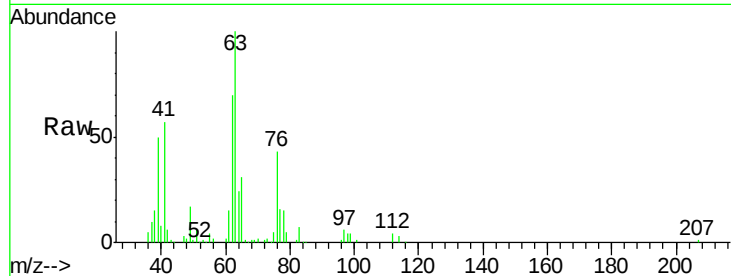
65 31.0 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 57.708 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

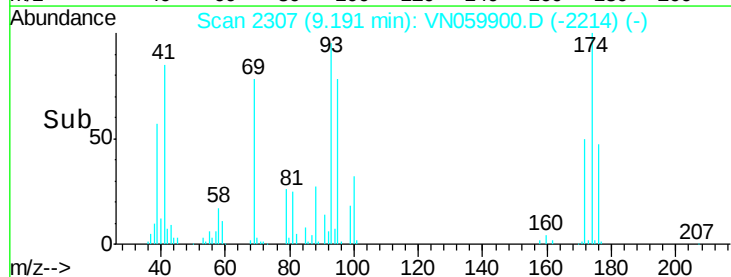
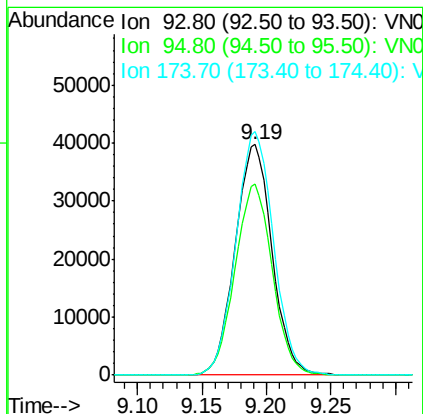
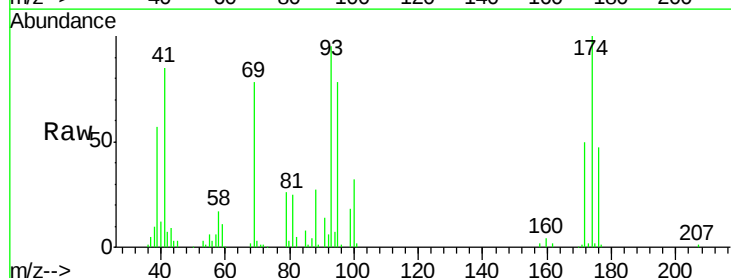
Tgt Ion: 93 Resp: 79397

Ion Ratio Lower Upper

93 100

95 83.6 67.0 100.6

174 107.4 73.4 110.2





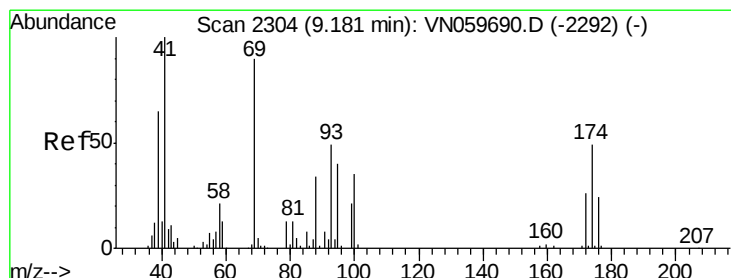
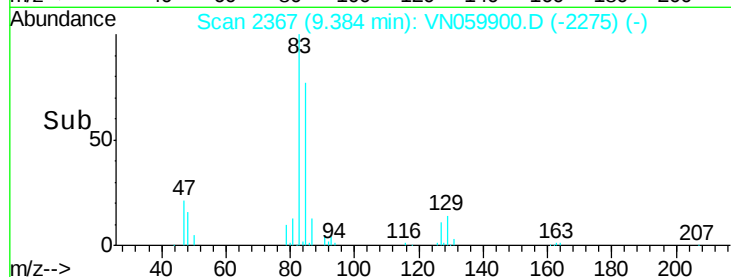
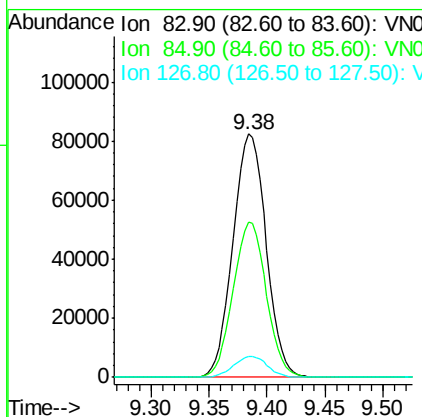
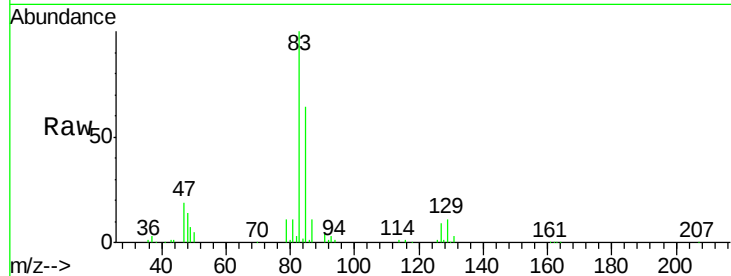
#47
Bromodichloromethane
Concen: 59.065 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	163760		
85	63.9	51.1	76.7	
127	8.8	6.6	9.8	

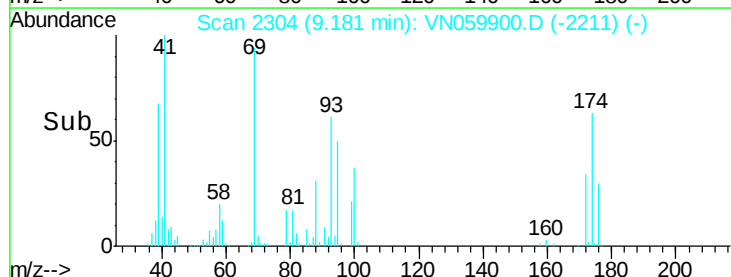
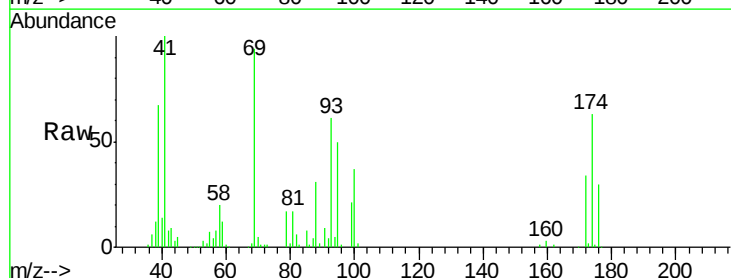
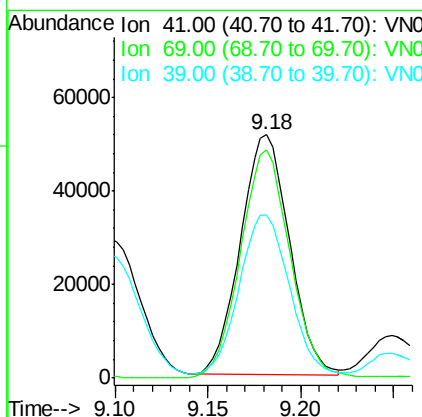
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:22:05 AM



#48
Methyl methacrylate
Concen: 49.746 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	94872		
69	96.0	64.4	96.6	
39	70.8	51.3	76.9	





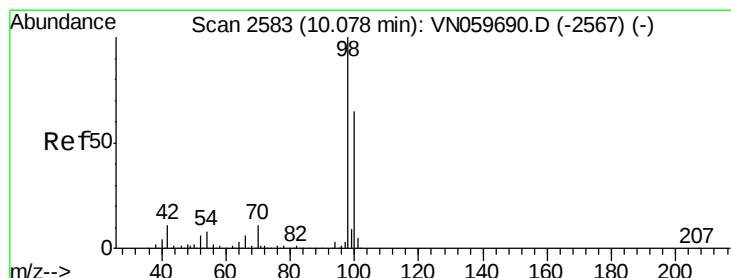
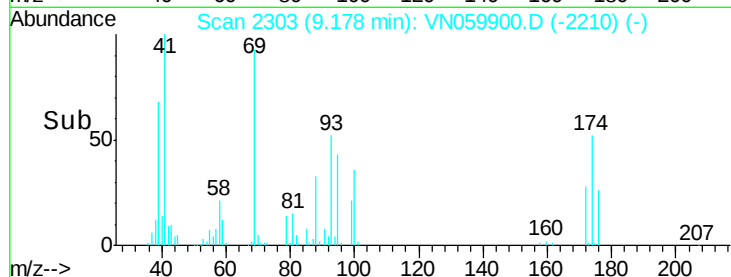
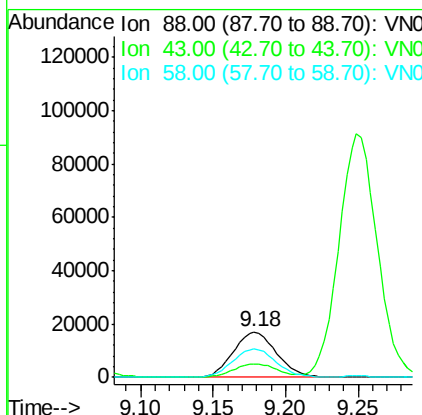
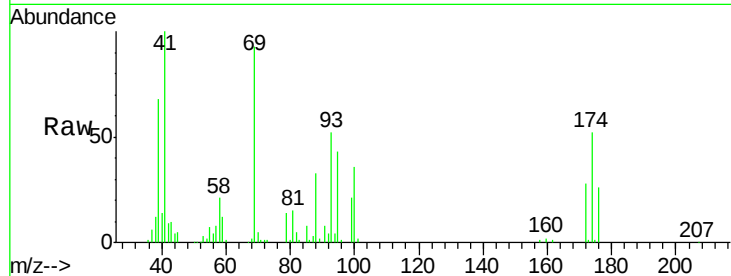
#49
1,4-Dioxane
Concen: 1011.556 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	29.7	44.5
58	62.5	56.6	85.0

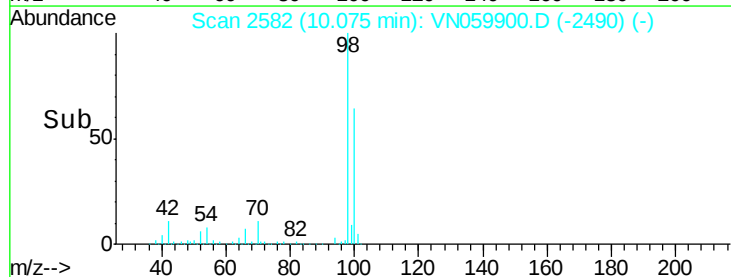
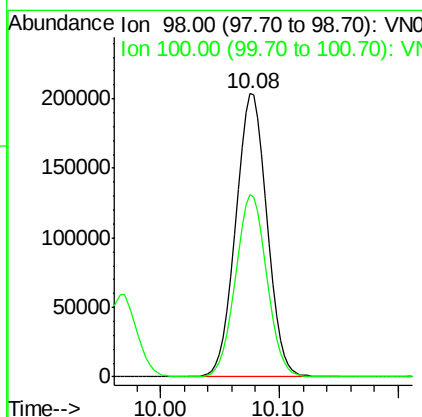
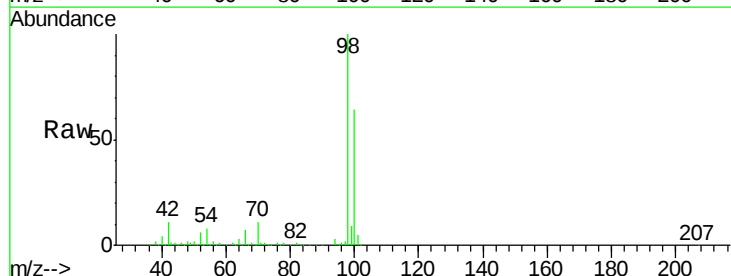
Manual Integrations
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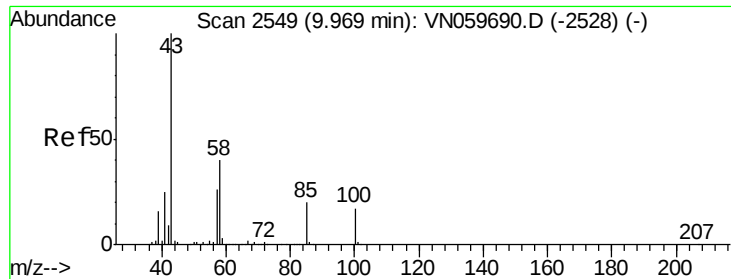
MMDadoda
1/30/2020 10:22:05 AM



#50
Toluene-d8
Concen: 52.943 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 250.165 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 616580

Ion Ratio Lower Upper

43 100

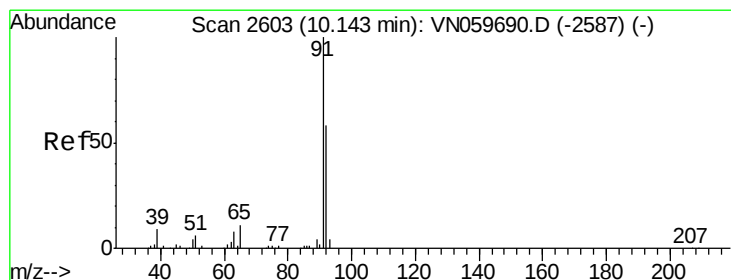
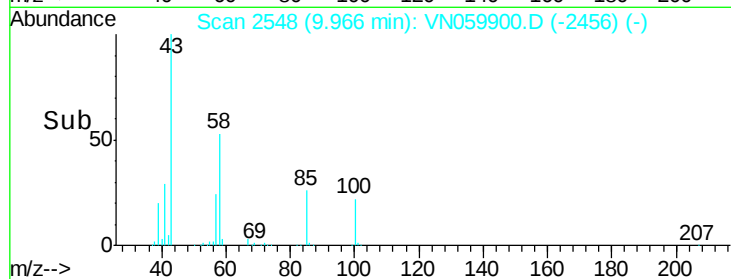
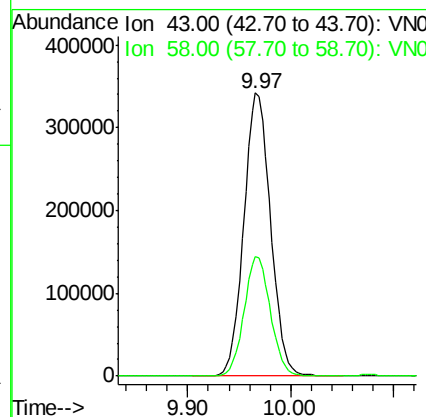
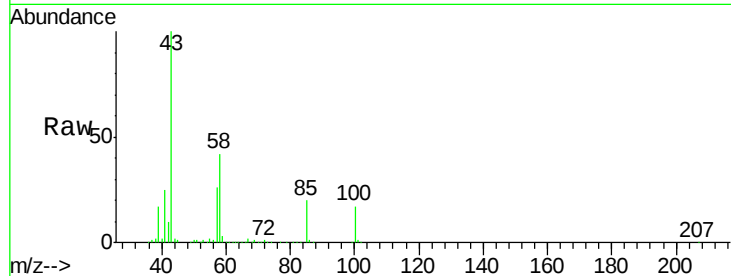
58 41.3 29.8 44.8

Manual Integrations

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MMDadoda

1/30/2020 10:22:05 AM



#52

Toluene

Concen: 57.219 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN059900.D

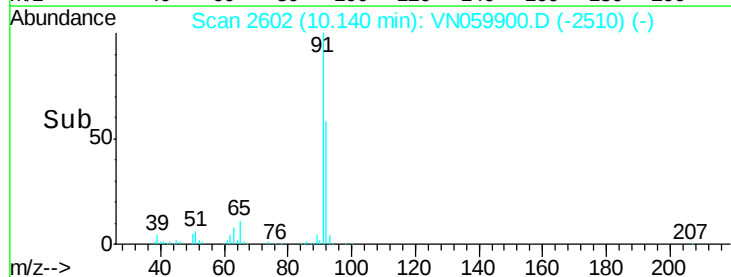
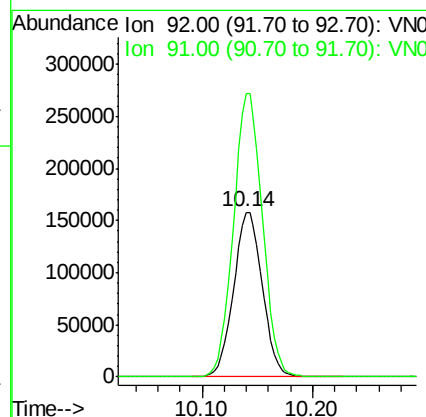
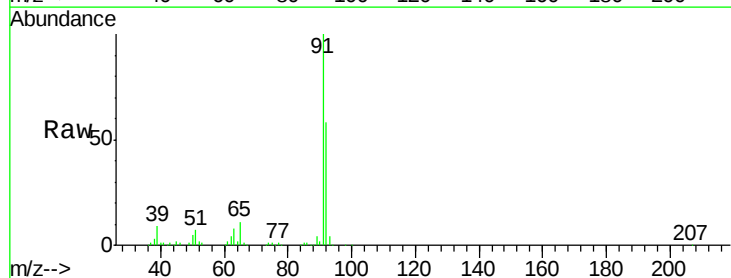
Acq: 29 Jan 2020 9:51

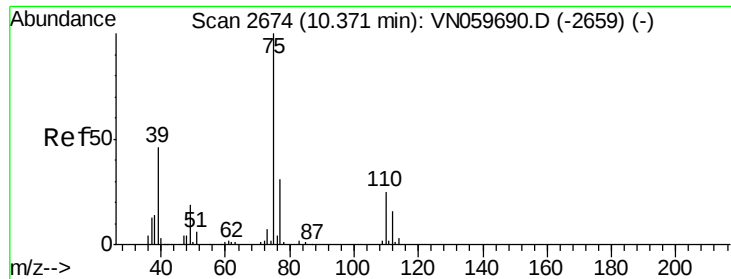
Tgt Ion: 92 Resp: 284878

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6





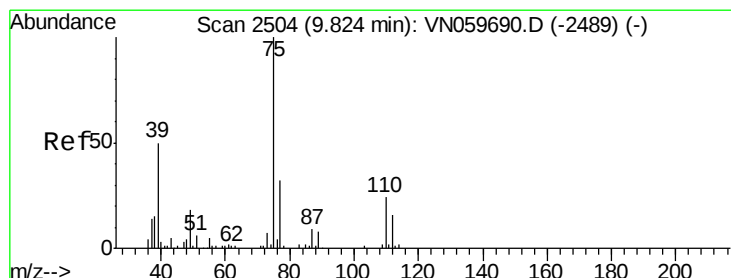
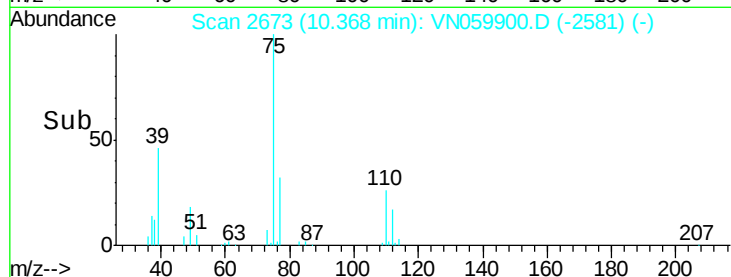
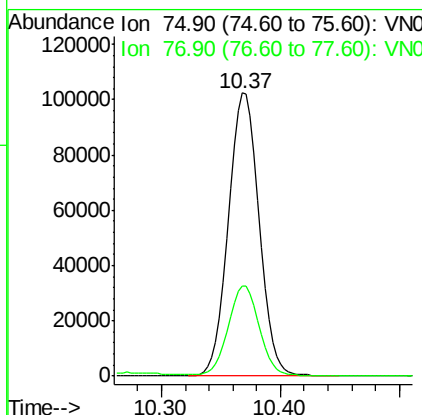
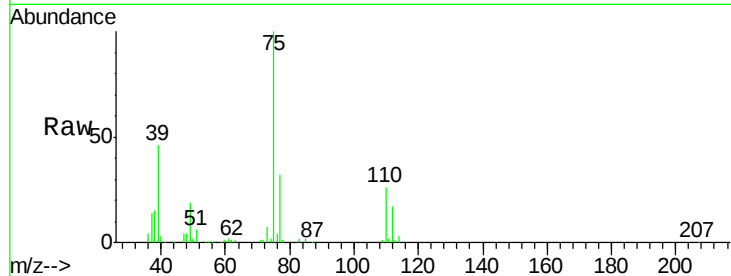
#53
t-1,3-Dichloropropene
Concen: 59.361 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 183770
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

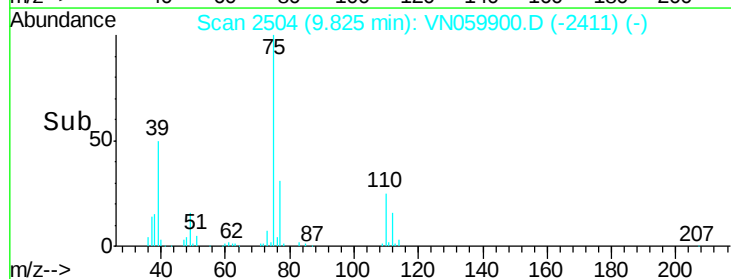
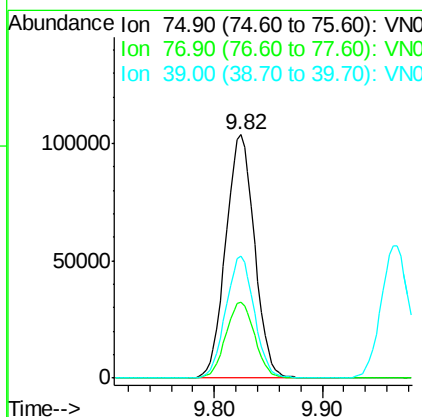
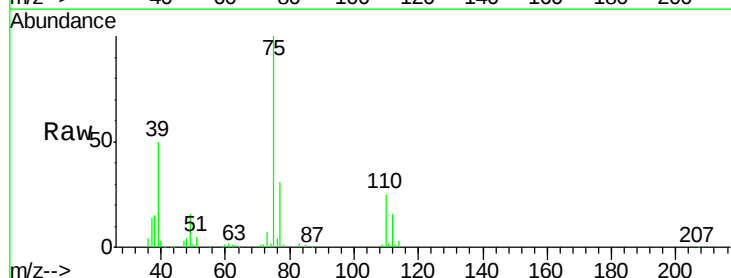
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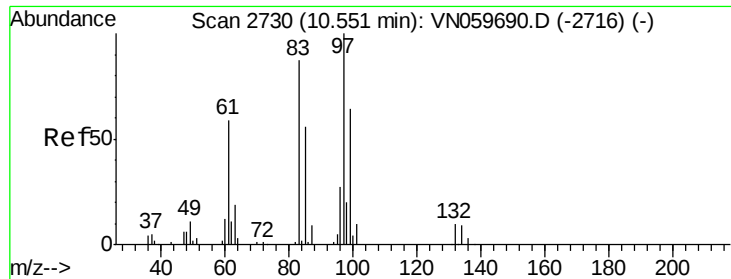
MMDadoda
1/30/2020 10:22:05 AM



#54
cis-1,3-Dichloropropene
Concen: 59.341 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion: 75 Resp: 193293
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 50.3 46.1 69.1





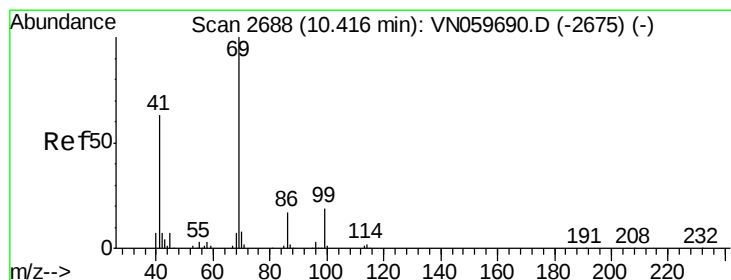
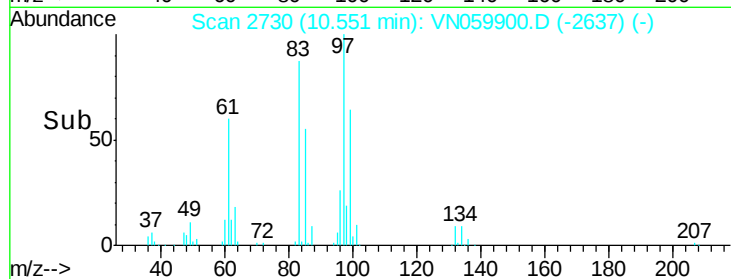
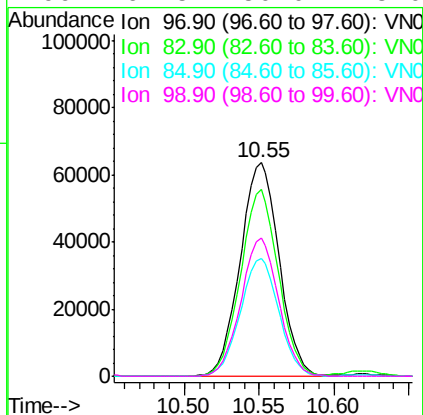
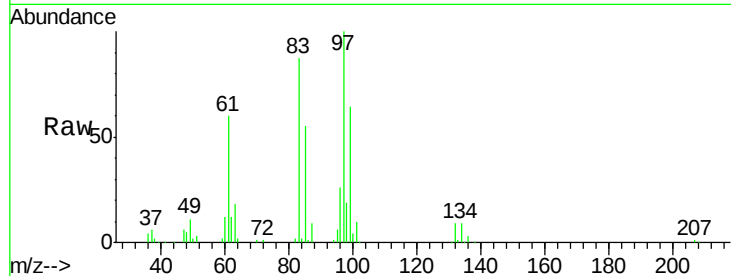
#55
 1,1,2-Trichloroethane
 Concen: 58.390 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	115137
Ion	Ratio	Lower	Upper
97	100		
83	87.4	71.3	106.9
85	55.3	45.8	68.8
99	64.5	50.0	75.0

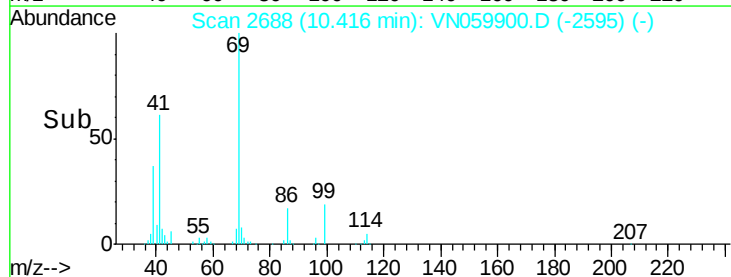
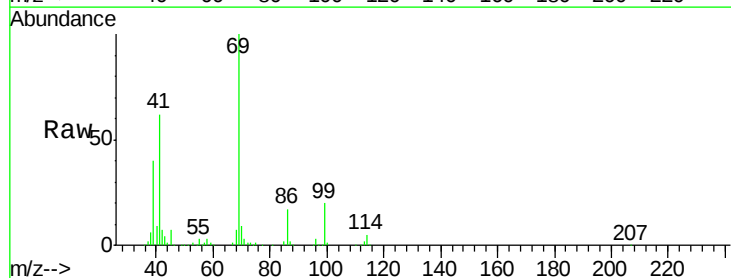
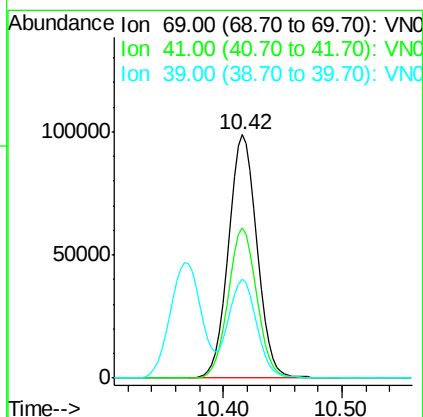
Manual Integrations
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 1/30/2020 10:22:05 AM



#56
 Ethyl methacrylate
 Concen: 54.435 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion:	69	Resp:	164013
Ion	Ratio	Lower	Upper
69	100		
41	61.2	57.1	85.7
39	40.6	34.7	52.1





#57

1,3-Dichloropropane

Concen: 58.705 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 183778

Ion Ratio Lower Upper

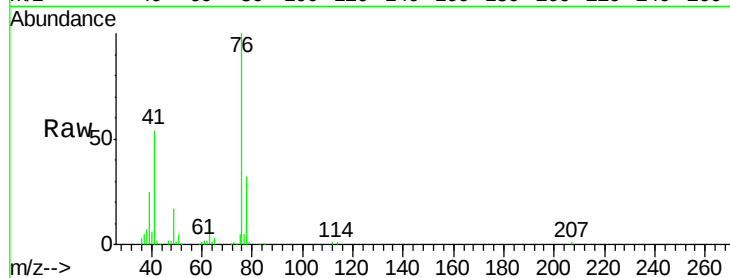
76 100

78 32.4 25.8 38.8

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN059900.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN059900.D (-2682) (-)

10.70

120000

100000

80000

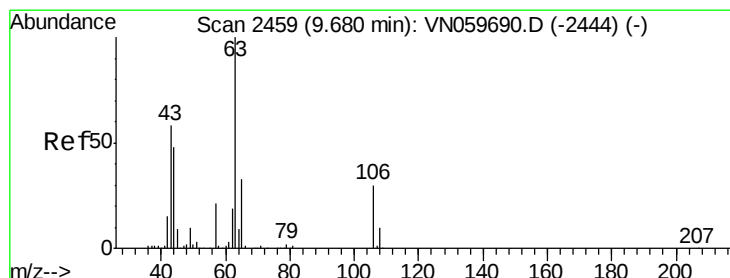
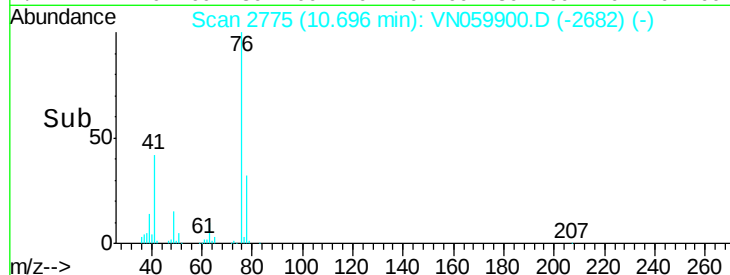
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 298.268 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN059900.D

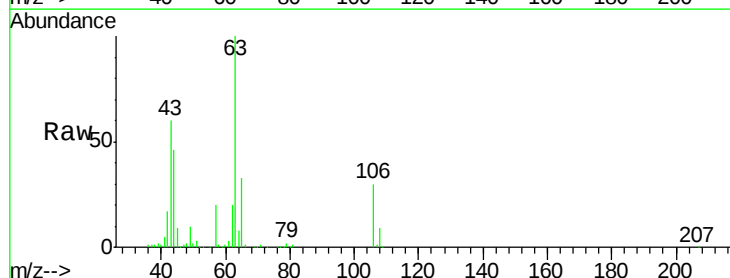
Acq: 29 Jan 2020 9:51

Tgt Ion: 63 Resp: 270685

Ion Ratio Lower Upper

63 100

106 30.3 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN059900.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN059900.D (-2366) (-)

9.68

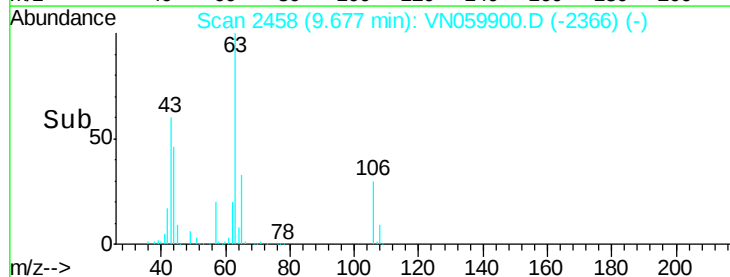
150000

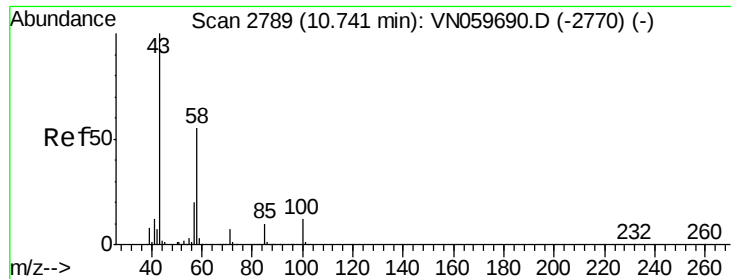
100000

50000

0

Time--> 9.60 9.70 9.80





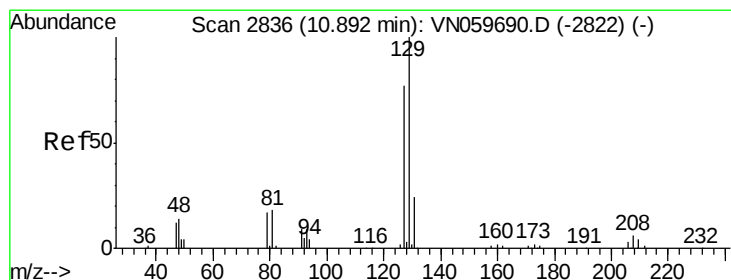
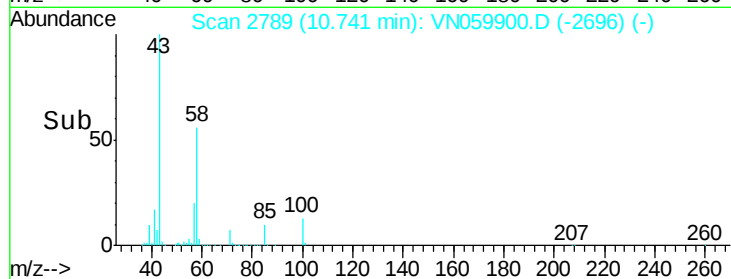
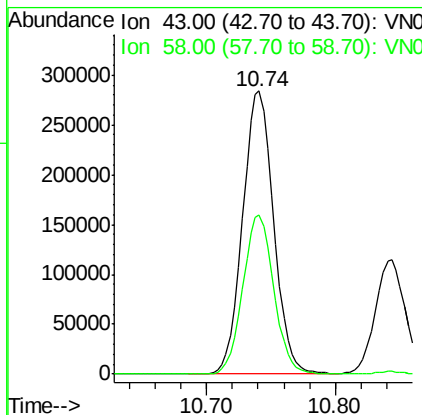
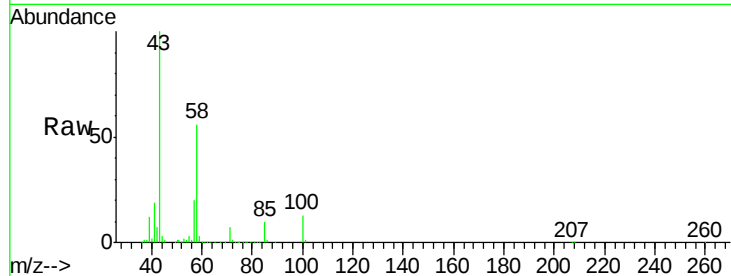
#59
2-Hexanone
Concen: 262.128 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 475958
Ion Ratio Lower Upper
43 100
58 55.9 25.8 77.3

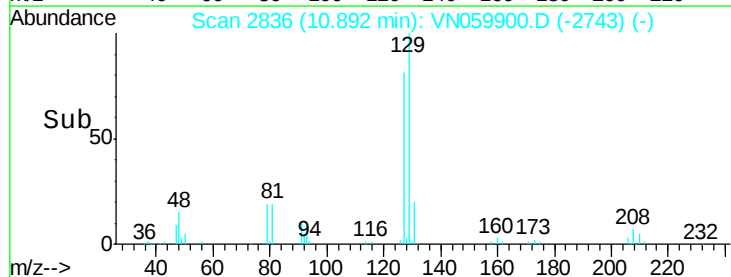
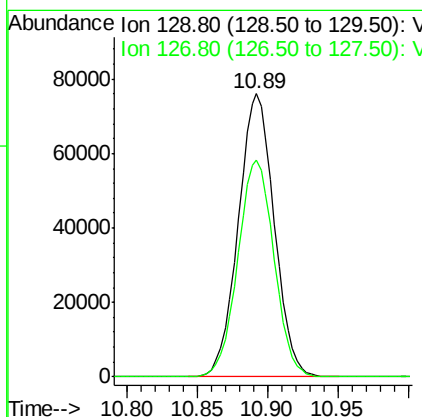
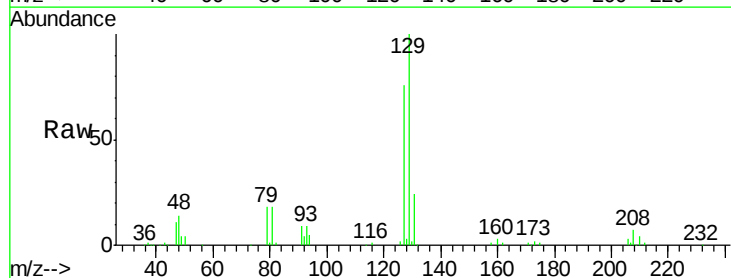
Manual Integrations
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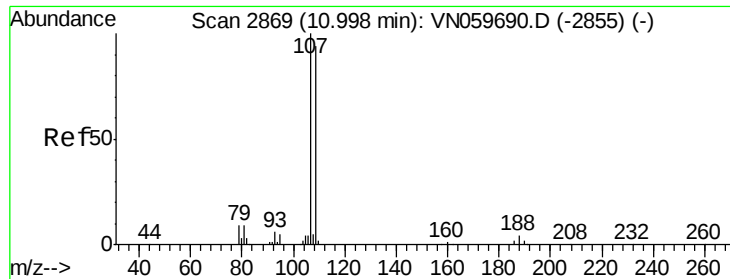
MMDadoda
1/30/2020 10:22:05 AM



#60
Dibromochloromethane
Concen: 60.393 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion: 129 Resp: 135611
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 58.150 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 120180

Ion Ratio Lower Upper

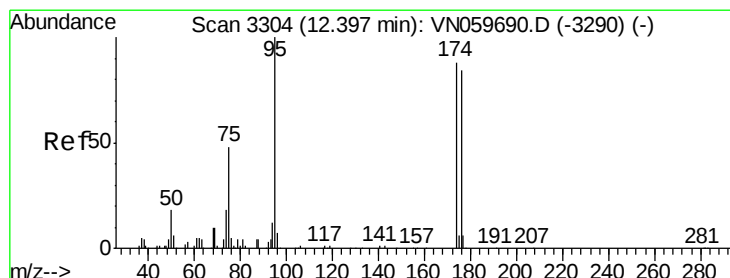
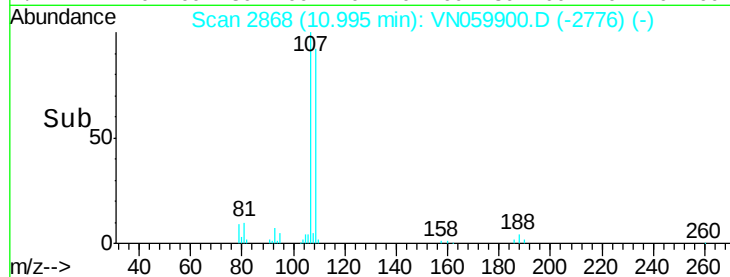
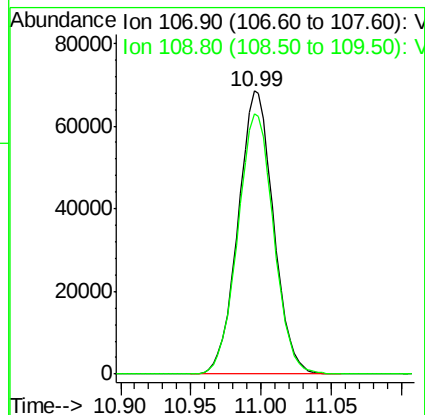
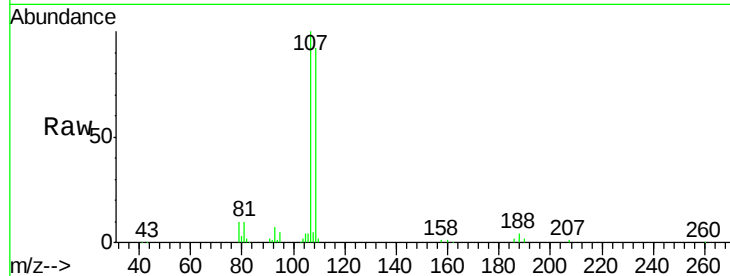
107 100

109 93.7 76.6 115.0

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#62

4-Bromofluorobenzene

Concen: 53.916 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

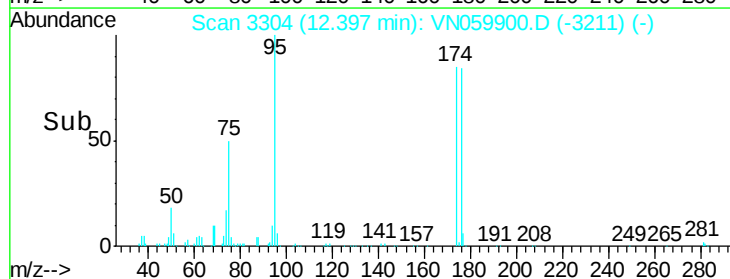
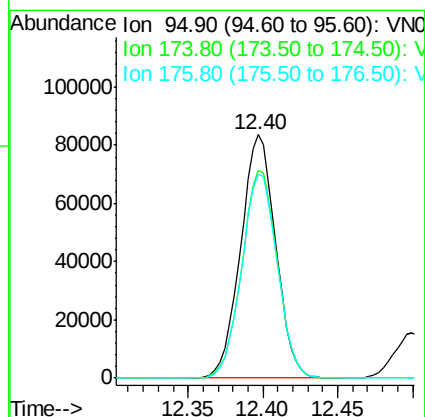
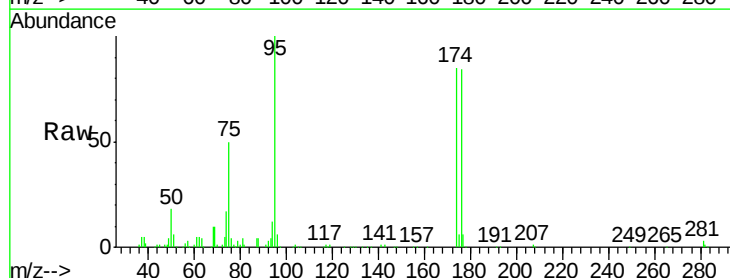
Tgt Ion: 95 Resp: 136295

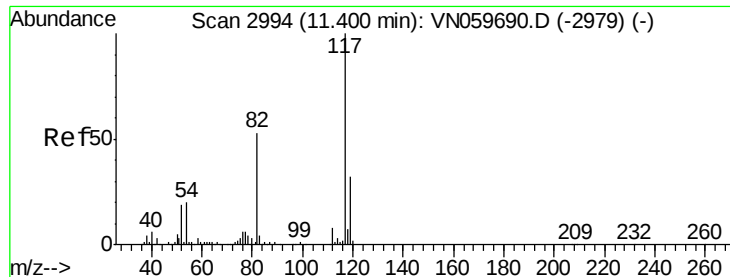
Ion Ratio Lower Upper

95 100

174 86.3 0.0 151.4

176 85.3 0.0 146.0





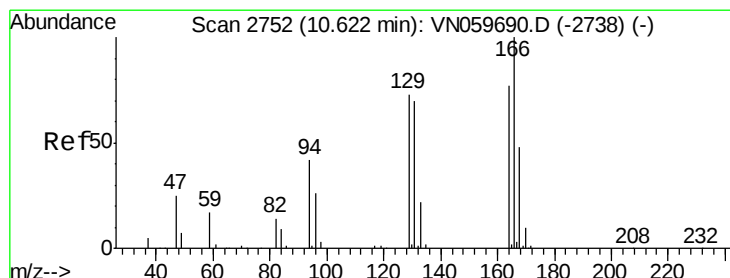
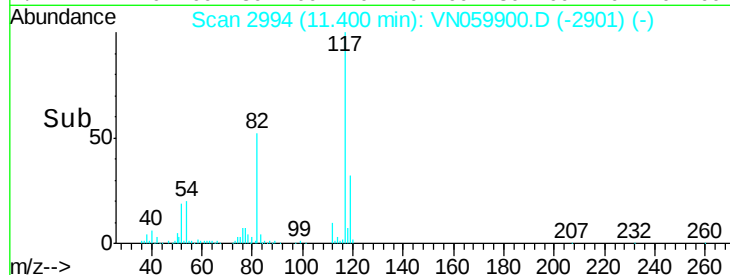
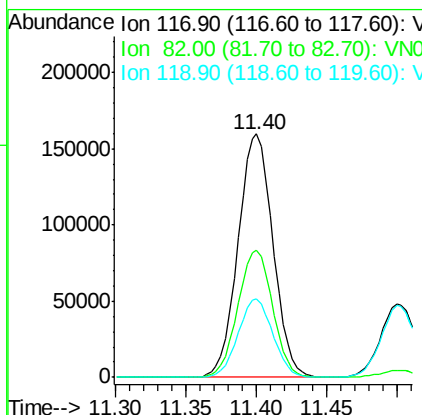
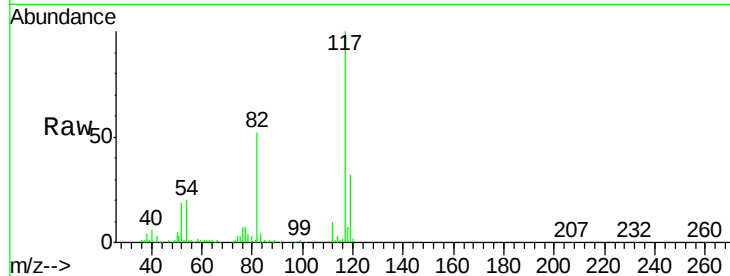
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	45.9	68.9
119	32.4	25.5	38.3

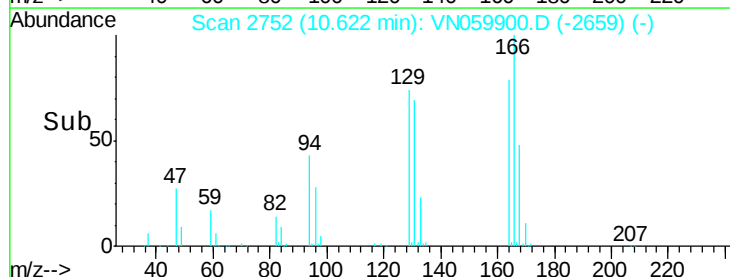
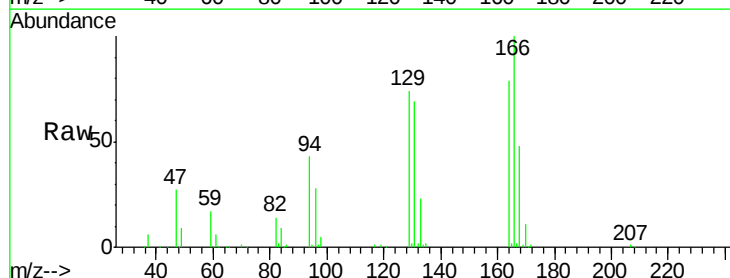
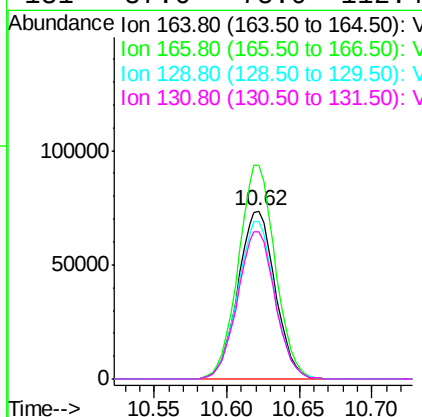
Manual Integrations
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#64
Tetrachloroethene
Concen: 57.975 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	101.4	152.0
129	93.6	80.2	120.4
131	87.6	75.0	112.4





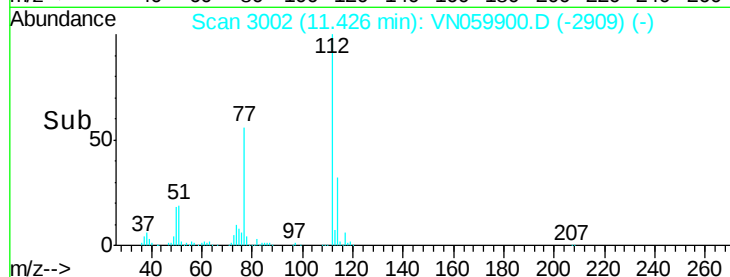
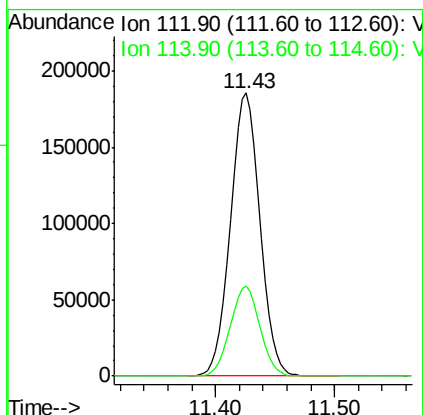
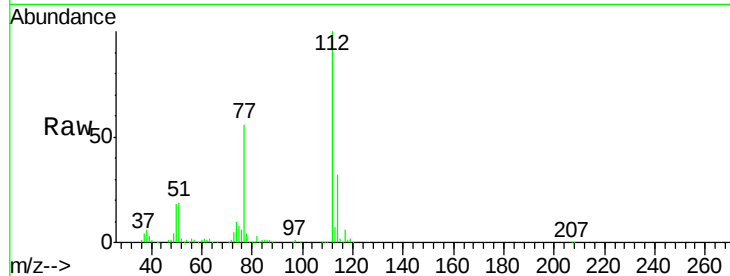
#65
Chlorobenzene
Concen: 58.405 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

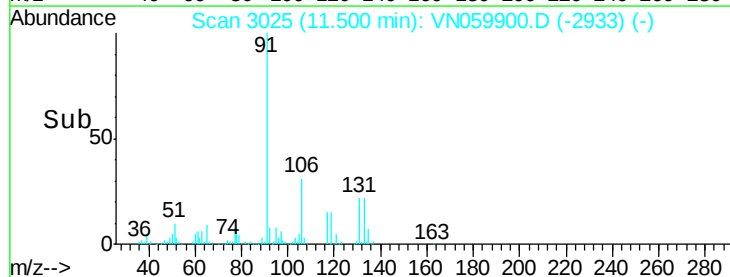
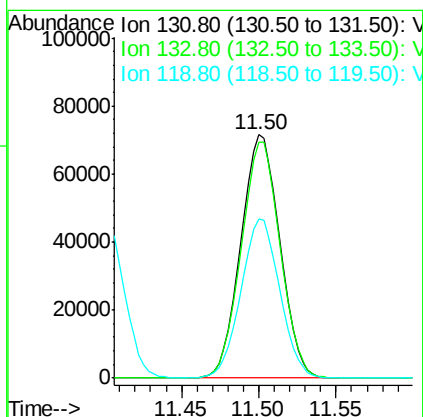
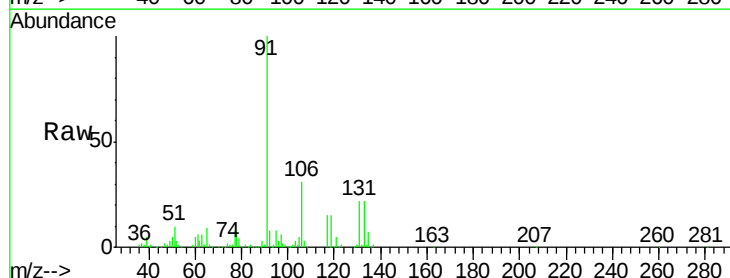
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 59.670 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.4	142.2
119	65.0	33.1	99.3





#67

Ethyl Benzene

Concen: 57.200 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 565381

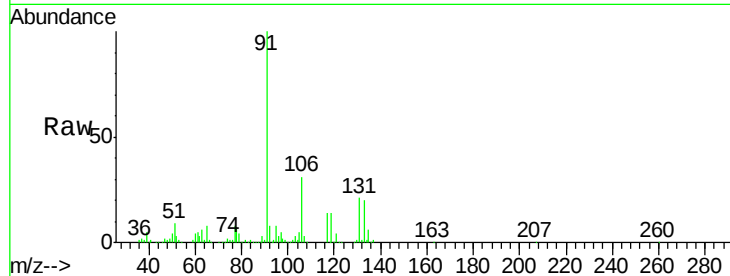
Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1

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

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)

500000

400000

300000

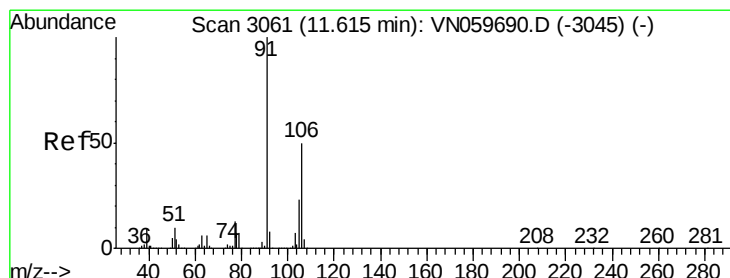
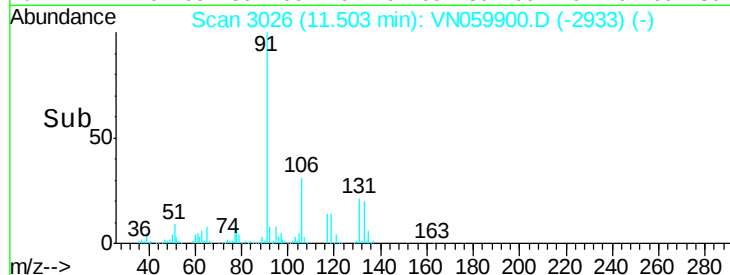
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 114.777 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059900.D

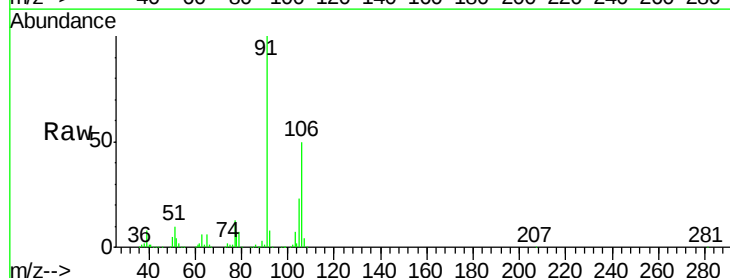
Acq: 29 Jan 2020 9:51

Tgt Ion: 106 Resp: 428546

Ion Ratio Lower Upper

106 100

91 200.9 167.9 251.9



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

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

500000

400000

300000

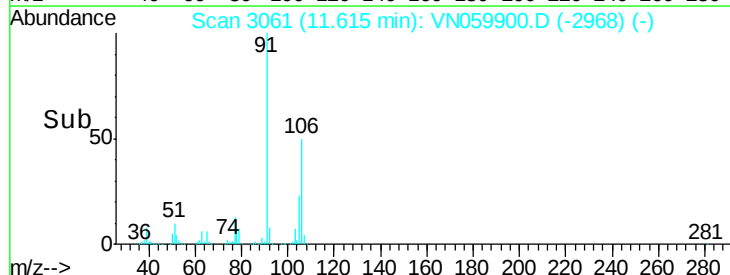
200000

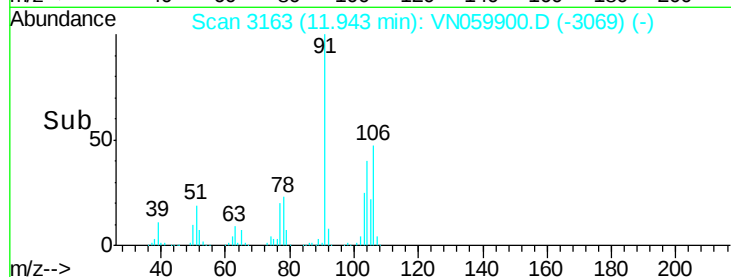
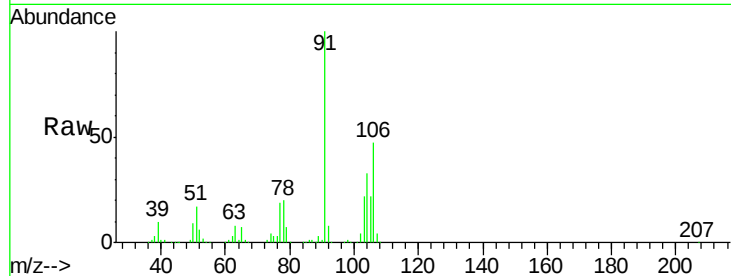
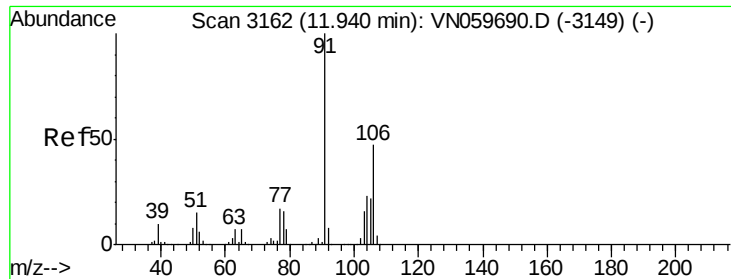
100000

0

11.50 11.60 11.70

Time-->





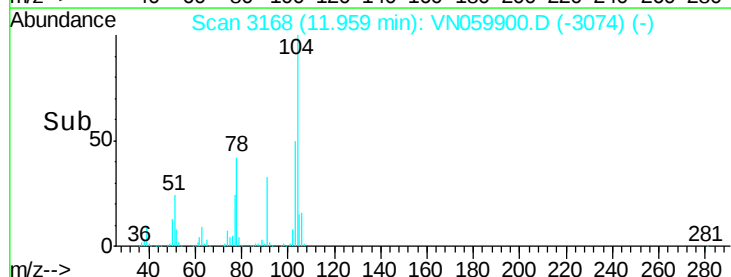
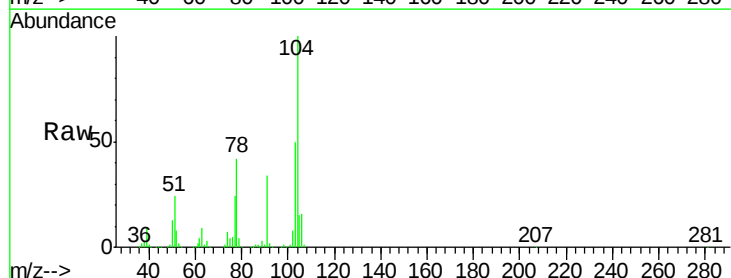
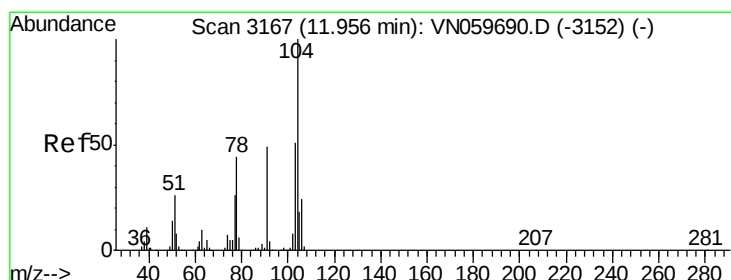
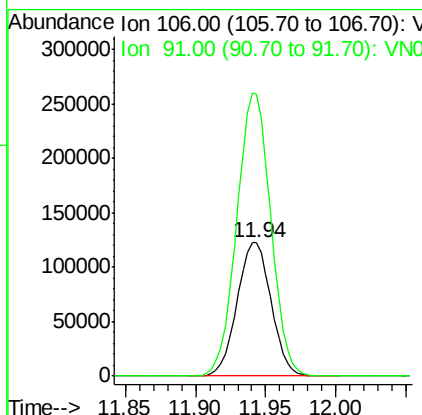
#69
o-Xylene
Concen: 56.843 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tot Ion:106 Resp: 207781
Ion Ratio Lower Upper
106 100
91 211.4 110.3 330.9

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

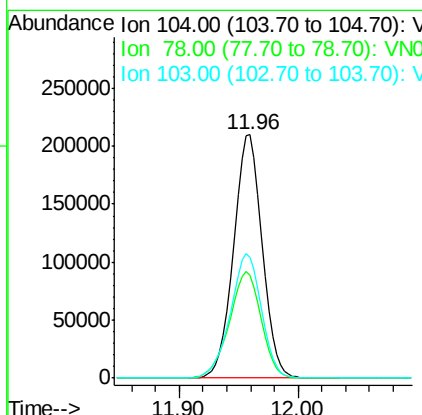
Manual Integrations
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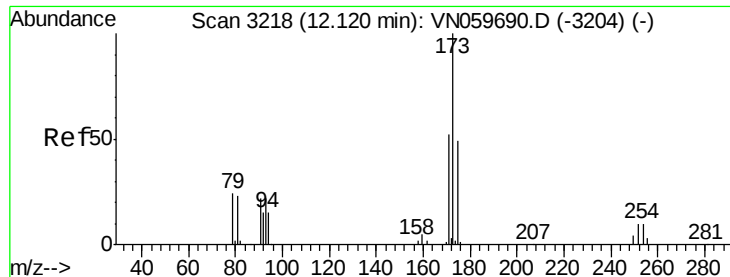
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#70
Styrene
Concen: 57.213 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion:104 Resp: 349950
Ion Ratio Lower Upper
104 100
78 48.8 42.4 63.6
103 55.5 43.9 65.9





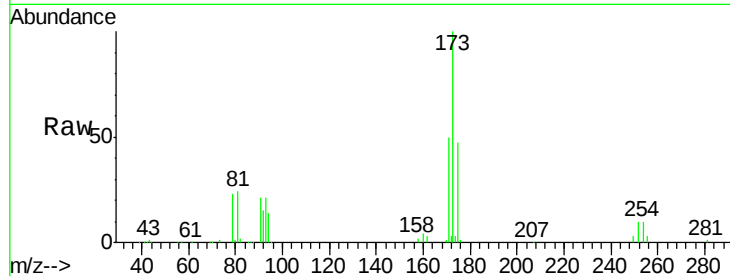
#71
Bromoform
Concen: 60.238 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.0	0.0	0.0

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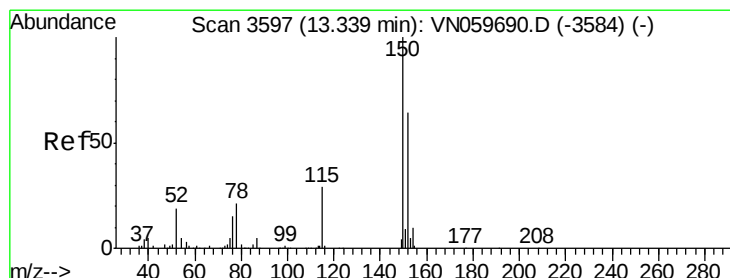
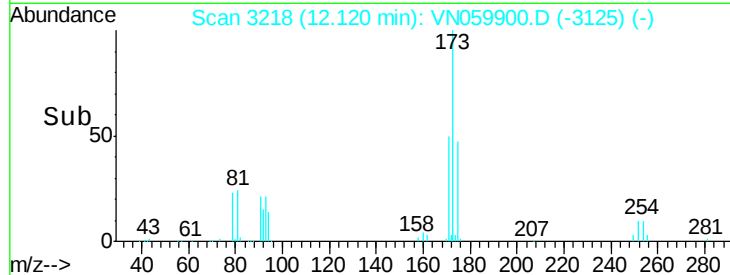
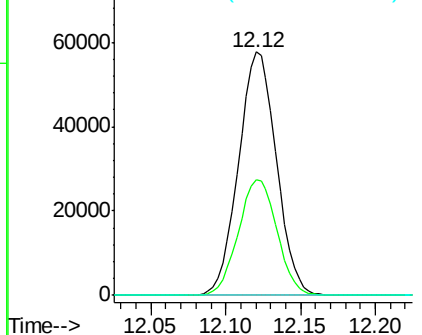


Abundance

Ion 172.70 (172.40 to 173.40): V

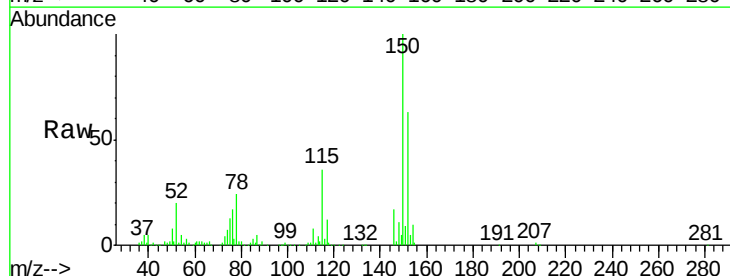
Ion 174.70 (174.40 to 175.40): V

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: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	30.3	90.9
150	174.2	0.0	345.2

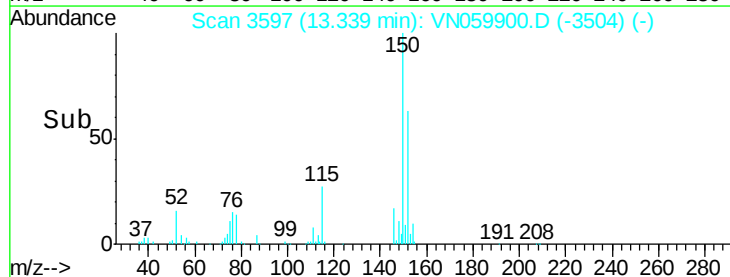
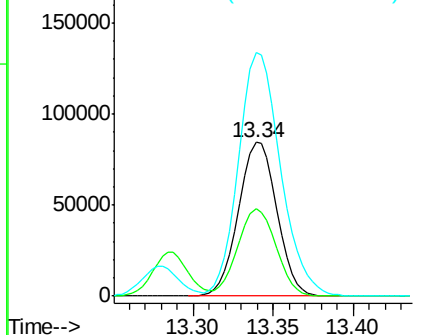


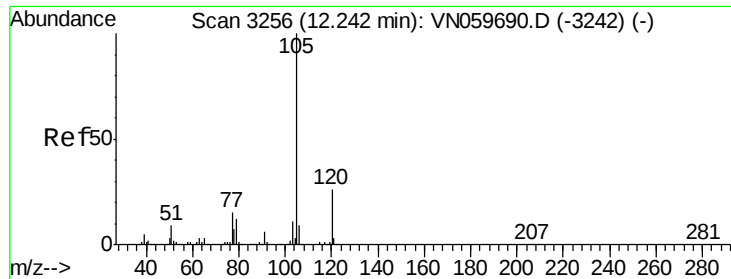
Abundance

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: 55.371 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 560404

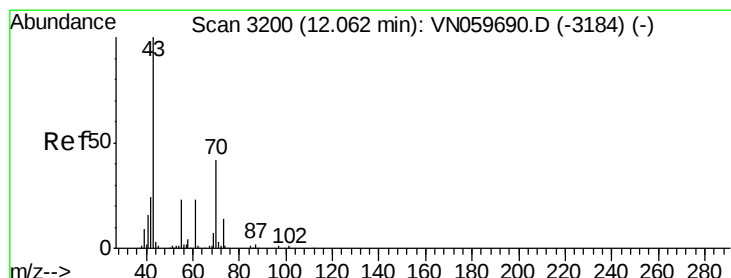
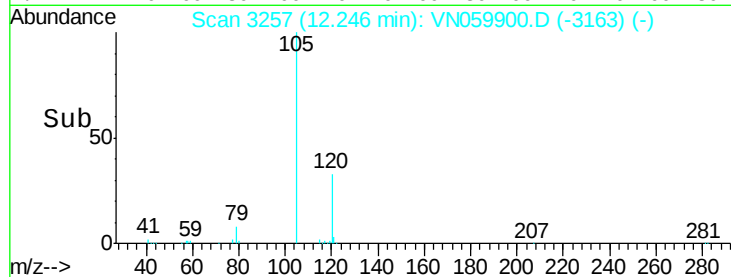
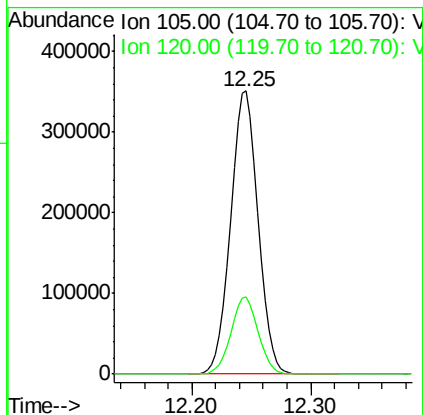
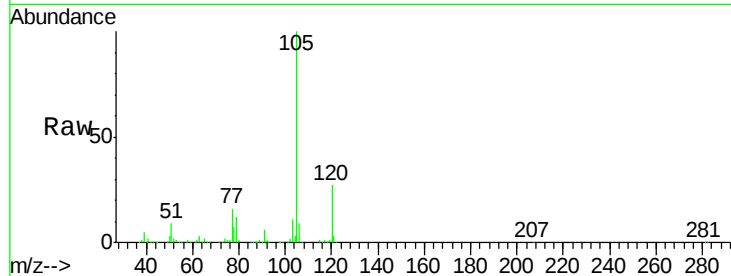
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 49.021 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion: 43 Resp: 192518

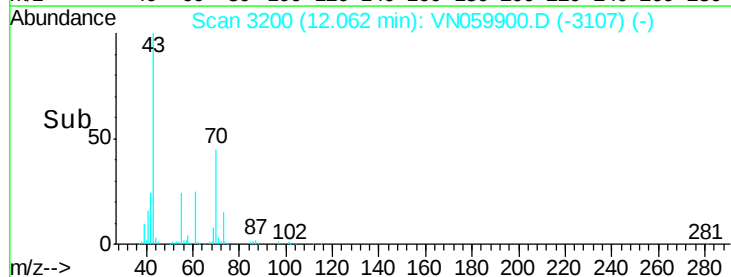
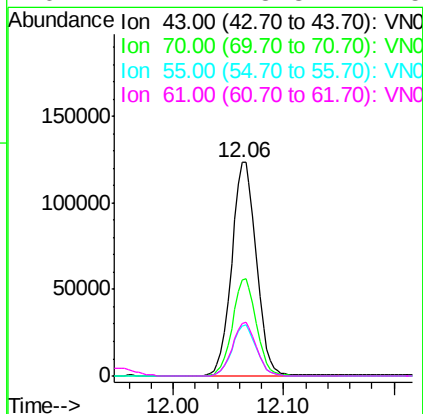
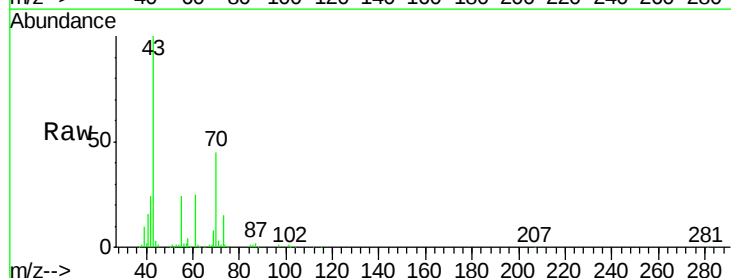
Ion Ratio Lower Upper

43 100

70 43.9 31.3 46.9

55 23.2 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 52.078 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

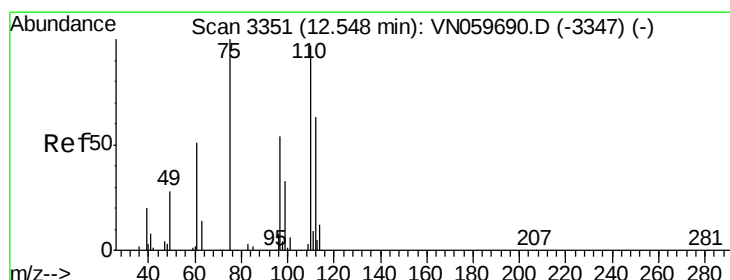
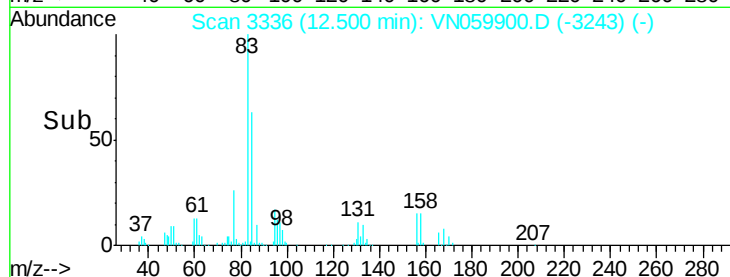
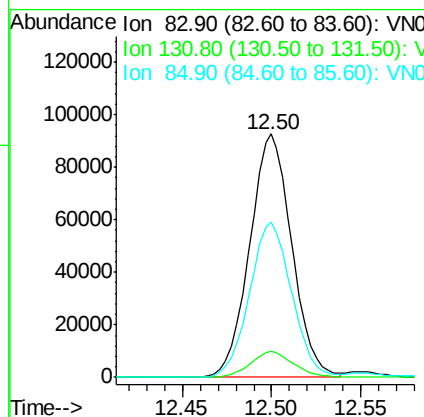
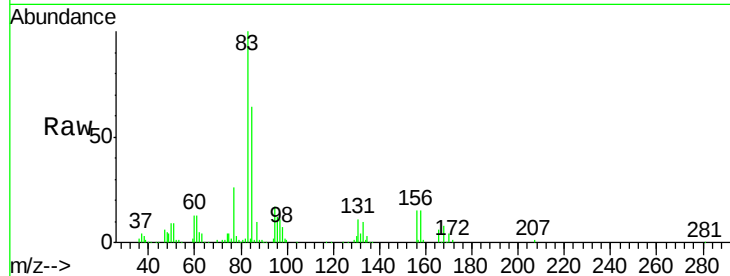
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	152799
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.330 ug/l m

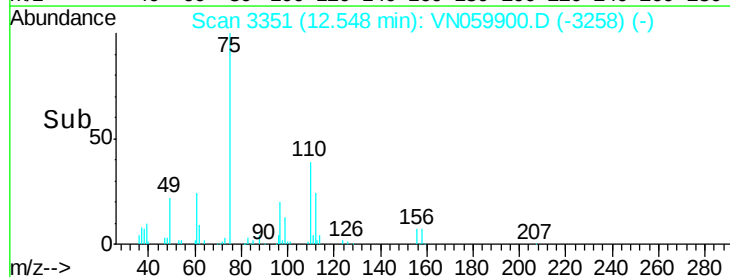
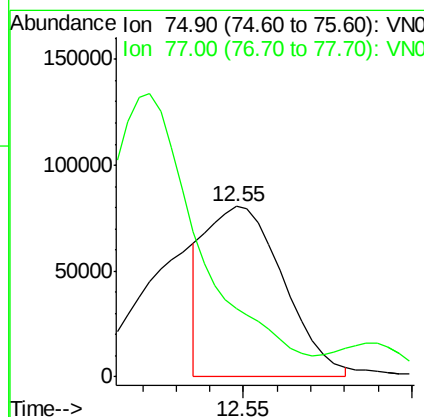
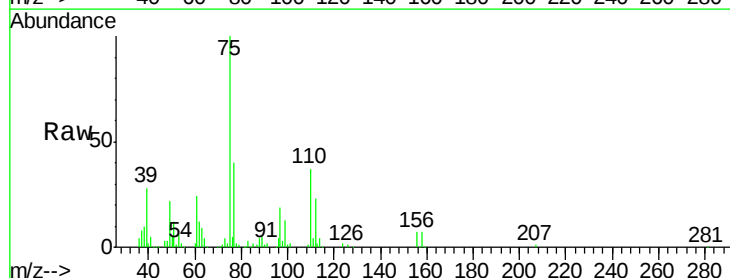
RT: 12.55 min Scan# 3351

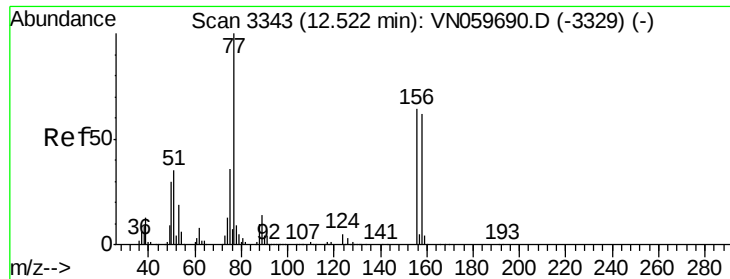
Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	75	Resp:	128499
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.197 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

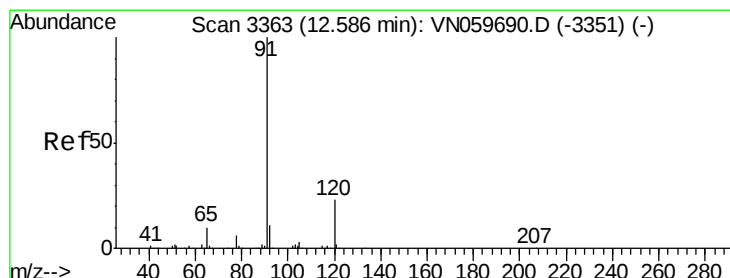
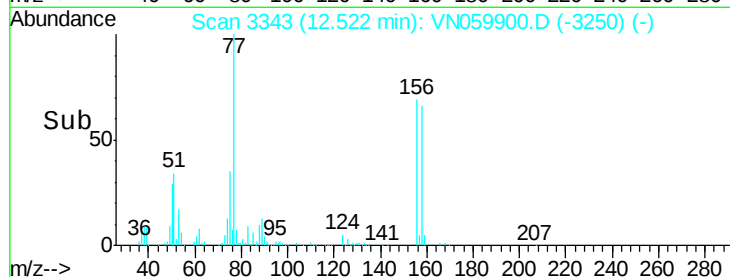
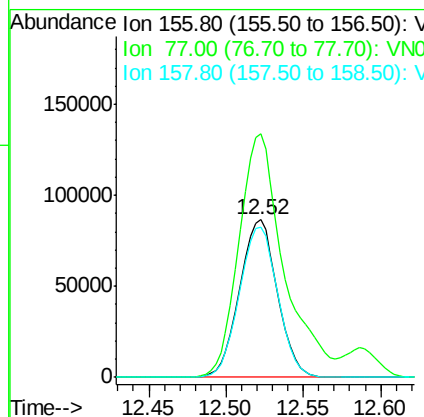
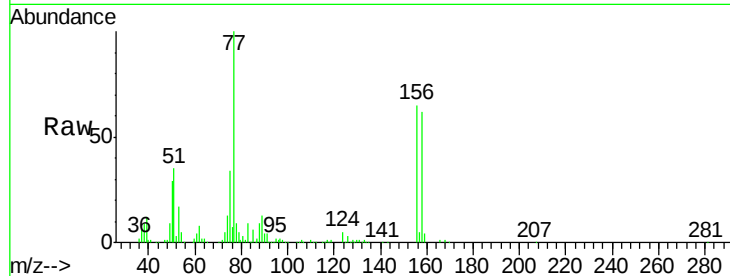
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	146596
Ion Ratio	Lower	Upper	
156	100		
77	185.1	115.8	347.4
158	97.4	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 56.093 ug/l

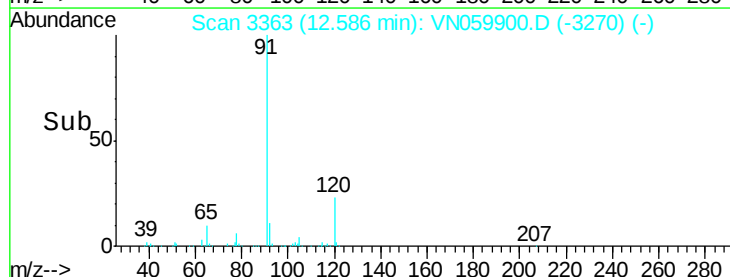
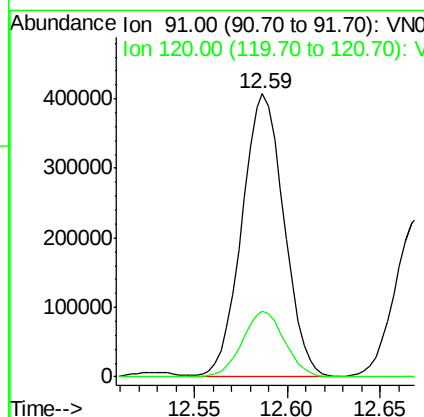
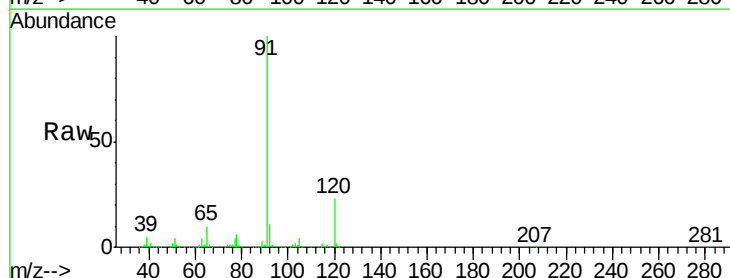
RT: 12.59 min Scan# 3363

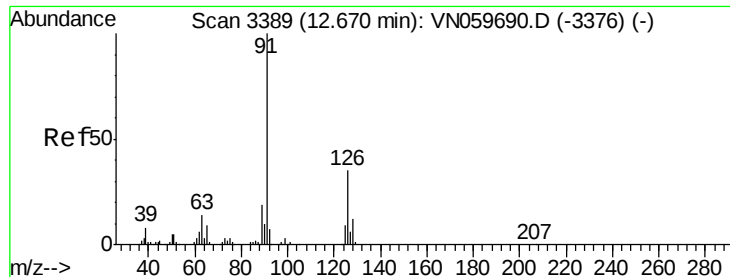
Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	91	Resp:	637199
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.1	33.3





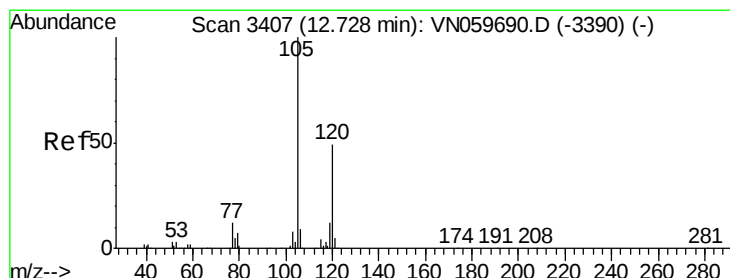
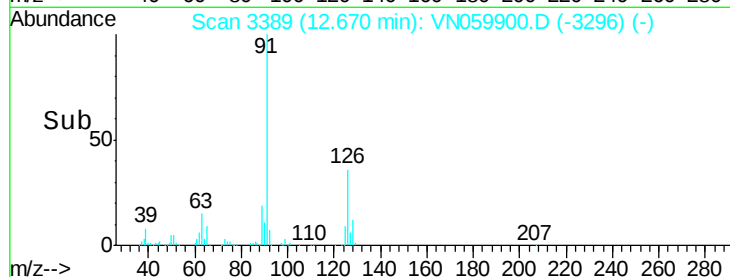
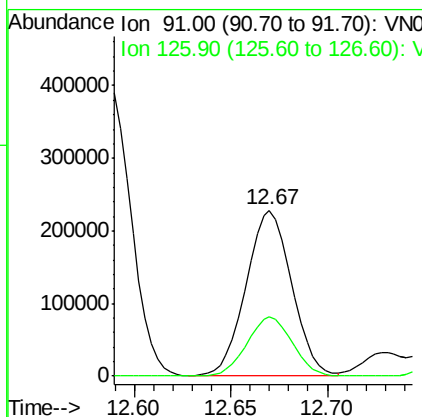
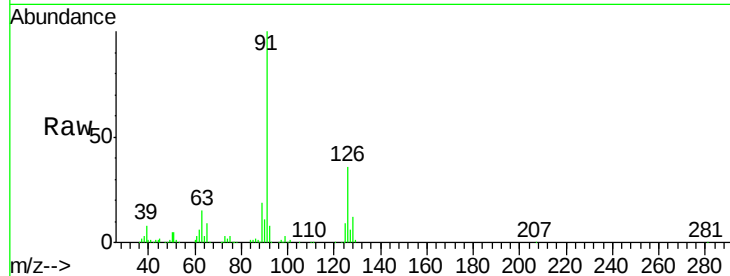
#79
2-Chlorotoluene
Concen: 55.226 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 373208
Ion Ratio Lower Upper
91 100
126 35.9 16.3 48.9

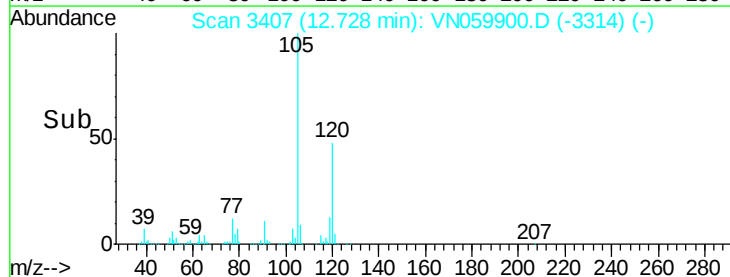
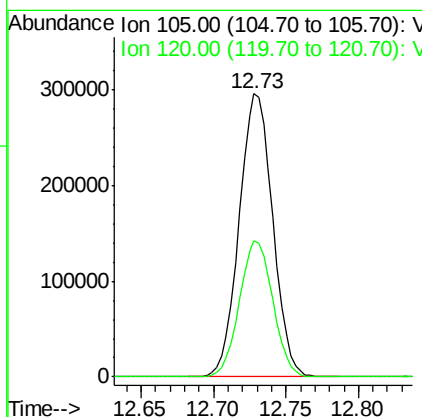
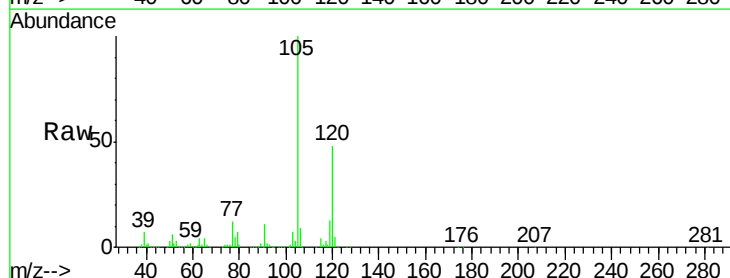
Manual Integrations
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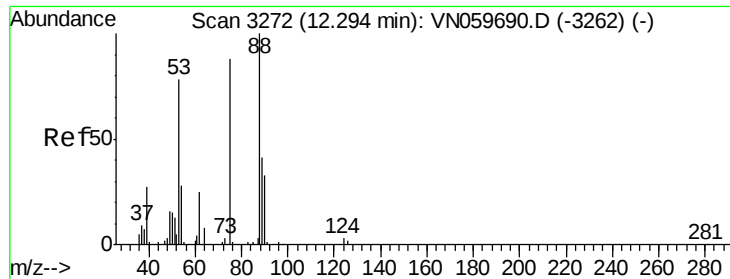
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 55.689 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion: 105 Resp: 474007
Ion Ratio Lower Upper
105 100
120 48.2 24.1 72.4





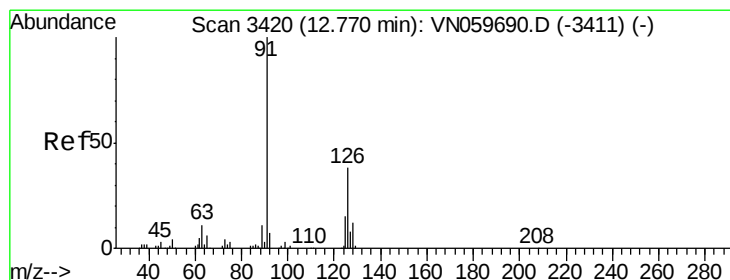
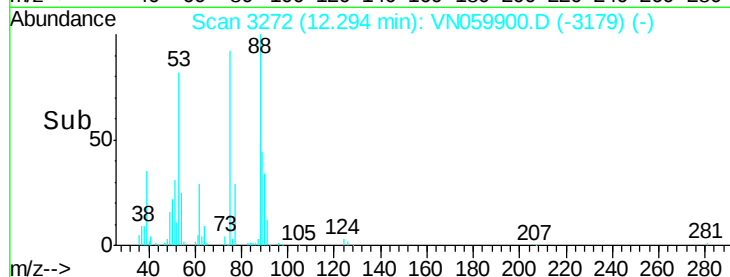
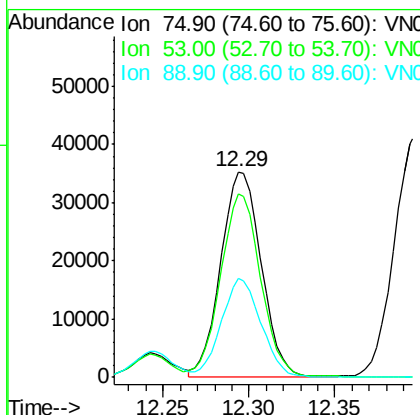
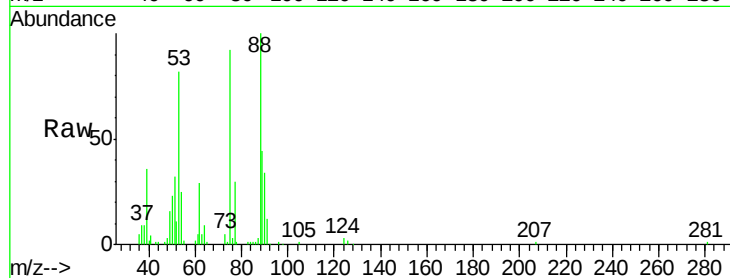
#81
trans-1,4-Dichloro-2-butene
Concen: 53.868 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	78.1	117.1
89	47.3	35.4	53.2

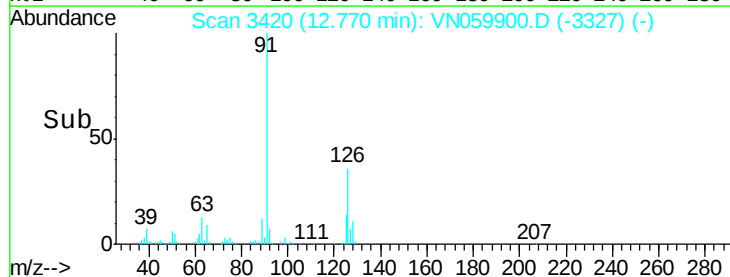
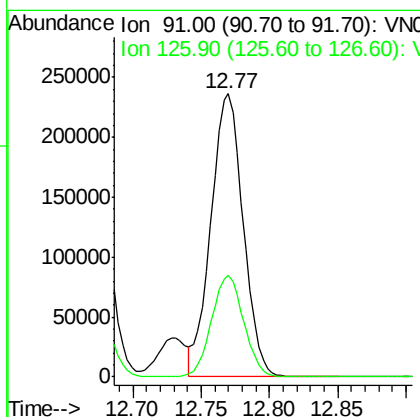
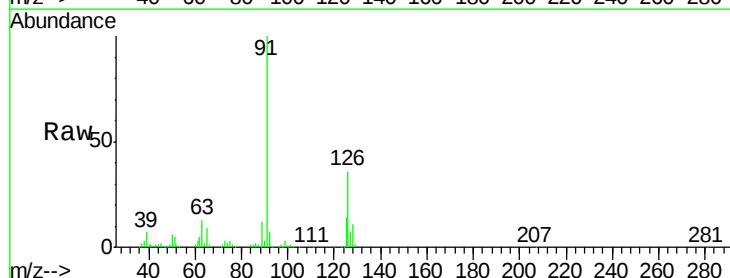
Manual Integrations
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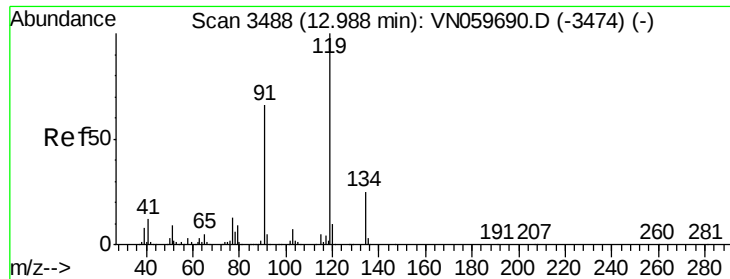
MMDadoda
1/30/2020 10:22:05 AM



#82
4-Chlorotoluene
Concen: 57.083 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.3	48.8





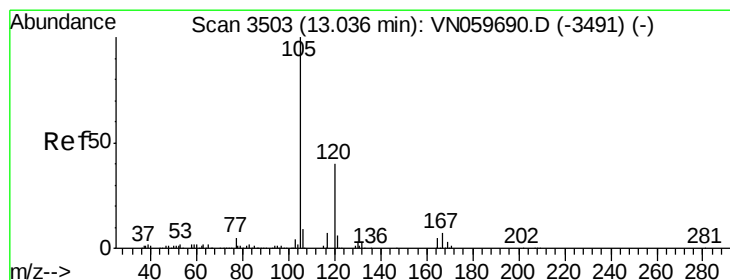
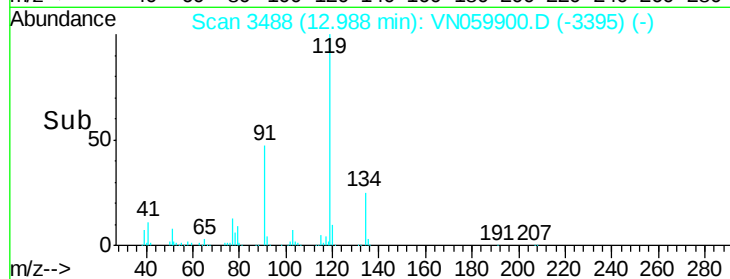
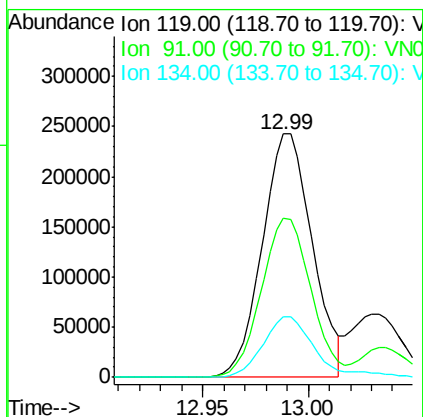
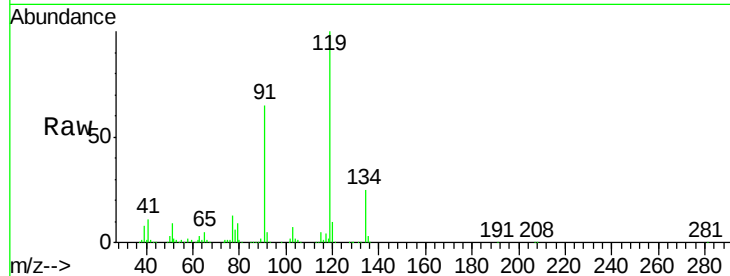
#83
tert-Butylbenzene
Concen: 54.298 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	34.8	104.4
134	26.0	12.3	36.9

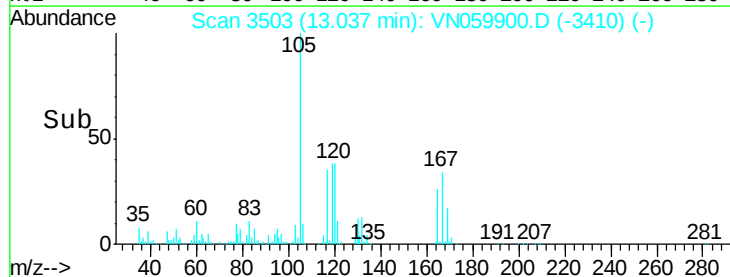
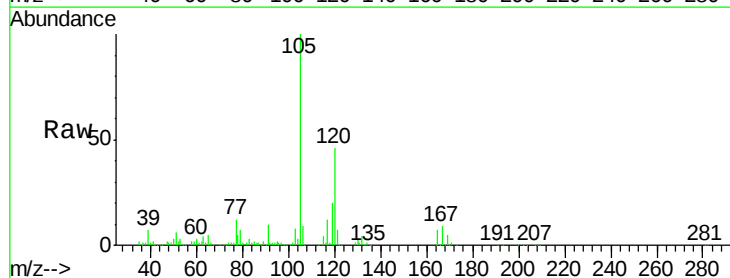
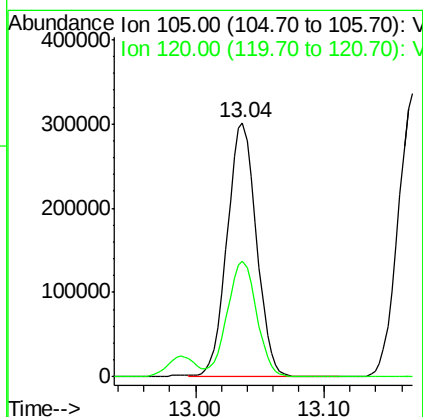
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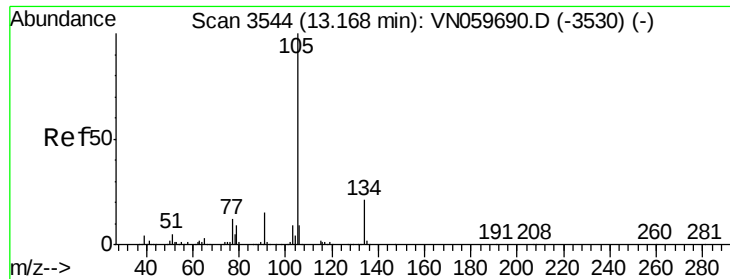
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#84
1,2,4-Trimethylbenzene
Concen: 56.201 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	22.3	66.9





#85

sec-Butylbenzene

Concen: 54.863 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 530628

Ion Ratio Lower Upper

105 100

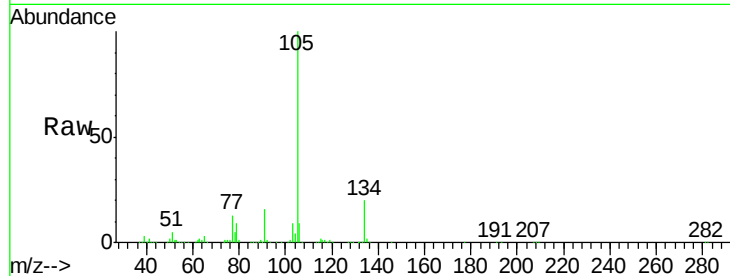
134 20.6 9.8 29.5

Manual Integrations

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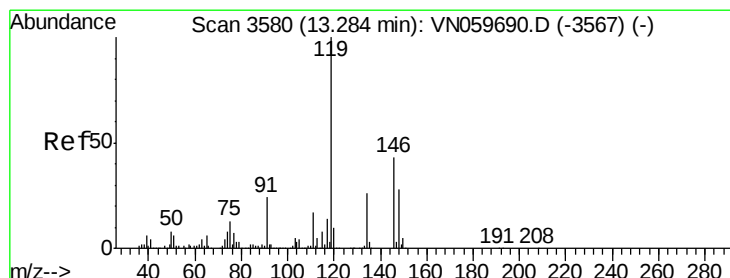
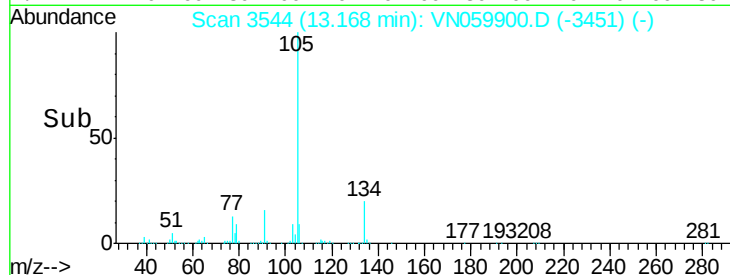
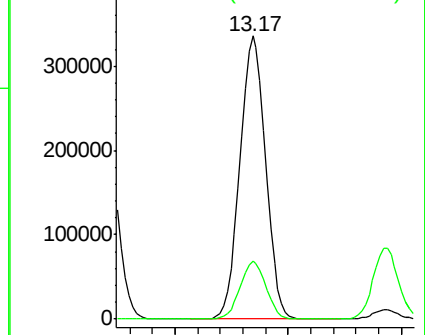
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.717 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

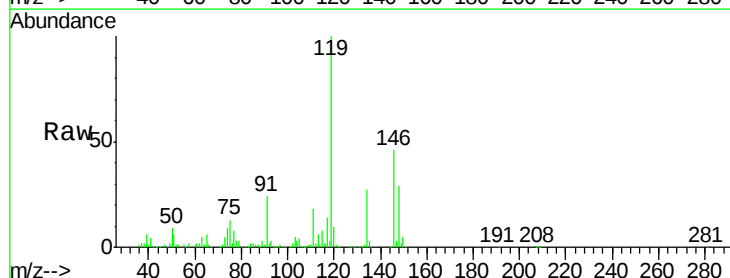
Tgt Ion:119 Resp: 489687

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.7

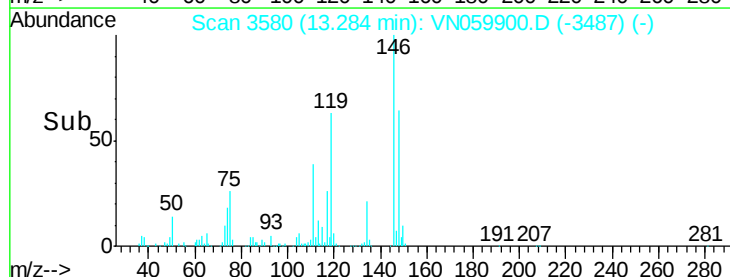
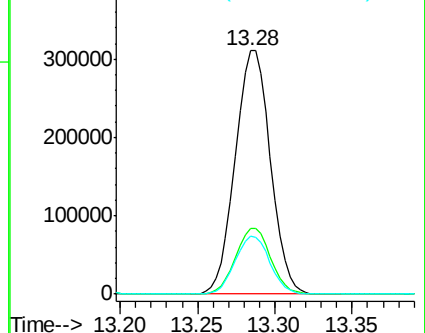
91 23.5 12.4 37.4



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





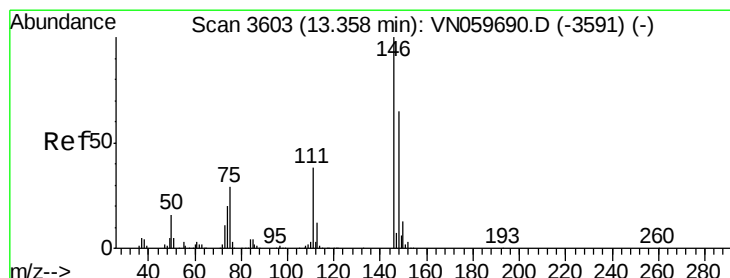
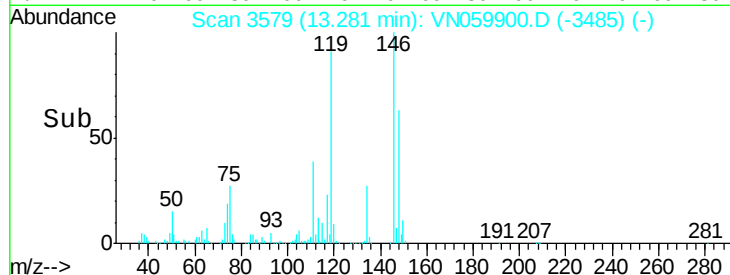
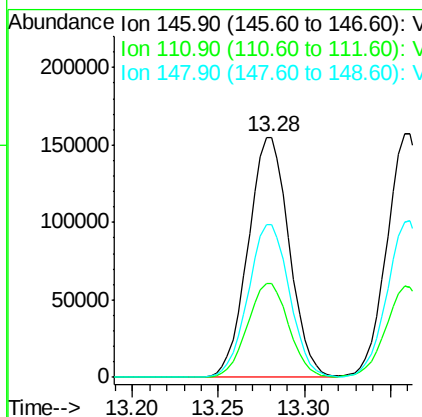
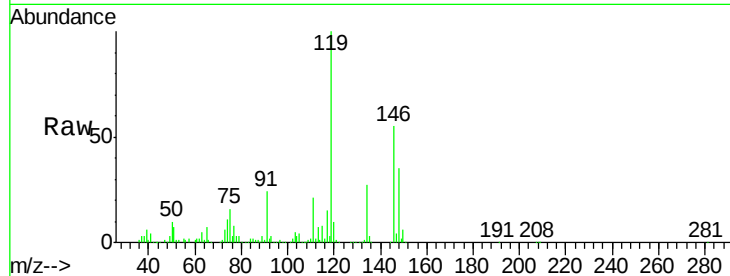
#87
 1,3-Dichlorobenzene
 Concen: 57.651 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256666		
111	39.3	20.8	62.2	
148	64.0	32.0	96.0	

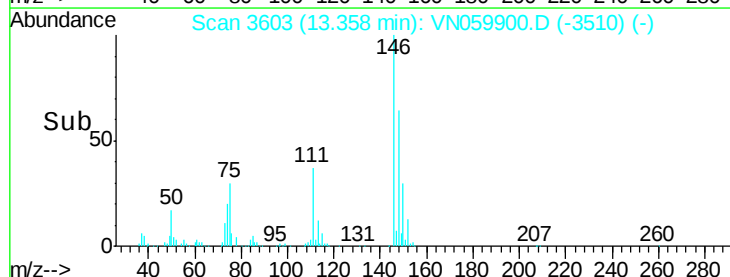
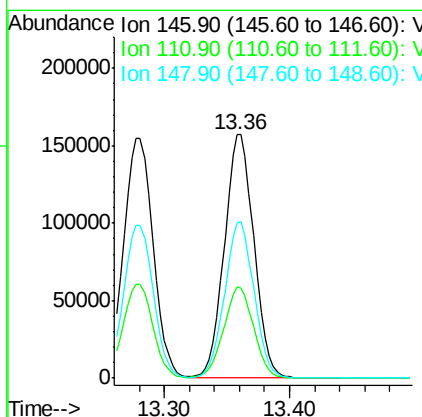
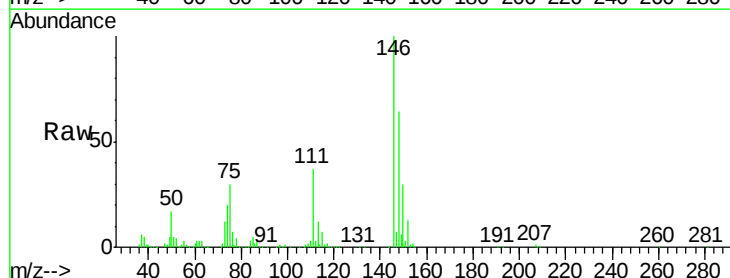
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#88
 1,4-Dichlorobenzene
 Concen: 58.074 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	257929		
111	38.0	20.8	62.2	
148	64.0	31.8	95.4	





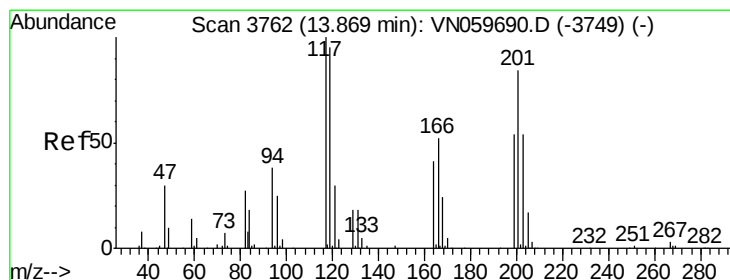
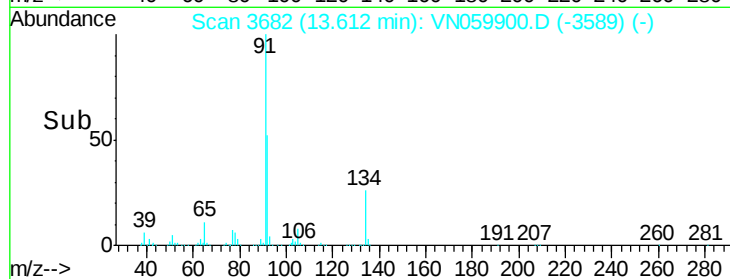
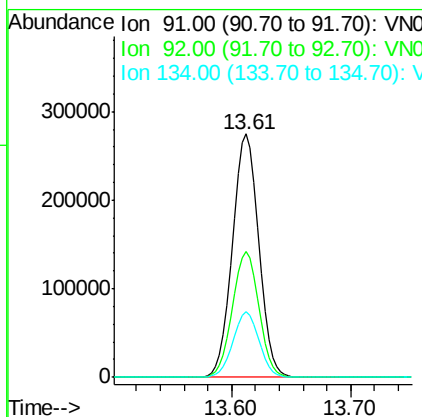
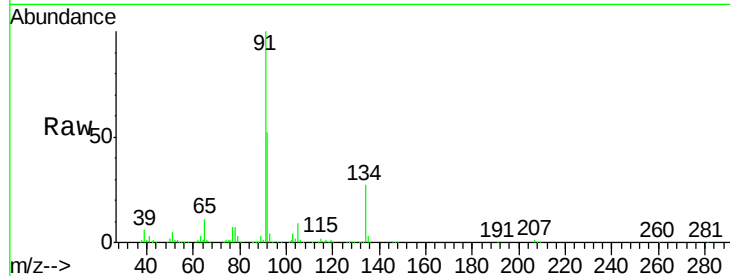
#89
n-Butylbenzene
Concen: 55.227 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.9	77.7
134	26.9	12.3	36.8

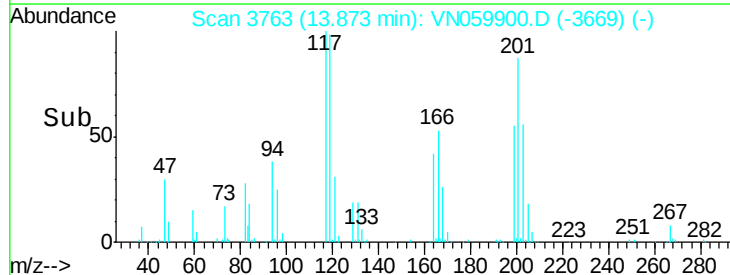
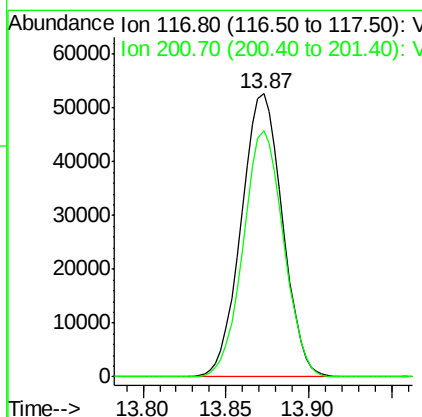
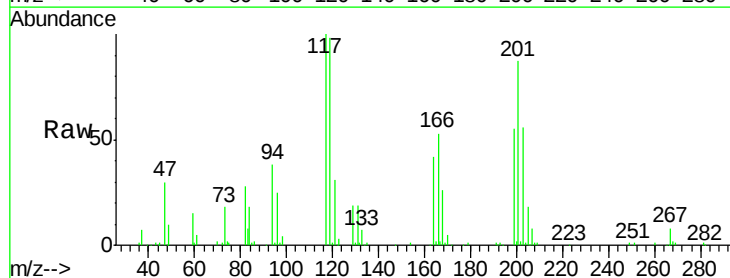
Manual Integrations
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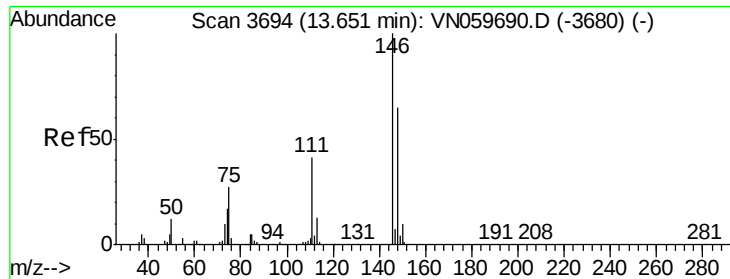
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#90
Hexachloroethane
Concen: 54.417 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059900.D
Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.9	37.8	113.4





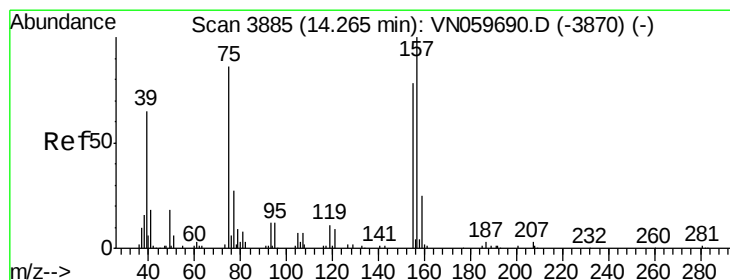
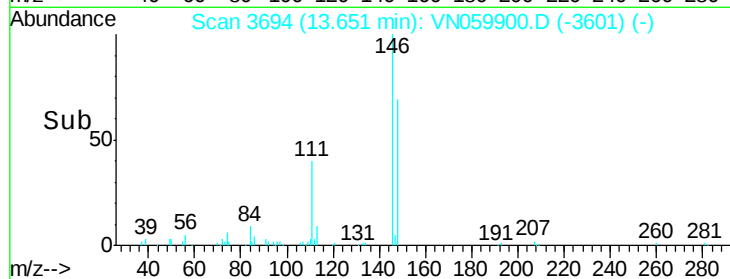
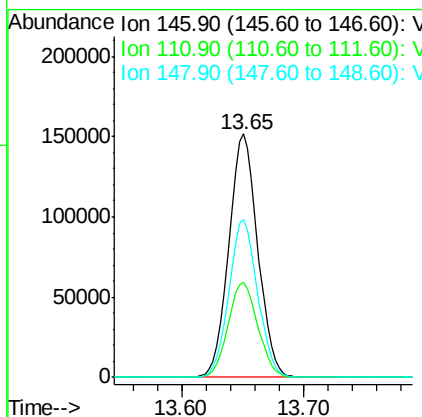
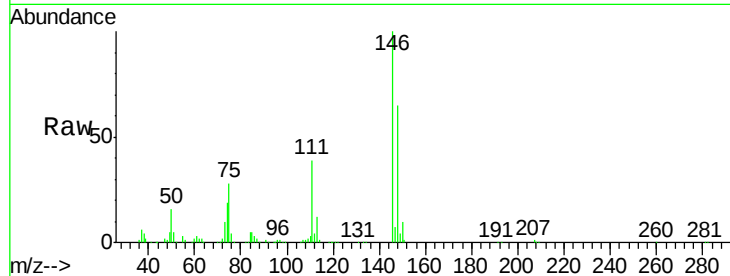
#91
 1,2-Dichlorobenzene
 Concen: 56.885 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	250371		
111	40.1		21.6	64.8
148	64.6		31.6	95.0

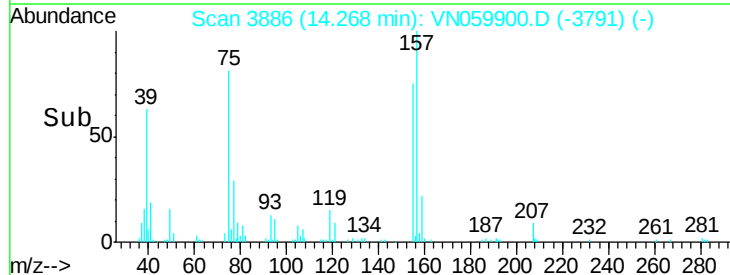
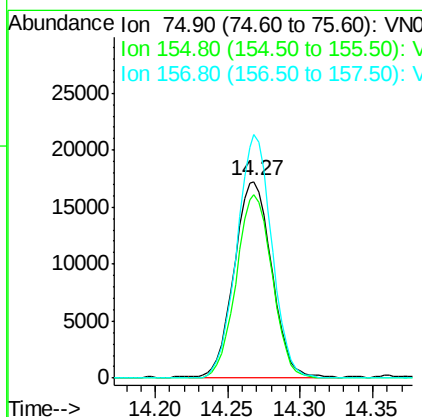
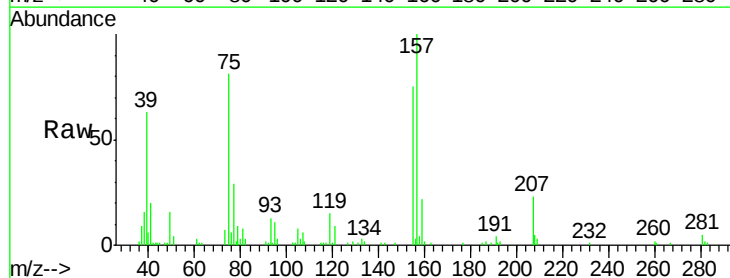
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.657 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31281		
155	88.2		37.0	110.9
157	113.8		48.4	145.2





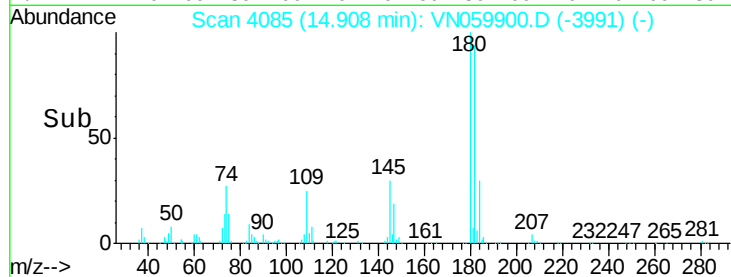
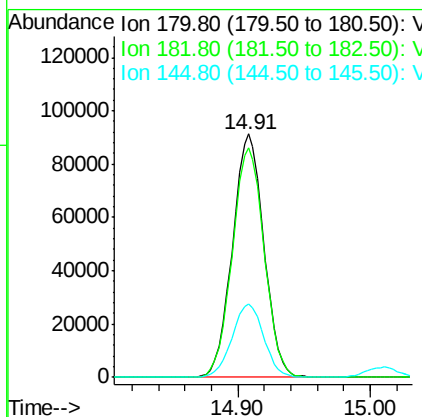
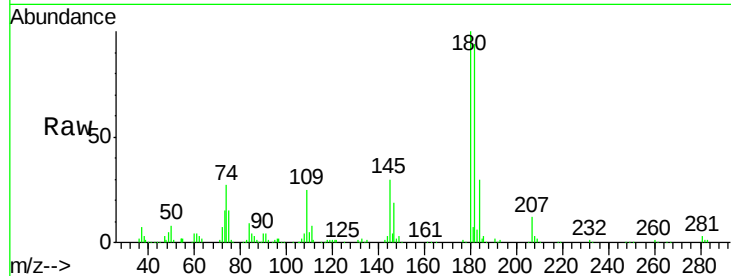
#93
 1,2,4-Trichlorobenzene
 Concen: 56.541 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	149534		
182	95.9	46.9	140.7	
145	30.4	15.0	45.1	

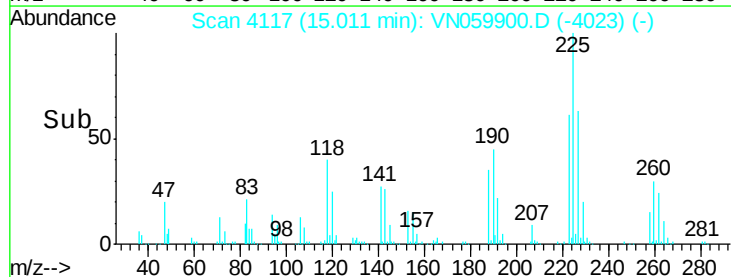
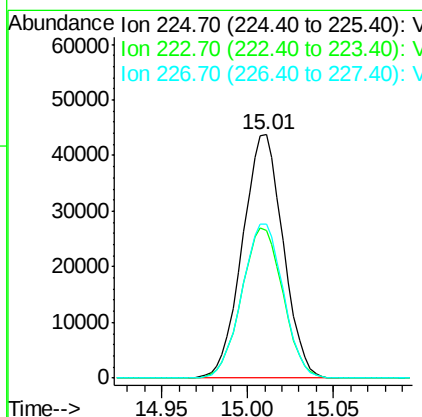
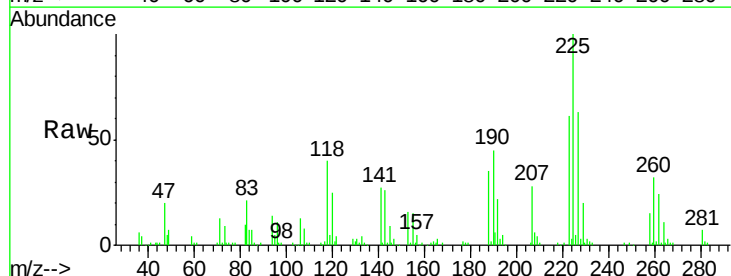
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 49.341 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059900.D
 Acq: 29 Jan 2020 9:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71910		
223	62.7	31.8	95.3	
227	64.0	32.1	96.5	





#95

Naphthalene

Concen: 51.384 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Instrument :

MSVOA_N

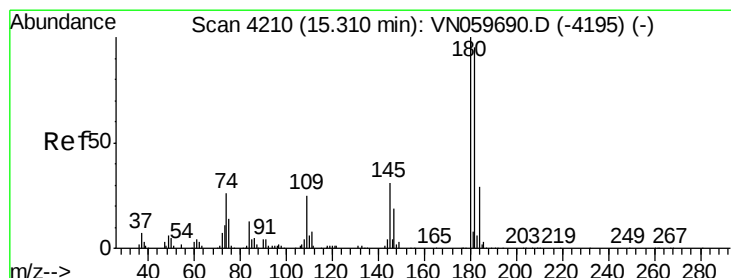
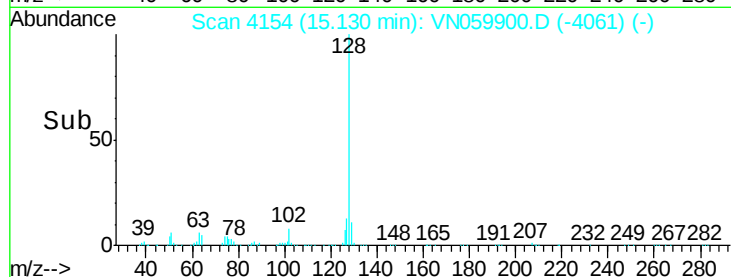
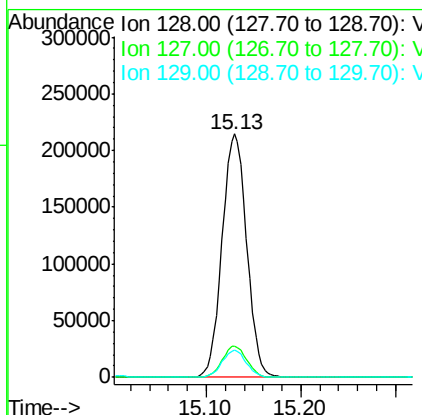
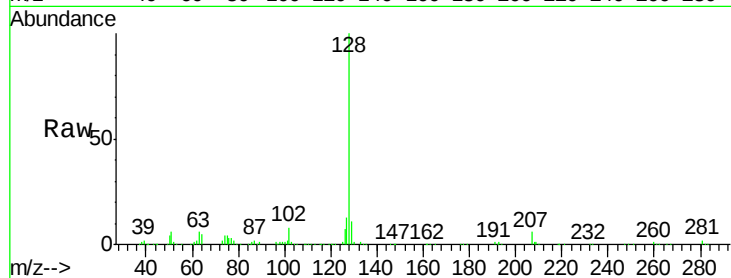
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	386540
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:22:05 AM



#96

1,2,3-Trichlorobenzene

Concen: 53.952 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN059900.D

Acq: 29 Jan 2020 9:51

Tgt Ion:	180	Resp:	138886
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.4	142.3
145	32.0	16.3	48.9

