

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059860.D
 Acq On : 24 Jan 2020 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM

Quant Time: Jan 25 02:17:05 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	178805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	286996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108568	54.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.36%	
35) Dibromofluoromethane	7.56	113	91260	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
50) Toluene-d8	10.08	98	335009	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.39	95	121047	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	101194	47.981	ug/l	98
3) Chloromethane	2.04	50	99777	48.741	ug/l	97
4) Vinyl Chloride	2.17	62	128438	54.836	ug/l	98
5) Bromomethane	2.53	94	78521	54.933	ug/l	99
6) Chloroethane	2.68	64	61486	55.487	ug/l	98
7) Trichlorofluoromethane	3.00	101	147567	52.461	ug/l	99
8) Diethyl Ether	3.38	74	57542	58.291	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83664	53.441	ug/l	93
10) Methyl Iodide	3.93	142	141648	55.976	ug/l	95
11) Tert butyl alcohol	4.73	59	90522	270.799	ug/l	99
12) 1,1-Dichloroethene	3.72	96	85381	52.193	ug/l	88
13) Acrolein	3.58	56	89662	378.915	ug/l	96
14) Allyl chloride	4.29	41	113499	51.474	ug/l #	82
15) Acrylonitrile	4.94	53	221776	290.848	ug/l	100
16) Acetone	3.78	43	198749	295.275	ug/l	95
17) Carbon Disulfide	4.03	76	216071	46.366	ug/l	98
18) Methyl Acetate	4.29	43	142646	61.501	ug/l #	90
19) Methyl tert-butyl Ether	5.01	73	305167	57.215	ug/l	95
20) Methylene Chloride	4.52	84	99679	55.631	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	90309	51.934	ug/l	90
22) Diisopropyl ether	5.91	45	272062	54.446	ug/l #	96
23) Vinyl Acetate	5.86	43	908779	234.900	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	166914	54.668	ug/l	96
25) 2-Butanone	6.80	43	290003	257.901	ug/l #	89
26) 2,2-Dichloropropane	6.80	77	144806	49.333	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	110717	55.357	ug/l	86
28) Bromochloromethane	7.17	49	61964	50.777	ug/l #	68
29) Tetrahydrofuran	7.18	42	187143	268.986	ug/l #	85
30) Chloroform	7.35	83	180814	57.156	ug/l	98
31) Cyclohexane	7.63	56	129849	44.197	ug/l	90
32) 1,1,1-Trichloroethane	7.55	97	159257	54.447	ug/l	95
36) 1,1-Dichloropropene	7.77	75	121328	48.545	ug/l	96
37) Ethyl Acetate	6.90	43	119428	50.948	ug/l #	95
38) Carbon Tetrachloride	7.75	117	139829	51.433	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
 Data File : VN059860.D
 Acq On : 24 Jan 2020 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM

Quant Time: Jan 25 02:17:05 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)
39) Methylcyclohexane	9.06	83	140981	45.748	ug/l	91
40) Benzene	8.02	78	383110	51.399	ug/l	99
41) Methacrylonitrile	7.15	41	60882m	52.730	ug/l	
42) 1,2-Dichloroethane	8.10	62	139234	55.094	ug/l	96
43) Isopropyl Acetate	8.14	43	211098	52.357	ug/l #	94
44) Trichloroethene	8.82	130	106478	52.329	ug/l	92
45) 1,2-Dichloropropane	9.10	63	98993	53.671	ug/l	100
46) Dibromomethane	9.19	93	72044	55.373	ug/l	91
47) Bromodichloromethane	9.39	83	147513	56.262	ug/l	99
48) Methyl methacrylate	9.18	41	95469	52.936	ug/l	91
49) 1,4-Dioxane	9.18	88	36509	1105.826	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	614621	263.702	ug/l	94
52) Toluene	10.14	92	245904	52.230	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	160199	54.721	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	165490	53.725	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	104691	56.144	ug/l	97
56) Ethyl methacrylate	10.42	69	153477	53.866	ug/l	91
57) 1,3-Dichloropropane	10.70	76	166871	56.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	243461	283.687	ug/l	91
59) 2-Hexanone	10.74	43	452220	263.368	ug/l	94
60) Dibromochloromethane	10.89	129	121520	57.228	ug/l	100
61) 1,2-Dibromoethane	10.99	107	110568	56.574	ug/l	98
64) Tetrachloroethene	10.62	164	138432	65.060	ug/l	96
65) Chlorobenzene	11.43	112	271195	52.849	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110148	55.552	ug/l	99
67) Ethyl Benzene	11.50	91	469117	50.360	ug/l	97
68) m/p-Xylenes	11.61	106	358431	101.863	ug/l	94
69) o-Xylene	11.94	106	175990	51.087	ug/l	95
70) Styrene	11.96	104	296149	51.375	ug/l	97
71) Bromoform	12.12	173	92849	58.460	ug/l #	99
73) Isopropylbenzene	12.24	105	467268	50.930	ug/l	100
74) N-amyl acetate	12.06	43	180687	50.753	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	148744	55.924	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127788m	60.698	ug/l	
77) Bromobenzene	12.52	156	122094	52.550	ug/l	84
78) n-propylbenzene	12.59	91	518916	50.391	ug/l	97
79) 2-Chlorotoluene	12.67	91	309949	50.595	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	390988	50.673	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	53023	54.086	ug/l	93
82) 4-Chlorotoluene	12.77	91	317363	51.649	ug/l	95
83) tert-Butylbenzene	12.99	119	338948	50.791	ug/l	95
84) 1,2,4-Trimethylbenzene	13.03	105	393329	51.526	ug/l	99
85) sec-Butylbenzene	13.17	105	442930	50.518	ug/l	99
86) p-Isopropyltoluene	13.28	119	406735	50.135	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	210328	52.115	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	210601	52.308	ug/l	97
89) n-Butylbenzene	13.61	91	343355	49.637	ug/l	98
90) Hexachloroethane	13.87	117	78677	51.833	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	211493	53.007	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30912	54.328	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012420\
Data File : VN059860.D
Acq On : 24 Jan 2020 20:58
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM

Quant Time: Jan 25 02:17:05 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)
93) 1,2,4-Trichlorobenzene	14.90	180	124673	52.002	ug/l	100
94) Hexachlorobutadiene	15.00	225	64344	48.703	ug/l	99
95) Naphthalene	15.13	128	349806	51.297	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120128	51.477	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 178805

Ion Ratio Lower Upper

168 100

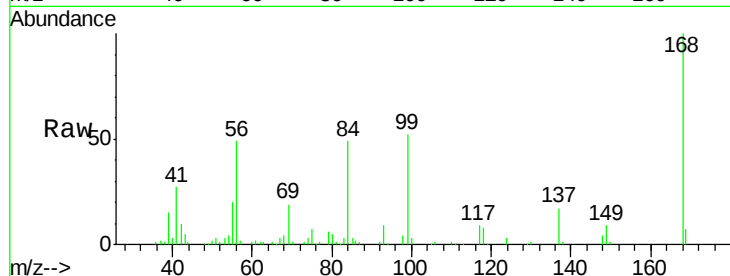
99 52.0 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

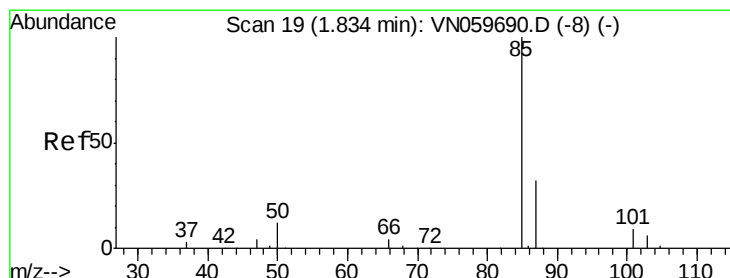
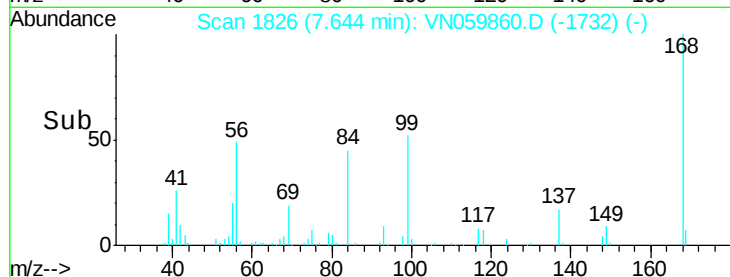
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 47.981 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059860.D

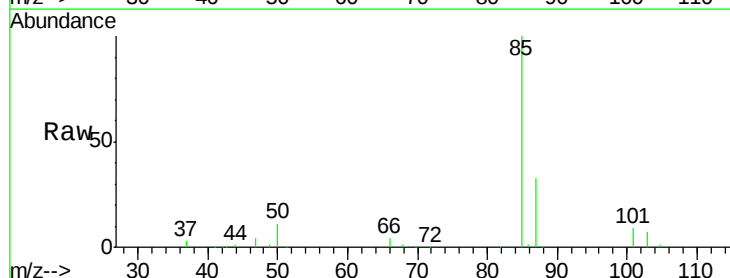
Acq: 24 Jan 2020 20:58

Tgt Ion: 85 Resp: 101194

Ion Ratio Lower Upper

85 100

87 33.1 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

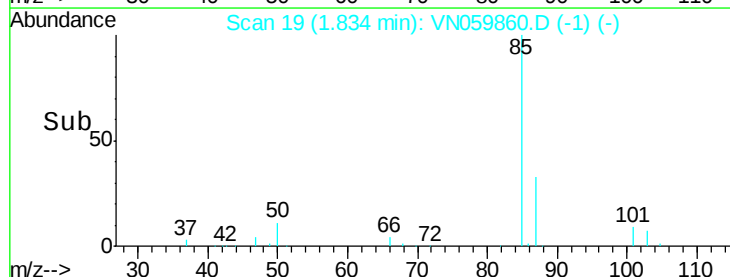
40000

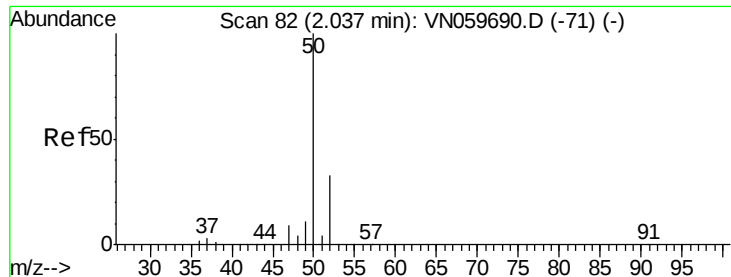
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.741 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 99777

Ion Ratio Lower Upper

50 100

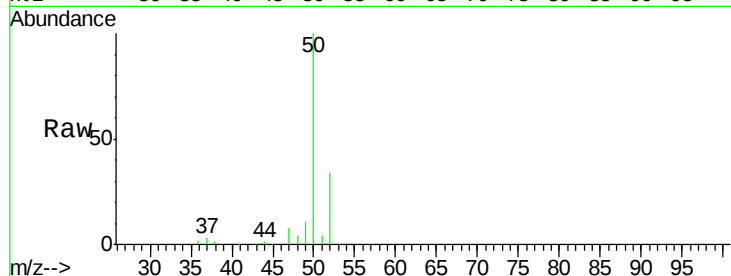
52 33.8 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

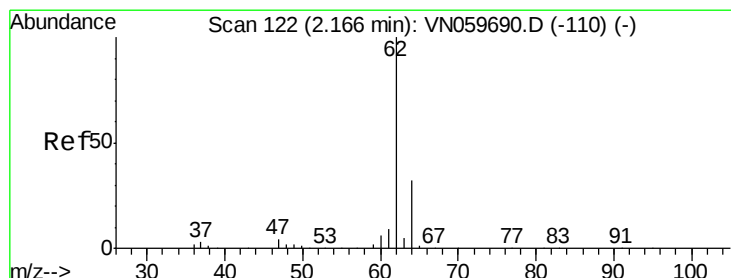
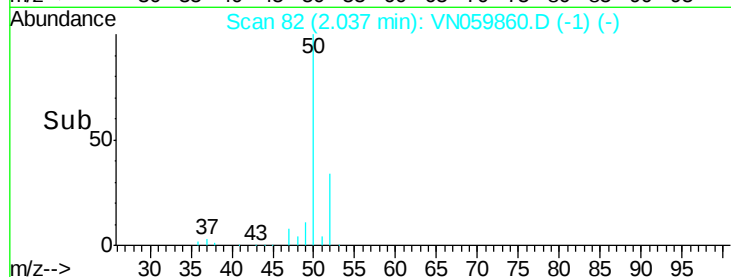
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 54.836 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059860.D

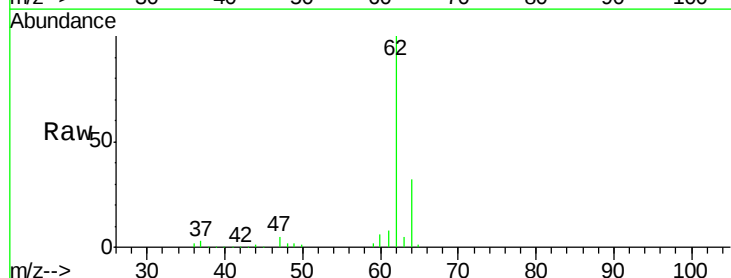
Acq: 24 Jan 2020 20:58

Tgt Ion: 62 Resp: 128438

Ion Ratio Lower Upper

62 100

64 32.0 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

100000

80000

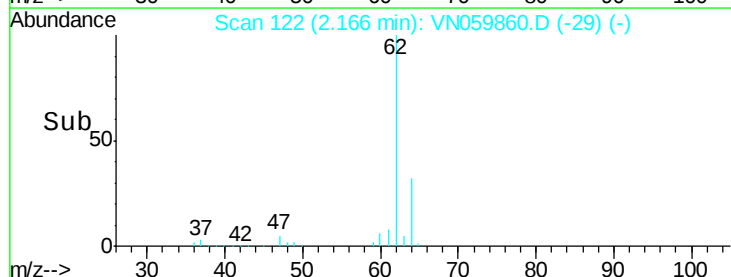
60000

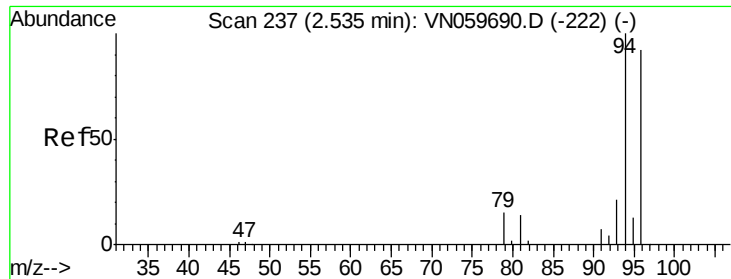
40000

20000

0

Time-->





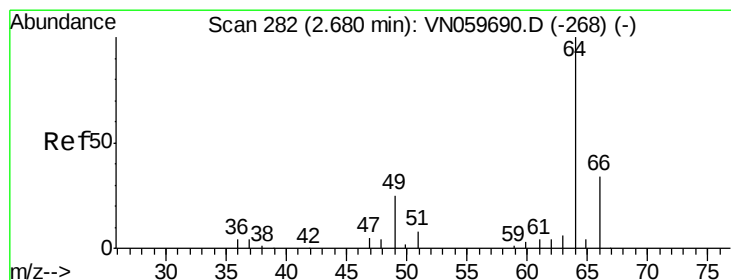
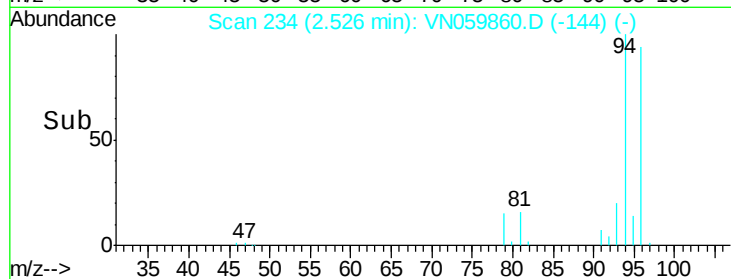
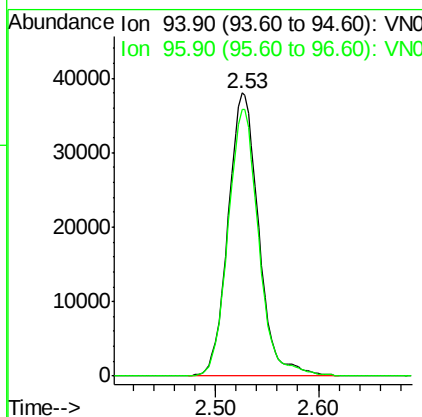
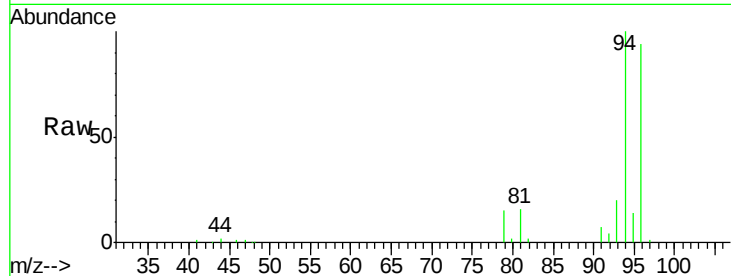
#5
Bromomethane
Concen: 54.933 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 94 Resp: 78521
Ion Ratio Lower Upper
94 100
96 94.0 74.7 112.1

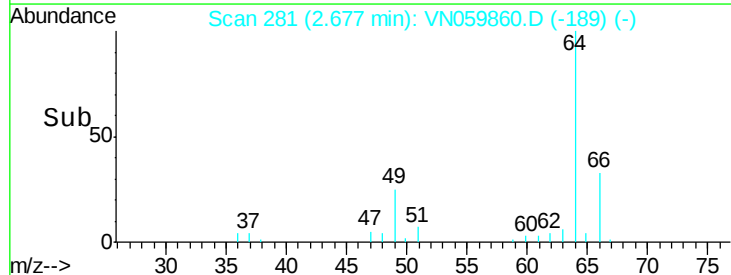
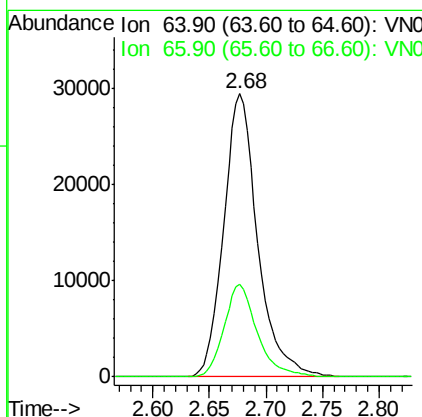
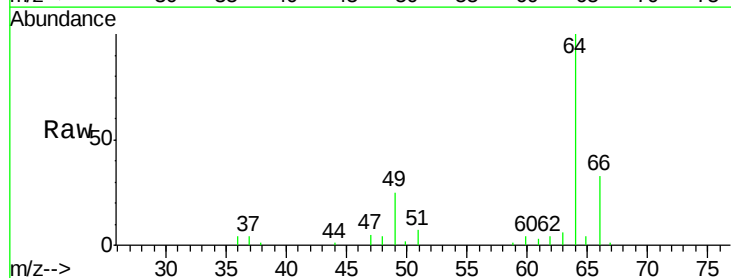
Manual Integrations
APPROVED

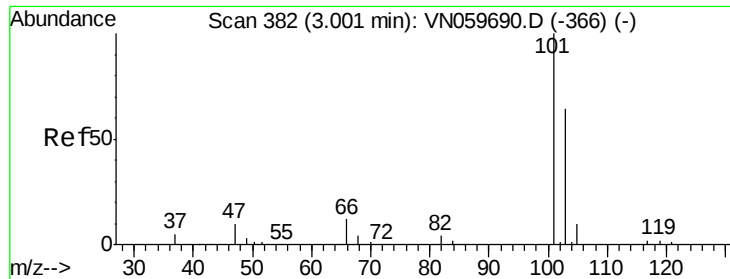
MMDadoda
1/27/2020 11:16:08 AM



#6
Chloroethane
Concen: 55.487 ug/l
RT: 2.68 min Scan# 281
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion: 64 Resp: 61486
Ion Ratio Lower Upper
64 100
66 32.6 25.1 37.7





#7

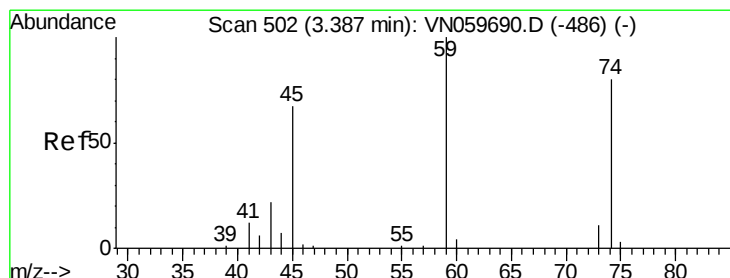
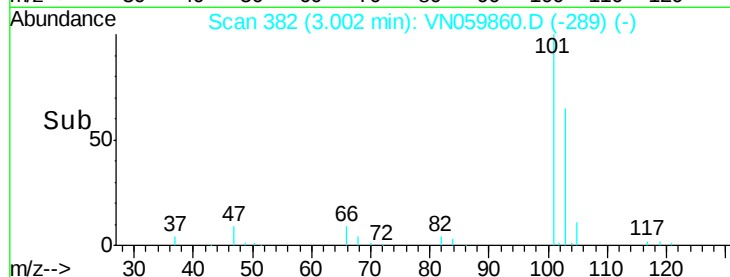
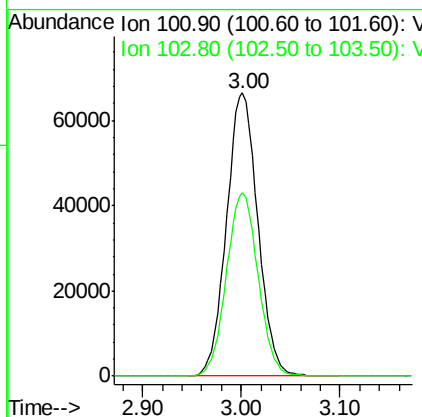
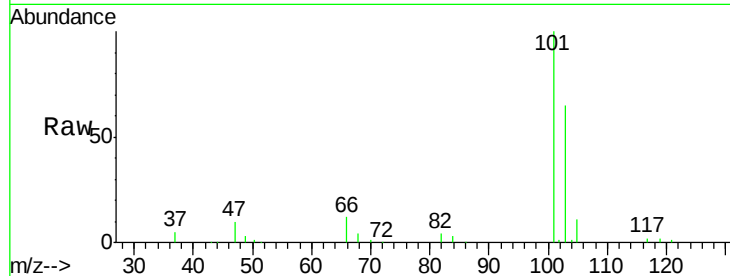
Trichlorofluoromethane
 Concen: 52.461 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 147567
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.0 76.6

Manual Integrations
 APPROVED

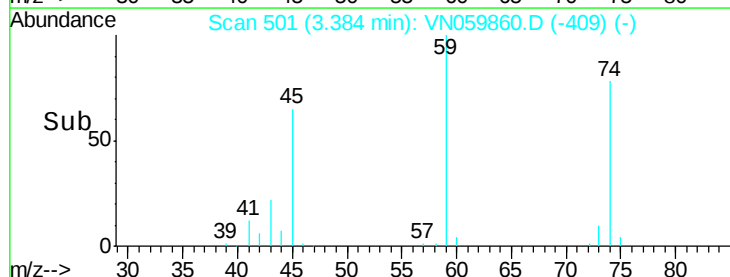
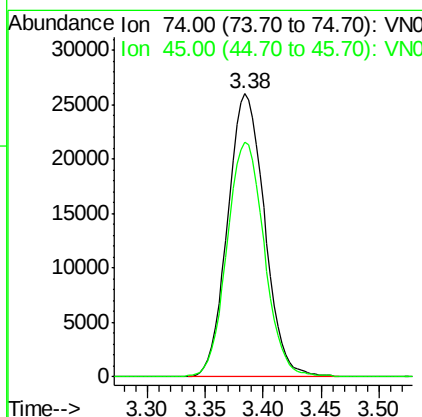
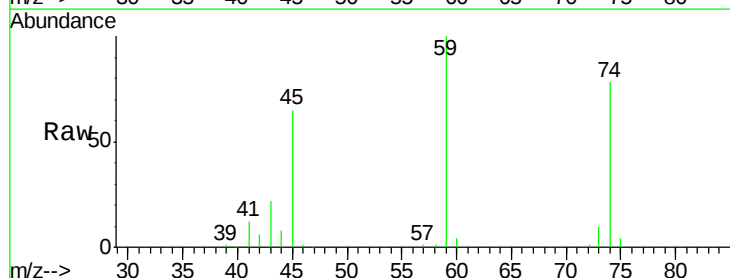
MMDadoda
 1/27/2020 11:16:08 AM



#8

Diethyl Ether
 Concen: 58.291 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion: 74 Resp: 57542
 Ion Ratio Lower Upper
 74 100
 45 83.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.441 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

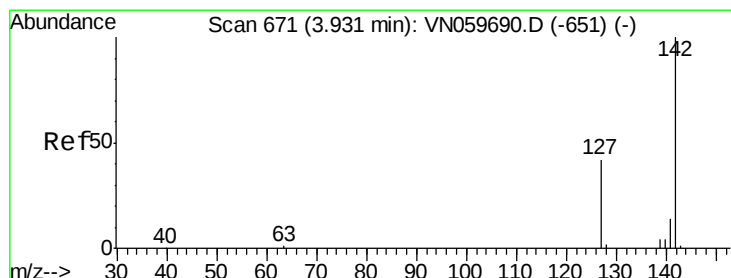
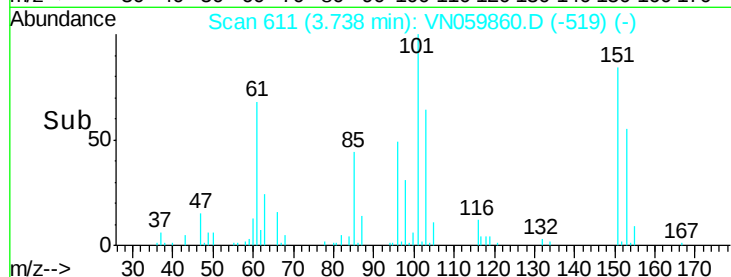
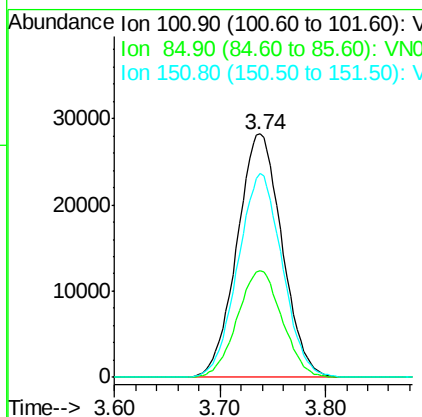
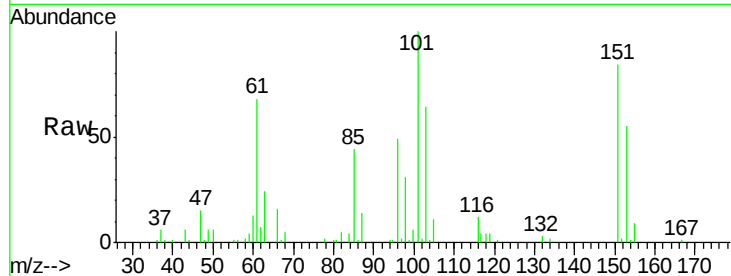
ClientSampled :

VSTDCCC050EC

Tot Ion:	101	Resp:	83664
Ion Ratio	Lower	Upper	
101	100		
85	43.4	36.6	54.8
151	82.9	59.7	89.5

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#10

Methyl Iodide

Concen: 55.976 ug/l

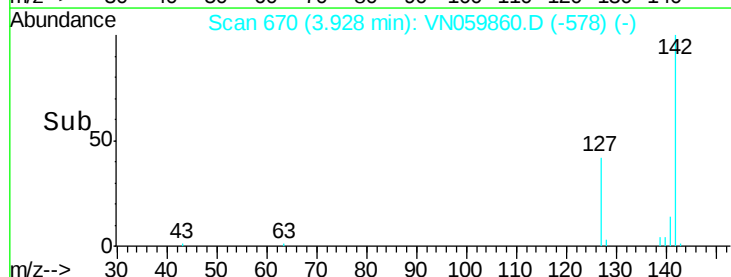
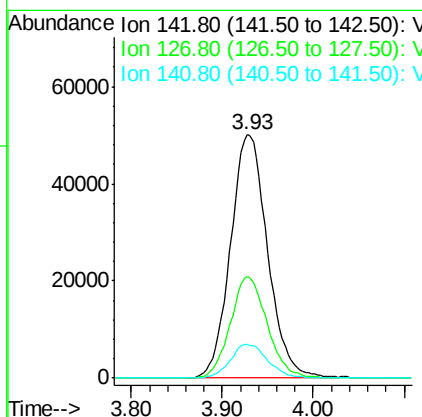
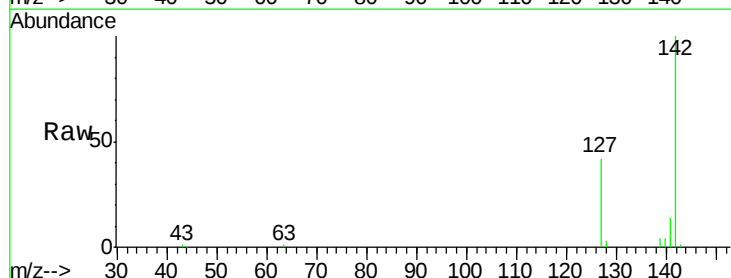
RT: 3.93 min Scan# 670

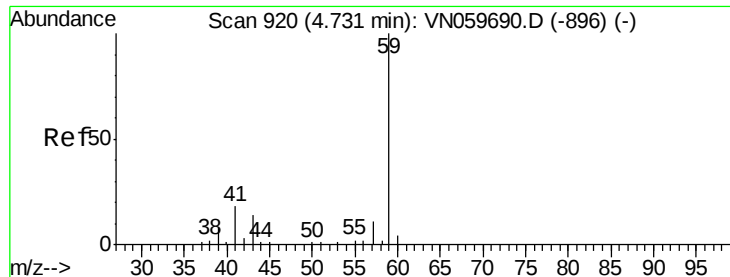
Delta R.T. -0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	142	Resp:	141648
Ion Ratio	Lower	Upper	
142	100		
127	41.5	36.7	55.1
141	14.1	11.7	17.5





#11

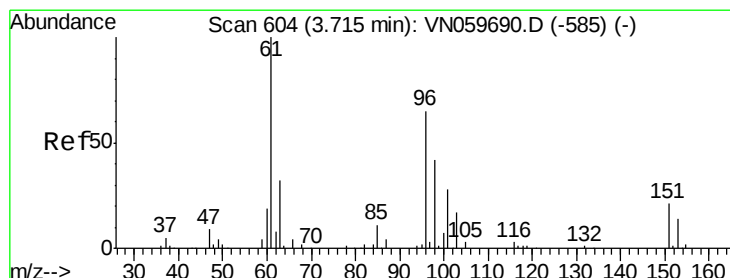
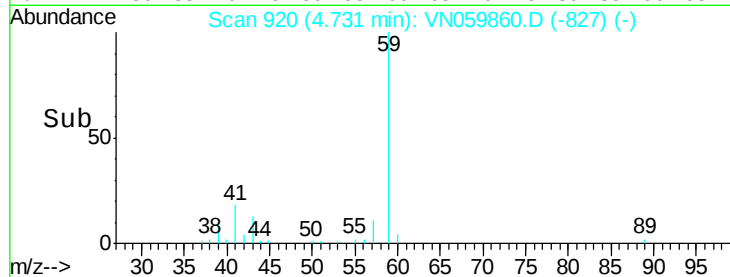
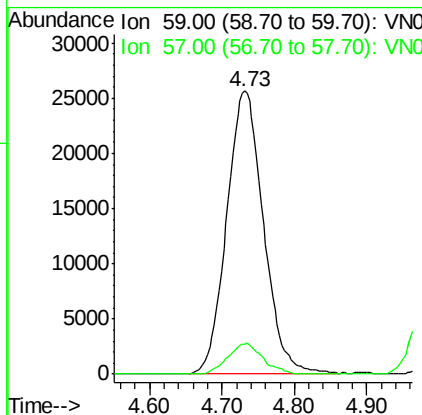
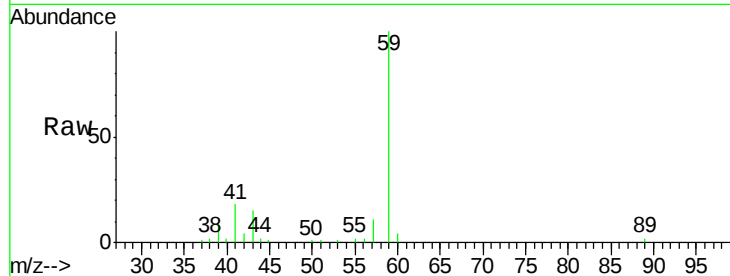
Tert butyl alcohol
Concen: 270.799 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

Manual Integrations
APPROVED

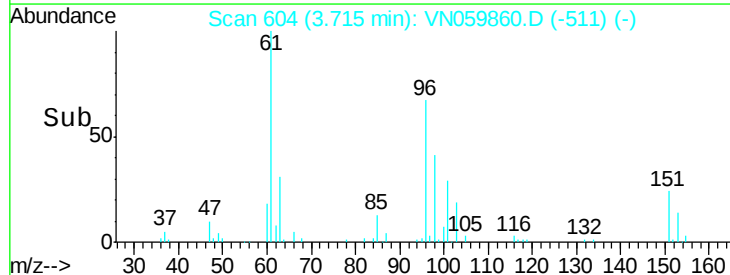
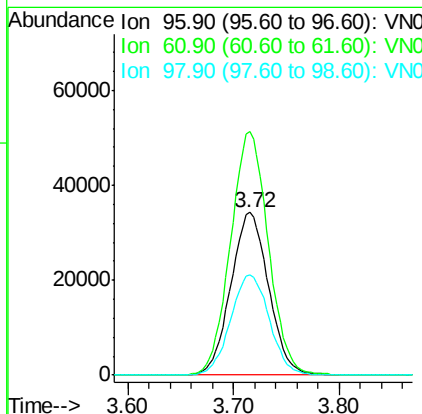
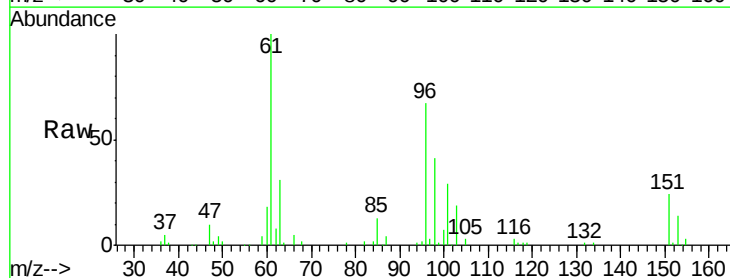
MMDadoda
1/27/2020 11:16:08 AM

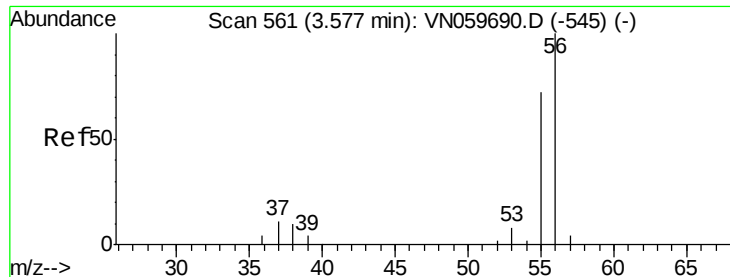


#12

1,1-Dichloroethene
Concen: 52.193 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	137.5	206.3
98	61.9	50.2	75.4





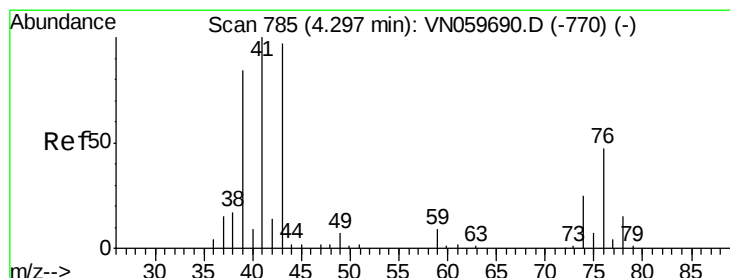
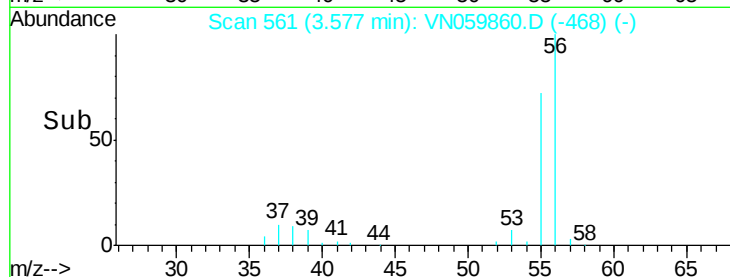
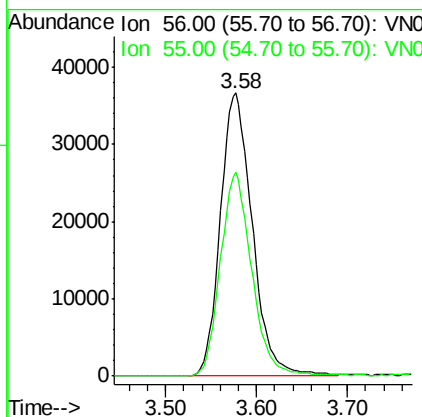
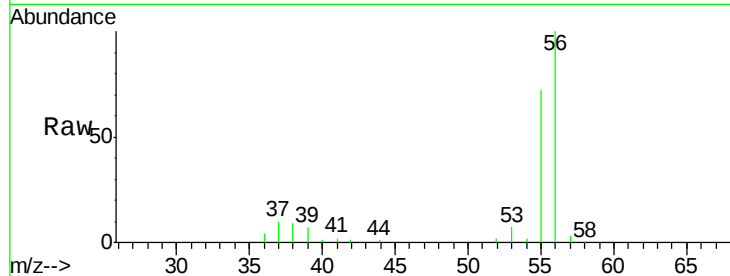
#13
Acrolein
Concen: 378.915 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 89662
Ion Ratio Lower Upper
56 100
55 70.2 58.6 88.0

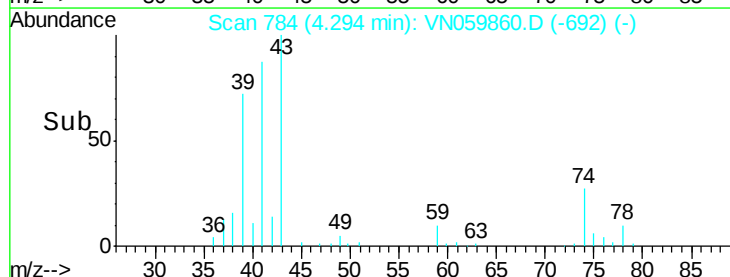
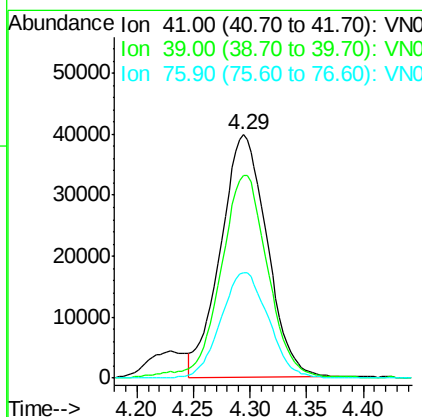
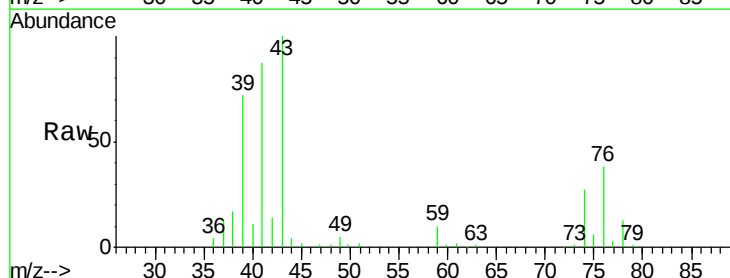
Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#14
Allyl chloride
Concen: 51.474 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion: 41 Resp: 113499
Ion Ratio Lower Upper
41 100
39 85.4 57.8 86.8
76 44.6 25.4 38.0#





#15

Acrylonitrile

Concen: 290.848 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

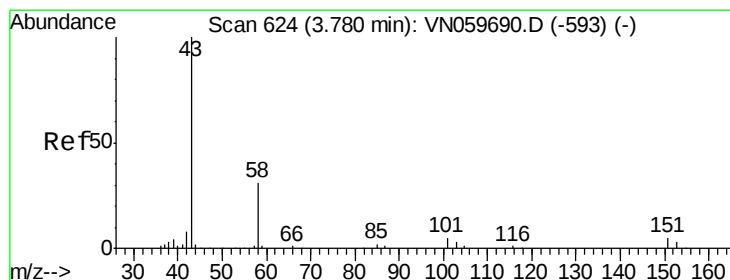
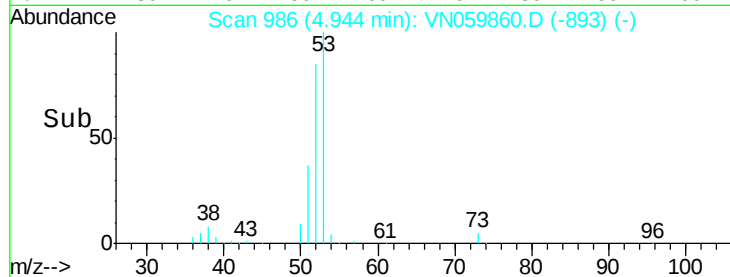
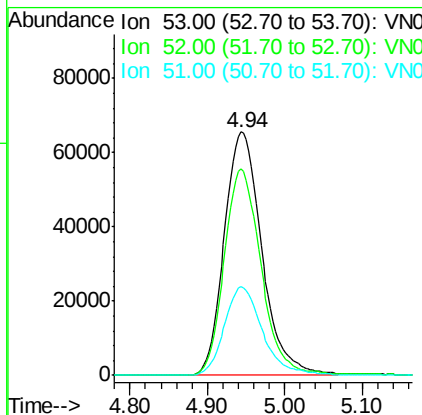
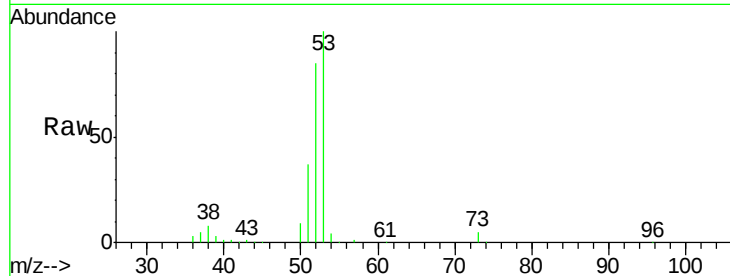
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	221776
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.3	99.5
51	36.9	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#16

Acetone

Concen: 295.275 ug/l

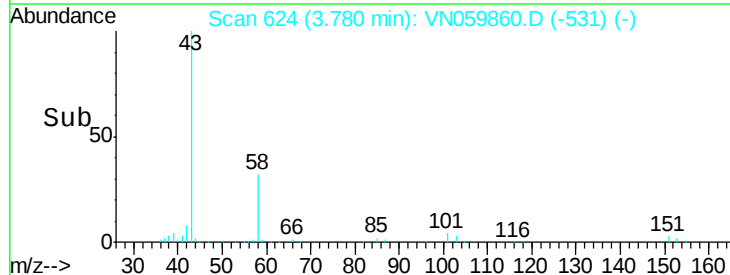
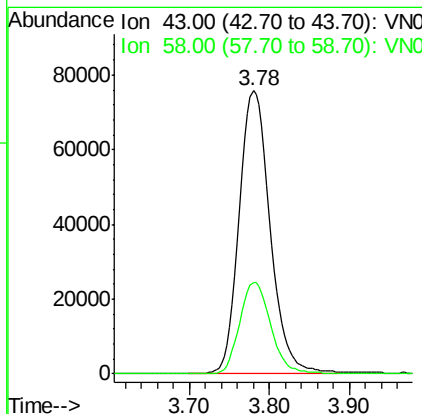
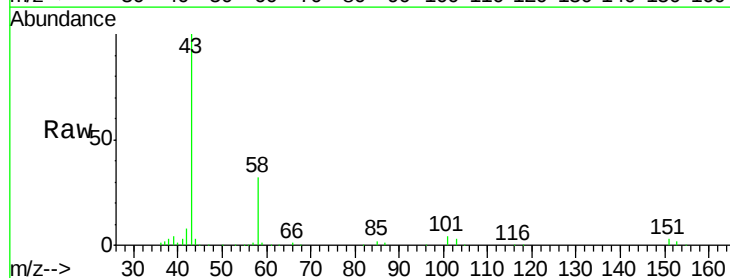
RT: 3.78 min Scan# 624

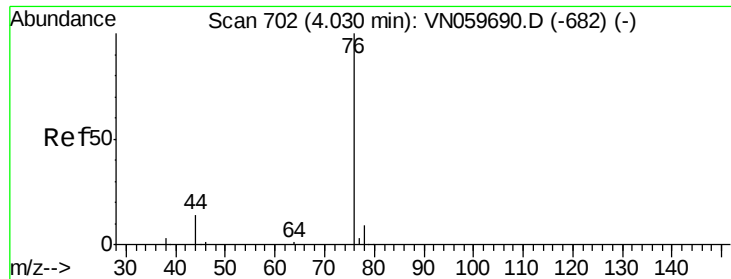
Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	43	Resp:	198749
Ion	Ratio	Lower	Upper
43	100		
58	32.3	23.6	35.4





#17

Carbon Disulfide

Concen: 46.366 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 216071

Ion Ratio Lower Upper

76 100

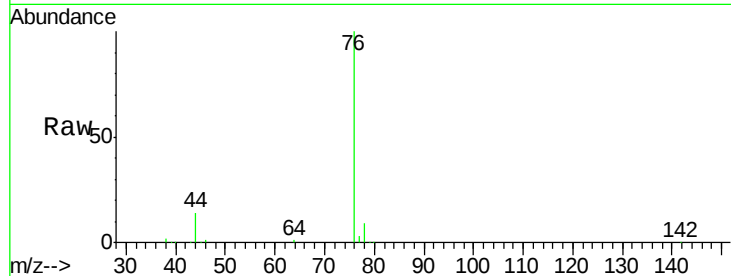
78 8.6 7.4 11.0

Manual Integrations

APPROVED

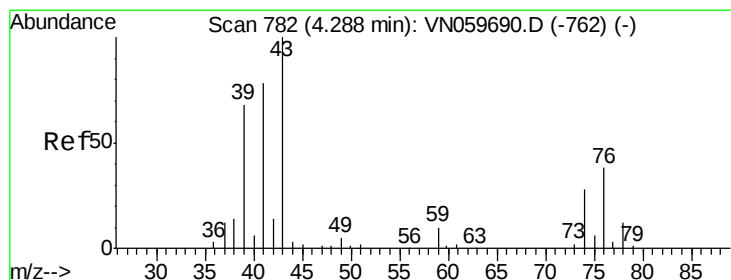
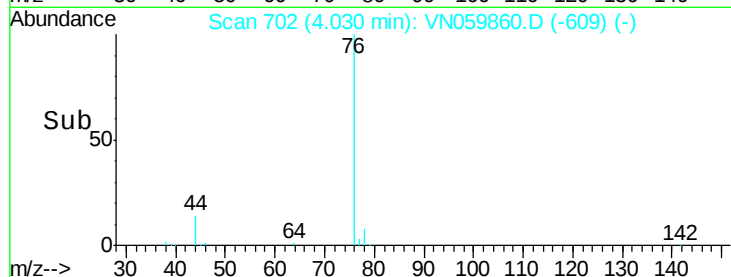
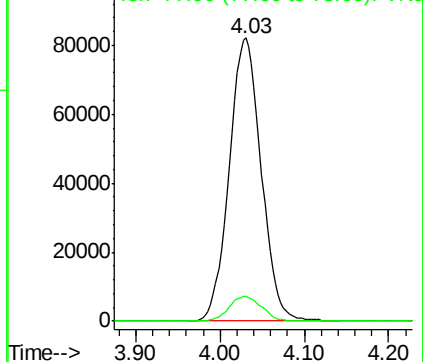
MMDadoda

1/27/2020 11:16:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 61.501 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059860.D

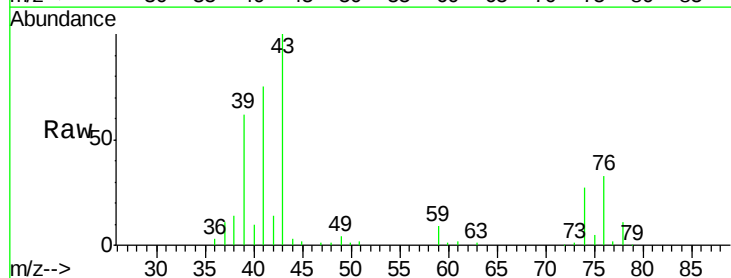
Acq: 24 Jan 2020 20:58

Tgt Ion: 43 Resp: 142646

Ion Ratio Lower Upper

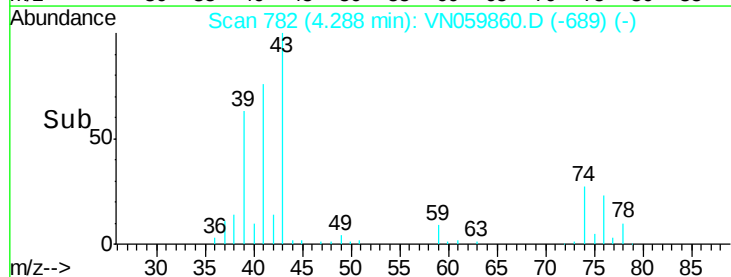
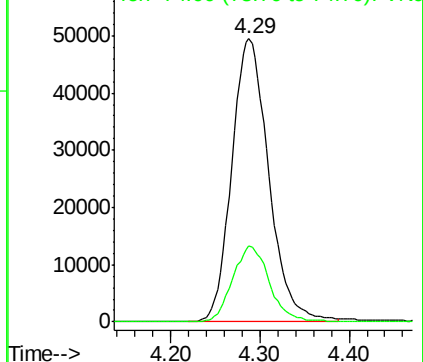
43 100

74 26.5 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





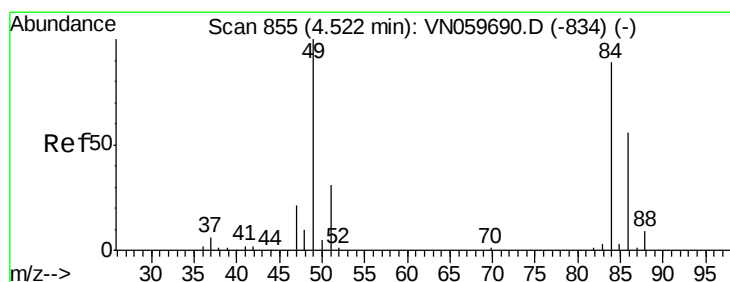
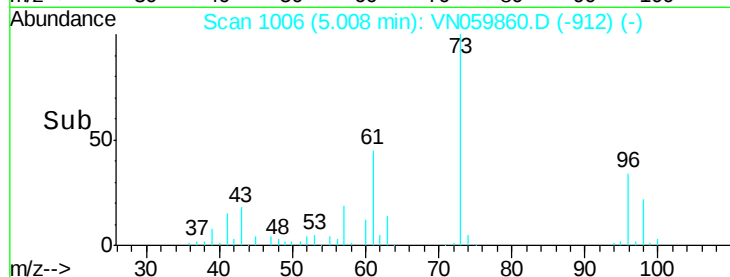
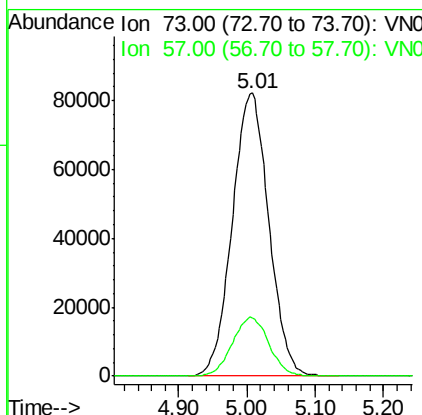
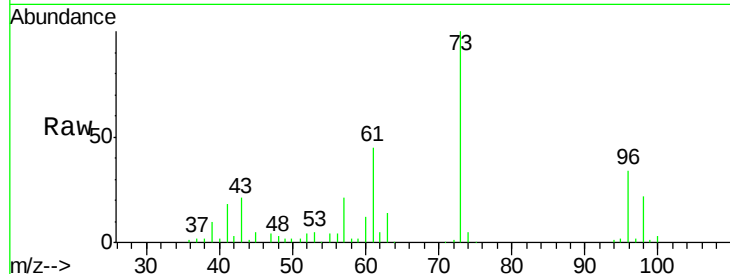
#19
Methvl tert-butvl Ether
Concen: 57.215 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 305167
Ion Ratio Lower Upper
73 100
57 20.6 18.6 27.8

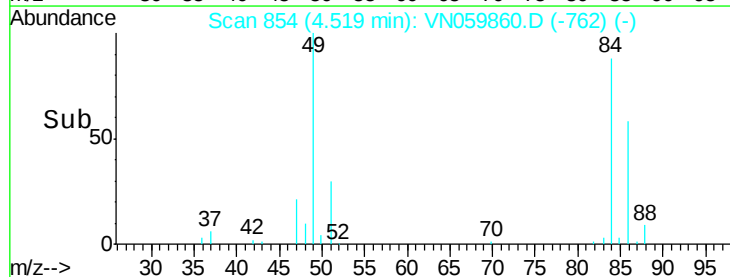
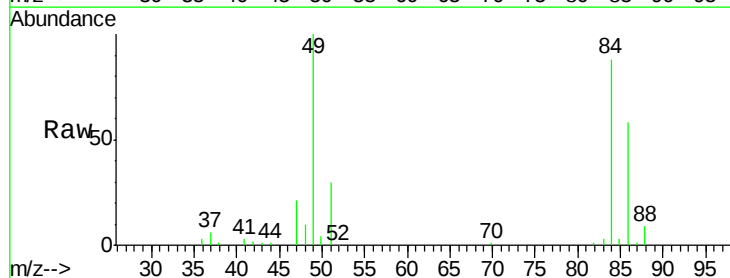
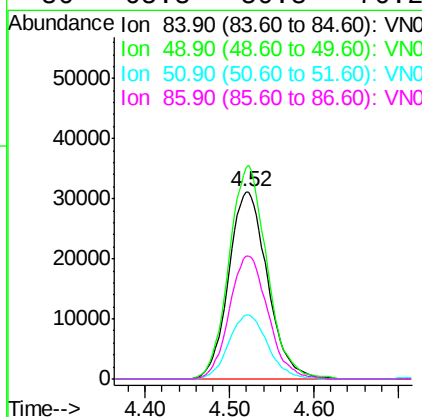
Manual Integrations
APPROVED

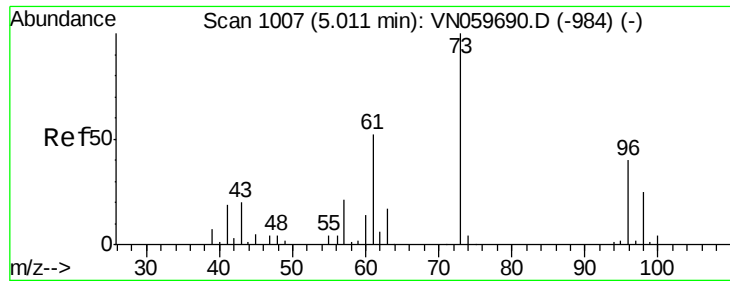
MMDadoda
1/27/2020 11:16:08 AM



#20
Methylene Chloride
Concen: 55.631 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion: 84 Resp: 99679
Ion Ratio Lower Upper
84 100
49 113.1 106.6 160.0
51 34.1 31.9 47.9
86 65.8 50.8 76.2





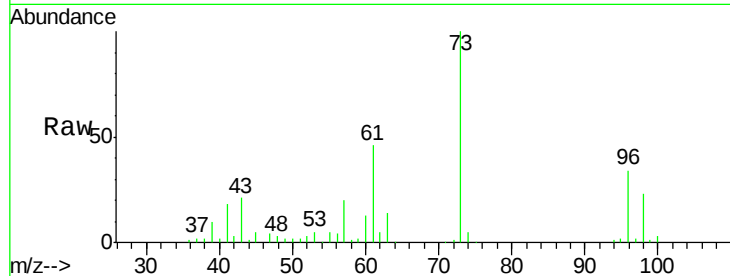
#21
trans-1,2-Dichloroethene
Concen: 51.934 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	120.4	180.6
98	65.3	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM

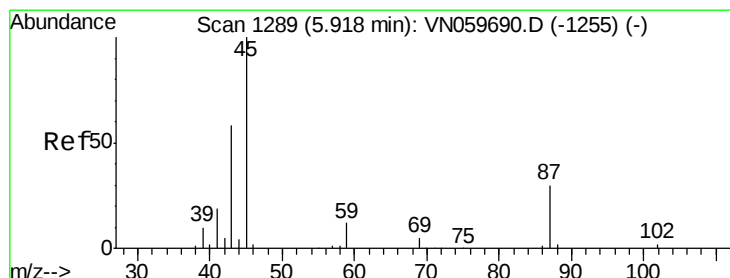
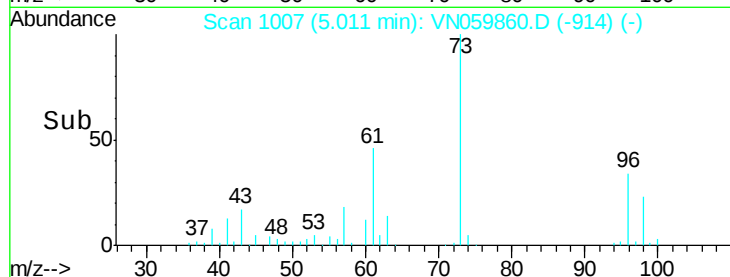
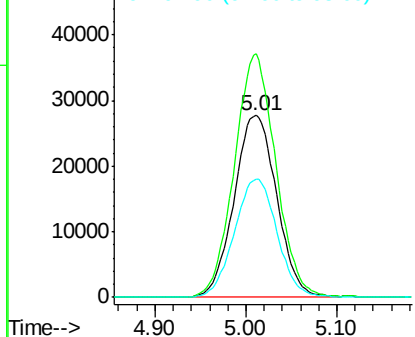


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 54.446 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	50.8	76.2
87	32.5	21.0	31.6#
59	12.4	9.1	13.7

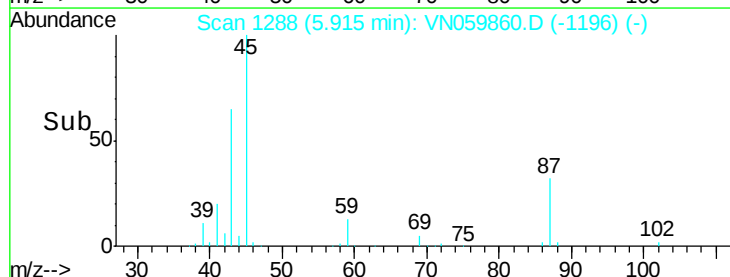
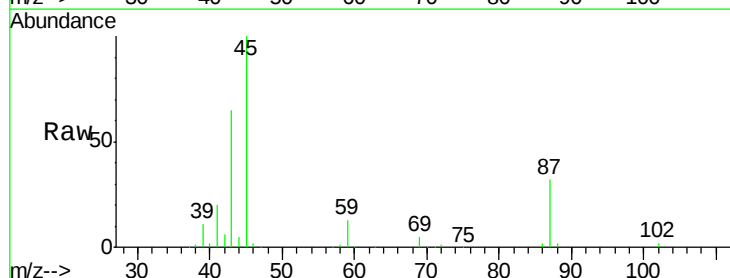
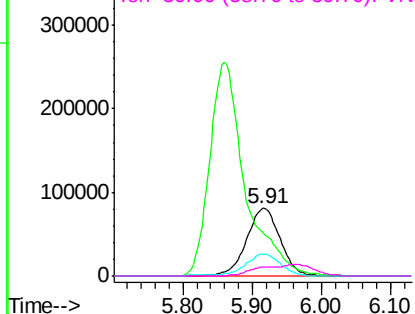
Abundance

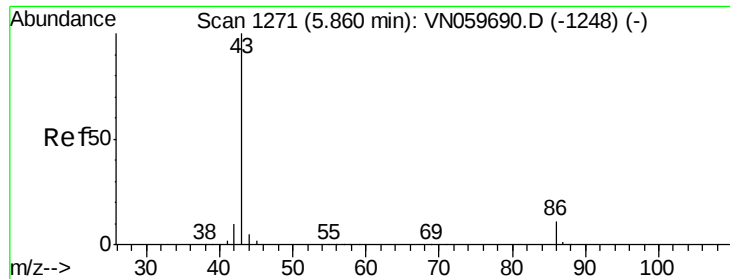
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





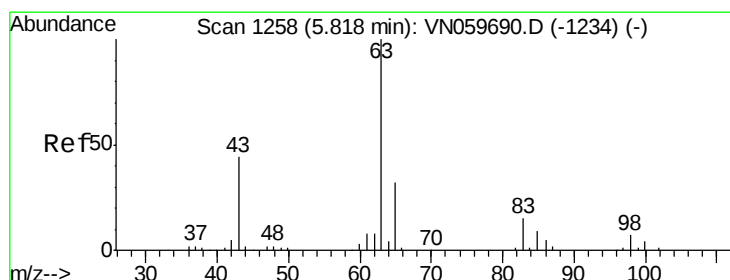
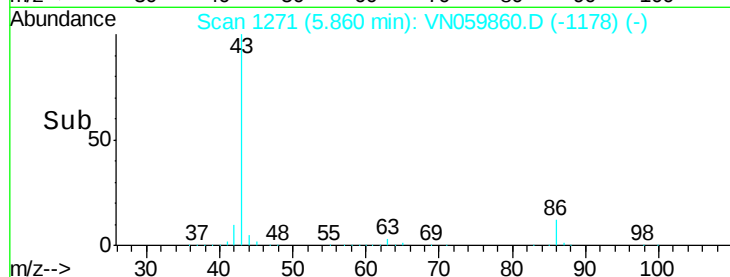
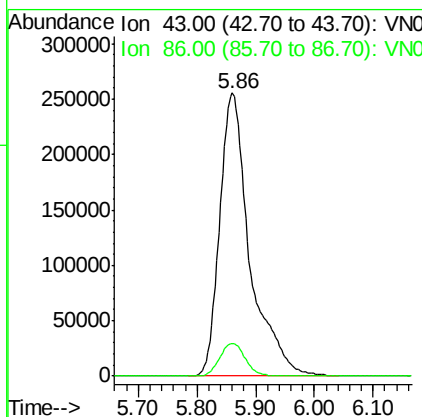
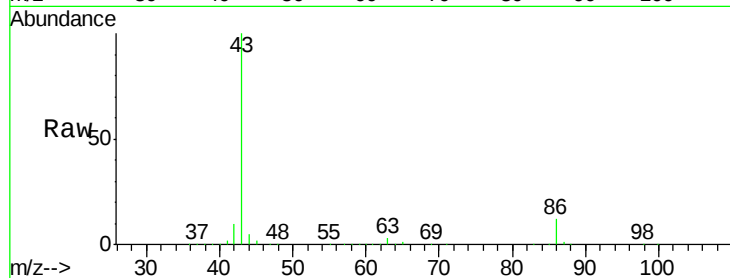
#23
 Vinyl Acetate
 Concen: 234.900 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	43	Resp	908779
Ion Ratio	100	Lower	Upper
43	100		
86	11.5	7.6	11.4#

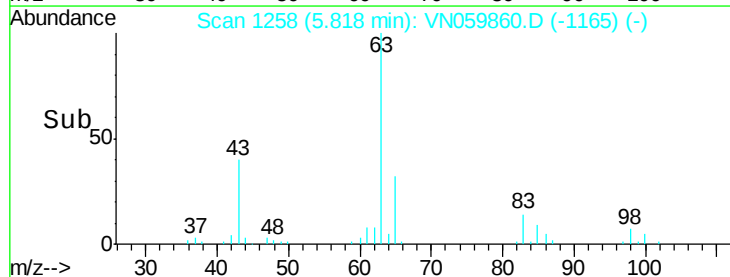
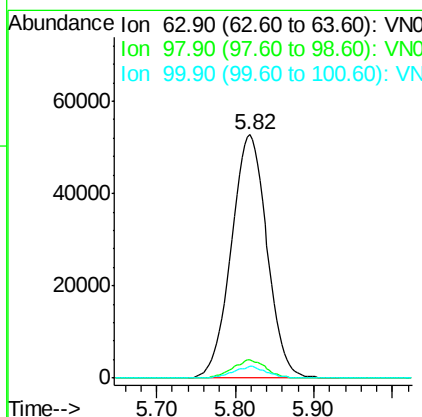
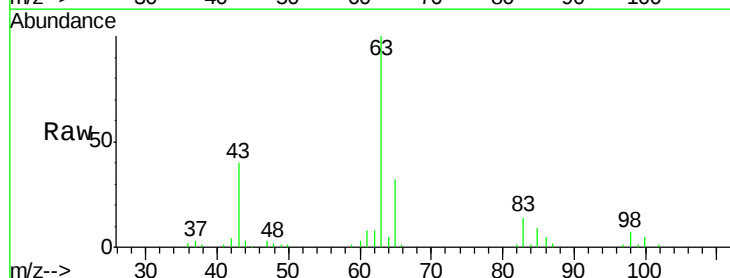
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#24
 1,1-Dichloroethane
 Concen: 54.668 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	63	Resp	166914
Ion Ratio	100	Lower	Upper
63	100		
98	7.4	2.9	8.7
100	4.7	2.0	6.0





#25

2-Butanone

Concen: 257.901 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 290003

Ion Ratio Lower Upper

43 100

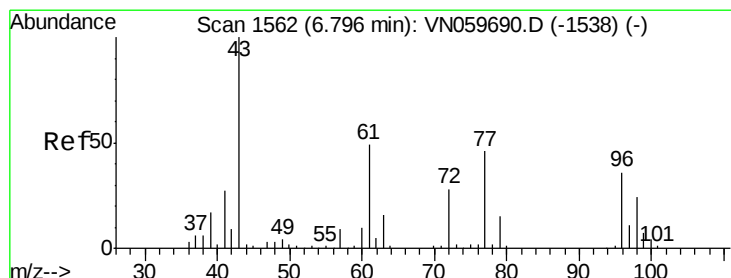
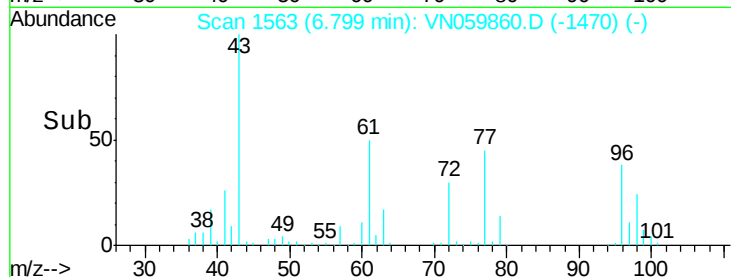
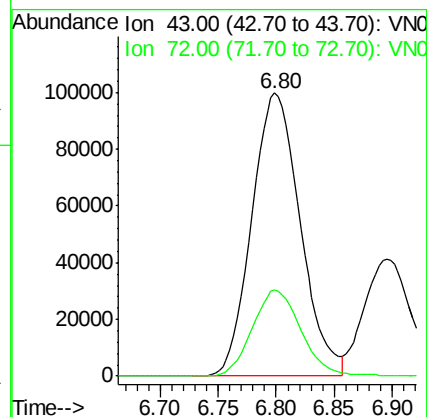
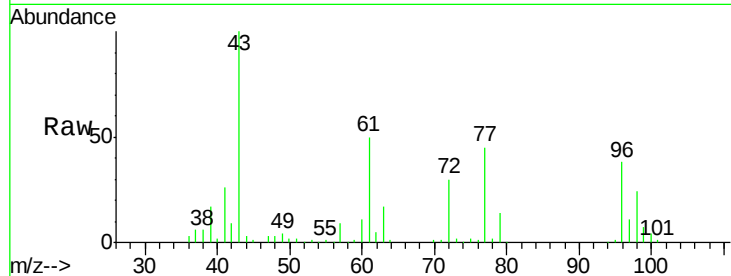
72 30.4 19.9 29.9#

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



#26

2,2-Dichloropropane

Concen: 49.333 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059860.D

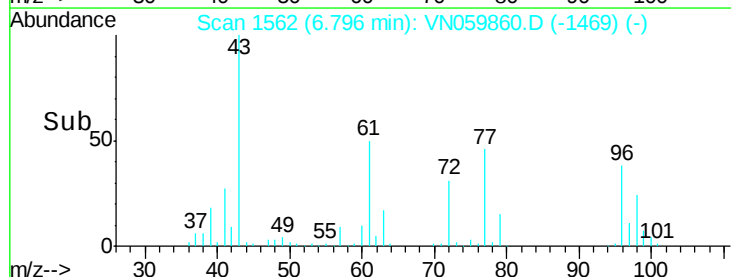
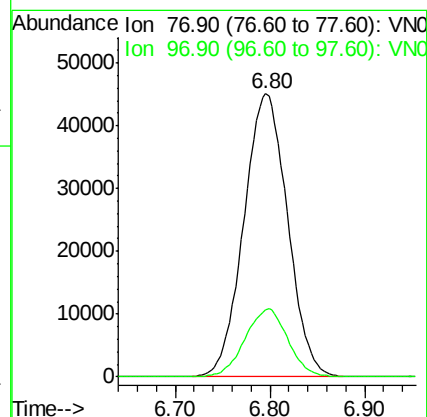
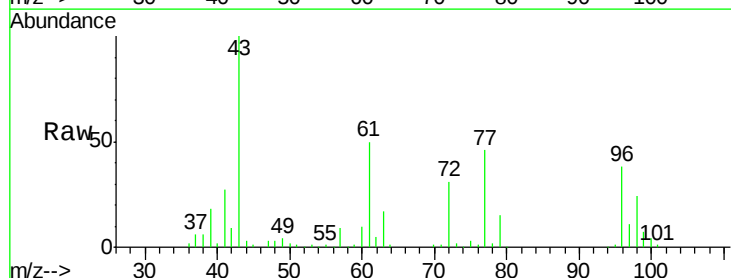
Acq: 24 Jan 2020 20:58

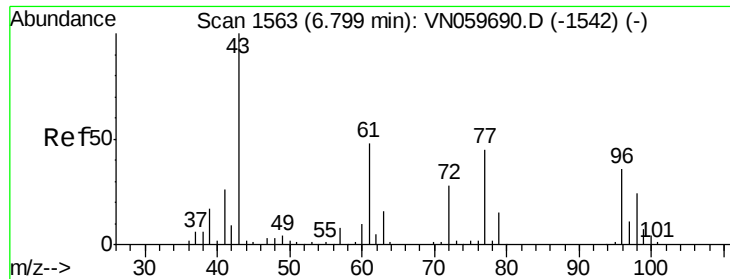
Tgt Ion: 77 Resp: 144806

Ion Ratio Lower Upper

77 100

97 23.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 55.357 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

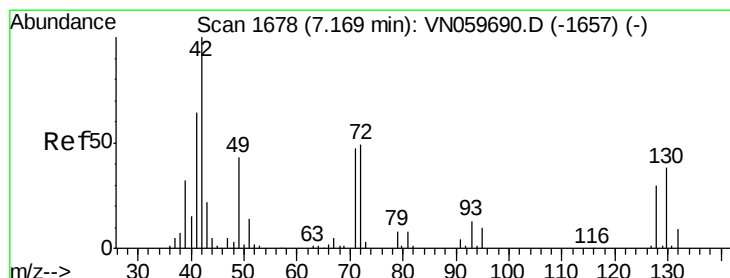
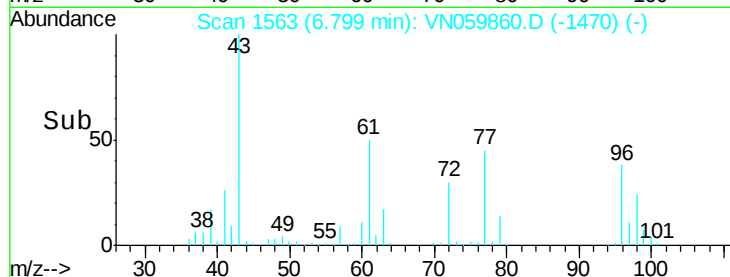
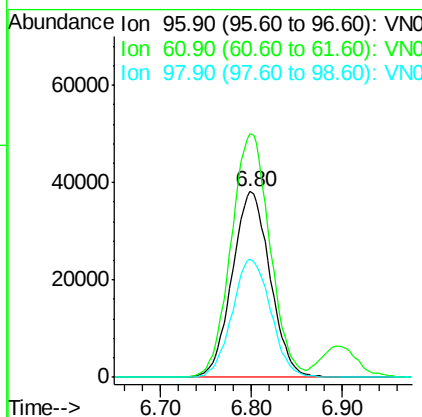
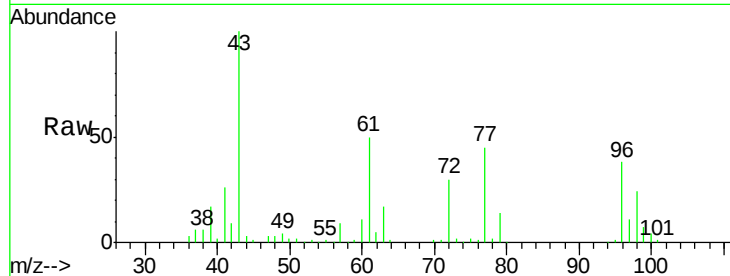
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	110717
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	317.6
98	64.4	0.0	127.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#28

Bromochloromethane

Concen: 50.777 ug/l

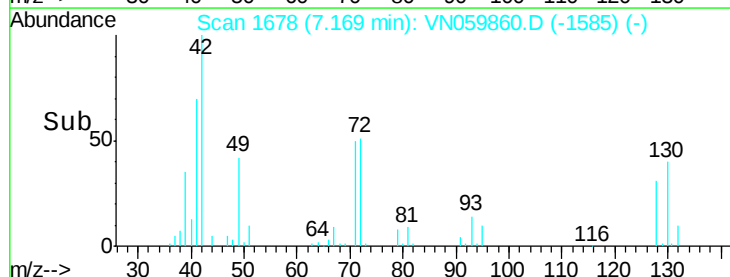
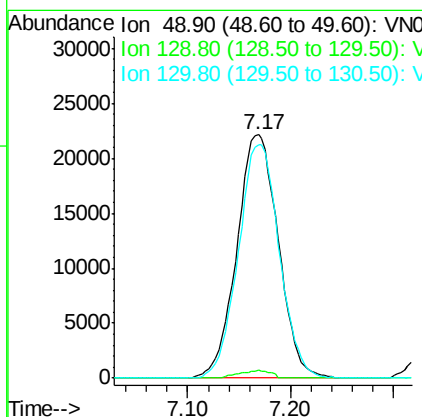
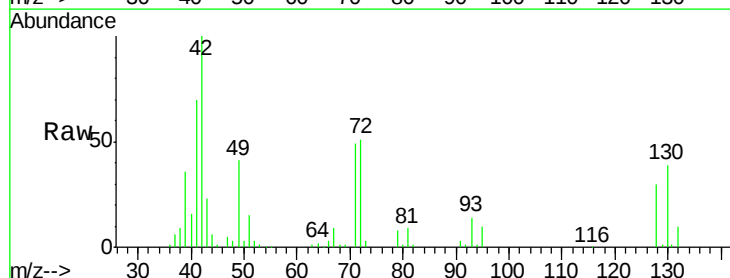
RT: 7.17 min Scan# 1678

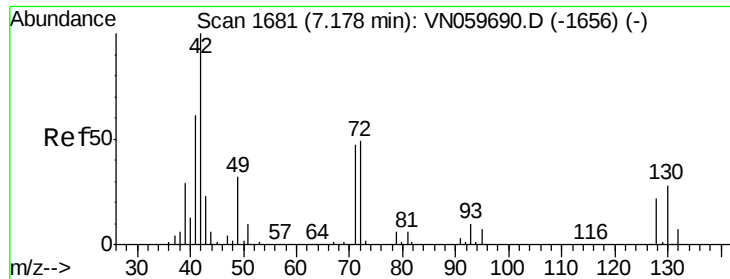
Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	49	Resp:	61964
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.4
130	94.6	54.7	82.1#





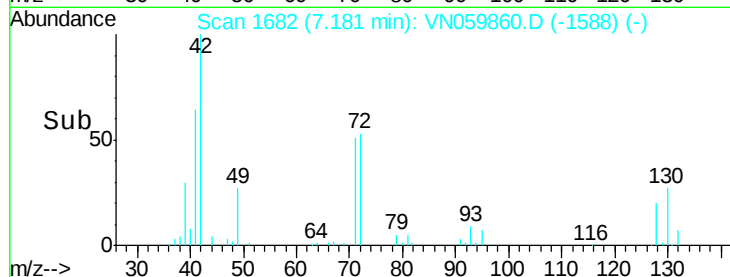
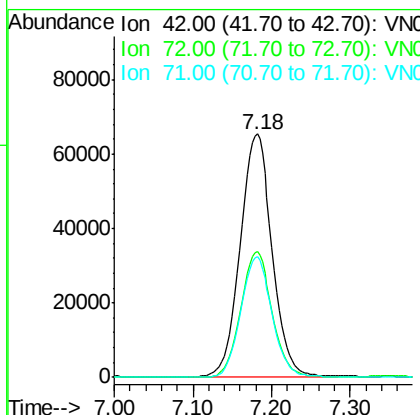
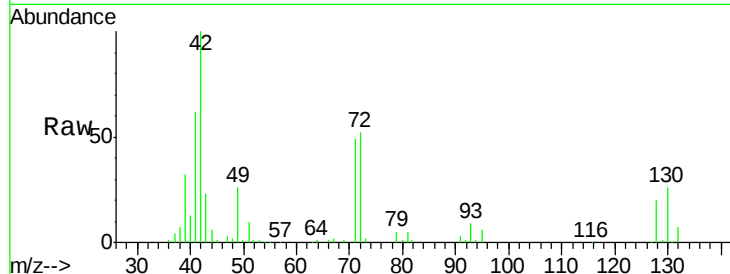
#29
Tetrahydrofuran
Concen: 268.986 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.6	33.1	49.7#
71	48.3	31.4	47.0#

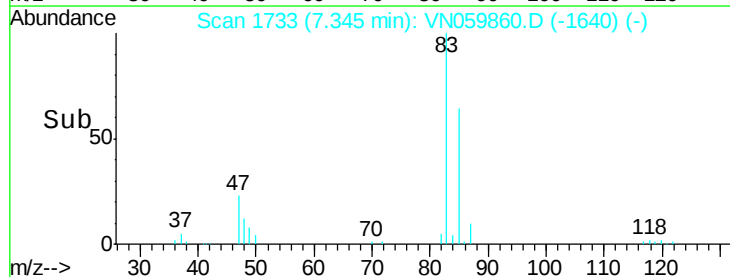
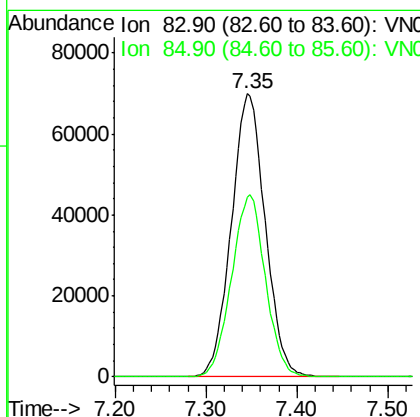
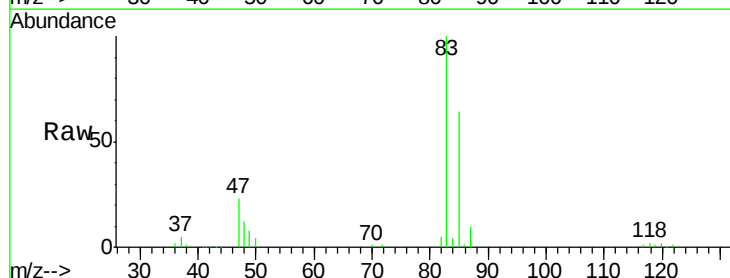
Manual Integrations
APPROVED

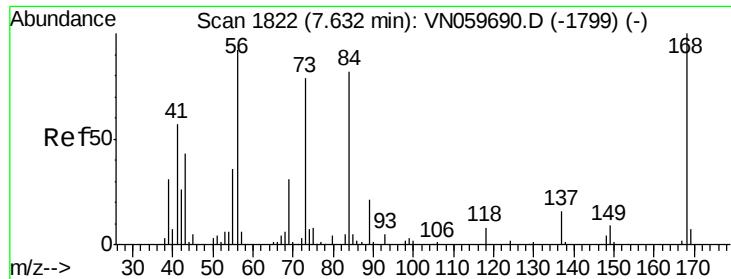
MMDadoda
1/27/2020 11:16:08 AM



#30
Chloroform
Concen: 57.156 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





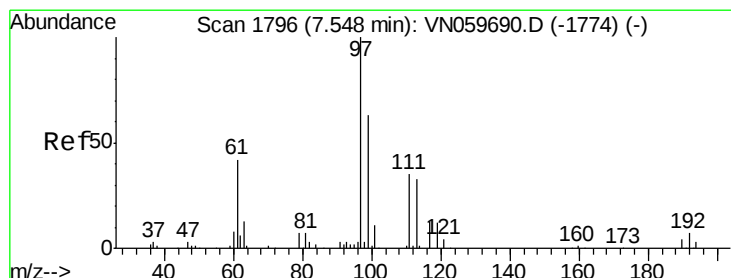
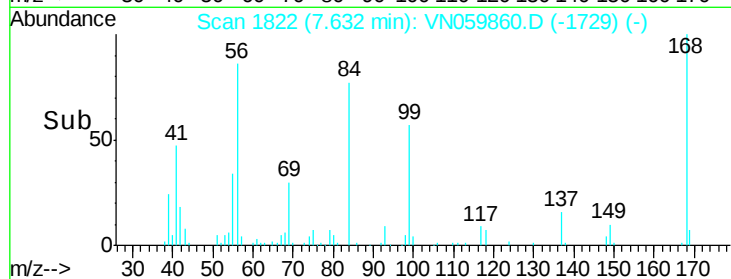
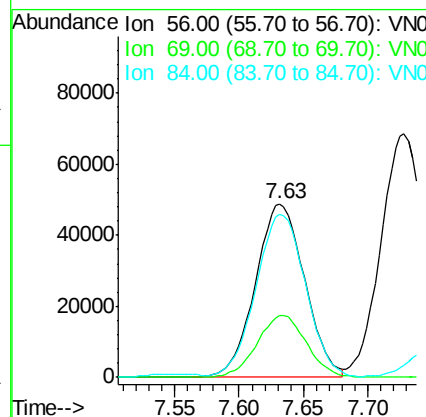
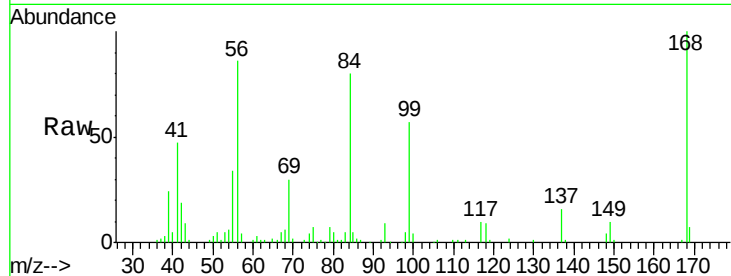
#31
Cyclohexane
Concen: 44.197 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.5	39.7
84	92.1	65.3	97.9

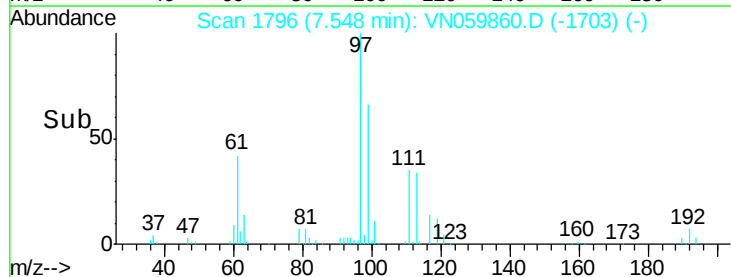
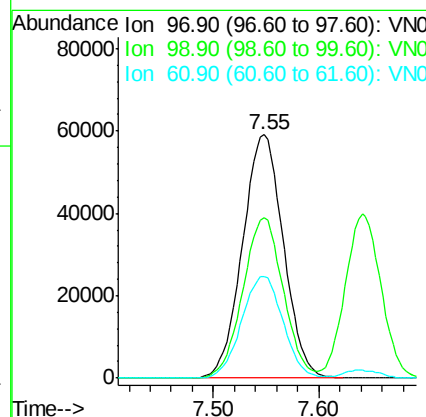
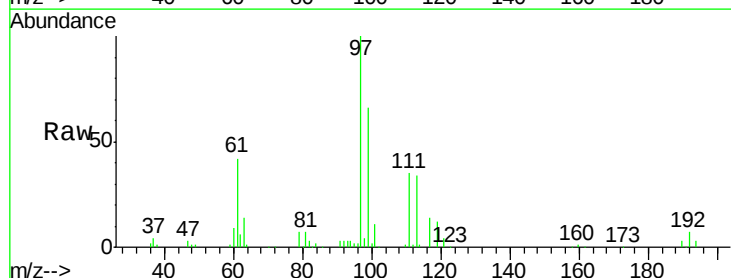
Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#32
1,1,1-Trichloroethane
Concen: 54.447 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	42.4	38.5	57.7





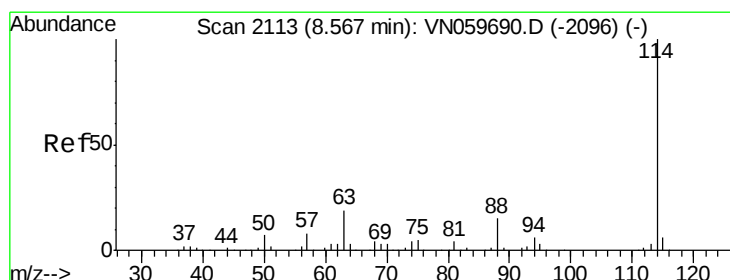
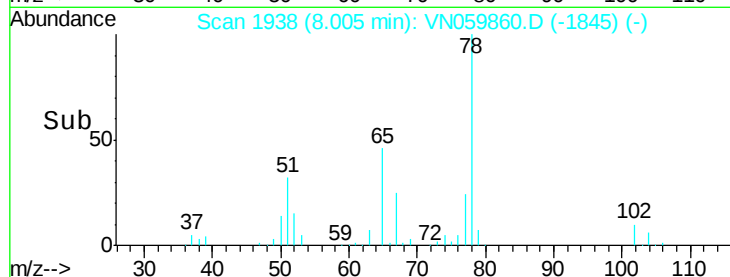
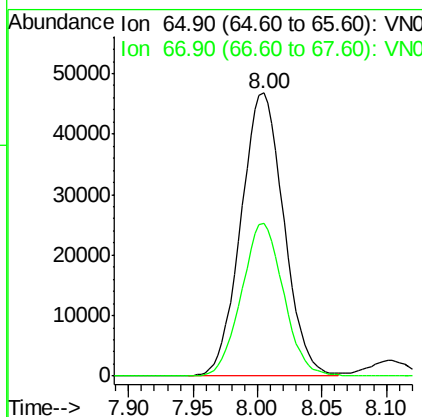
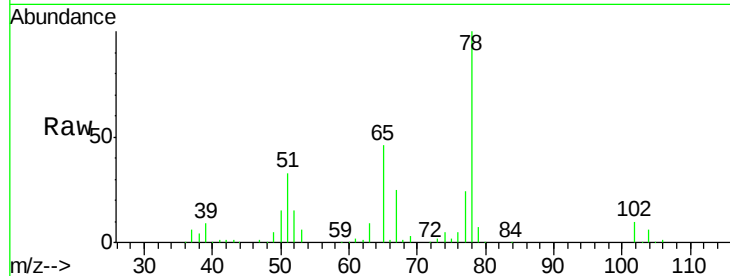
#33
 1,2-Dichloroethane-d4
 Concen: 54.676 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7		0.0	103.0

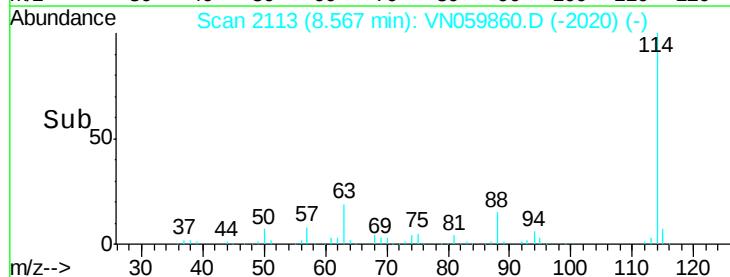
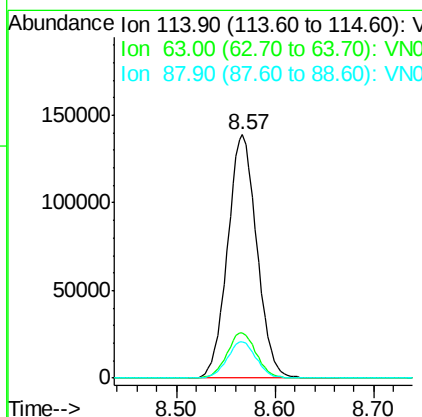
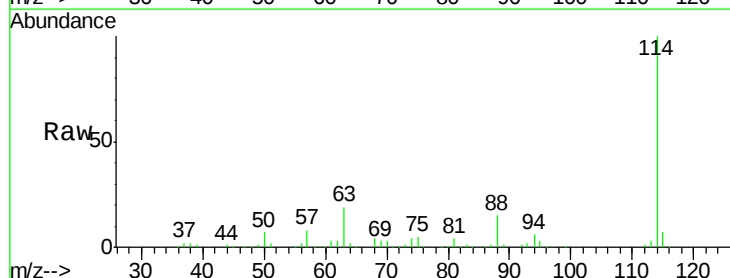
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7		0.0	43.6
88	14.9		0.0	31.4





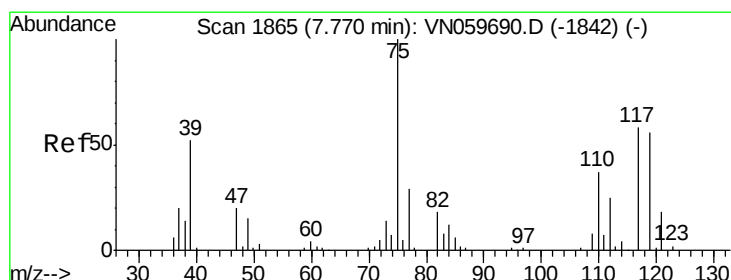
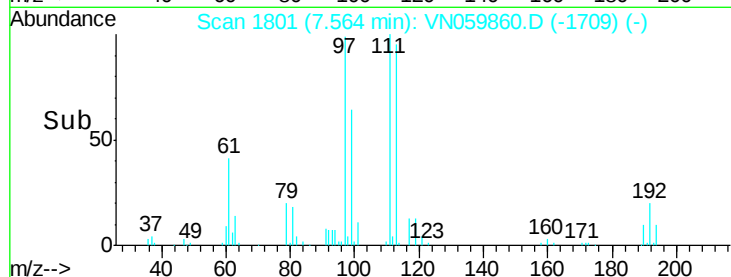
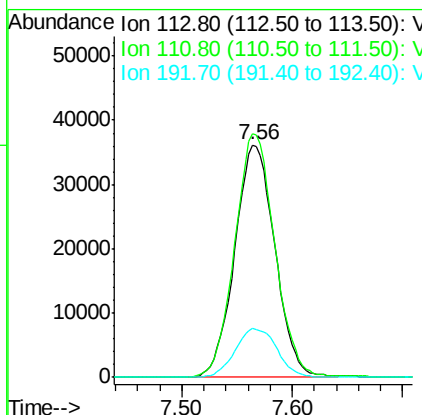
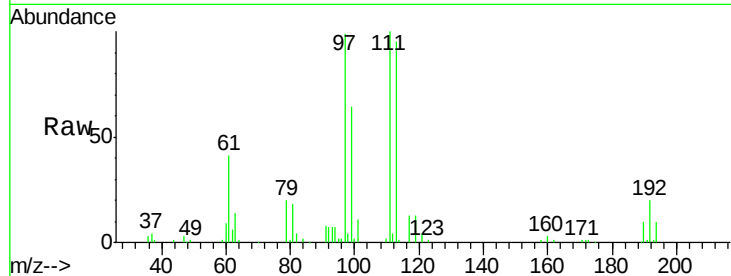
#35
 Dibromofluoromethane
 Concen: 53.322 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.5	125.3
192	21.6	15.4	23.2

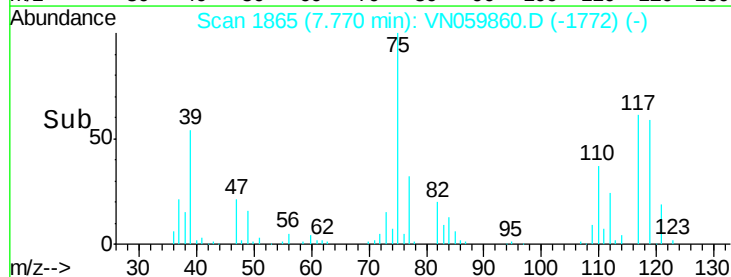
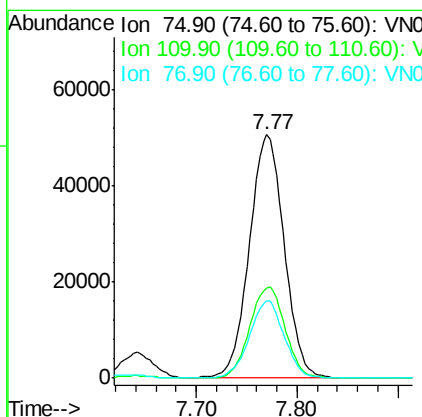
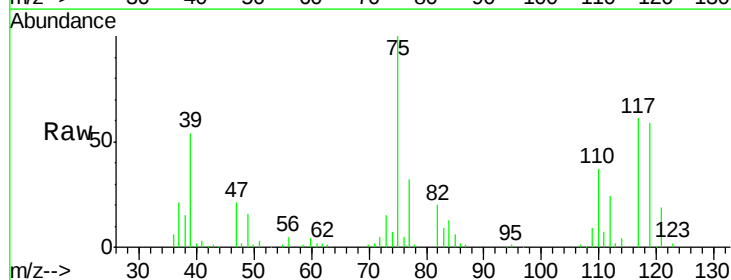
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#36
 1,1-Dichloropropene
 Concen: 48.545 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	16.6	49.7
77	31.7	25.1	37.7





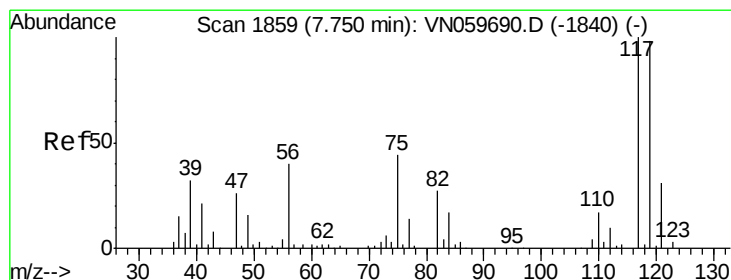
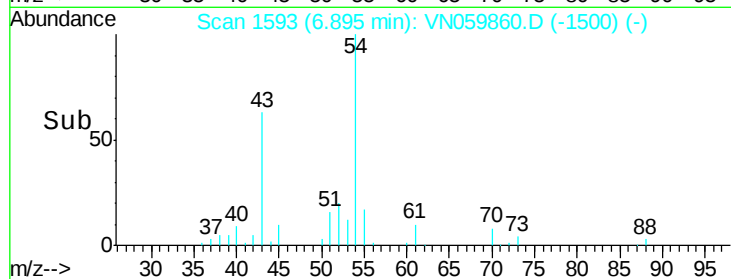
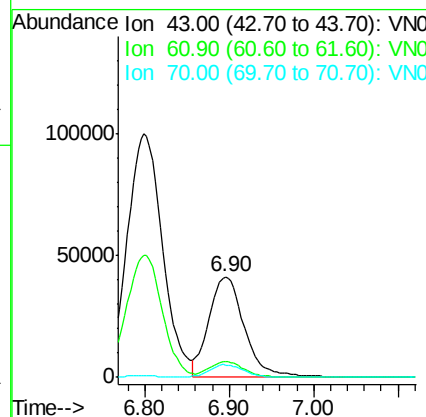
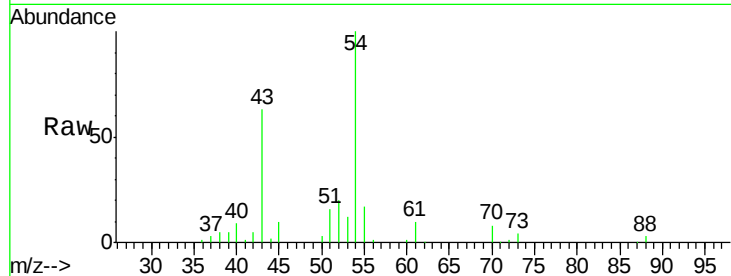
#37
Ethyl Acetate
Concen: 50.948 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	10.9	16.3
70	11.8	7.7	11.5

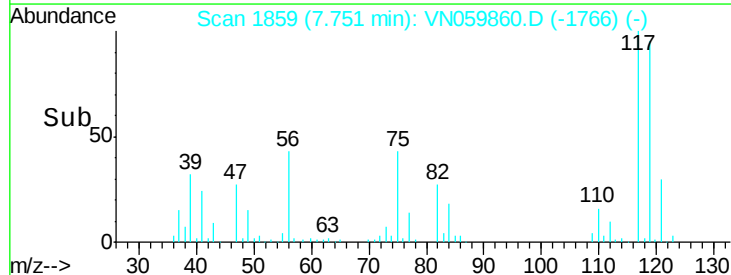
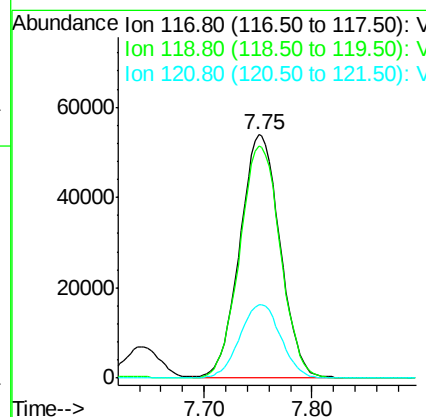
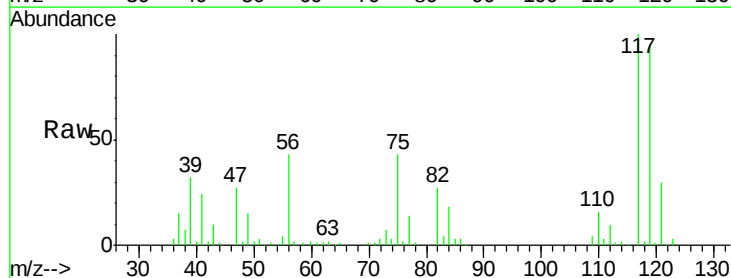
Manual Integrations
APPROVED

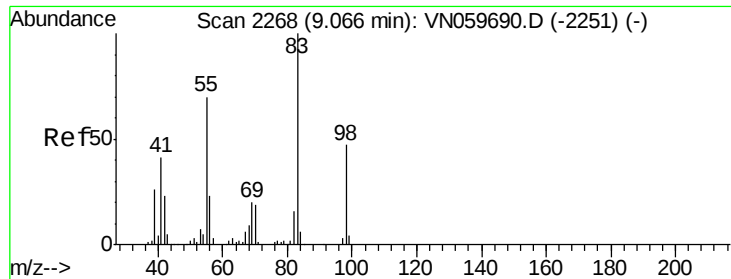
MMDadoda
1/27/2020 11:16:08 AM



#38
Carbon Tetrachloride
Concen: 51.433 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.5	114.7
121	30.0	25.1	37.7





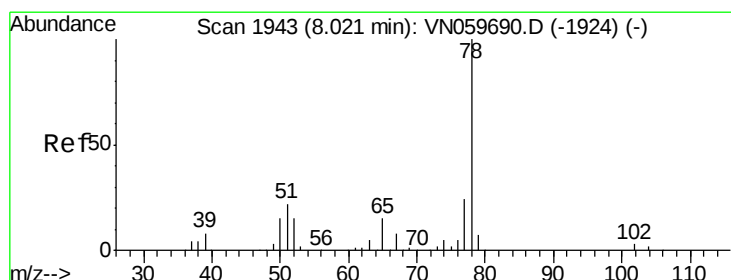
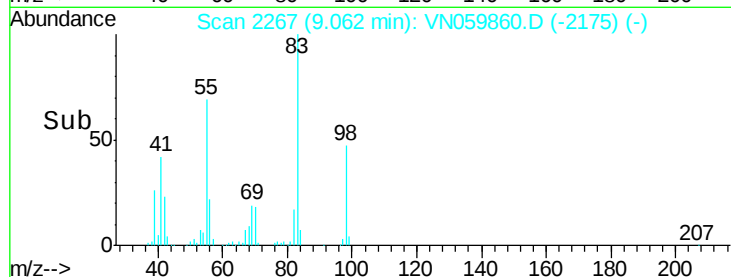
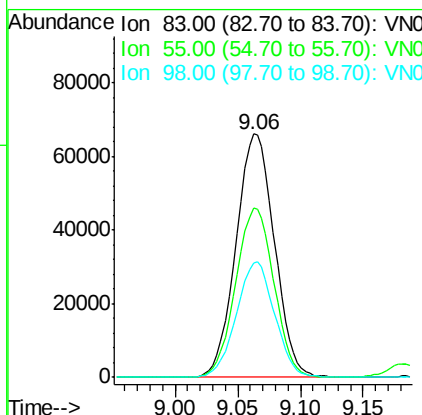
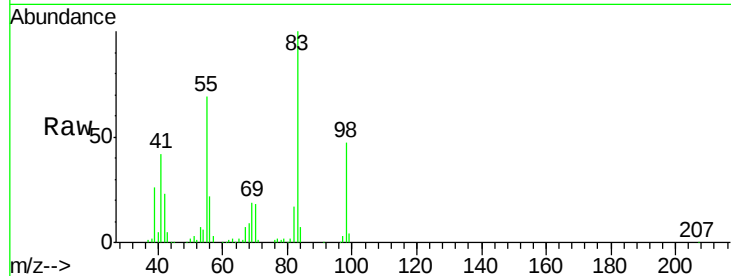
#39
Methvlcvclohexane
Concen: 45.748 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

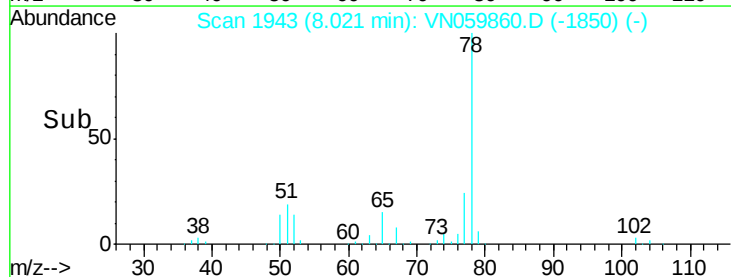
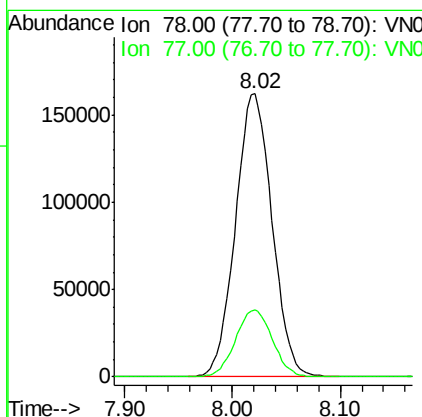
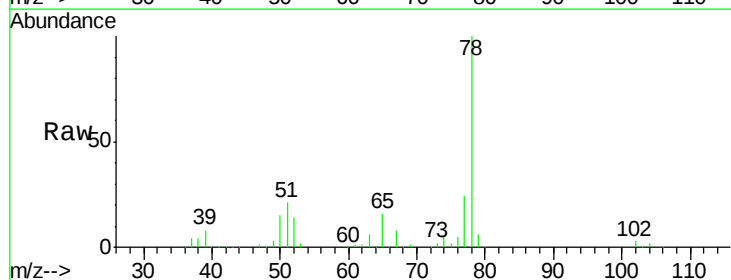
Manual Integrations
APPROVED

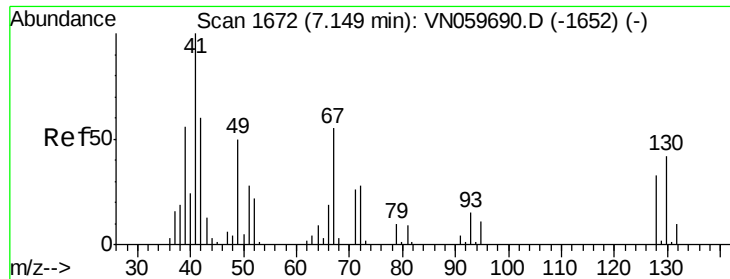
MMDadoda
1/27/2020 11:16:08 AM



#40
Benzene
Concen: 51.399 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





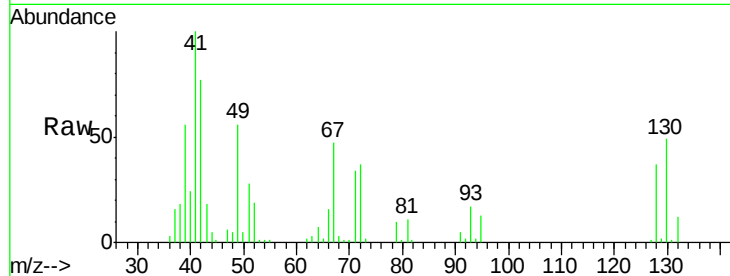
#41
Methacrylonitrile
Concen: 52.730 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	155.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM

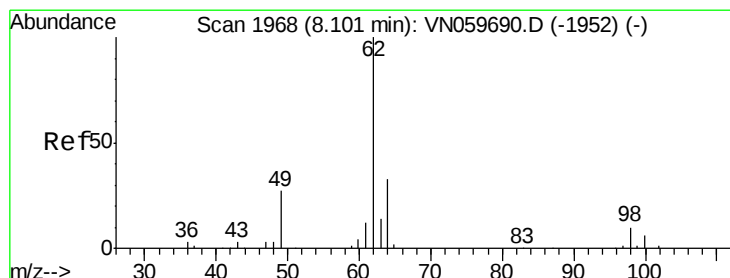
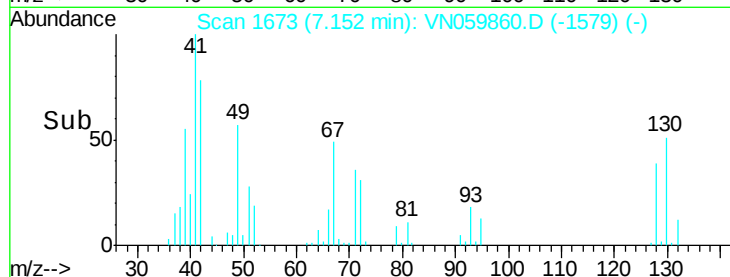
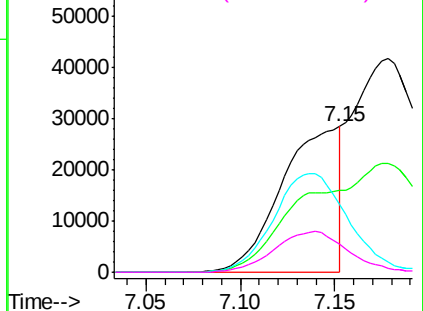


Abundance Ion 41.00 (40.70 to 41.70): VN059860.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN059860.D (-1652) (-)

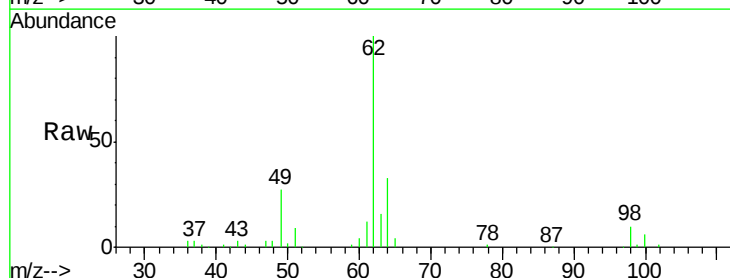
Ion 67.00 (66.70 to 67.70): VN059860.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN059860.D (-1652) (-)



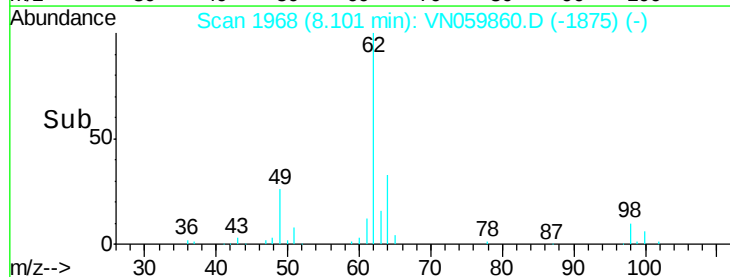
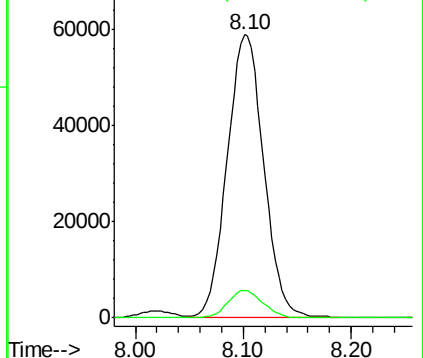
#42
1,2-Dichloroethane
Concen: 55.094 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

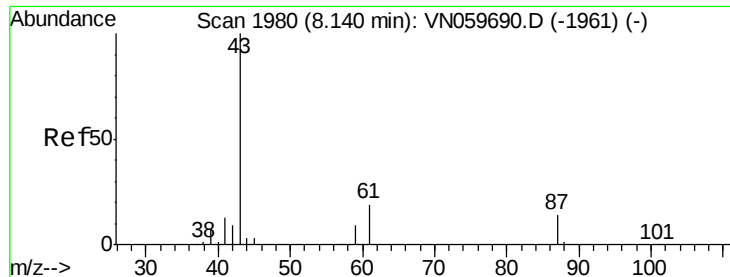
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059860.D (-1952) (-)

Ion 97.90 (97.60 to 98.60): VN059860.D (-1952) (-)





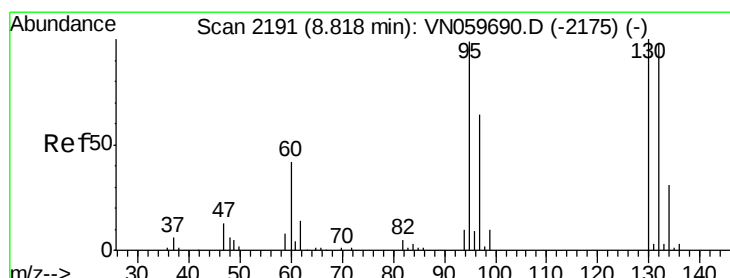
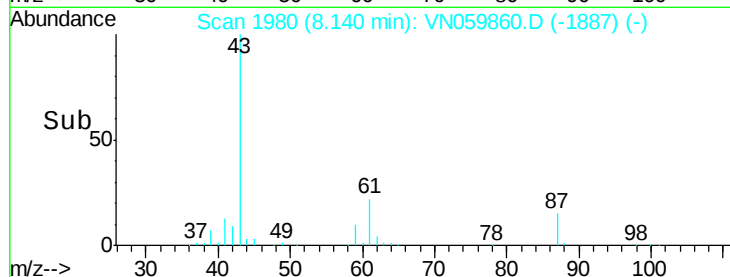
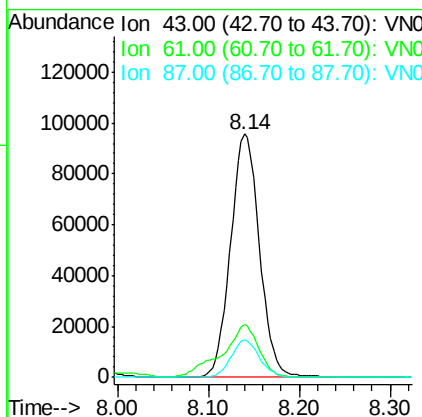
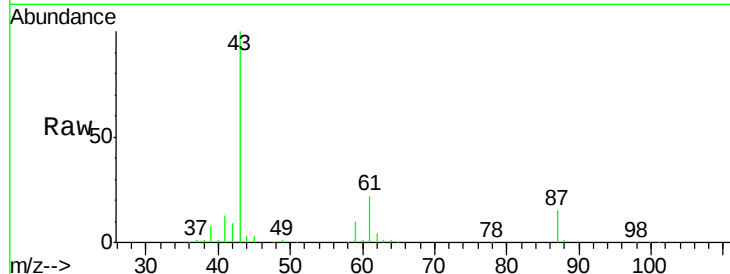
#43
Isopropyl Acetate
Concen: 52.357 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	15.1	9.5	14.3

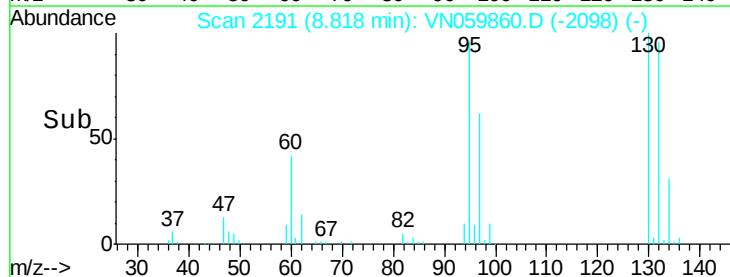
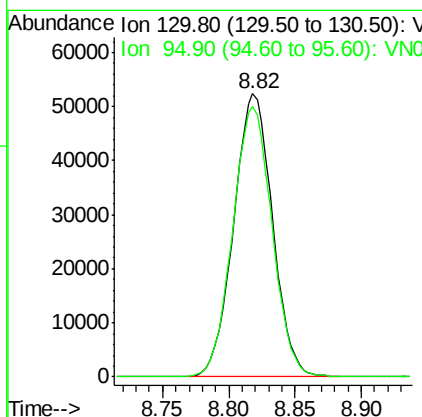
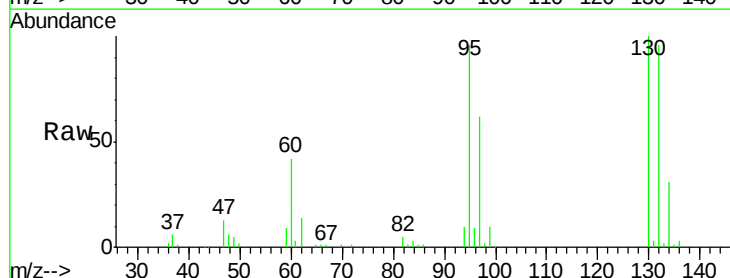
Manual Integrations
APPROVED

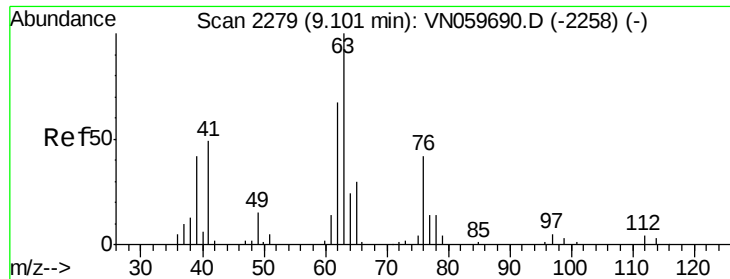
MMDadoda
1/27/2020 11:16:08 AM



#44
Trichloroethene
Concen: 52.329 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.7	0.0	207.0





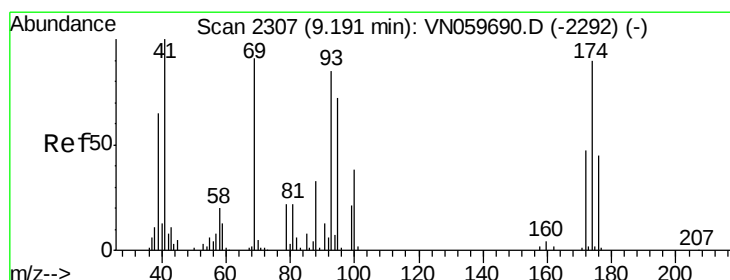
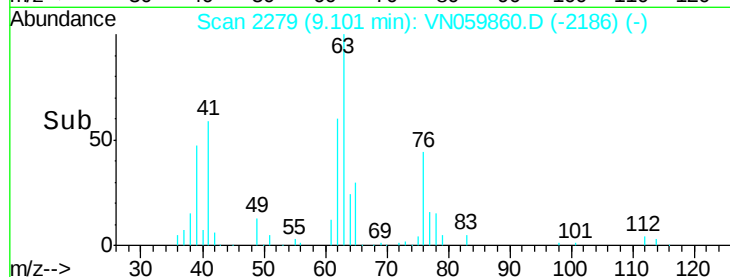
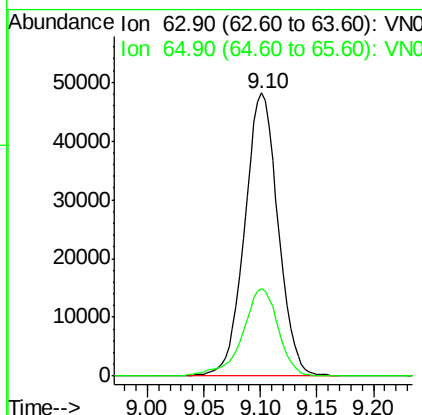
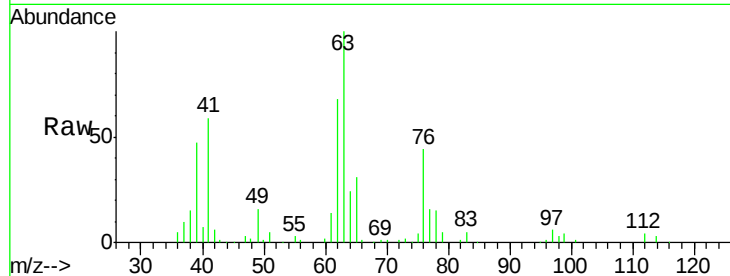
#45
 1,2-Dichloropropane
 Concen: 53.671 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 98993
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.9 37.3

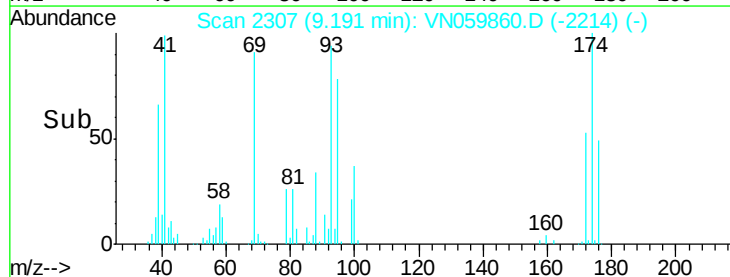
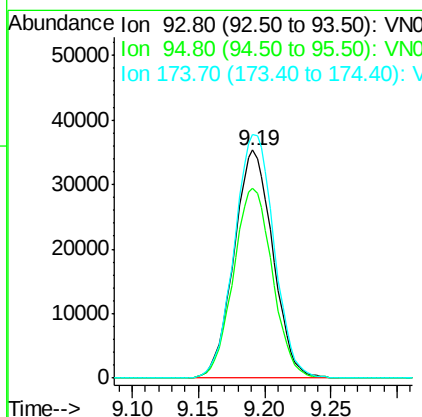
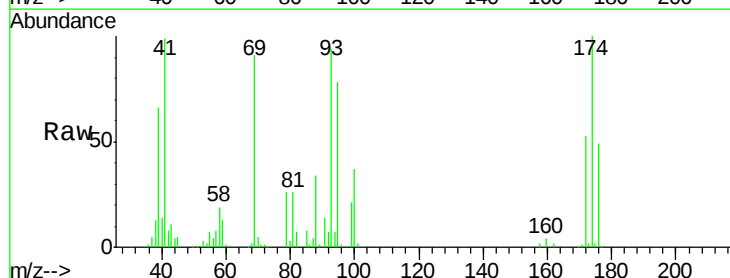
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#46
 Dibromomethane
 Concen: 55.373 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion: 93 Resp: 72044
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.0 100.6
 174 108.9 73.4 110.2





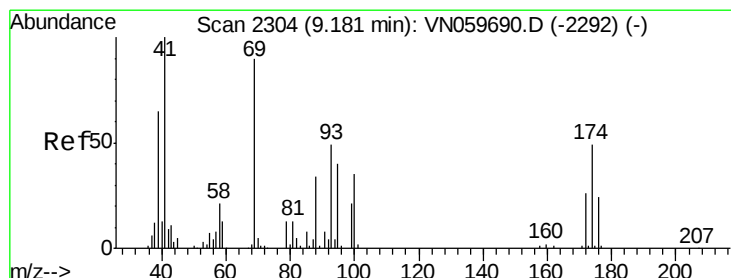
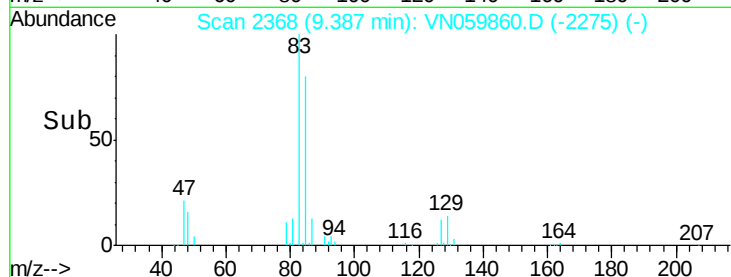
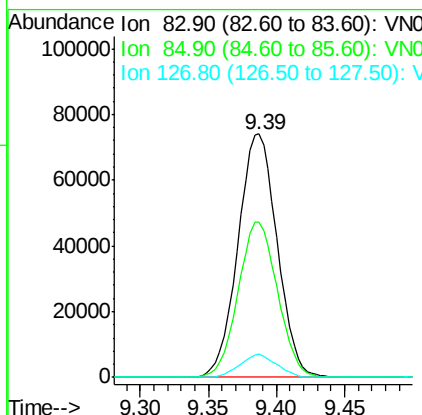
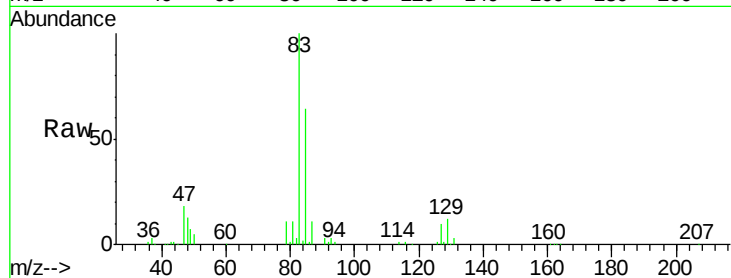
#47
Bromodichloromethane
Concen: 56.262 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.1	76.7
127	9.5	6.6	9.8

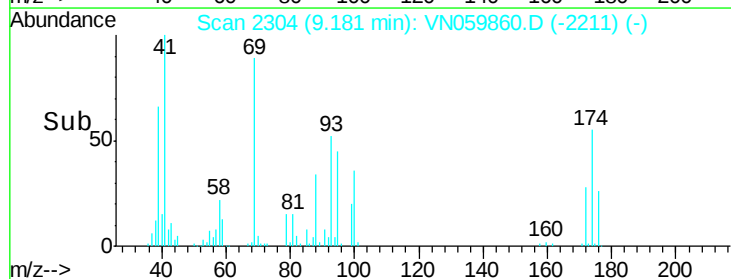
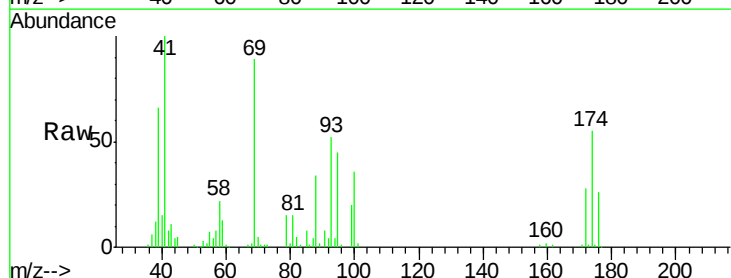
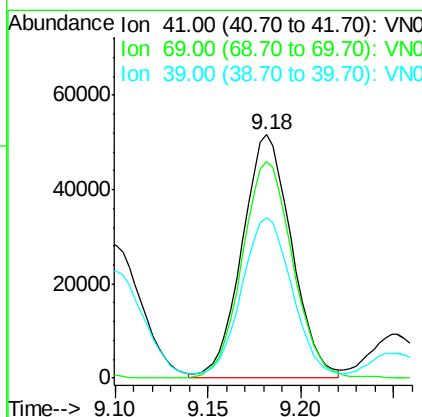
Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#48
Methyl methacrylate
Concen: 52.936 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	64.4	96.6
39	67.9	51.3	76.9





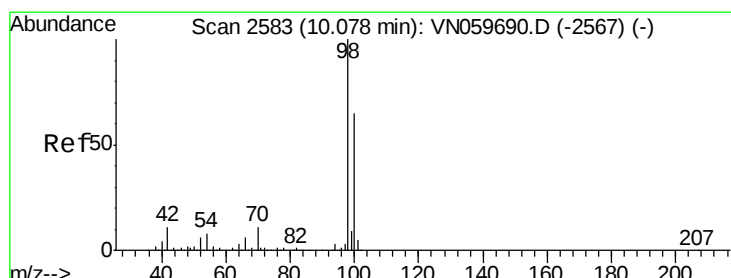
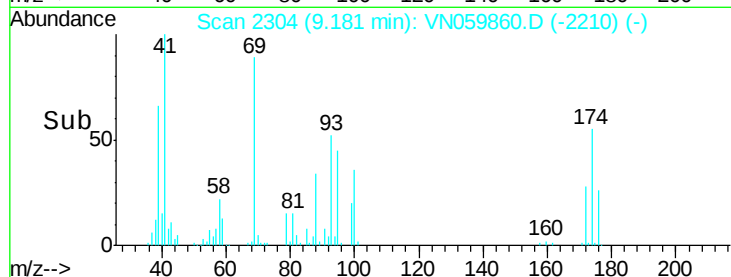
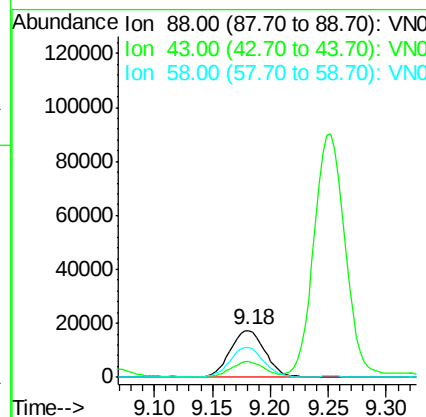
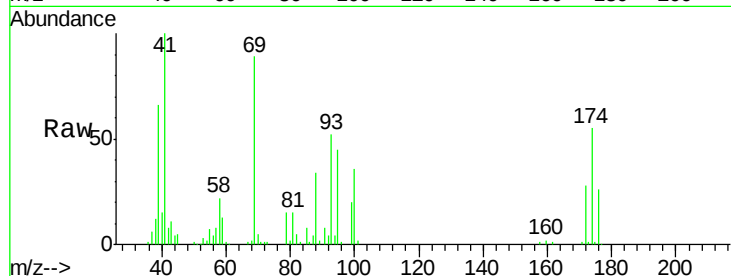
#49
1,4-Dioxane
Concen: 1105.826 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	29.7	44.5
58	62.1	56.6	85.0

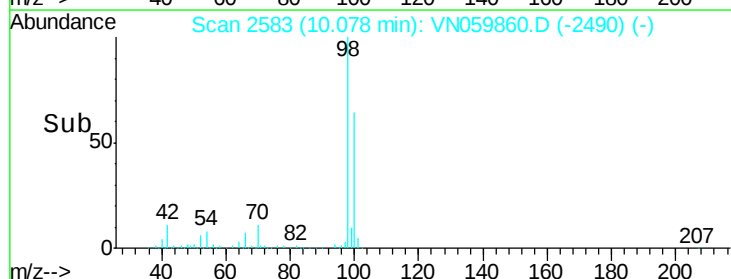
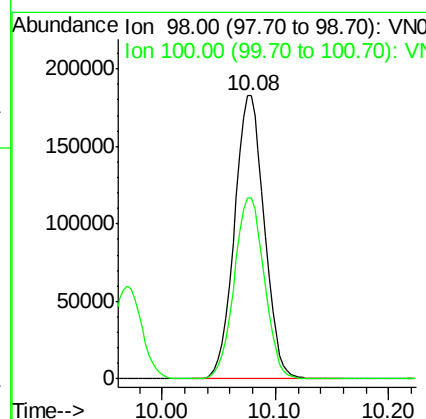
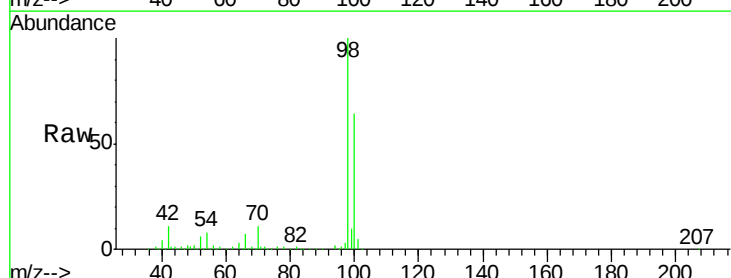
Manual Integrations
APPROVED

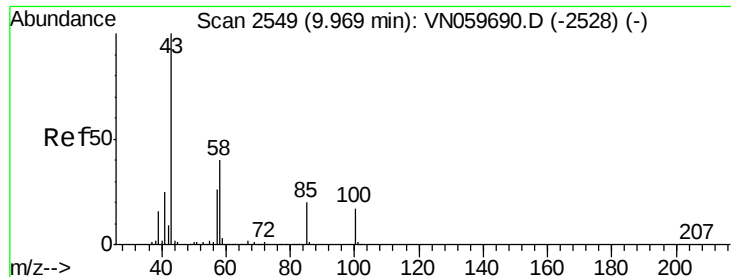
MMDadoda
1/27/2020 11:16:08 AM



#50
Toluene-d8
Concen: 50.520 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 263.702 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 614621

Ion Ratio Lower Upper

43 100

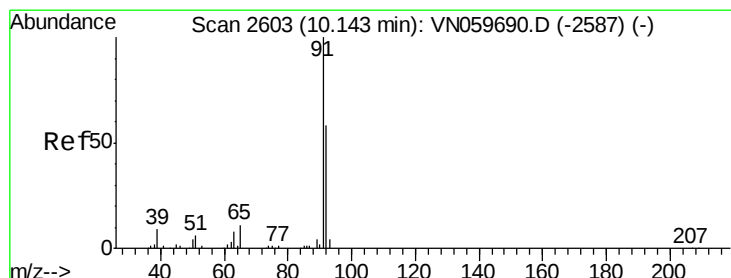
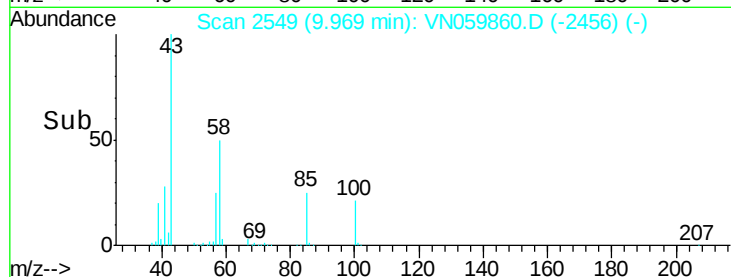
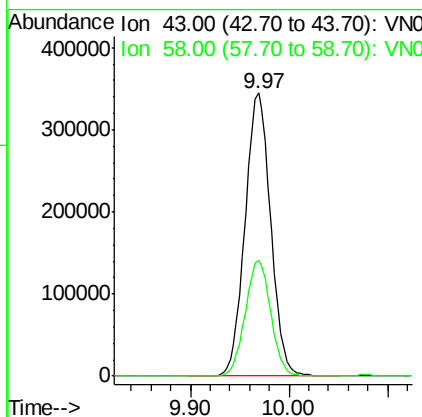
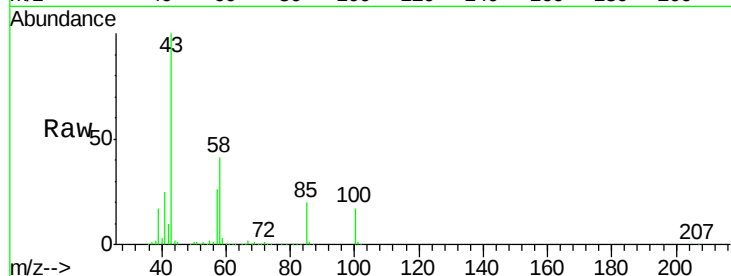
58 40.8 29.8 44.8

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



#52

Toluene

Concen: 52.230 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059860.D

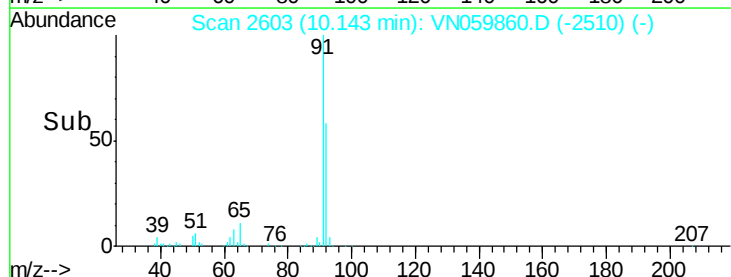
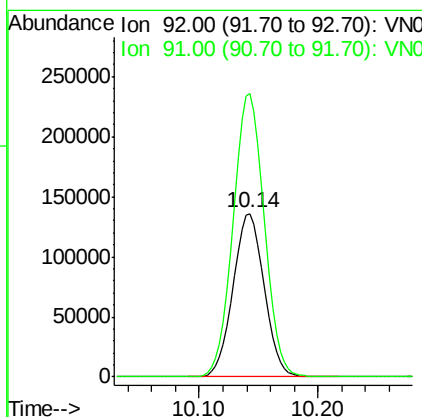
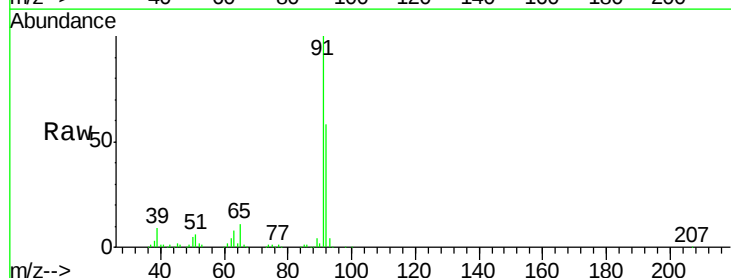
Acq: 24 Jan 2020 20:58

Tgt Ion: 92 Resp: 245904

Ion Ratio Lower Upper

92 100

91 173.7 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 54.721 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 160199

Ion Ratio Lower Upper

75 100

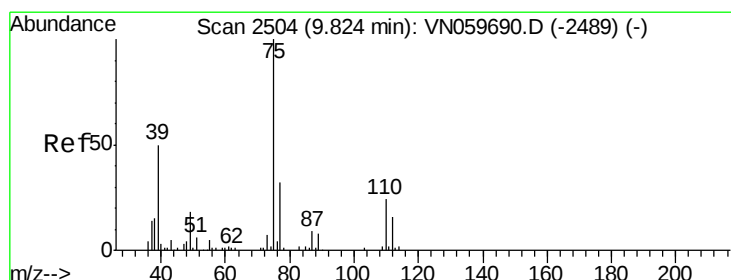
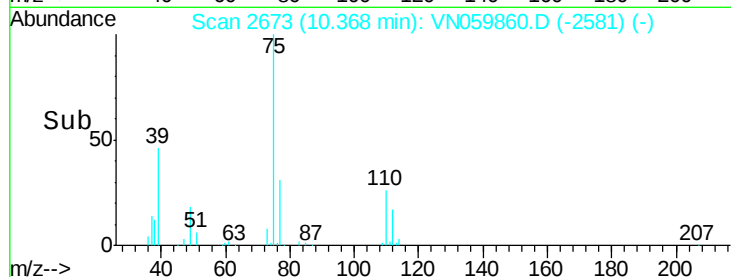
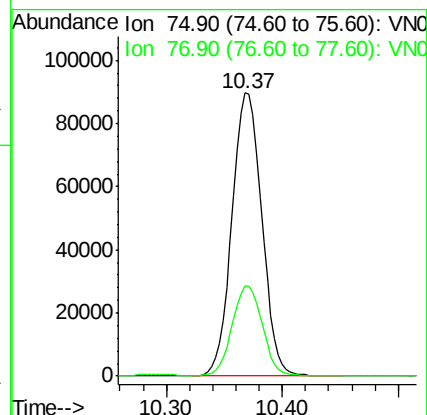
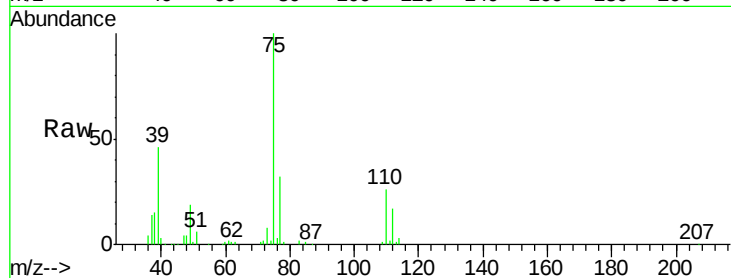
77 31.4 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



#54

cis-1,3-Dichloropropene

Concen: 53.725 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

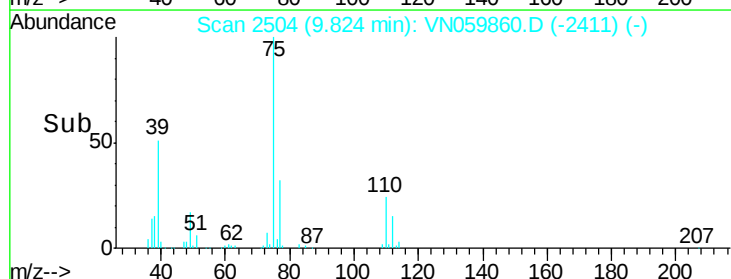
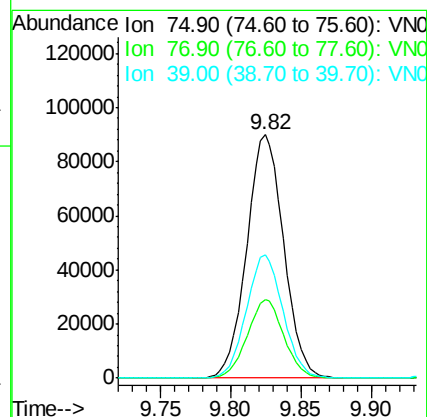
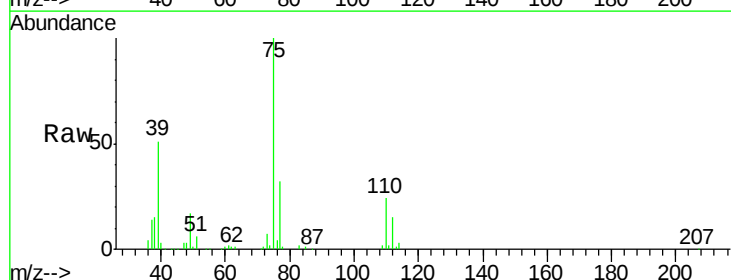
Tgt Ion: 75 Resp: 165490

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 50.5 46.1 69.1





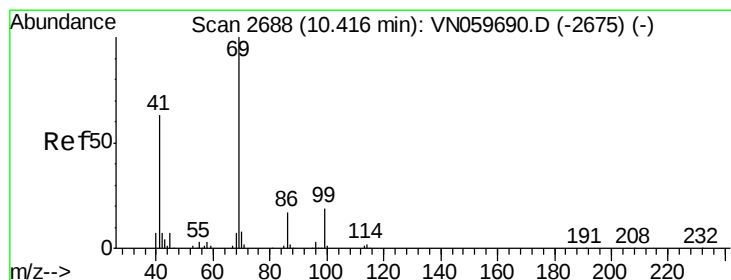
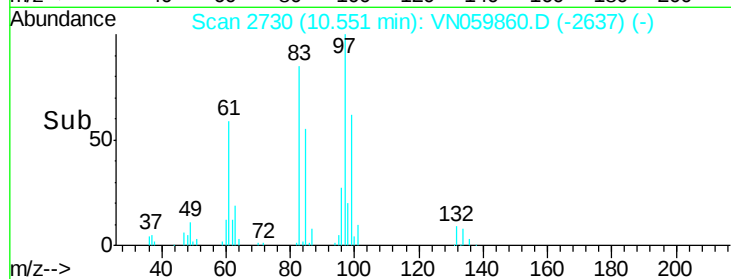
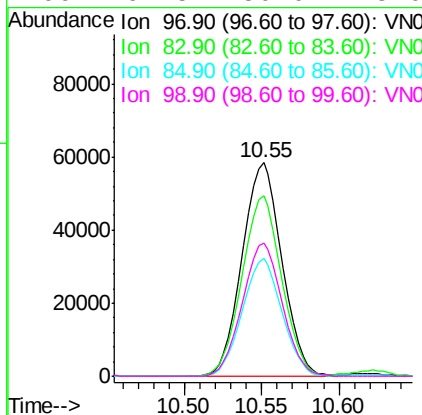
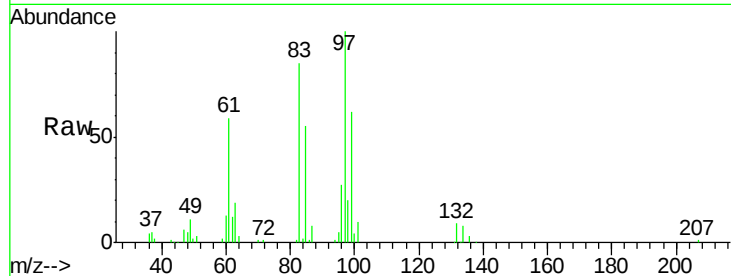
#55
 1,1,2-Trichloroethane
 Concen: 56.144 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	71.3	106.9
85	55.1	45.8	68.8
99	62.5	50.0	75.0

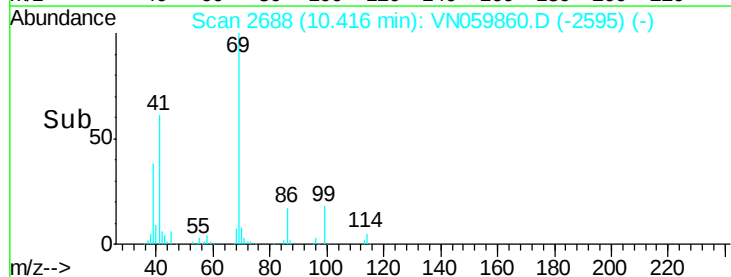
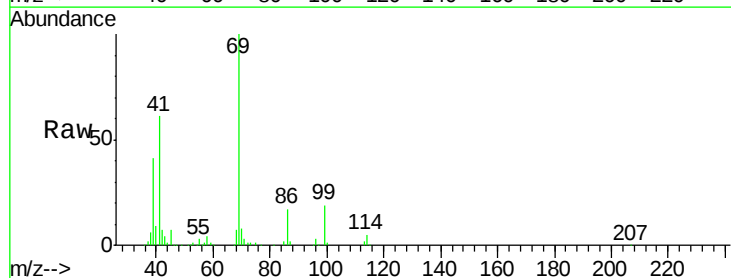
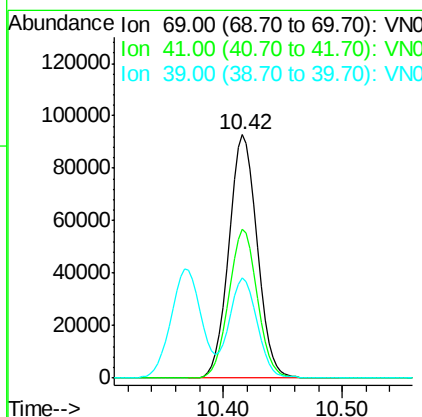
Manual Integrations
 APPROVED

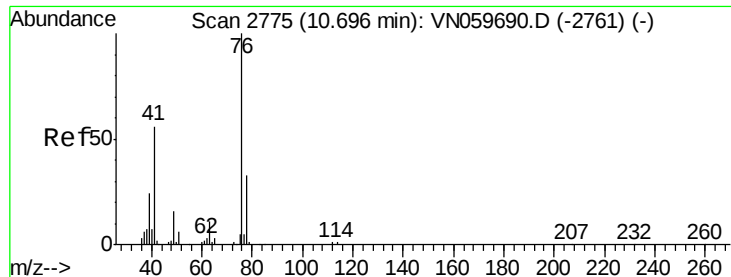
MMDadoda
 1/27/2020 11:16:08 AM



#56
 Ethyl methacrylate
 Concen: 53.866 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	57.1	85.7
39	41.2	34.7	52.1





#57

1,3-Dichloropropane

Concen: 56.367 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 166871

Ion Ratio Lower Upper

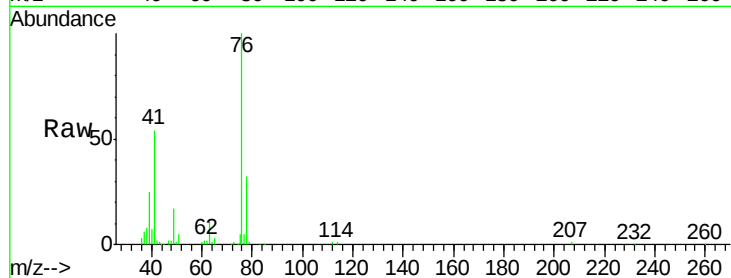
76 100

78 32.2 25.8 38.8

Manual Integrations
APPROVED

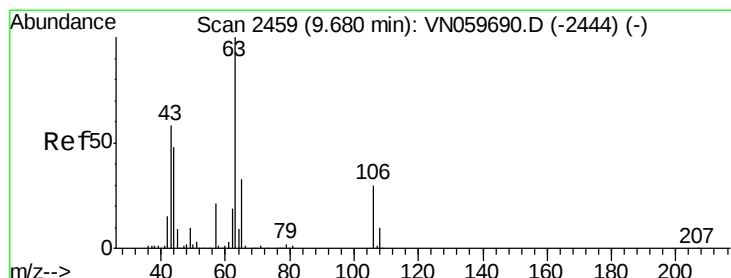
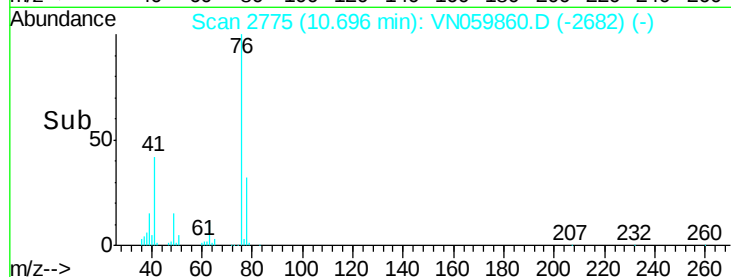
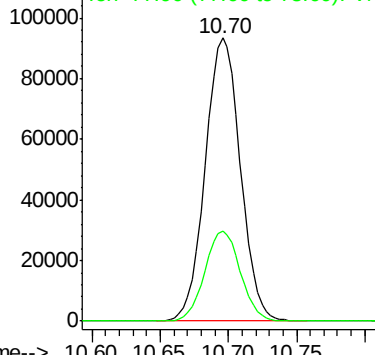
MMDadoda

1/27/2020 11:16:08 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 283.687 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059860.D

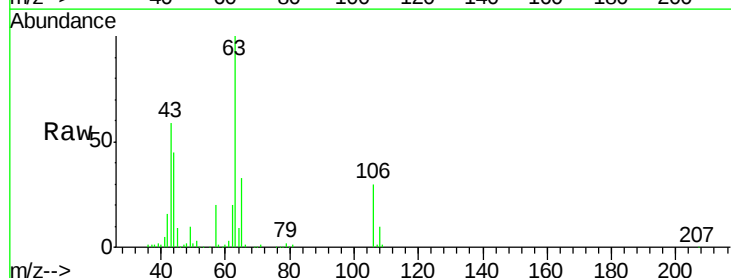
Acq: 24 Jan 2020 20:58

Tgt Ion: 63 Resp: 243461

Ion Ratio Lower Upper

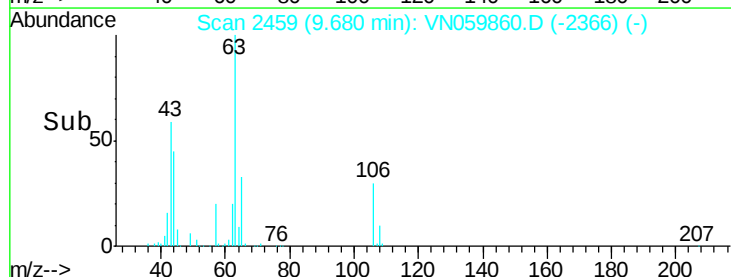
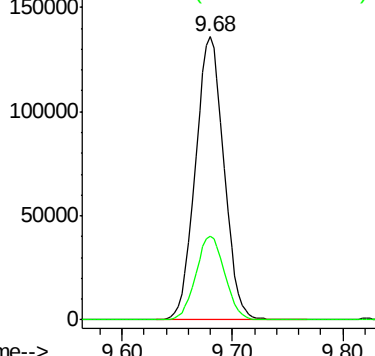
63 100

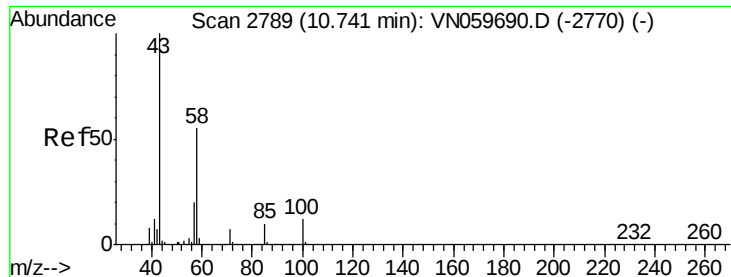
106 29.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





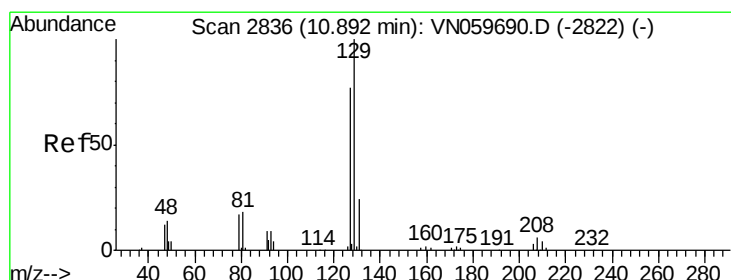
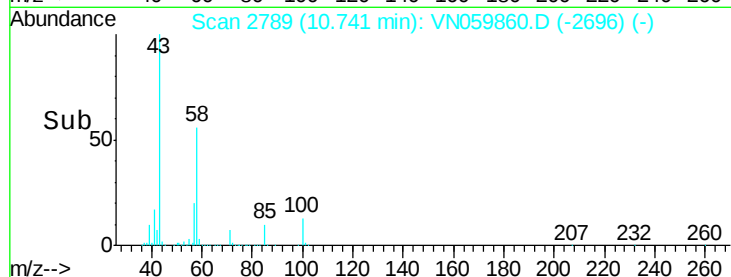
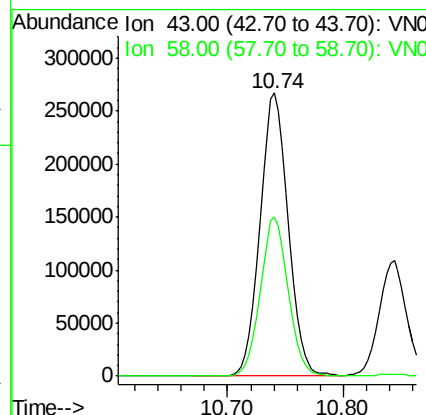
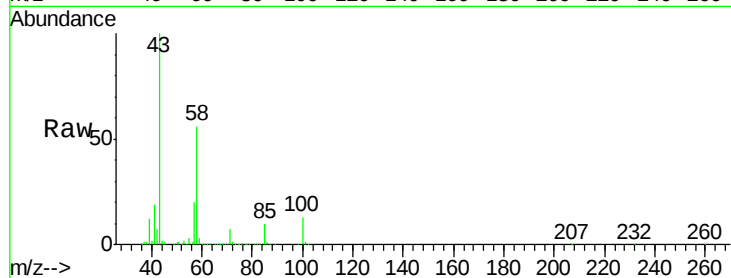
#59
2-Hexanone
Concen: 263.368 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 452220
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3

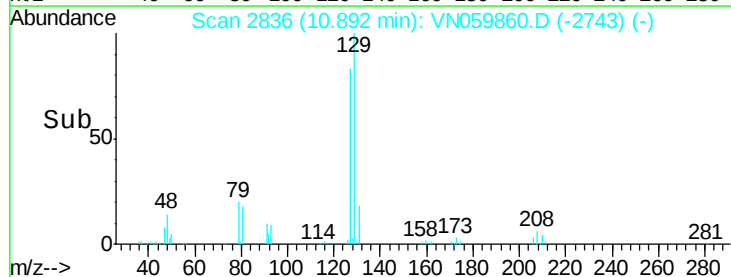
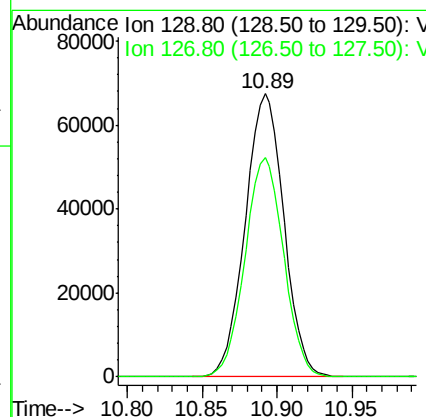
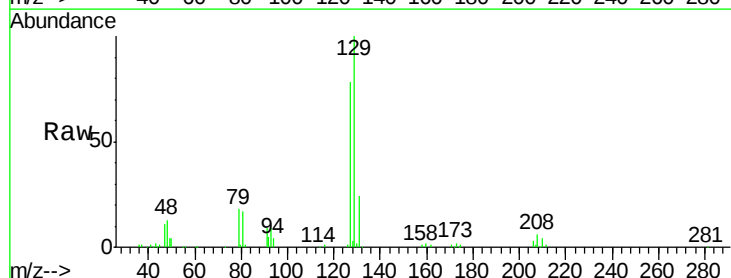
Manual Integrations
APPROVED

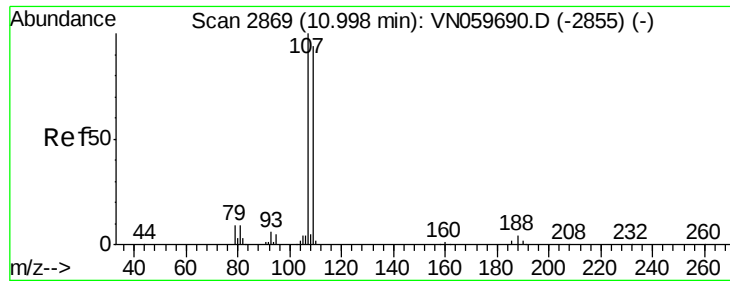
MMDadoda
1/27/2020 11:16:08 AM



#60
Dibromochloromethane
Concen: 57.228 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion: 129 Resp: 121520
Ion Ratio Lower Upper
129 100
127 77.3 38.5 115.5





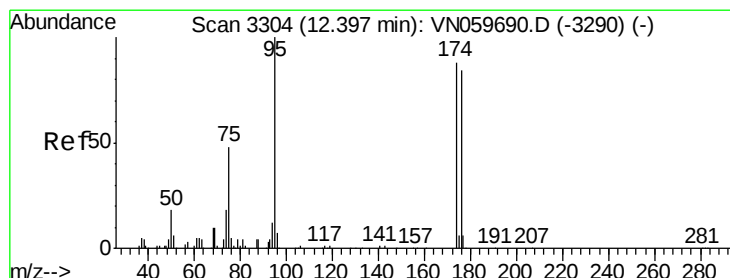
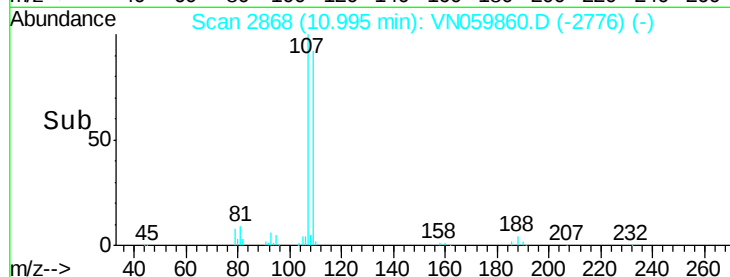
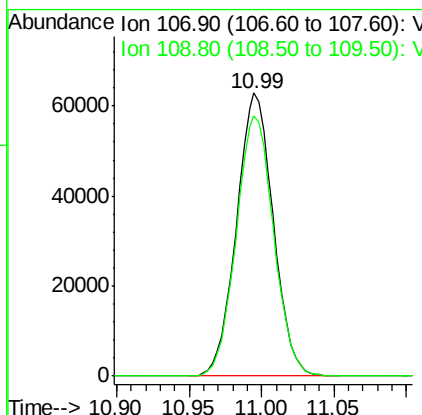
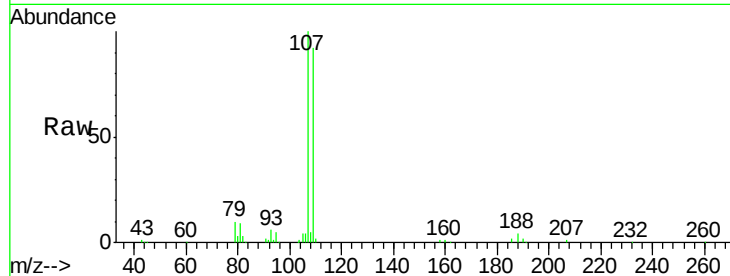
#61
 1,2-Dibromoethane
 Concen: 56.574 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 110568
 Ion Ratio Lower Upper
 107 100
 109 93.9 76.6 115.0

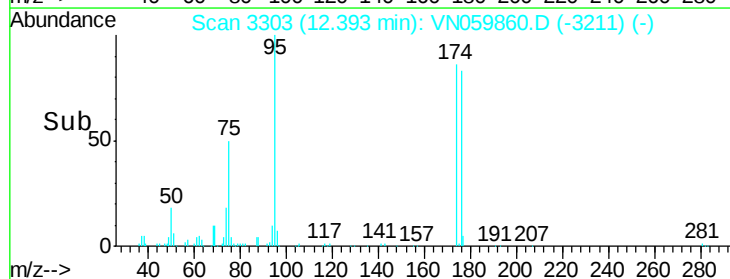
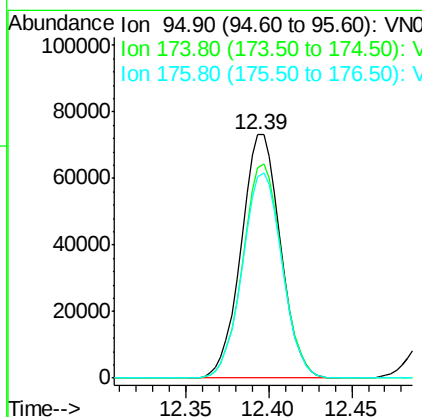
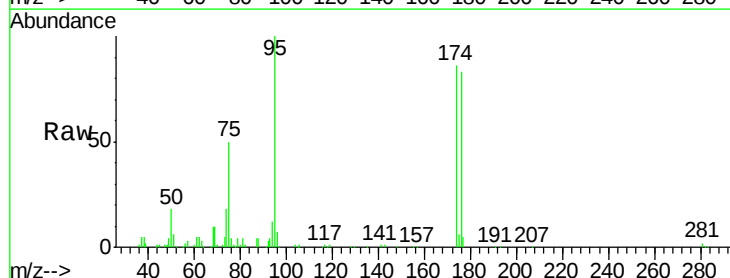
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#62
 4-Bromofluorobenzene
 Concen: 50.636 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion: 95 Resp: 121047
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 151.4
 176 85.0 0.0 146.0





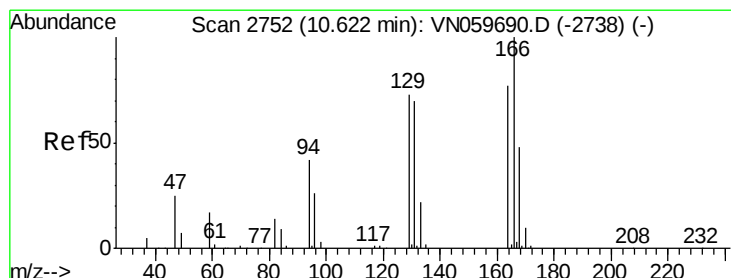
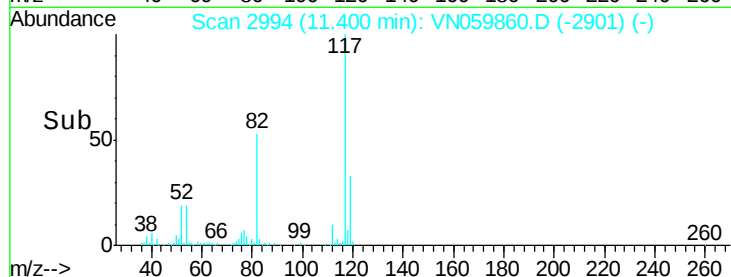
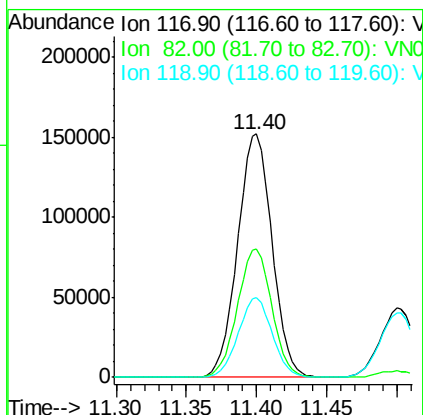
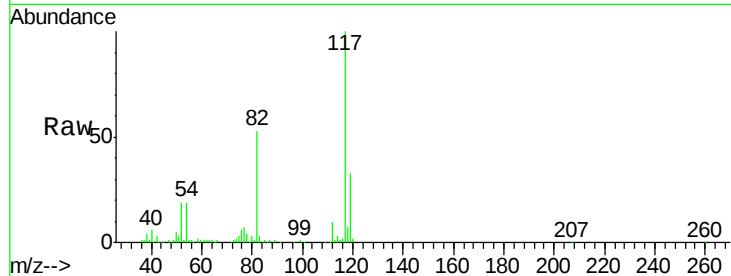
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.9	68.9
119	32.7	25.5	38.3

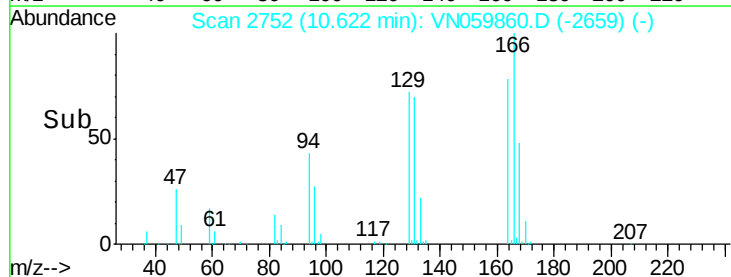
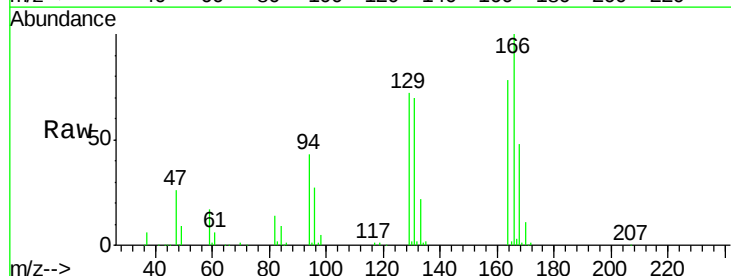
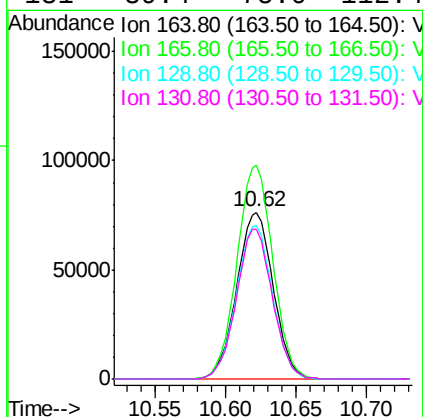
Manual Integrations
APPROVED

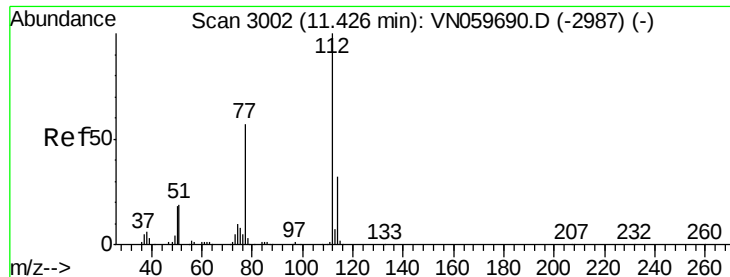
MMDadoda
1/27/2020 11:16:08 AM



#64
Tetrachloroethene
Concen: 65.060 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.4	152.0
129	92.0	80.2	120.4
131	89.4	75.0	112.4





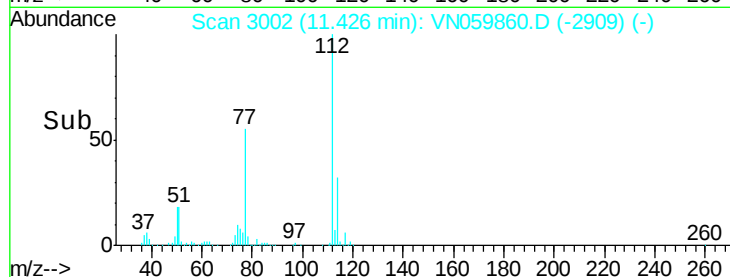
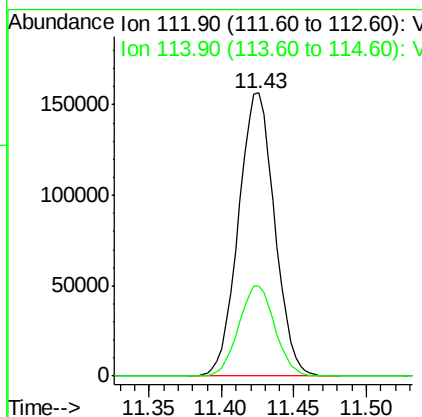
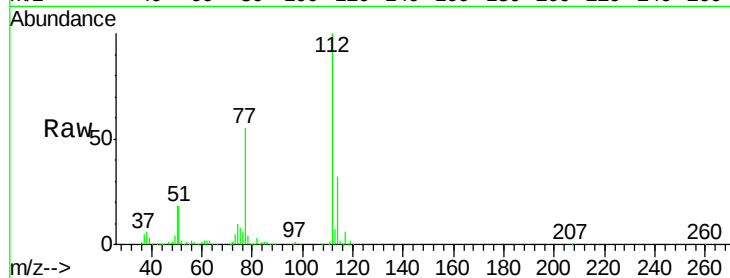
#65
Chlorobenzene
Concen: 52.849 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 271195
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8

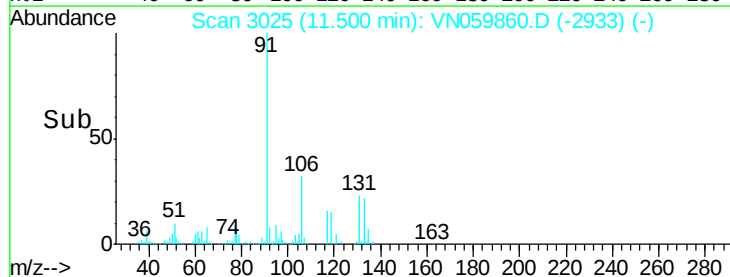
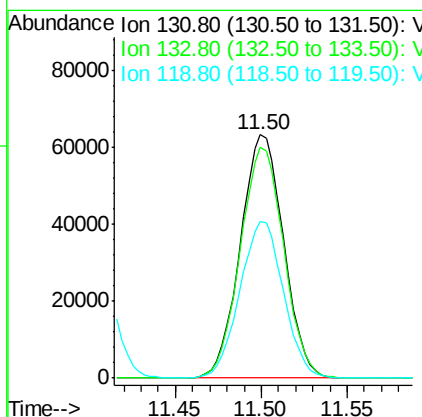
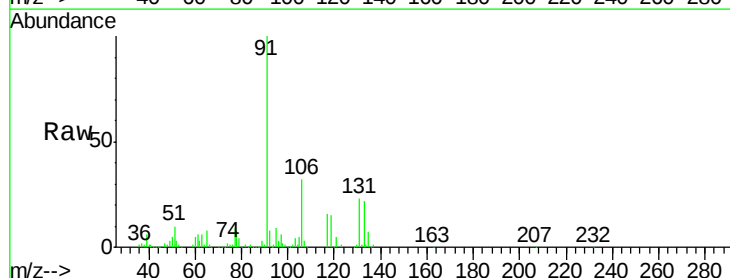
Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.552 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion:131 Resp: 110148
Ion Ratio Lower Upper
131 100
133 95.6 47.4 142.2
119 64.8 33.1 99.3





#67

Ethyl Benzene

Concen: 50.360 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 469117

Ion Ratio Lower Upper

91 100

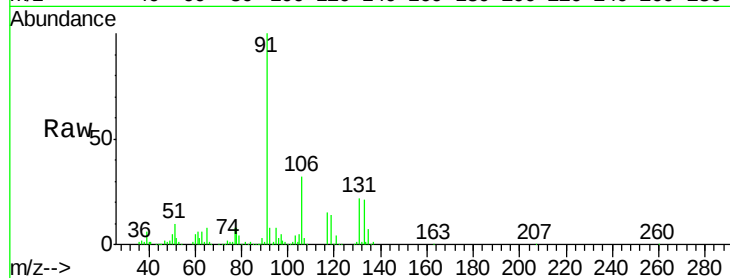
106 31.9 24.1 36.1

Manual Integrations

APPROVED

MMDadoda

1/27/2020 11:16:08 AM



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

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

400000

300000

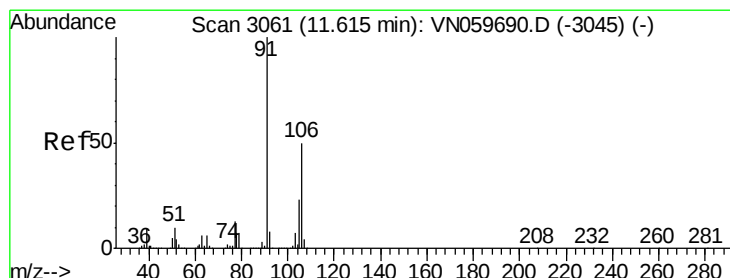
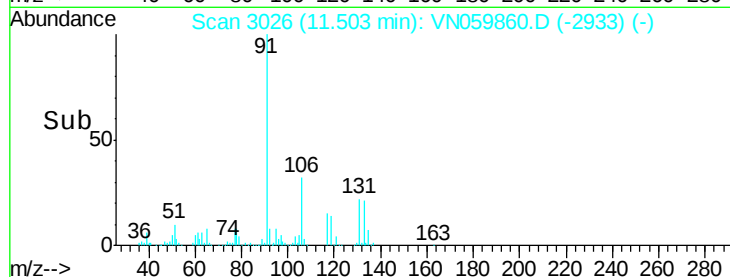
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 101.863 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN059860.D

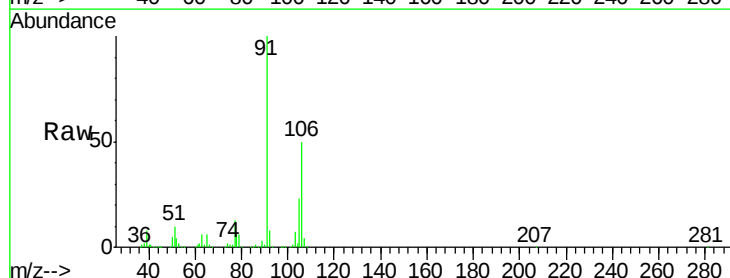
Acq: 24 Jan 2020 20:58

Tgt Ion: 106 Resp: 358431

Ion Ratio Lower Upper

106 100

91 200.2 167.9 251.9



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

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

400000

300000

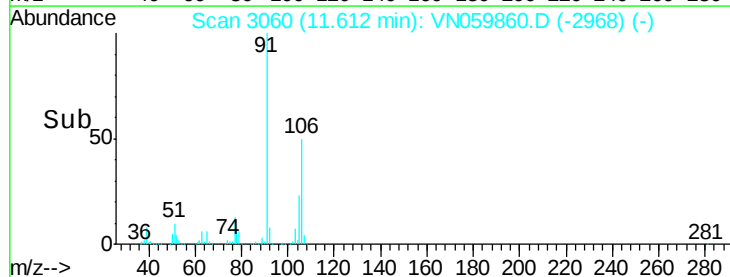
200000

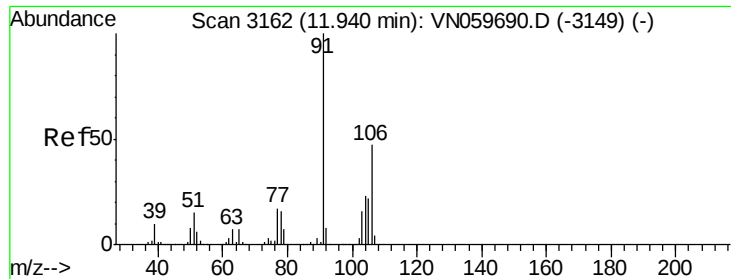
100000

0

11.60 11.61 11.70

Time-->





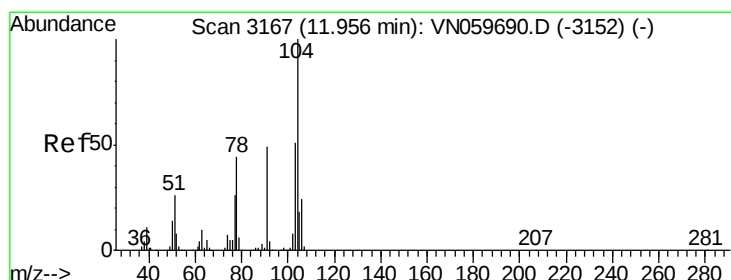
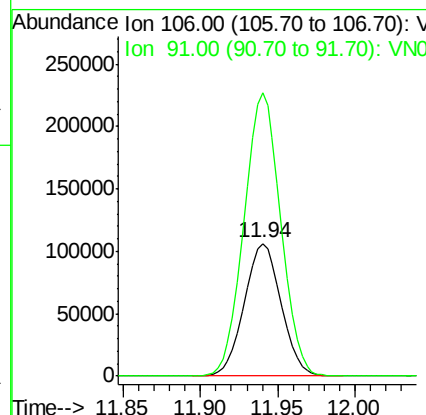
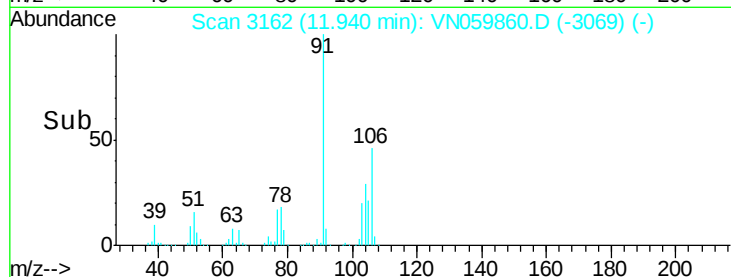
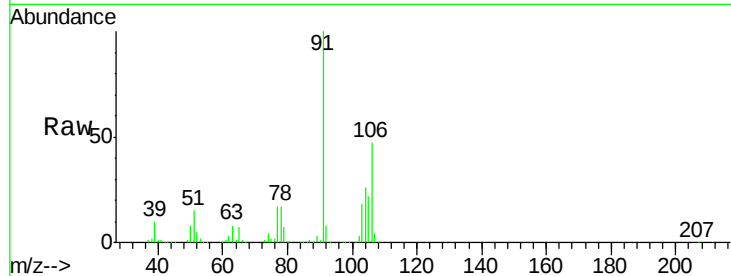
#69
o-Xylene
Concen: 51.087 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		175990		
91	212.6	110.3	330.9		

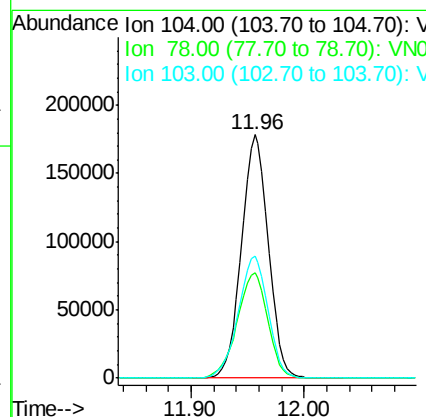
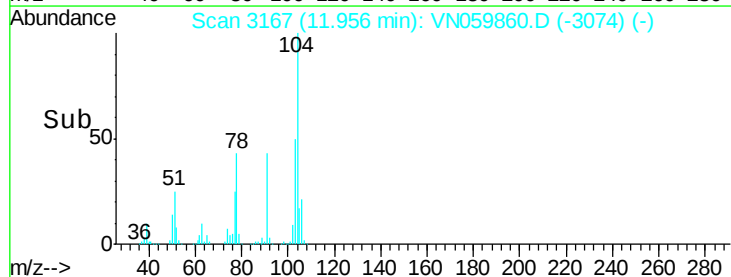
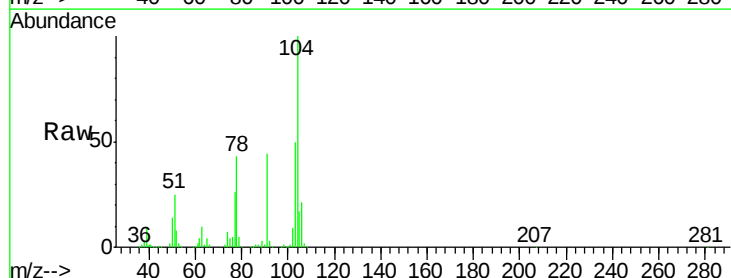
Manual Integrations
APPROVED

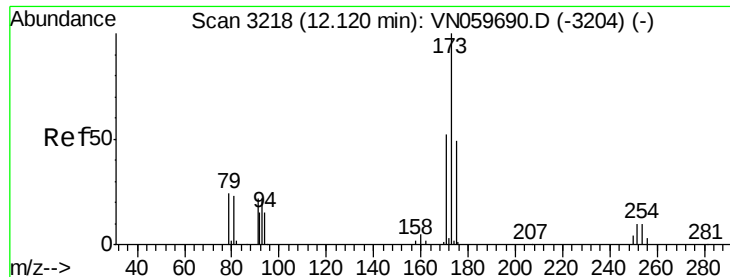
MMDadoda
1/27/2020 11:16:08 AM



#70
Styrene
Concen: 51.375 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		296149		
78	48.9	42.4	63.6		
103	55.4	43.9	65.9		





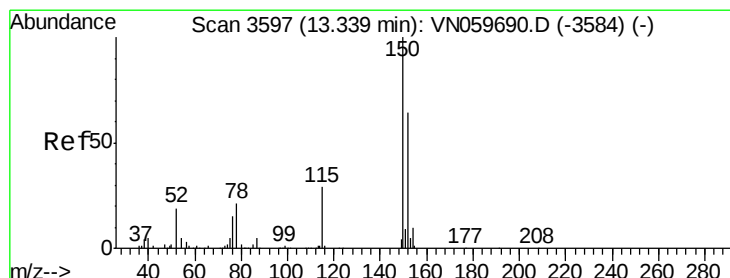
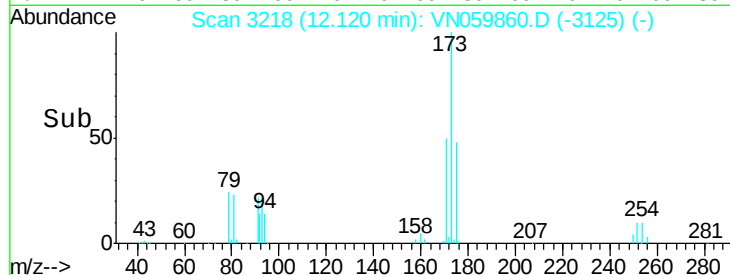
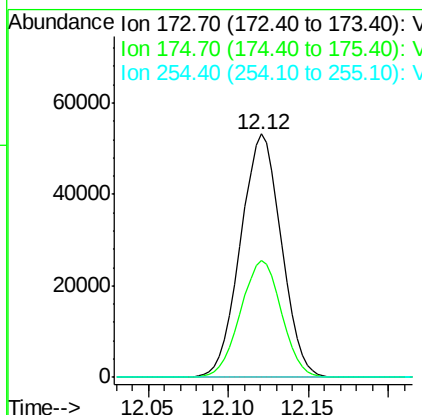
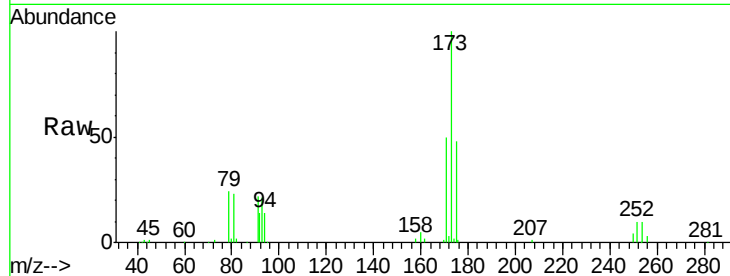
#71
Bromoform
Concen: 58.460 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	23.8	71.4
254	0.0	0.0	0.0

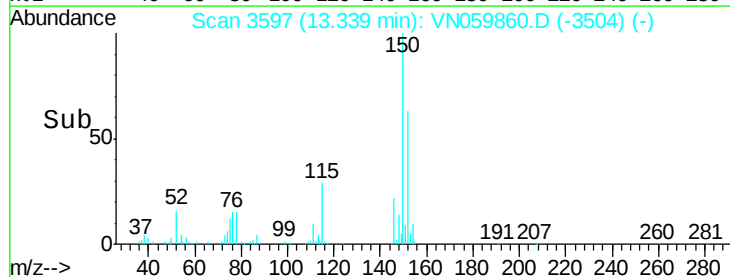
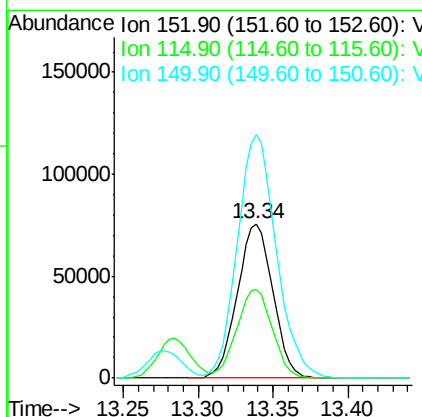
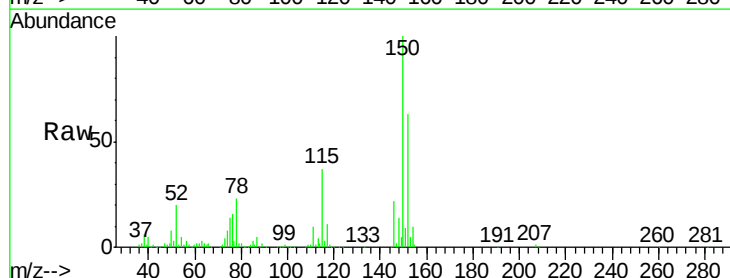
Manual Integrations
APPROVED

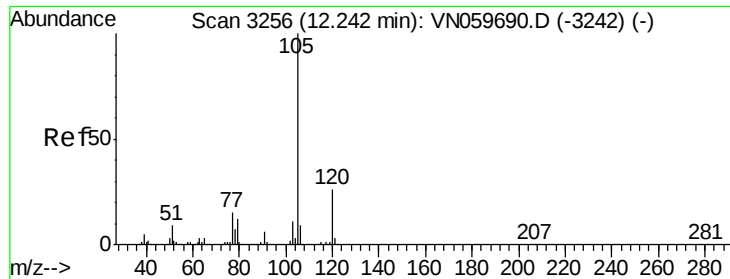
MMDadoda
1/27/2020 11:16:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	30.3	90.9
150	173.0	0.0	345.2





#73

Isopropylbenzene

Concen: 50.930 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 467268

Ion Ratio Lower Upper

105 100

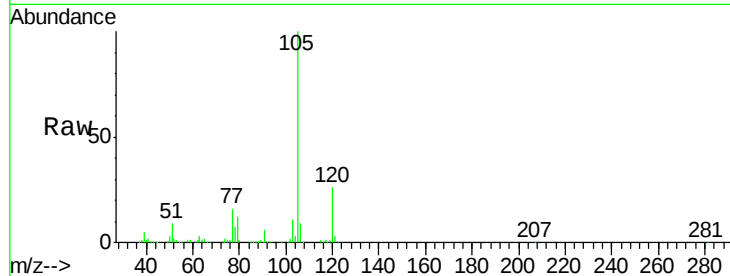
120 26.5 13.2 39.5

Manual Integrations

APPROVED

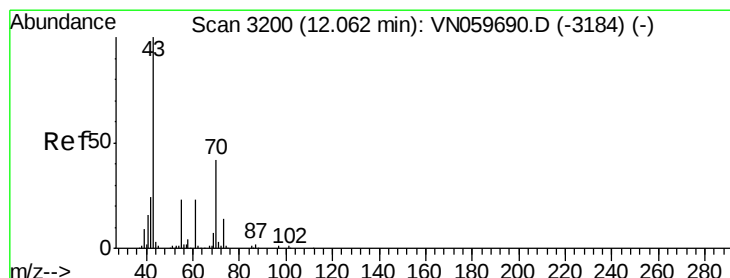
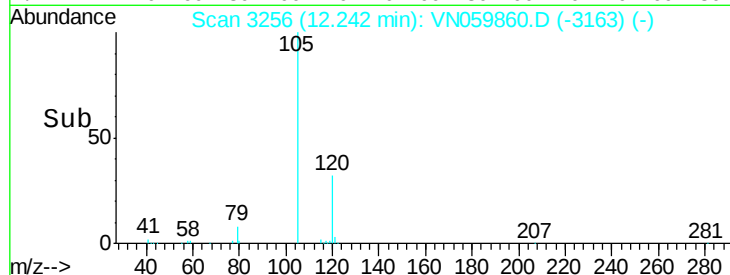
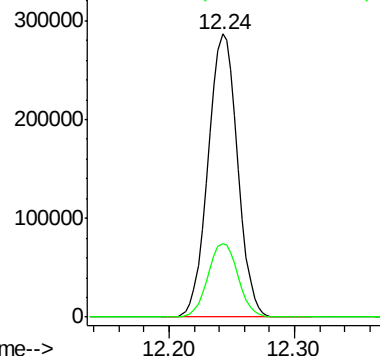
MMDadoda

1/27/2020 11:16:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.753 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion: 43 Resp: 180687

Ion Ratio Lower Upper

43 100

70 43.0 31.3 46.9

55 23.6 19.8 29.6

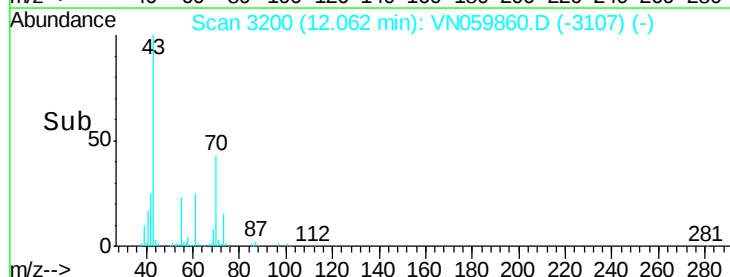
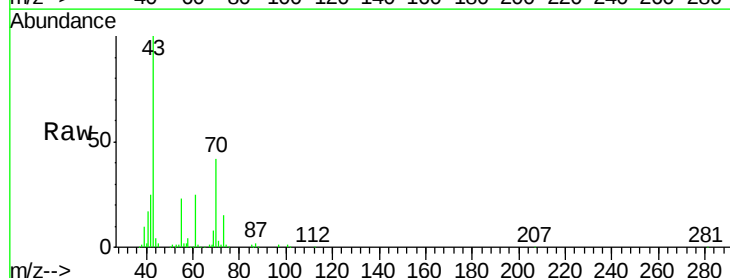
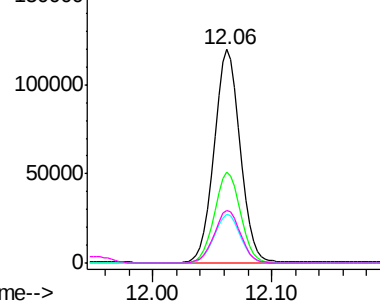
61 25.2 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 55.924 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

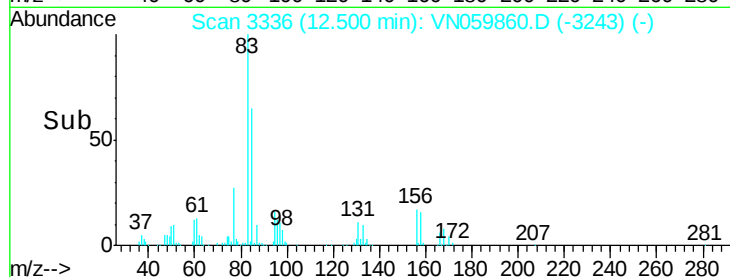
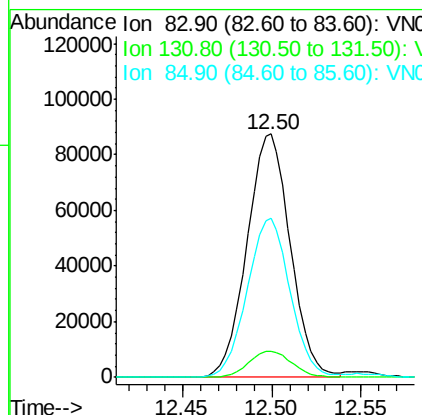
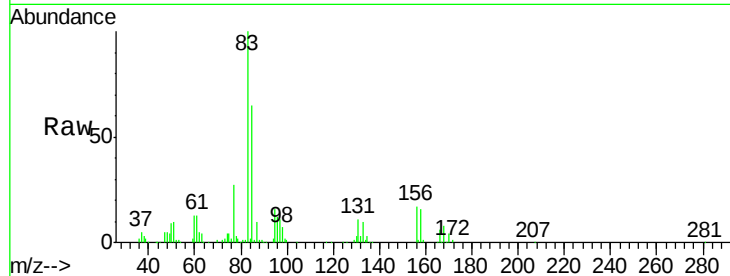
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	148744
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	64.6	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#76

1,2,3-Trichloropropane

Concen: 60.698 ug/l m

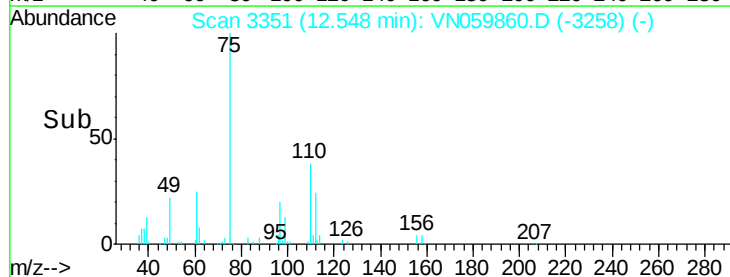
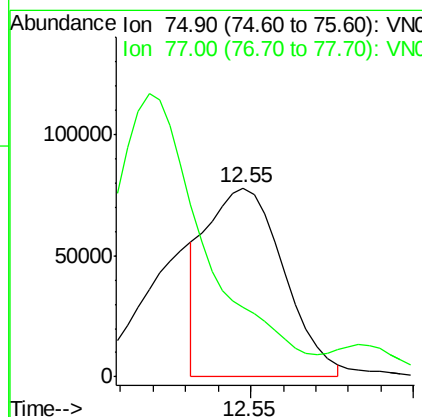
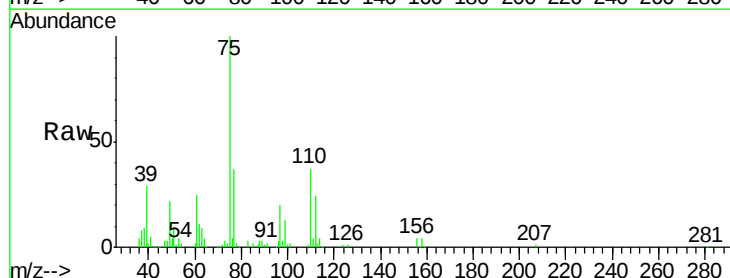
RT: 12.55 min Scan# 3351

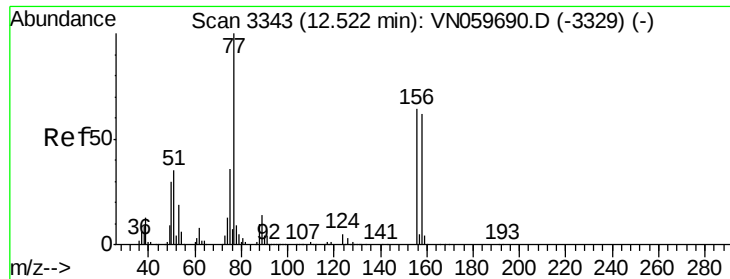
Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	75	Resp:	127788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





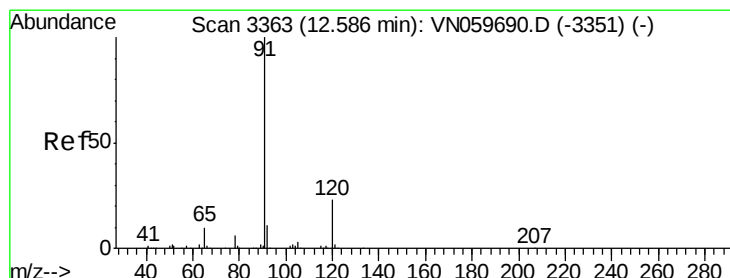
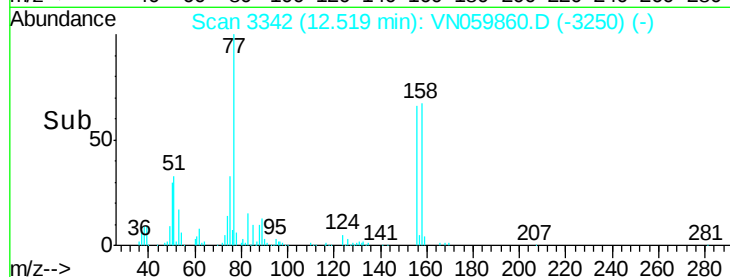
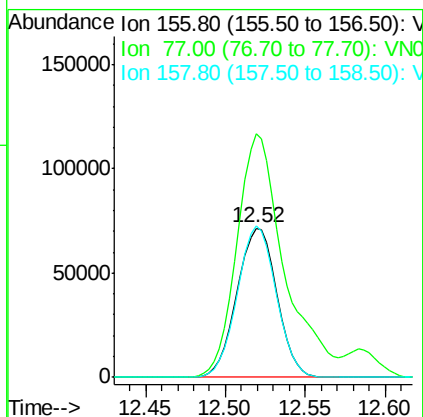
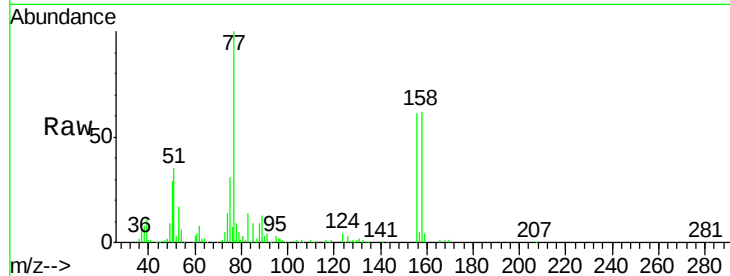
#77
Bromobenzene
Concen: 52.550 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.3	115.8	347.4
158	98.9	49.2	147.6

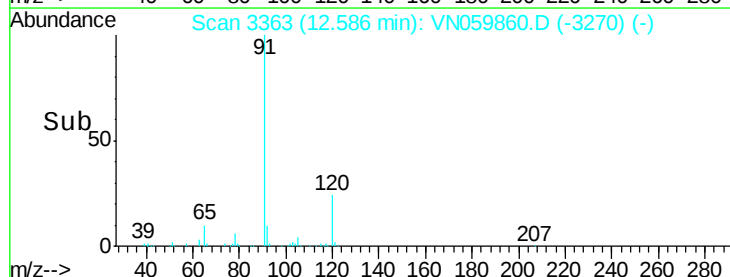
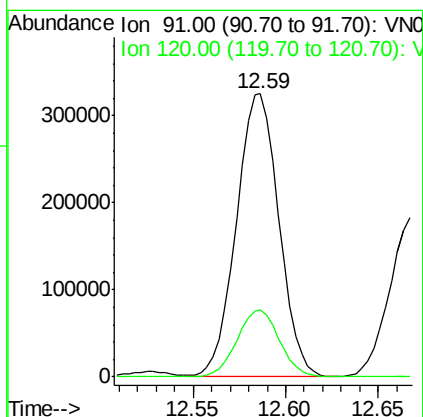
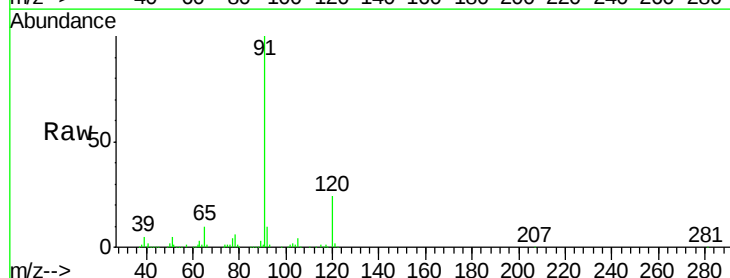
Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#78
n-propylbenzene
Concen: 50.391 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.1	33.3





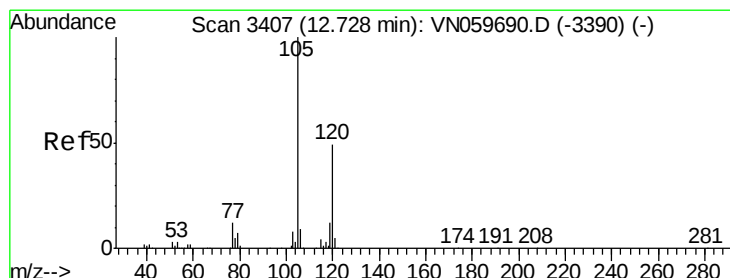
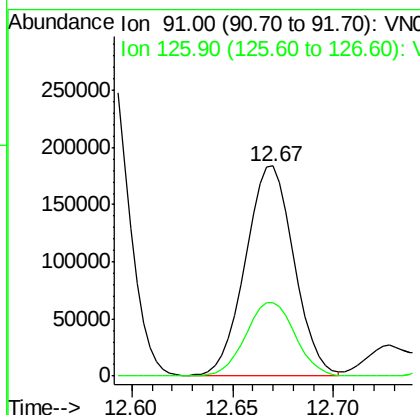
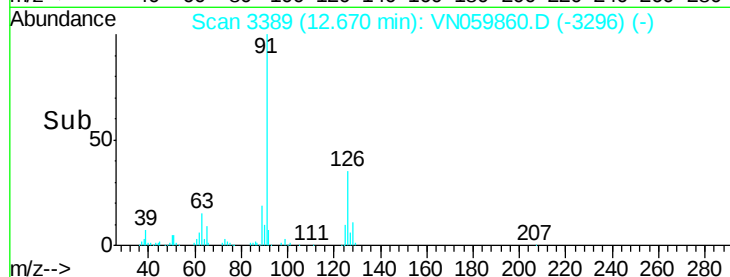
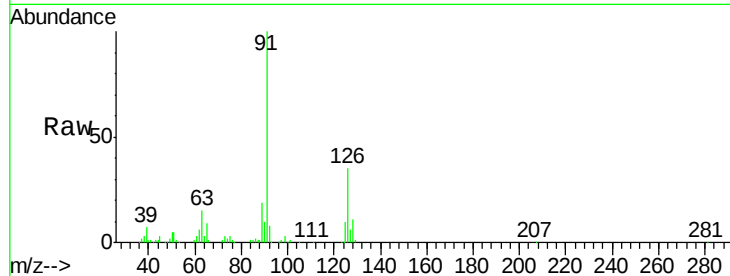
#79
 2-Chlorotoluene
 Concen: 50.595 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 309949
 Ion Ratio Lower Upper
 91 100
 126 35.8 16.3 48.9

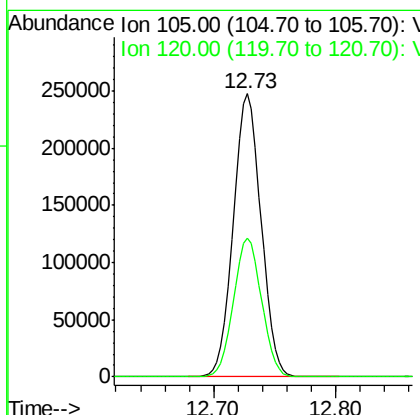
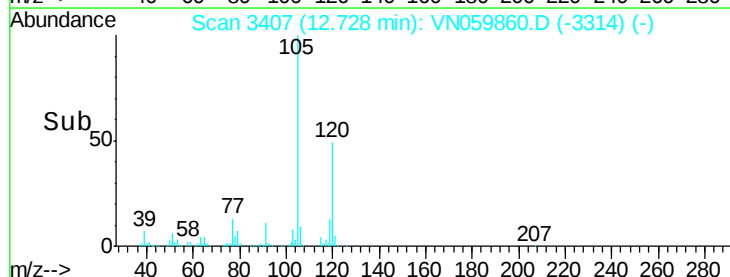
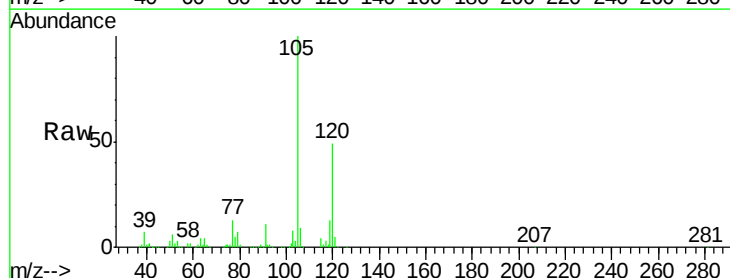
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.673 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion: 105 Resp: 390988
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 54.086 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

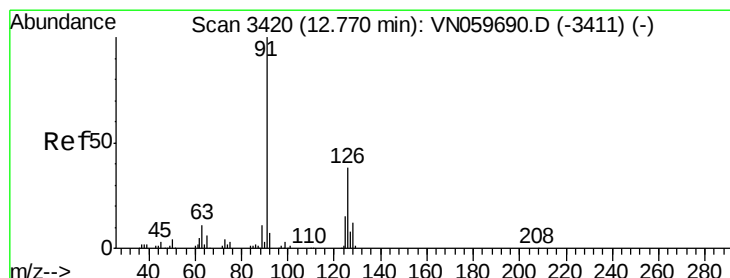
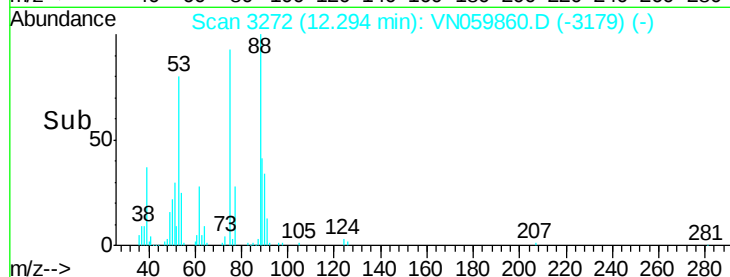
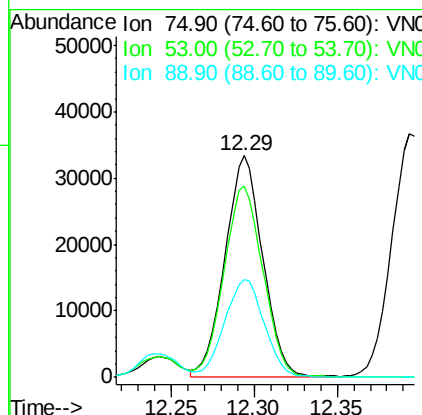
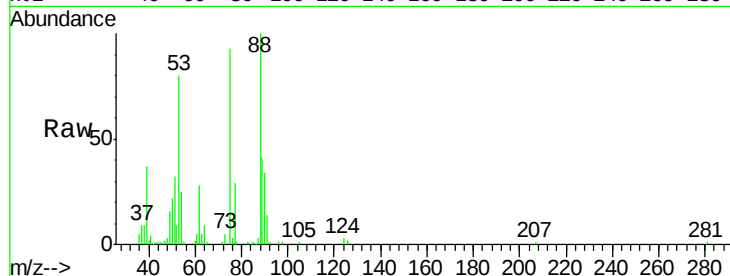
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53023
Ion	Ratio	Lower	Upper
75	100		
53	89.2	78.1	117.1
89	46.3	35.4	53.2

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#82

4-Chlorotoluene

Concen: 51.649 ug/l

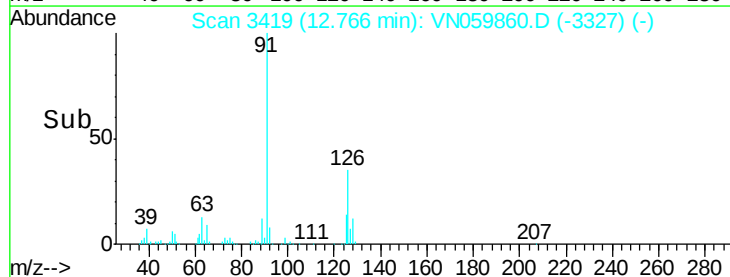
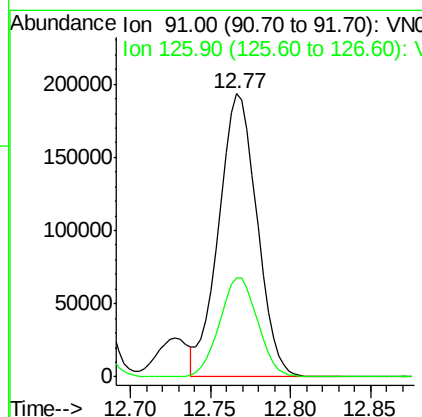
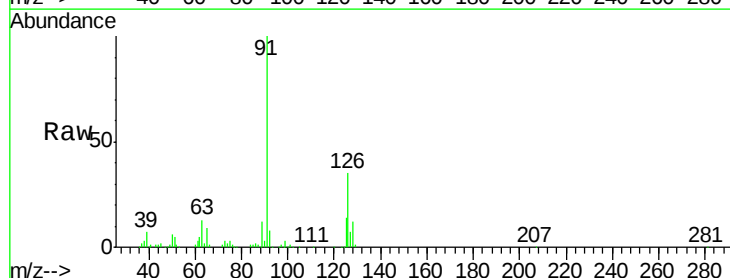
RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	91	Resp:	317363
Ion	Ratio	Lower	Upper
91	100		
126	35.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 50.791 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Instrument :

MSVOA_N

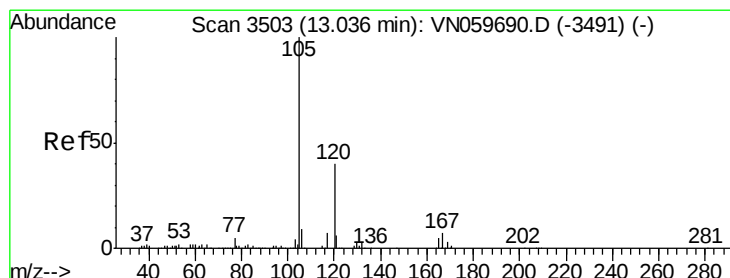
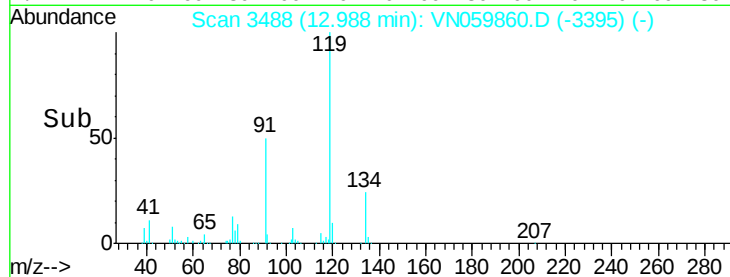
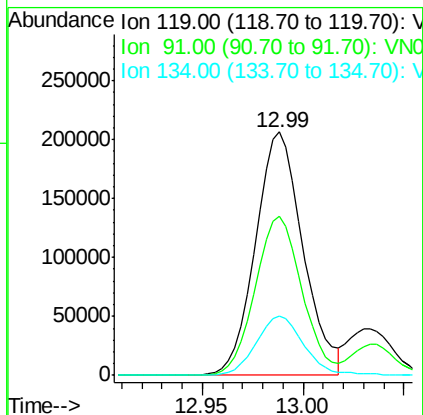
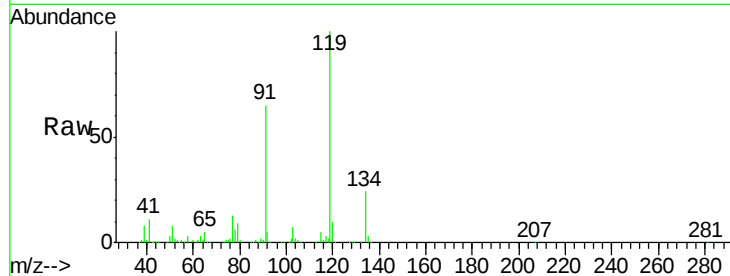
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	338948
Ion Ratio	Lower	Upper	
119	100		
91	64.5	34.8	104.4
134	24.5	12.3	36.9

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#84

1,2,4-Trimethylbenzene

Concen: 51.526 ug/l

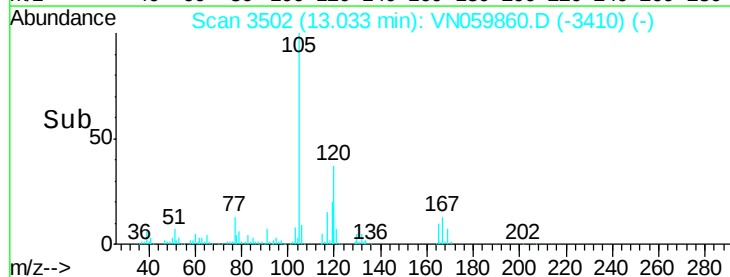
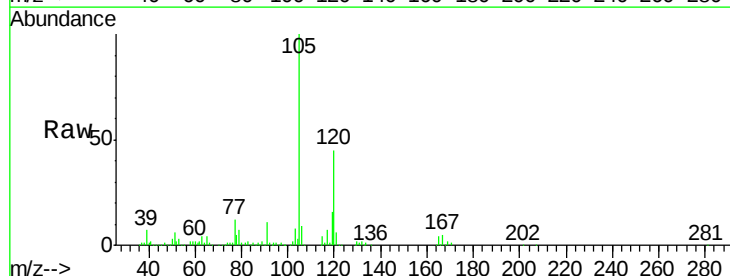
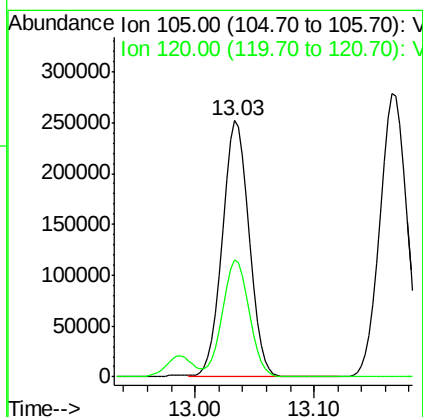
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion:	105	Resp:	393329
Ion Ratio	Lower	Upper	
105	100		
120	45.5	22.3	66.9





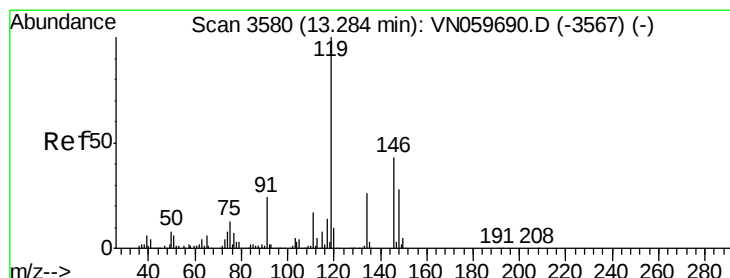
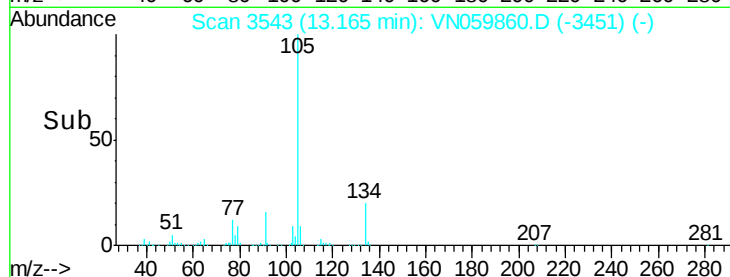
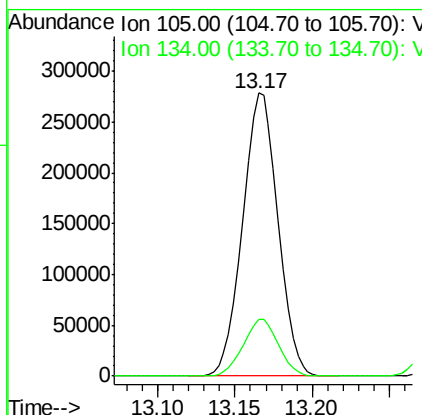
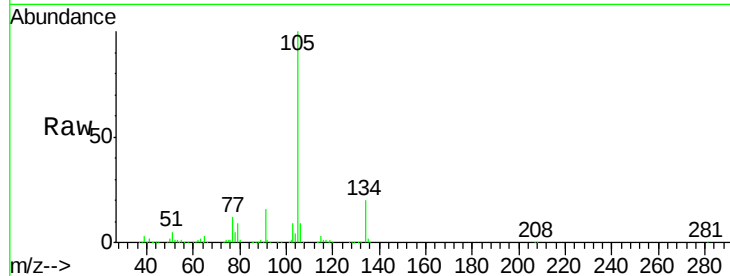
#85
 sec-Butylbenzene
 Concen: 50.518 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.8	29.5

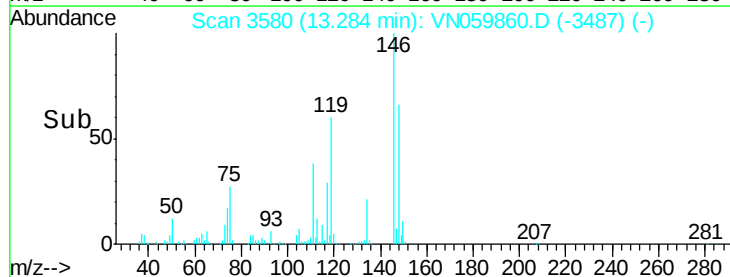
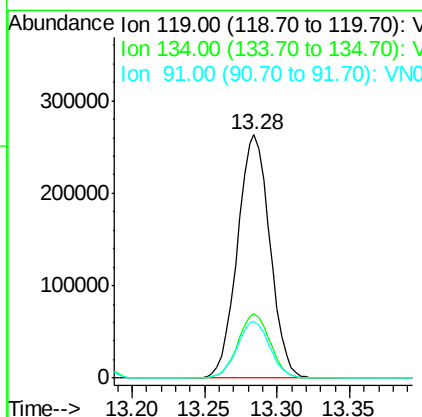
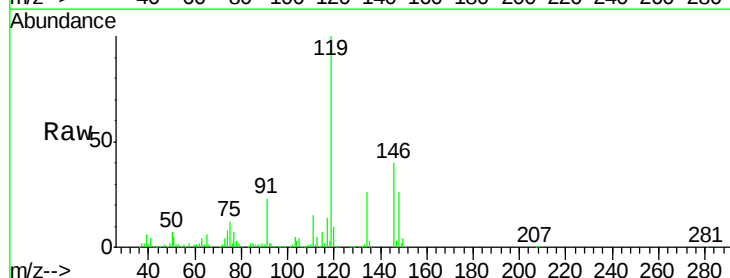
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#86
 p-Isopropyltoluene
 Concen: 50.135 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.7
91	23.4	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 52.115 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059860.D

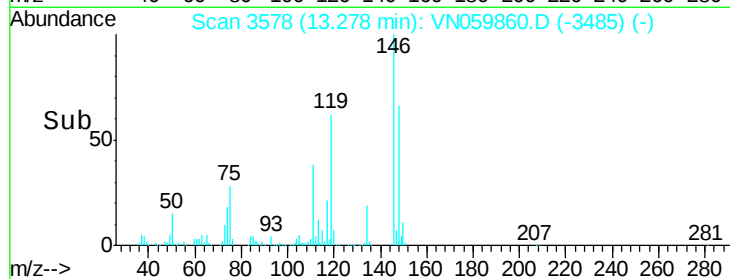
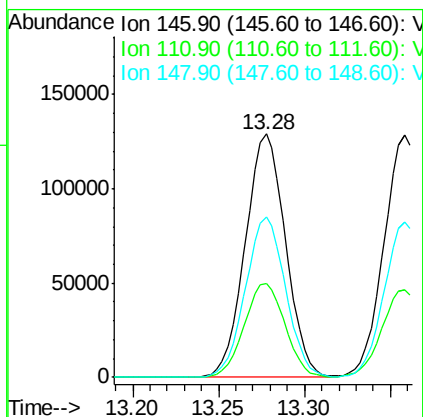
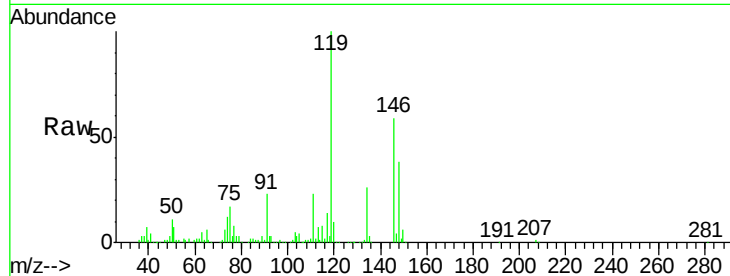
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.2
148	65.7	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#88

1,4-Dichlorobenzene

Concen: 52.308 ug/l

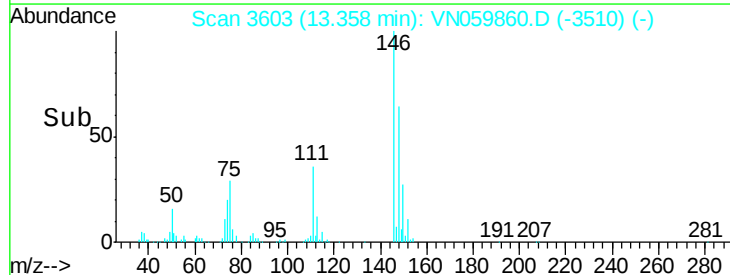
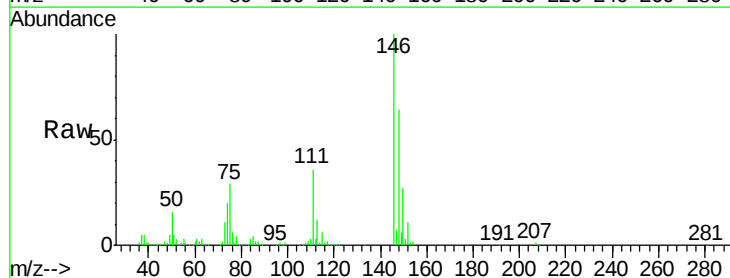
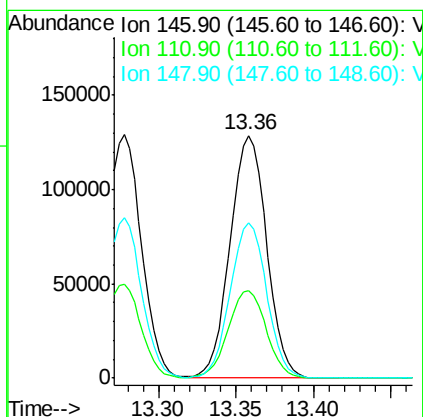
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059860.D

Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	20.8	62.2
148	63.9	31.8	95.4





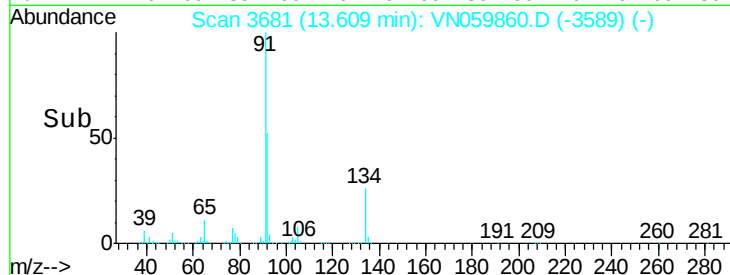
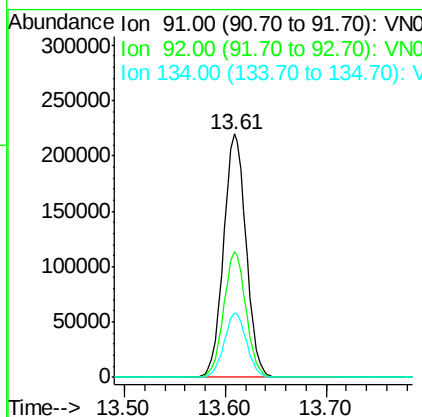
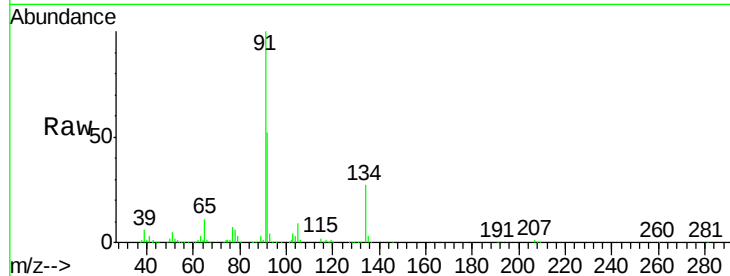
#89
n-Butylbenzene
Concen: 49.637 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.7
134	26.4	12.3	36.8

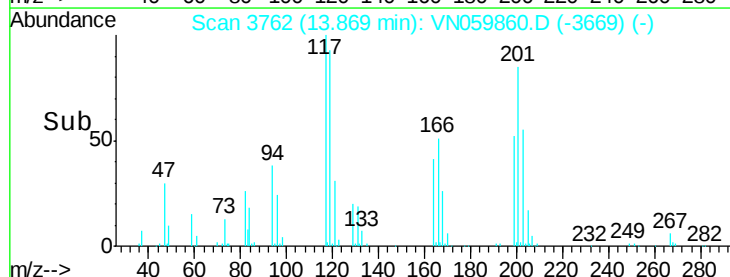
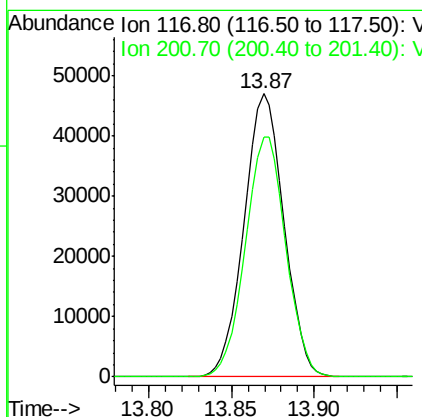
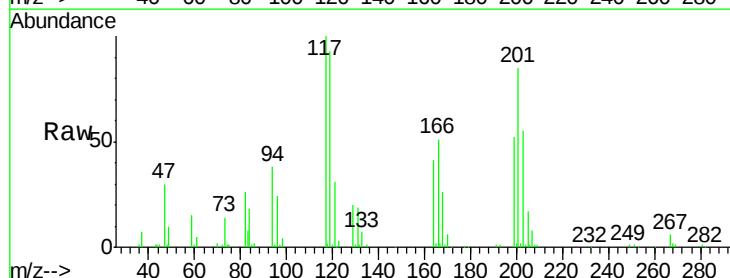
Manual Integrations
APPROVED

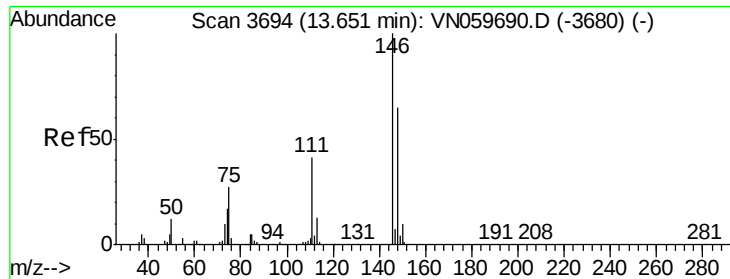
MMDadoda
1/27/2020 11:16:08 AM



#90
Hexachloroethane
Concen: 51.833 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	37.8	113.4





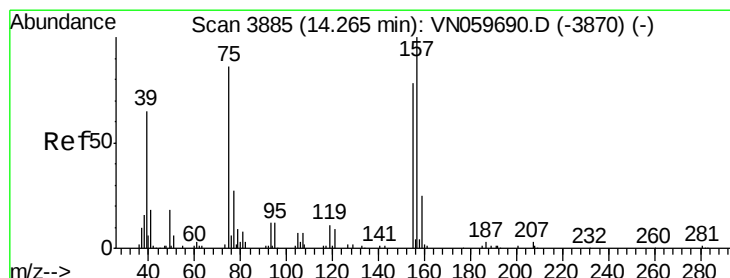
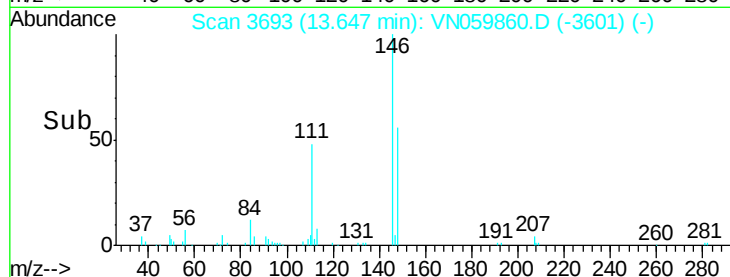
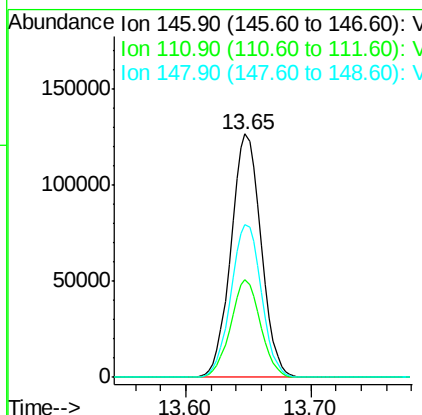
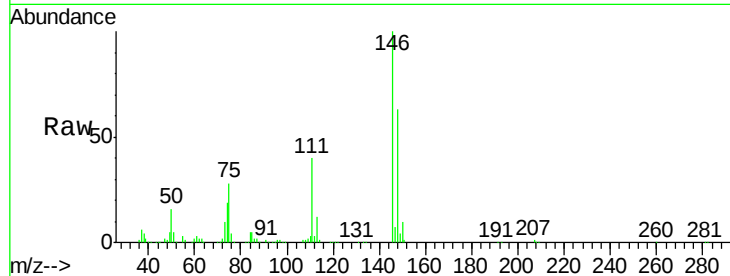
#91
 1,2-Dichlorobenzene
 Concen: 53.007 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.6	64.8
148	63.6	31.6	95.0

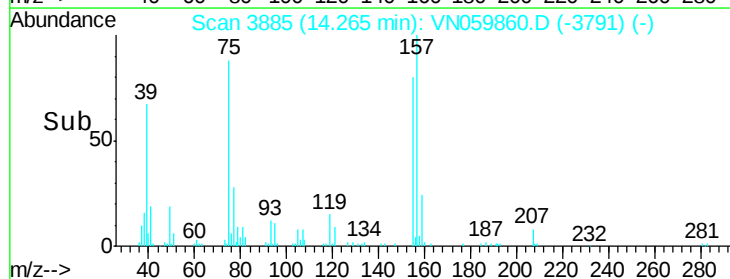
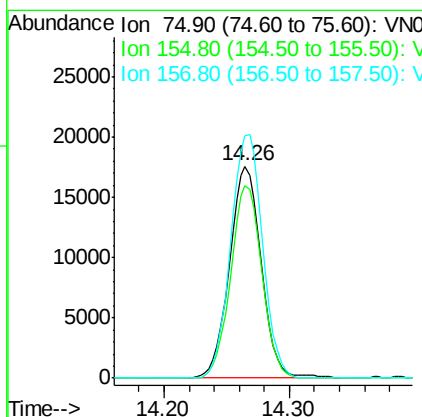
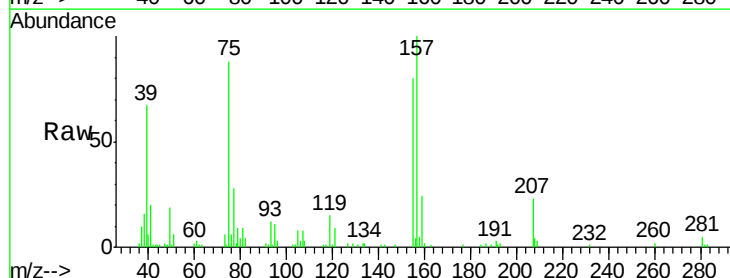
Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.328 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	37.0	110.9
157	114.9	48.4	145.2





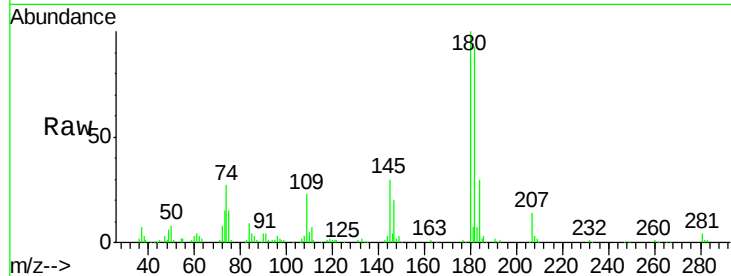
#93
 1,2,4-Trichlorobenzene
 Concen: 52.002 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

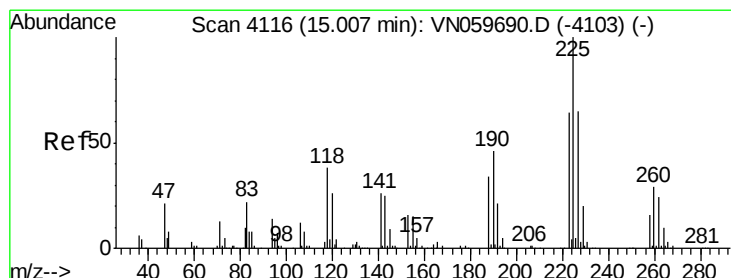
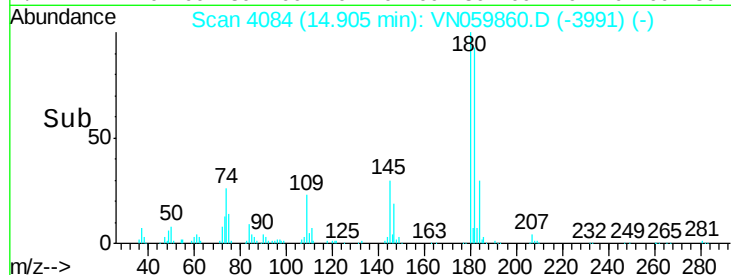
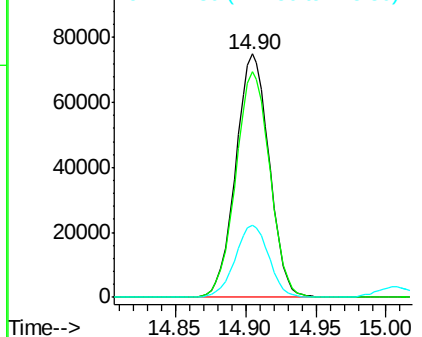
Tot Ion	Ratio	Resp	Lower	Upper
180	100	124673		
182	94.2	46.9	140.7	
145	29.7	15.0	45.1	

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 11:16:08 AM

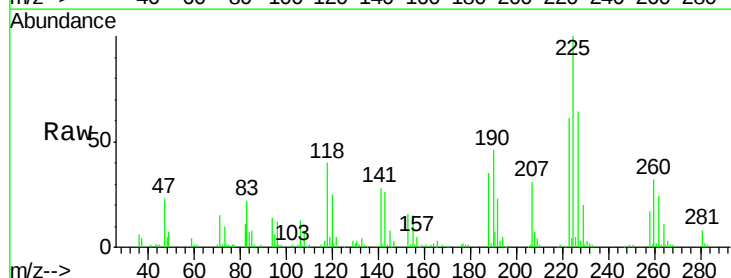


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

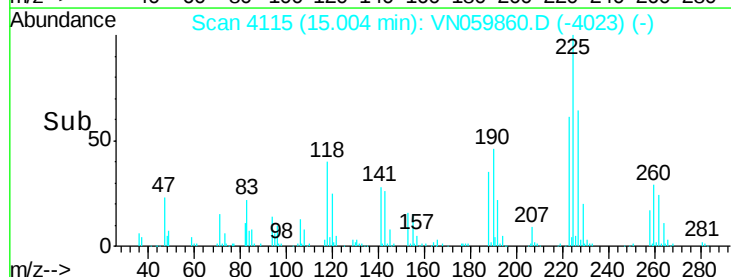
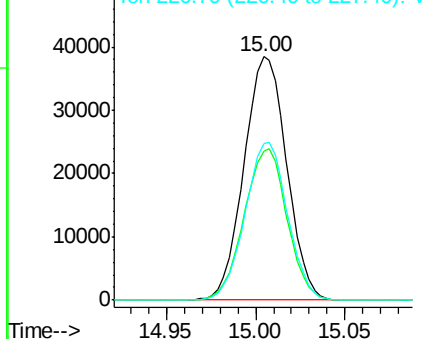


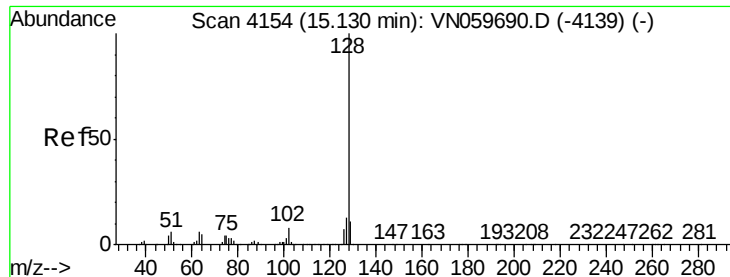
#94
 Hexachlorobutadiene
 Concen: 48.703 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059860.D
 Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64344		
223	62.1	31.8	95.3	
227	64.0	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





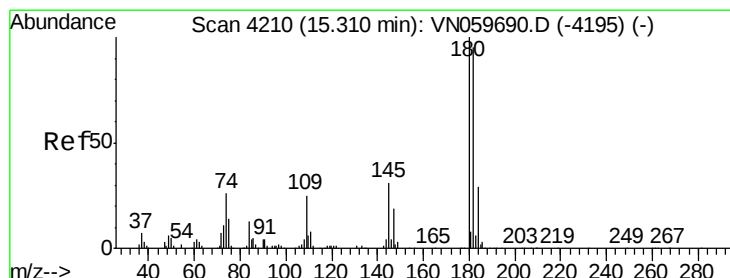
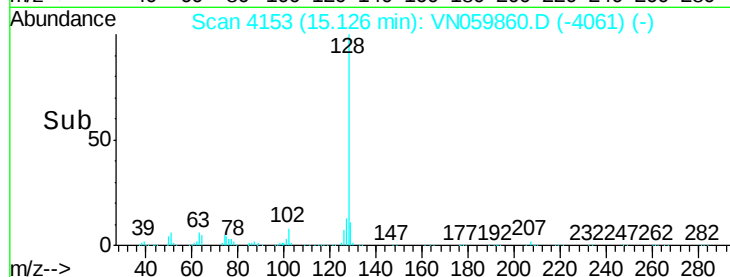
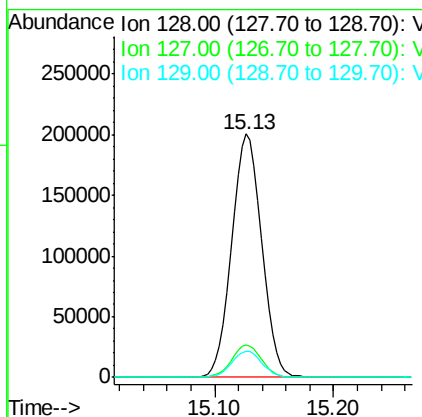
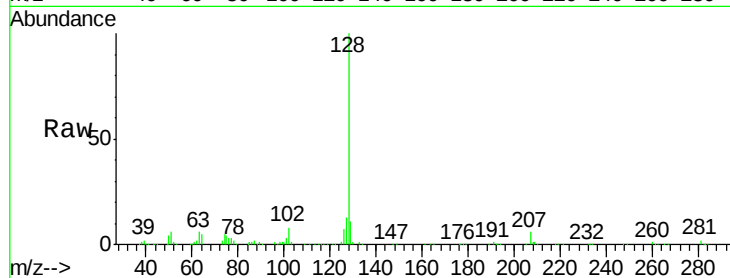
#95
Naphthalene
Concen: 51.297 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/27/2020 11:16:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.477 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059860.D
Acq: 24 Jan 2020 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.3
145	31.7	16.3	48.9

