

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059805.D
 Acq On : 21 Jan 2020 12:34
 Operator : JC/MD
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 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	191818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	293380	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122766	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108871	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.56	113	91130	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.08	98	341377	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	119581	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43654	18.978	ug/l	99
3) Chloromethane	2.04	50	41473	18.885	ug/l	97
4) Vinyl Chloride	2.17	62	52085	20.729	ug/l	98
5) Bromomethane	2.54	94	31580	20.595	ug/l	95
6) Chloroethane	2.68	64	23607	19.859	ug/l	99
7) Trichlorofluoromethane	3.00	101	61036	20.227	ug/l	99
8) Diethyl Ether	3.38	74	21698	20.489	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35566	21.177	ug/l	91
10) Methyl Iodide	3.93	142	52975	19.514	ug/l	95
11) Tert butyl alcohol	4.73	59	36562	101.956	ug/l #	90
12) 1,1-Dichloroethene	3.72	96	34542	19.683	ug/l	87
13) Acrolein	3.57	56	17416	68.608	ug/l	96
14) Allyl chloride	4.29	41	46967	19.856	ug/l #	85
15) Acrylonitrile	4.94	53	84361	103.130	ug/l	99
16) Acetone	3.78	43	76628	99.440	ug/l	96
17) Carbon Disulfide	4.03	76	90988	18.200	ug/l	99
18) Methyl Acetate	4.29	43	51386	20.652	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	118685	20.742	ug/l	95
20) Methylene Chloride	4.52	84	40258	20.115	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	37447	20.074	ug/l	83
22) Diisopropyl ether	5.91	45	106973	19.956	ug/l #	93
23) Vinyl Acetate	5.86	43	417442	100.580	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	64922	19.821	ug/l	97
25) 2-Butanone	6.80	43	110328	91.459	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	62109	19.724	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	43999	20.506	ug/l	88
28) Bromochloromethane	7.17	49	26814	20.482	ug/l #	71
29) Tetrahydrofuran	7.18	42	73069	97.899	ug/l #	87
30) Chloroform	7.35	83	69107	20.363	ug/l	97
31) Cyclohexane	7.63	56	57625	18.283	ug/l	87
32) 1,1,1-Trichloroethane	7.55	97	63118	20.115	ug/l	96
36) 1,1-Dichloropropene	7.77	75	49984	19.564	ug/l	96
37) Ethyl Acetate	6.89	43	48314	20.162	ug/l	97
38) Carbon Tetrachloride	7.75	117	55966	20.138	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059805.D
 Acq On : 21 Jan 2020 12:34
 Operator : JC/MD
 Sample : VN0121WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 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	60304	19.143	ug/l	94
40) Benzene	8.02	78	152272	19.984	ug/l	100
41) Methacrylonitrile	7.14	41	17074m	14.466	ug/l	
42) 1,2-Dichloroethane	8.10	62	53981	20.895	ug/l	96
43) Isopropyl Acetate	8.14	43	80288	19.480	ug/l #	93
44) Trichloroethene	8.82	130	44784	21.530	ug/l	93
45) 1,2-Dichloropropane	9.10	63	38873	20.617	ug/l	99
46) Dibromomethane	9.19	93	27857	20.945	ug/l	91
47) Bromodichloromethane	9.39	83	56474	21.071	ug/l	98
48) Methyl methacrylate	9.18	41	34892	18.926	ug/l	89
49) 1,4-Dioxane	9.18	88	14871	440.628	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	232385	97.535	ug/l	94
52) Toluene	10.14	92	97748	20.310	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60759	20.303	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65276	20.730	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	39843	20.902	ug/l	97
56) Ethyl methacrylate	10.42	69	56734	19.479	ug/l	93
57) 1,3-Dichloropropane	10.70	76	64415	21.285	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	92549	105.494	ug/l	91
59) 2-Hexanone	10.74	43	167110	95.205	ug/l	93
60) Dibromochloromethane	10.89	129	46761	21.542	ug/l	98
61) 1,2-Dibromoethane	10.99	107	41186	20.615	ug/l	99
64) Tetrachloroethene	10.62	164	43594	20.212	ug/l	93
65) Chlorobenzene	11.43	112	107717	20.708	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42250	21.021	ug/l	98
67) Ethyl Benzene	11.50	91	188689	19.983	ug/l	97
68) m/p-Xylenes	11.62	106	144188	40.424	ug/l	93
69) o-Xylene	11.94	106	70502	20.190	ug/l	92
70) Styrene	11.96	104	114563	19.606	ug/l	96
71) Bromoform	12.12	173	33891	21.051	ug/l #	99
73) Isopropylbenzene	12.25	105	185045	20.552	ug/l	100
74) N-amyl acetate	12.06	43	65469	18.739	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	53055	20.327	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	49003m	23.718	ug/l	
77) Bromobenzene	12.52	156	47625	20.888	ug/l	82
78) n-propylbenzene	12.59	91	205690	20.354	ug/l	96
79) 2-Chlorotoluene	12.67	91	122535	20.382	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	156126	20.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18700	19.437	ug/l	94
82) 4-Chlorotoluene	12.77	91	123253	20.440	ug/l	94
83) tert-Butylbenzene	12.99	119	133896	20.446	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	155159	20.712	ug/l	97
85) sec-Butylbenzene	13.17	105	175028	20.342	ug/l	100
86) p-Isopropyltoluene	13.28	119	160825	20.201	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	83553	21.096	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	81949	20.741	ug/l	96
89) n-Butylbenzene	13.61	91	134954	19.881	ug/l	99
90) Hexachloroethane	13.87	117	28962	19.443	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	81961	20.933	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11600	19.429	ug/l	83

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
Data File : VN059805.D
Acq On : 21 Jan 2020 12:34
Operator : JC/MD
Sample : VN0121WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 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	14.91	180	48835	20.757	ug/l	98
94) Hexachlorobutadiene	15.01	225	26611	20.525	ug/l	99
95) Naphthalene	15.13	128	130232	19.461	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47478	20.732	ug/l	98

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

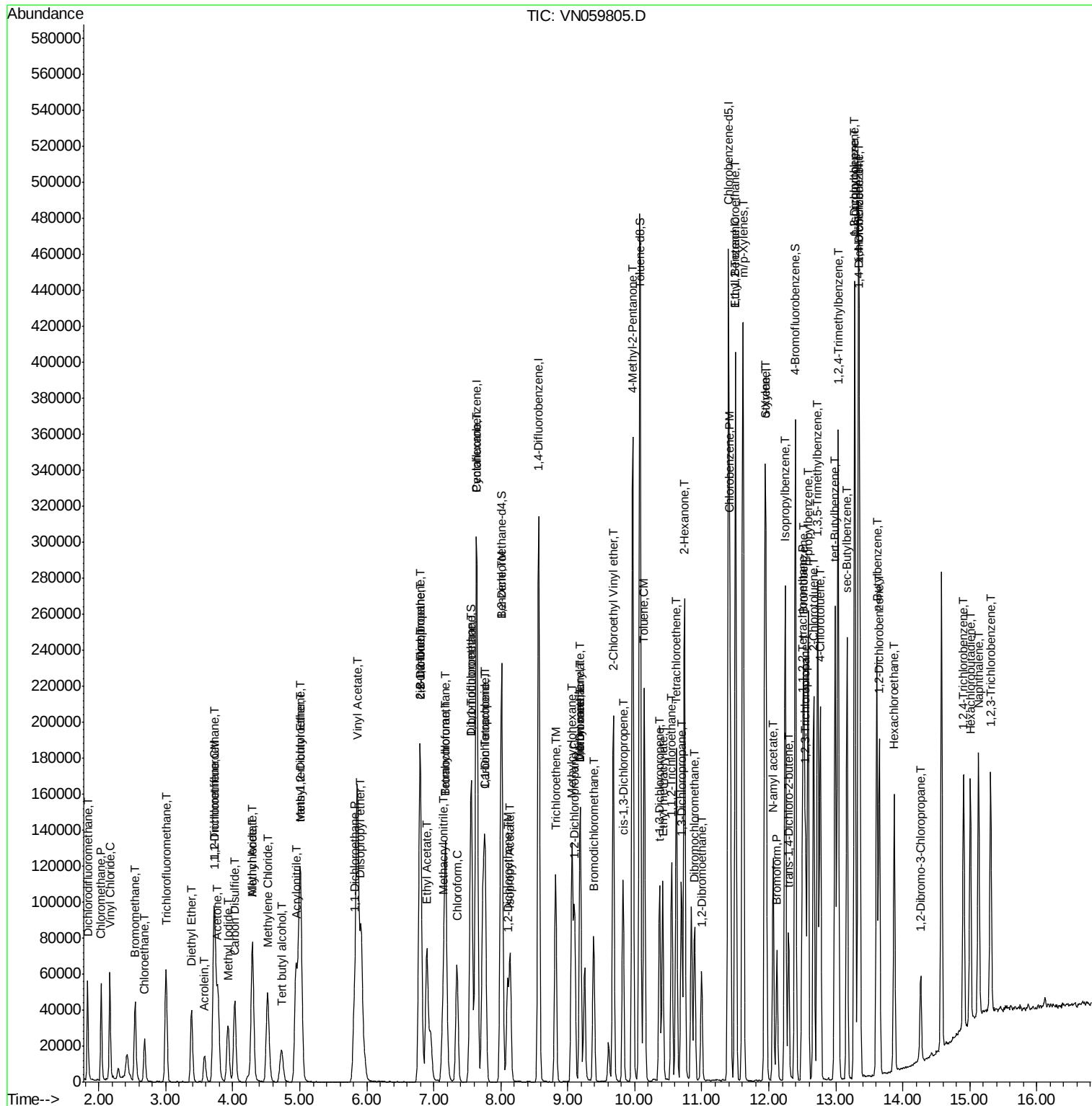
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
Data File : VN059805.D
Acq On : 21 Jan 2020 12:34
Operator : JC/MD
Sample : VN0121WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM

Quant Time: Jan 22 03:13:43 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion:168 Resp: 191818

Ion Ratio Lower Upper

168 100

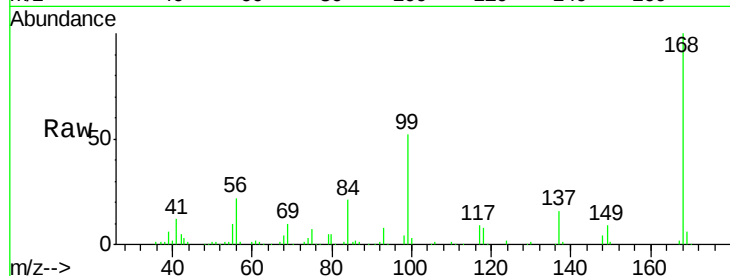
99 51.9 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

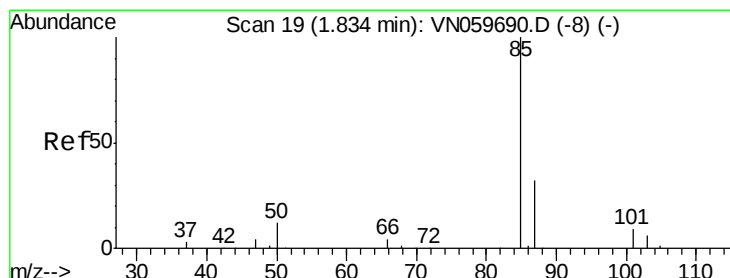
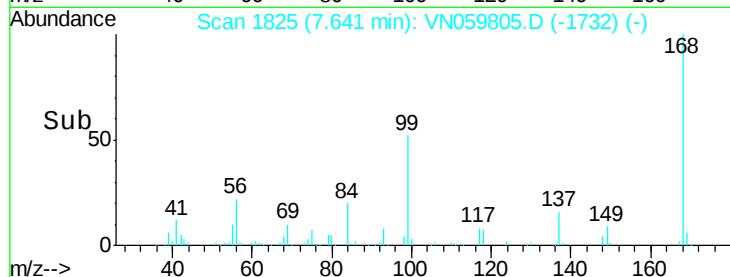
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.978 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059805.D

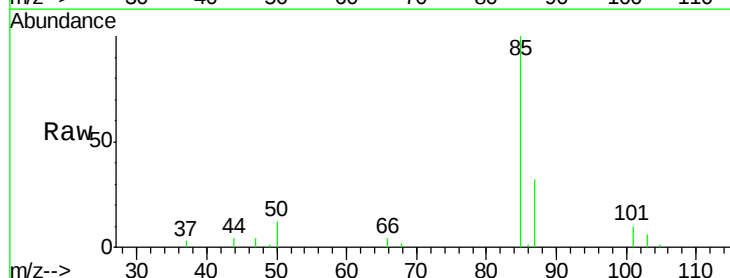
Acq: 21 Jan 2020 12:34

Tgt Ion: 85 Resp: 43654

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

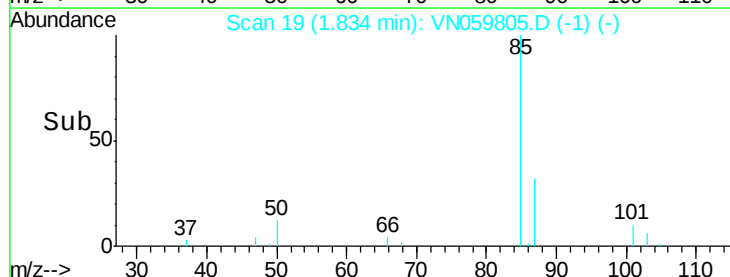
20000

10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.885 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 50 Resp: 41473

Ion Ratio Lower Upper

50 100

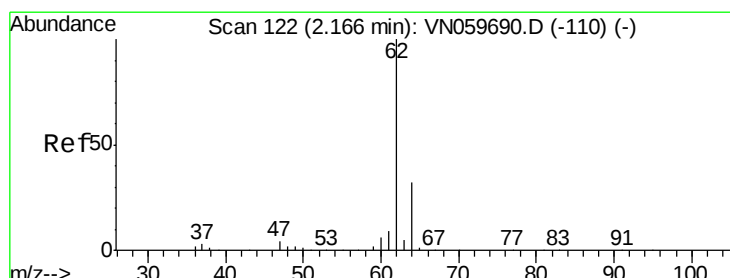
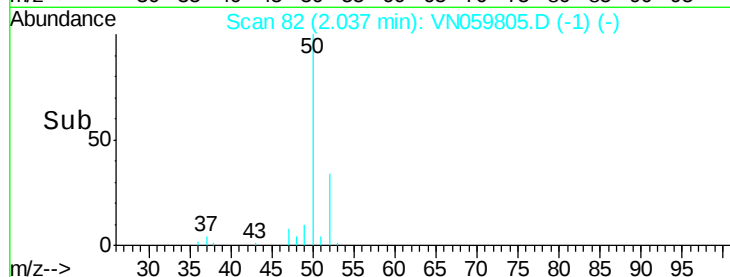
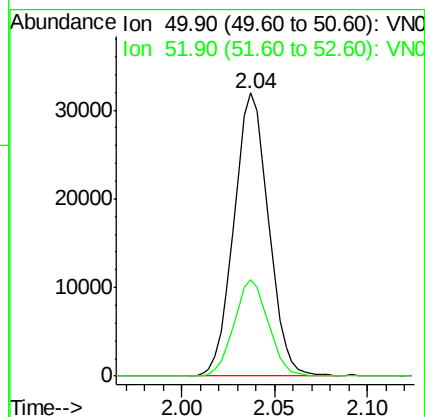
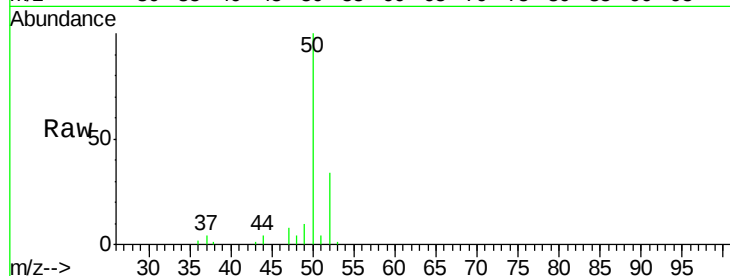
52 34.0 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



#4

Vinyl Chloride

Concen: 20.729 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059805.D

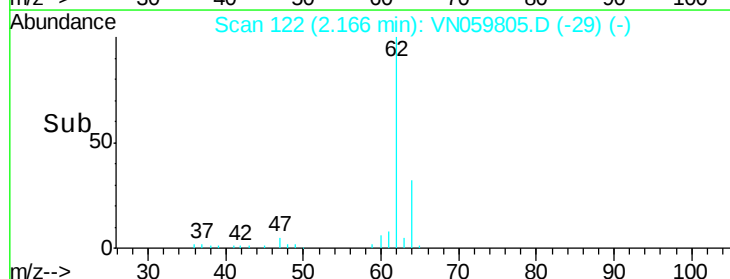
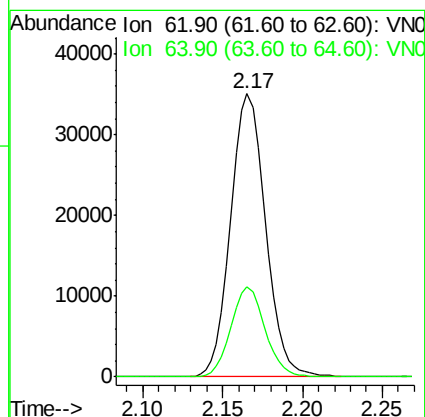
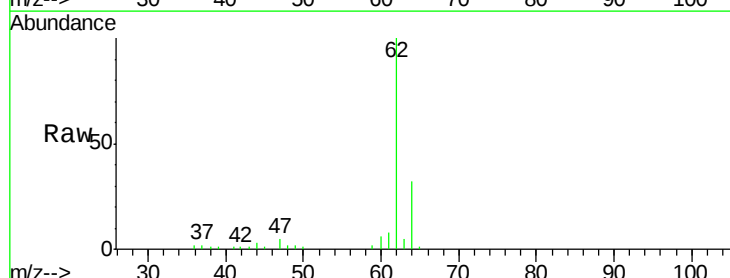
Acq: 21 Jan 2020 12:34

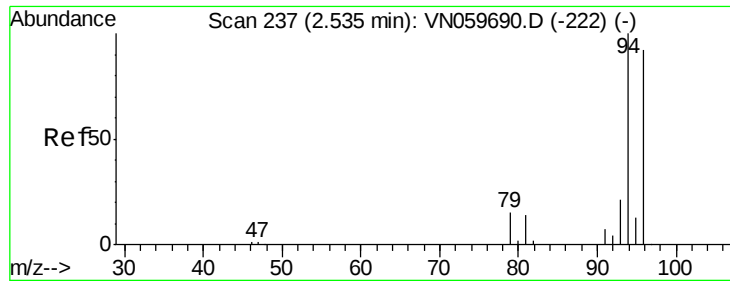
Tgt Ion: 62 Resp: 52085

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0





#5

Bromomethane

Concen: 20.595 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 94 Resp: 31580

Ion Ratio Lower Upper

94 100

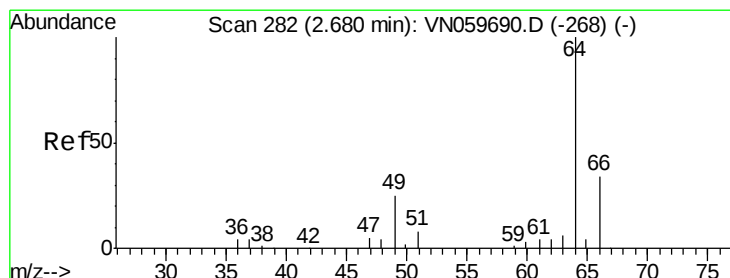
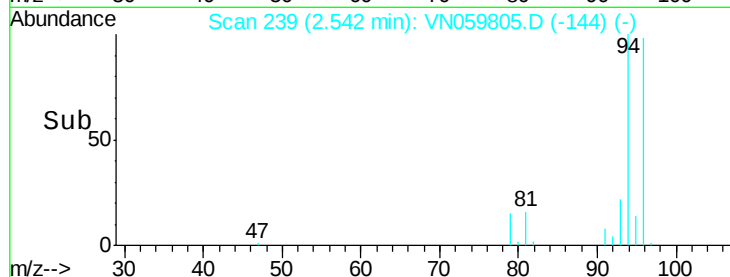
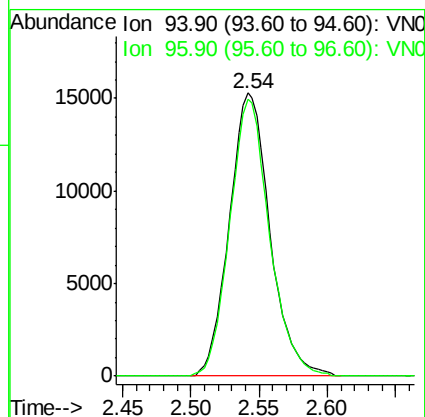
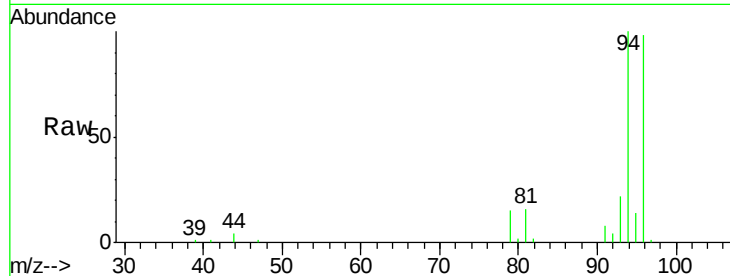
96 97.8 74.7 112.1

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



#6

Chloroethane

Concen: 19.859 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059805.D

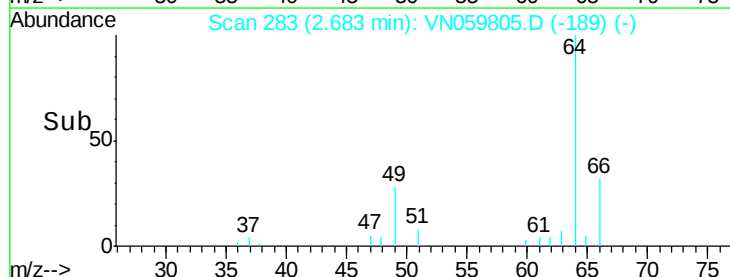
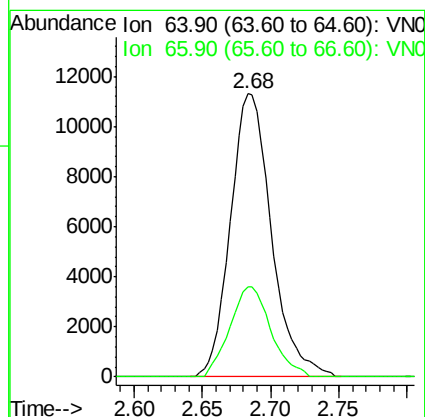
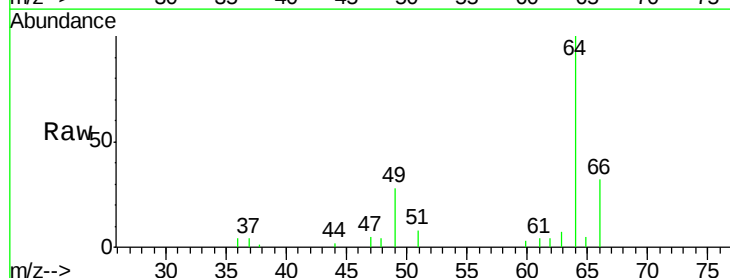
Acq: 21 Jan 2020 12:34

Tgt Ion: 64 Resp: 23607

Ion Ratio Lower Upper

64 100

66 31.8 25.1 37.7





#7

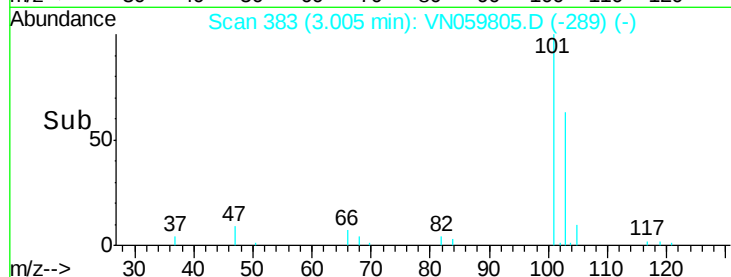
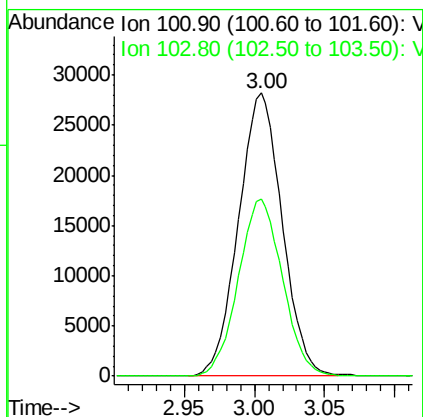
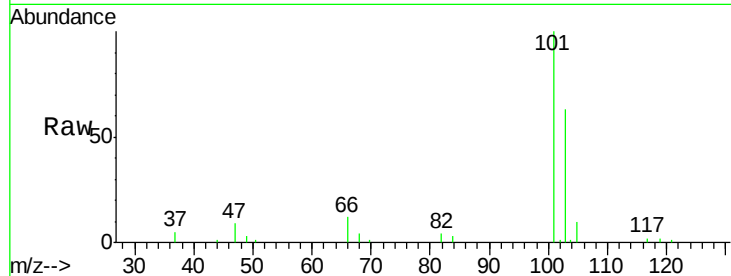
Trichlorofluoromethane
Concen: 20.227 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion:101 Resp: 61036
Ion Ratio Lower Upper
101 100
103 62.8 51.0 76.6

Manual Integrations
APPROVED

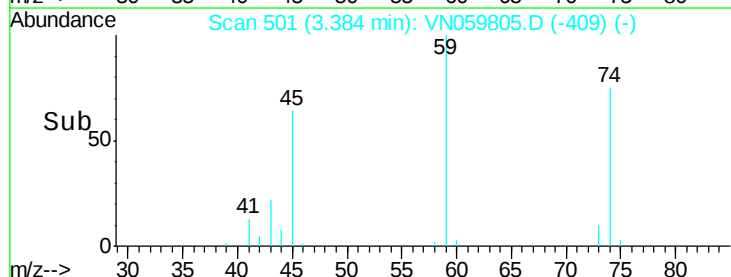
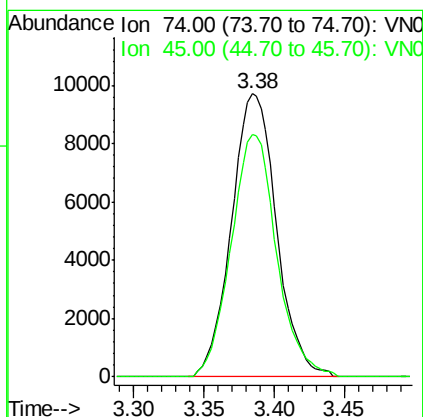
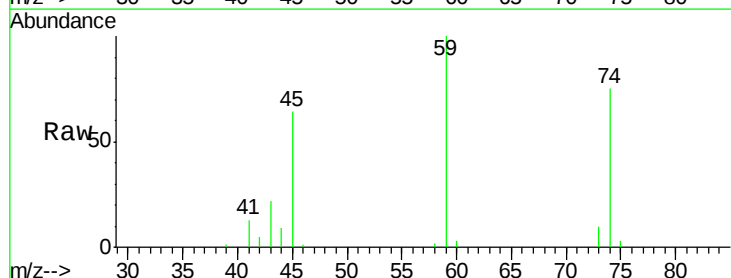
MMDadoda
1/22/2020 11:14:54 AM



#8

Diethyl Ether
Concen: 20.489 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion: 74 Resp: 21698
Ion Ratio Lower Upper
74 100
45 86.5 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.177 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

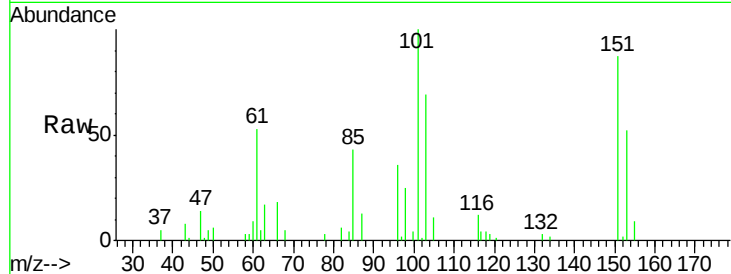
ClientSampleId :

VN0121WBSD01

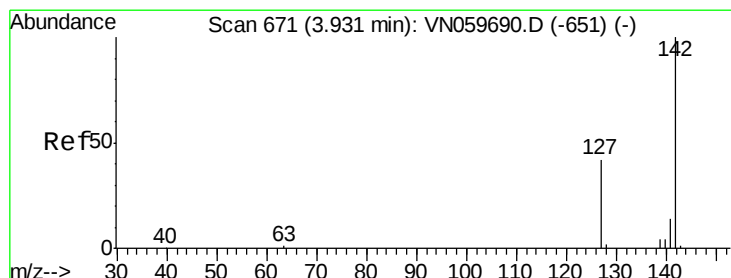
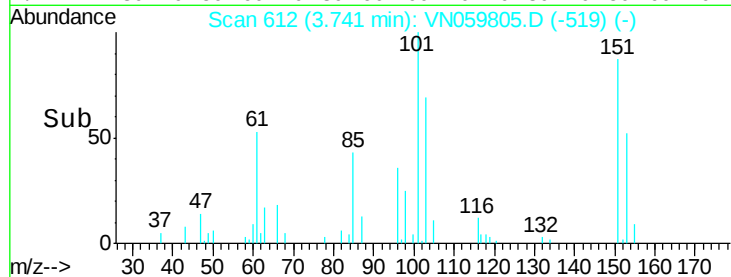
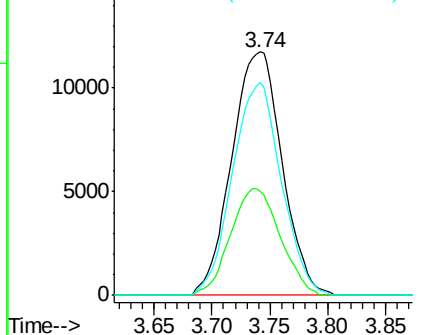
Tot Ion:	101	Resp:	35566
Ion Ratio	Lower	Upper	
101	100		
85	43.0	36.6	54.8
151	84.5	59.7	89.5

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.514 ug/l

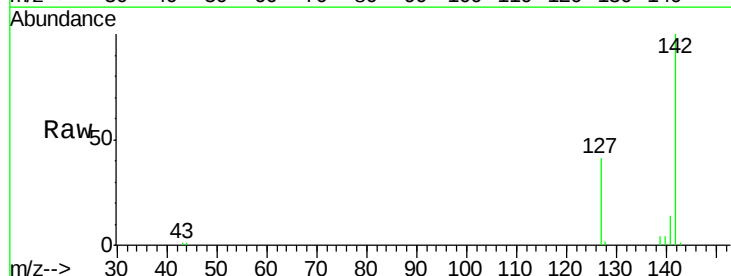
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

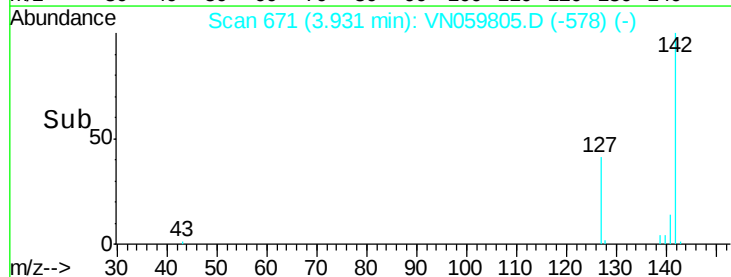
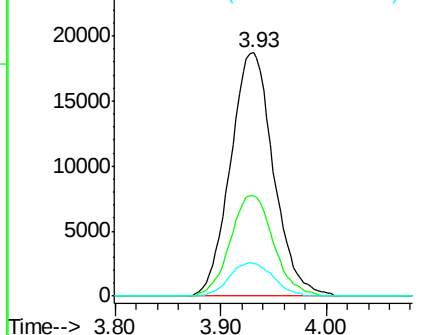
Lab File: VN059805.D

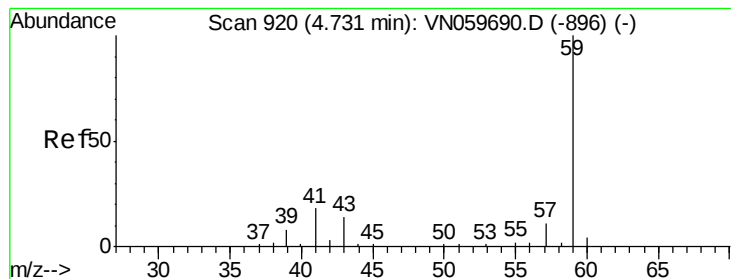
Acq: 21 Jan 2020 12:34

Tgt Ion:	142	Resp:	52975
Ion Ratio	Lower	Upper	
142	100		
127	41.6	36.7	55.1
141	13.8	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

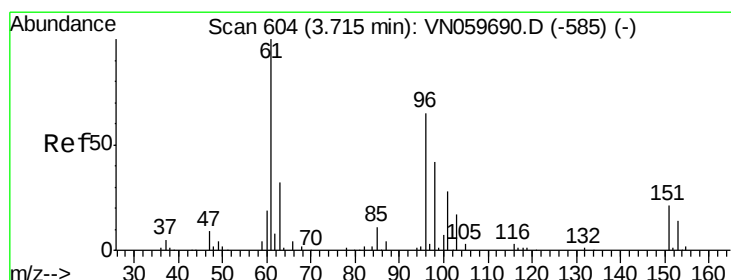
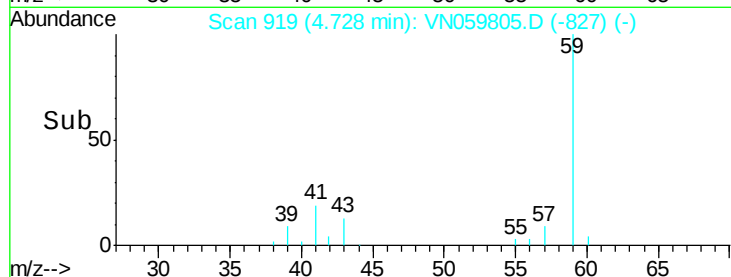
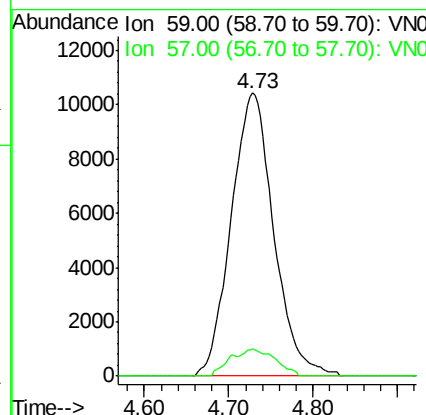
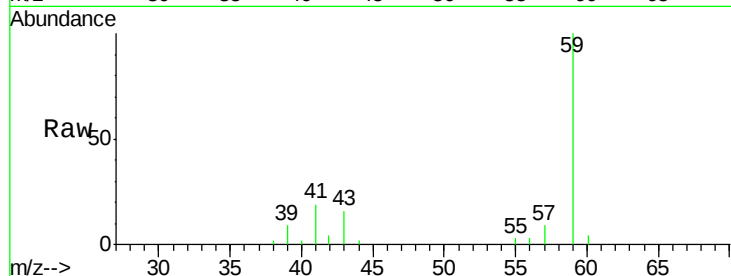
Tert butyl alcohol
 Concen: 101.956 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.6	12.8#

Manual Integrations
 APPROVED

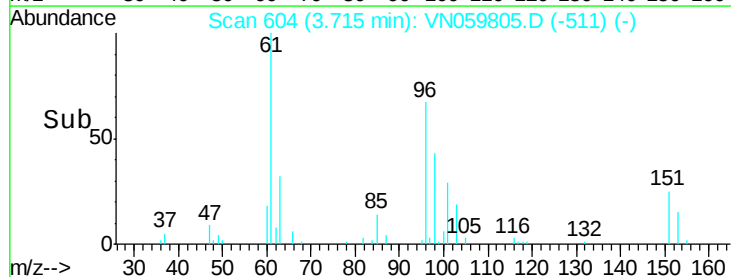
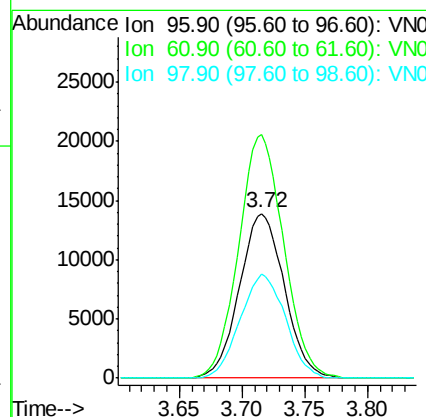
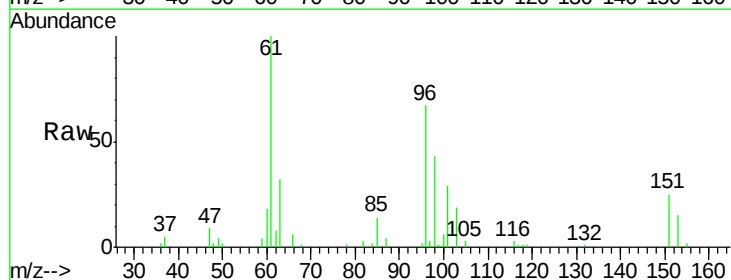
MMDadoda
 1/22/2020 11:14:54 AM



#12

1,1-Dichloroethene
 Concen: 19.683 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.2	137.5	206.3
98	63.1	50.2	75.4





#13

Acrolein

Concen: 68.608 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 56 Resp: 17416

Ion Ratio Lower Upper

56 100

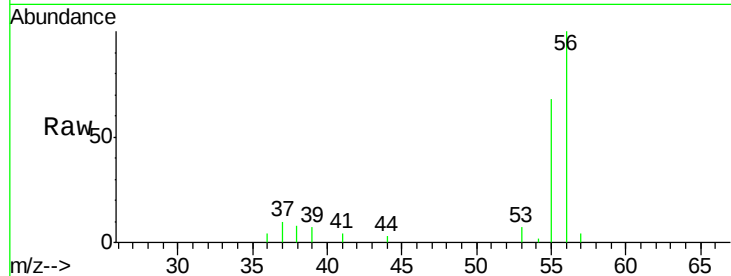
55 69.5 58.6 88.0

Manual Integrations

APPROVED

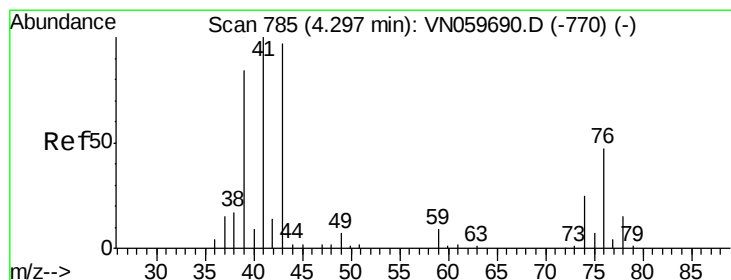
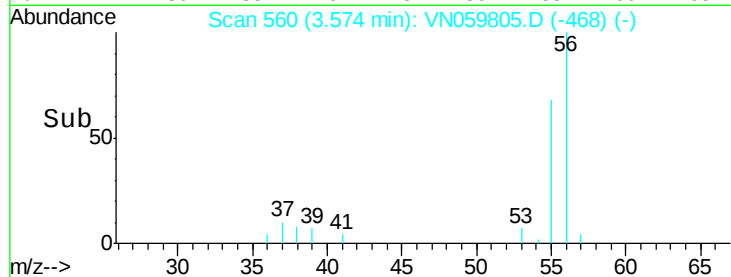
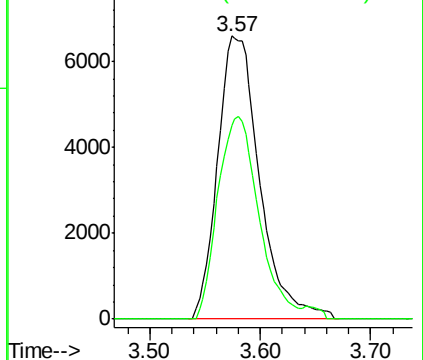
MMDadoda

1/22/2020 11:14:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.856 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

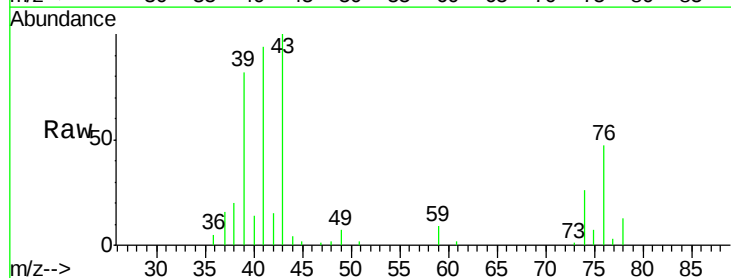
Tgt Ion: 41 Resp: 46967

Ion Ratio Lower Upper

41 100

39 81.8 57.8 86.8

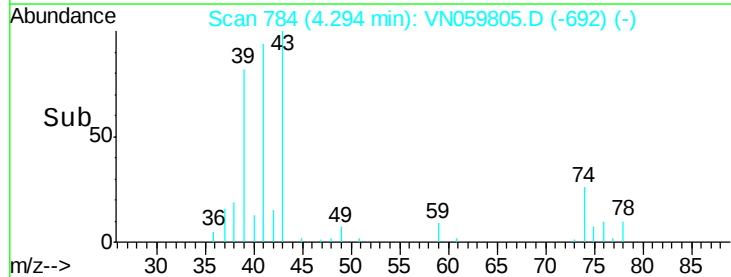
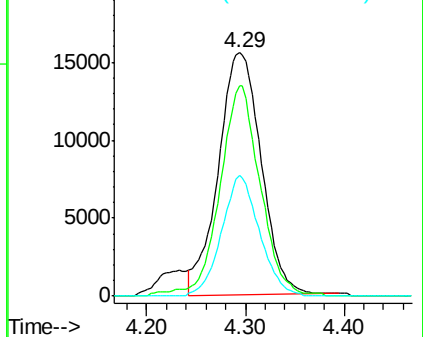
76 44.0 25.4 38.0#

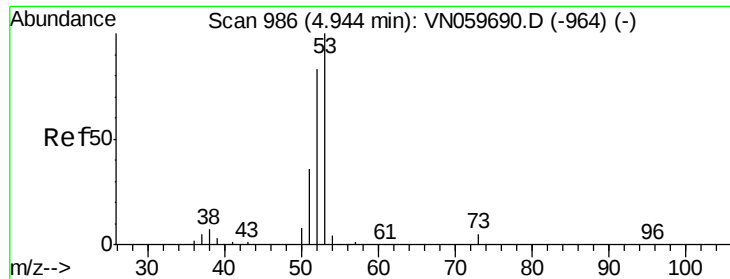


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 103.130 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

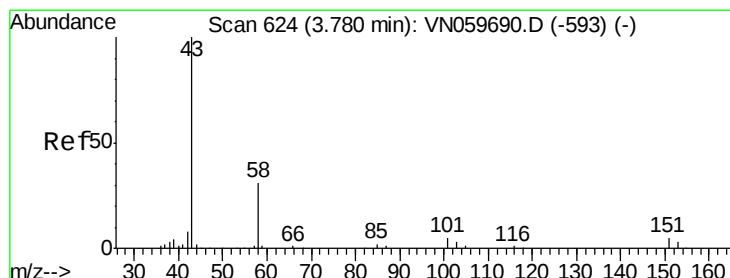
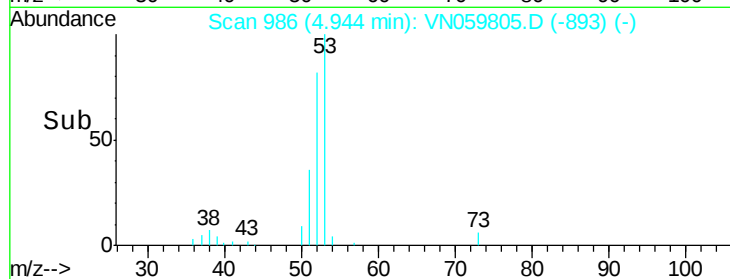
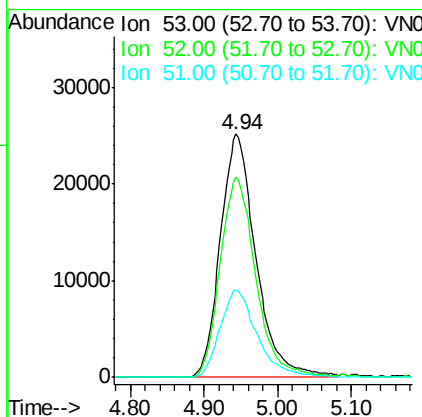
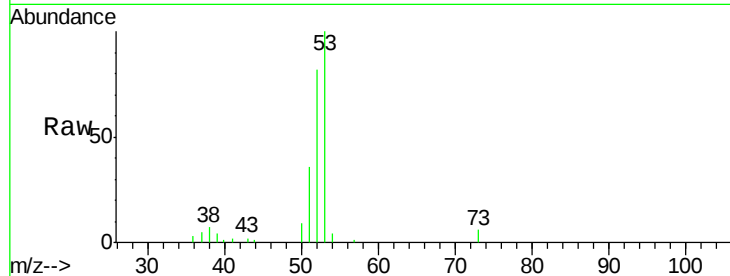
ClientSampleId :

VN0121WBSD01

Tot Ion:	53	Resp:	84361
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.3	99.5
51	37.0	29.7	44.5

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#16

Acetone

Concen: 99.440 ug/l

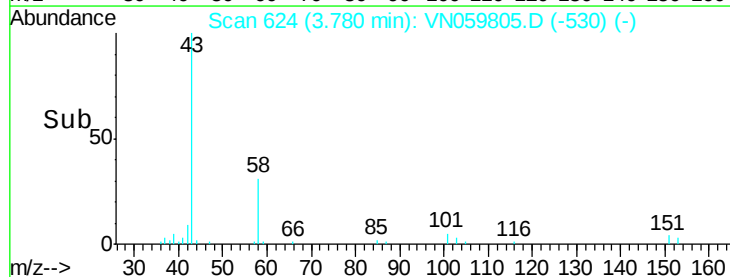
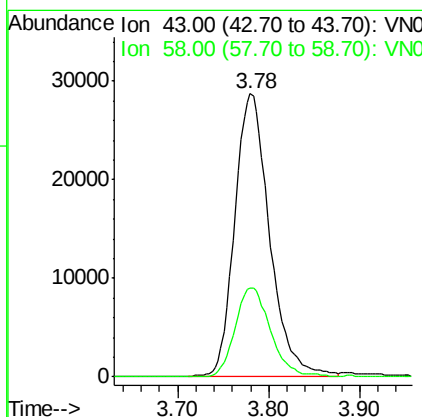
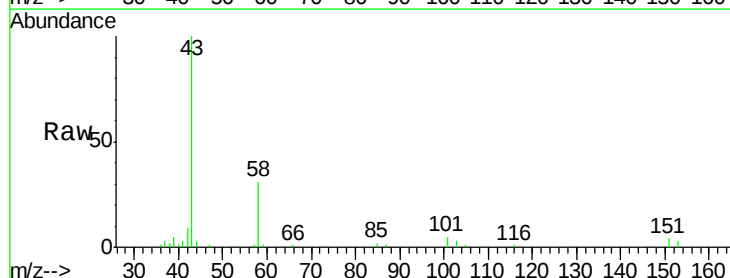
RT: 3.78 min Scan# 624

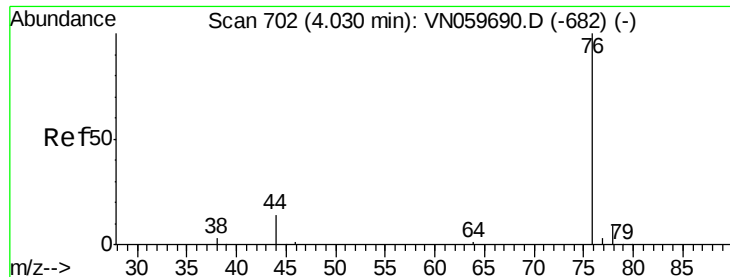
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	43	Resp:	76628
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.6	35.4





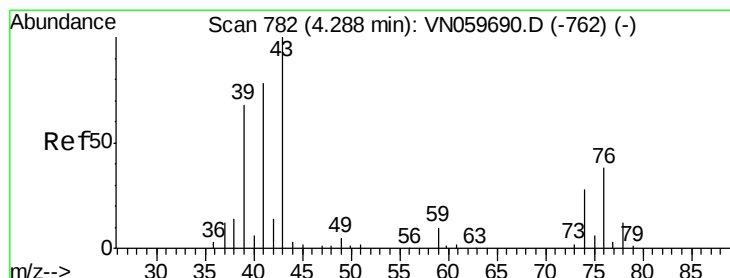
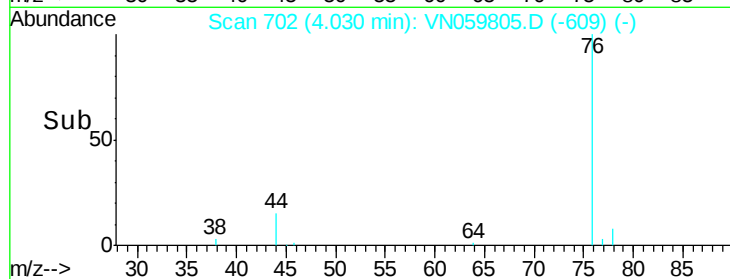
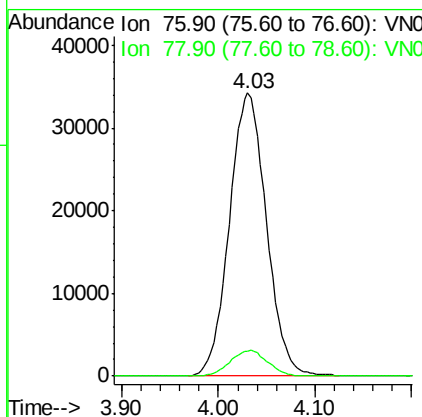
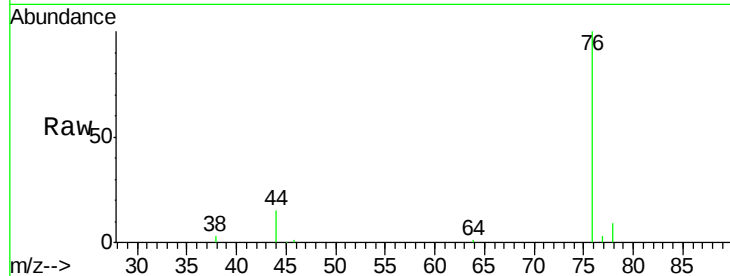
#17
Carbon Disulfide
Concen: 18.200 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

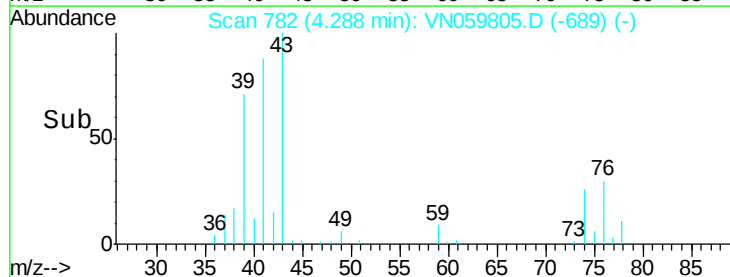
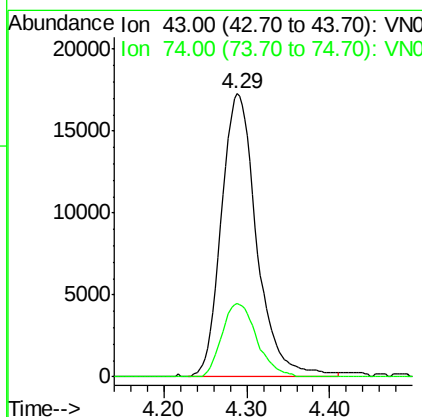
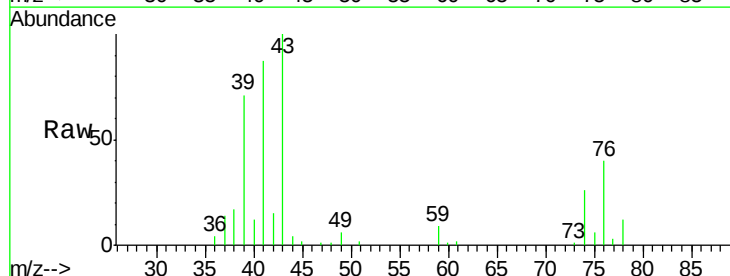
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#18
Methyl Acetate
Concen: 20.652 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	17.5	26.3





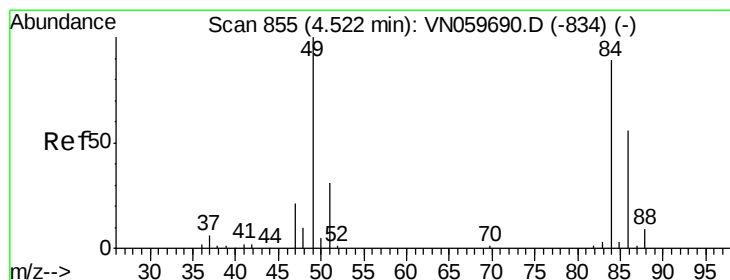
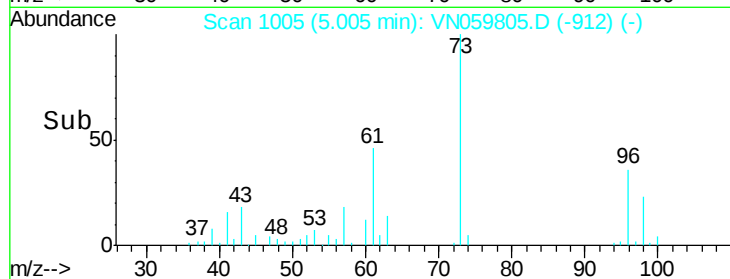
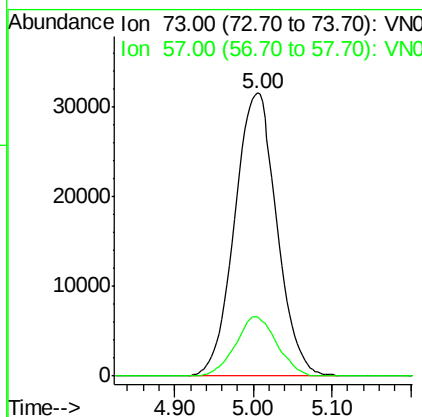
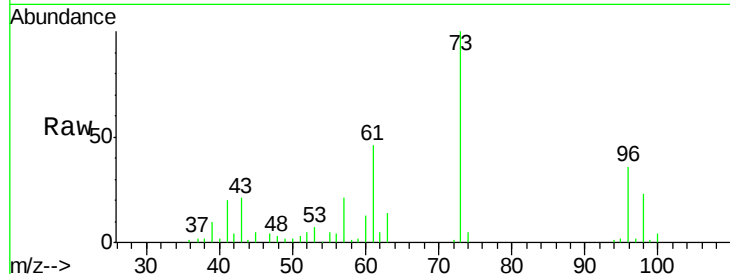
#19
Methvl tert-butvl Ether
Concen: 20.742 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion: 73 Resp: 118685
Ion Ratio Lower Upper
73 100
57 20.9 18.6 27.8

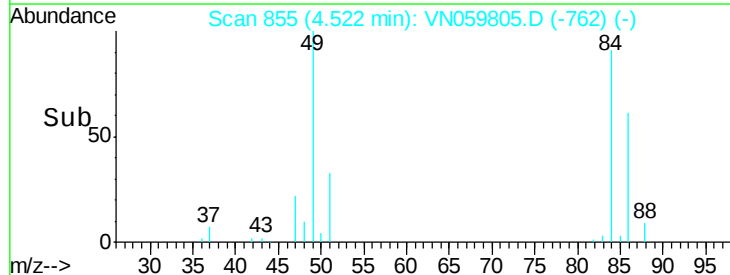
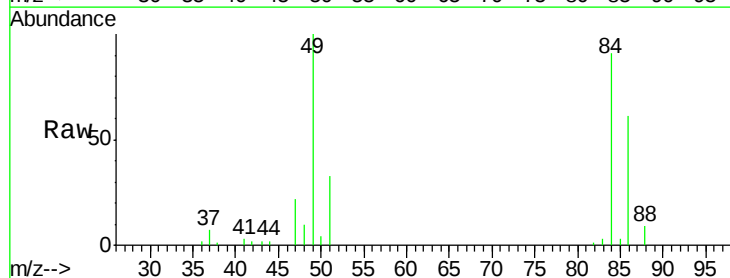
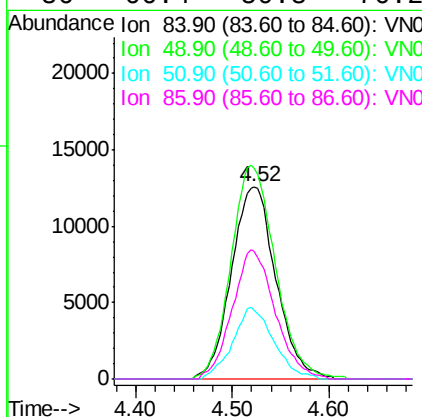
Manual Integrations
APPROVED

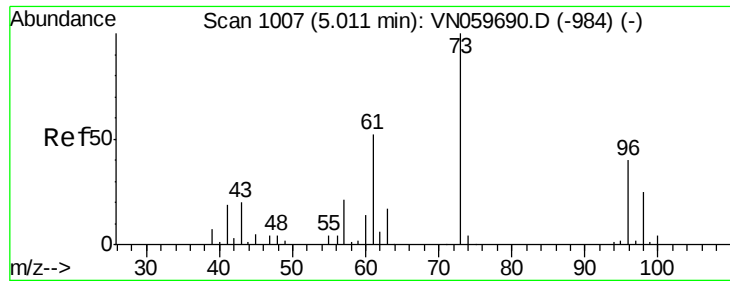
MMDadoda
1/22/2020 11:14:54 AM



#20
Methylene Chloride
Concen: 20.115 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion: 84 Resp: 40258
Ion Ratio Lower Upper
84 100
49 109.7 106.6 160.0
51 35.8 31.9 47.9
86 66.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.074 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 96 Resp: 37447

Ion Ratio Lower Upper

96 100

61 120.9 120.4 180.6

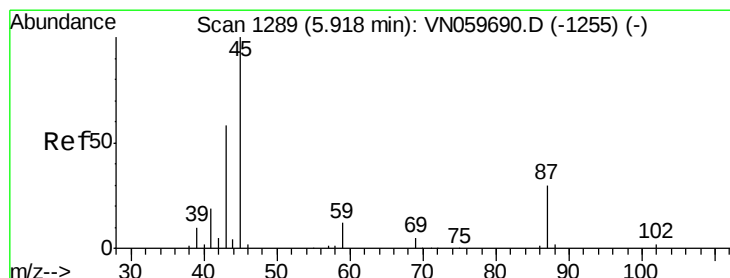
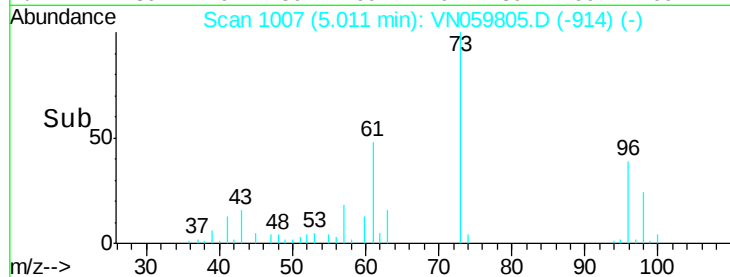
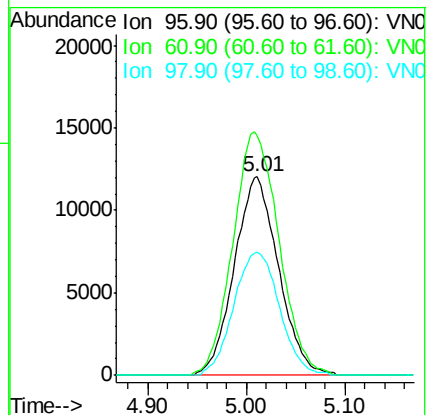
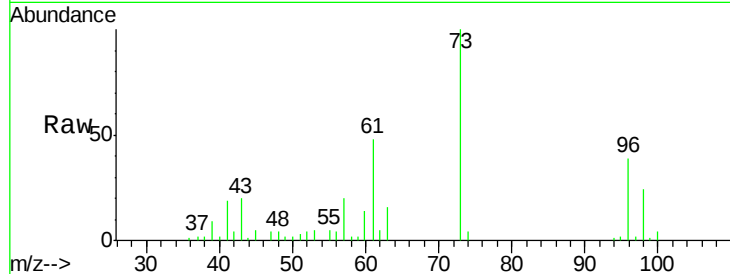
98 62.1 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



#22

Diisopropyl ether

Concen: 19.956 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion: 45 Resp: 106973

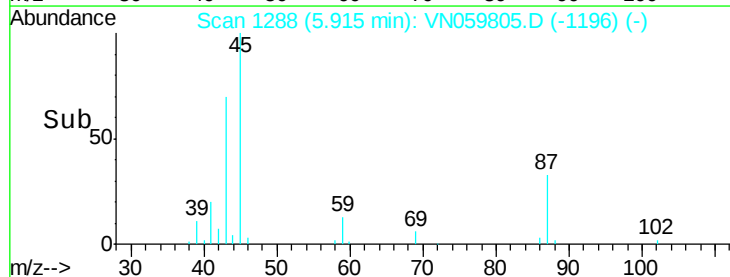
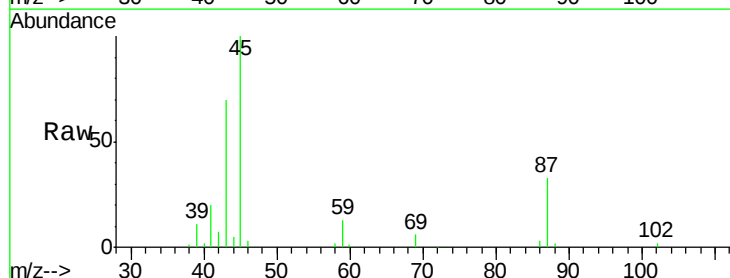
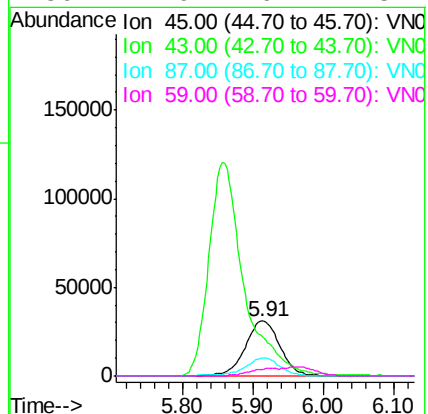
Ion Ratio Lower Upper

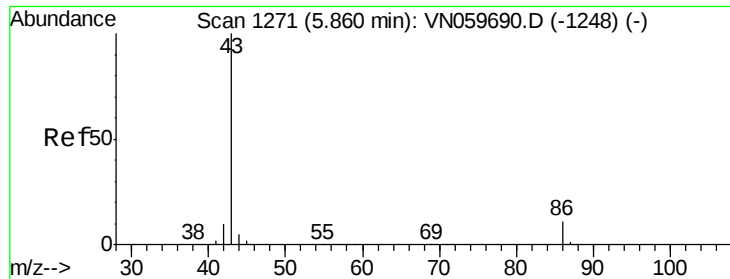
45 100

43 67.6 50.8 76.2

87 32.8 21.0 31.6#

59 12.9 9.1 13.7





#23

Vinyl Acetate

Concen: 100.580 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 43 Resp: 417442

Ion Ratio Lower Upper

43 100

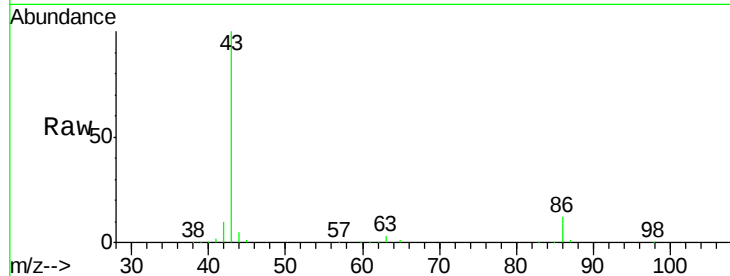
86 11.7 7.6 11.4#

Manual Integrations

APPROVED

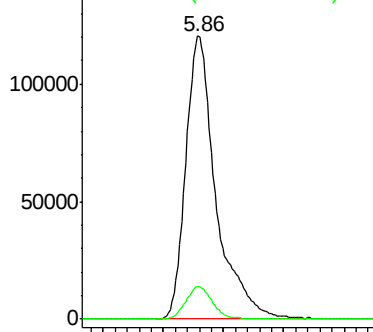
MMDadoda

1/22/2020 11:14:54 AM

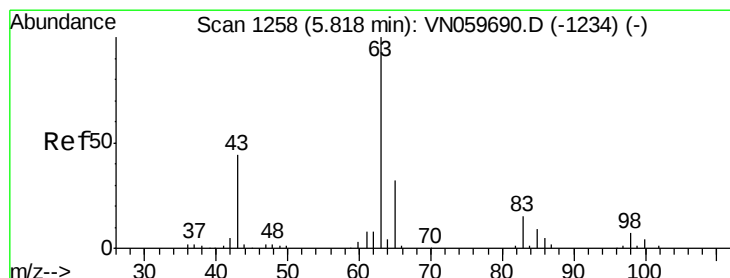
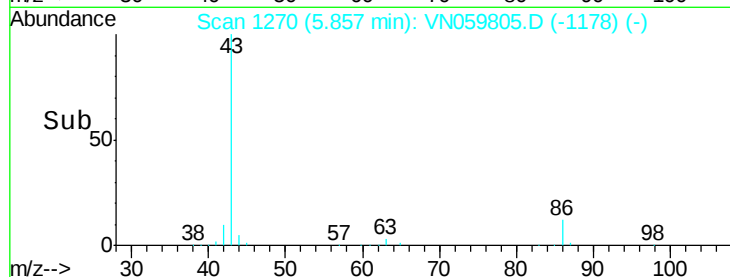


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 19.821 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

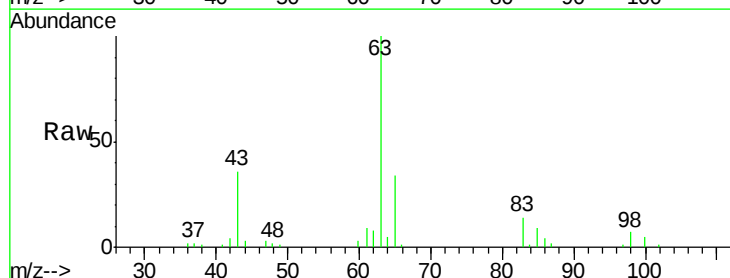
Tgt Ion: 63 Resp: 64922

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

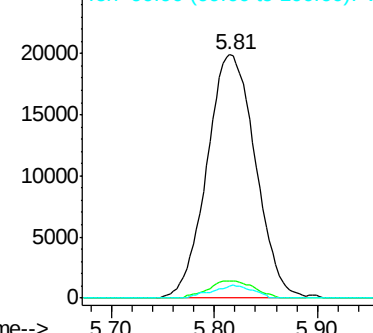
100 5.0 2.0 6.0



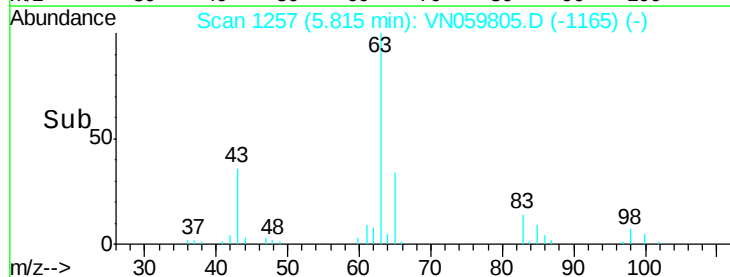
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 91.459 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 43 Resp: 110328

Ion Ratio Lower Upper

43 100

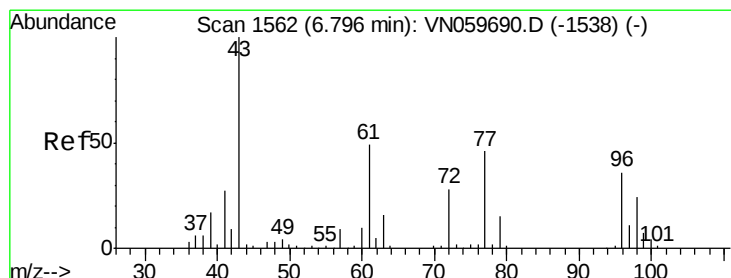
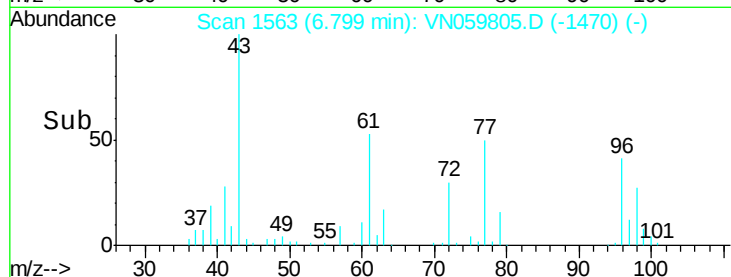
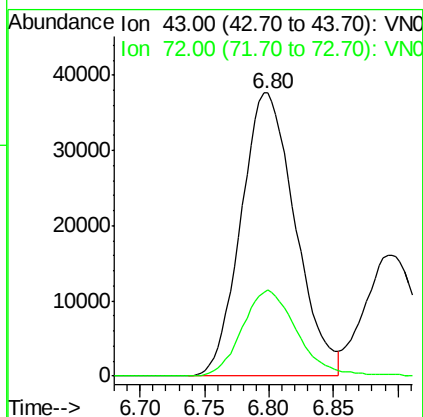
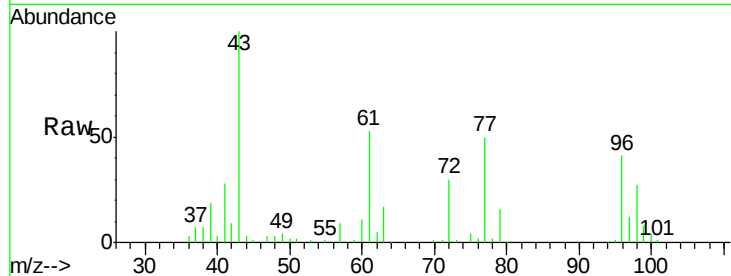
72 30.3 19.9 29.9#

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



#26

2,2-Dichloropropane

Concen: 19.724 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059805.D

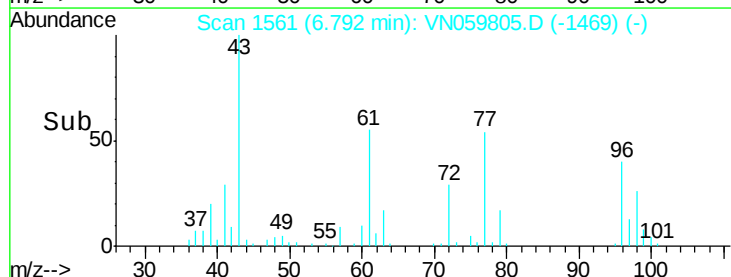
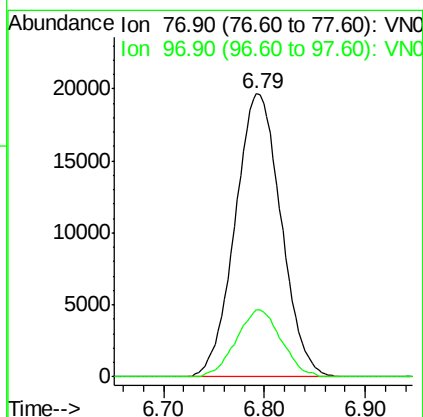
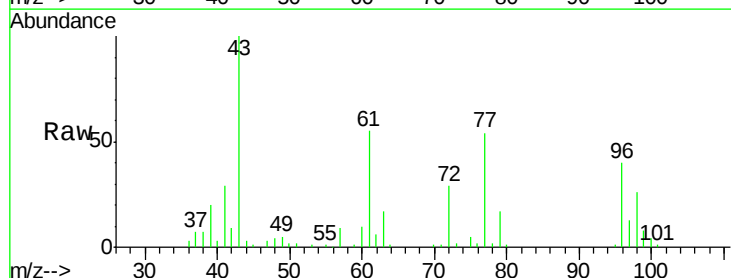
Acq: 21 Jan 2020 12:34

Tgt Ion: 77 Resp: 62109

Ion Ratio Lower Upper

77 100

97 23.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.506 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

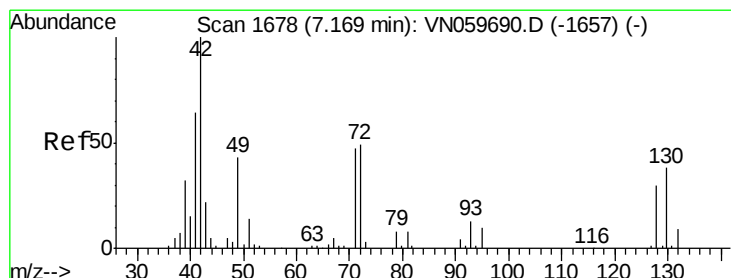
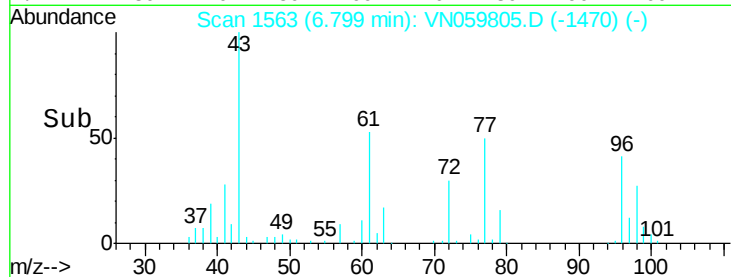
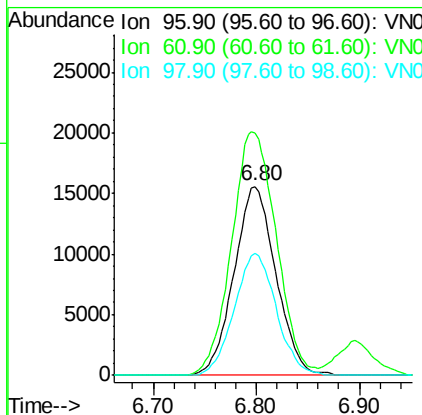
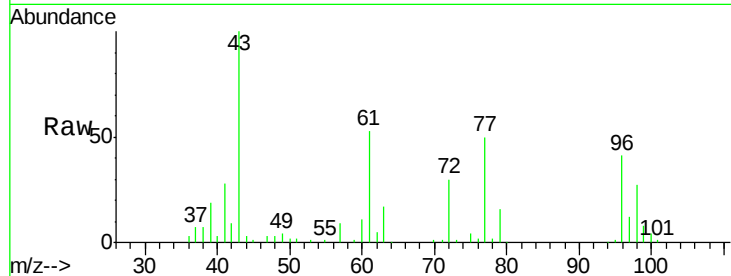
ClientSampleId :

VN0121WBSD01

Tot Ion:	96	Resp:	43999
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	317.6
98	64.6	0.0	127.0

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#28

Bromochloromethane

Concen: 20.482 ug/l

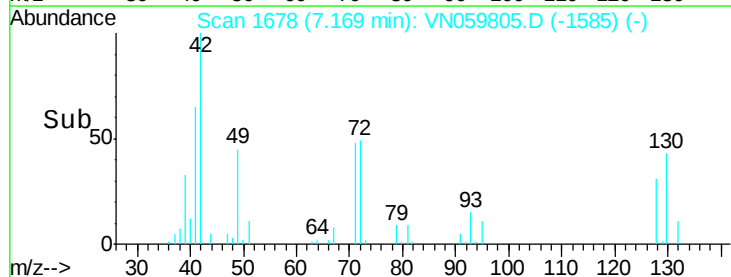
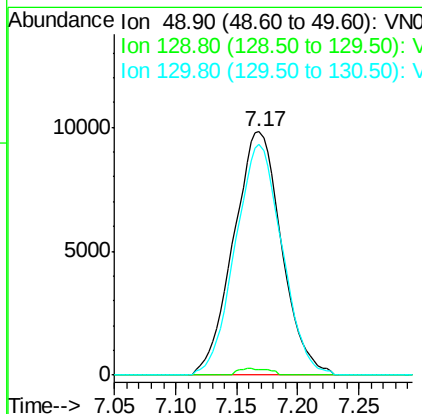
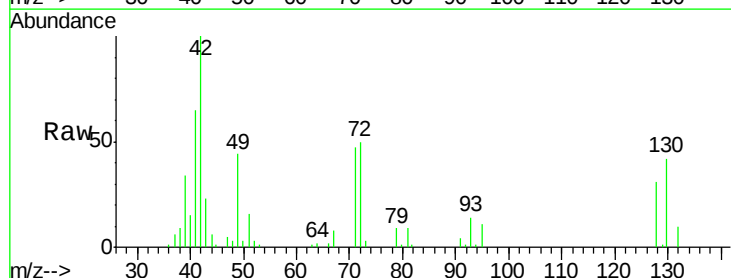
RT: 7.17 min Scan# 1678

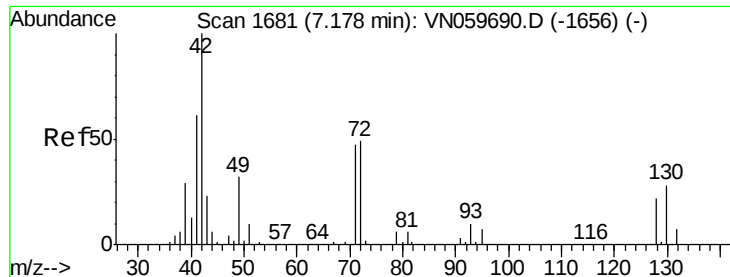
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	49	Resp:	26814
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.4
130	92.1	54.7	82.1#





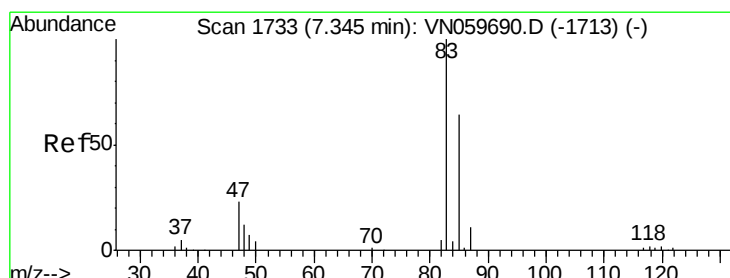
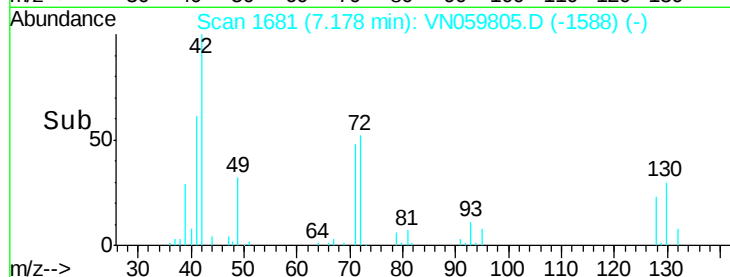
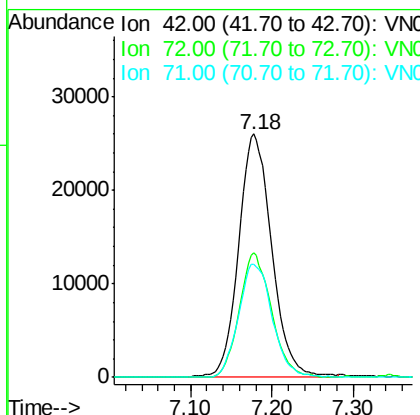
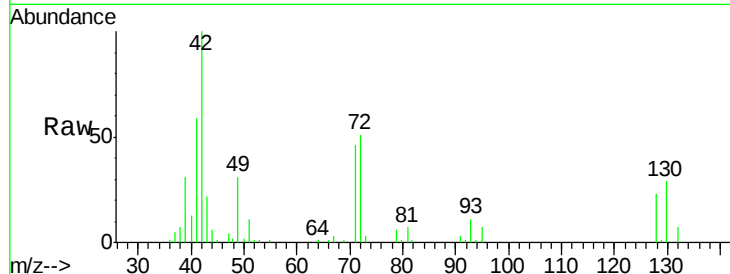
#29
Tetrahydrofuran
Concen: 97.899 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	33.1	49.7
71	47.3	31.4	47.0

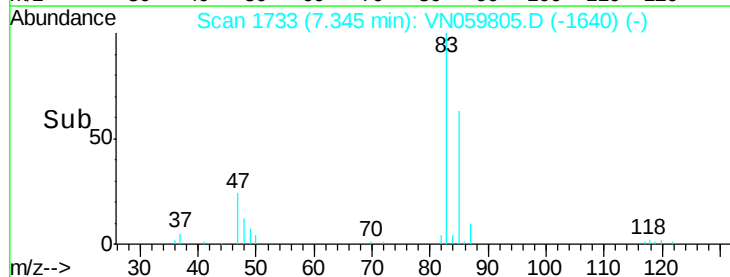
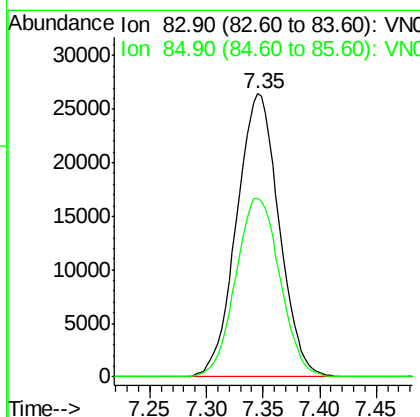
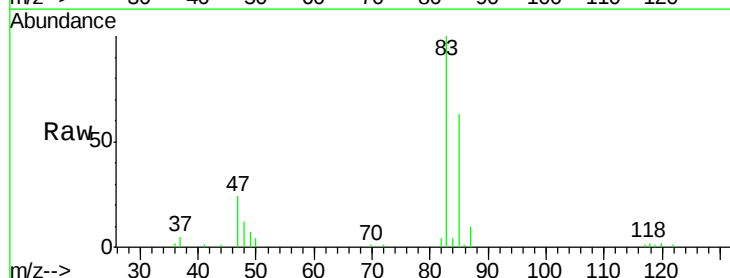
Manual Integrations
APPROVED

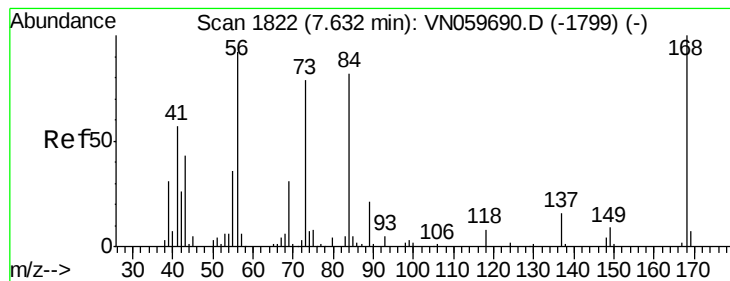
MMDadoda
1/22/2020 11:14:54 AM



#30
Chloroform
Concen: 20.363 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.4	78.6





#31

Cyclohexane

Concen: 18.283 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

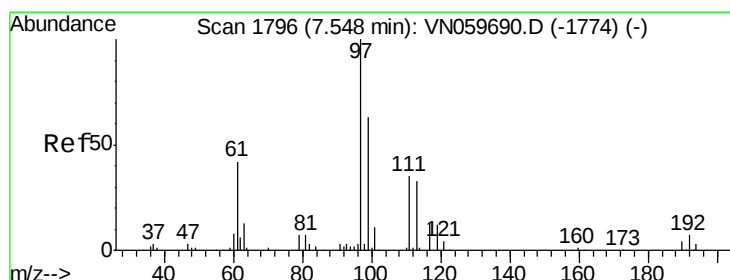
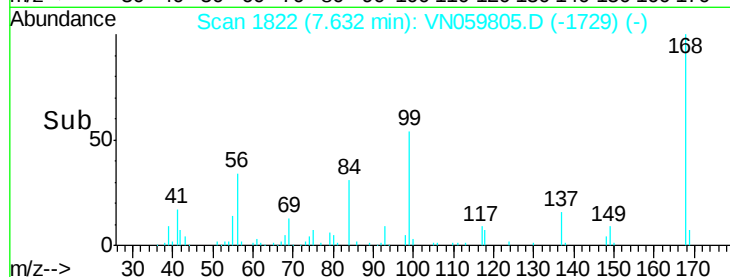
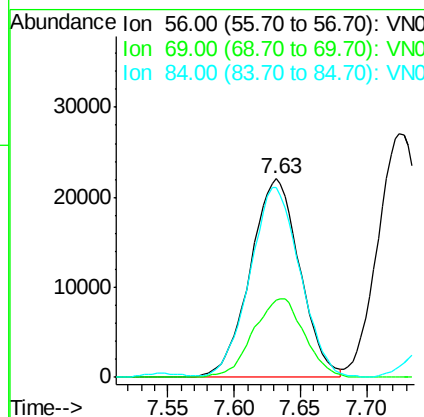
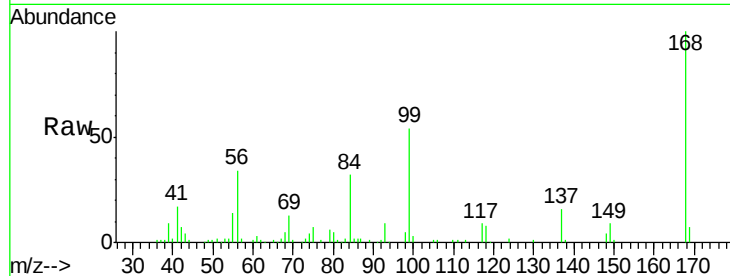
ClientSampled :

VN0121WBSD01

Tot Ion:	56	Resp:	57625
Ion Ratio	Lower	Upper	
56	100		
69	38.7	26.5	39.7
84	94.8	65.3	97.9

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#32

1,1,1-Trichloroethane

Concen: 20.115 ug/l

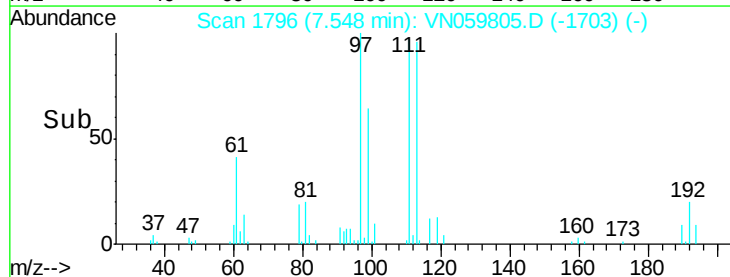
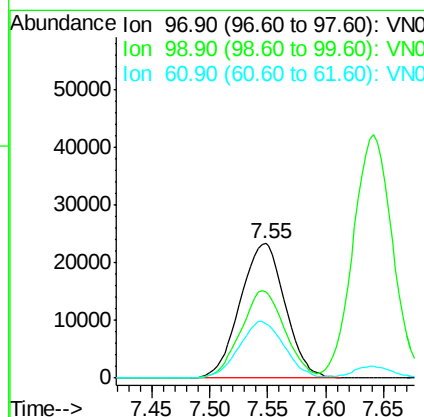
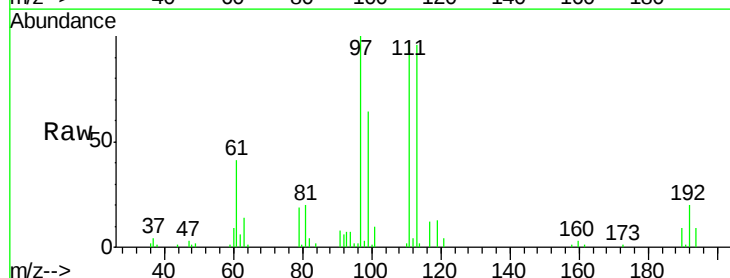
RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	97	Resp:	63118
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.0	76.4
61	42.1	38.5	57.7





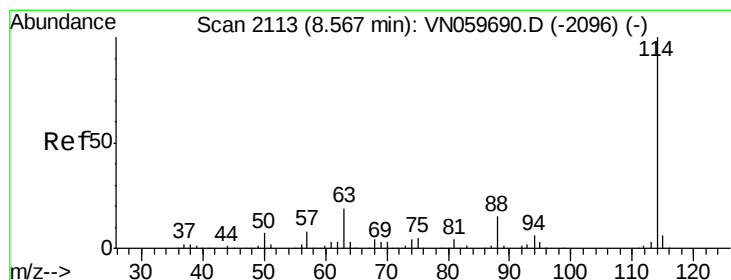
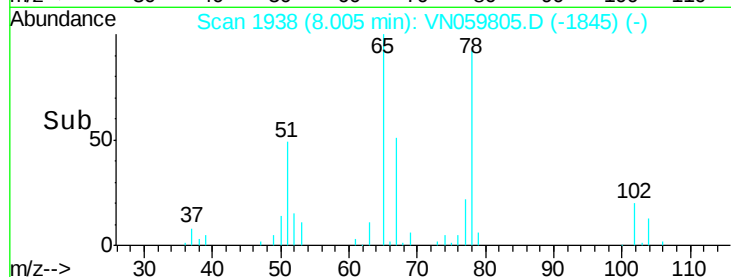
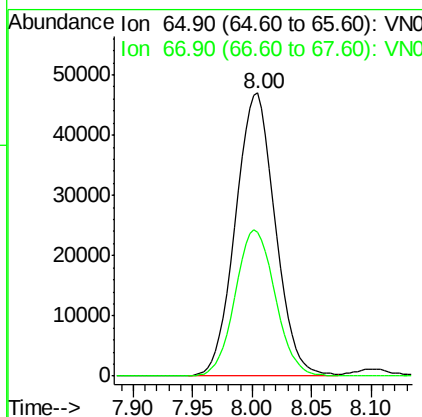
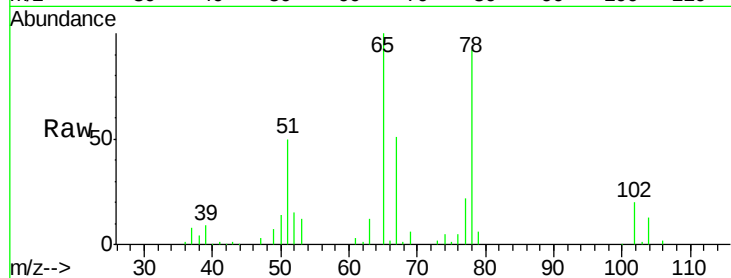
#33
 1,2-Dichloroethane-d4
 Concen: 51.109 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0121WBSD01

Tot Ion	65	Resp	108871
Ion Ratio	100	Lower	Upper
67	52.1	0.0	103.0

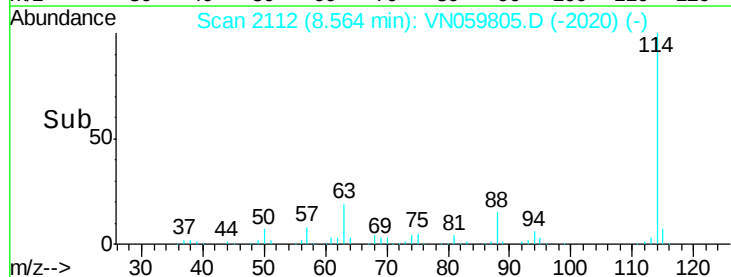
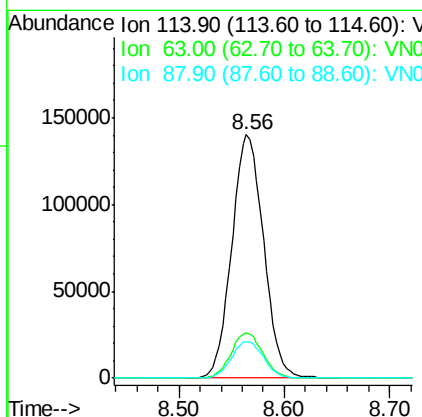
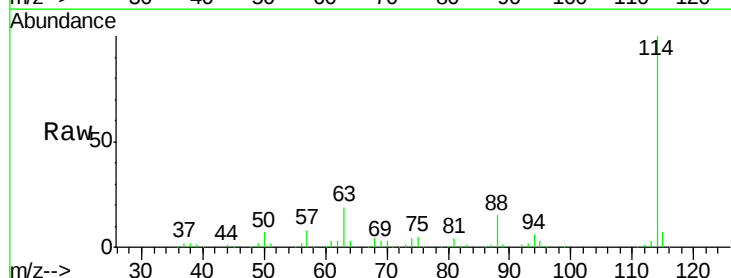
Manual Integrations
 APPROVED

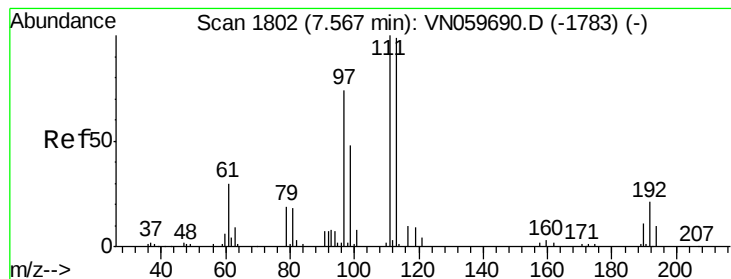
MMDadoda
 1/22/2020 11:14:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion	114	Resp	293380
Ion Ratio	100	Lower	Upper
63	18.7	0.0	43.6
88	15.1	0.0	31.4





#35

Dibromofluoromethane

Concen: 52.088 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

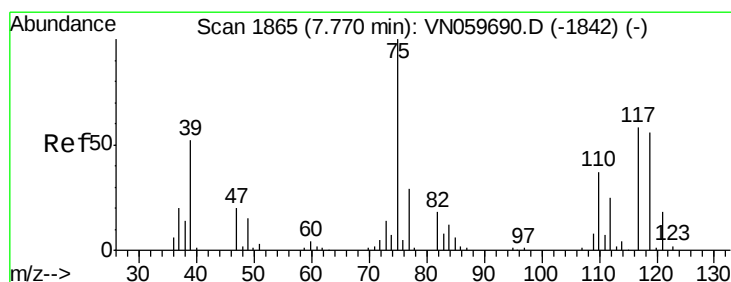
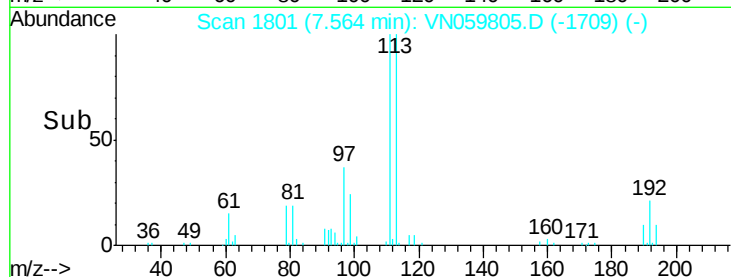
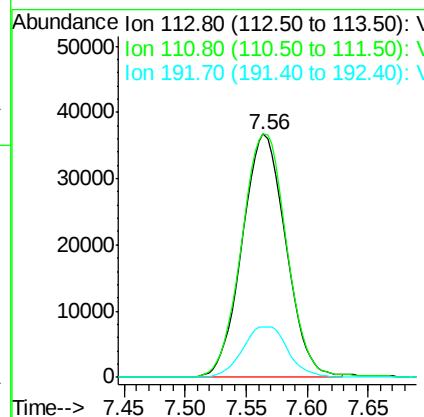
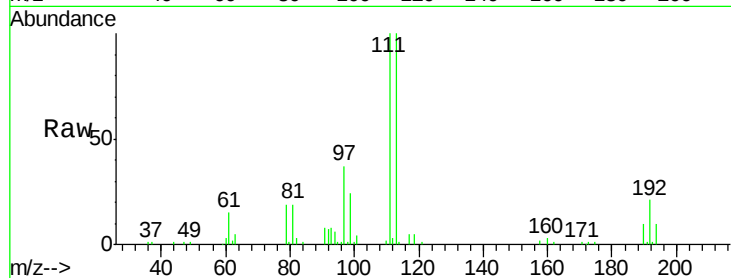
ClientSampleID :

VN0121WBSD01

Tot Ion:	113	Resp:	91130
Ion Ratio	Lower	Upper	
113	100		
111	103.2	83.5	125.3
192	21.6	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#36

1,1-Dichloropropene

Concen: 19.564 ug/l

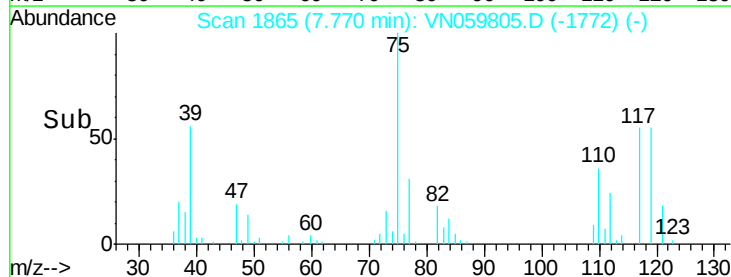
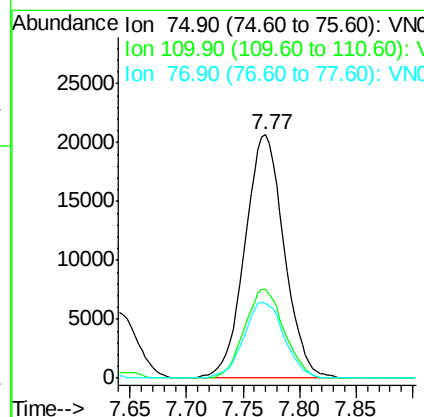
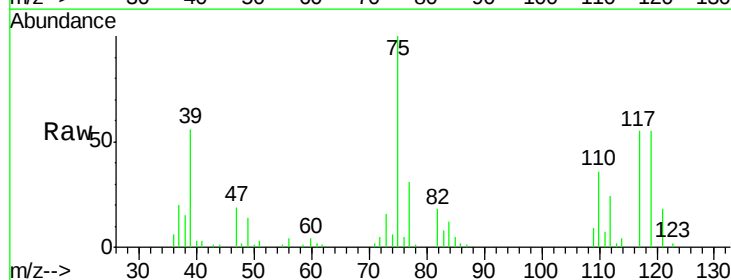
RT: 7.77 min Scan# 1865

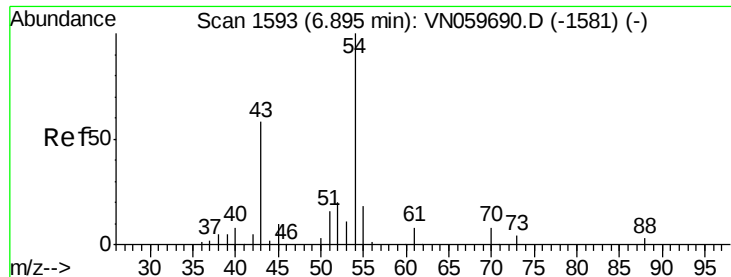
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	75	Resp:	49984
Ion Ratio	Lower	Upper	
75	100		
110	36.6	16.6	49.7
77	31.9	25.1	37.7





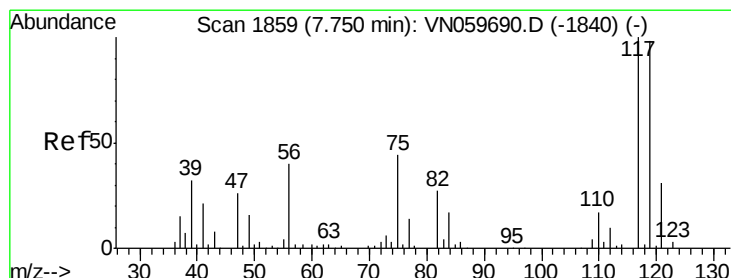
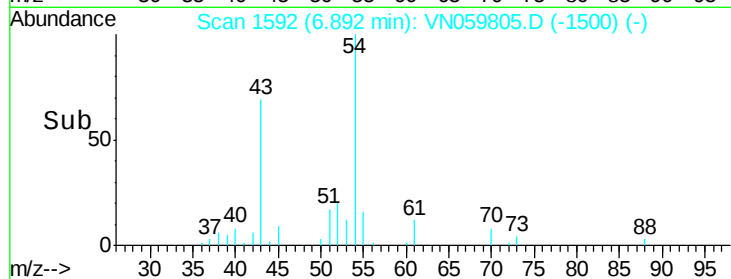
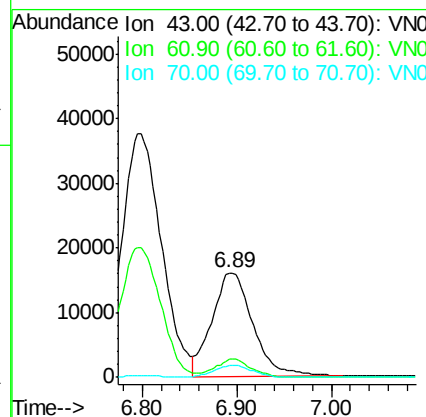
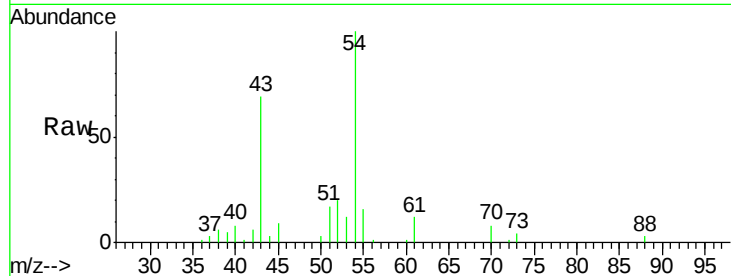
#37
Ethyl Acetate
Concen: 20.162 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

Tot Ion	43	61	70
Resp	48314	14.9	10.9
Ratio	100	14.9	10.9
Lower		10.9	7.7
Upper		16.3	11.5

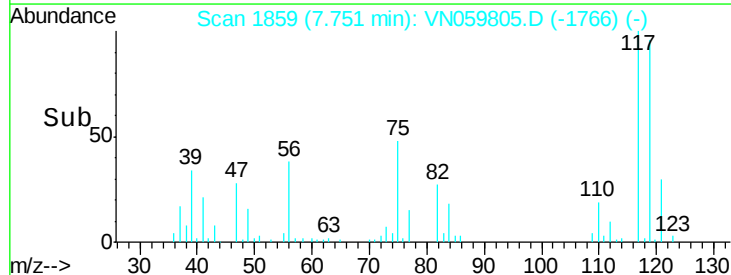
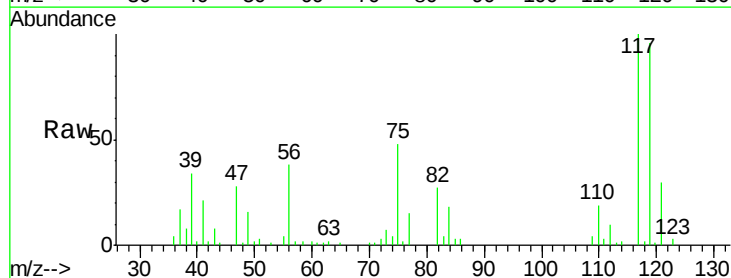
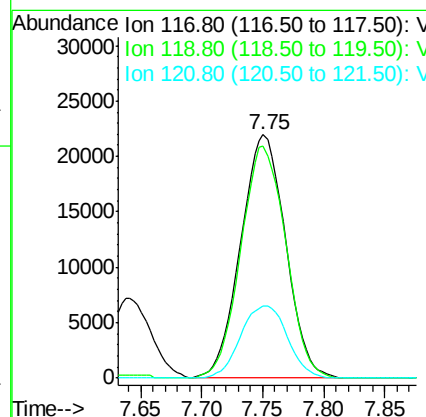
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#38
Carbon Tetrachloride
Concen: 20.138 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	117	119	121
Resp	55966	95.5	29.6
Ratio	100	95.5	29.6
Lower		76.5	25.1
Upper		114.7	37.7





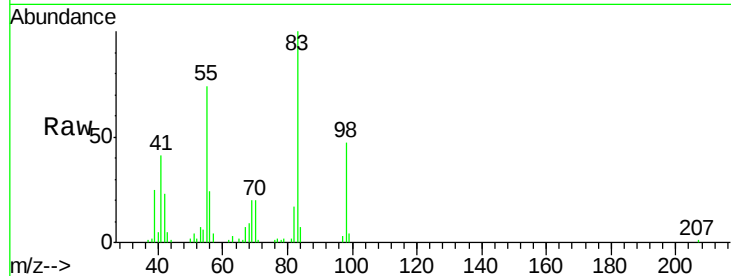
#39
Methvlcvclohexane
Concen: 19.143 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

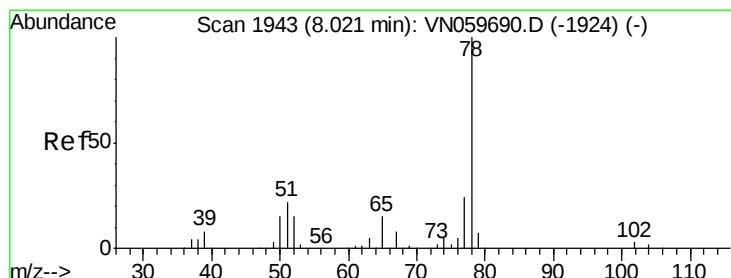
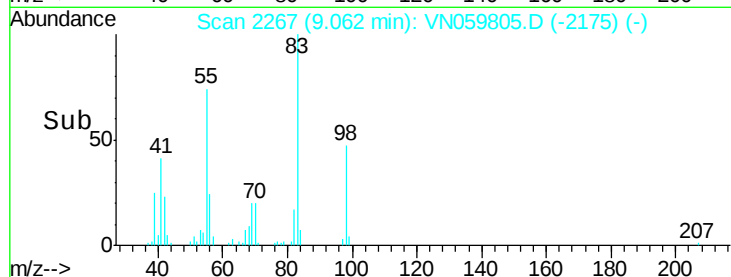
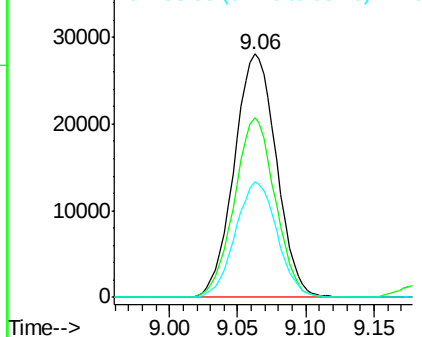
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	64.2	96.2
98	47.4	35.9	53.9

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM

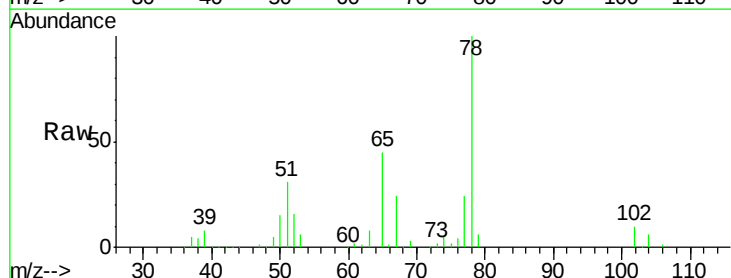


Abundance Ion 83.00 (82.70 to 83.70): VN059690.D (-2251) (-)

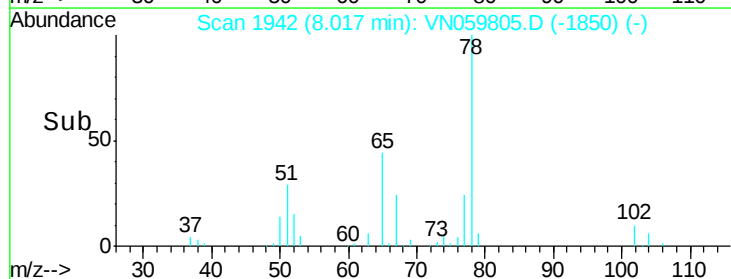
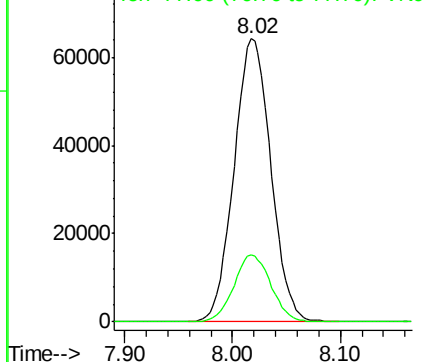


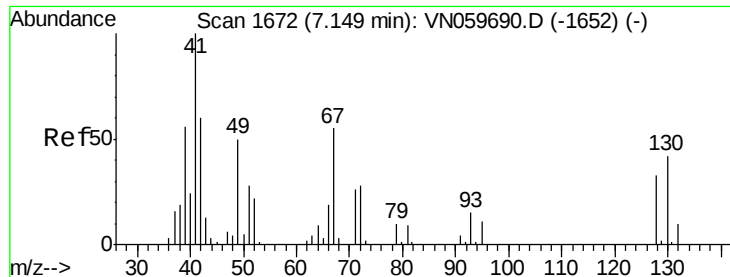
#40
Benzene
Concen: 19.984 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN059690.D (-1924) (-)





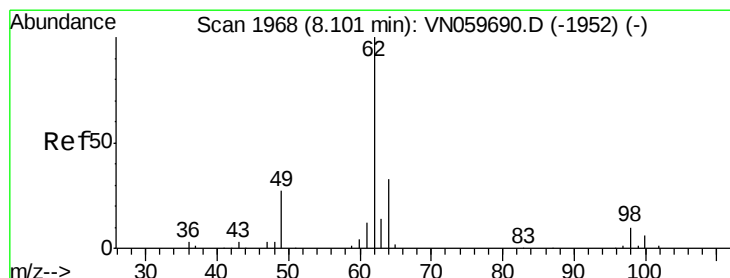
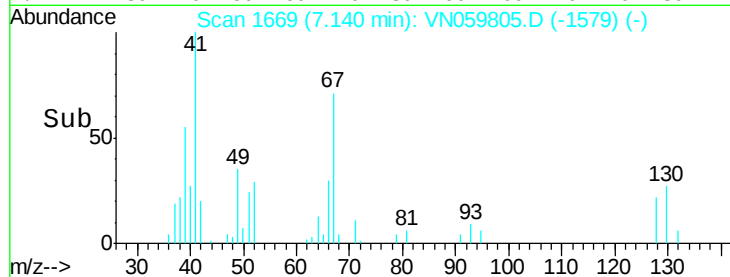
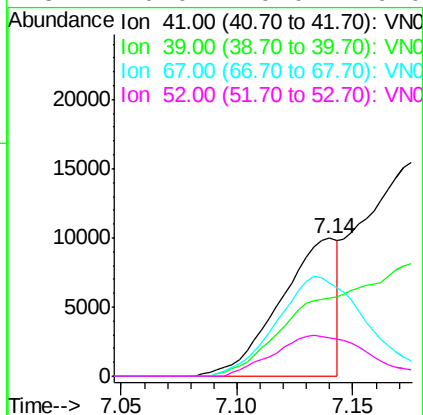
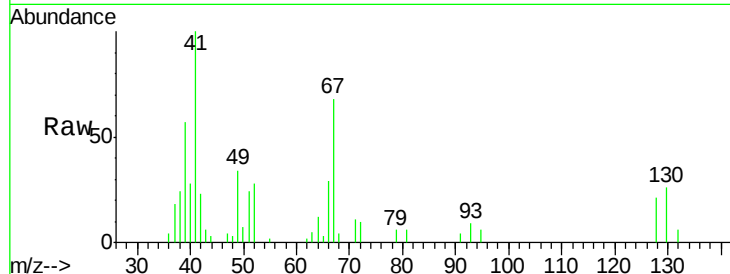
#41
Methacrylonitrile
Concen: 14.466 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	41	Resp:	17074
Ion	Ratio	Lower	Upper
41	100		
39	213.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

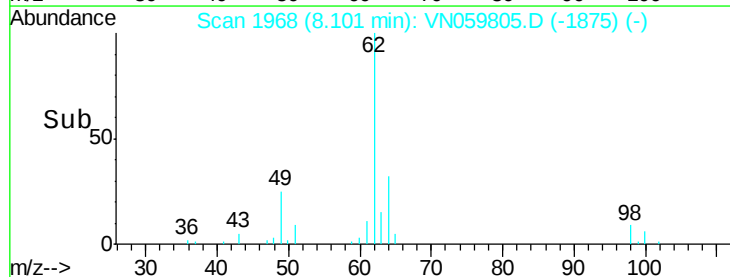
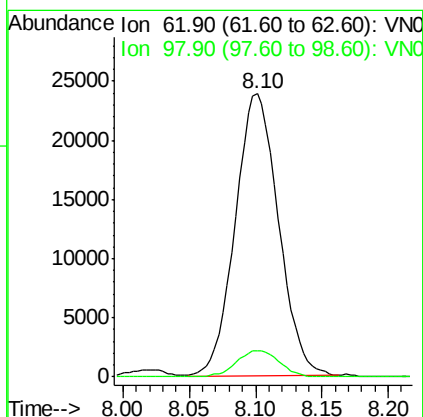
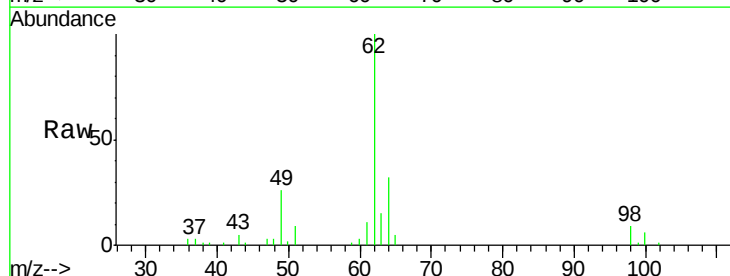
Manual Integrations
APPROVED

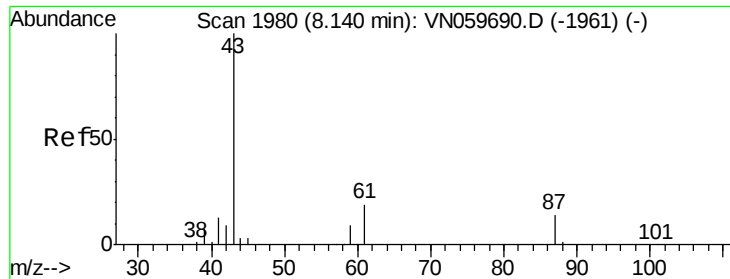
MMDadoda
1/22/2020 11:14:54 AM



#42
1,2-Dichloroethane
Concen: 20.895 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	62	Resp:	53981
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.480 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

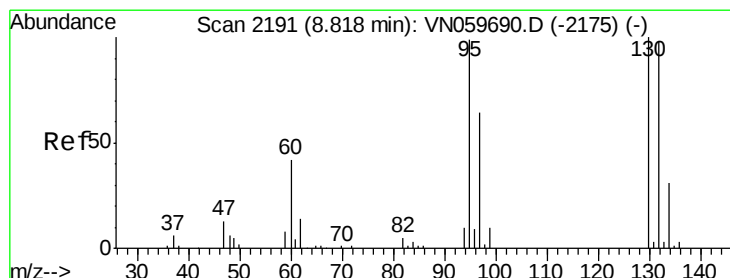
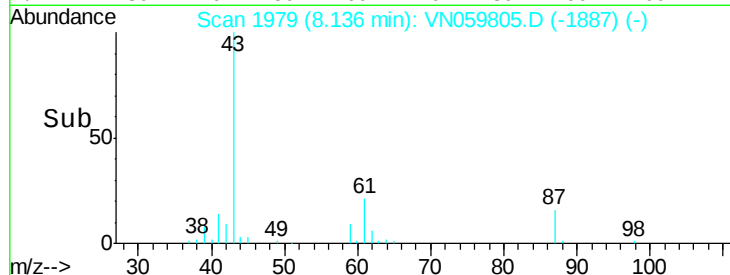
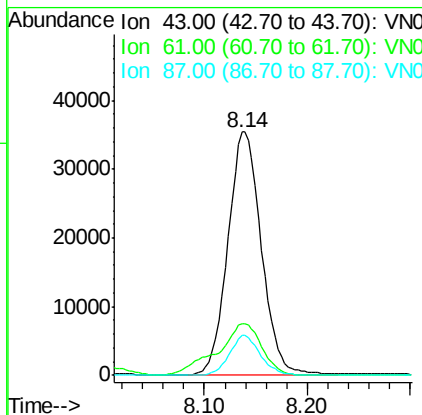
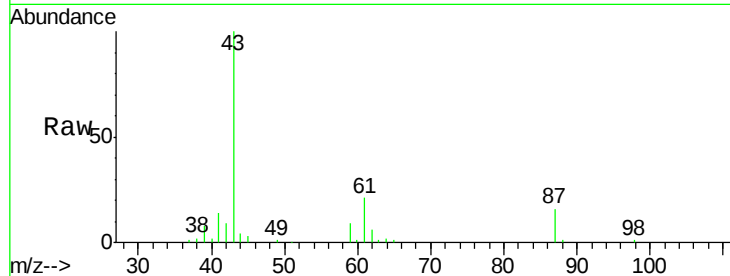
ClientSampleId :

VN0121WBSD01

Tot Ion:	43	Resp:	80288
Ion	Ratio	Lower	Upper
43	100		
61	28.1	20.2	30.2
87	15.0	9.5	14.3#

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#44

Trichloroethene

Concen: 21.530 ug/l

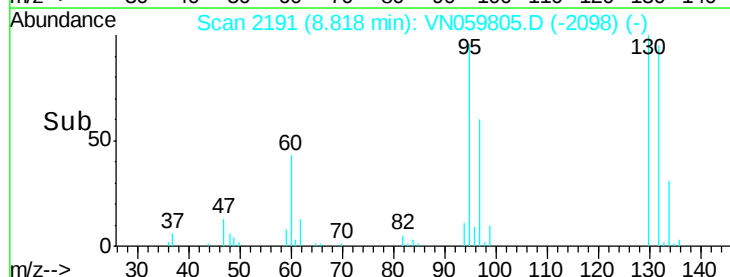
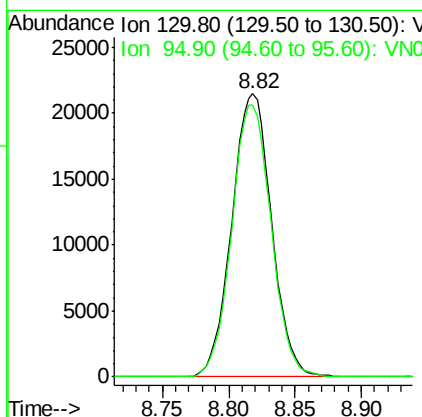
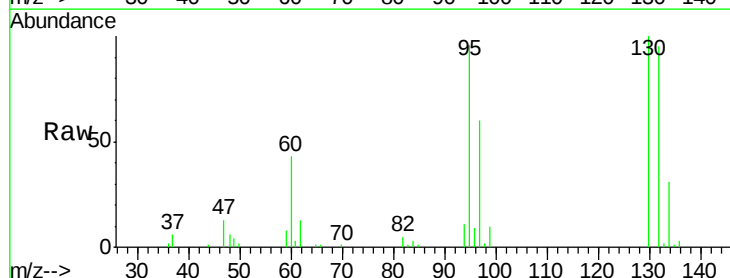
RT: 8.82 min Scan# 2191

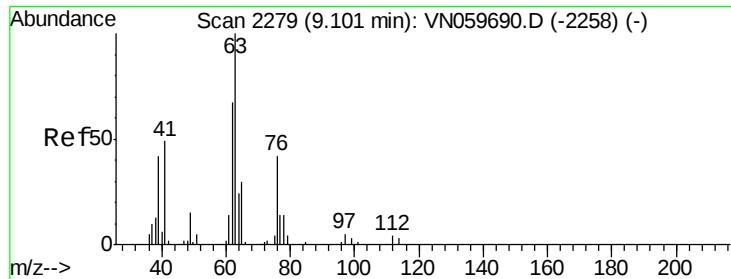
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	130	Resp:	44784
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.617 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 63 Resp: 38873

Ion Ratio Lower Upper

63 100

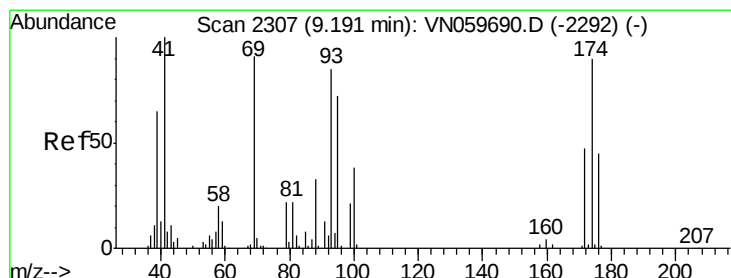
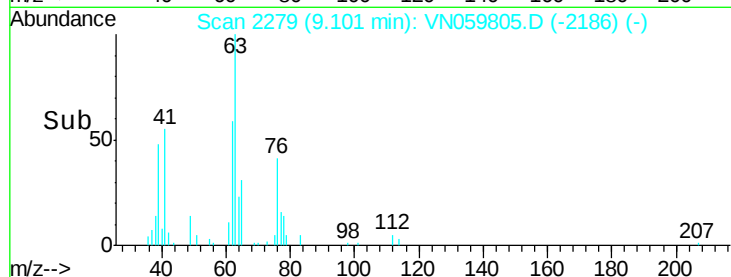
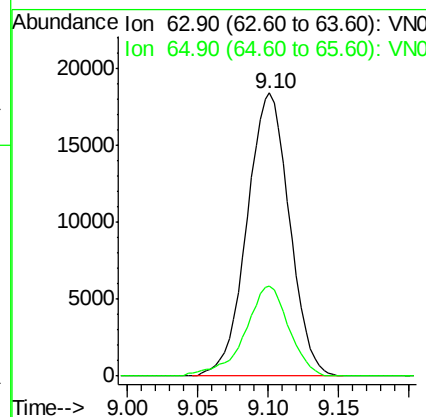
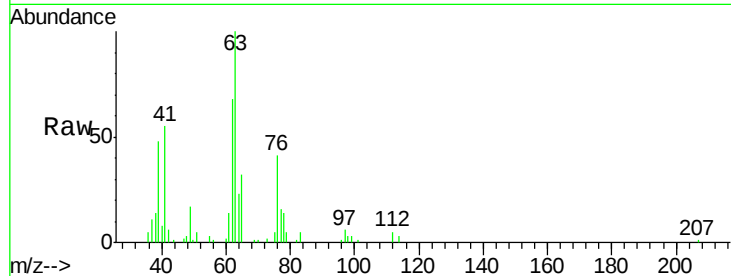
65 31.6 24.9 37.3

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



#46

Dibromomethane

Concen: 20.945 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

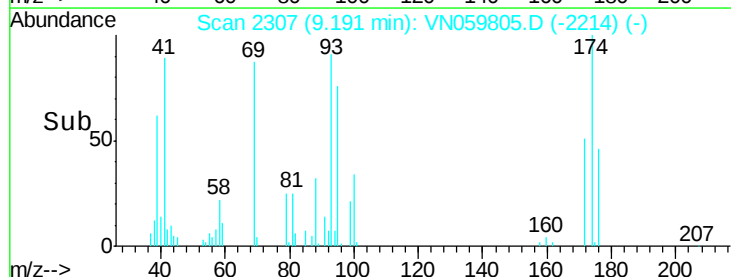
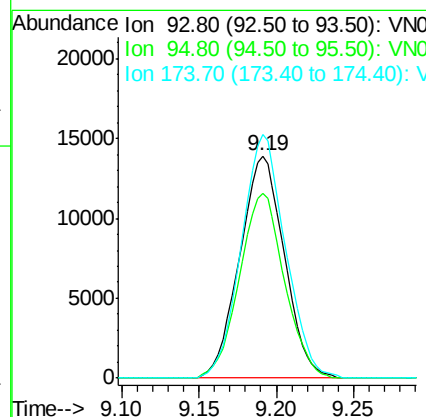
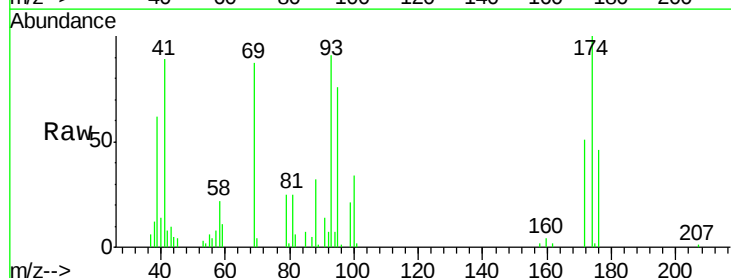
Tgt Ion: 93 Resp: 27857

Ion Ratio Lower Upper

93 100

95 83.7 67.0 100.6

174 108.4 73.4 110.2





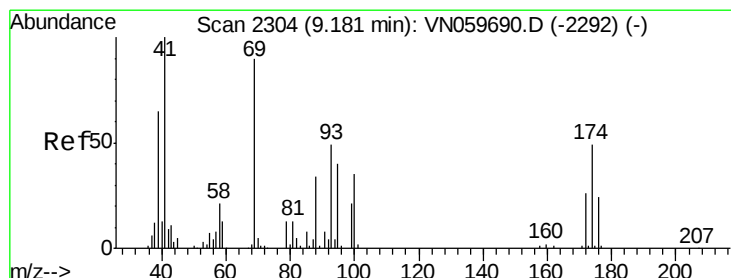
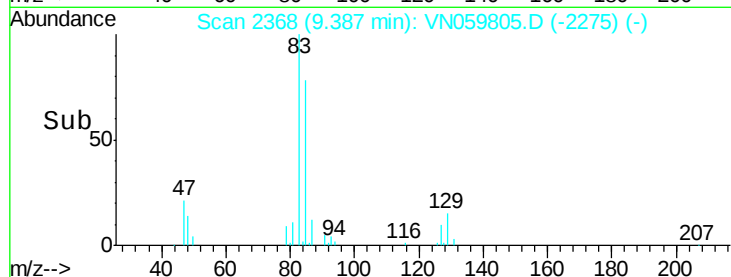
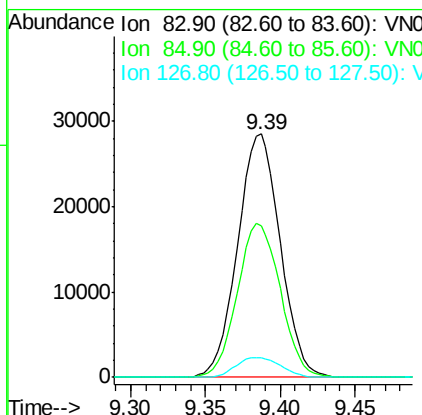
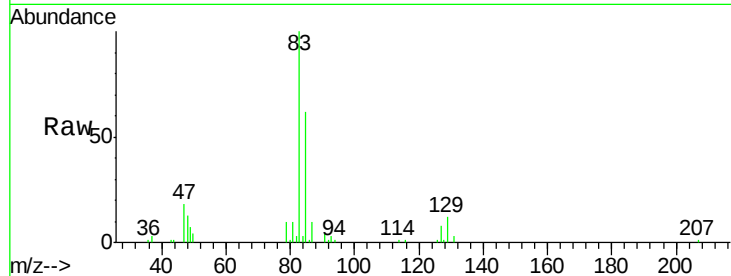
#47
Bromodichloromethane
Concen: 21.071 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	7.8	6.6	9.8

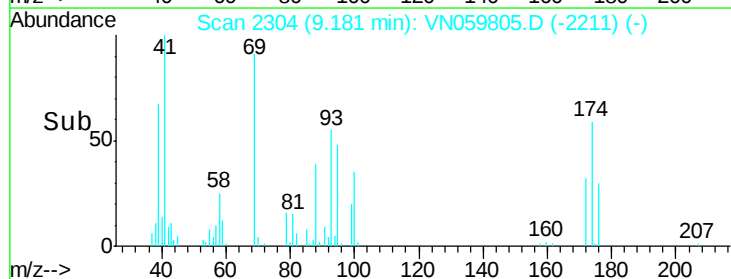
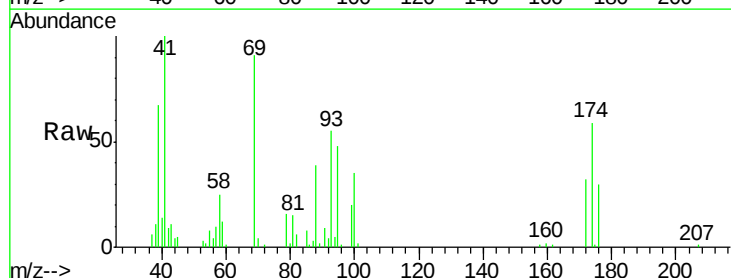
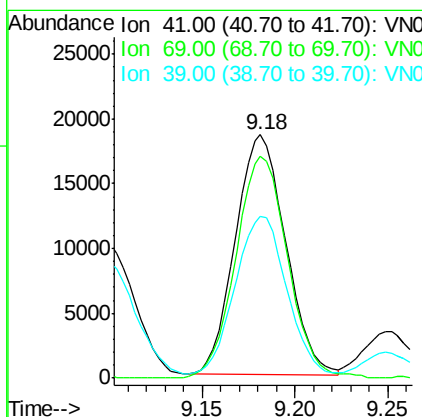
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#48
Methyl methacrylate
Concen: 18.926 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.3	64.4	96.6
39	67.6	51.3	76.9





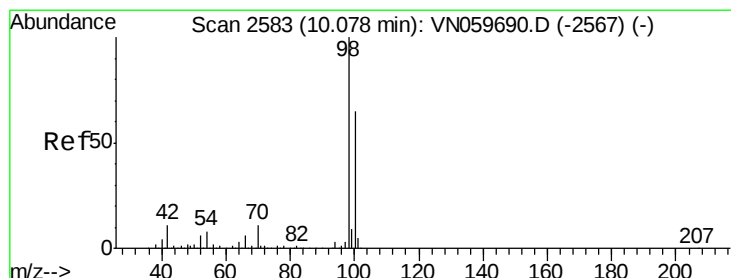
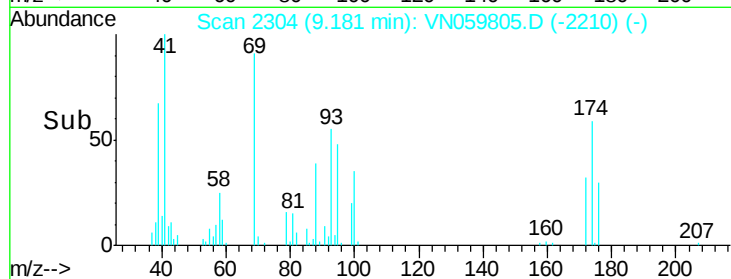
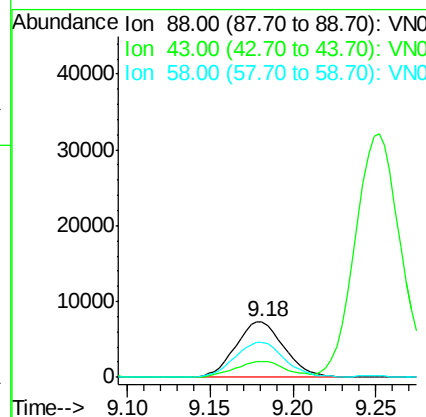
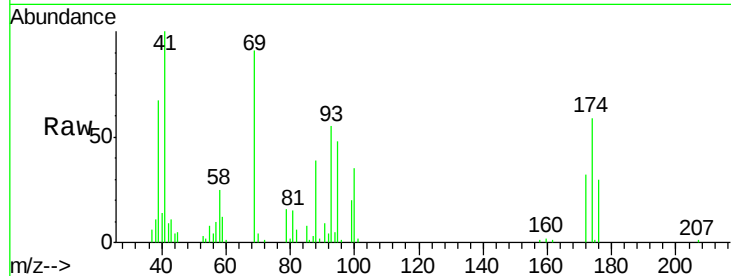
#49
1,4-Dioxane
Concen: 440.628 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	88	Resp	14871
Ion	Ratio	Lower	Upper
88	100		
43	30.3	29.7	44.5
58	65.1	56.6	85.0

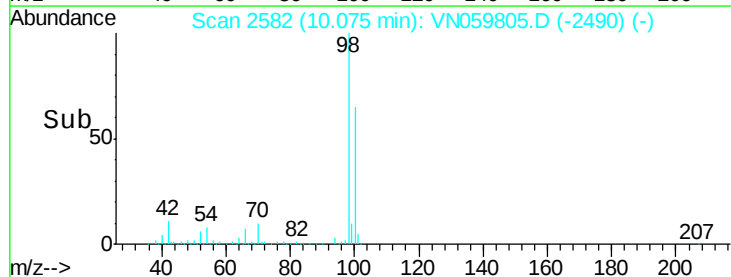
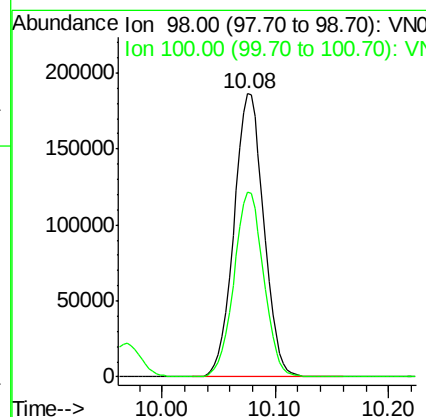
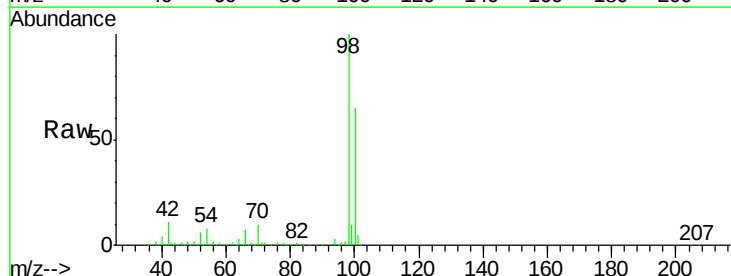
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#50
Toluene-d8
Concen: 50.361 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	98	Resp	341377
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





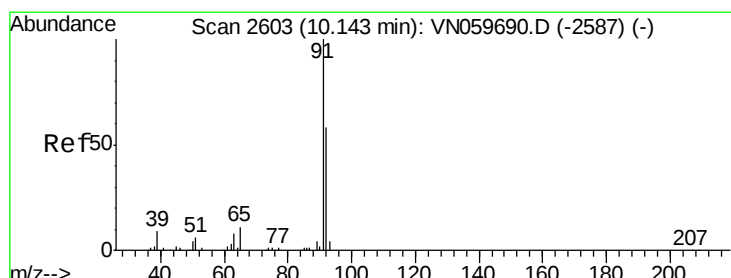
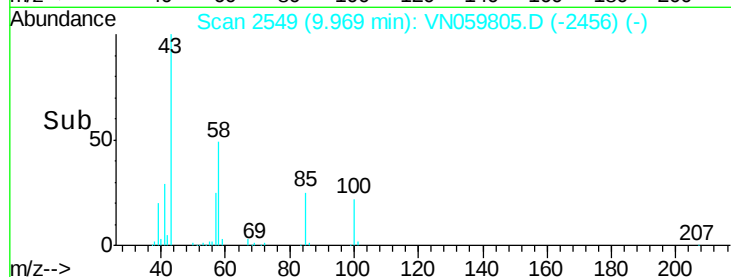
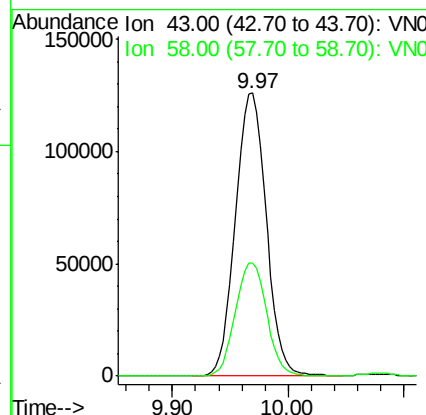
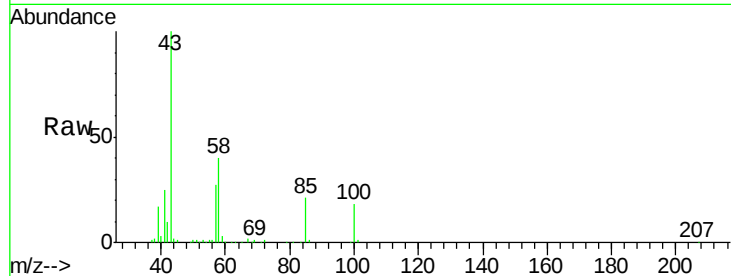
#51
4-Methyl-2-Pentanone
Concen: 97.535 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	29.8	44.8

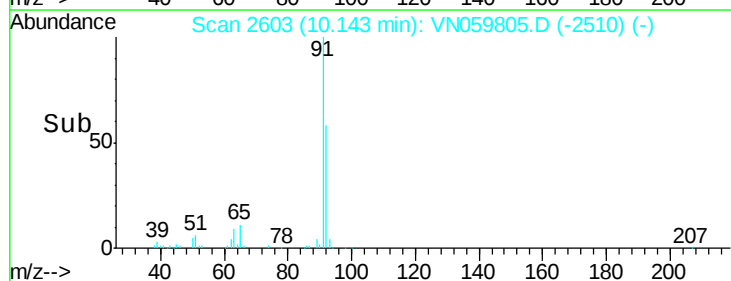
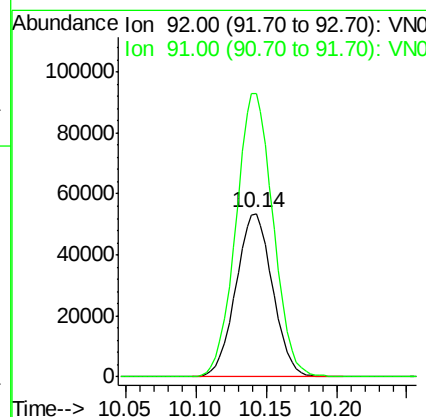
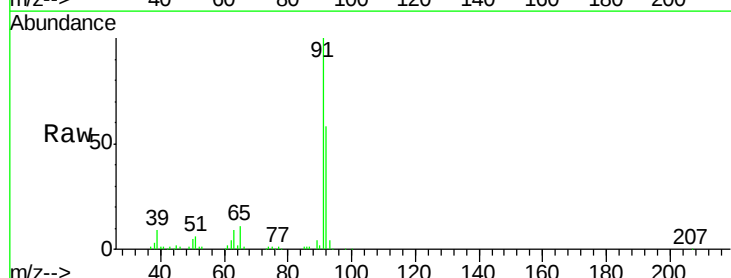
Manual Integrations
APPROVED

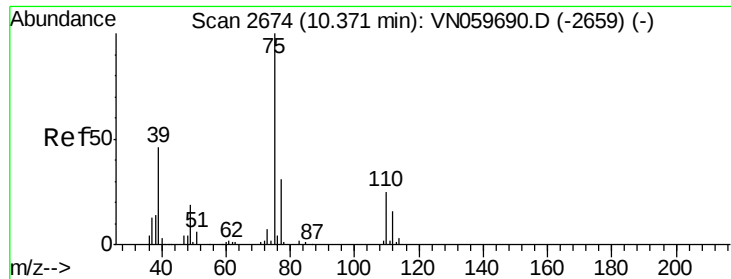
MMDadoda
1/22/2020 11:14:54 AM



#52
Toluene
Concen: 20.310 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	140.4	210.6





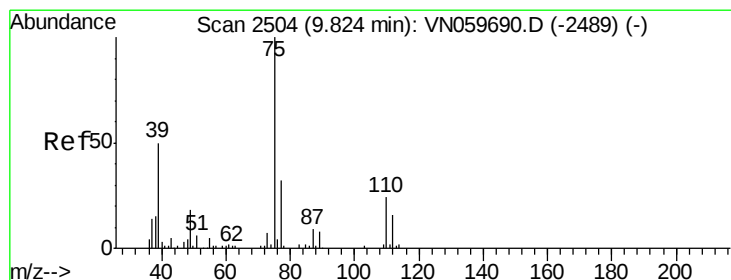
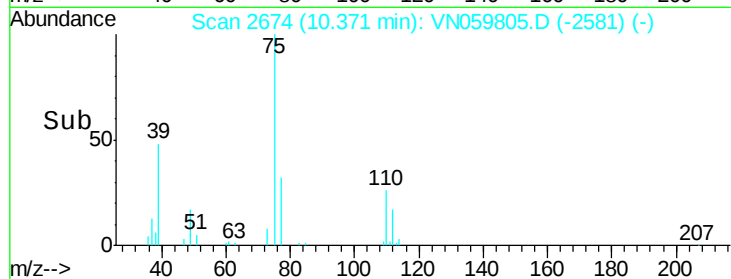
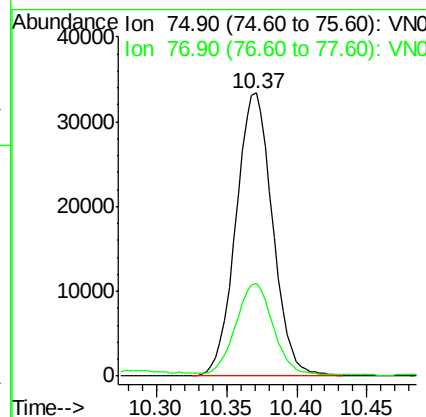
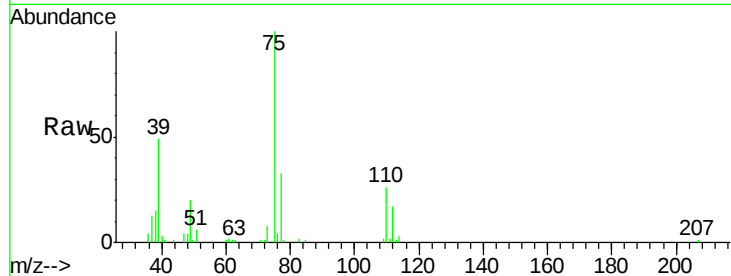
#53
t-1,3-Dichloropropene
Concen: 20.303 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.2

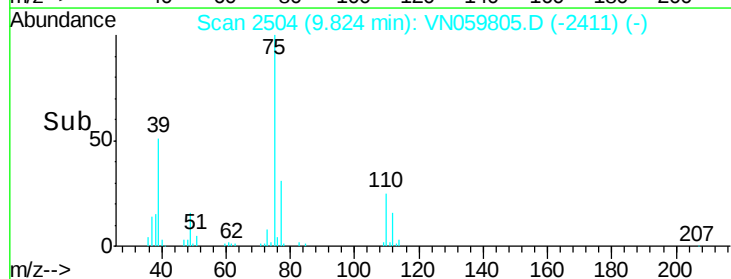
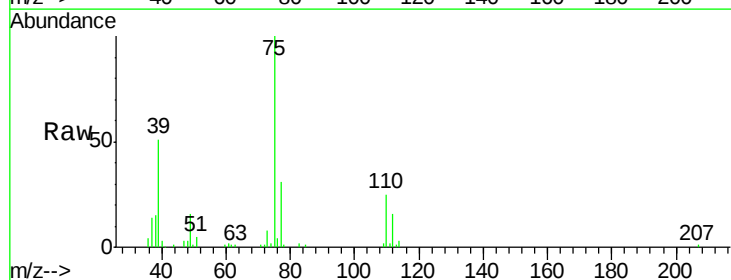
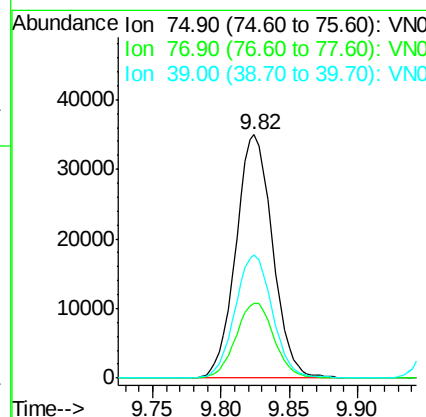
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#54
cis-1,3-Dichloropropene
Concen: 20.730 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.1	37.7
39	50.6	46.1	69.1





#55

1,1,2-Trichloroethane

Concen: 20.902 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 97 Resp: 39843

Ion Ratio Lower Upper

97 100

83 84.3 71.3 106.9

85 56.5 45.8 68.8

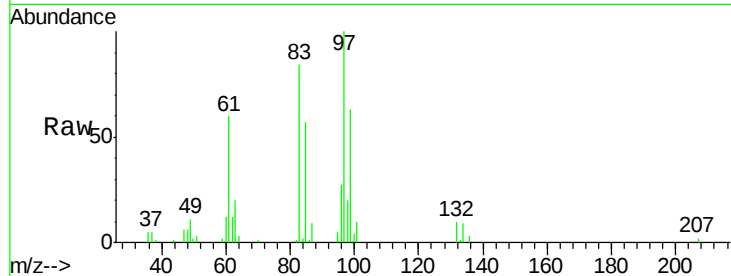
99 62.8 50.0 75.0

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM

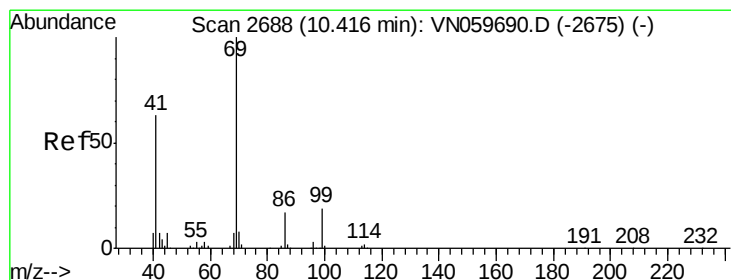
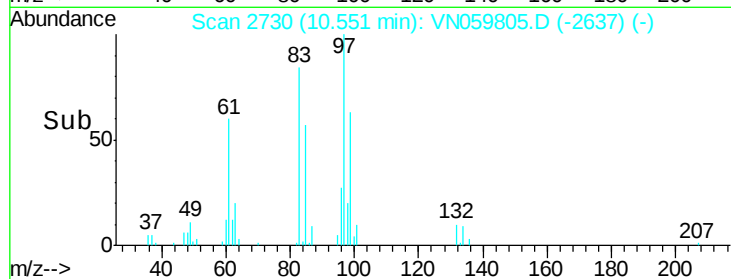
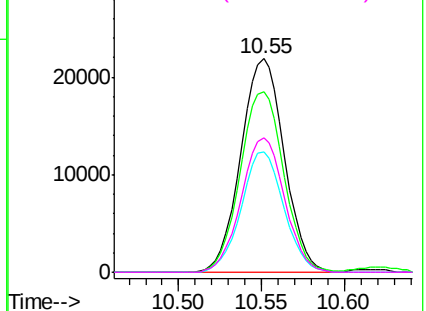


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.479 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

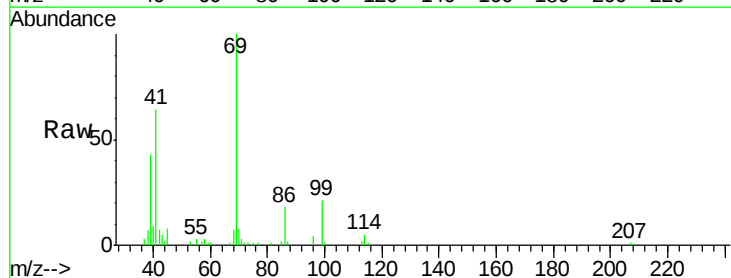
Tgt Ion: 69 Resp: 56734

Ion Ratio Lower Upper

69 100

41 62.4 57.1 85.7

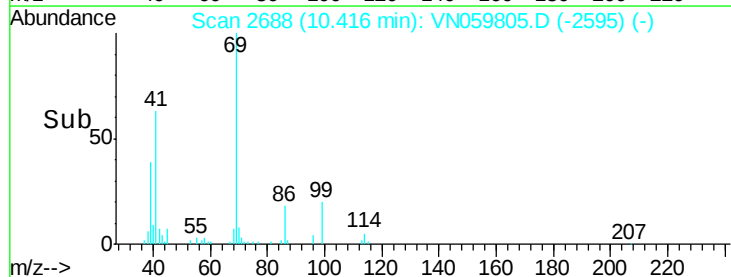
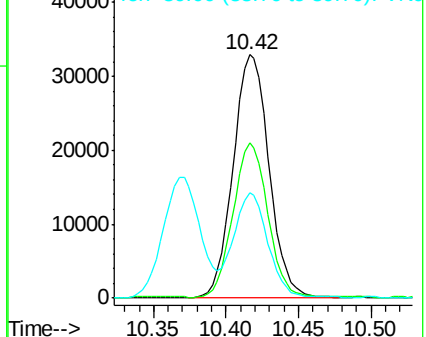
39 42.3 34.7 52.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 21.285 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 76 Resp: 64415

Ion Ratio Lower Upper

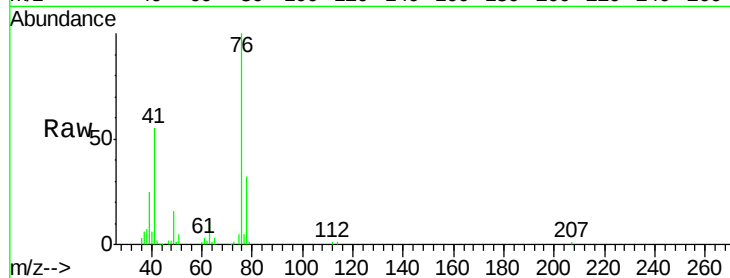
76 100

78 33.0 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

1/22/2020 11:14:54 AM



Abundance Ion 75.90 (75.60 to 76.60): VN059690.D (-2761) (-)

Ion 77.90 (77.60 to 78.60): VN059690.D (-2761) (-)

10.70

40000

30000

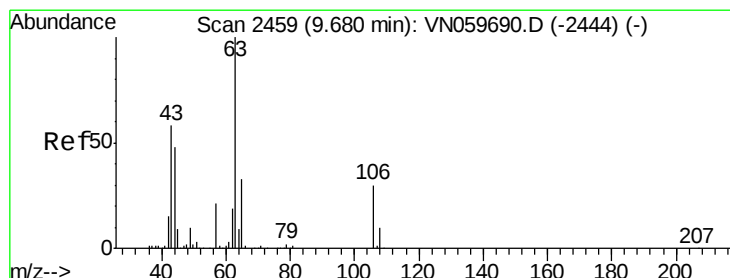
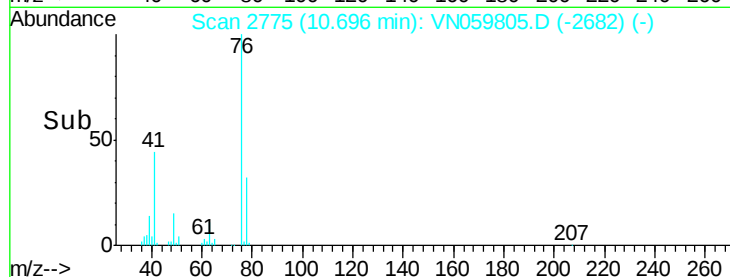
20000

10000

0

Time-->

10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 105.494 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059805.D

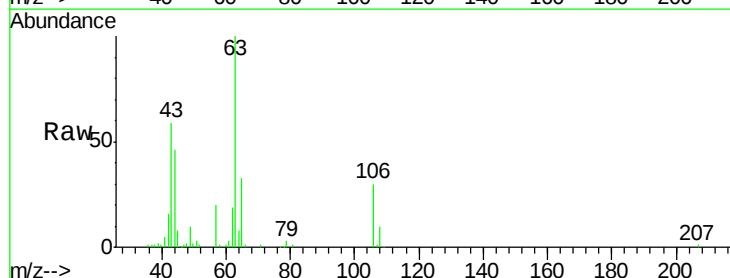
Acq: 21 Jan 2020 12:34

Tgt Ion: 63 Resp: 92549

Ion Ratio Lower Upper

63 100

106 29.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059690.D (-2444) (-)

Ion 105.90 (105.60 to 106.60): VN059690.D (-2444) (-)

9.68

60000

50000

40000

30000

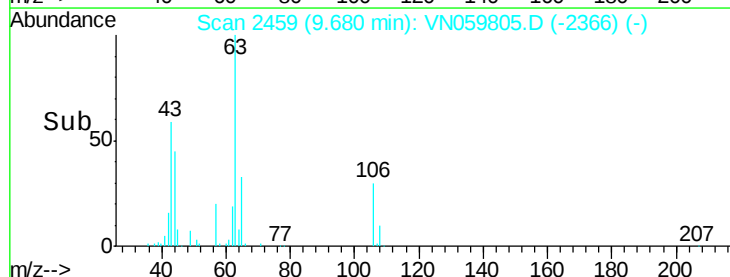
20000

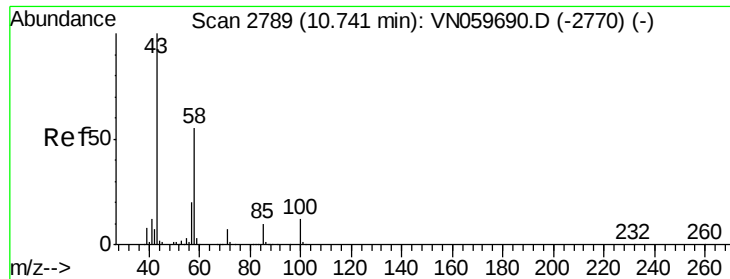
10000

0

Time-->

9.60 9.65 9.70 9.75





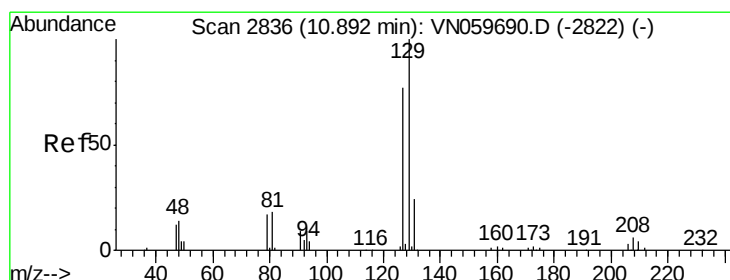
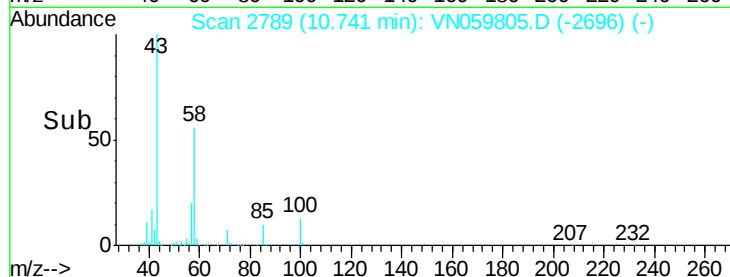
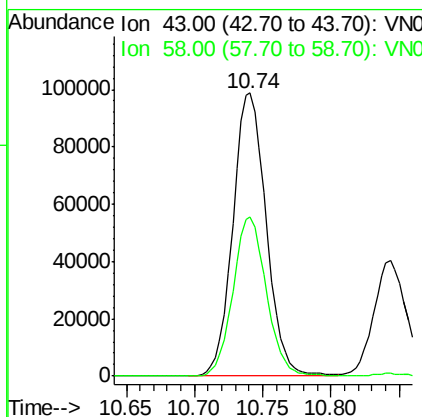
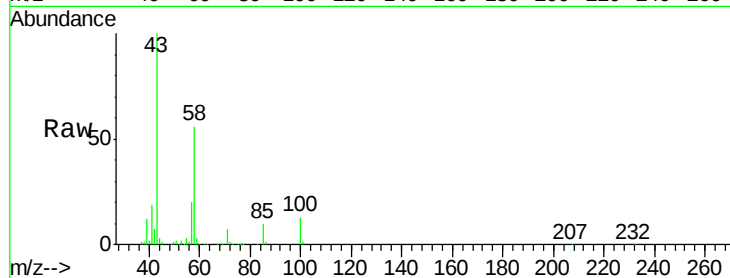
#59
2-Hexanone
Concen: 95.205 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion: 43 Resp: 167110
Ion Ratio Lower Upper
43 100
58 56.5 25.8 77.3

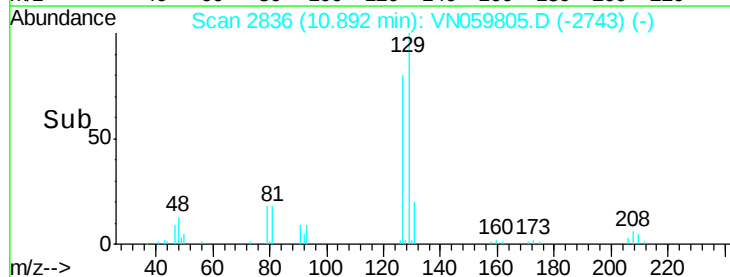
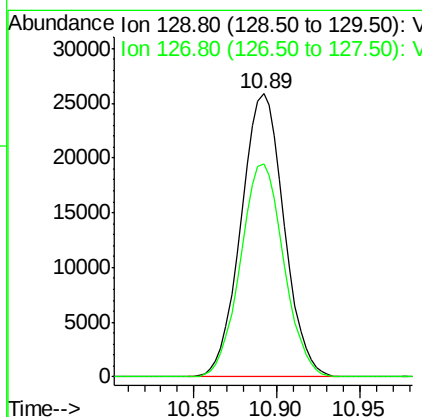
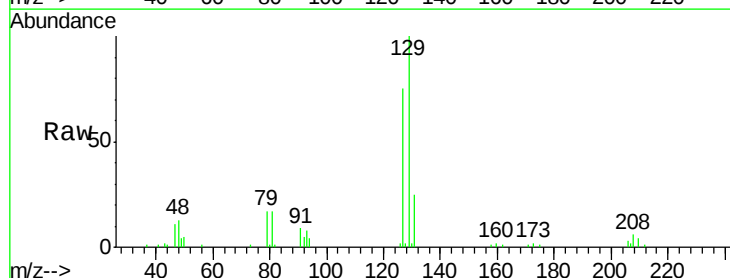
Manual Integrations
APPROVED

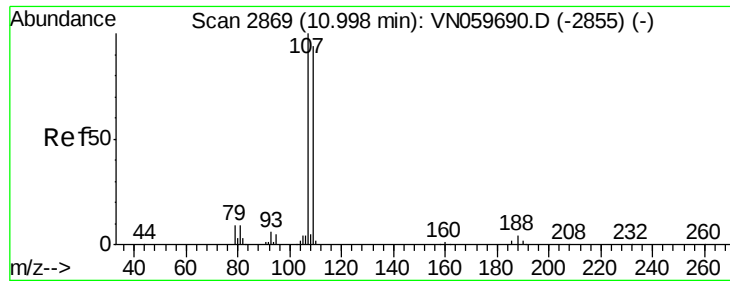
MMDadoda
1/22/2020 11:14:54 AM



#60
Dibromochloromethane
Concen: 21.542 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion: 129 Resp: 46761
Ion Ratio Lower Upper
129 100
127 75.4 38.5 115.5





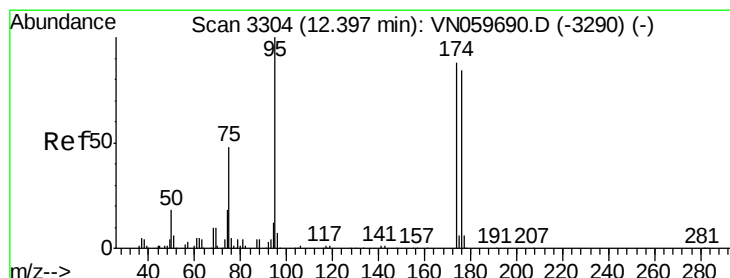
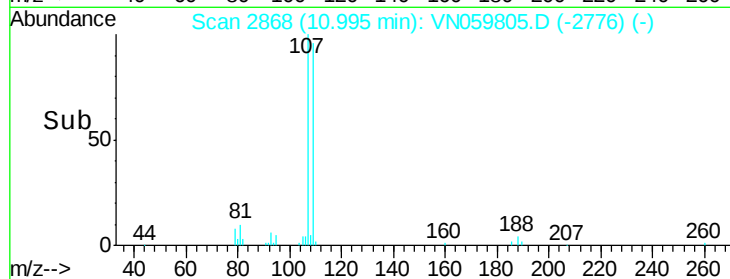
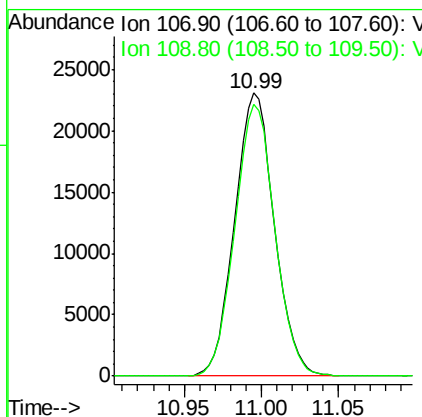
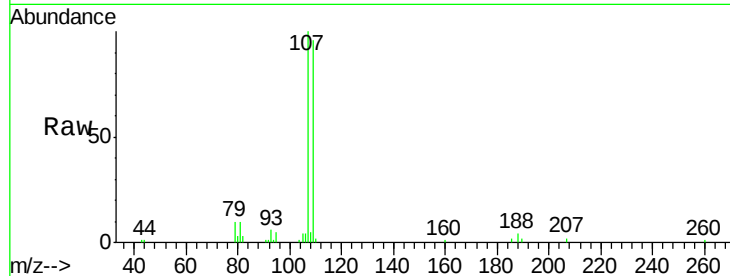
#61
 1,2-Dibromoethane
 Concen: 20.615 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Tot Ion: 107 Resp: 41186
 Ion Ratio Lower Upper
 107 100
 109 96.5 76.6 115.0

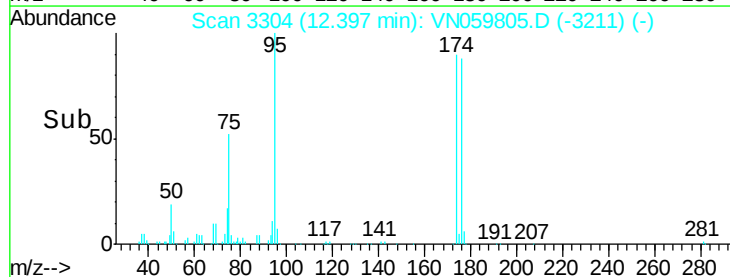
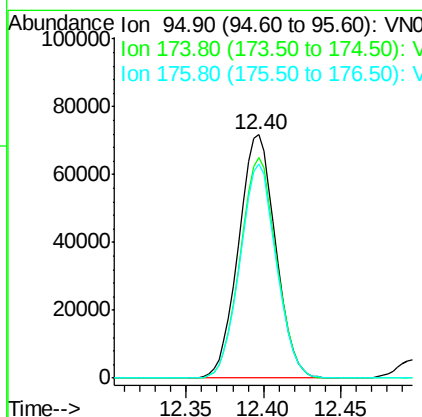
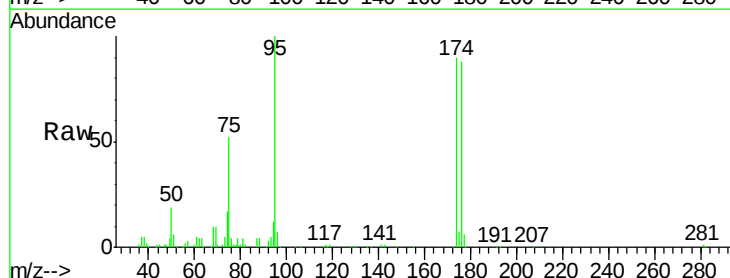
Manual Integrations
 APPROVED

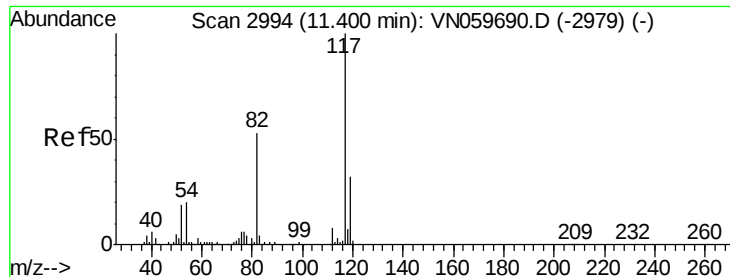
MMDadoda
 1/22/2020 11:14:54 AM



#62
 4-Bromofluorobenzene
 Concen: 48.934 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion: 95 Resp: 119581
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 151.4
 176 86.2 0.0 146.0





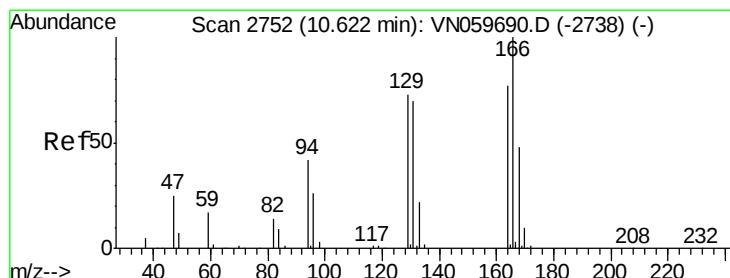
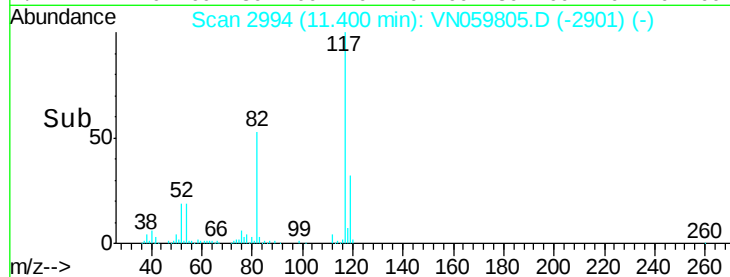
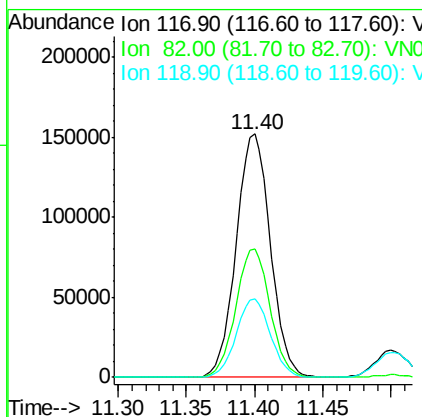
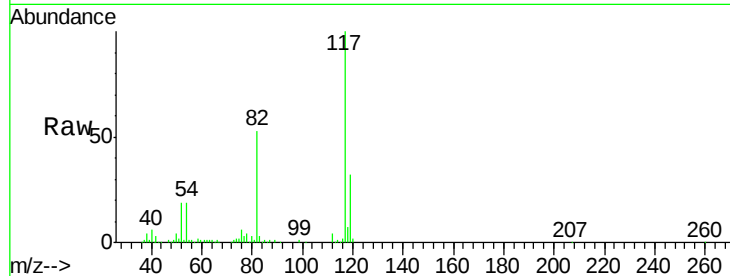
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	264643		
82	53.0		45.9	68.9
119	32.3		25.5	38.3

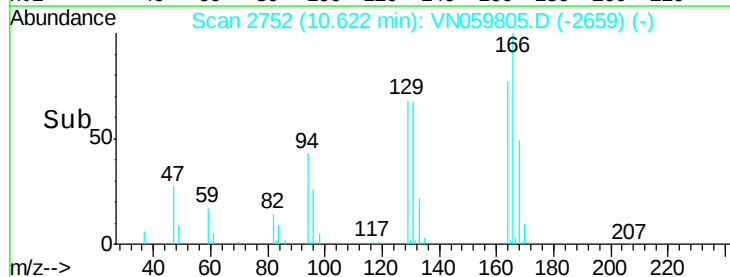
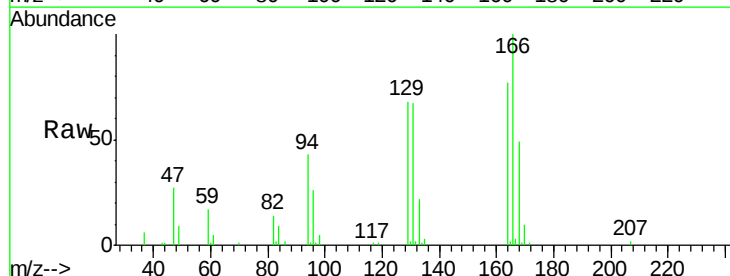
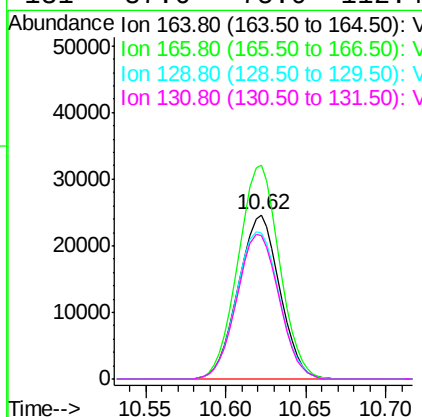
Manual Integrations
APPROVED

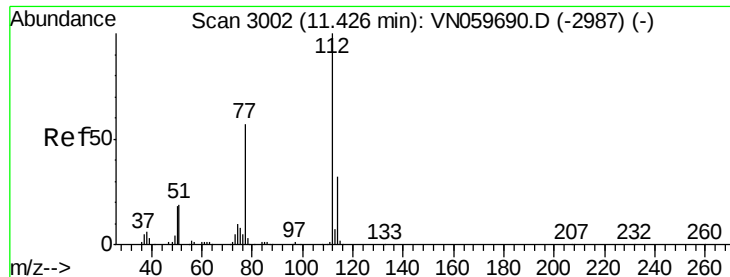
MMDadoda
1/22/2020 11:14:54 AM



#64
Tetrachloroethene
Concen: 20.212 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43594		
166	130.3		101.4	152.0
129	89.0		80.2	120.4
131	87.6		75.0	112.4





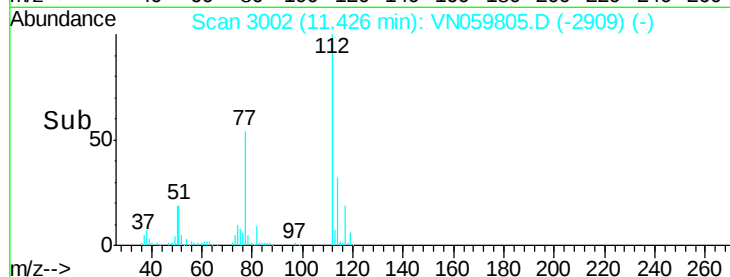
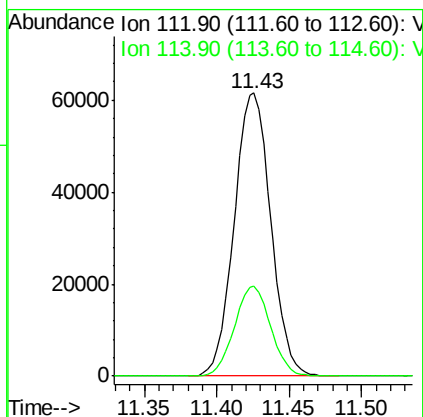
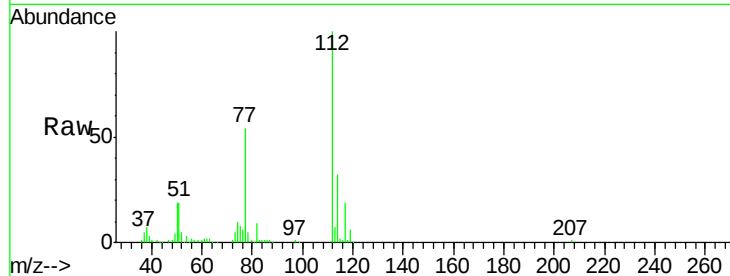
#65
Chlorobenzene
Concen: 20.708 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

Tot Ion:112 Resp: 107717
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8

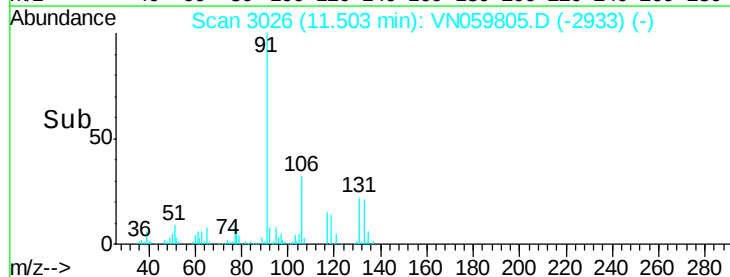
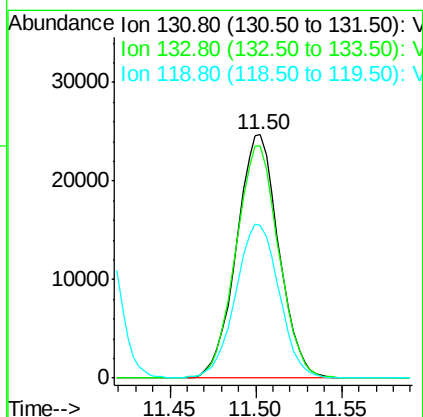
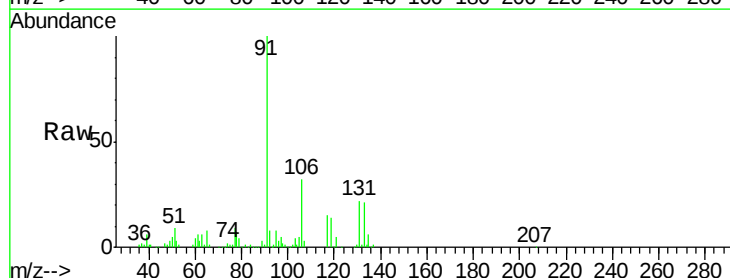
Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.021 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion:131 Resp: 42250
Ion Ratio Lower Upper
131 100
133 97.1 47.4 142.2
119 65.2 33.1 99.3





#67

Ethyl Benzene

Concen: 19.983 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 91 Resp: 188689

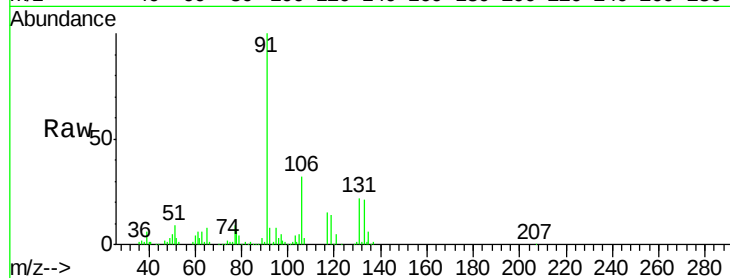
Ion Ratio Lower Upper

91 100

106 32.0 24.1 36.1

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



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

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

150000

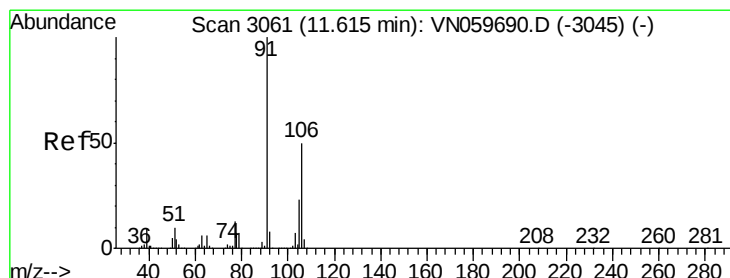
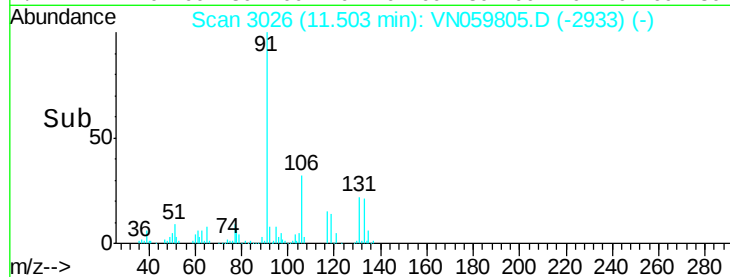
100000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 40.424 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059805.D

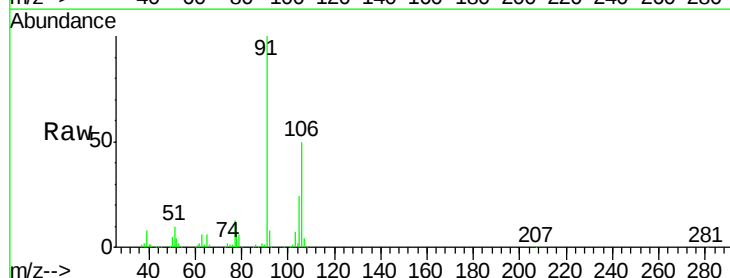
Acq: 21 Jan 2020 12:34

Tgt Ion: 106 Resp: 144188

Ion Ratio Lower Upper

106 100

91 199.5 167.9 251.9



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

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

150000

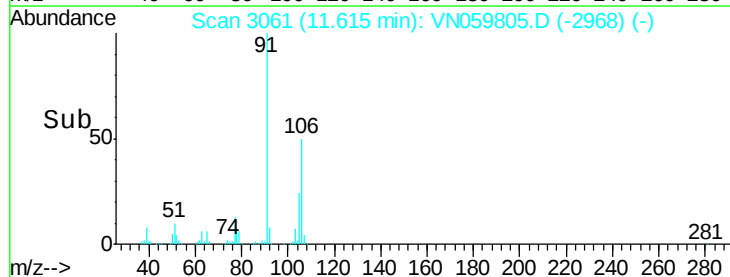
100000

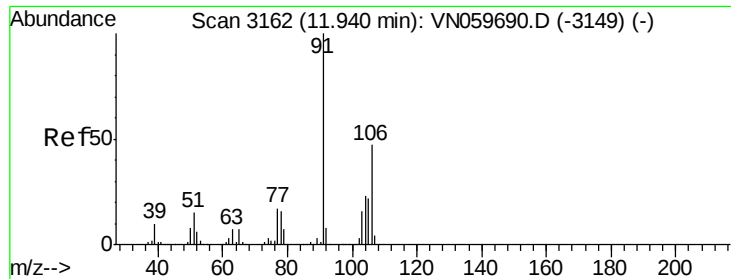
50000

0

11.55 11.60 11.65 11.70

Time-->





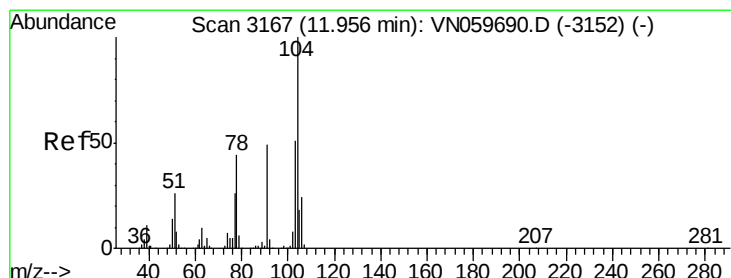
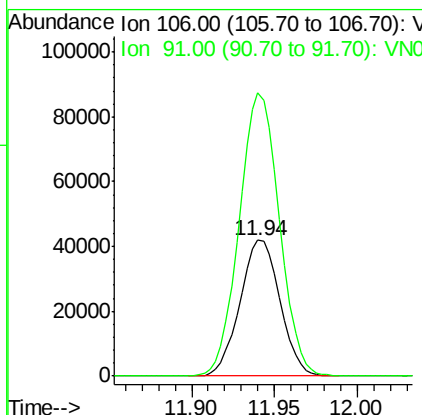
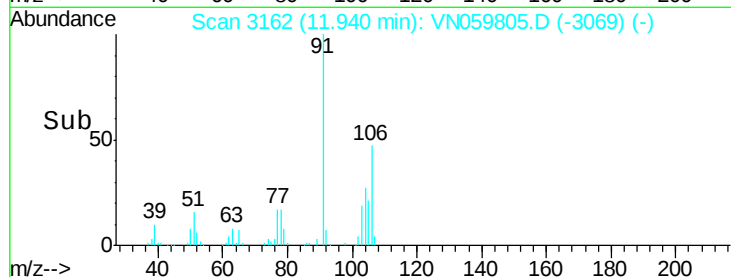
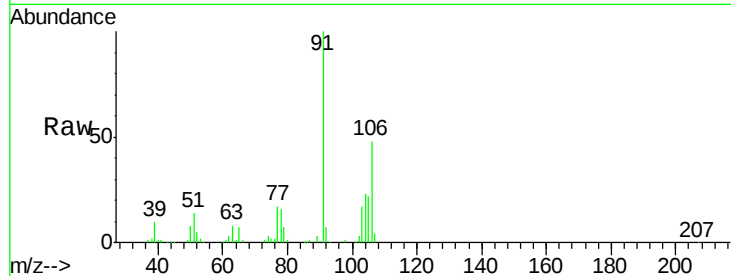
#69
o-Xylene
Concen: 20.190 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.3	110.3	330.9	

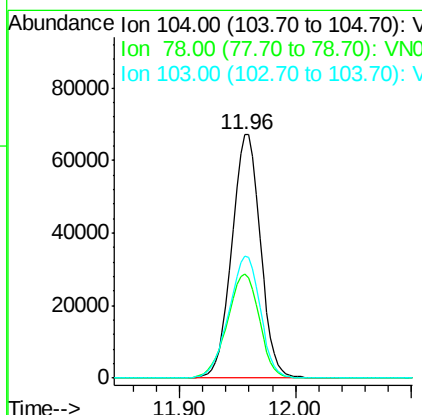
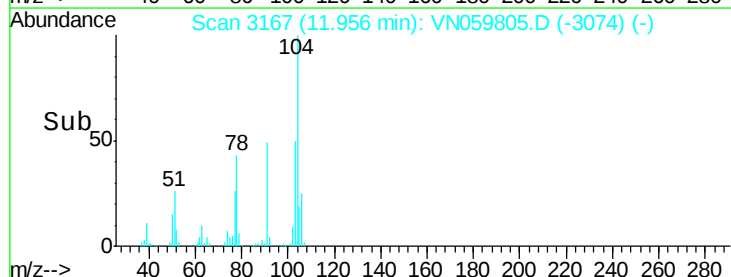
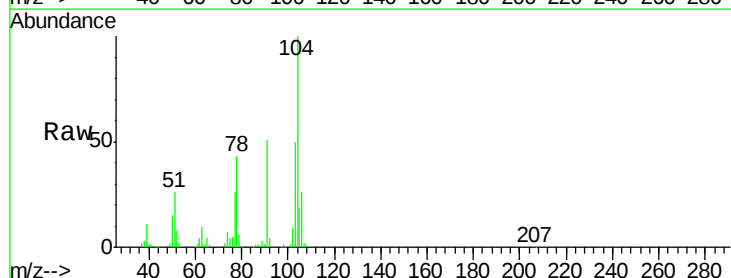
Manual Integrations
APPROVED

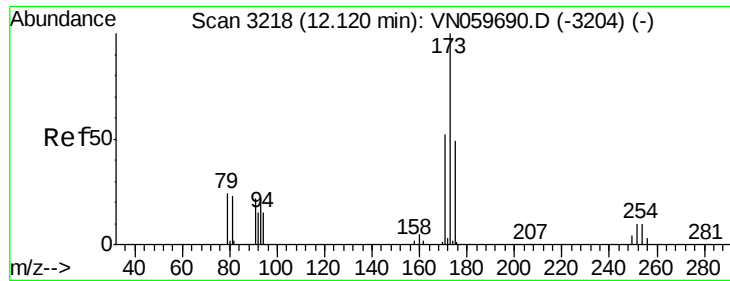
MMDadoda
1/22/2020 11:14:54 AM



#70
Styrene
Concen: 19.606 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	42.4	63.6	
103	55.2	43.9	65.9	





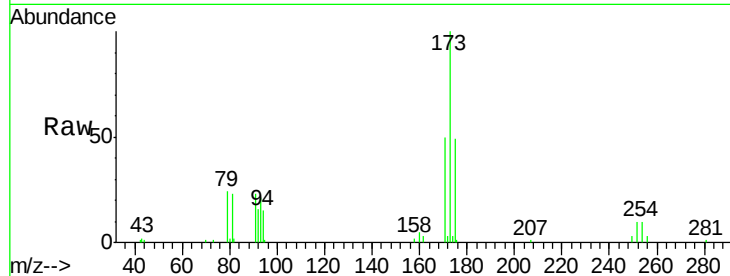
#71
Bromoform
Concen: 21.051 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampled :
VN0121WBSD01

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
1/22/2020 11:14:54 AM

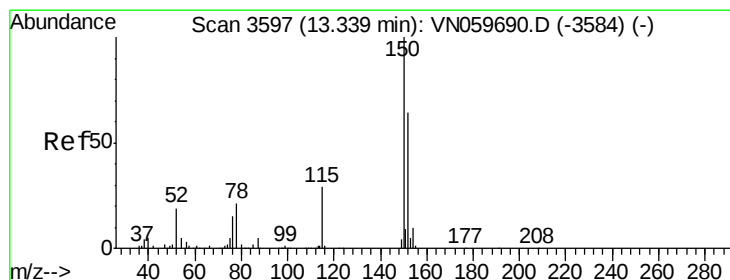
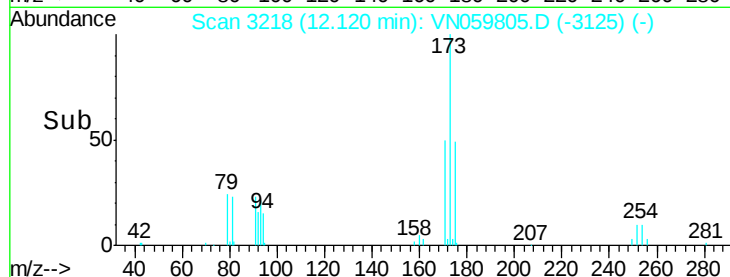
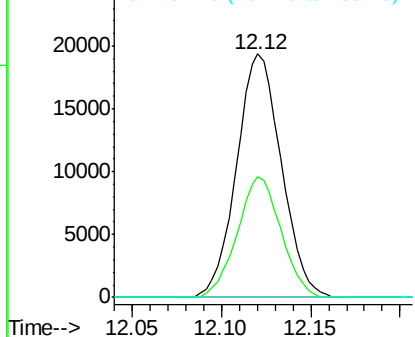


Abundance

Ion 172.70 (172.40 to 173.40): V

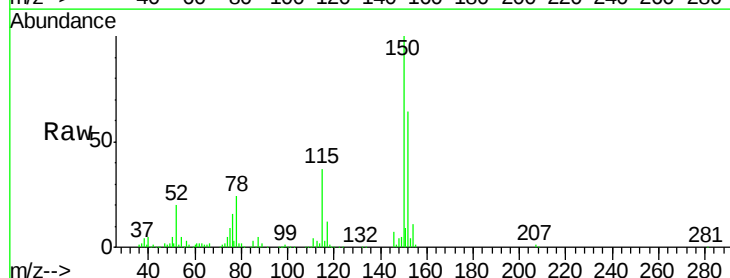
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.9	30.3	90.9
150	163.3	0.0	345.2

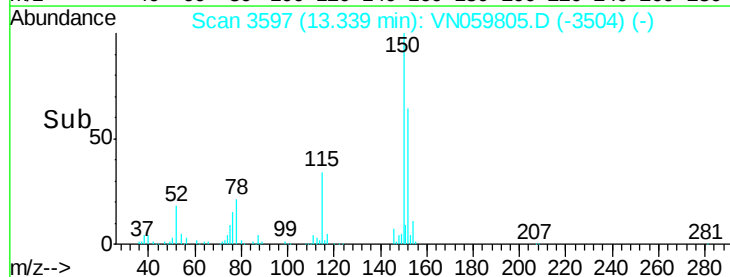
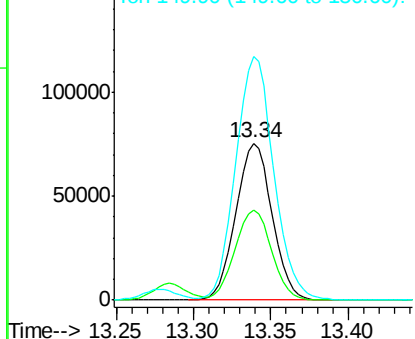


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





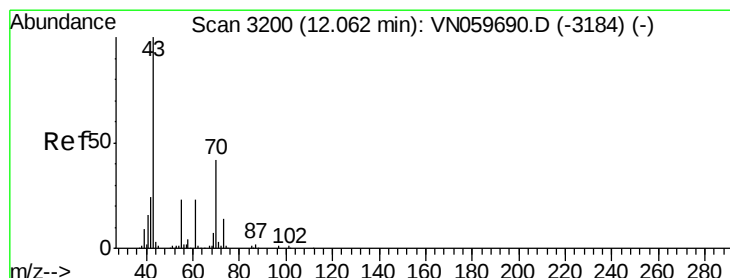
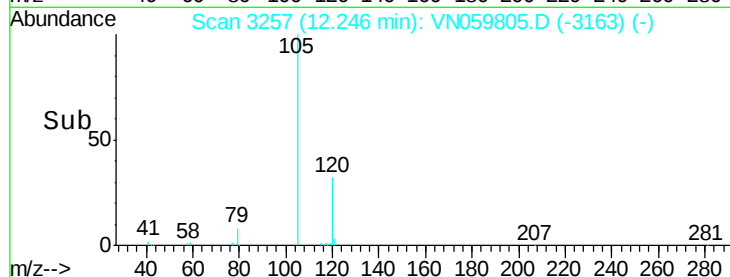
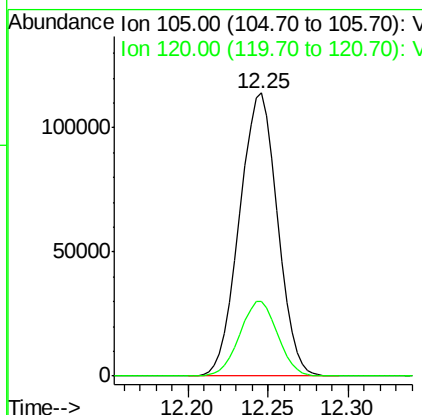
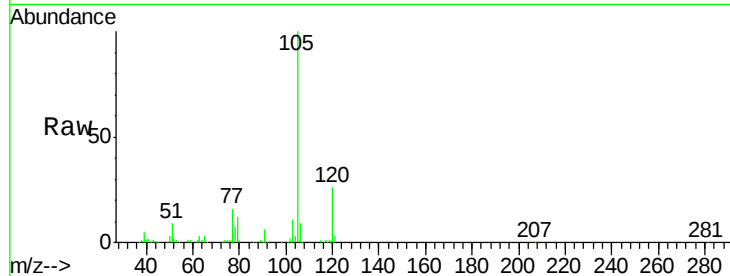
#73
Isopropylbenzene
Concen: 20.552 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

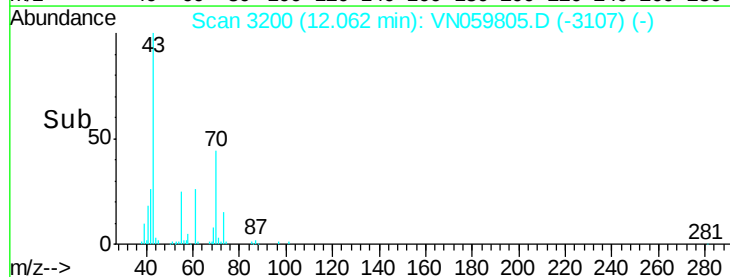
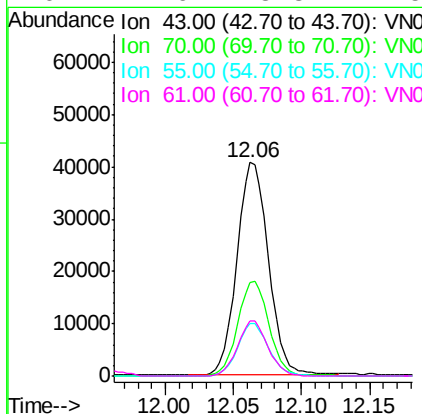
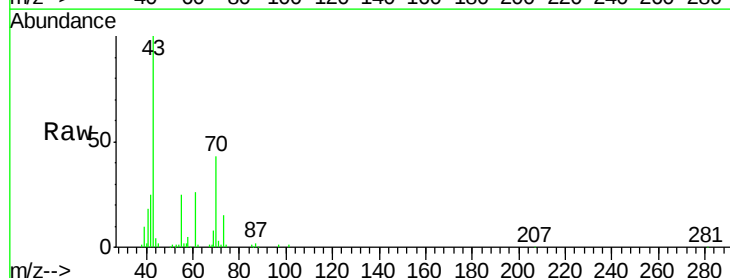
Manual Integrations
APPROVED

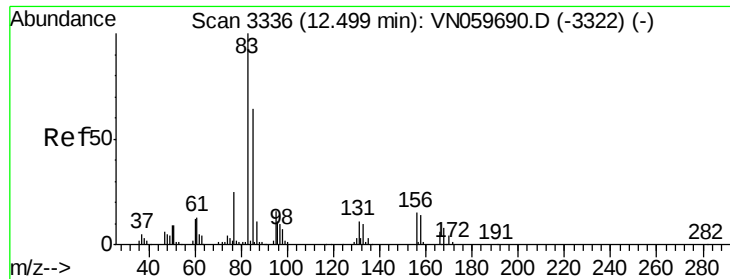
MMDadoda
1/22/2020 11:14:54 AM



#74
N-ethyl acetate
Concen: 18.739 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.0	31.3	46.9
55	24.2	19.8	29.6
61	24.6	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.327 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

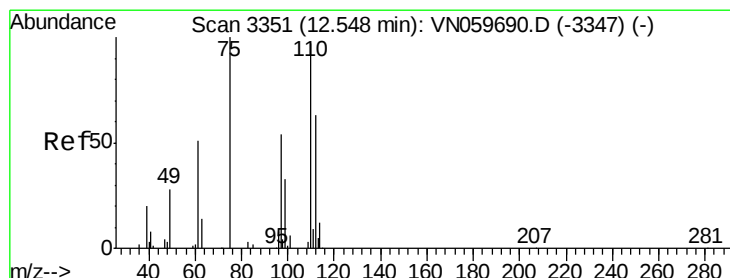
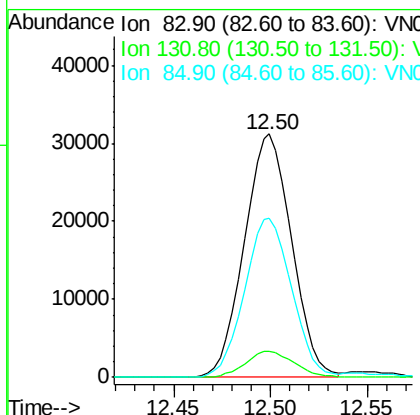
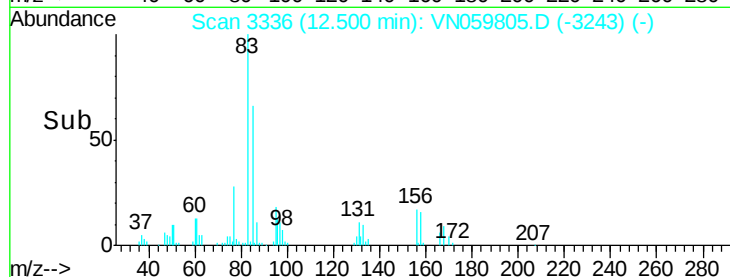
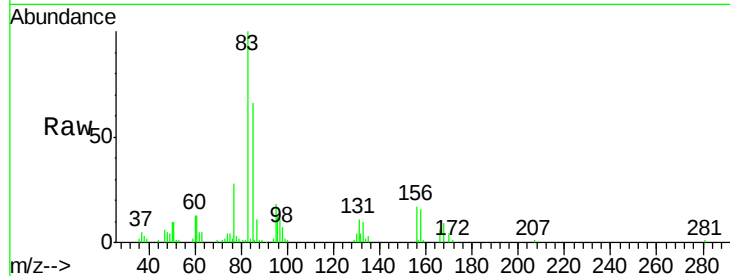
ClientSampleId :

VN0121WBSD01

Tot Ion:	83	Resp:	53055
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.0	14.9
85	65.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#76

1,2,3-Trichloropropane

Concen: 23.718 ug/l m

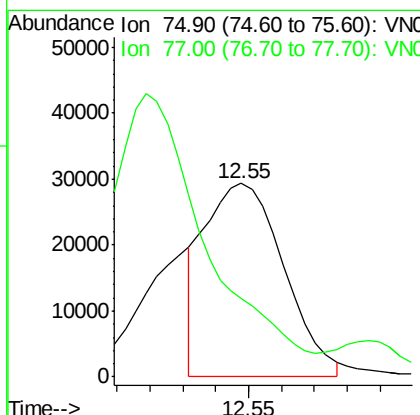
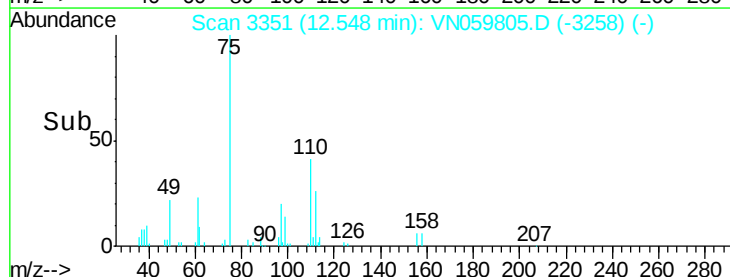
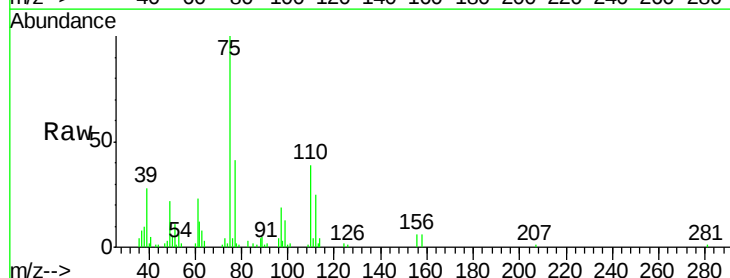
RT: 12.55 min Scan# 3351

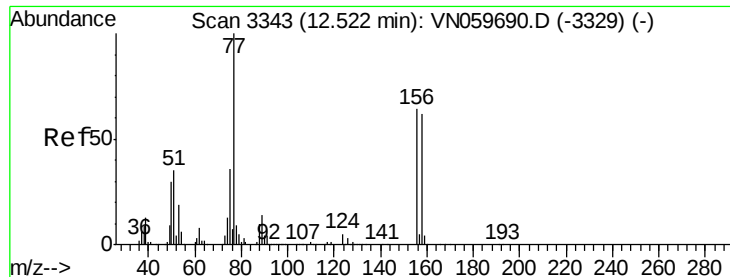
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	75	Resp:	49003
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.888 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

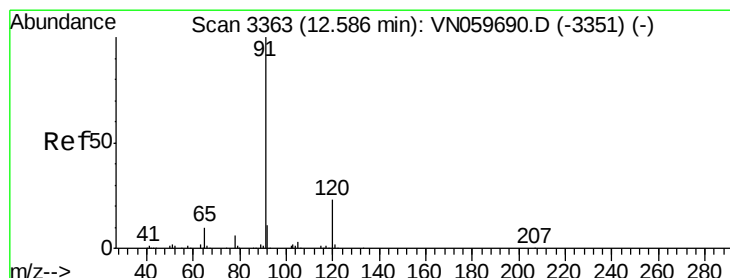
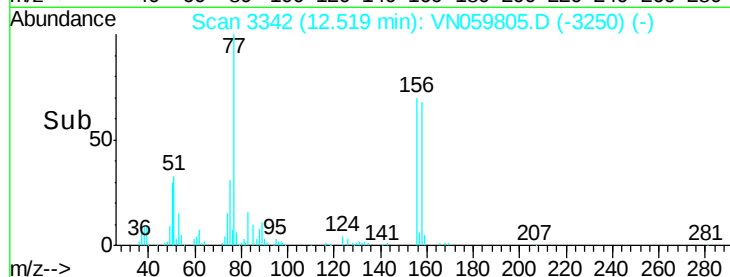
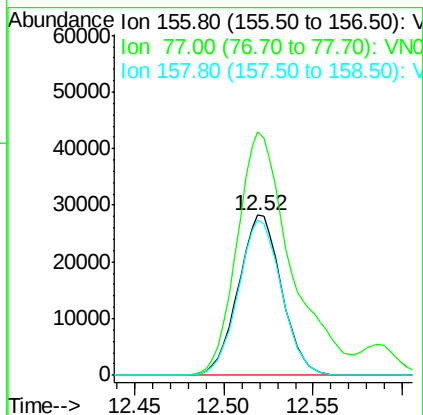
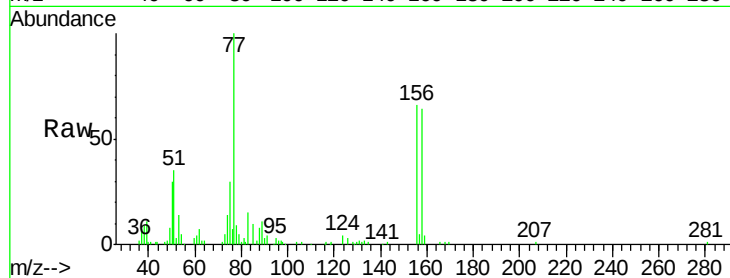
ClientSampleId :

VN0121WBSD01

Tot Ion:	156	Resp:	47625
Ion Ratio	Lower	Upper	
156	100		
77	189.8	115.8	347.4
158	97.2	49.2	147.6

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#78

n-propylbenzene

Concen: 20.354 ug/l

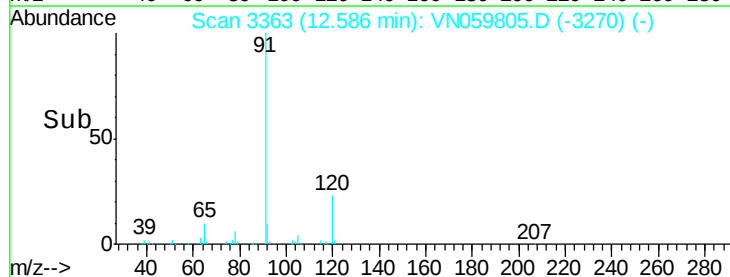
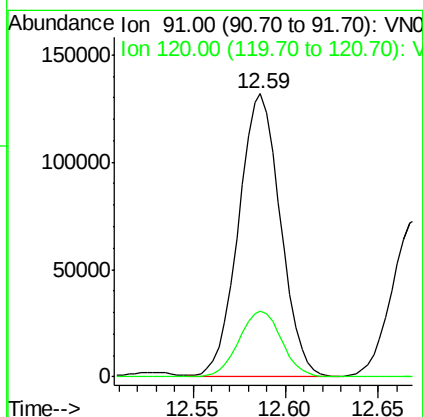
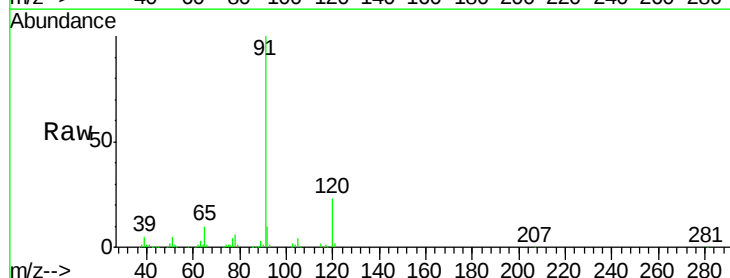
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	91	Resp:	205690
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.382 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

ClientSampleId :

VN0121WBSD01

Tot Ion: 91 Resp: 122535

Ion Ratio Lower Upper

91 100

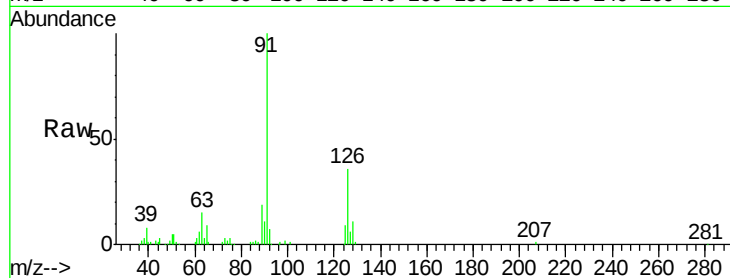
126 35.7 16.3 48.9

Manual Integrations

APPROVED

MMDadoda

1/22/2020 11:14:54 AM



Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

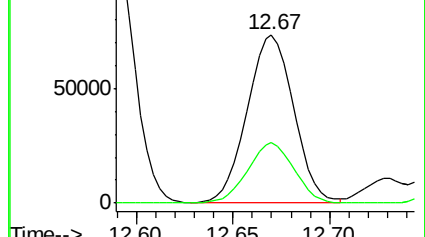
Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)

100000

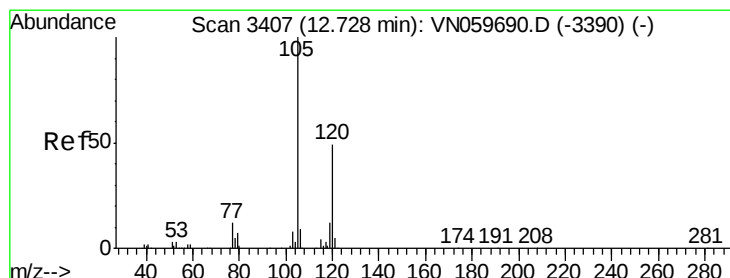
50000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.619 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059805.D

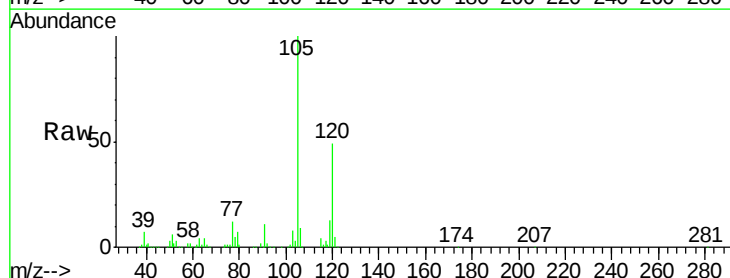
Acq: 21 Jan 2020 12:34

Tgt Ion: 105 Resp: 156126

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)

100000

80000

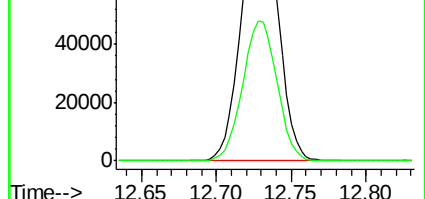
60000

40000

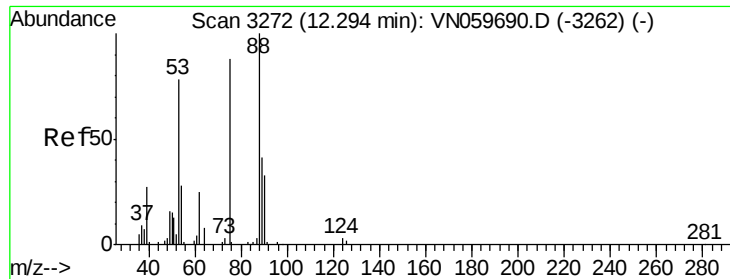
20000

0

12.65 12.70 12.75 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 19.437 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

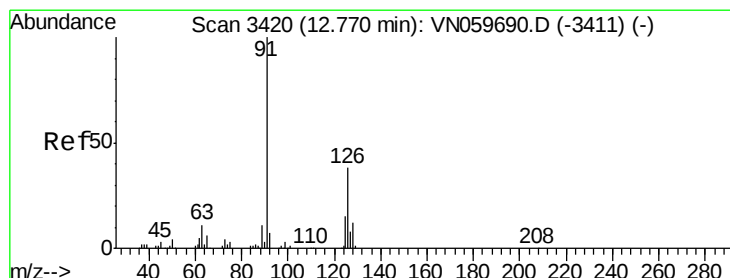
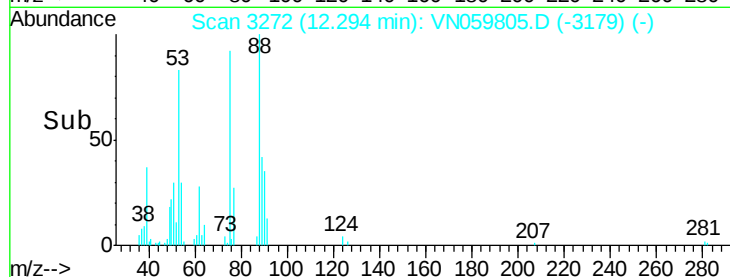
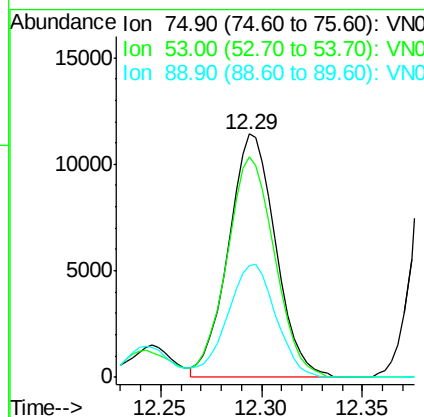
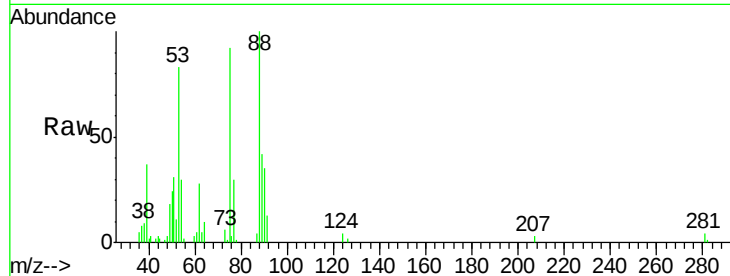
ClientSampleId :

VN0121WBSD01

Tot Ion:	75	Resp:	18700
Ion	Ratio	Lower	Upper
75	100		
53	91.5	78.1	117.1
89	47.6	35.4	53.2

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#82

4-Chlorotoluene

Concen: 20.440 ug/l

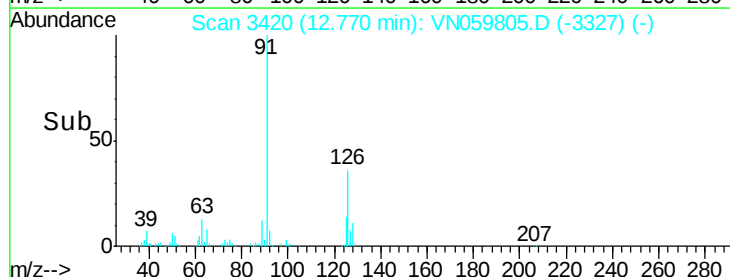
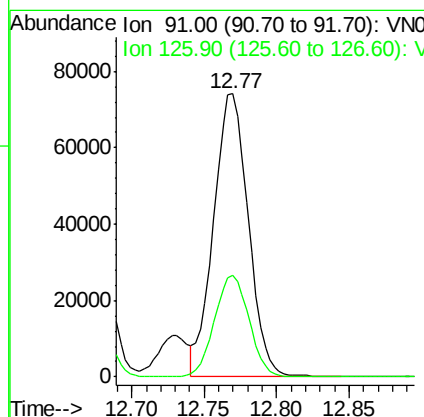
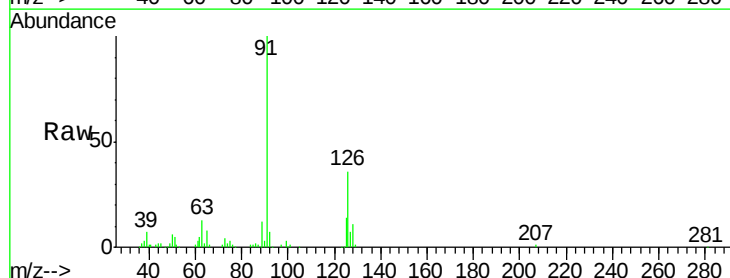
RT: 12.77 min Scan# 3420

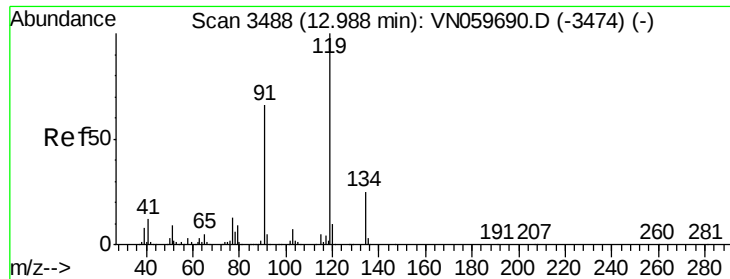
Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	91	Resp:	123253
Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.3	48.8





#83

tert-Butylbenzene

Concen: 20.446 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

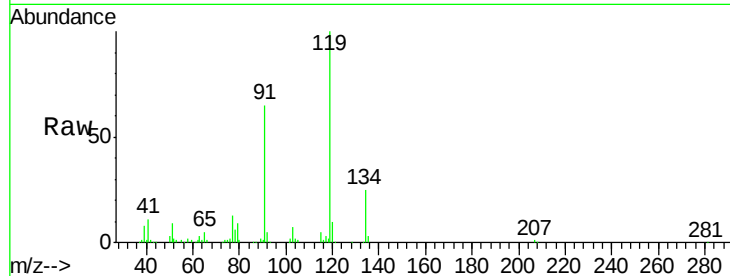
ClientSampleId :

VN0121WBSD01

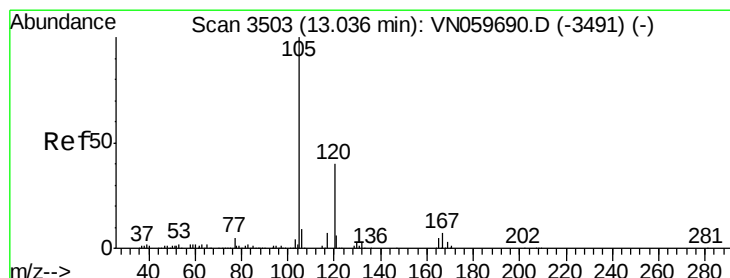
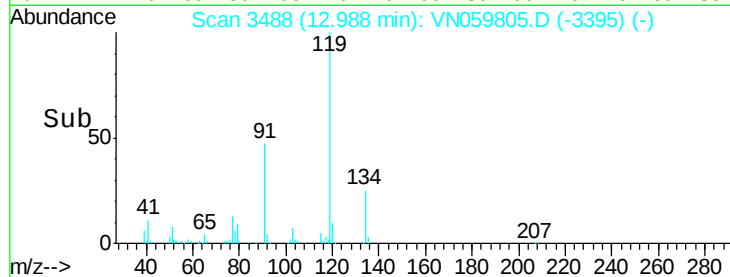
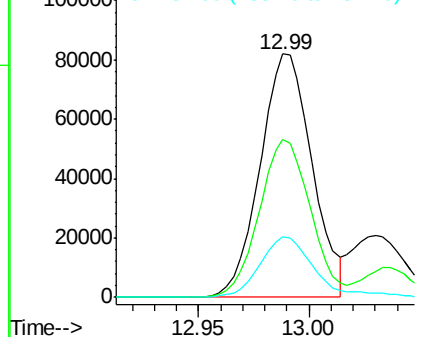
Tot Ion:	119	Resp:	133896
Ion Ratio	Lower	Upper	
119	100		
91	64.0	34.8	104.4
134	26.2	12.3	36.9

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.712 ug/l

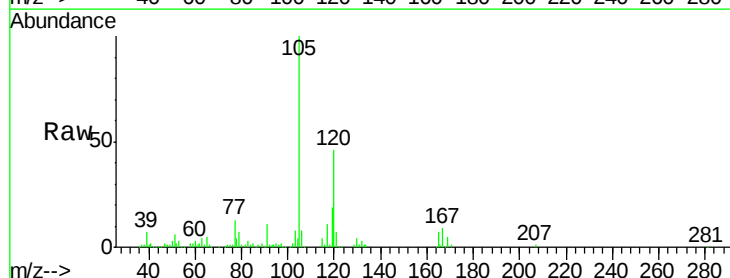
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

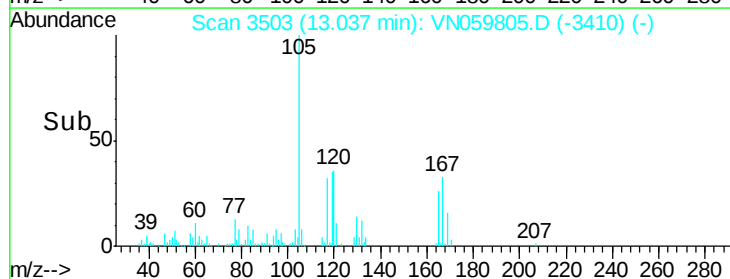
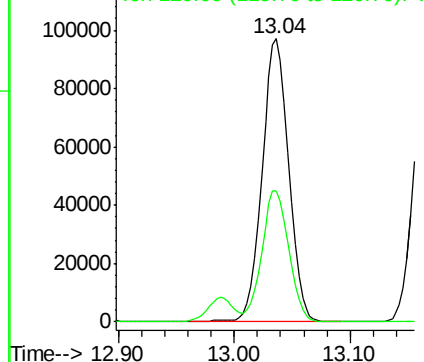
Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	105	Resp:	155159
Ion Ratio	Lower	Upper	
105	100		
120	46.7	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





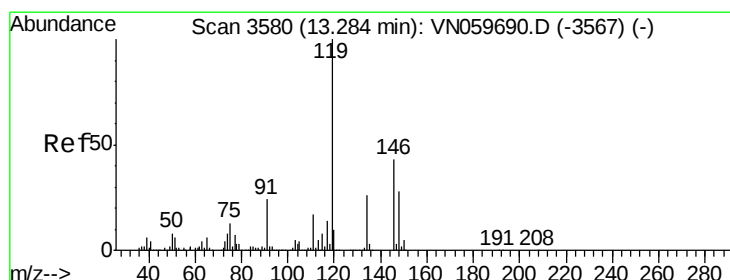
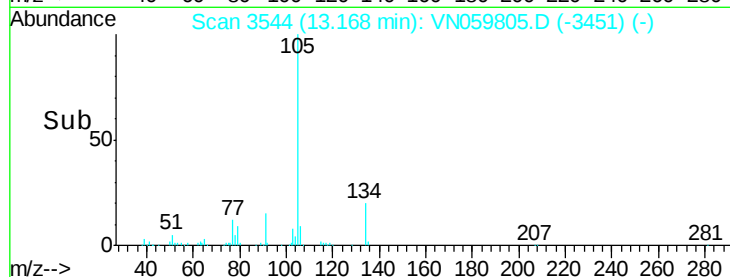
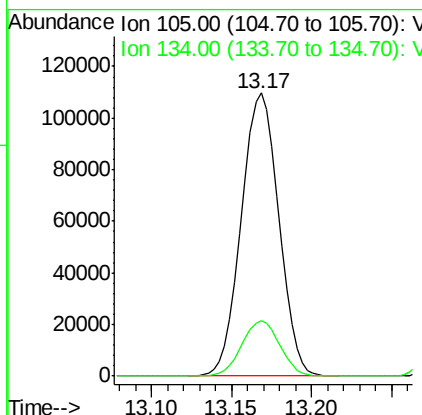
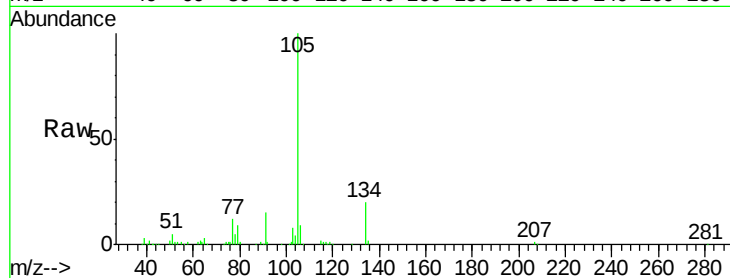
#85
 sec-Butylbenzene
 Concen: 20.342 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.5

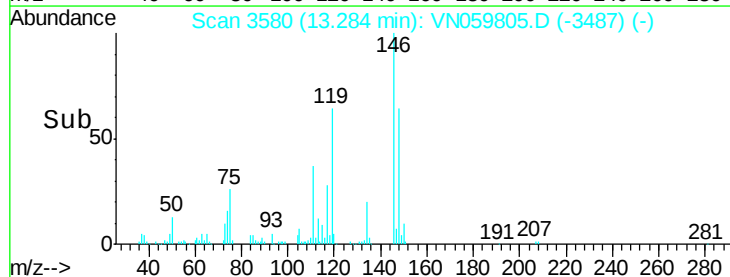
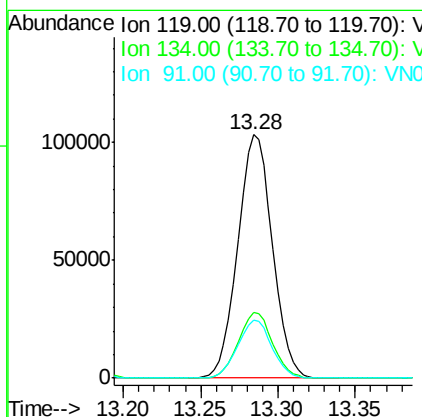
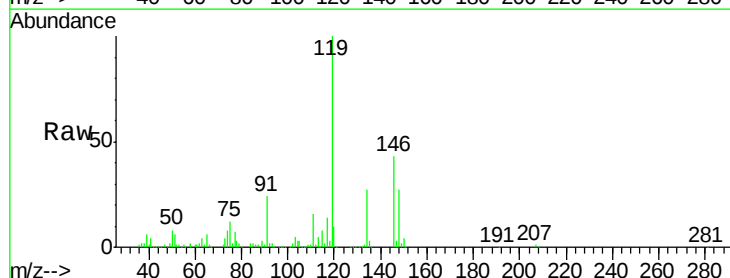
Manual Integrations
 APPROVED

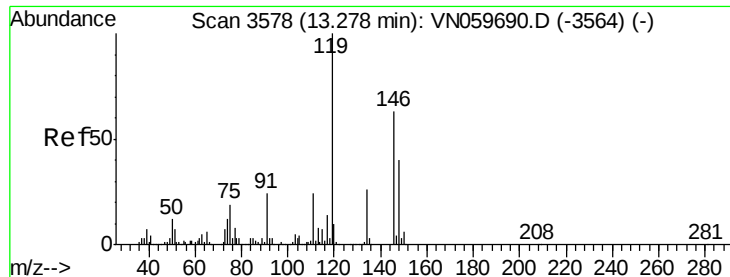
MMDadoda
 1/22/2020 11:14:54 AM



#86
 p-Isopropyltoluene
 Concen: 20.201 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.9	38.7
91	23.6	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 21.096 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059805.D

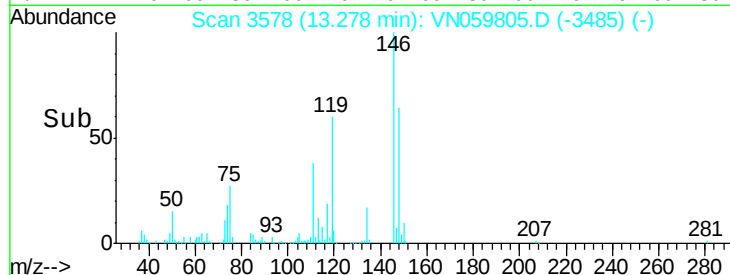
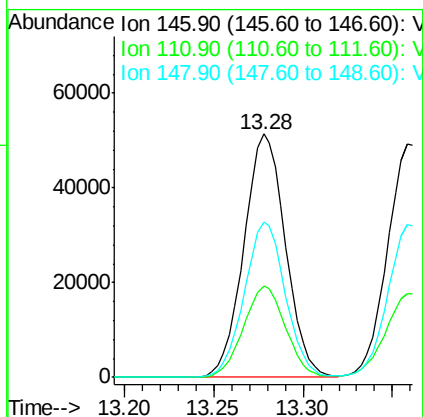
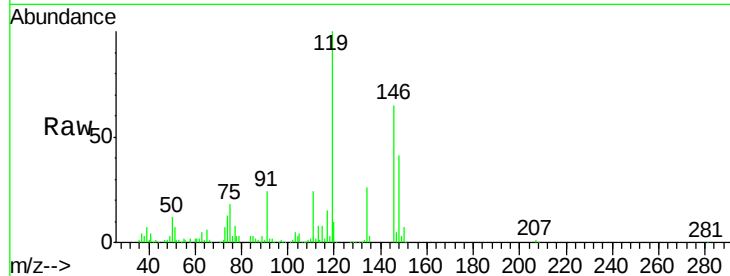
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	63.2	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#88

1,4-Dichlorobenzene

Concen: 20.741 ug/l

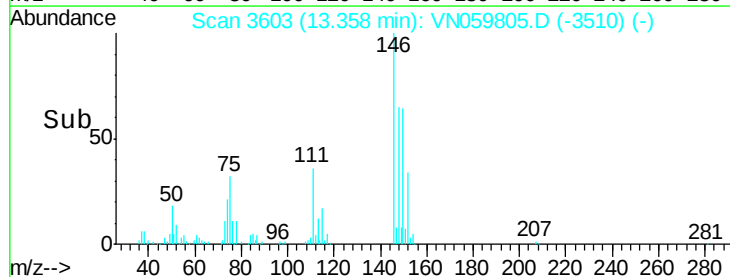
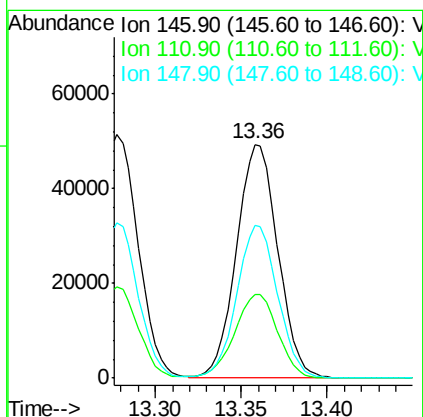
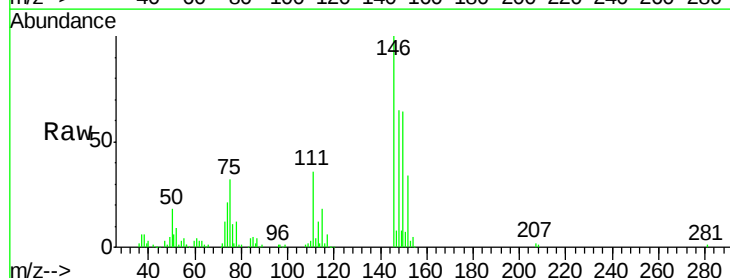
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.8	62.2
148	65.2	31.8	95.4





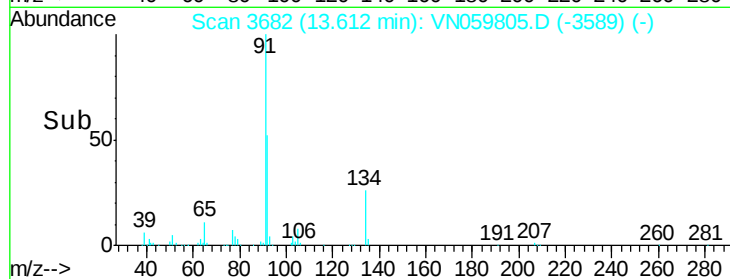
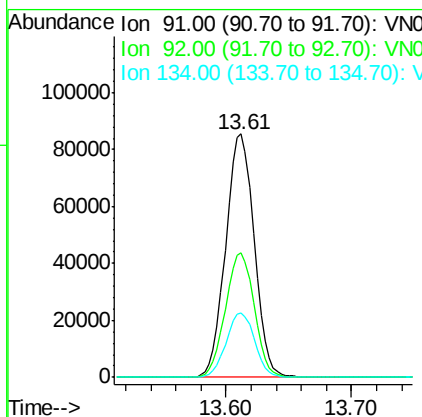
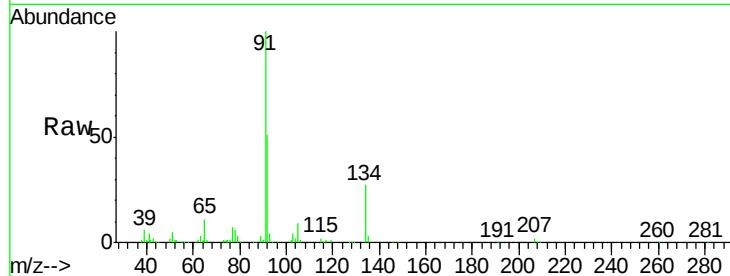
#89
n-Butylbenzene
Concen: 19.881 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Instrument :
MSVOA_N
ClientSampleId :
VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	26.5	12.3	36.8

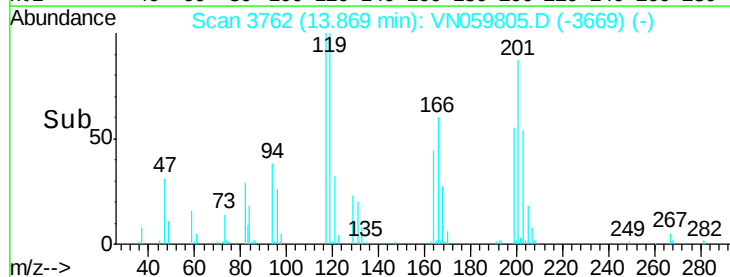
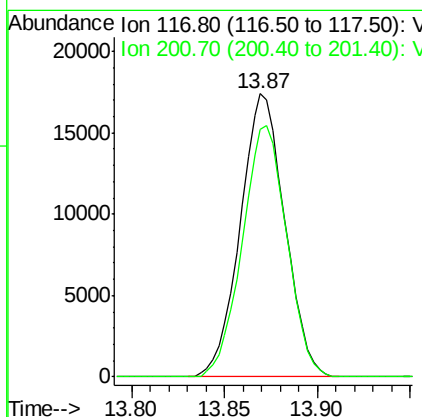
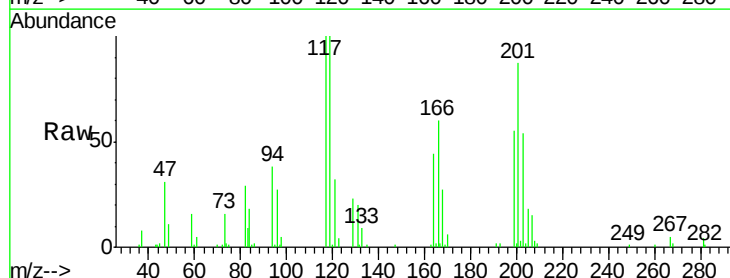
Manual Integrations
APPROVED

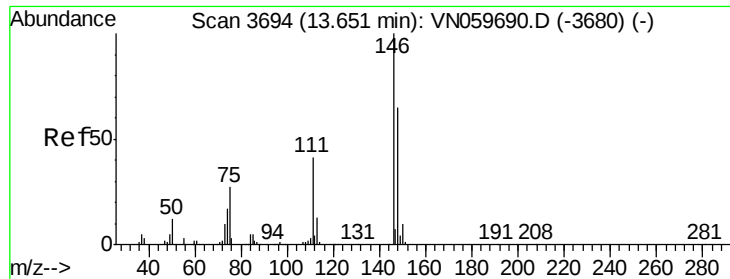
MMDadoda
1/22/2020 11:14:54 AM



#90
Hexachloroethane
Concen: 19.443 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059805.D
Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	37.8	113.4





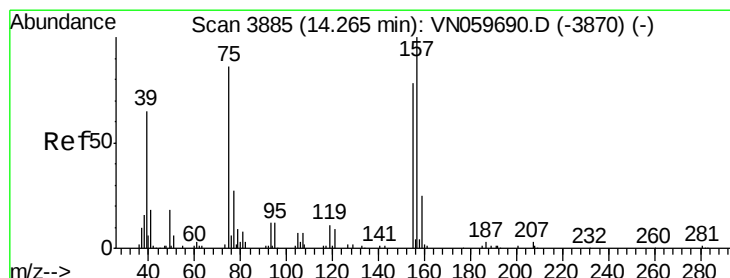
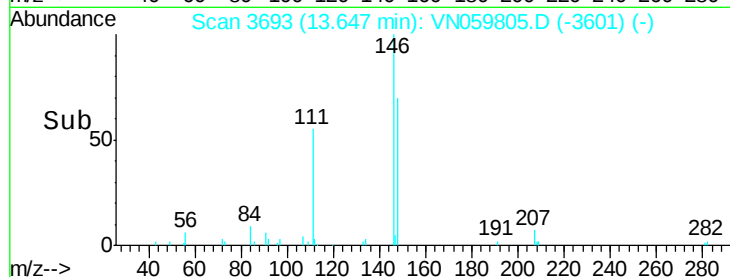
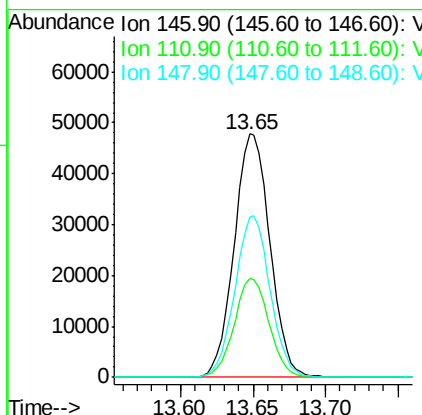
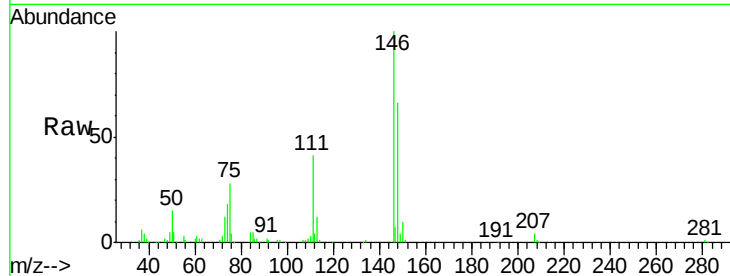
#91
 1,2-Dichlorobenzene
 Concen: 20.933 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	21.6	64.8
148	65.2	31.6	95.0

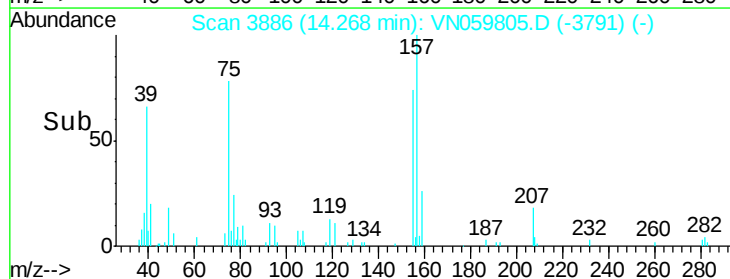
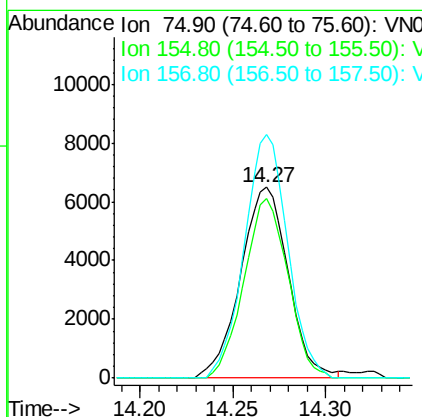
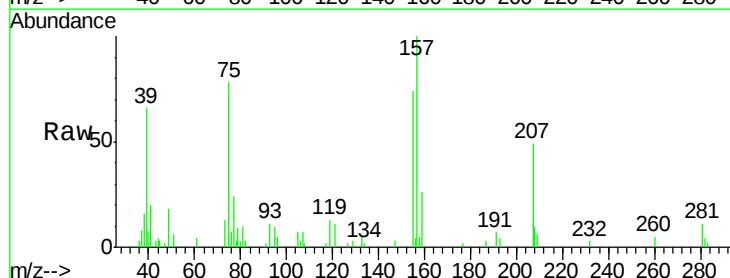
Manual Integrations
 APPROVED

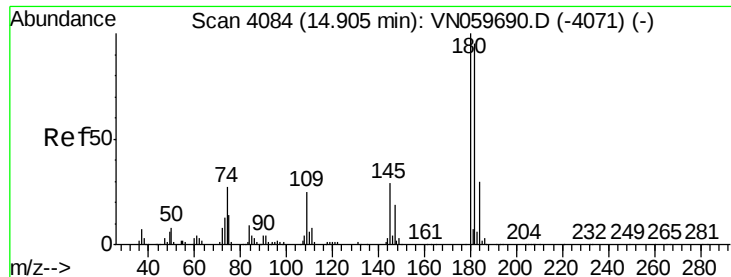
MMDadoda
 1/22/2020 11:14:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.429 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	37.0	110.9
157	115.8	48.4	145.2





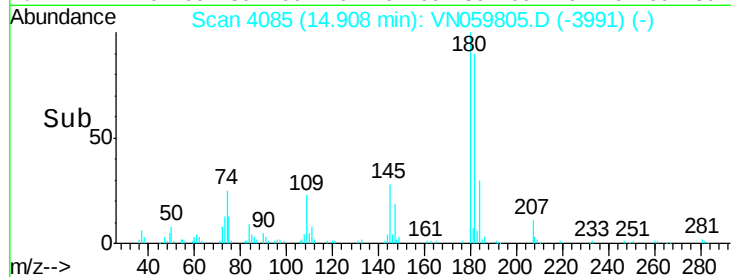
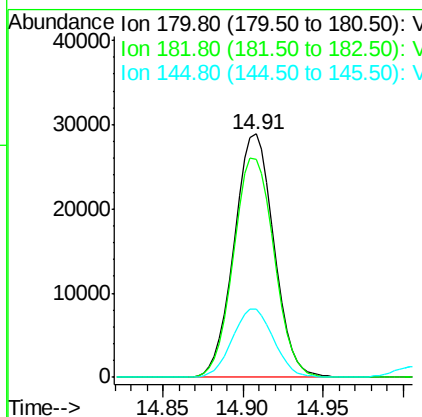
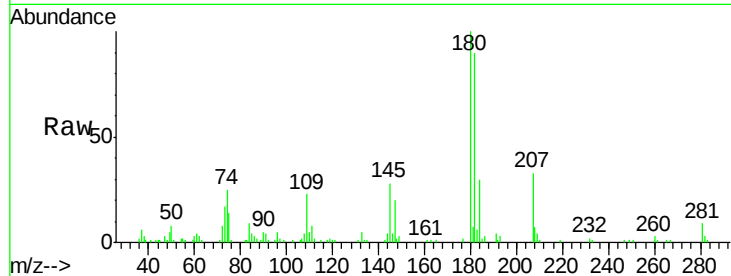
#93
 1,2,4-Trichlorobenzene
 Concen: 20.757 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0121WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.2	46.9	140.7	
145	29.0	15.0	45.1	

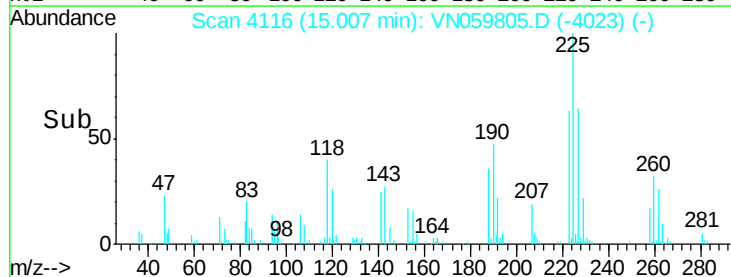
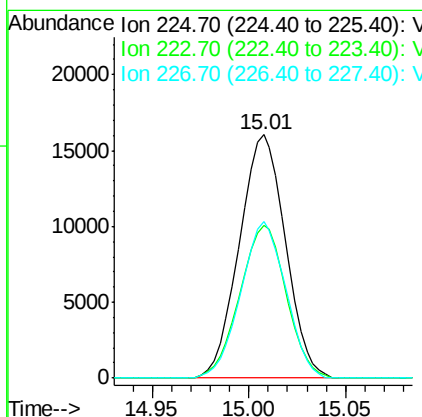
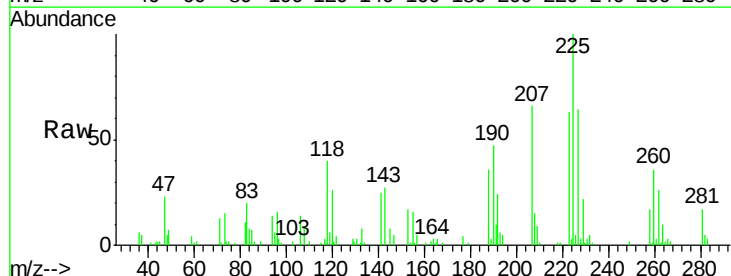
Manual Integrations
 APPROVED

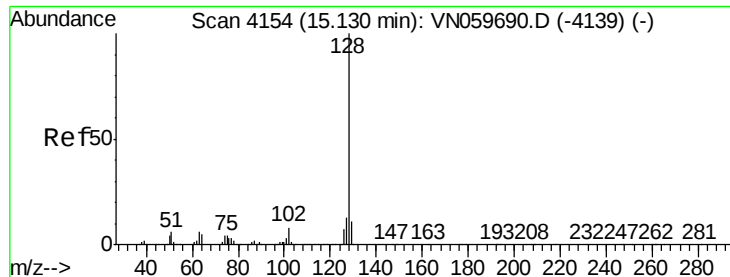
MMDadoda
 1/22/2020 11:14:54 AM



#94
 Hexachlorobutadiene
 Concen: 20.525 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059805.D
 Acq: 21 Jan 2020 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.8	95.3	
227	62.7	32.1	96.5	





#95

Naphthalene

Concen: 19.461 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Instrument :

MSVOA_N

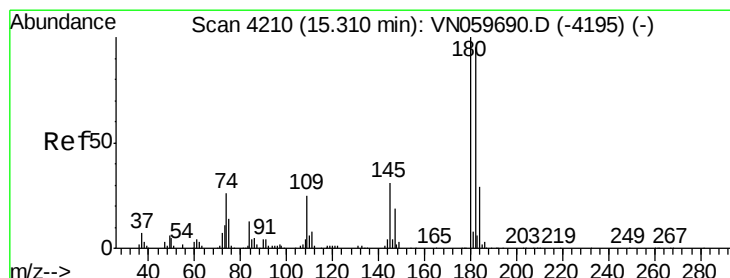
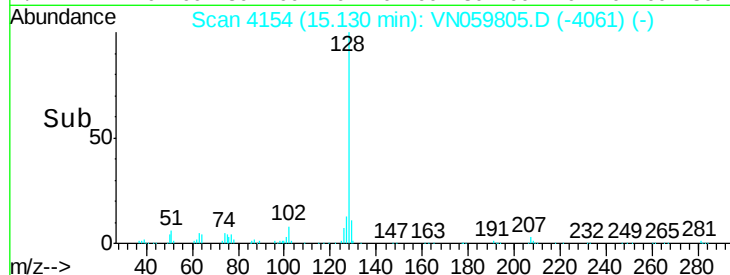
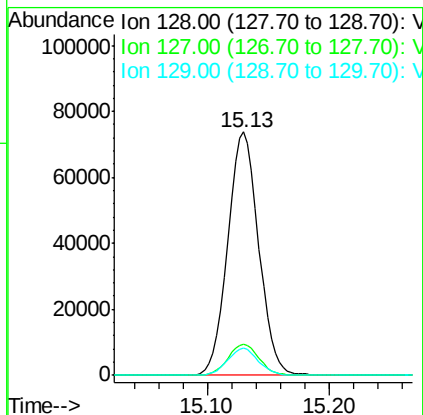
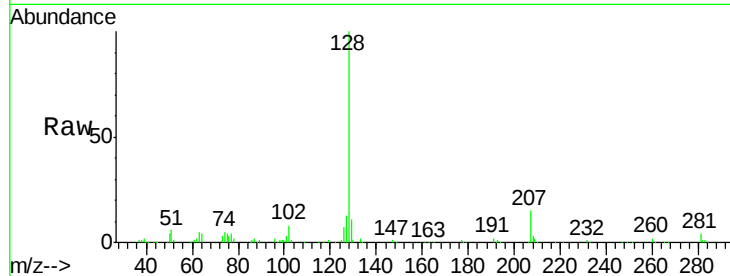
ClientSampleId :

VN0121WBSD01

Tot Ion:	128	Resp:	130232
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/22/2020 11:14:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.732 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059805.D

Acq: 21 Jan 2020 12:34

Tgt Ion:	180	Resp:	47478
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.4	142.3
145	30.5	16.3	48.9

