

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057359.D
 Acq On : 16 Aug 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:19 PM

Quant Time: Aug 19 09:14:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	894435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1301464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1190962	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	471865	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	455863	46.88	ug/l	0.00
Spiked Amount			Recovery	=	93.76%	
35) Dibromofluoromethane	7.58	113	413098	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.08	98	1561082	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	533200	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	339779	44.147	ug/l	98
3) Chloromethane	2.05	50	388640	42.780	ug/l	100
4) Vinyl Chloride	2.18	62	377502	44.169	ug/l	98
5) Bromomethane	2.53	94	295283m	48.468	ug/l	
6) Chloroethane	2.69	64	264008	44.908	ug/l	99
7) Trichlorofluoromethane	3.01	101	610558	45.543	ug/l	98
8) Diethyl Ether	3.40	74	233057	46.189	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	368175	46.744	ug/l	98
10) Methyl Iodide	3.95	142	619941	49.241	ug/l	99
11) Tert butyl alcohol	4.76	59	313967	227.128	ug/l	100
12) 1,1-Dichloroethene	3.73	96	361890	46.114	ug/l	98
13) Acrolein	3.60	56	149077	177.649	ug/l	99
14) Allyl chloride	4.31	41	567606	45.121	ug/l	98
15) Acrylonitrile	4.97	53	885062	235.834	ug/l	100
16) Acetone	3.80	43	770191	228.336	ug/l	99
17) Carbon Disulfide	4.05	76	946939	44.789	ug/l	100
18) Methyl Acetate	4.31	43	406337	44.834	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	1162209	47.198	ug/l	99
20) Methylene Chloride	4.54	84	428032	45.354	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	390139	46.229	ug/l	95
22) Diisopropyl ether	5.93	45	1138072	45.797	ug/l	99
23) Vinyl Acetate	5.88	43	4634727	231.741	ug/l	98
24) 1,1-Dichloroethane	5.84	63	694621	45.434	ug/l	99
25) 2-Butanone	6.82	43	1123551	230.021	ug/l	95
26) 2,2-Dichloropropane	6.81	77	604182	48.899	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	465560	46.597	ug/l	99
28) Bromochloromethane	7.19	49	322147	47.424	ug/l #	97
29) Tetrahydrofuran	7.20	42	694392	224.636	ug/l	98
30) Chloroform	7.36	83	725658	45.292	ug/l	98
31) Cyclohexane	7.64	56	576660	43.525	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	644437	47.822	ug/l	99
36) 1,1-Dichloropropene	7.79	75	531698	46.270	ug/l	99
37) Ethyl Acetate	6.91	43	447768	47.576	ug/l	99
38) Carbon Tetrachloride	7.77	117	570921	47.818	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057359.D
 Acq On : 16 Aug 2019 17:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:19:19 PM

Quant Time: Aug 19 09:14:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	629236	46.895	ug/l	99
40) Benzene	8.03	78	1649076	46.919	ug/l	98
41) Methacrylonitrile	7.16	41	224163	52.889	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	534444	45.944	ug/l	98
43) Isopropyl Acetate	8.15	43	769714	44.598	ug/l	95
44) Trichloroethene	8.83	130	473289	47.897	ug/l	100
45) 1,2-Dichloropropane	9.11	63	423830	46.783	ug/l	100
46) Dibromomethane	9.20	93	284450	47.065	ug/l	98
47) Bromodichloromethane	9.40	83	578512	48.311	ug/l	99
48) Methyl methacrylate	9.19	41	357091	46.074	ug/l	98
49) 1,4-Dioxane	9.19	88	152145	933.487	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2269131	233.701	ug/l	99
52) Toluene	10.15	92	1055433	48.245	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	642173	49.578	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	702602	49.191	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	419387	48.753	ug/l	99
56) Ethyl methacrylate	10.43	69	625294	49.810	ug/l	98
57) 1,3-Dichloropropane	10.70	76	680030	47.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	696197	191.297	ug/l	98
59) 2-Hexanone	10.75	43	1646227	235.834	ug/l	98
60) Dibromochloromethane	10.90	129	483809	50.188	ug/l	100
61) 1,2-Dibromoethane	11.00	107	448665	48.962	ug/l	99
64) Tetrachloroethene	10.63	164	479387	46.562	ug/l	97
65) Chlorobenzene	11.43	112	1169652	48.153	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	453758	48.778	ug/l	100
67) Ethyl Benzene	11.51	91	2047200	48.173	ug/l	100
68) m/p-Xylenes	11.62	106	1552589	99.160	ug/l	98
69) o-Xylene	11.95	106	763049	49.634	ug/l	98
70) Styrene	11.96	104	1251421	51.066	ug/l	99
71) Bromoform	12.13	173	377747	51.472	ug/l #	98
73) Isopropylbenzene	12.25	105	2027716	54.332	ug/l	99
74) N-amyl acetate	12.07	43	619553	45.248	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	561663	53.899	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	478018m	51.500	ug/l	
77) Bromobenzene	12.53	156	542695	53.822	ug/l	97
78) n-propylbenzene	12.59	91	2119105	46.636	ug/l	99
79) 2-Chlorotoluene	12.67	91	1308689	52.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1692429	53.386	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	187801	48.531	ug/l	96
82) 4-Chlorotoluene	12.77	91	1262783	46.898	ug/l	99
83) tert-Butylbenzene	12.99	119	1502689	54.084	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1607089	47.285	ug/l	99
85) sec-Butylbenzene	13.17	105	1855991	52.055	ug/l	100
86) p-Isopropyltoluene	13.29	119	1653002	47.505	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	814350	49.257	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	760732	48.473	ug/l	100
89) n-Butylbenzene	13.62	91	1278590	51.543	ug/l	99
90) Hexachloroethane	13.88	117	313860	53.182	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	764018	49.574	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73739	43.823	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
Data File : VN057359.D
Acq On : 16 Aug 2019 17:09
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

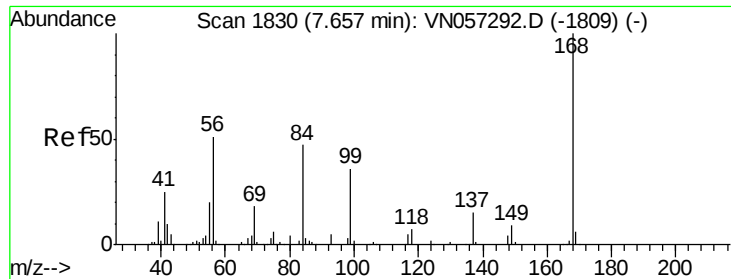
Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM

Quant Time: Aug 19 09:14:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	279342	45.825	ug/l	98
94) Hexachlorobutadiene	15.01	225	328511	56.152	ug/l	97
95) Naphthalene	15.13	128	555460	56.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	258989	58.074	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 894435

Ion Ratio Lower Upper

168 100

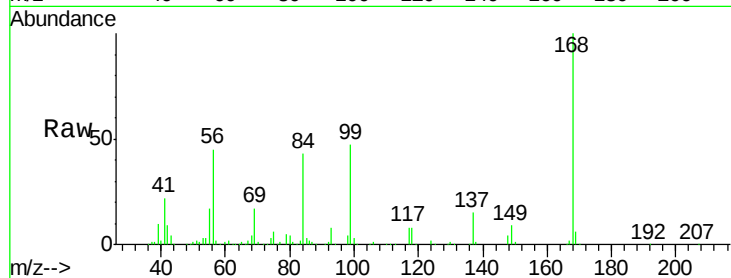
99 47.1 39.4 59.2

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

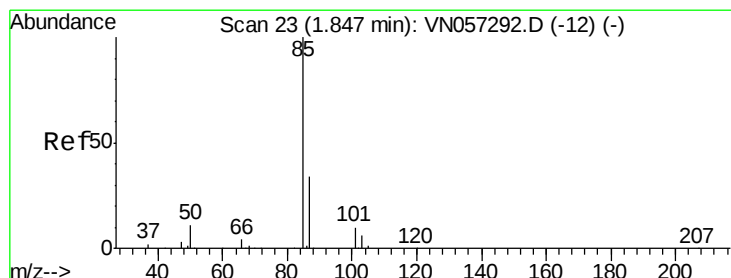
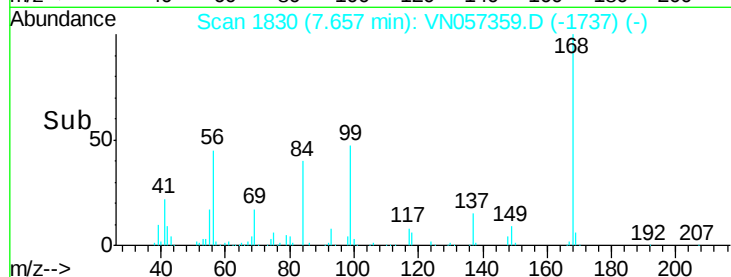
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.147 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057359.D

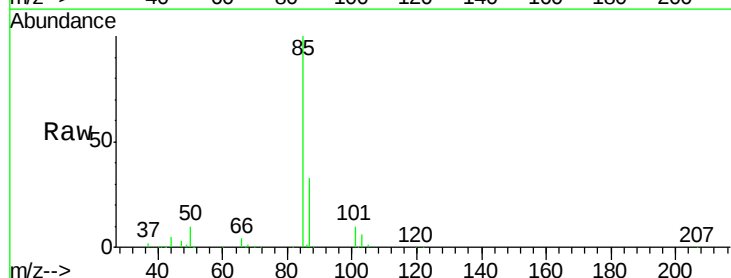
Acq: 16 Aug 2019 17:09

Tgt Ion: 85 Resp: 339779

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

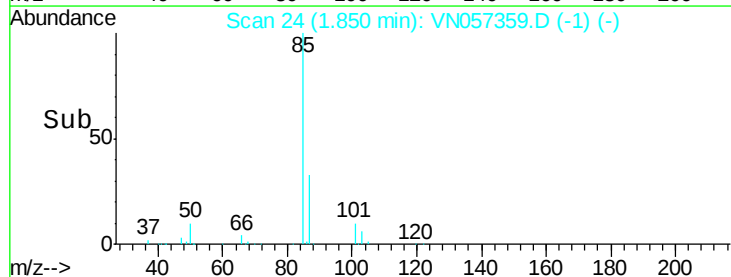
150000

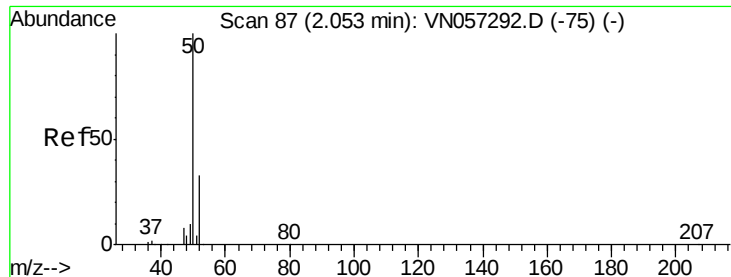
100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.780 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 388640

Ion Ratio Lower Upper

50 100

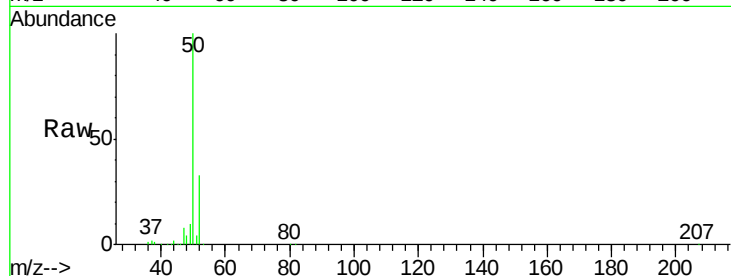
52 33.3 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

250000

200000

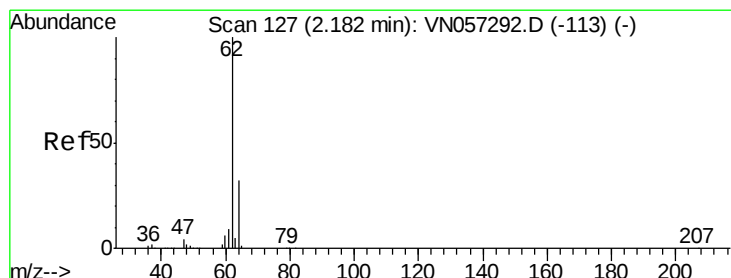
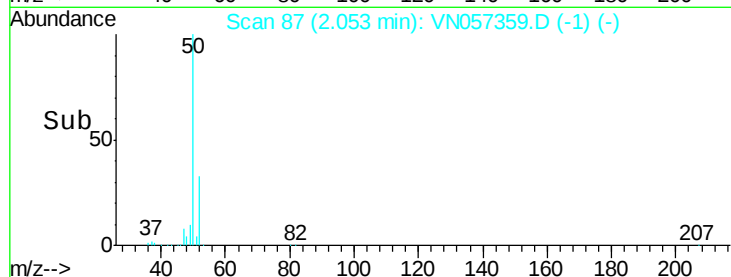
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.169 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057359.D

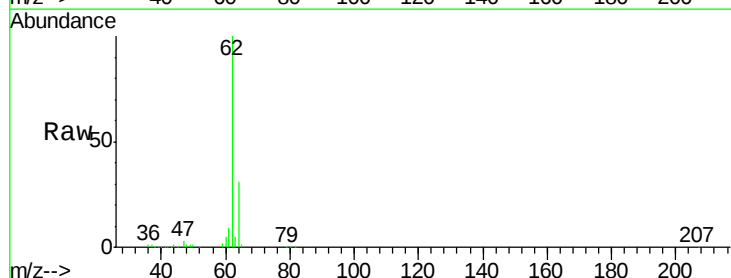
Acq: 16 Aug 2019 17:09

Tgt Ion: 62 Resp: 377502

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

250000

200000

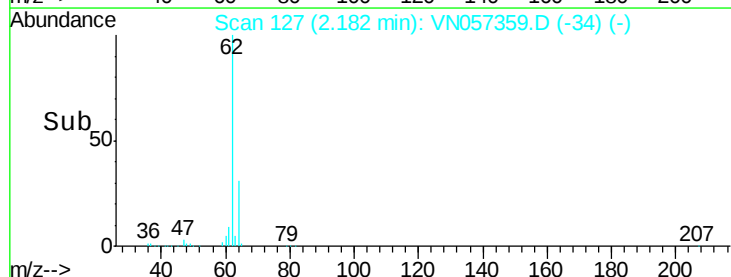
150000

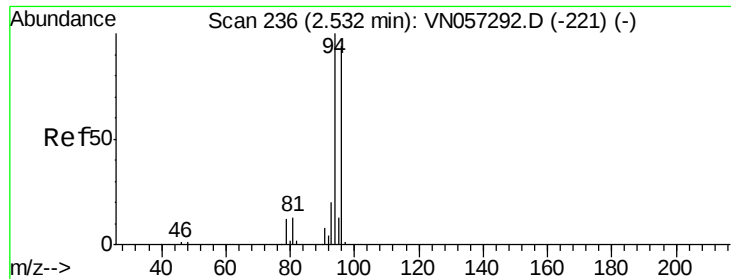
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.468 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 295283

Ion Ratio Lower Upper

94 100

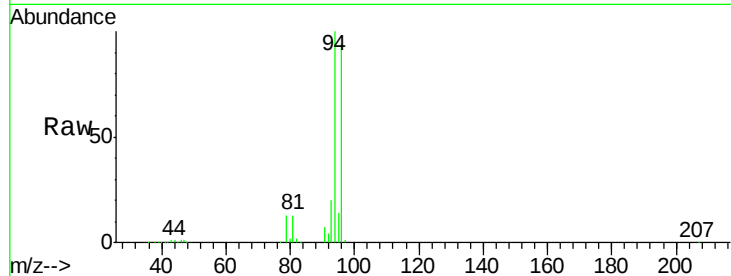
96 94.3 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

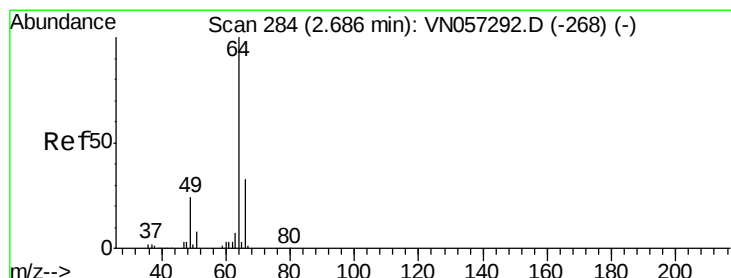
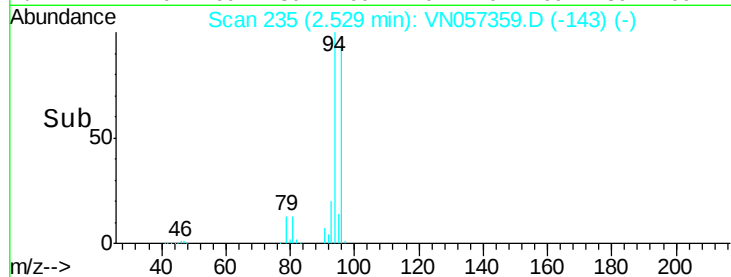
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 44.908 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057359.D

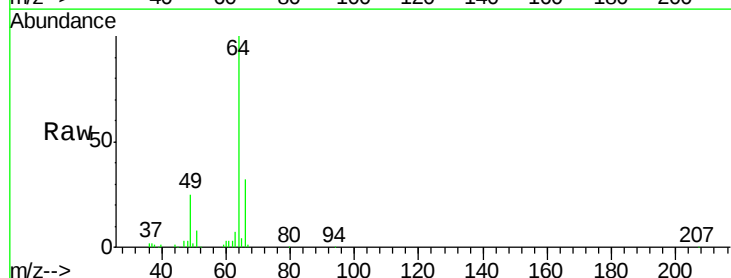
Acq: 16 Aug 2019 17:09

Tgt Ion: 64 Resp: 264008

Ion Ratio Lower Upper

64 100

66 32.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

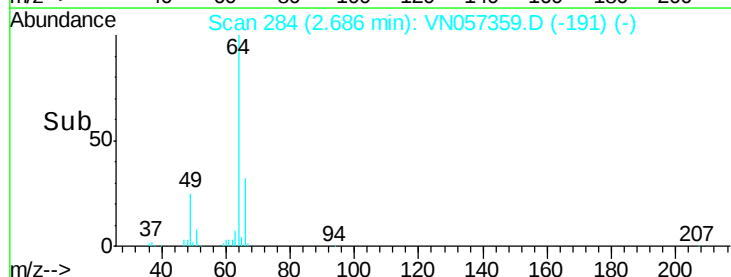
2.69

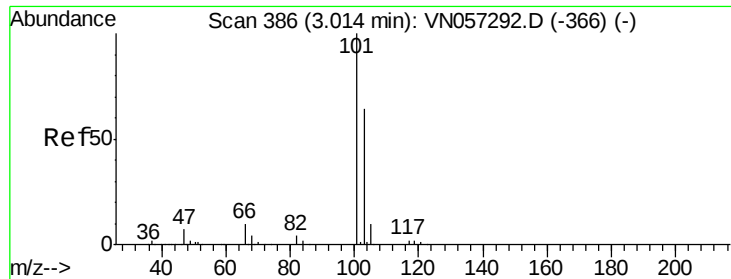
100000

50000

0

Time-->





#7

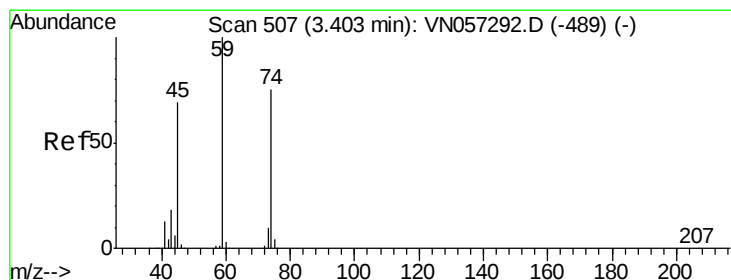
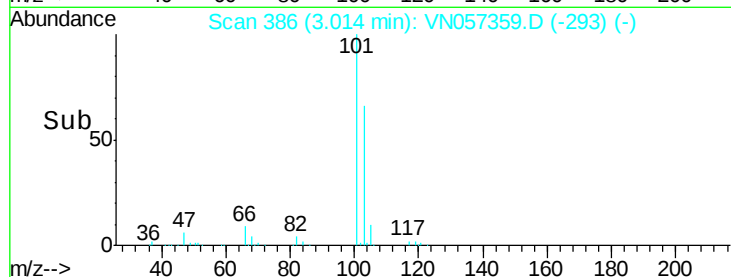
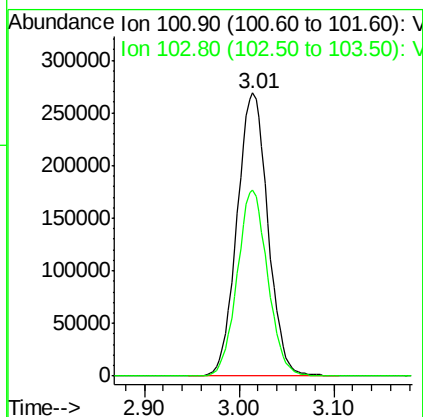
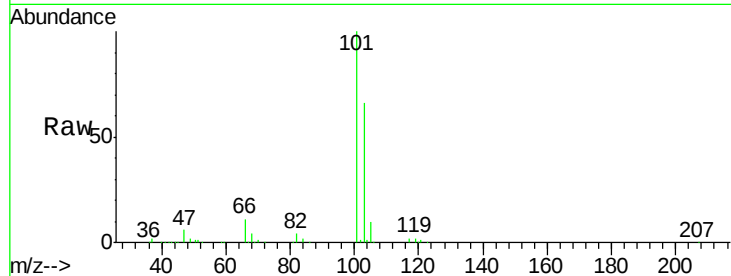
Trichlorofluoromethane
Concen: 45.543 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.5	77.3

Manual Integrations
APPROVED

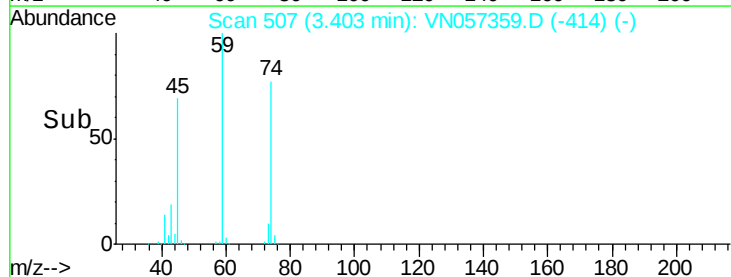
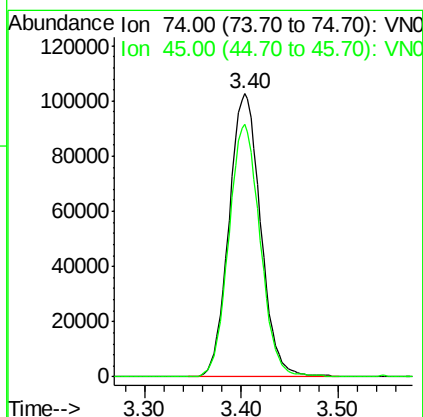
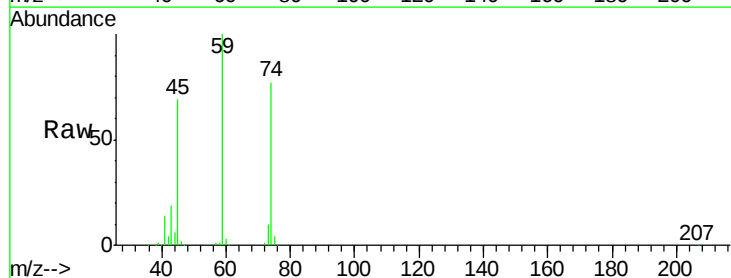
MMDadoda
8/19/2019 12:19:19 PM

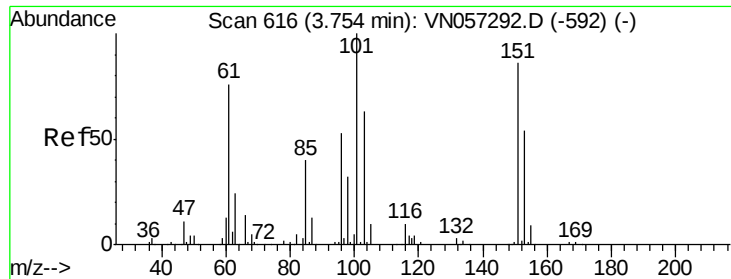


#8

Diethyl Ether
Concen: 46.189 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.744 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

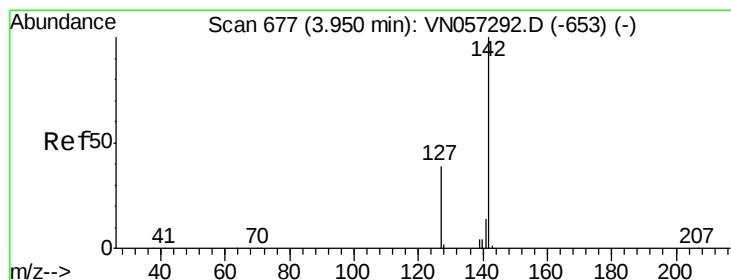
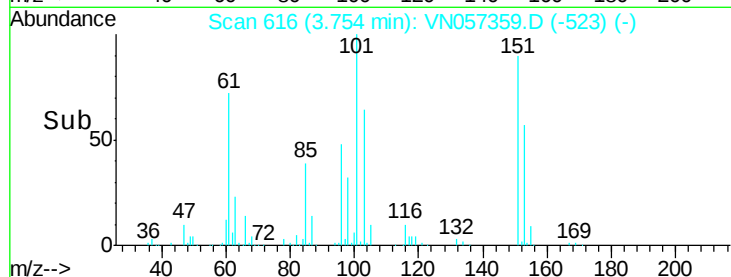
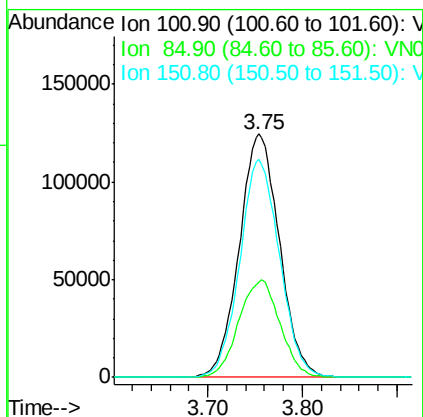
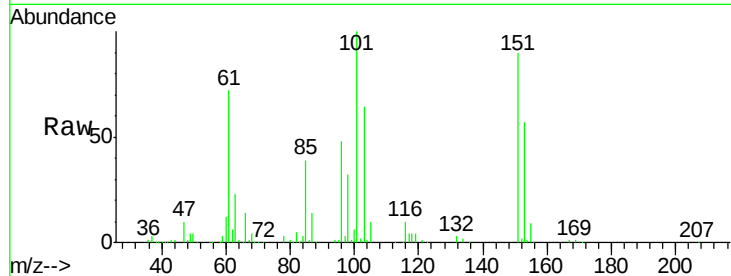
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	368175
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	88.6	69.1	103.7

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#10

Methyl Iodide

Concen: 49.241 ug/l

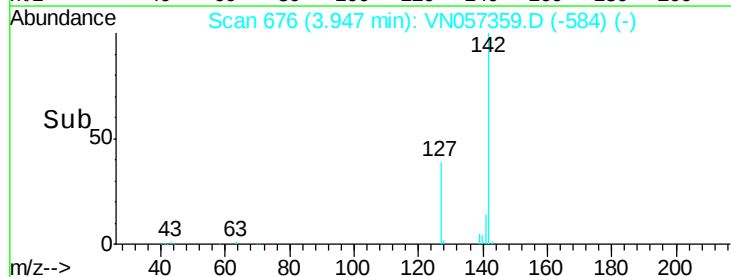
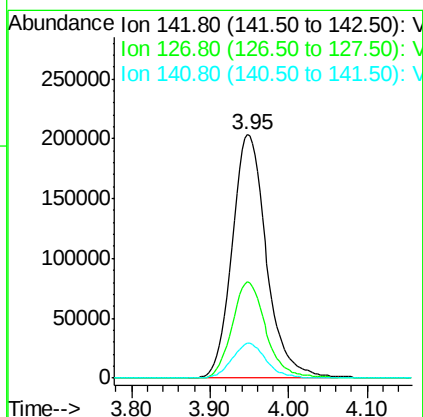
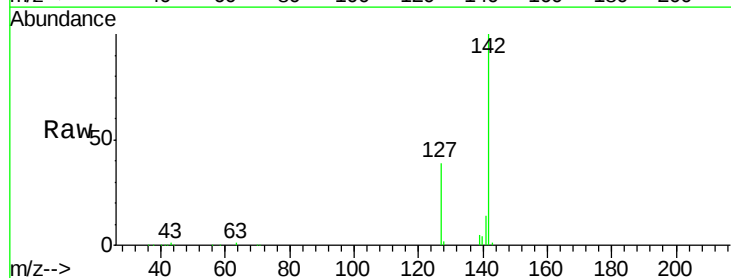
RT: 3.95 min Scan# 676

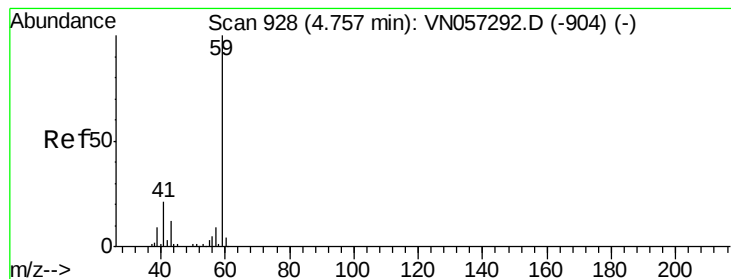
Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	142	Resp:	619941
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.6	47.4
141	14.3	11.2	16.8





#11

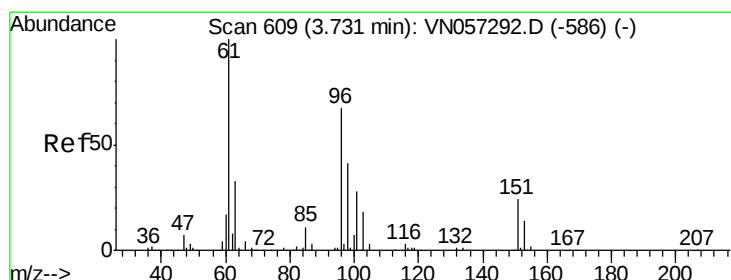
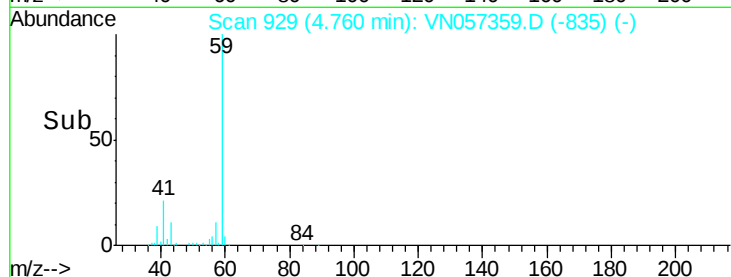
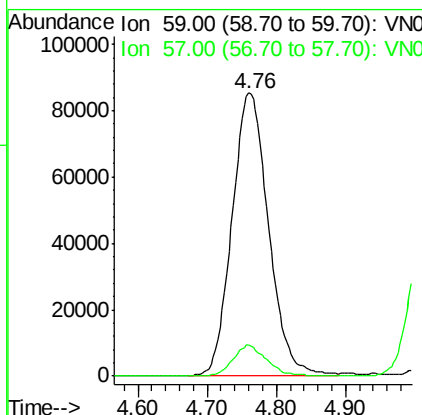
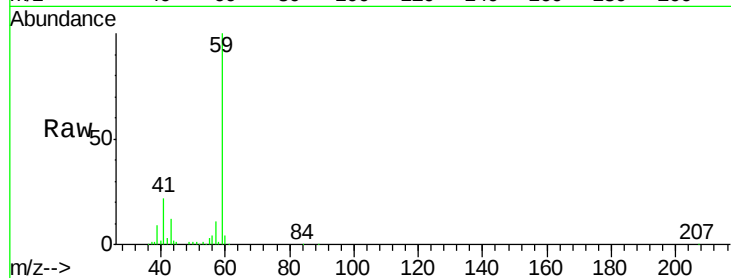
Tert butyl alcohol
Concen: 227.128 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.2

Manual Integrations
APPROVED

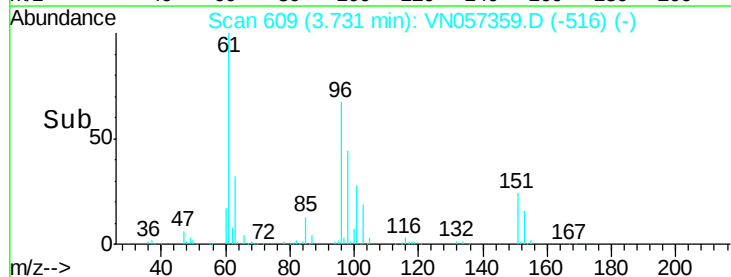
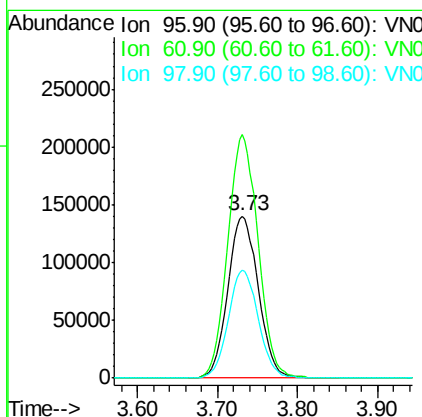
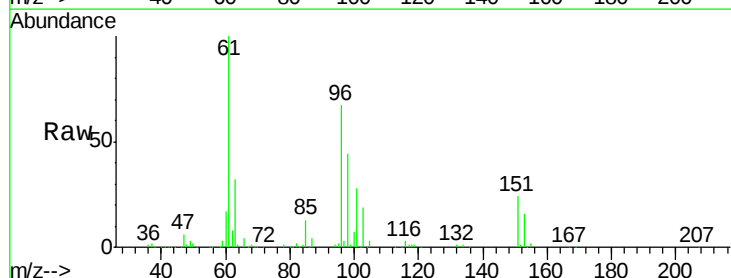
MMDadoda
8/19/2019 12:19:19 PM

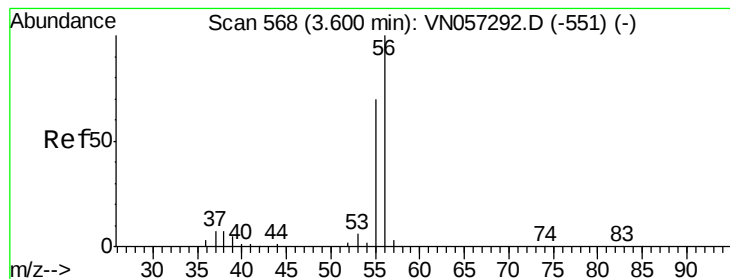


#12

1,1-Dichloroethene
Concen: 46.114 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	119.7	179.5
98	66.4	49.0	73.4





#13

Acrolein

Concen: 177.649 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 149077

Ion Ratio Lower Upper

56 100

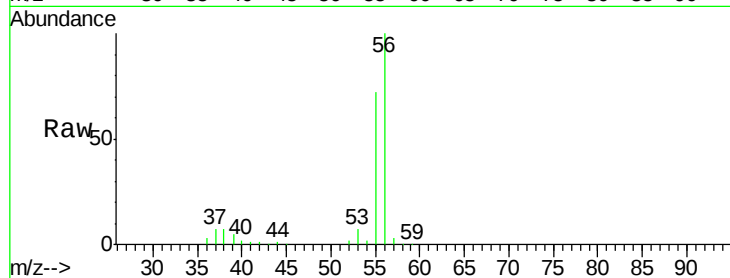
55 71.3 56.6 84.8

Manual Integrations

APPROVED

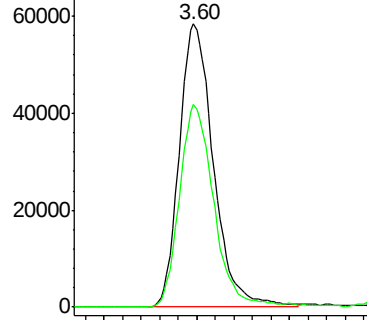
MMDadoda

8/19/2019 12:19:19 PM

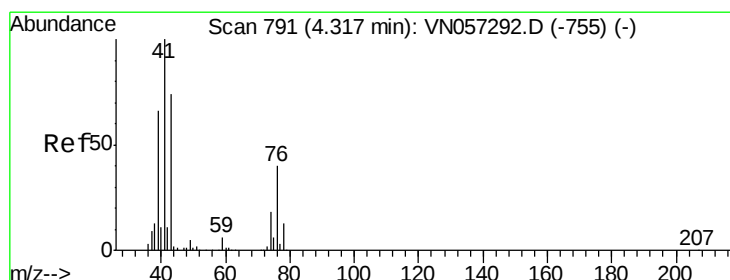
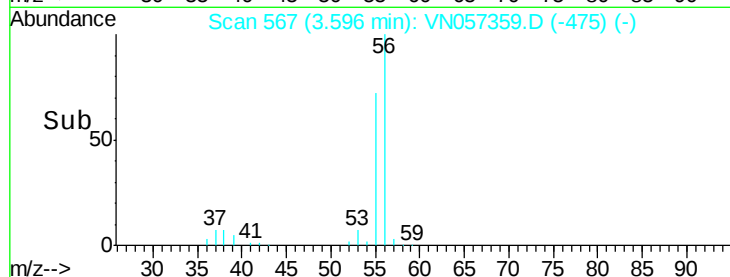


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 45.121 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

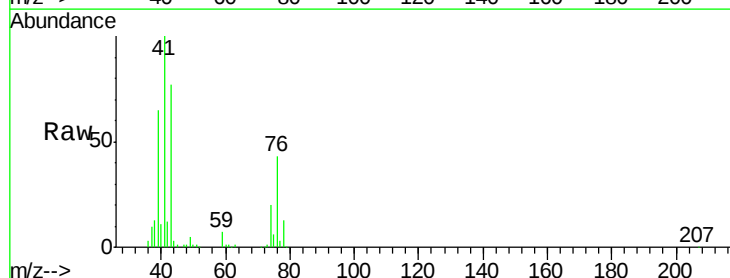
Tgt Ion: 41 Resp: 567606

Ion Ratio Lower Upper

41 100

39 60.2 49.0 73.6

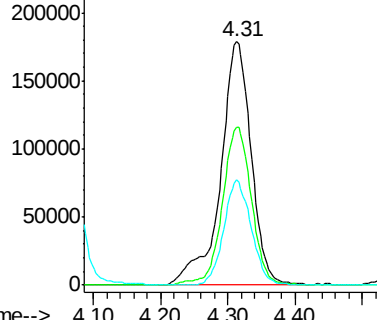
76 38.1 29.0 43.4



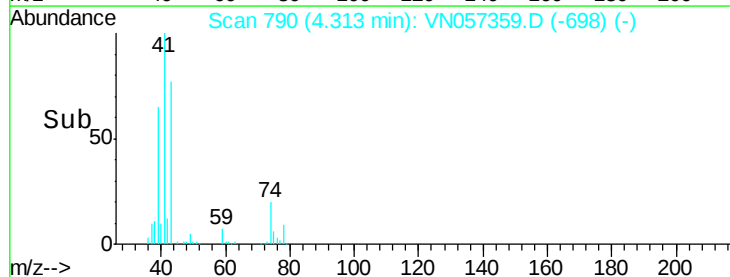
Abundance Ion 41.00 (40.70 to 41.70): VN0

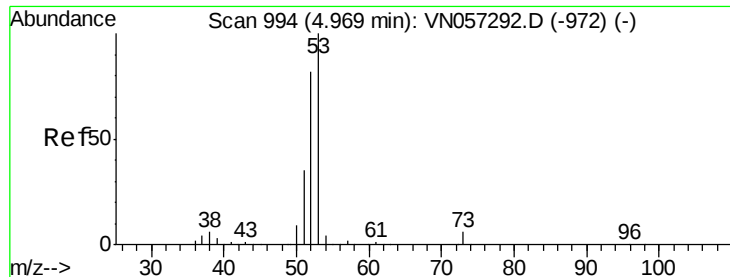
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 235.834 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

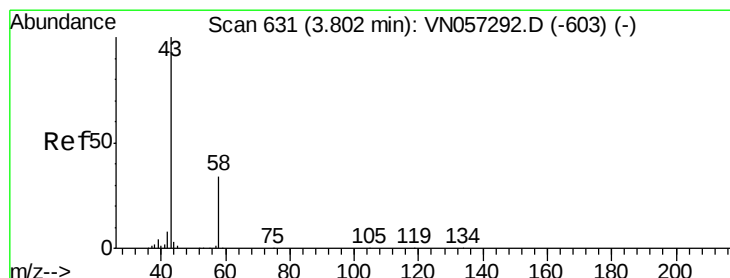
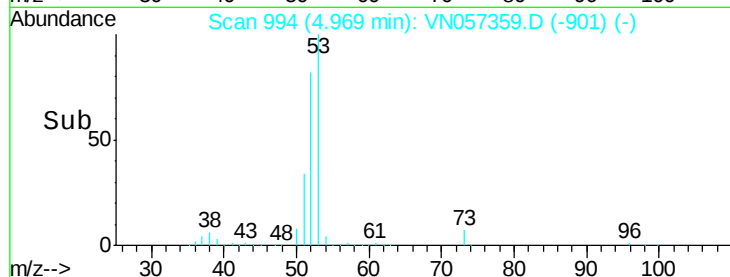
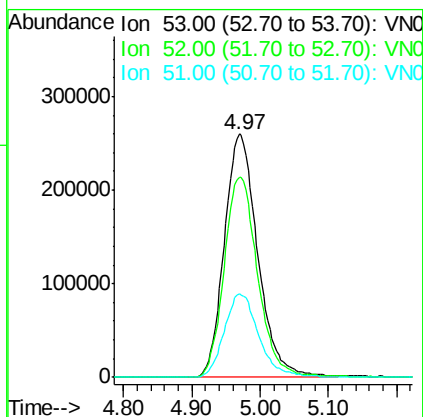
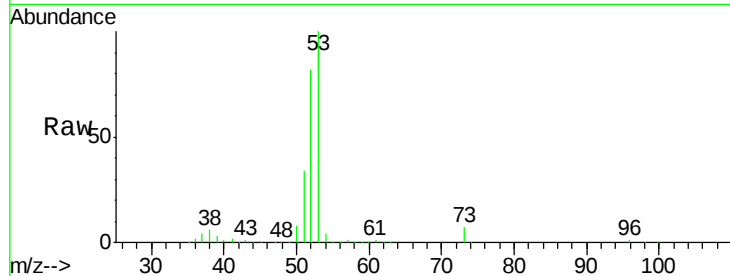
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	885062
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.2	99.2
51	35.5	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#16

Acetone

Concen: 228.336 ug/l

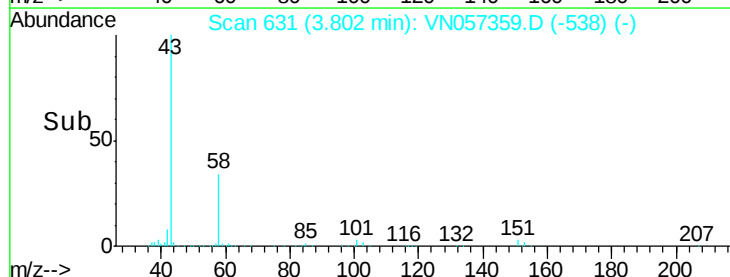
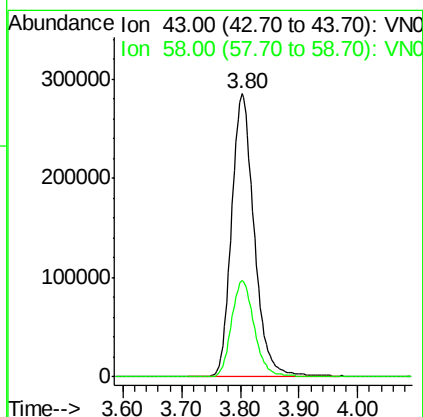
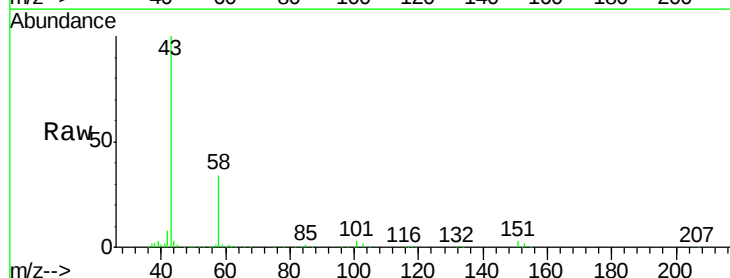
RT: 3.80 min Scan# 631

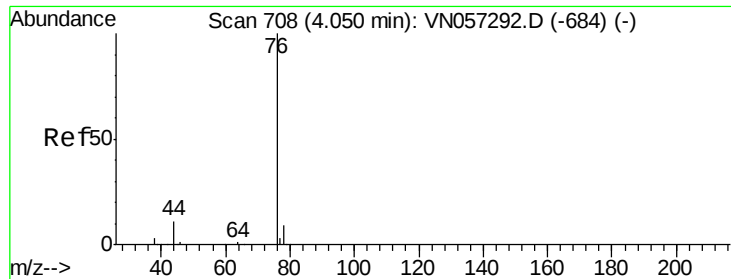
Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	43	Resp:	770191
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.0	40.6





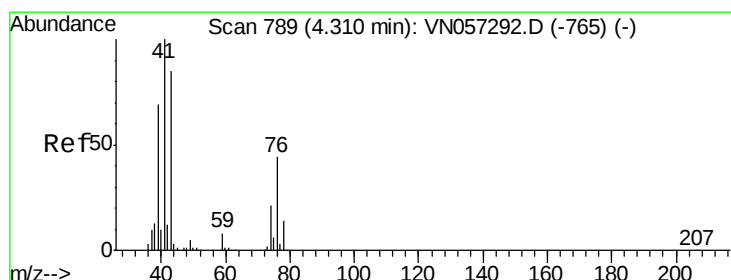
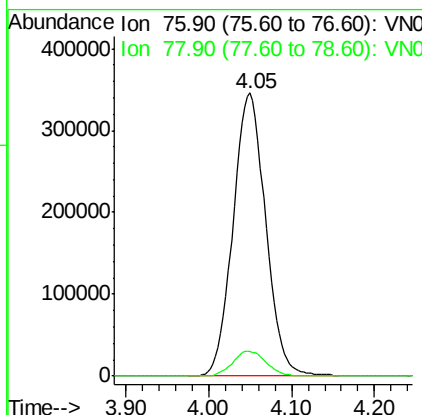
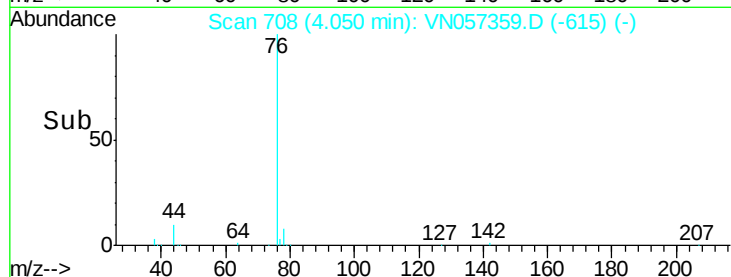
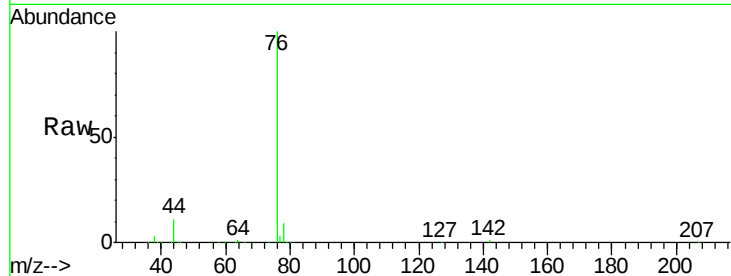
#17
Carbon Disulfide
Concen: 44.789 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

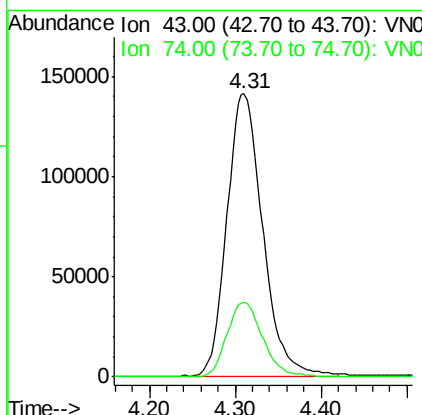
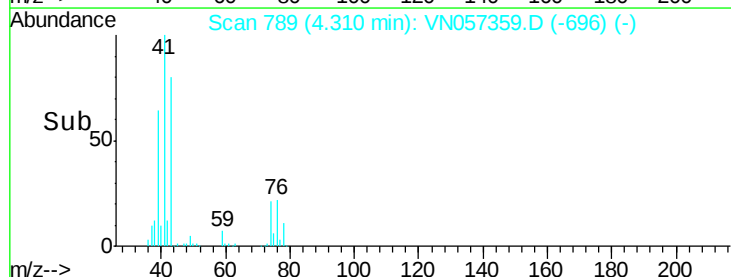
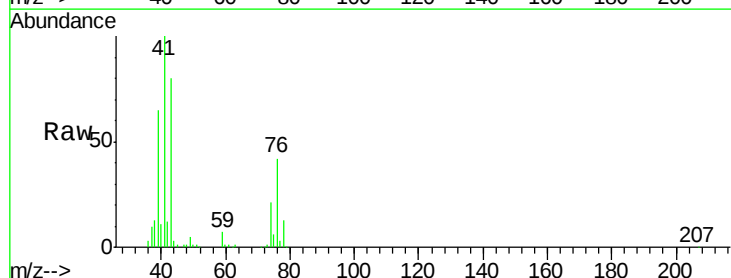
Manual Integrations
APPROVED

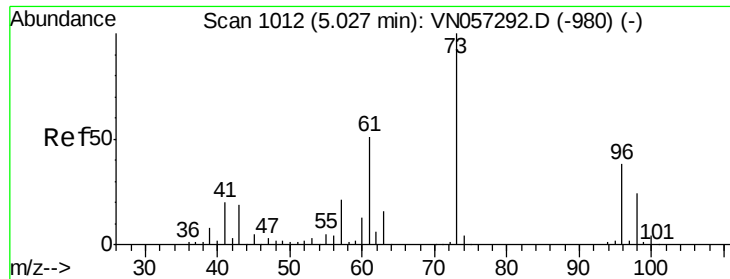
MMDadoda
8/19/2019 12:19:19 PM



#18
Methyl Acetate
Concen: 44.834 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	20.2	30.2





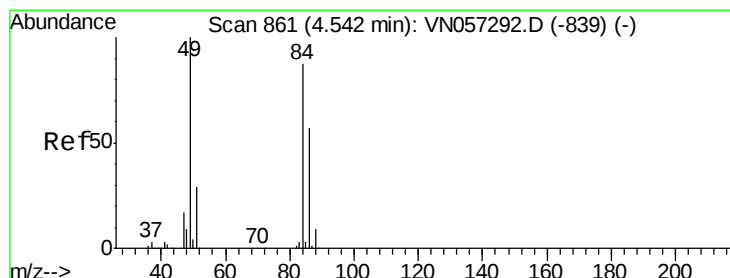
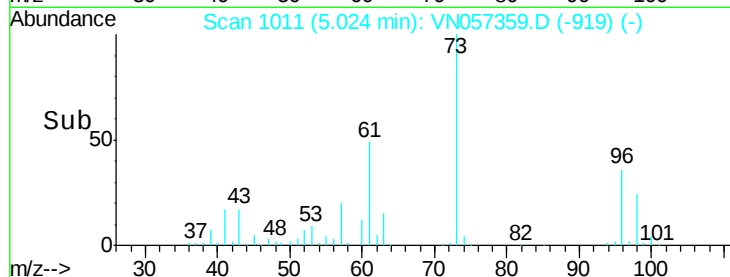
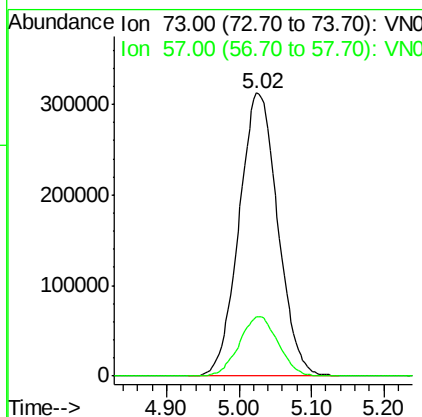
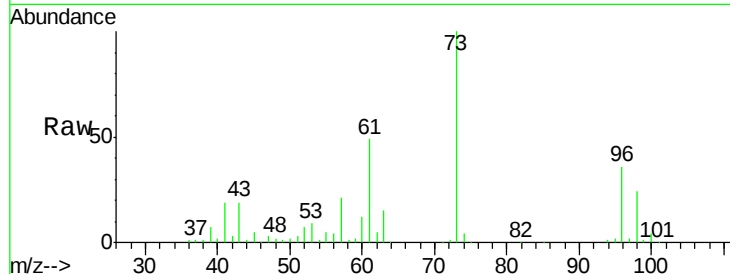
#19
Methvl tert-butvl Ether
Concen: 47.198 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1162209
Ion Ratio Lower Upper
73 100
57 20.8 16.9 25.3

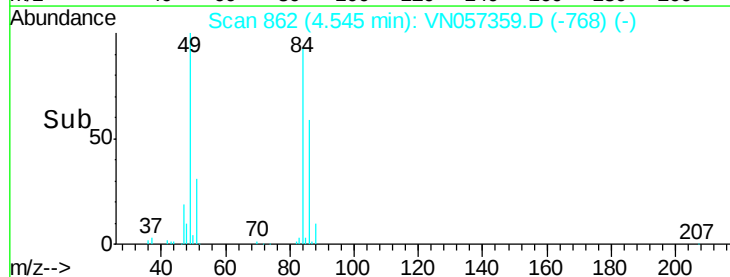
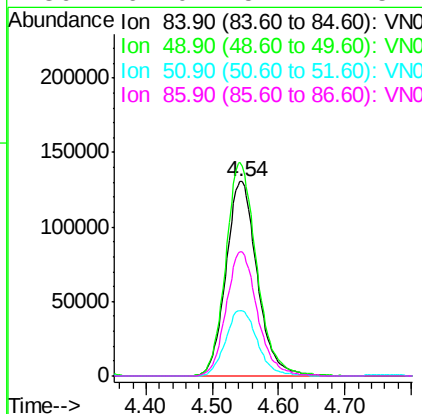
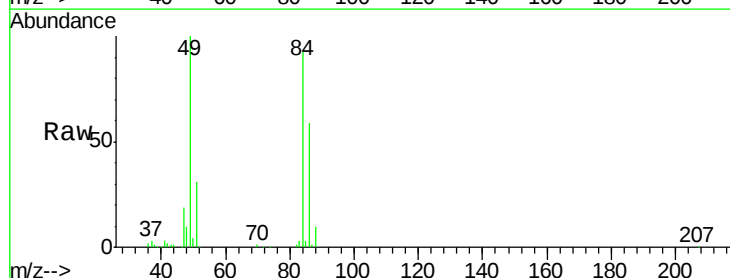
Manual Integrations
APPROVED

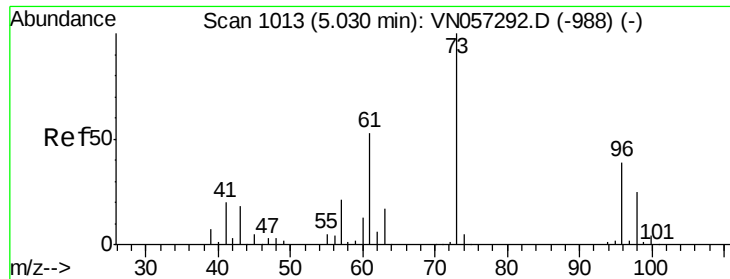
MMDadoda
8/19/2019 12:19:19 PM



#20
Methylene Chloride
Concen: 45.354 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 84 Resp: 428032
Ion Ratio Lower Upper
84 100
49 107.8 92.0 138.0
51 33.7 27.1 40.7
86 64.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.229 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 390139

Ion Ratio Lower Upper

96 100

61 129.2 109.5 164.3

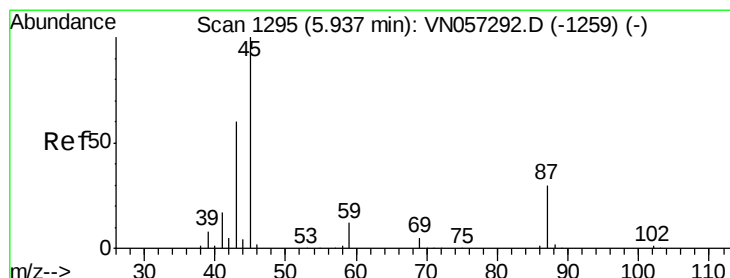
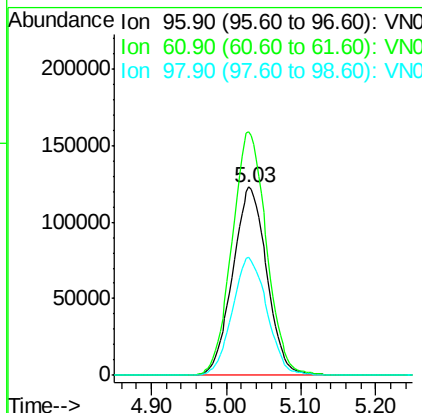
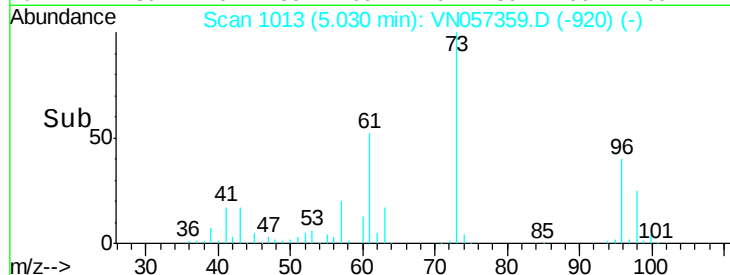
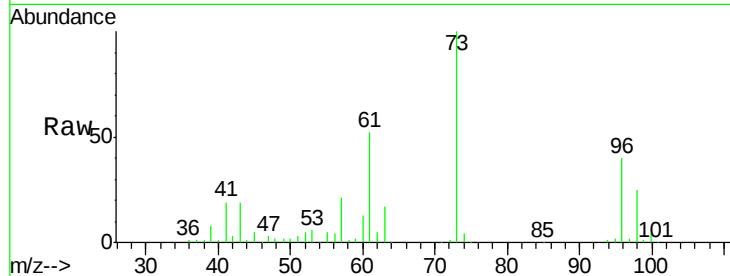
98 62.5 51.0 76.6

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



#22

Diisopropyl ether

Concen: 45.797 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion: 45 Resp: 1138072

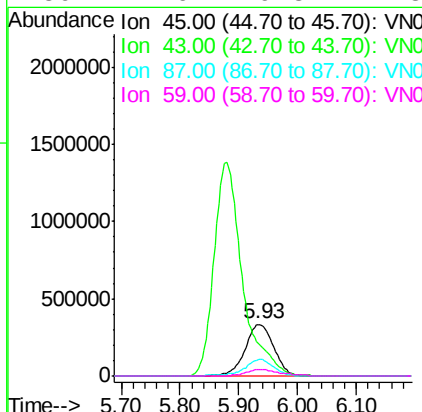
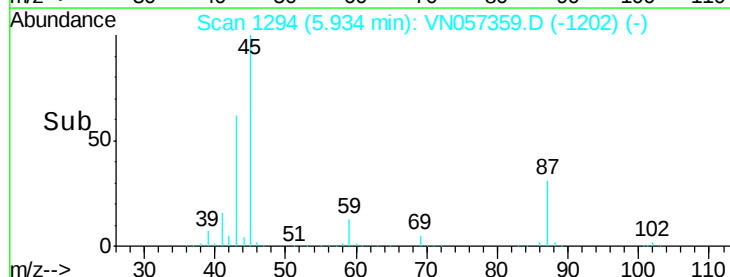
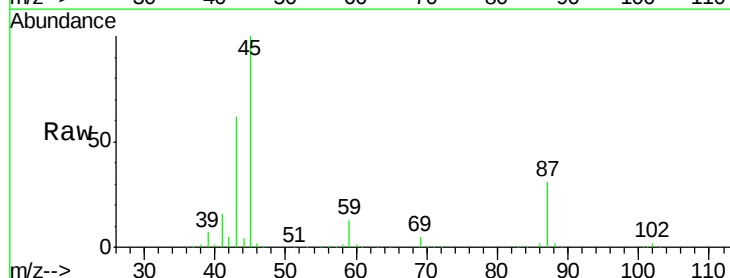
Ion Ratio Lower Upper

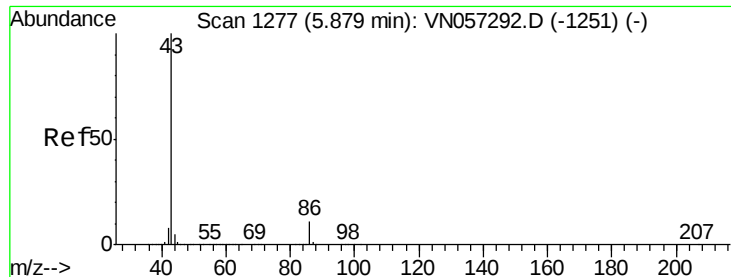
45 100

43 61.7 48.3 72.5

87 31.1 24.6 36.8

59 12.6 9.8 14.8





#23

Vinyl Acetate

Concen: 231.741 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 4634727

Ion Ratio Lower Upper

43 100

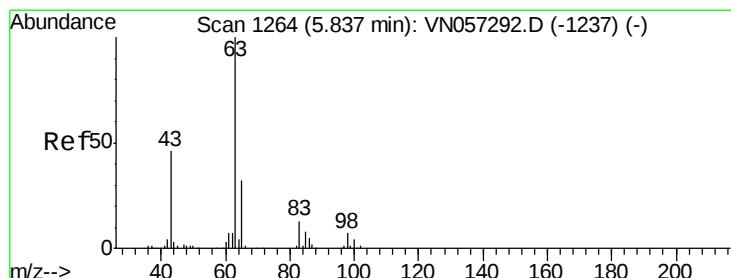
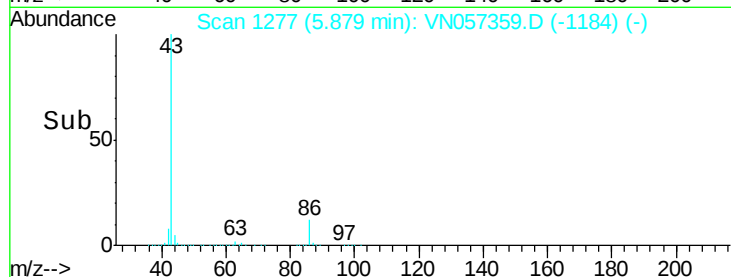
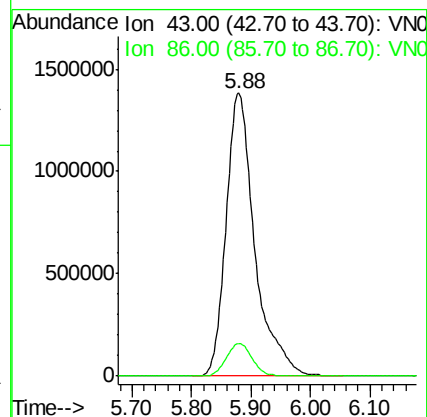
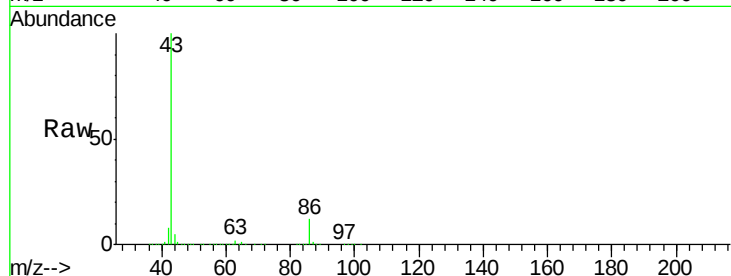
86 11.7 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



#24

1,1-Dichloroethane

Concen: 45.434 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

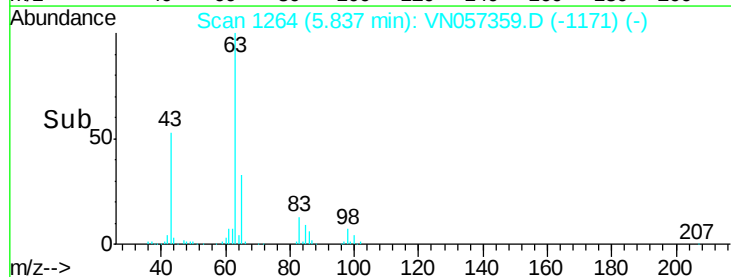
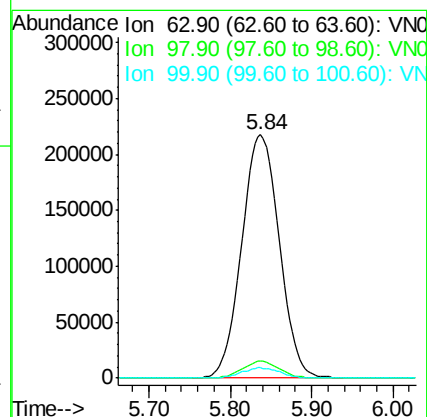
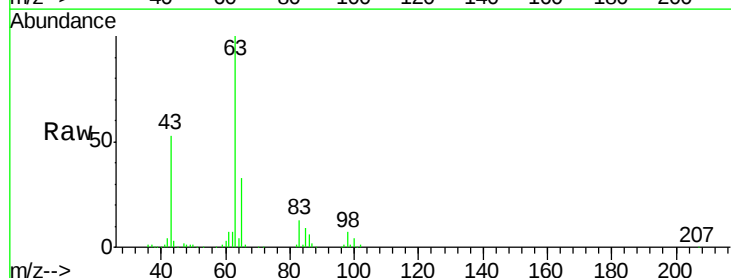
Tgt Ion: 63 Resp: 694621

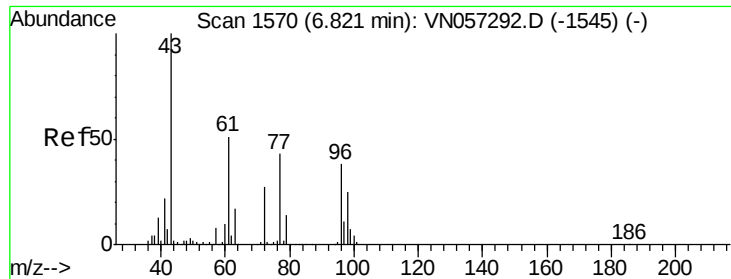
Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 230.021 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1123551

Ion Ratio Lower Upper

43 100

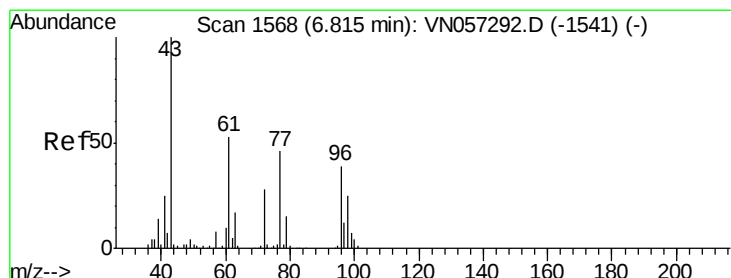
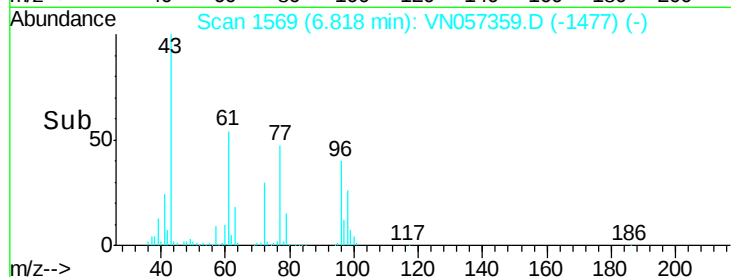
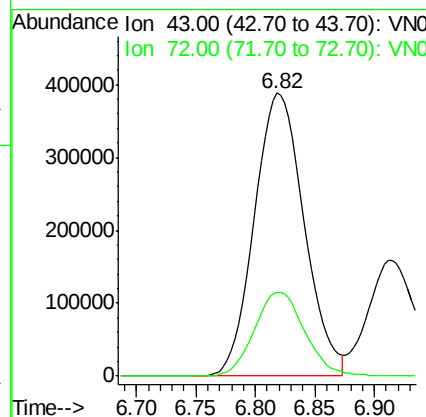
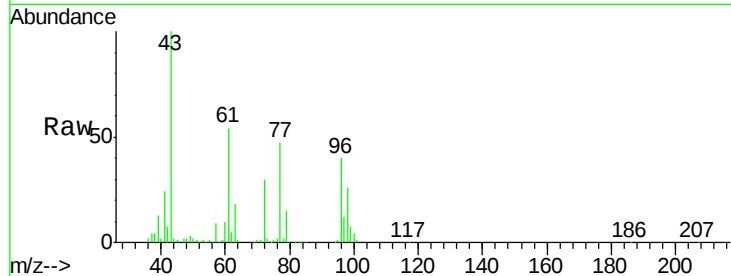
72 29.6 21.5 32.3

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



#26

2,2-Dichloropropane

Concen: 48.899 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057359.D

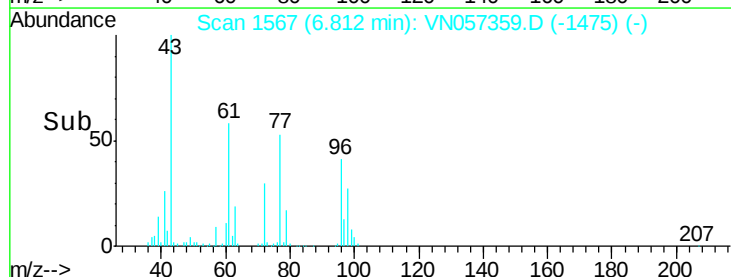
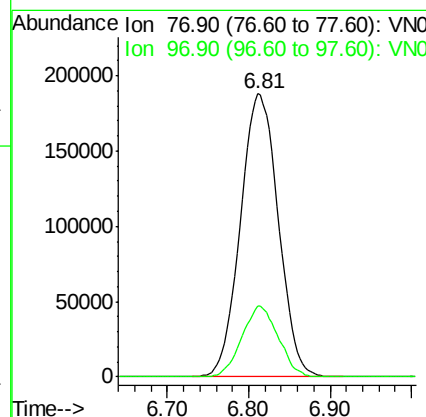
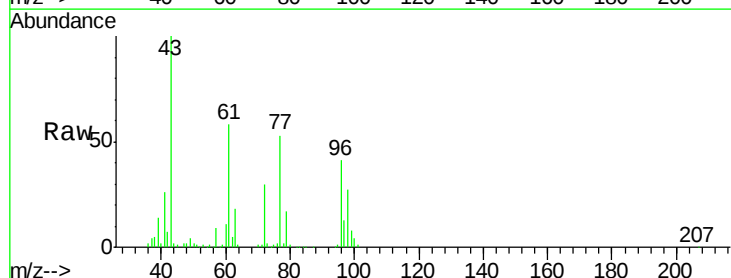
Acq: 16 Aug 2019 17:09

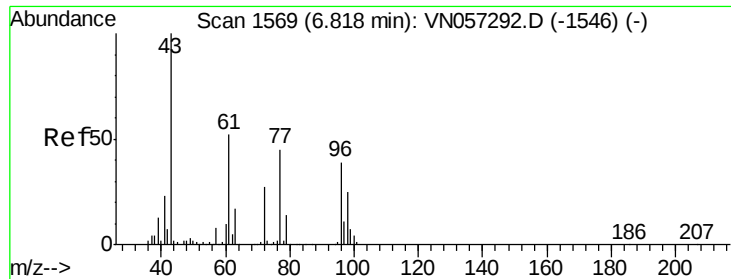
Tgt Ion: 77 Resp: 604182

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 46.597 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

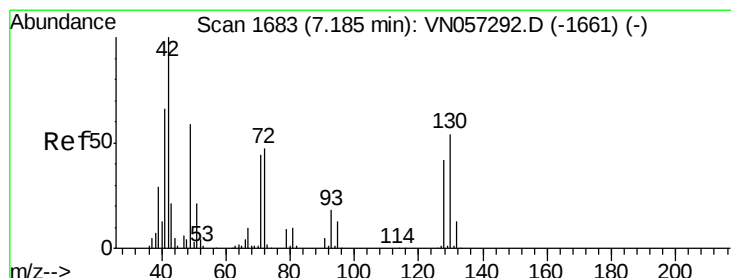
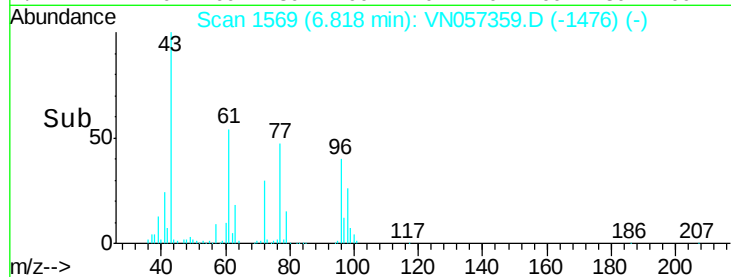
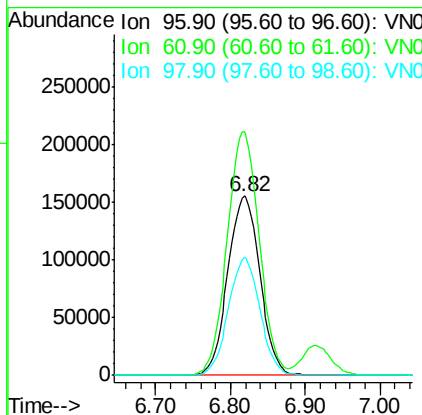
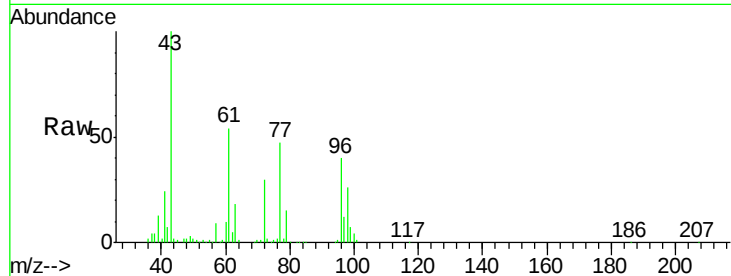
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	465560
Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	272.0
98	64.2	0.0	130.4

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#28

Bromochloromethane

Concen: 47.424 ug/l

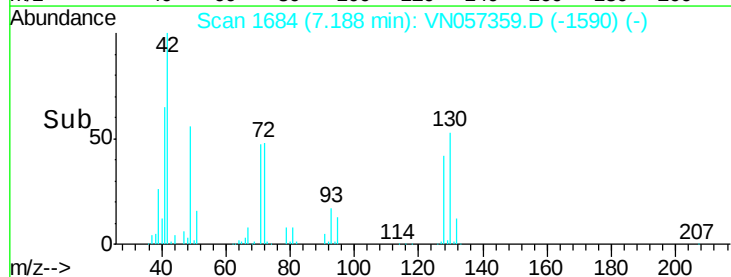
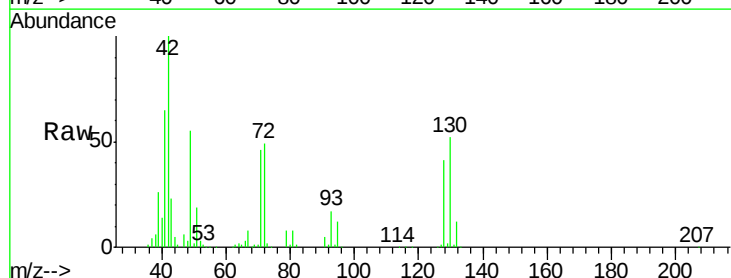
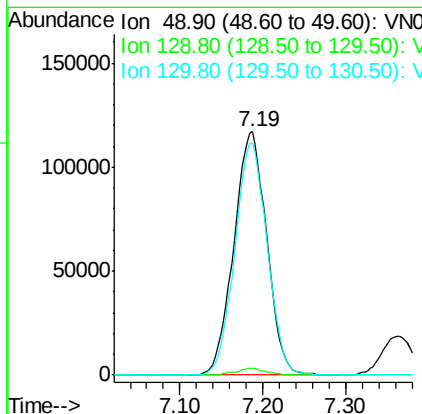
RT: 7.19 min Scan# 1684

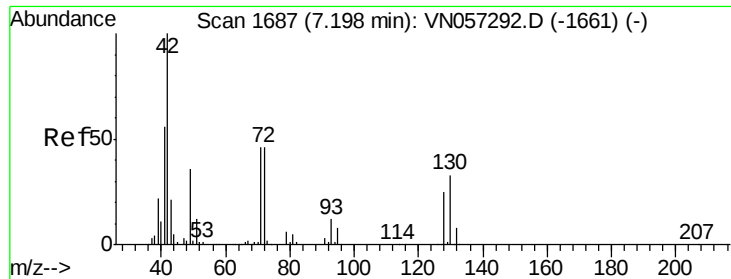
Delta R.T. 0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	49	Resp:	322147
Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	2.0#
130	94.2	73.2	109.8





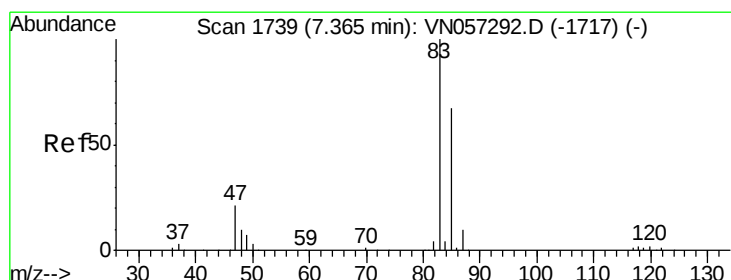
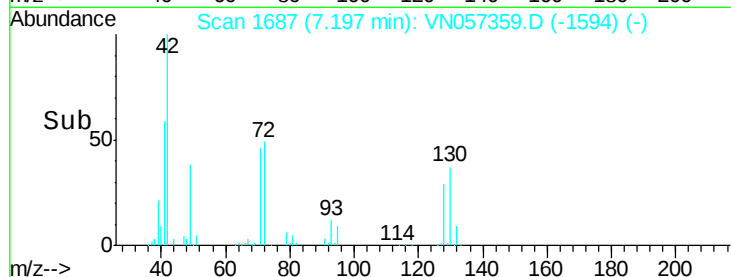
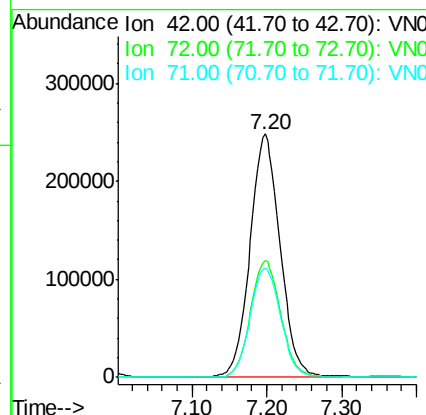
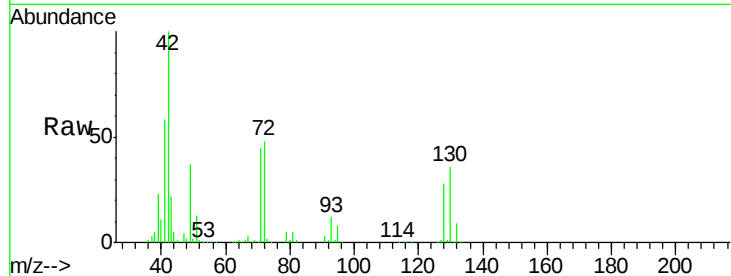
#29
Tetrahydrofuran
Concen: 224.636 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.8	56.6
71	45.6	35.7	53.5

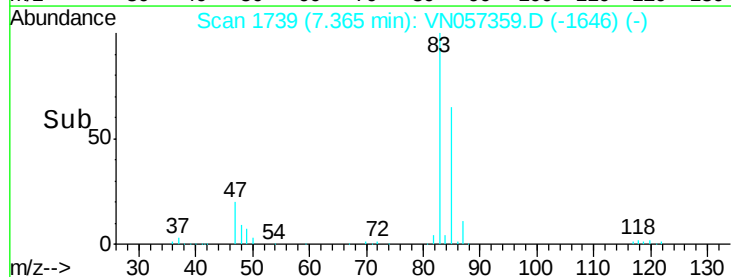
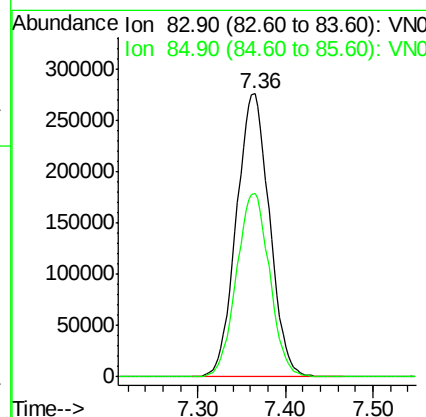
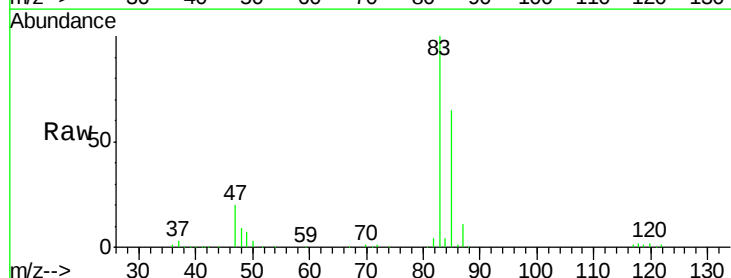
Manual Integrations
APPROVED

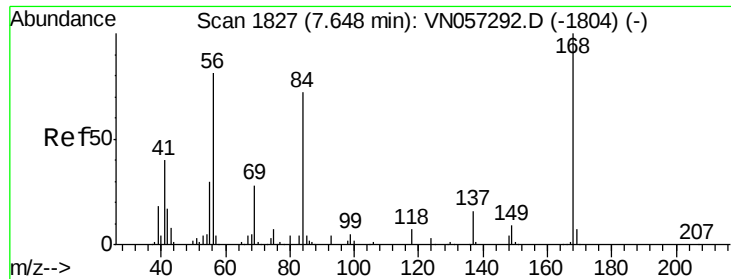
MMDadoda
8/19/2019 12:19:19 PM



#30
Chloroform
Concen: 45.292 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.3	79.9





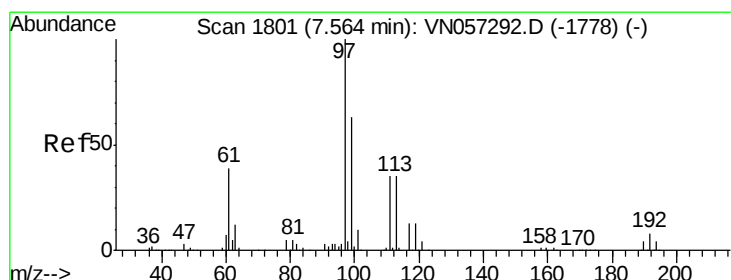
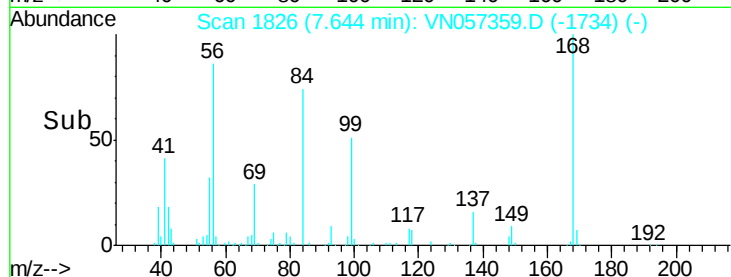
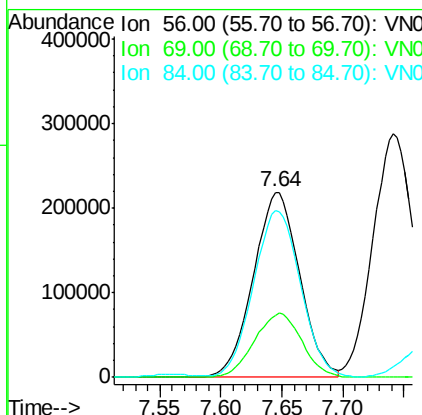
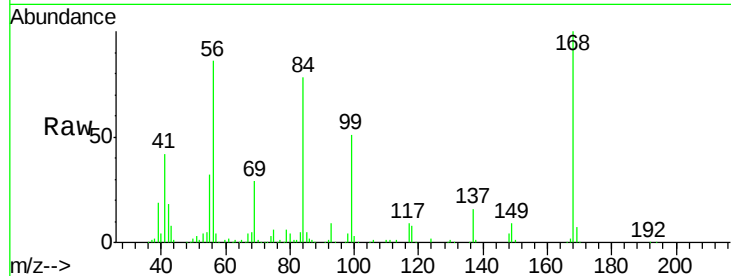
#31
Cyclohexane
Concen: 43.525 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	576660		
69	33.6		27.3	40.9
84	88.8		71.0	106.6

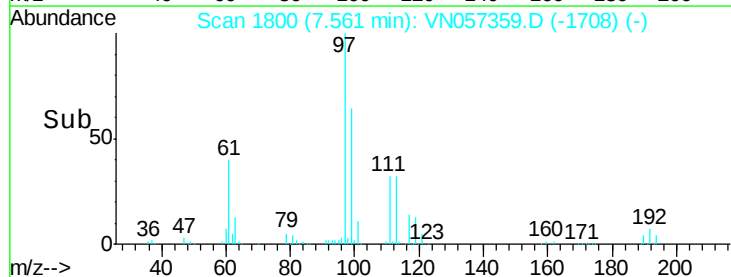
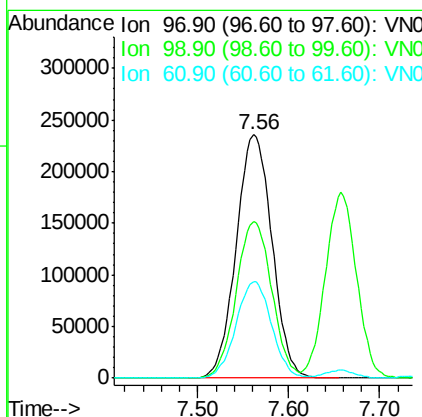
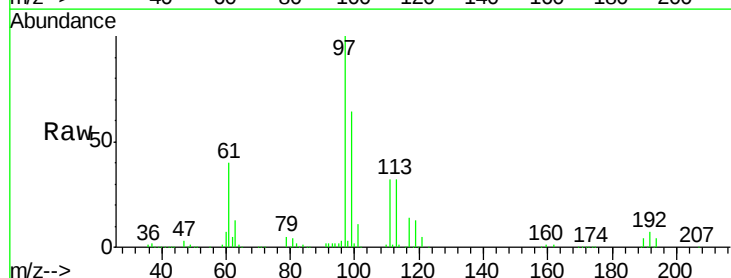
Manual Integrations
APPROVED

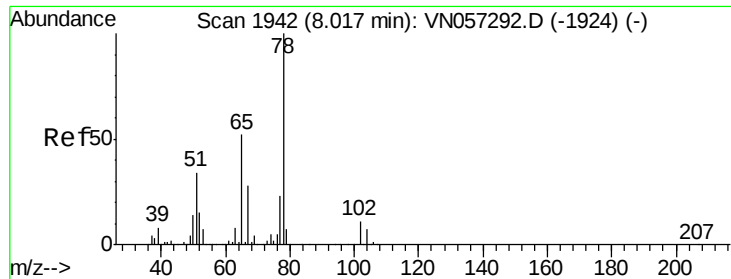
MMDadoda
8/19/2019 12:19:19 PM



#32
1,1,1-Trichloroethane
Concen: 47.822 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	644437		
99	64.1		50.3	75.5
61	39.4		31.3	46.9





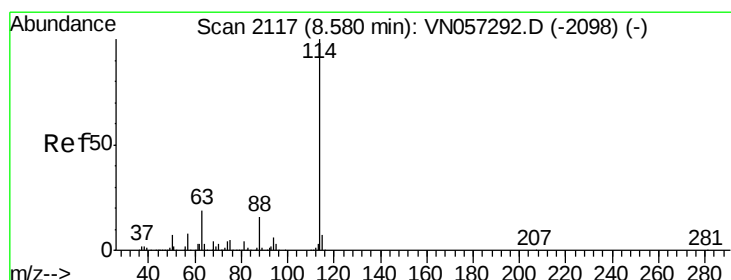
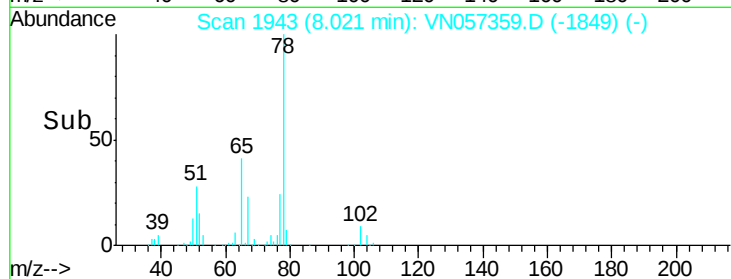
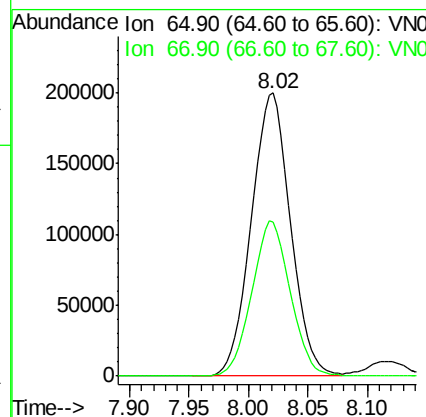
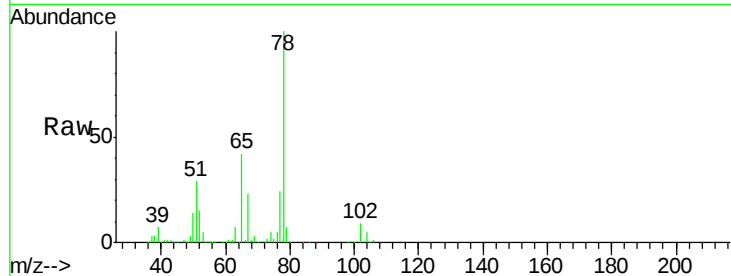
#33
 1,2-Dichloroethane-d4
 Concen: 46.883 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	107.4	

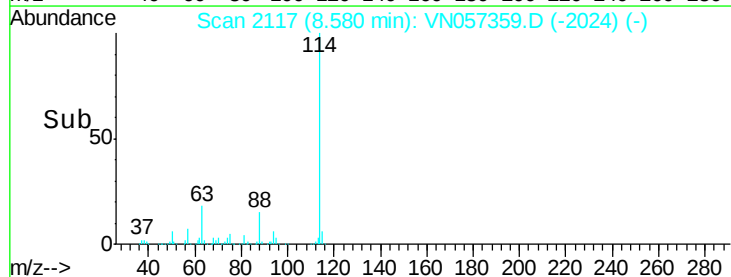
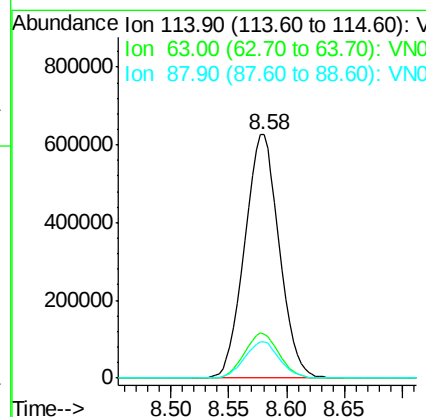
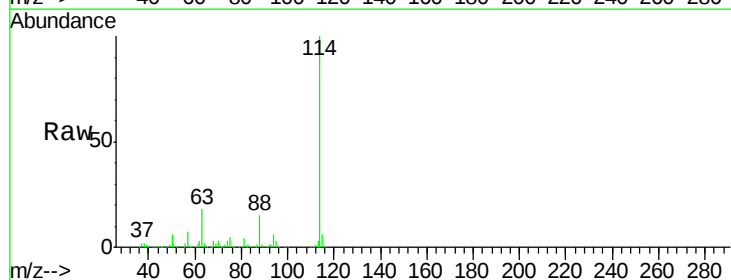
Manual Integrations
 APPROVED

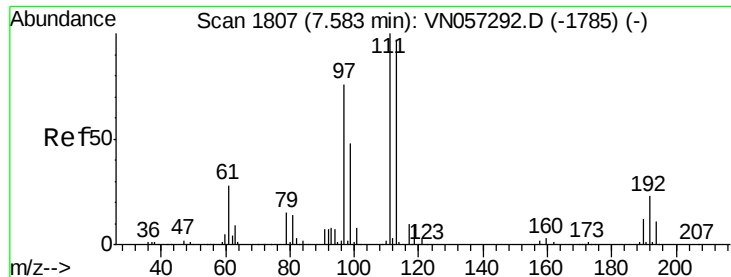
MMDadoda
 8/19/2019 12:19:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	38.8	
88	14.9	0.0	31.4	





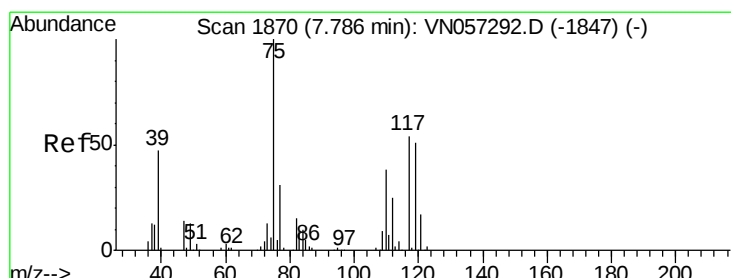
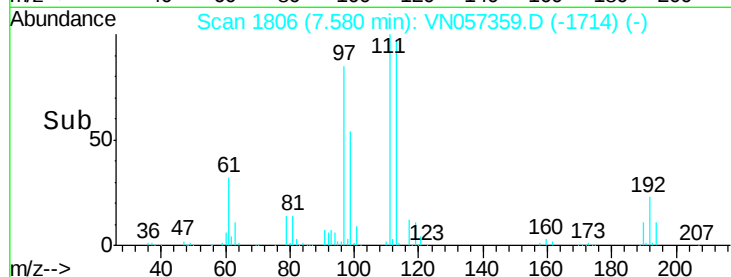
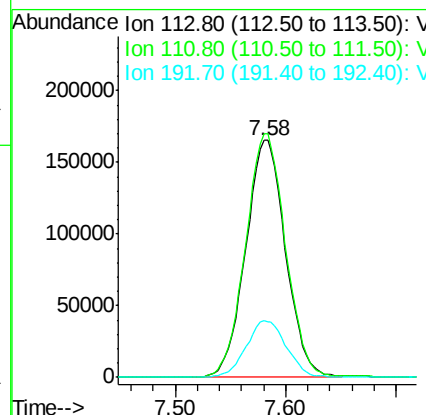
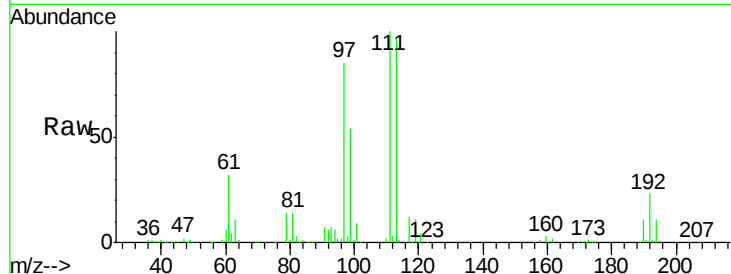
#35
 Dibromofluoromethane
 Concen: 48.421 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	413098		
111	103.7	82.1	123.1	
192	24.0	19.3	28.9	

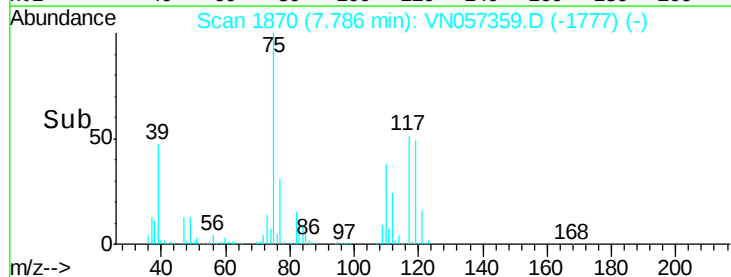
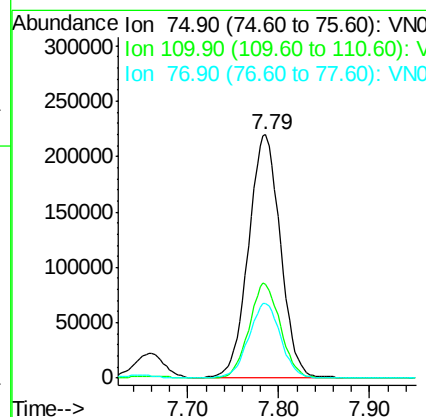
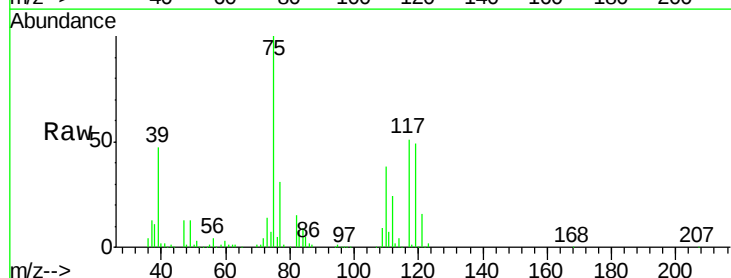
Manual Integrations
 APPROVED

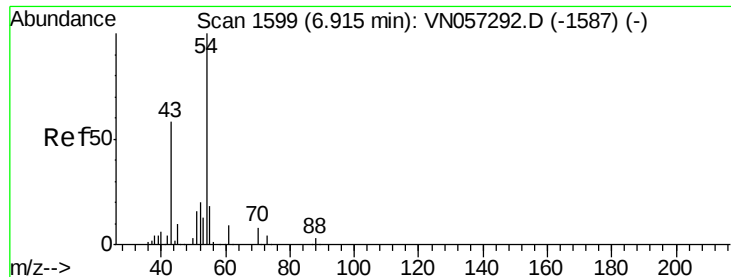
MMDadoda
 8/19/2019 12:19:19 PM



#36
 1,1-Dichloropropene
 Concen: 46.270 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	531698		
110	38.3	19.5	58.5	
77	31.3	25.0	37.6	





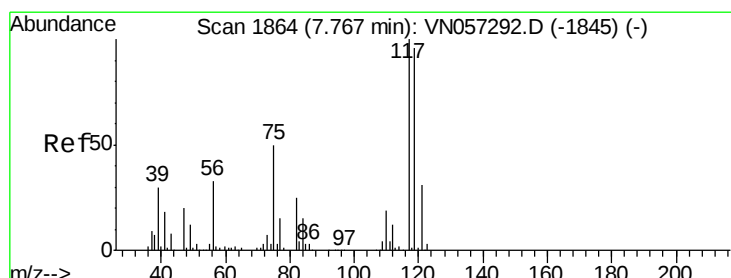
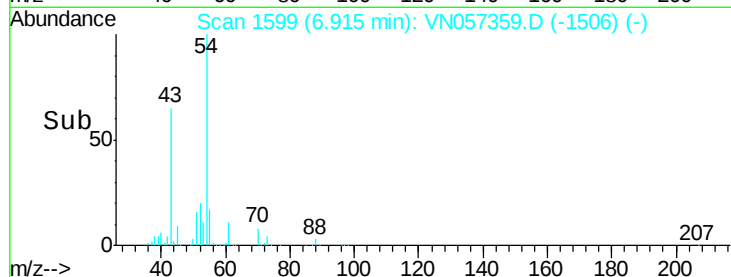
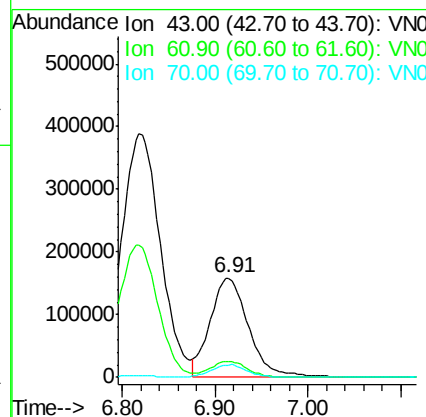
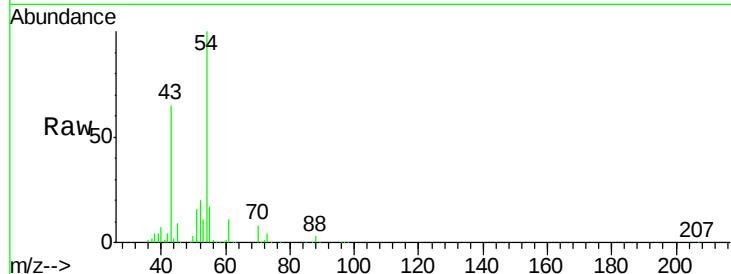
#37
Ethyl Acetate
Concen: 47.576 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	12.0	9.2	13.8

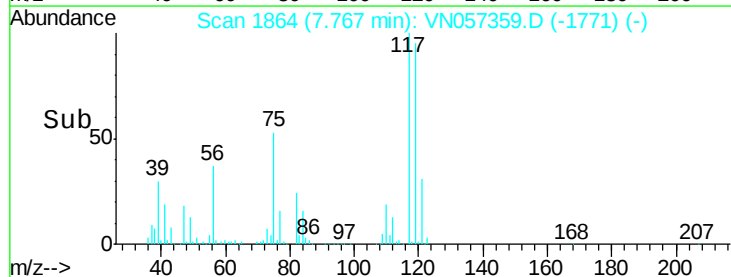
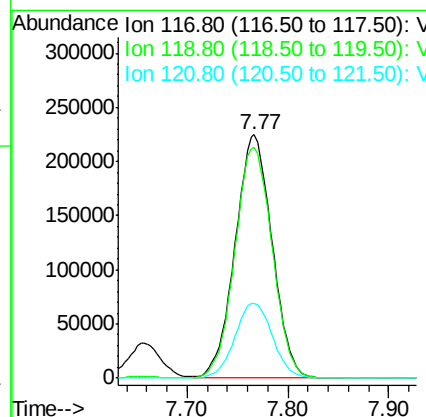
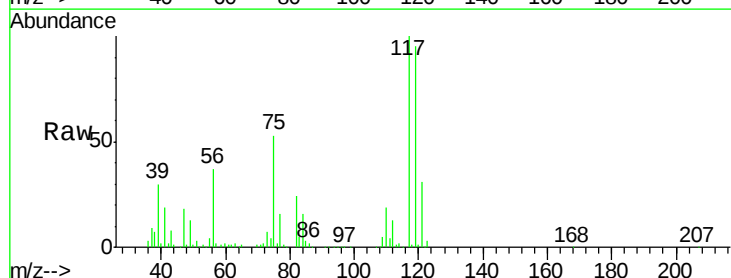
Manual Integrations
APPROVED

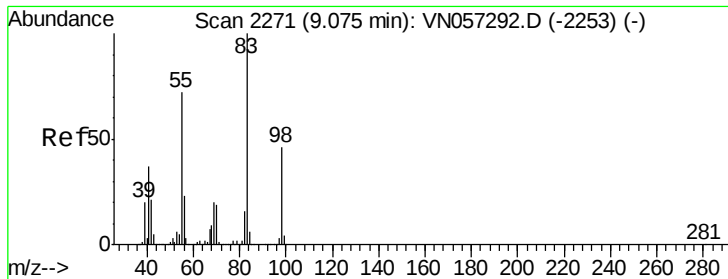
MMDadoda
8/19/2019 12:19:19 PM



#38
Carbon Tetrachloride
Concen: 47.818 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.8	115.2
121	30.9	25.0	37.4





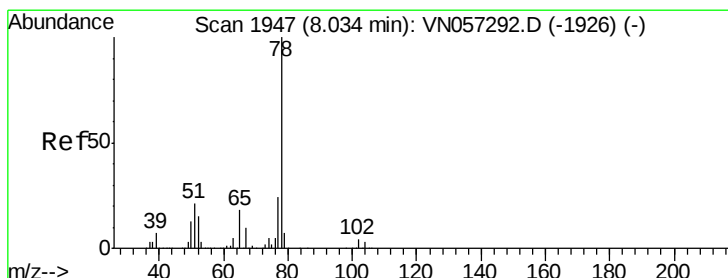
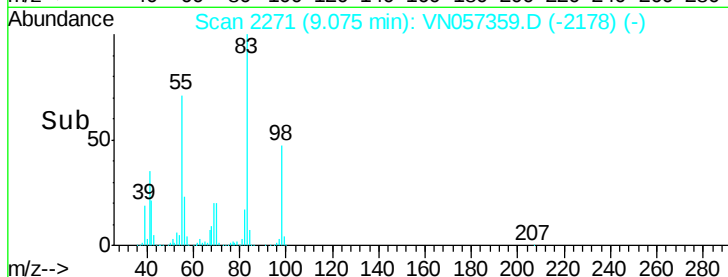
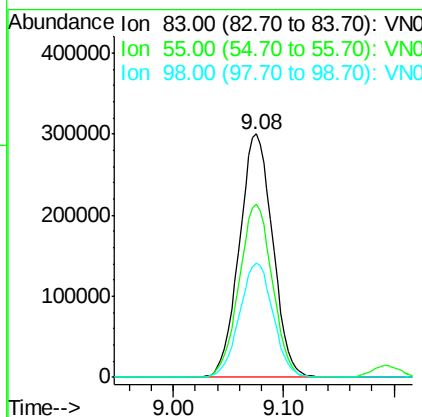
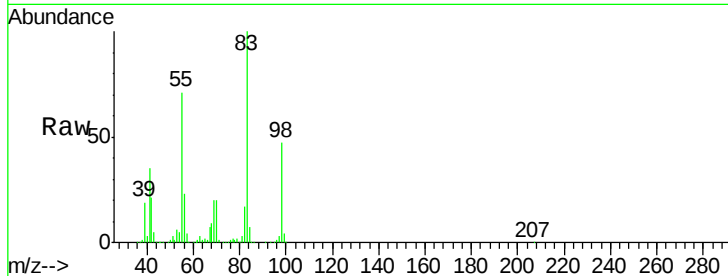
#39
Methvlcvclohexane
Concen: 46.895 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.1	57.5	86.3
98	46.8	36.6	55.0

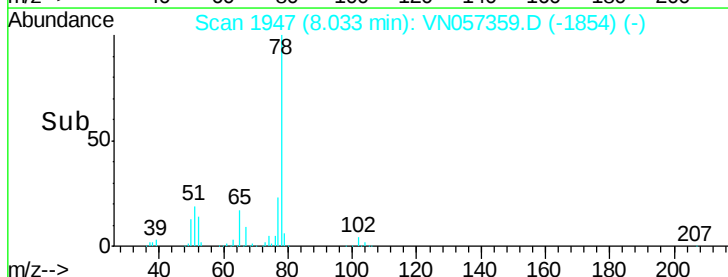
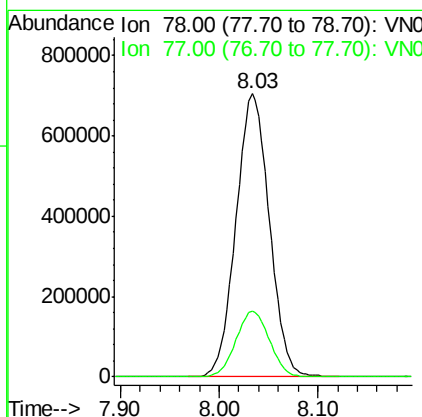
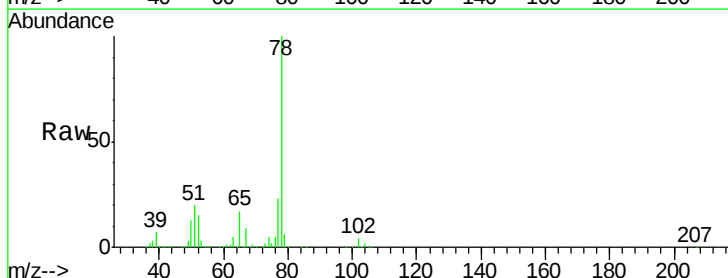
Manual Integrations
APPROVED

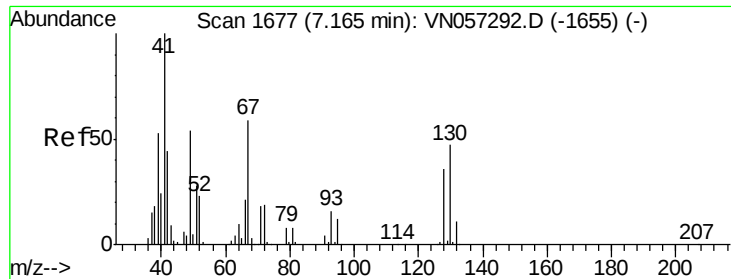
MMDadoda
8/19/2019 12:19:19 PM



#40
Benzene
Concen: 46.919 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





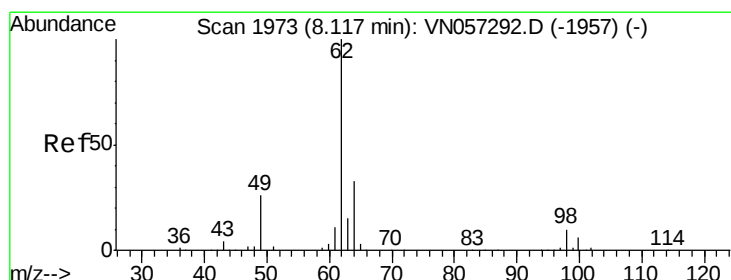
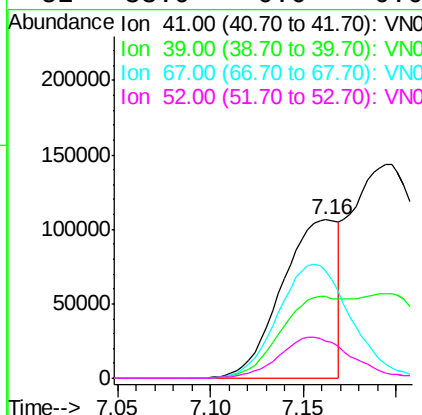
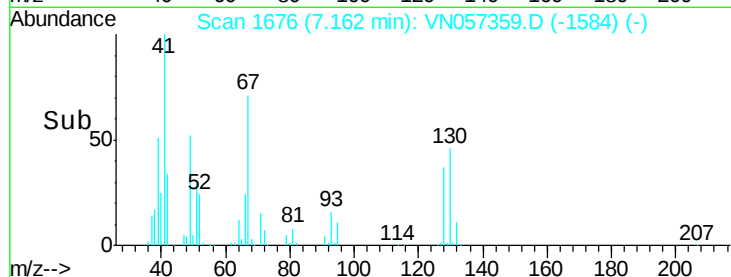
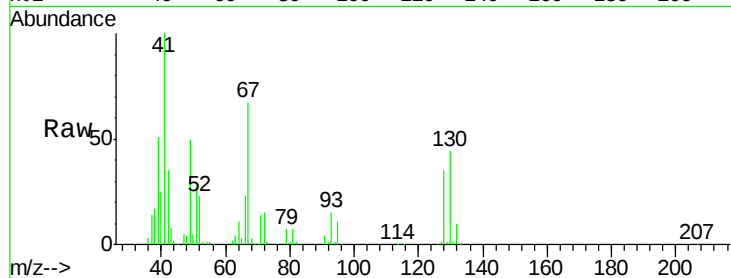
#41
Methacrylonitrile
Concen: 52.889 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.0	0.0	0.0#
67	93.7	0.0	0.0#
52	33.9	0.0	0.0#

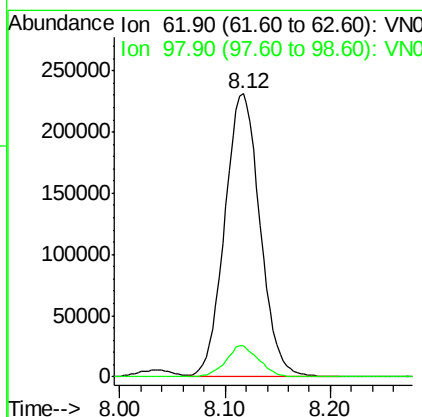
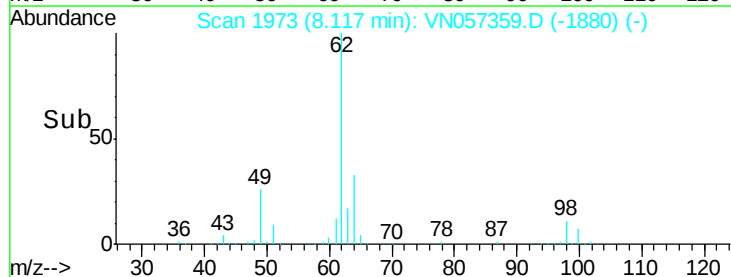
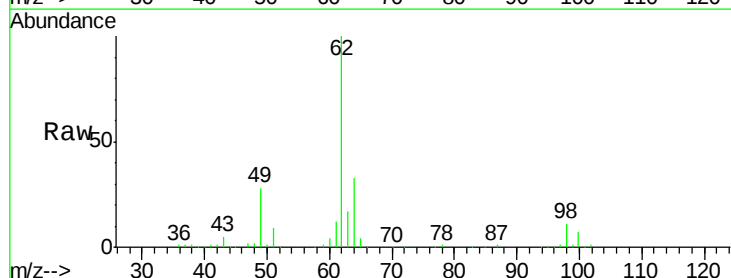
Manual Integrations
APPROVED

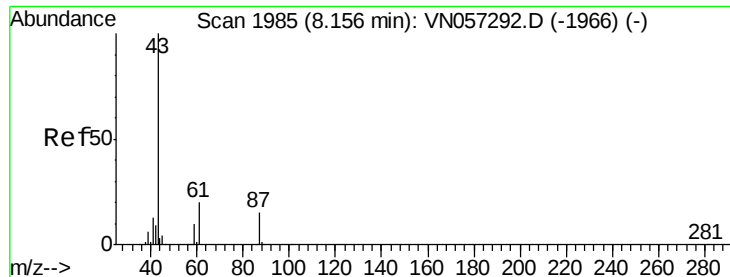
MMDadoda
8/19/2019 12:19:19 PM



#42
1,2-Dichloroethane
Concen: 45.944 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.4





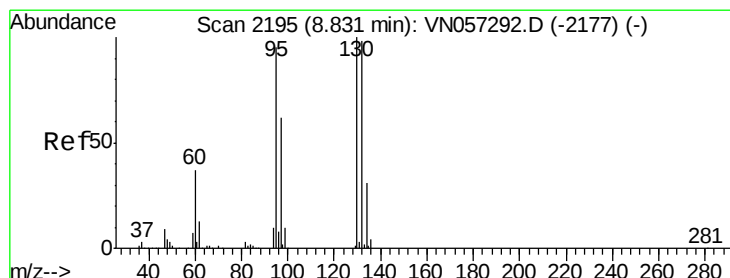
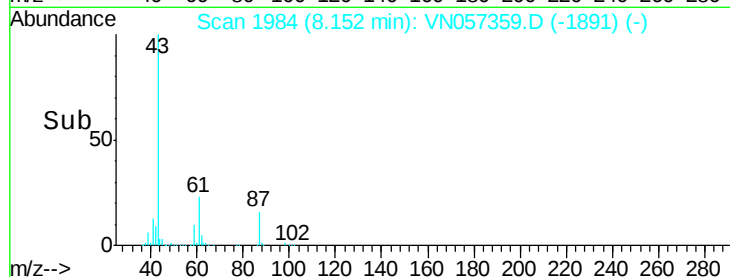
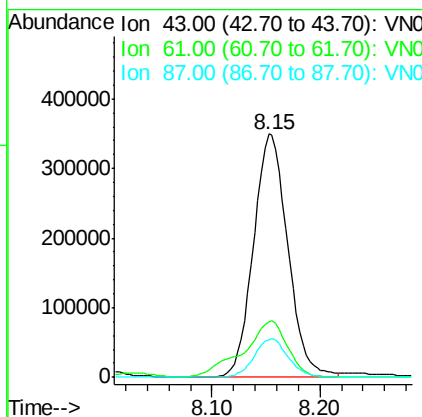
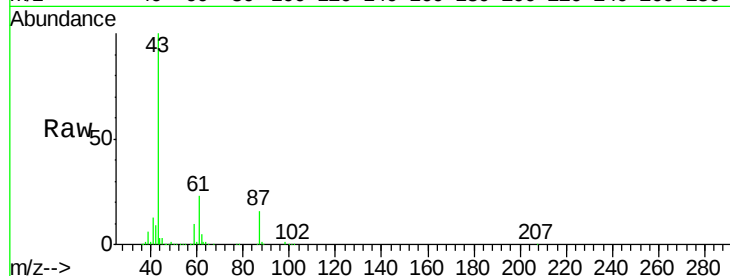
#43
Isopropyl Acetate
Concen: 44.598 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	21.6	32.4
87	15.7	11.4	17.0

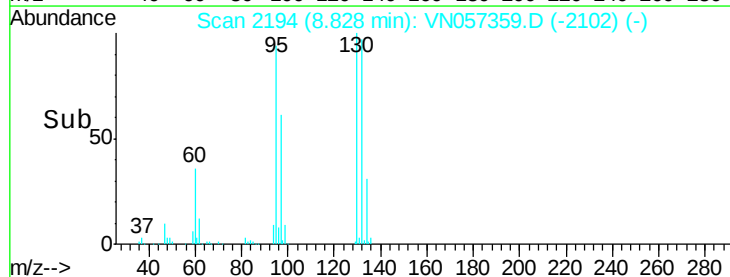
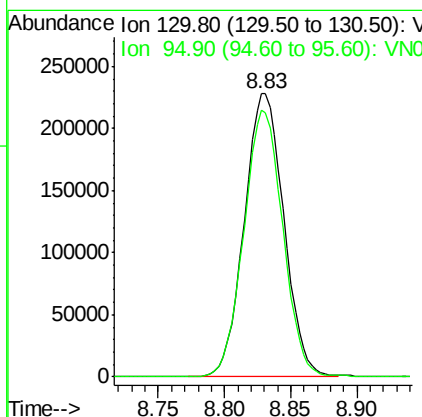
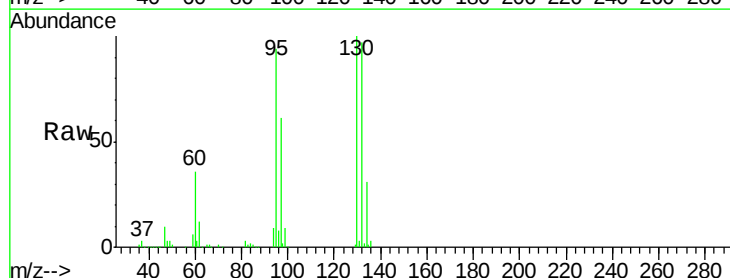
Manual Integrations
APPROVED

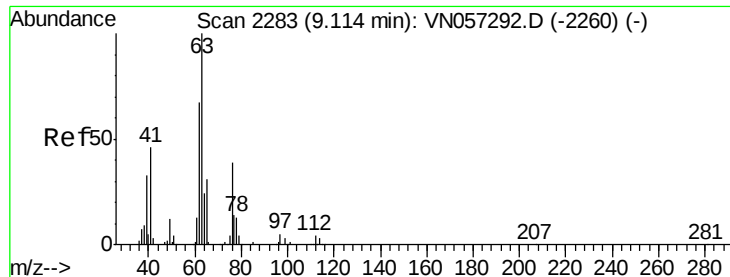
MMDadoda
8/19/2019 12:19:19 PM



#44
Trichloroethene
Concen: 47.897 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	189.2





#45

1,2-Dichloropropane

Concen: 46.783 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 423830

Ion Ratio Lower Upper

63 100

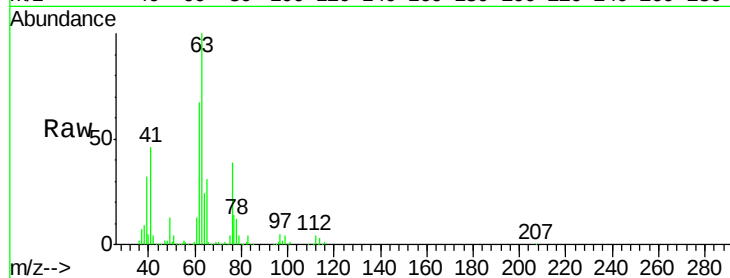
65 31.0 24.8 37.2

Manual Integrations

APPROVED

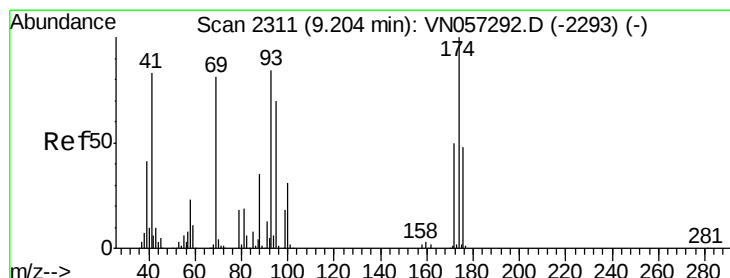
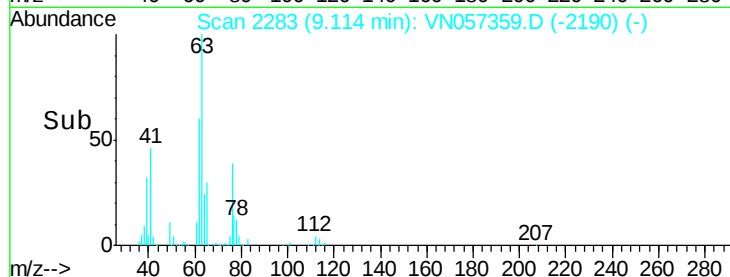
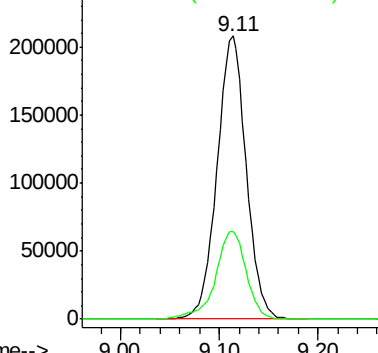
MMDadoda

8/19/2019 12:19:19 PM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.065 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

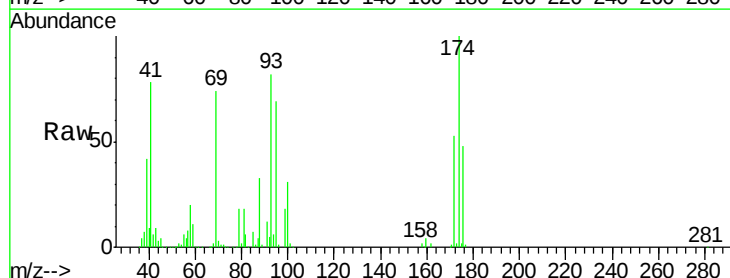
Tgt Ion: 93 Resp: 284450

Ion Ratio Lower Upper

93 100

95 84.5 66.5 99.7

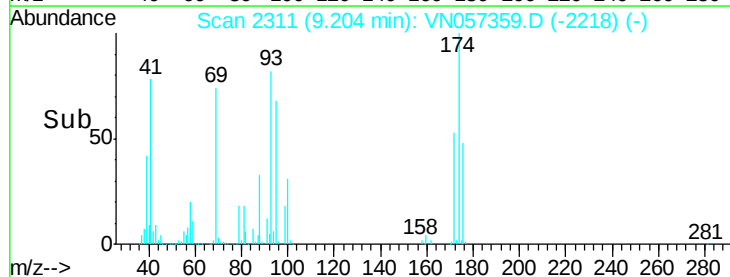
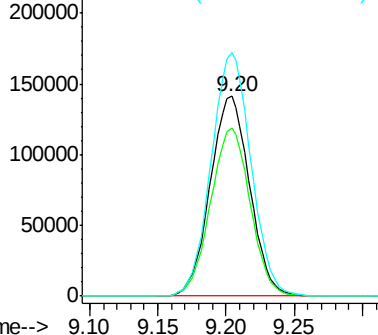
174 122.8 95.7 143.5

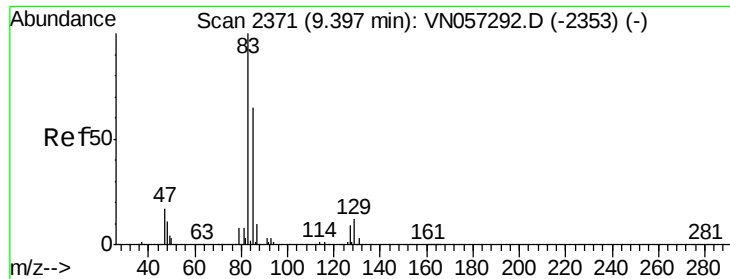


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 48.311 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

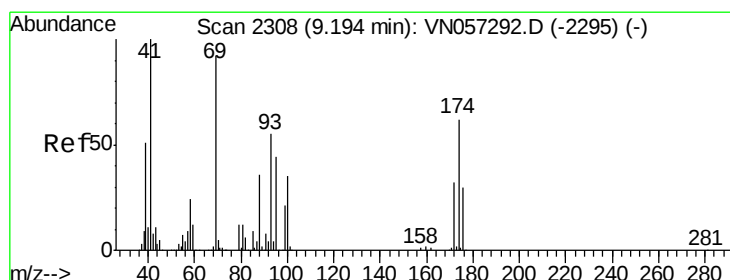
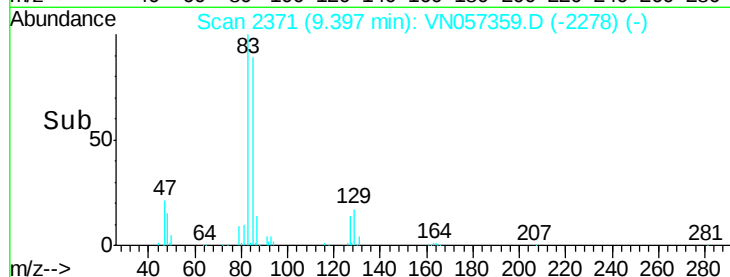
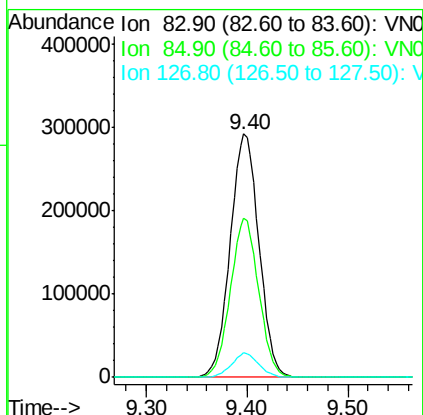
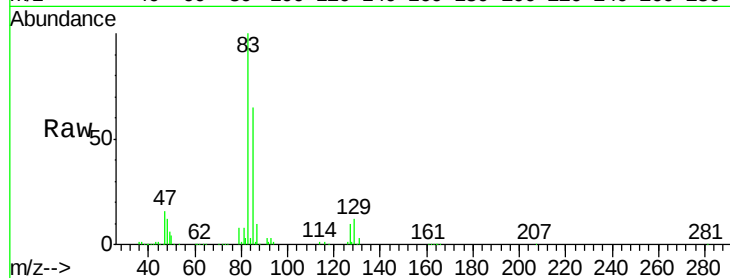
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	578512
Ion Ratio	Lower	Upper	
83	100		
85	65.4	51.9	77.9
127	9.9	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#48

Methyl methacrylate

Concen: 46.074 ug/l

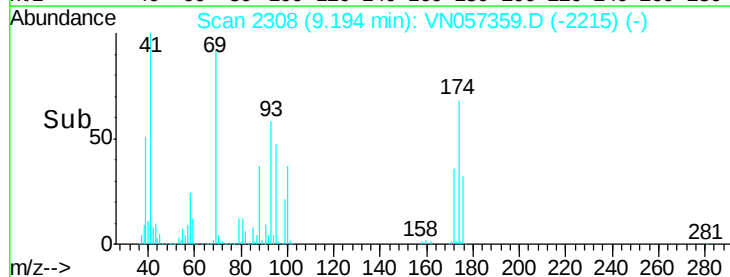
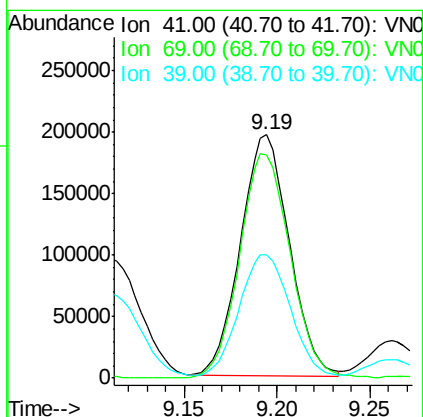
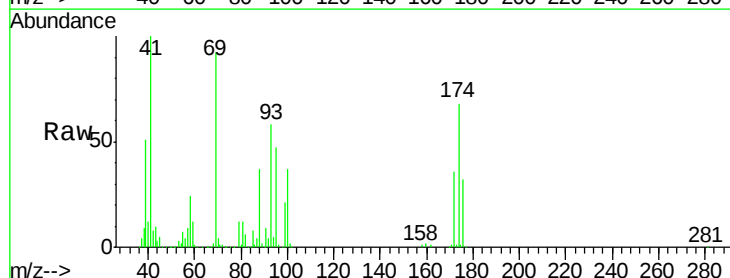
RT: 9.19 min Scan# 2308

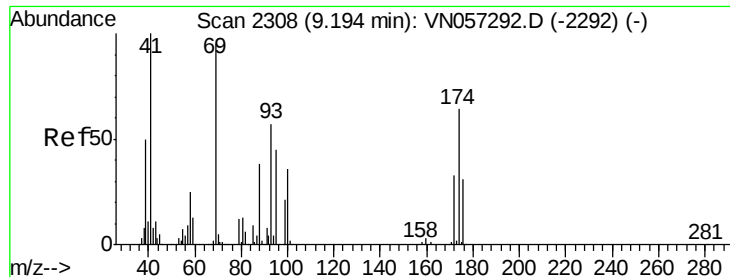
Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	41	Resp:	357091
Ion Ratio	Lower	Upper	
41	100		
69	97.3	75.9	113.9
39	54.5	42.3	63.5





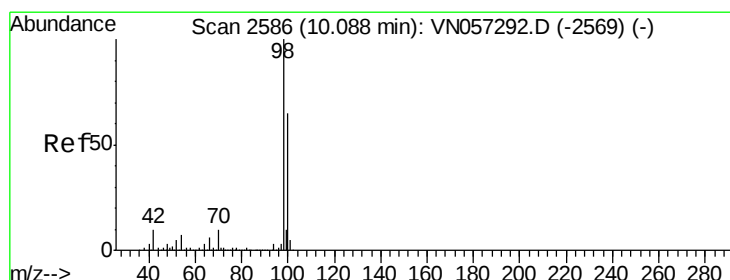
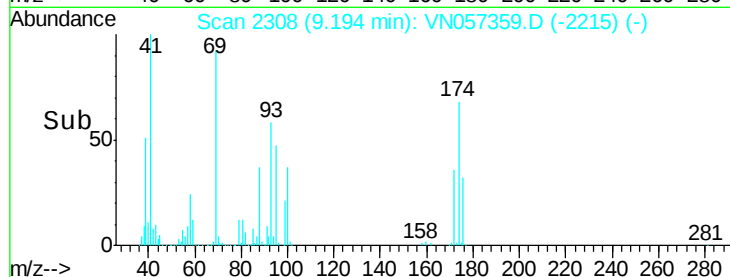
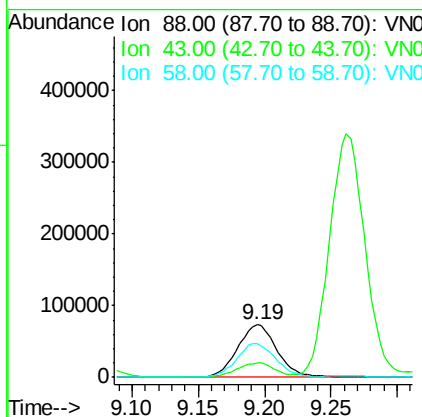
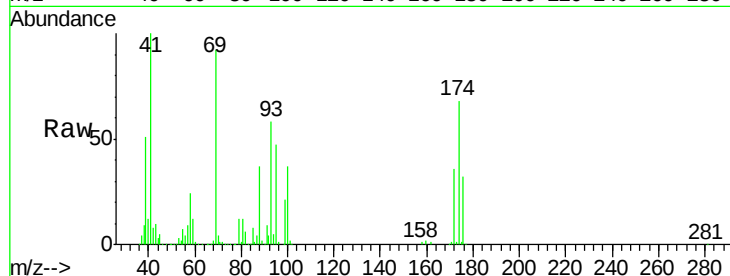
#49
1,4-Dioxane
Concen: 933.487 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	22.9	34.3
58	64.1	52.7	79.1

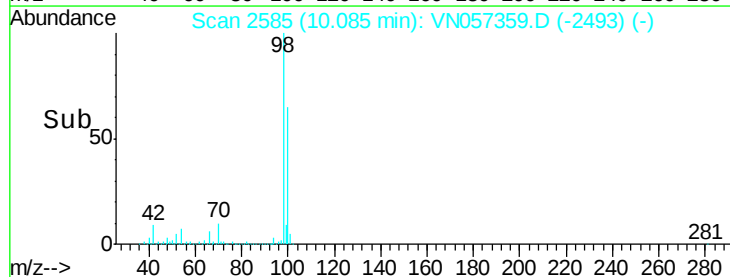
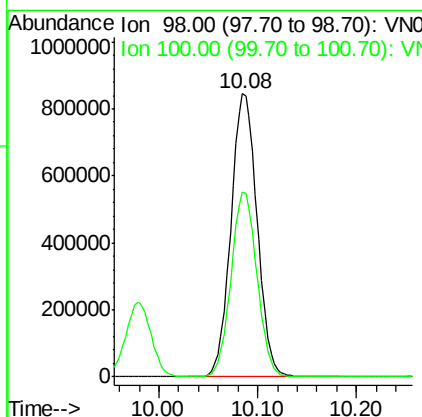
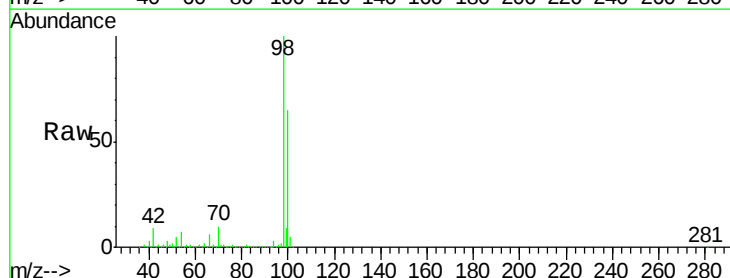
Manual Integrations
APPROVED

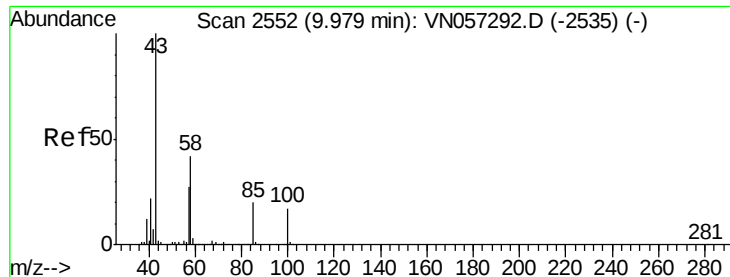
MMDadoda
8/19/2019 12:19:19 PM



#50
Toluene-d8
Concen: 50.029 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 233.701 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2269131

Ion Ratio Lower Upper

43 100

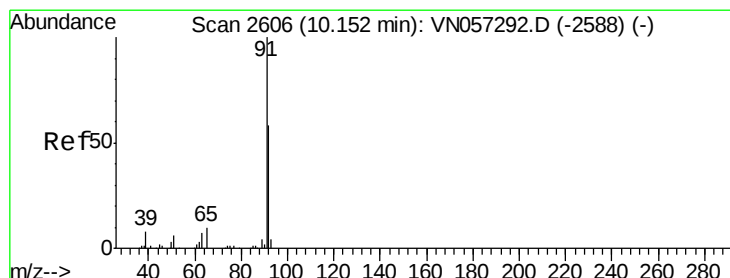
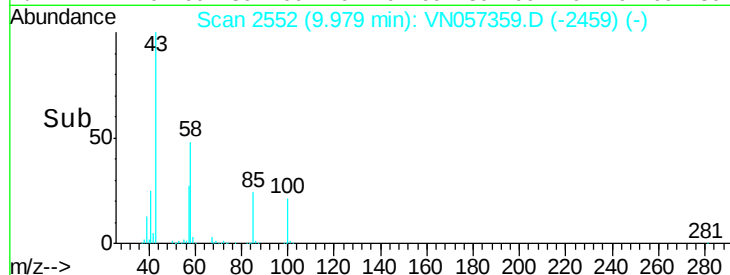
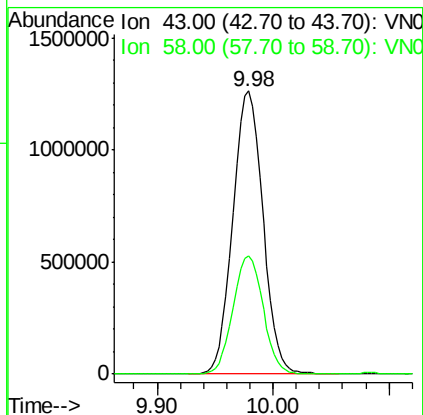
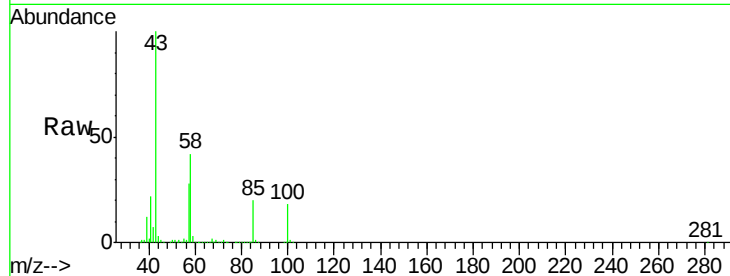
58 41.8 33.2 49.8

Manual Integrations

APPROVED

MMDadoda

8/19/2019 12:19:19 PM



#52

Toluene

Concen: 48.245 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057359.D

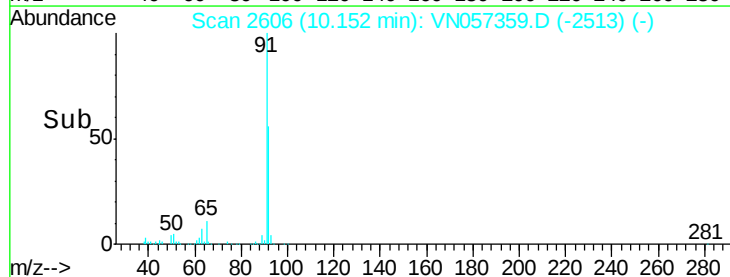
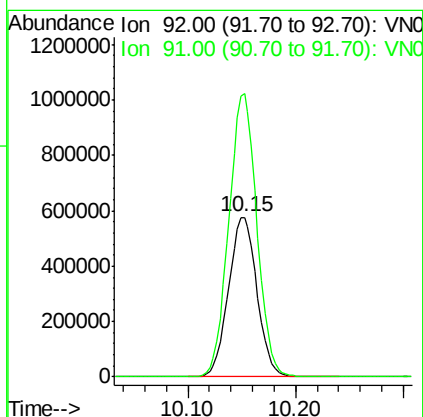
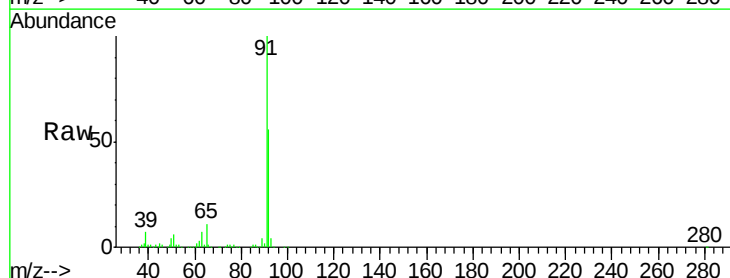
Acq: 16 Aug 2019 17:09

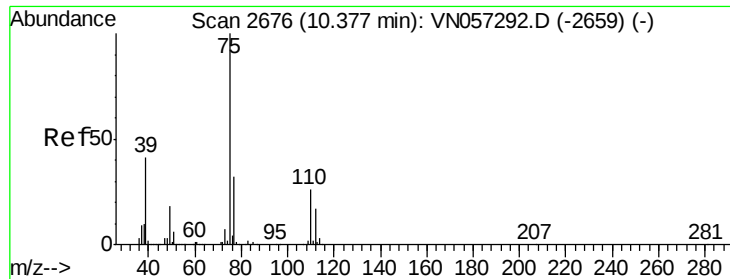
Tgt Ion: 92 Resp: 1055433

Ion Ratio Lower Upper

92 100

91 175.5 138.9 208.3





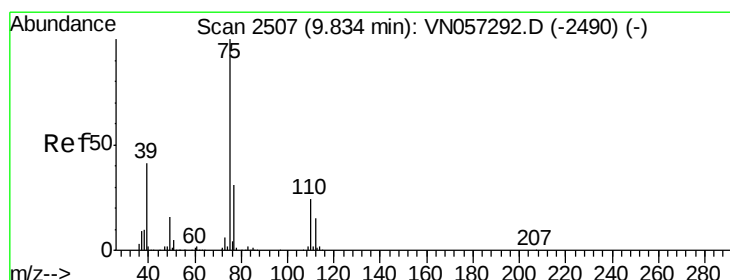
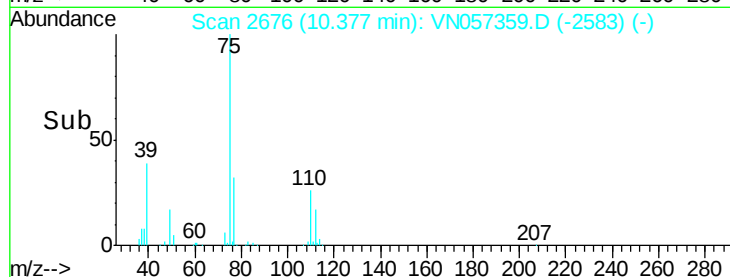
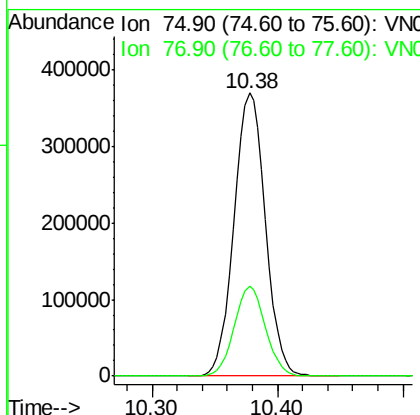
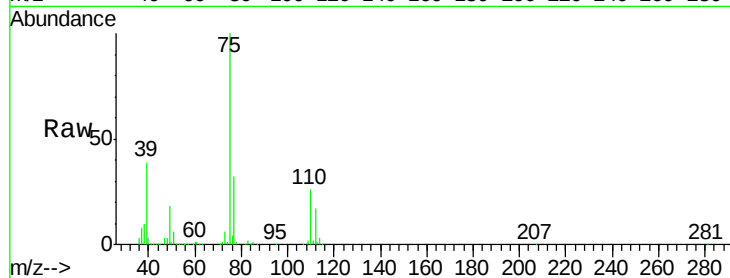
#53
t-1,3-Dichloropropene
Concen: 49.578 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

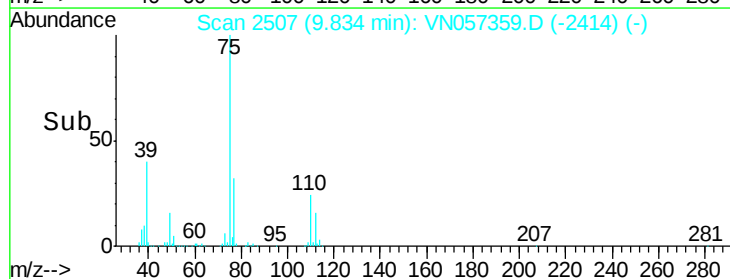
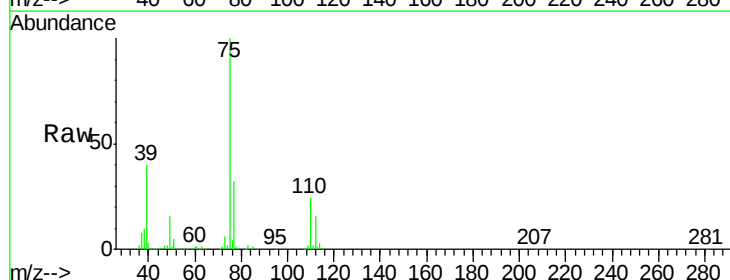
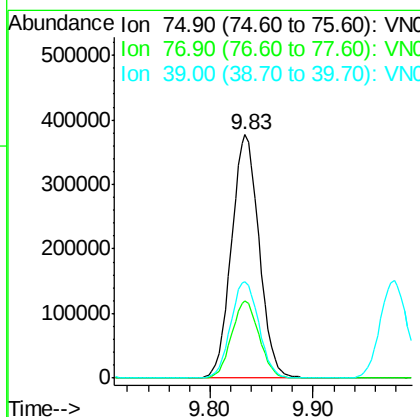
Manual Integrations
APPROVED

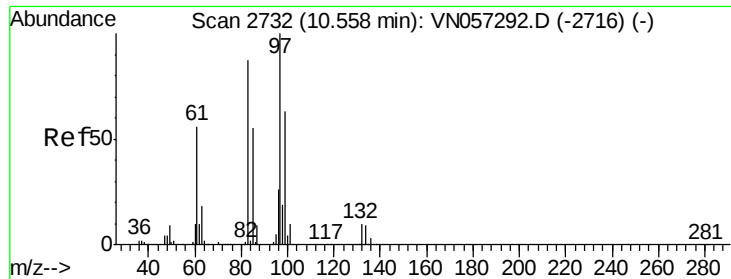
MMDadoda
8/19/2019 12:19:19 PM



#54
cis-1,3-Dichloropropene
Concen: 49.191 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.9	37.3
39	39.9	32.7	49.1





#55

1,1,2-Trichloroethane

Concen: 48.753 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

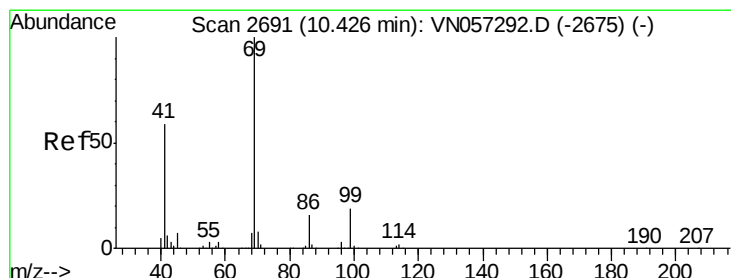
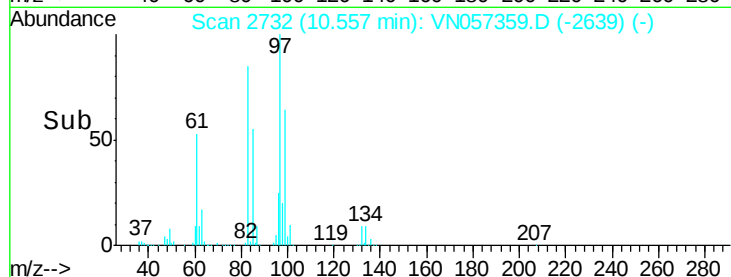
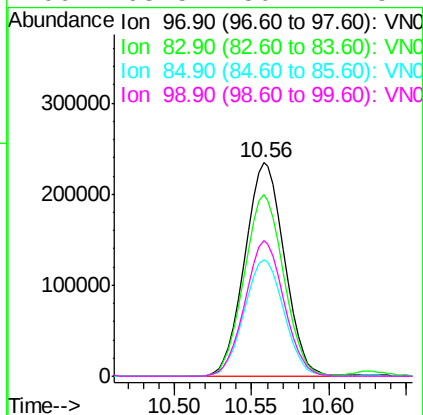
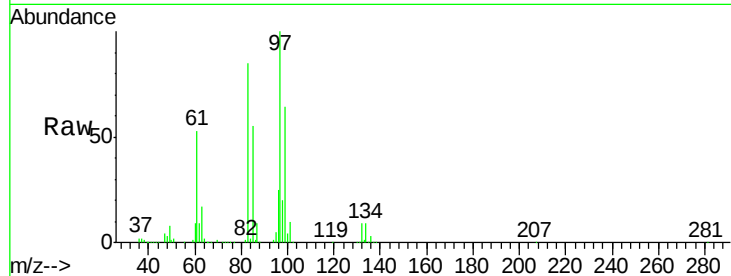
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	419387
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.8	104.8
85	54.8	44.1	66.1
99	63.5	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#56

Ethyl methacrylate

Concen: 49.810 ug/l

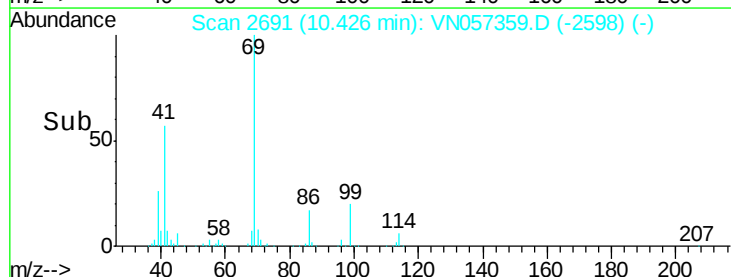
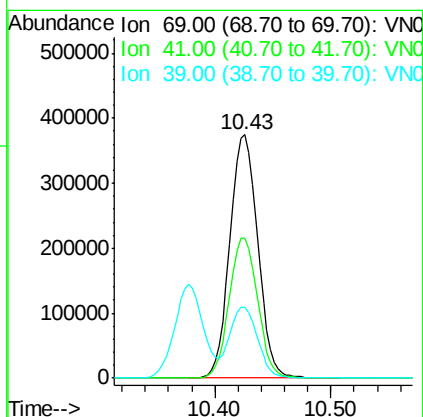
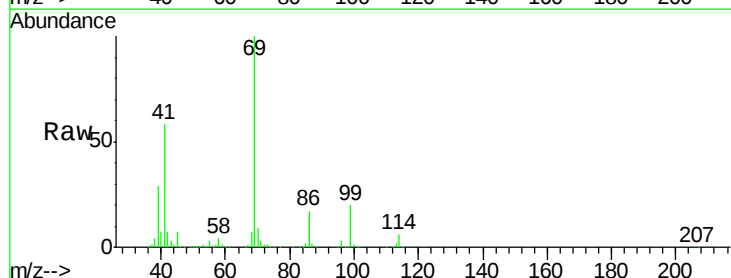
RT: 10.43 min Scan# 2691

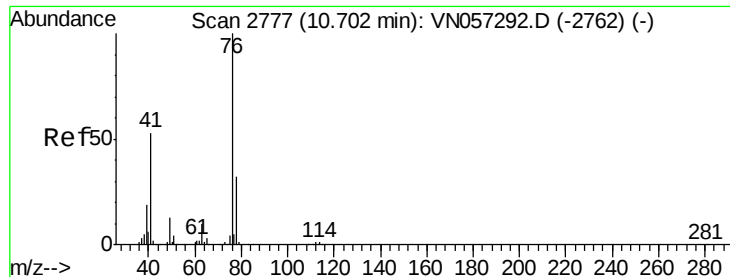
Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	69	Resp:	625294
Ion	Ratio	Lower	Upper
69	100		
41	58.1	48.2	72.2
39	29.0	23.4	35.0





#57

1,3-Dichloropropane

Concen: 47.321 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 680030

Ion Ratio Lower Upper

76 100

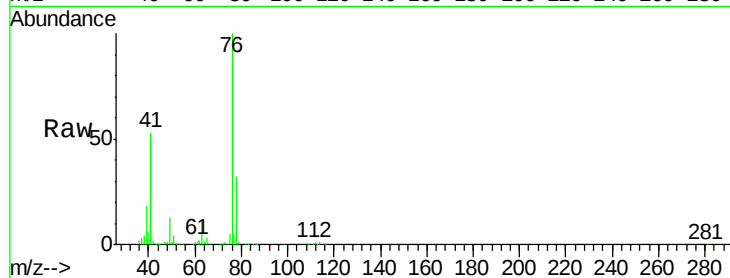
78 32.4 25.6 38.4

Manual Integrations

APPROVED

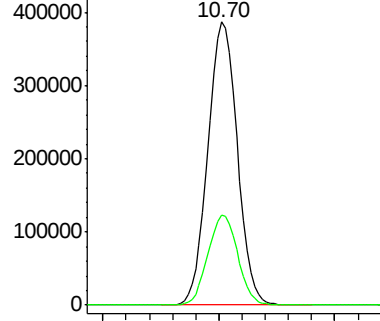
MMDadoda

8/19/2019 12:19:19 PM

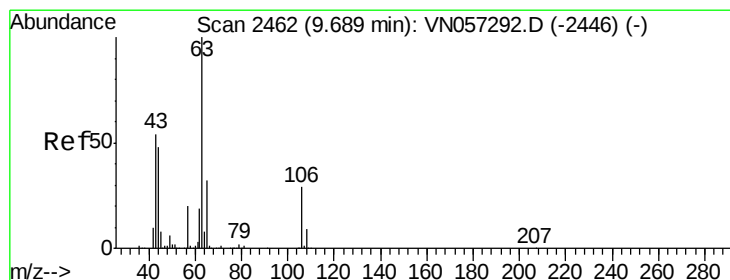
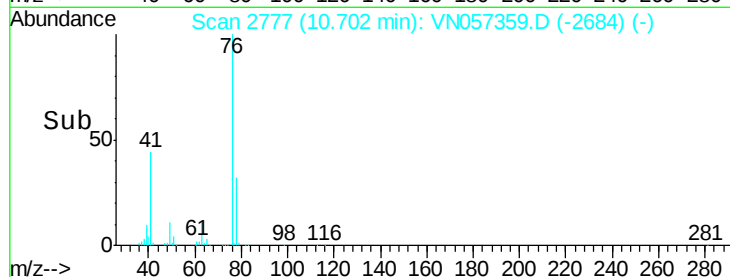


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 191.297 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057359.D

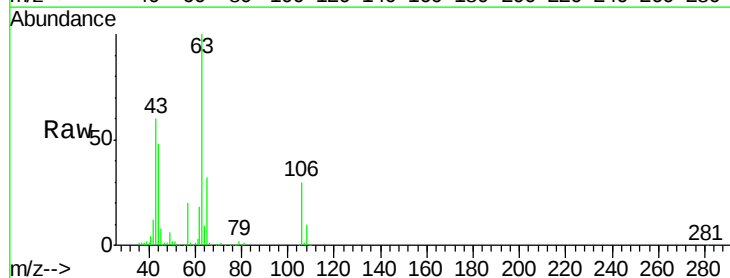
Acq: 16 Aug 2019 17:09

Tgt Ion: 63 Resp: 696197

Ion Ratio Lower Upper

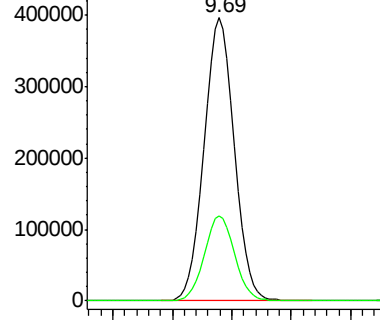
63 100

106 30.0 23.2 34.8

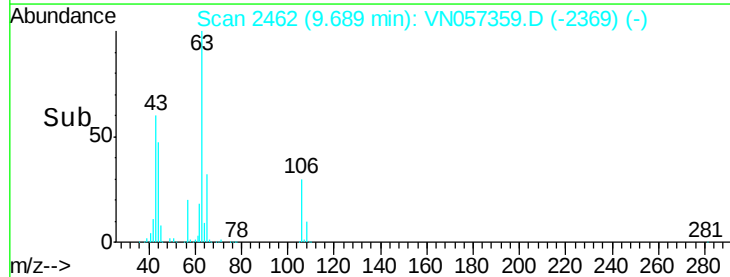


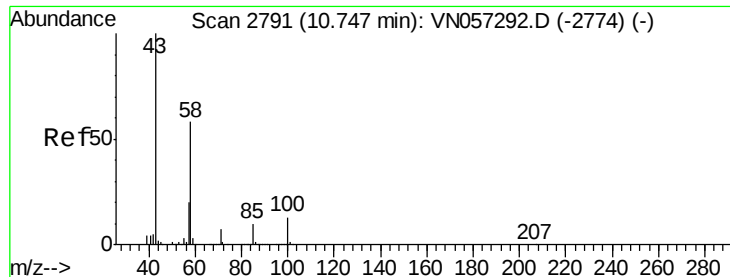
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75 9.80





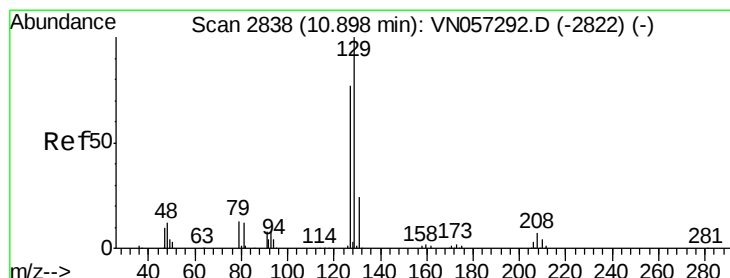
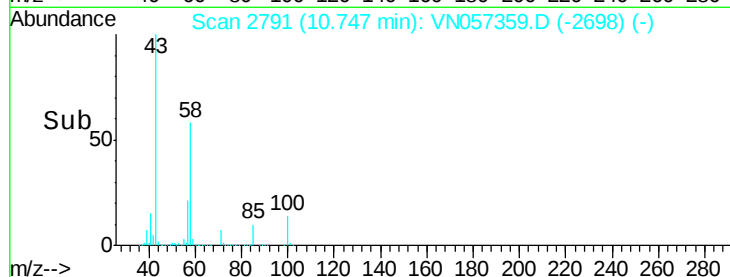
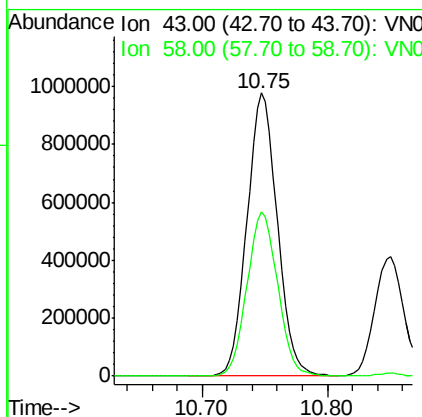
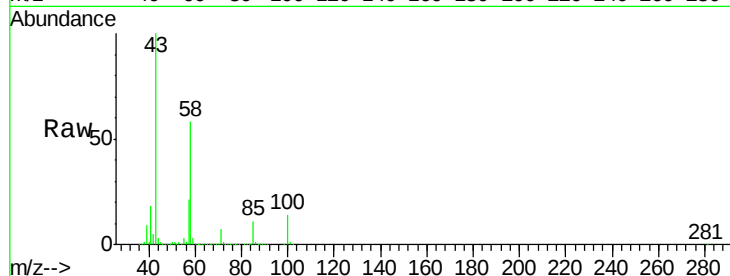
#59
2-Hexanone
Concen: 235.834 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1646227
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9

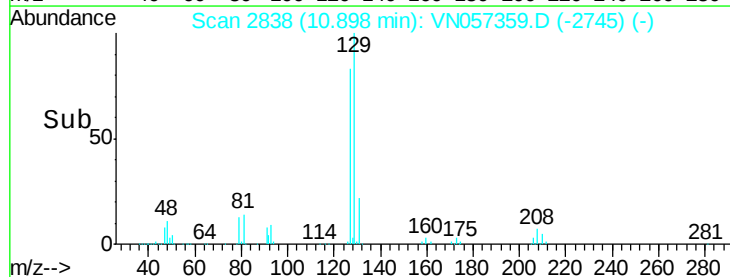
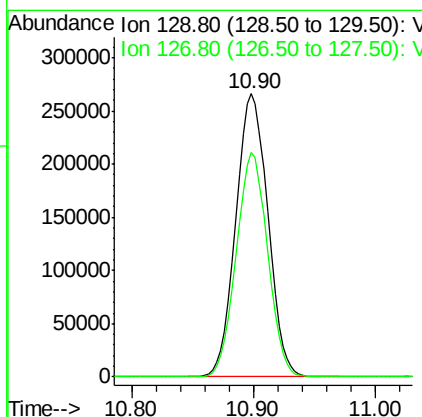
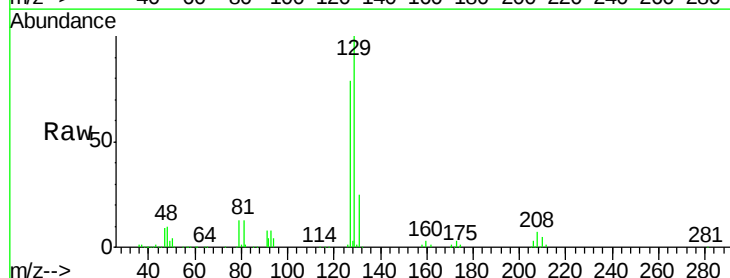
Manual Integrations
APPROVED

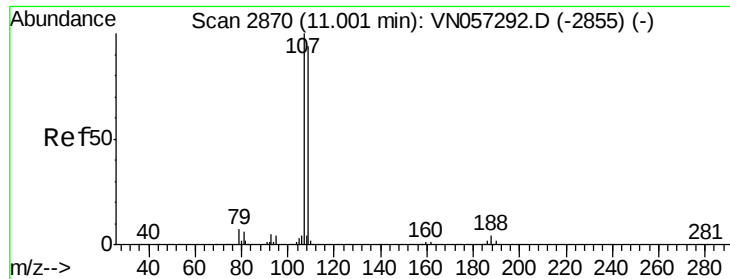
MMDadoda
8/19/2019 12:19:19 PM



#60
Dibromochloromethane
Concen: 50.188 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 129 Resp: 483809
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 48.962 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 448665

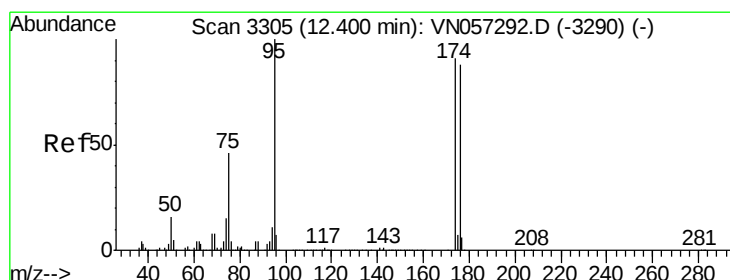
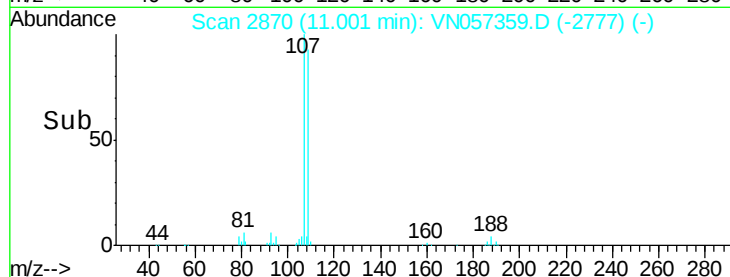
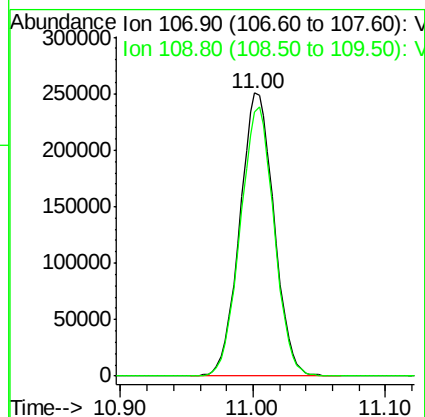
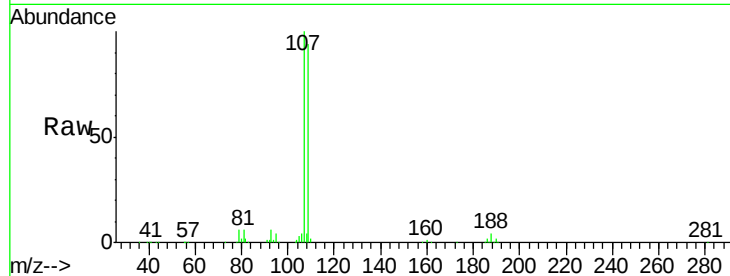
Ion Ratio Lower Upper

107 100

109 94.0 75.7 113.5

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#62

4-Bromofluorobenzene

Concen: 48.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

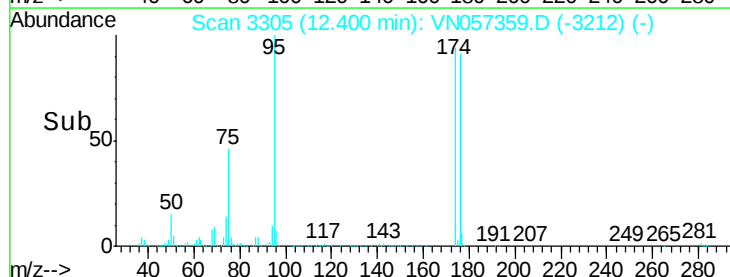
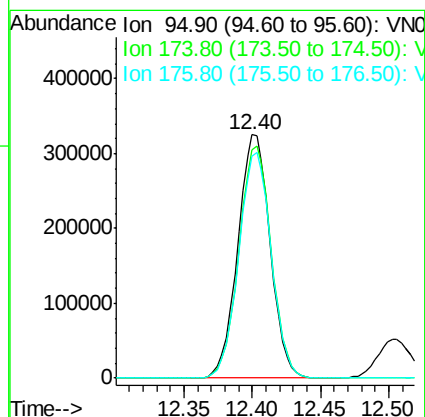
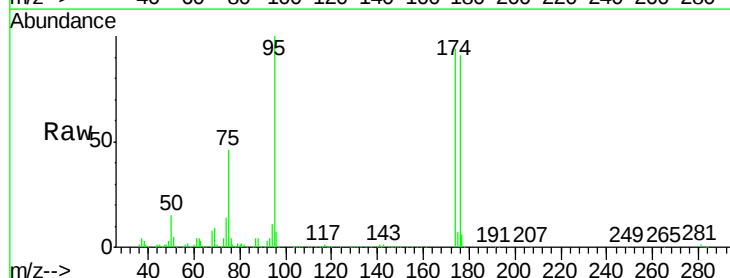
Tgt Ion: 95 Resp: 533200

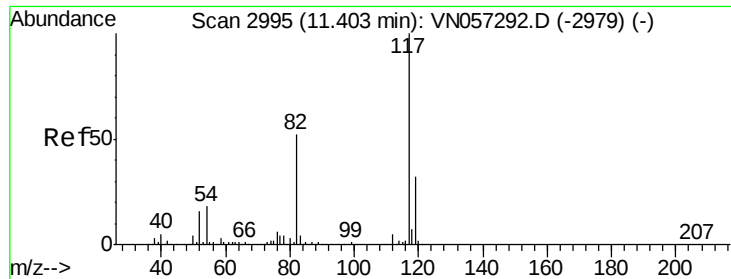
Ion Ratio Lower Upper

95 100

174 95.6 0.0 185.0

176 93.3 0.0 181.0





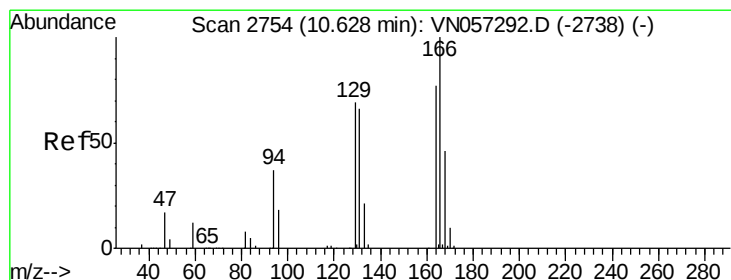
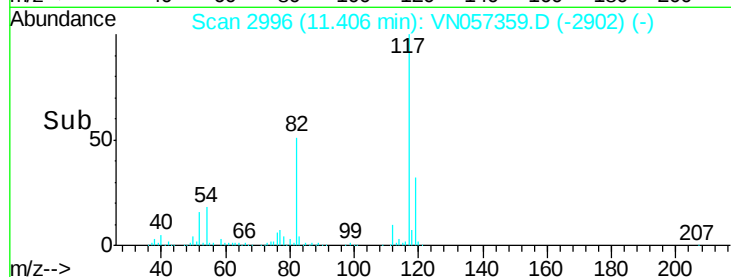
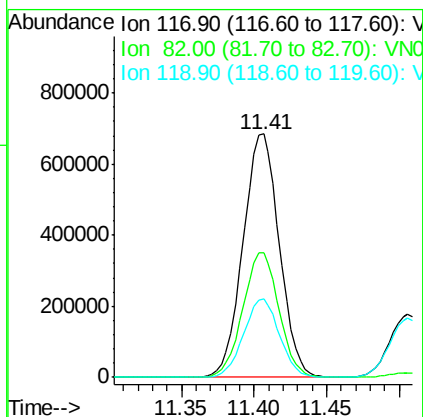
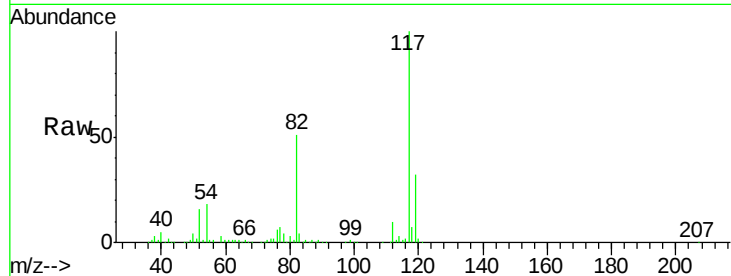
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.2	61.8
119	32.0	25.8	38.8

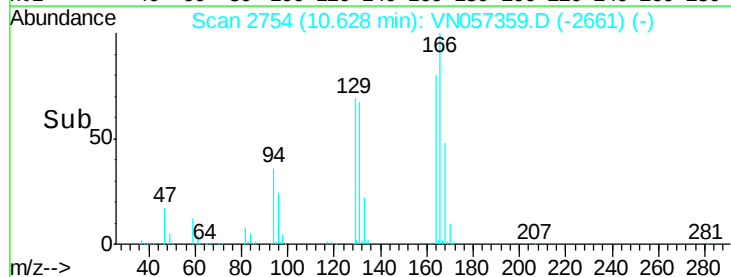
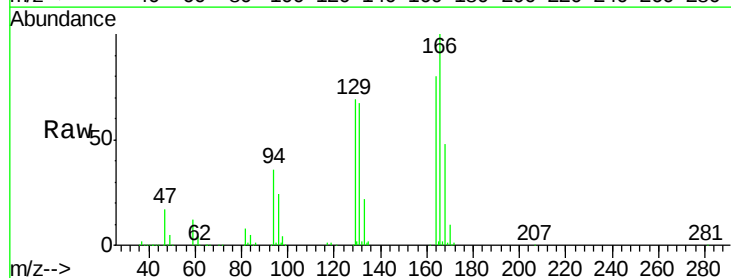
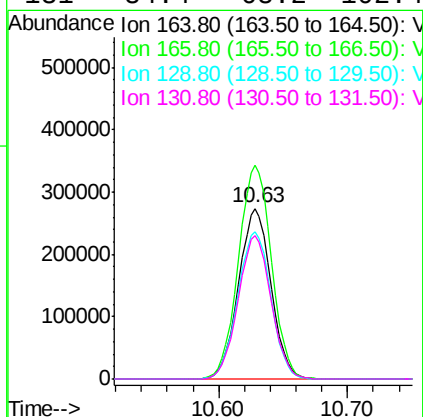
Manual Integrations
APPROVED

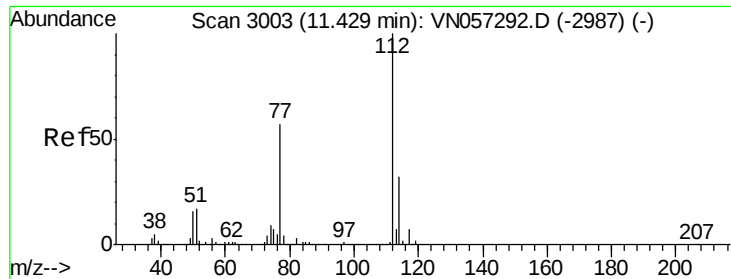
MMDadoda
8/19/2019 12:19:19 PM



#64
Tetrachloroethene
Concen: 46.562 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	103.5	155.3
129	86.4	71.2	106.8
131	84.4	68.2	102.4





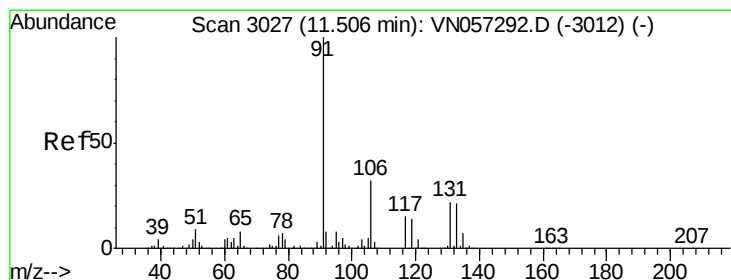
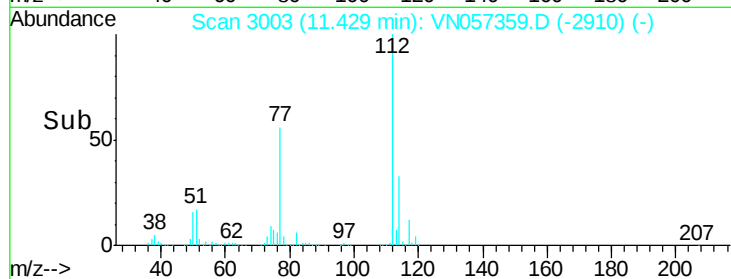
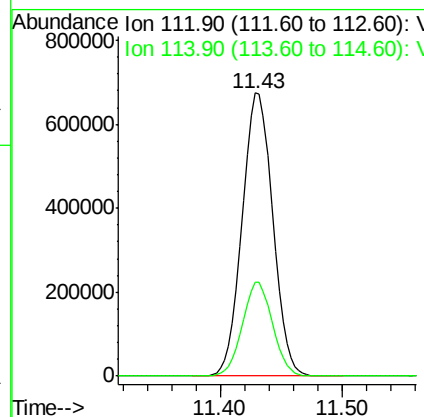
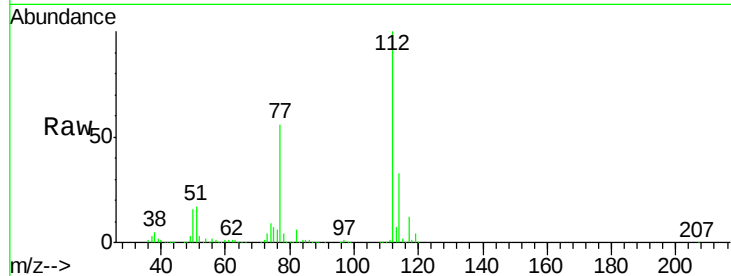
#65
Chlorobenzene
Concen: 48.153 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1169652
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5

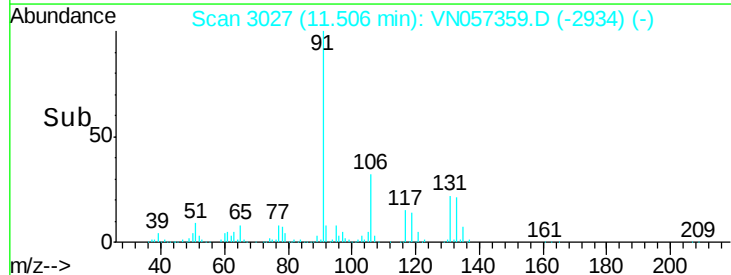
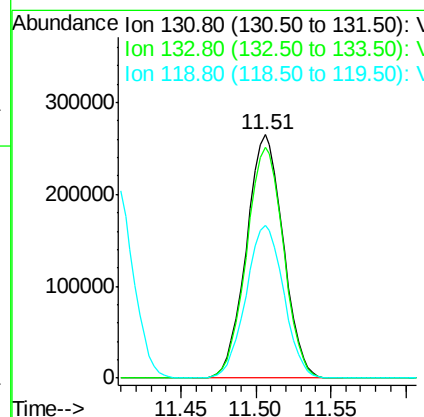
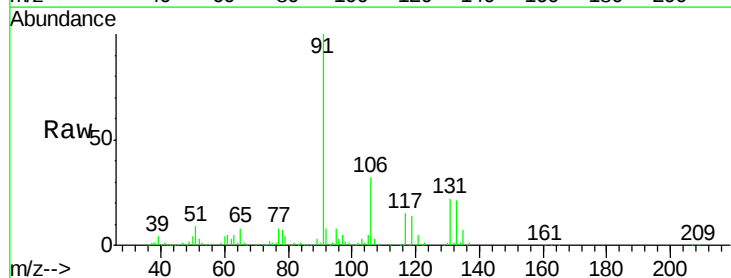
Manual Integrations
APPROVED

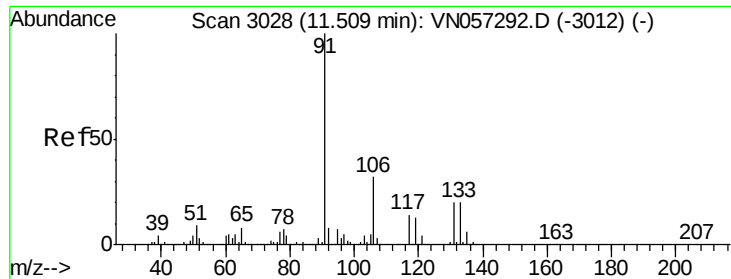
MMDadoda
8/19/2019 12:19:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.778 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion:131 Resp: 453758
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.8
119 64.3 32.0 96.2





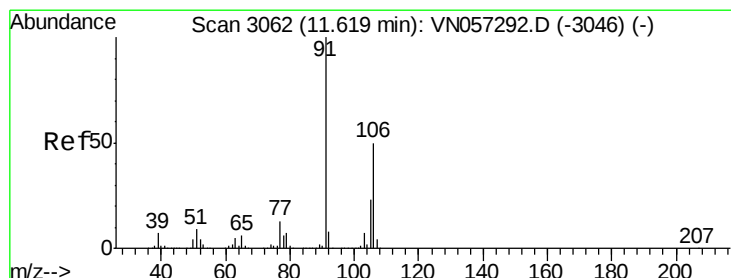
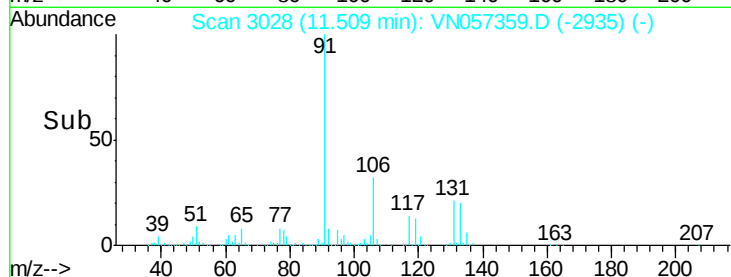
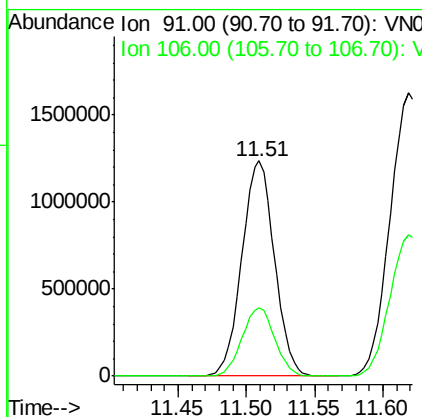
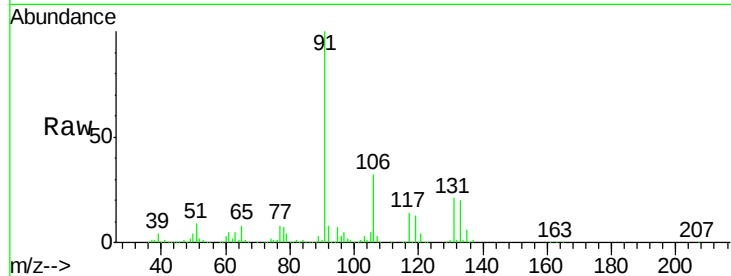
#67
Ethyl Benzene
Concen: 48.173 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2047200
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3

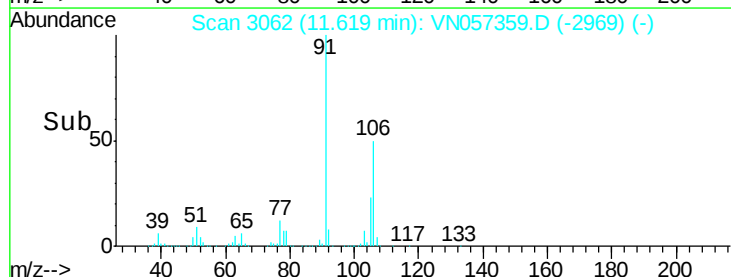
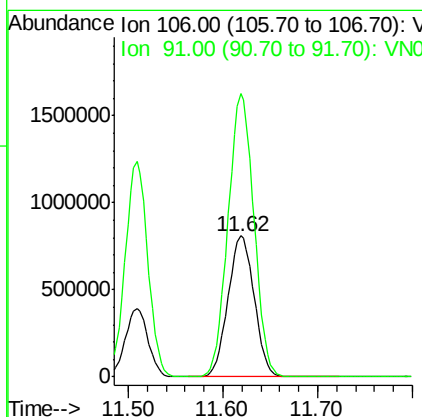
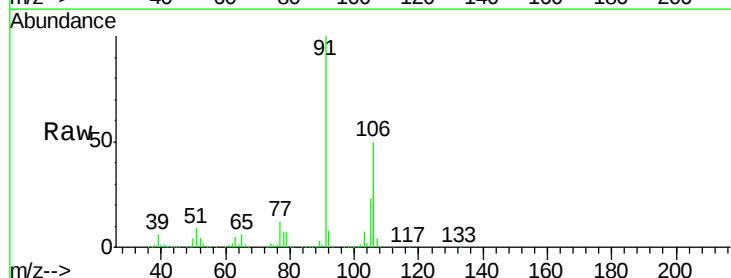
Manual Integrations
APPROVED

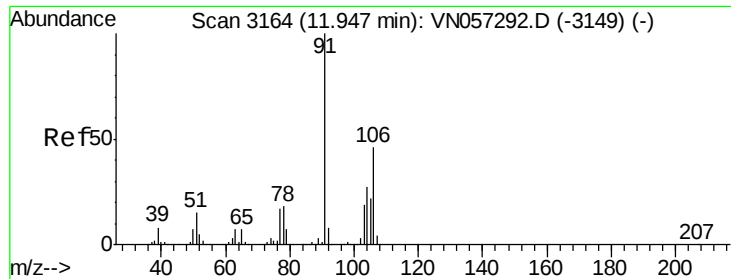
MMDadoda
8/19/2019 12:19:19 PM



#68
m/p-Xylenes
Concen: 99.160 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 106 Resp: 1552589
Ion Ratio Lower Upper
106 100
91 198.7 161.5 242.3





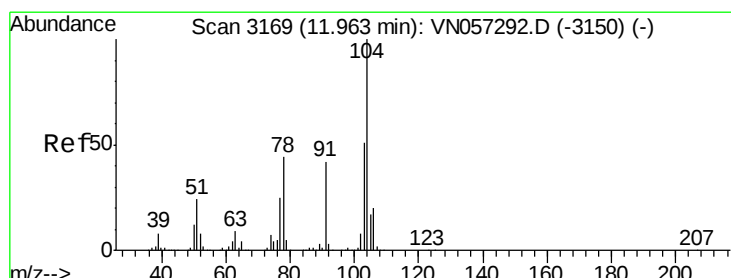
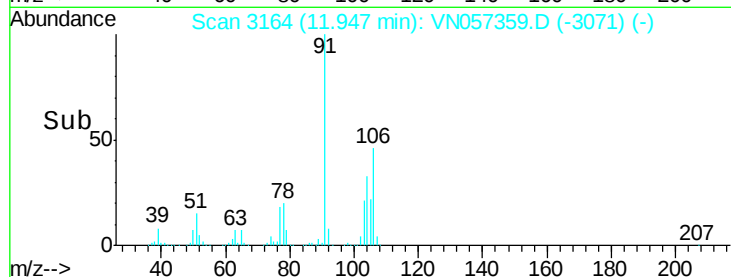
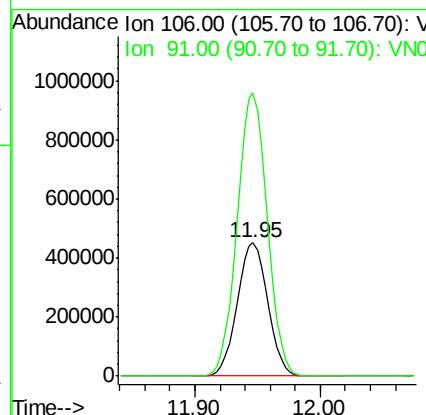
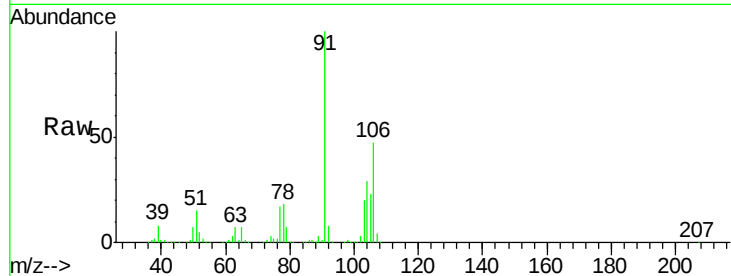
#69
o-Xylene
Concen: 49.634 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	209.4	106.3	763049	319.0	

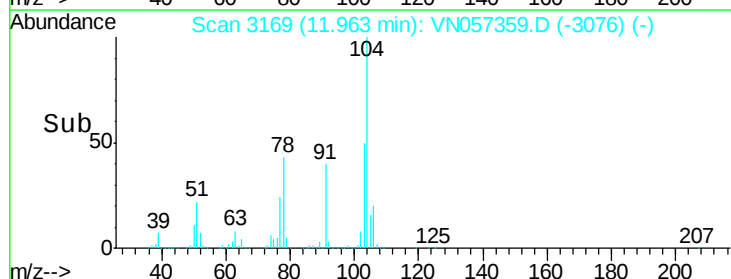
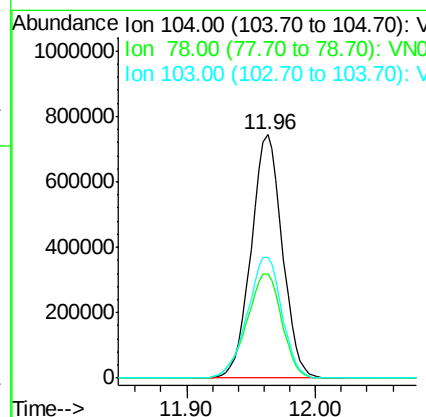
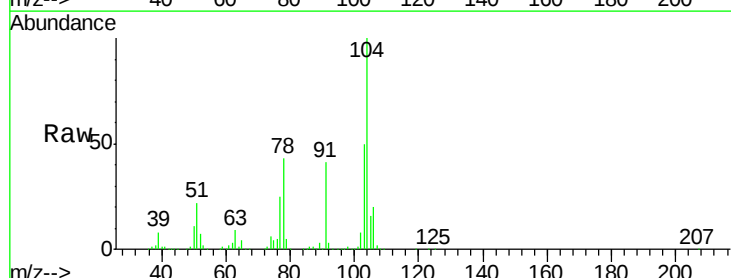
Manual Integrations
APPROVED

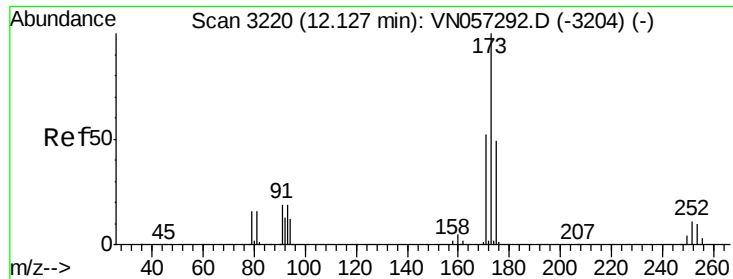
MMDadoda
8/19/2019 12:19:19 PM



#70
Styrene
Concen: 51.066 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.4	39.2	58.8	
103	55.1	44.6	66.8	





#71

Bromoform

Concen: 51.472 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:173 Resp: 377747

Ion Ratio Lower Upper

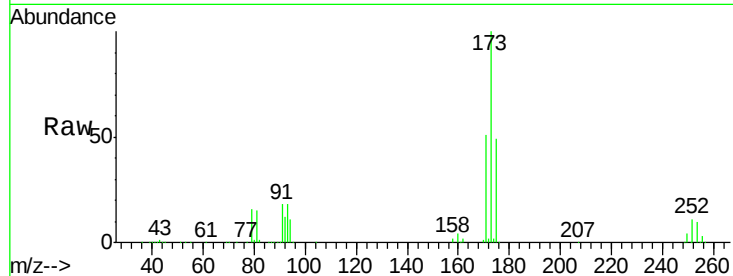
173 100

175 49.5 24.2 72.6

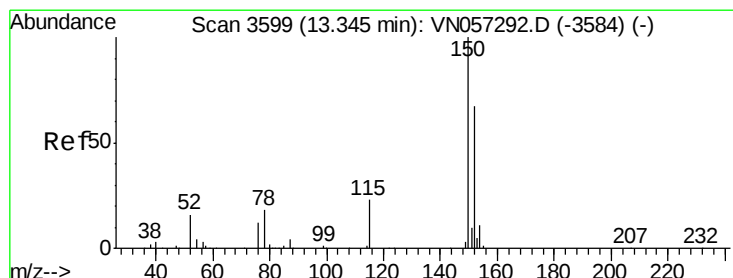
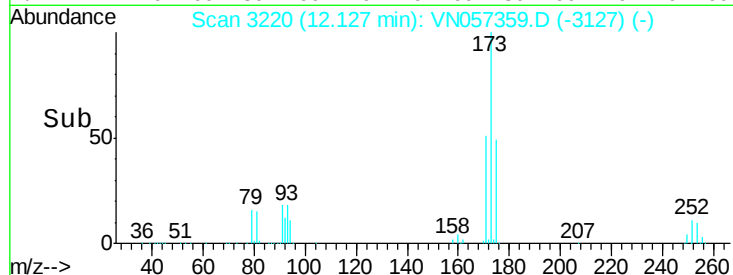
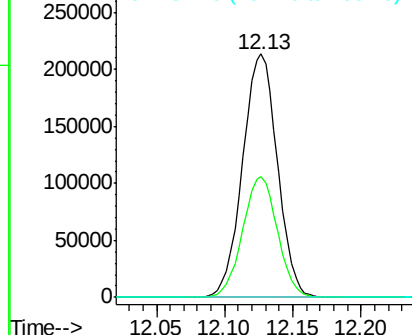
254 0.1 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

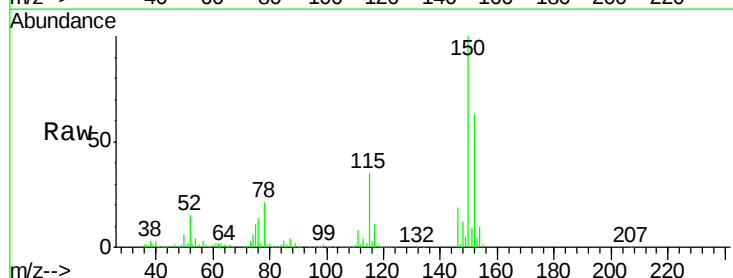
Tgt Ion:152 Resp: 471865

Ion Ratio Lower Upper

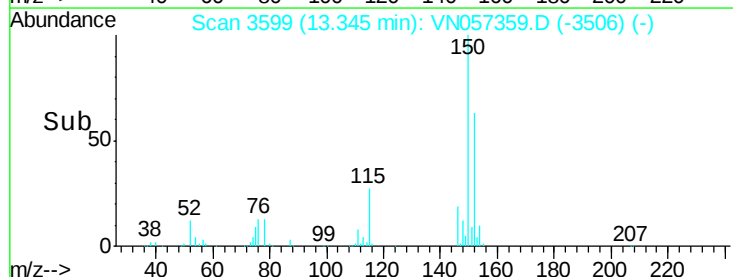
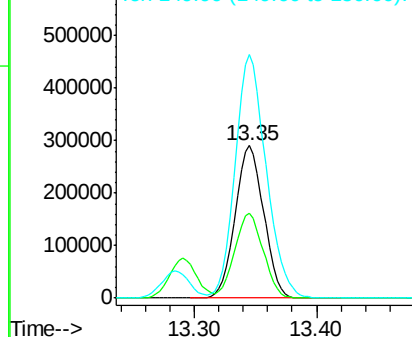
152 100

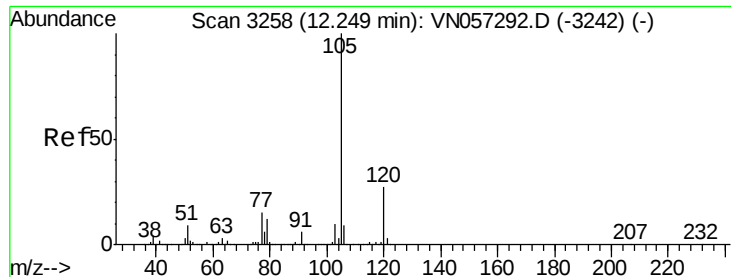
115 55.5 27.3 81.9

150 173.3 0.0 344.4



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: 54.332 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2027716

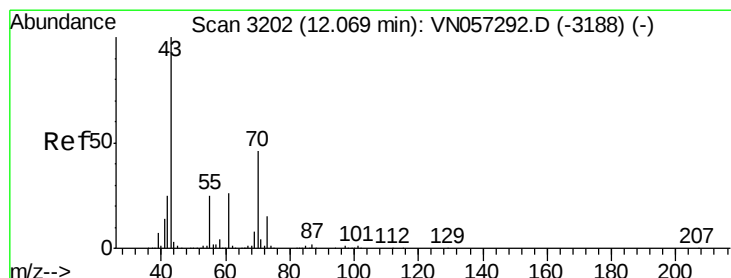
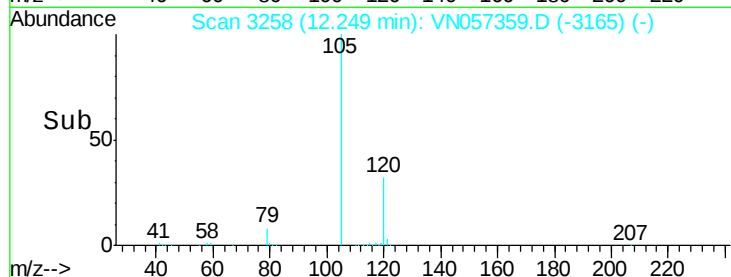
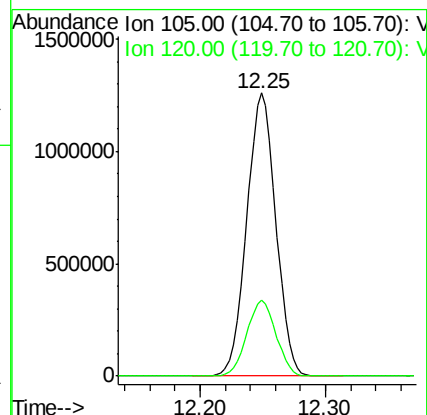
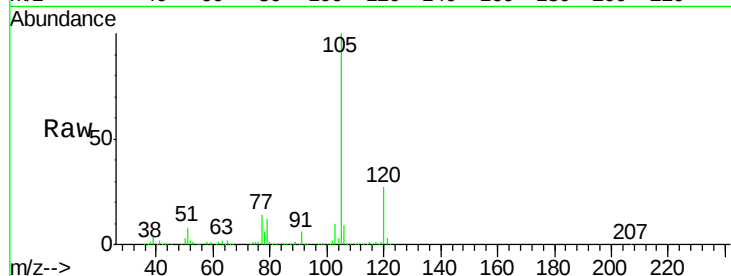
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#74

N-ethyl acetate

Concen: 45.248 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion: 43 Resp: 619553

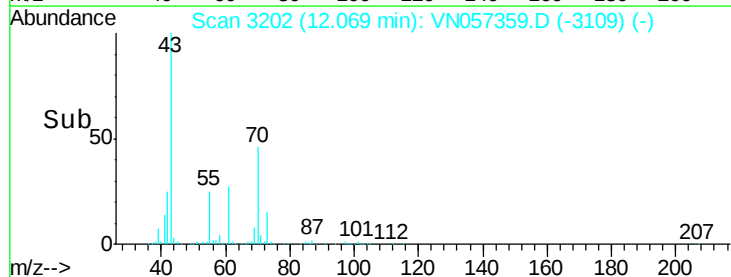
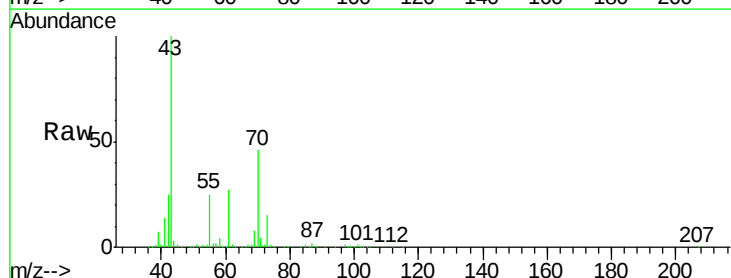
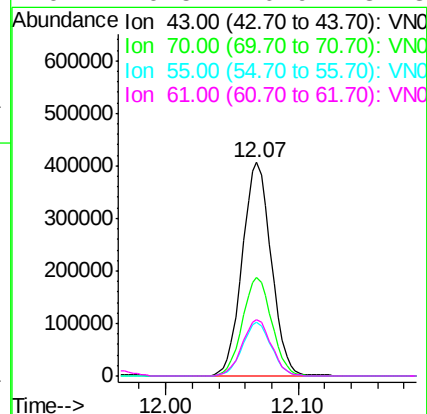
Ion Ratio Lower Upper

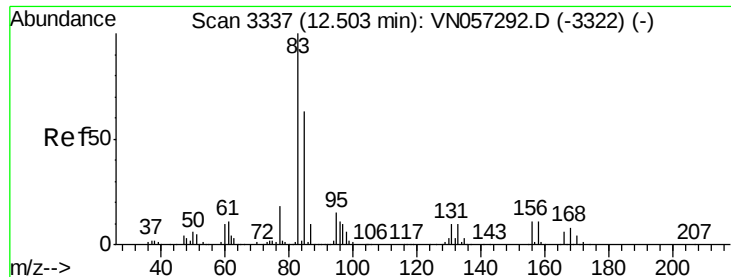
43 100

70 46.7 36.2 54.2

55 25.2 20.1 30.1

61 26.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.899 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

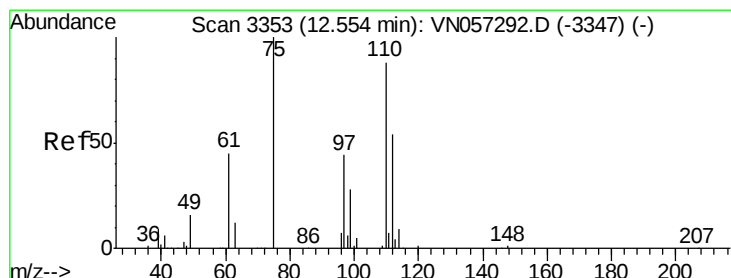
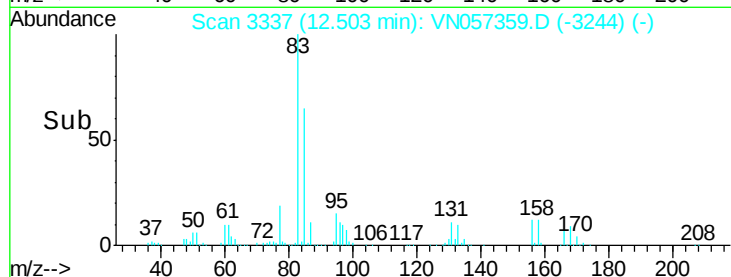
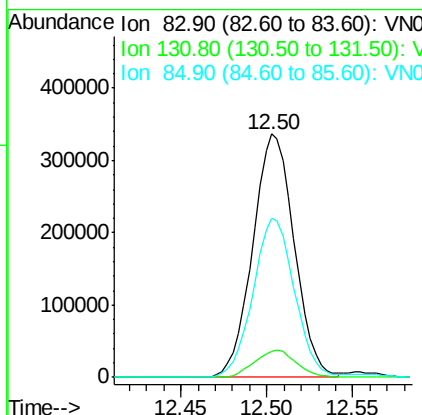
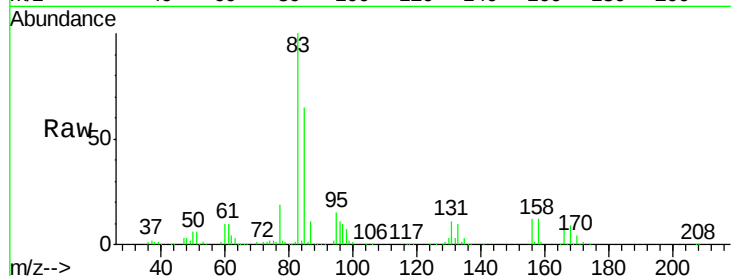
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	561663
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.3	32.3	96.9

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#76

1,2,3-Trichloropropane

Concen: 51.500 ug/l m

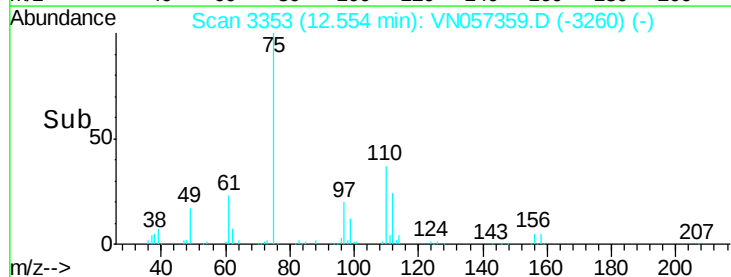
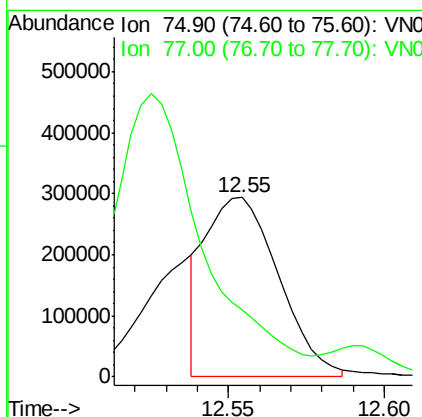
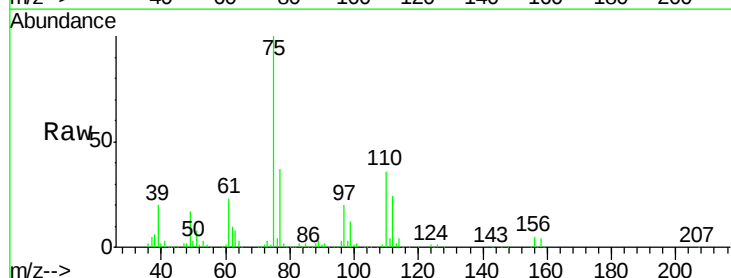
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	75	Resp:	478018
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.822 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

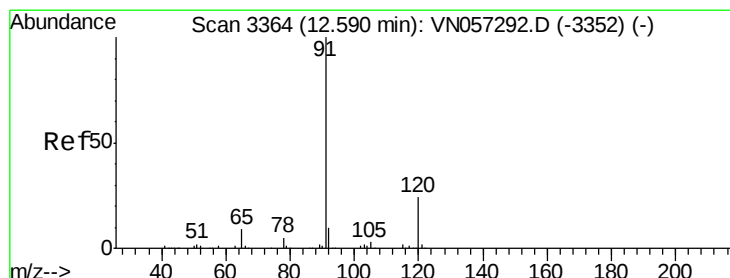
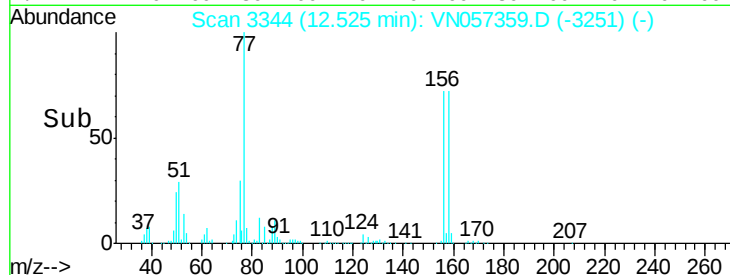
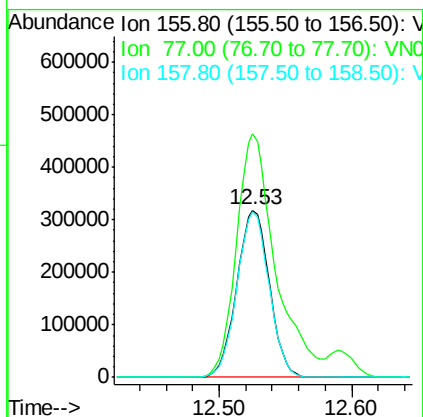
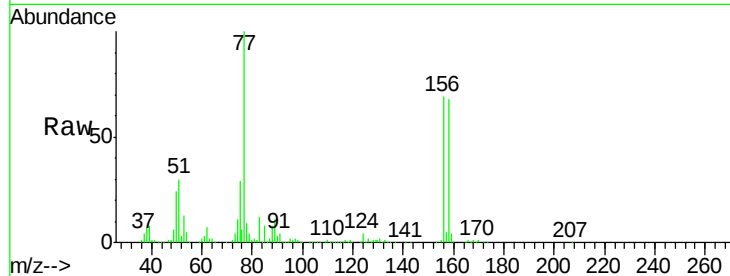
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	542695
Ion Ratio	Lower	Upper	
156	100		
77	174.5	89.8	269.6
158	97.8	49.3	147.8

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#78

n-propylbenzene

Concen: 46.636 ug/l

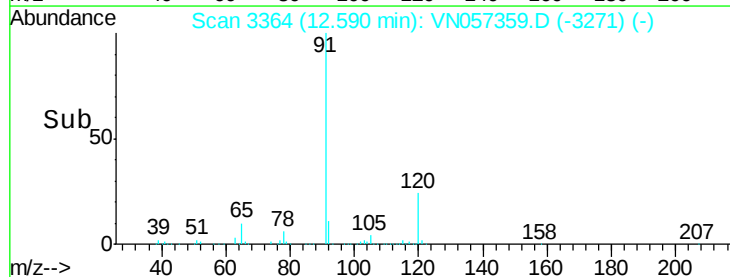
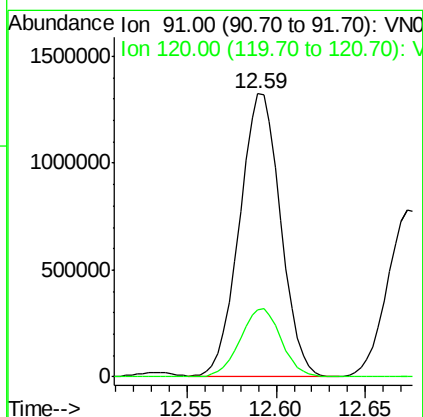
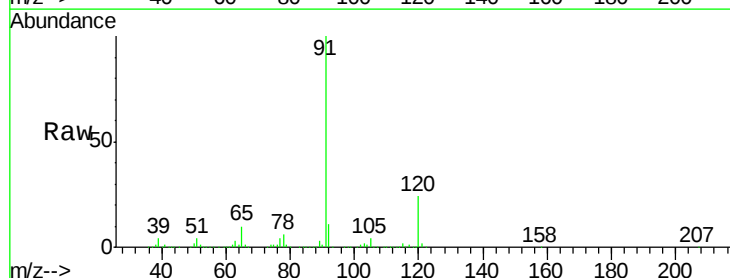
RT: 12.59 min Scan# 3364

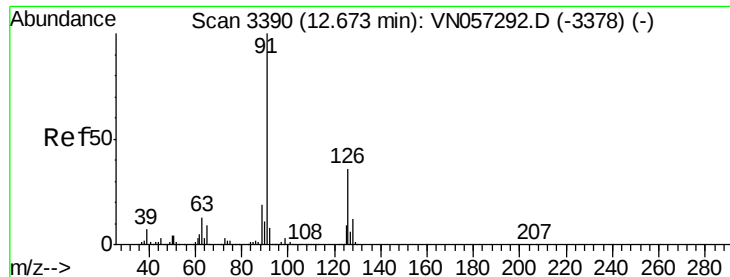
Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Tgt Ion:	91	Resp:	2119105
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.9	35.7





#79

2-Chlorotoluene

Concen: 52.813 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057359.D

Acq: 16 Aug 2019 17:09

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1308689

Ion Ratio Lower Upper

91 100

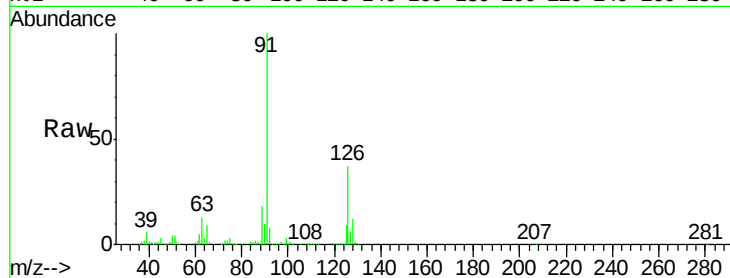
126 36.5 18.1 54.1

Manual Integrations

APPROVED

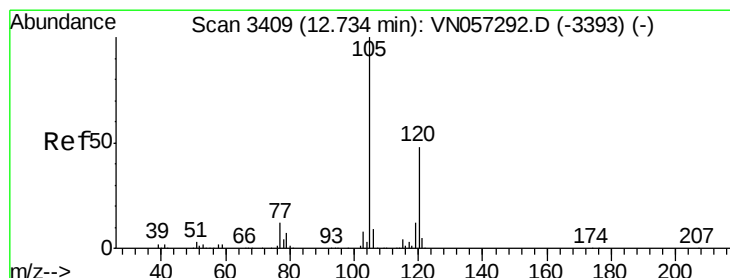
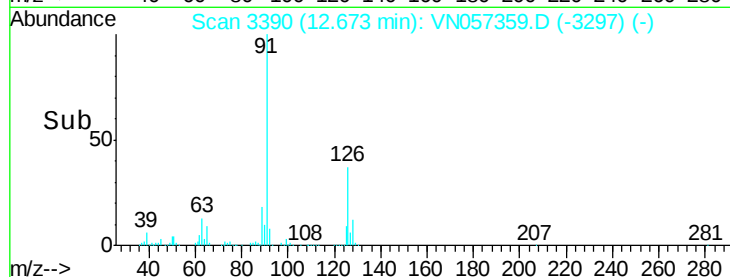
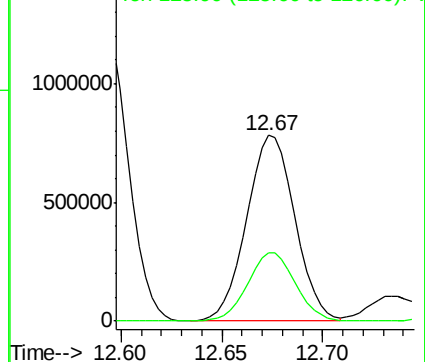
MMDadoda

8/19/2019 12:19:19 PM



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.386 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057359.D

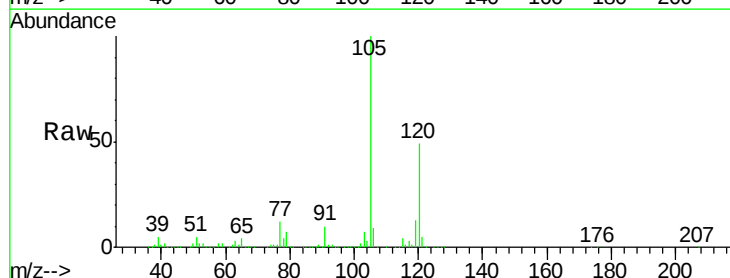
Acq: 16 Aug 2019 17:09

Tgt Ion: 105 Resp: 1692429

Ion Ratio Lower Upper

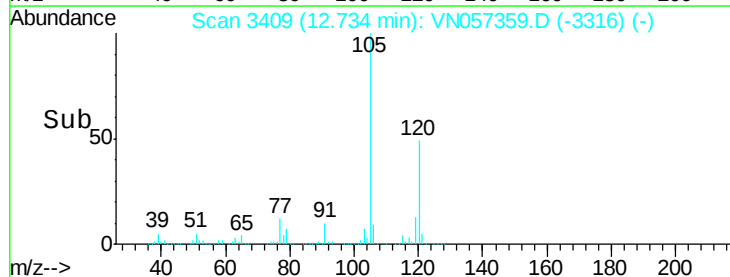
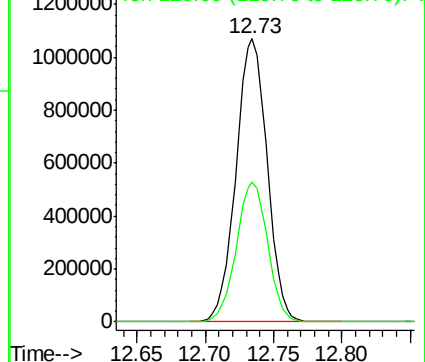
105 100

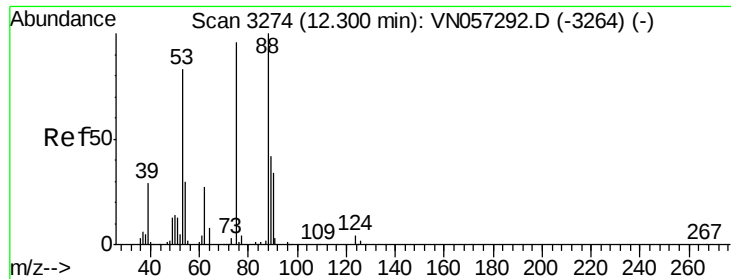
120 49.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)





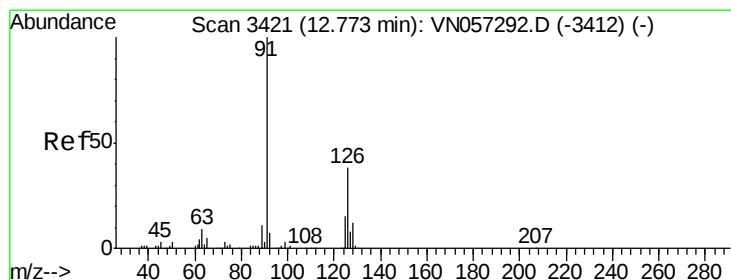
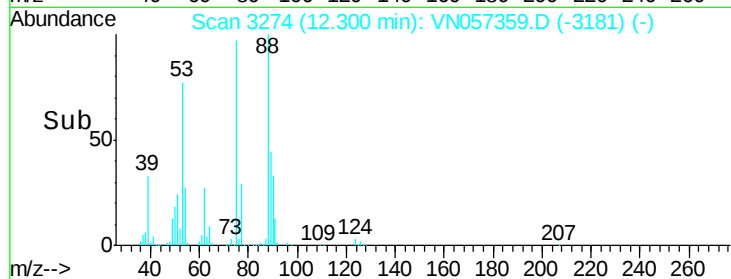
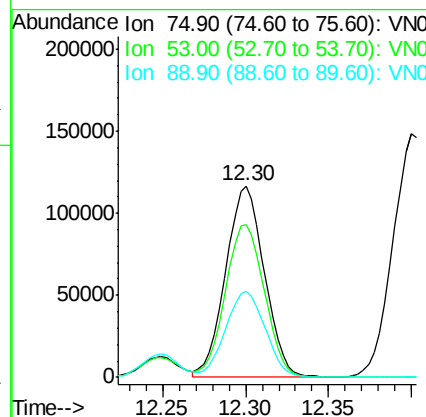
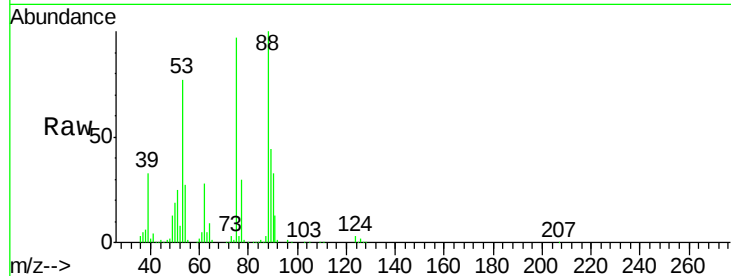
#81
trans-1,4-Dichloro-2-butene
Concen: 48.531 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	80.9	67.9	101.9
89	46.6	36.2	54.4

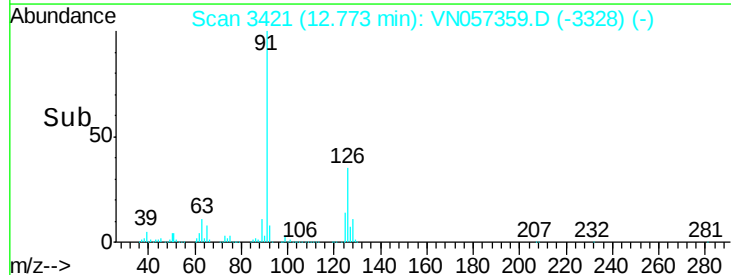
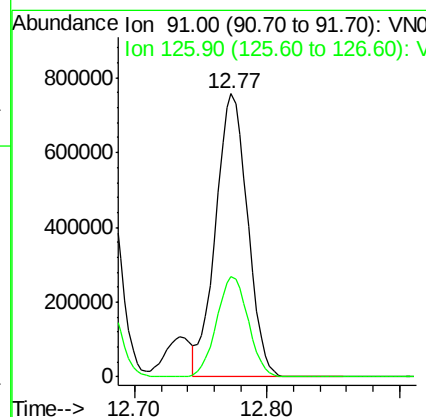
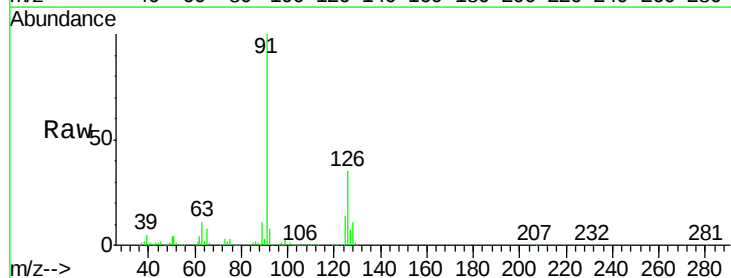
Manual Integrations
APPROVED

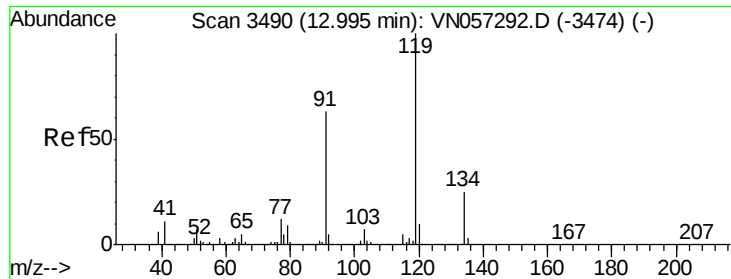
MMDadoda
8/19/2019 12:19:19 PM



#82
4-Chlorotoluene
Concen: 46.898 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.3	51.7





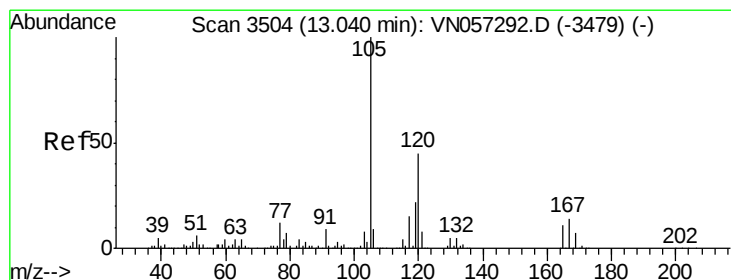
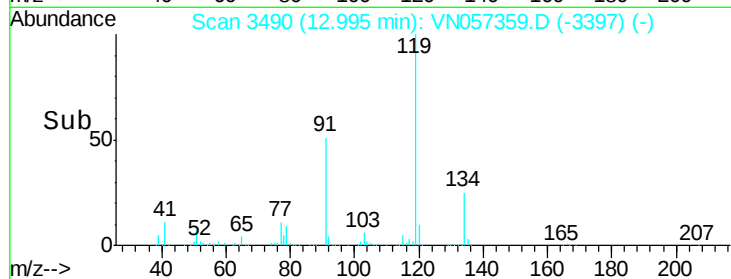
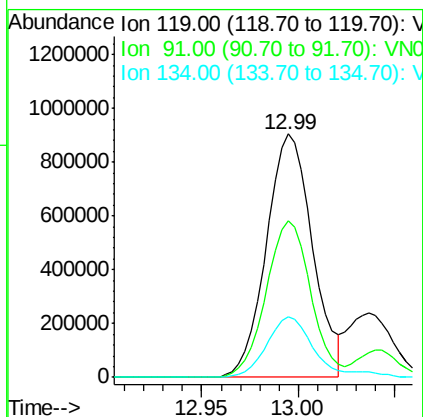
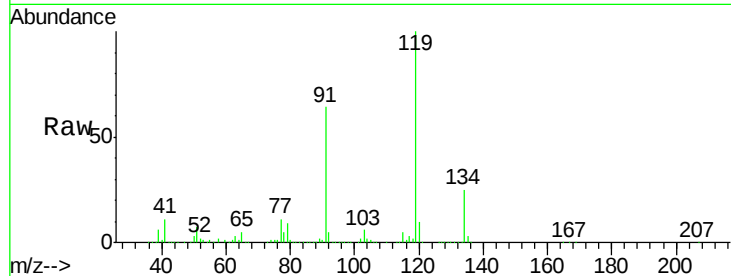
#83
 tert-Butylbenzene
 Concen: 54.084 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	25.9	13.1	39.1

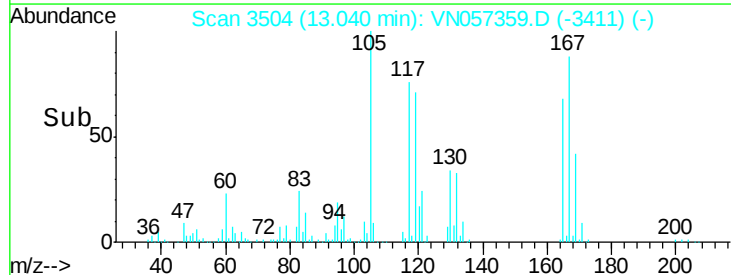
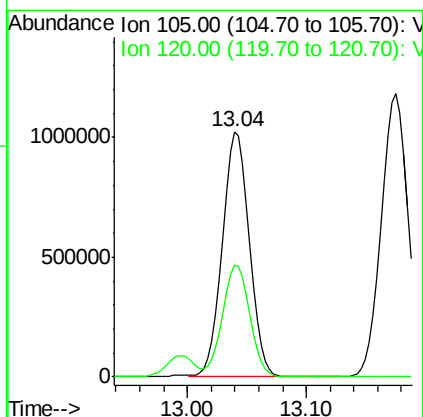
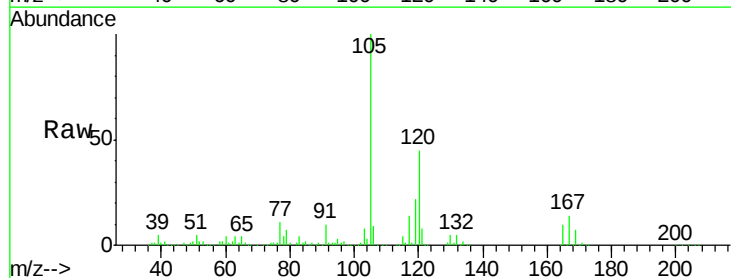
Manual Integrations
 APPROVED

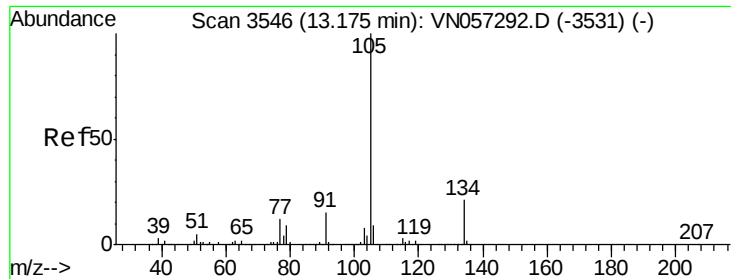
MMDadoda
 8/19/2019 12:19:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 47.285 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.6	67.7





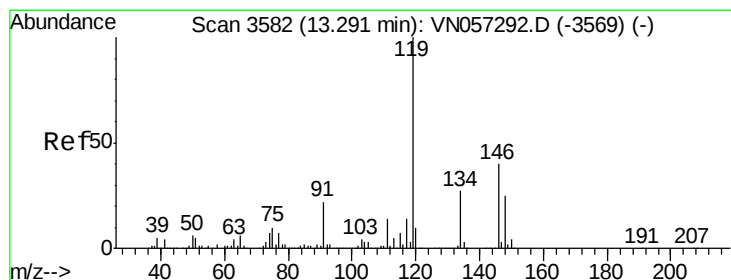
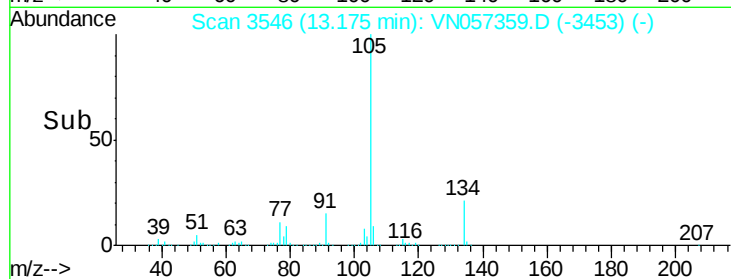
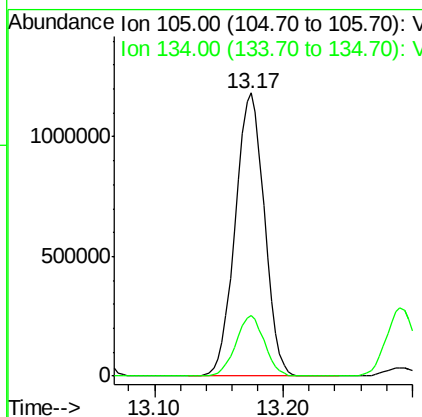
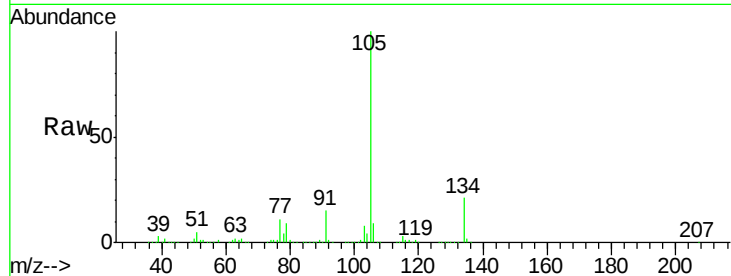
#85
 sec-Butylbenzene
 Concen: 52.055 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1855991
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.2

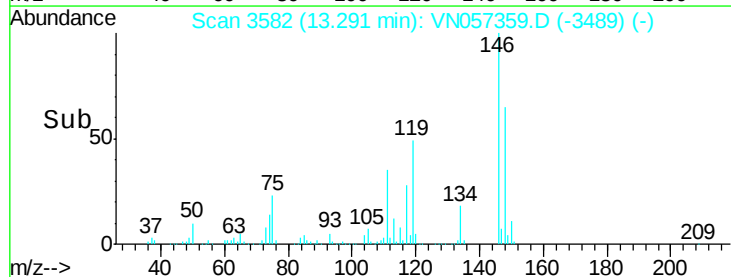
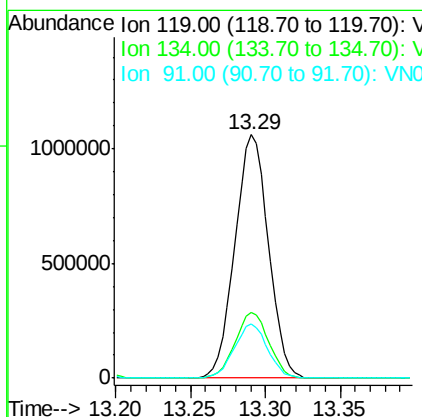
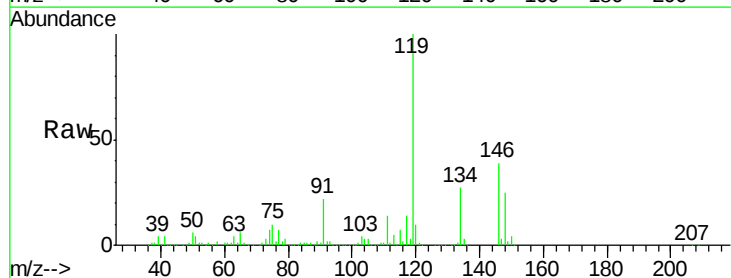
Manual Integrations
 APPROVED

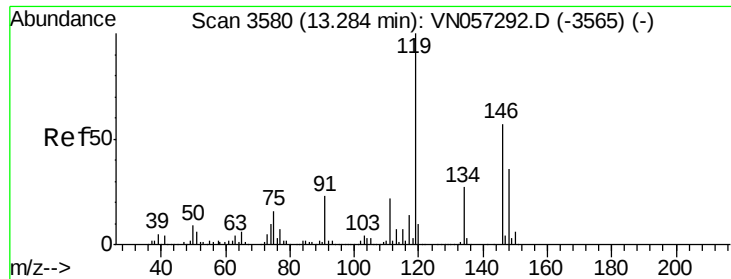
MMDadoda
 8/19/2019 12:19:19 PM



#86
 p-Isopropyltoluene
 Concen: 47.505 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:119 Resp: 1653002
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.4 40.2
 91 21.9 11.2 33.5





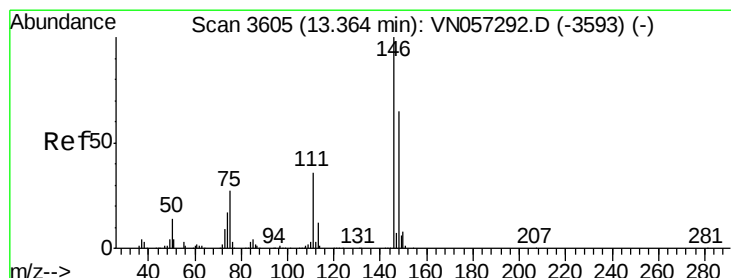
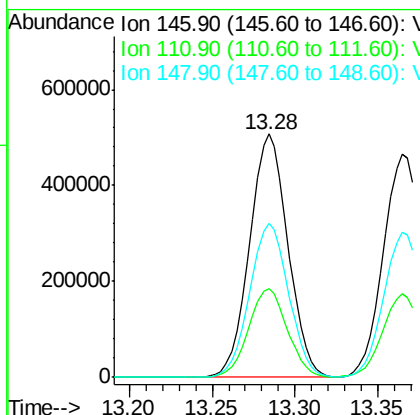
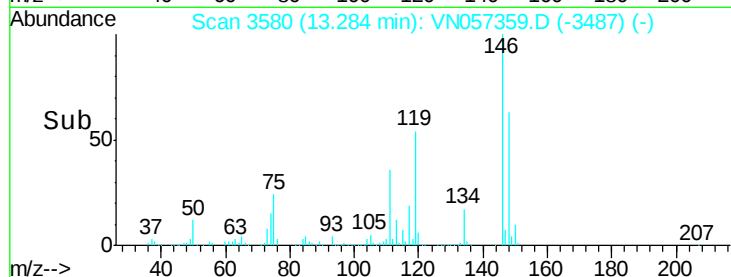
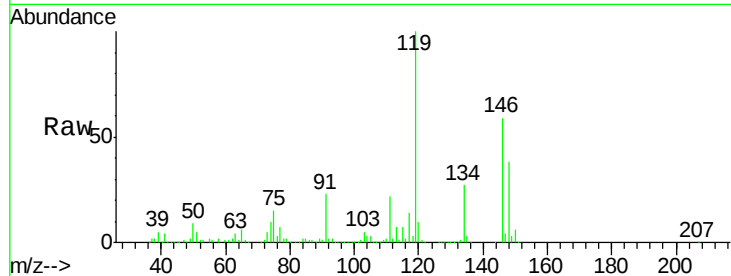
#87
 1,3-Dichlorobenzene
 Concen: 49.257 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	64.1	31.7	95.1

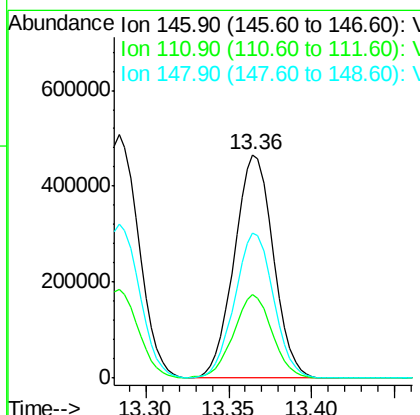
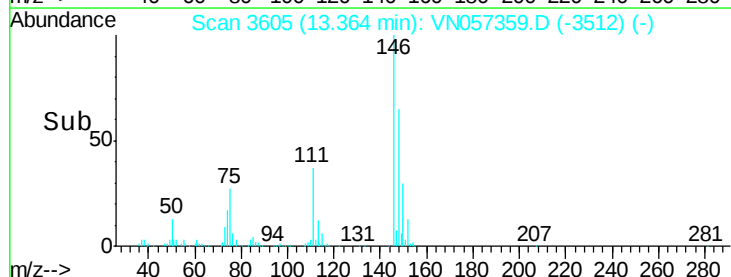
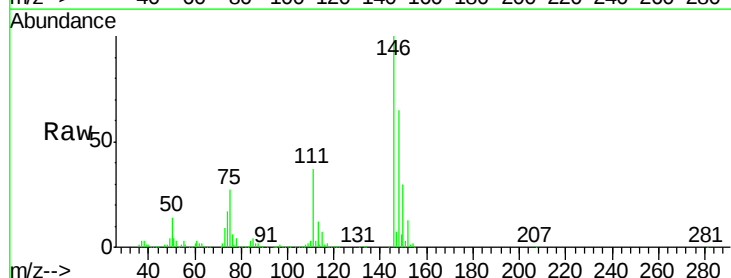
Manual Integrations
 APPROVED

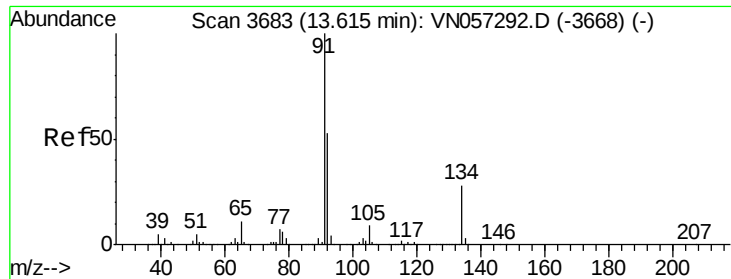
MMDadoda
 8/19/2019 12:19:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.473 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.8	32.5	97.4





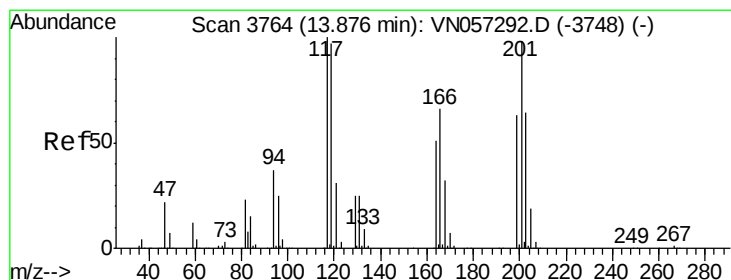
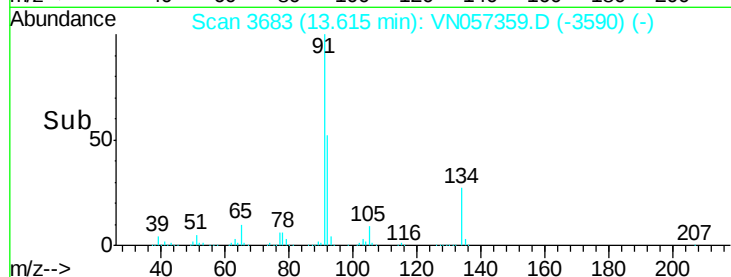
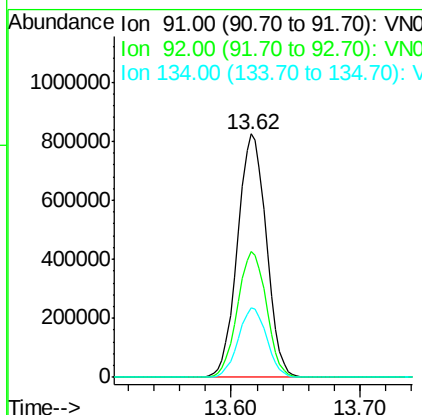
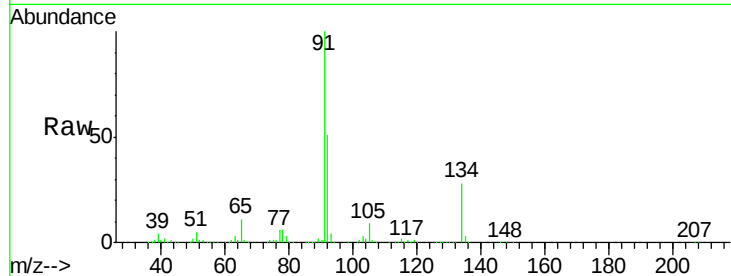
#89
n-Butylbenzene
Concen: 51.543 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1278590
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 28.2 13.9 41.7

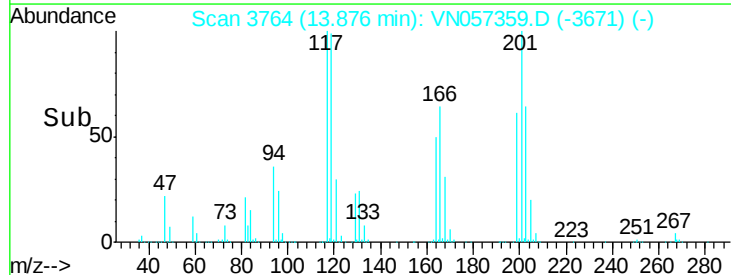
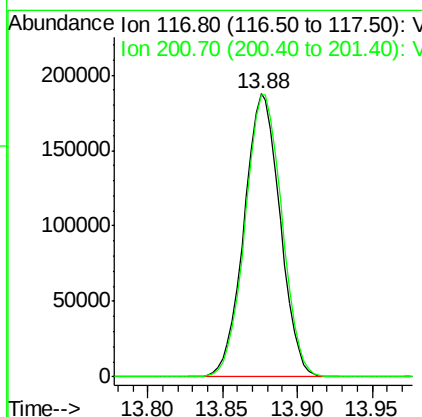
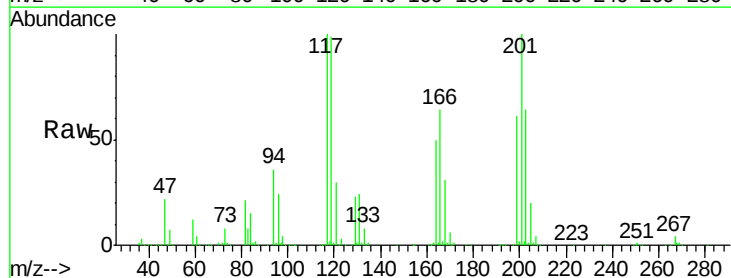
Manual Integrations
APPROVED

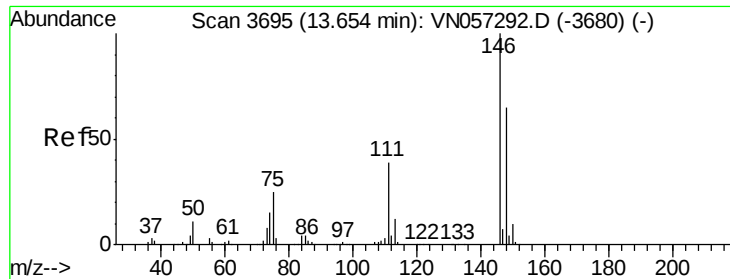
MMDadoda
8/19/2019 12:19:19 PM



#90
Hexachloroethane
Concen: 53.182 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion: 117 Resp: 313860
Ion Ratio Lower Upper
117 100
201 101.8 48.4 145.0





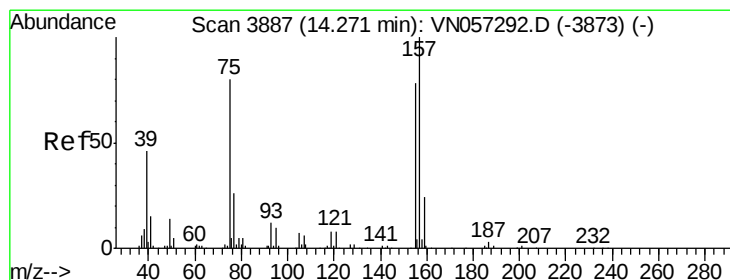
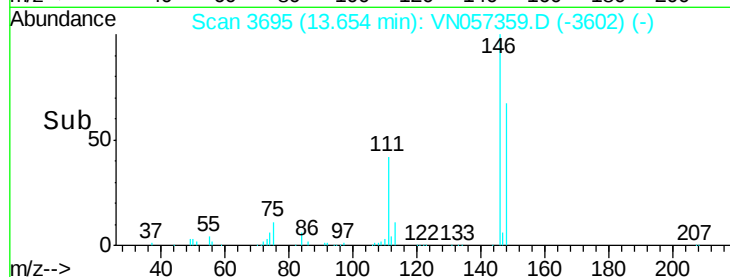
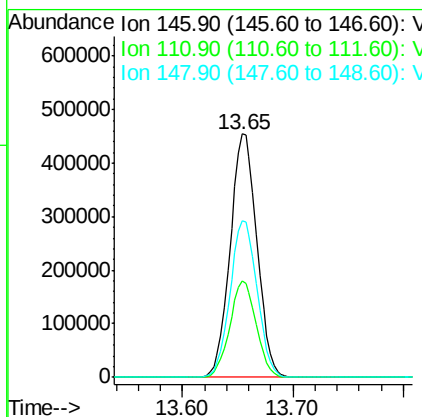
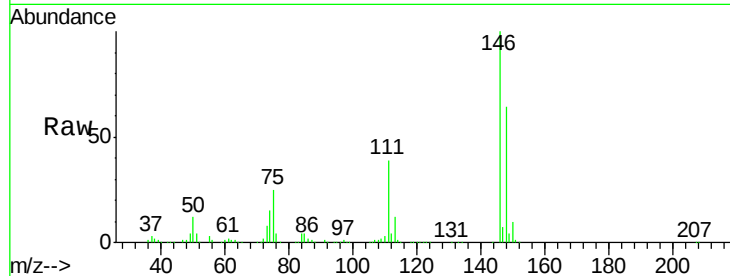
#91
 1,2-Dichlorobenzene
 Concen: 49.574 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	64.8	32.0	96.0

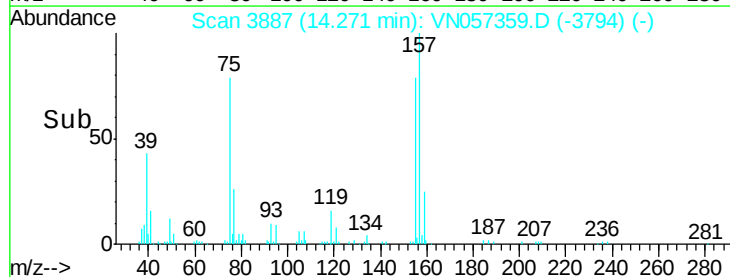
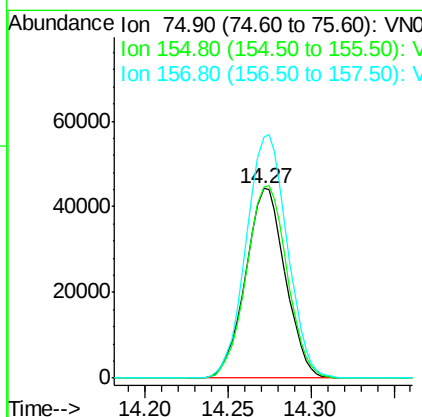
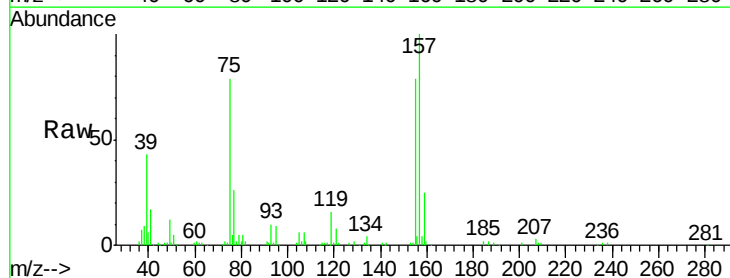
Manual Integrations
 APPROVED

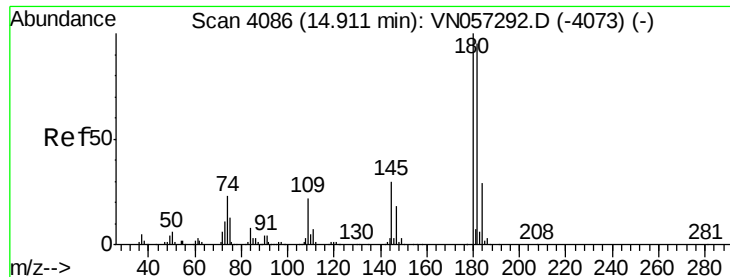
MMDadoda
 8/19/2019 12:19:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.823 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.1	49.6	148.8
157	132.5	63.7	191.1





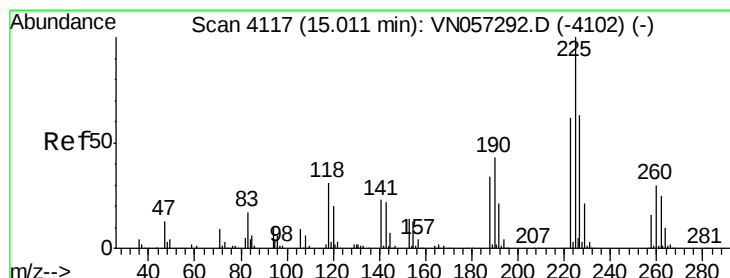
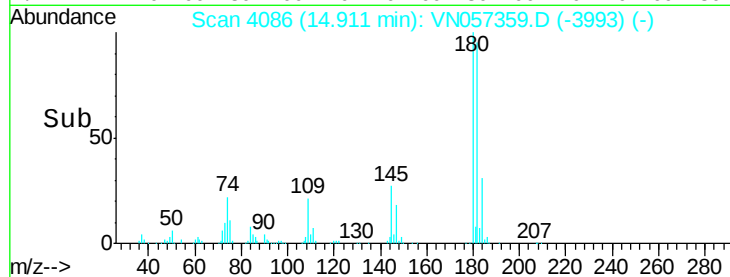
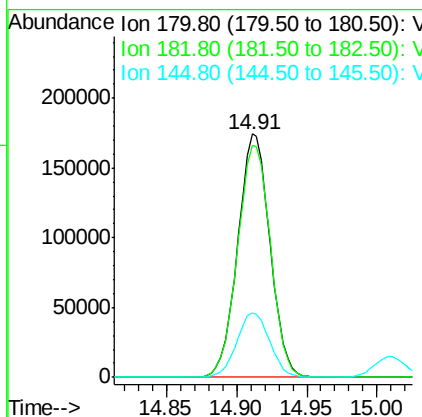
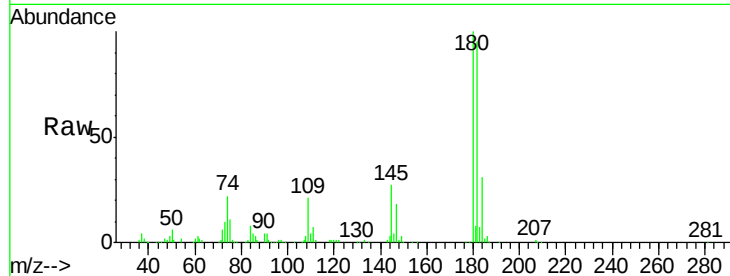
#93
 1,2,4-Trichlorobenzene
 Concen: 45.825 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	279342
Ion Ratio	Lower	Upper	
180	100		
182	97.7	48.0	144.2
145	27.1	14.5	43.6

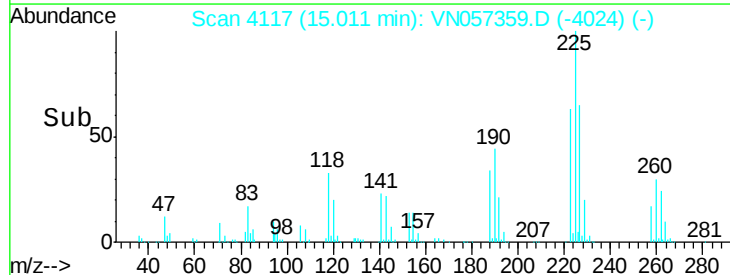
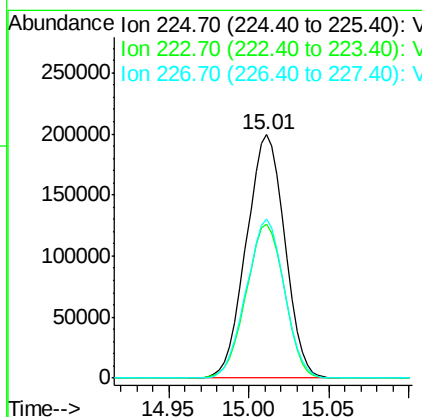
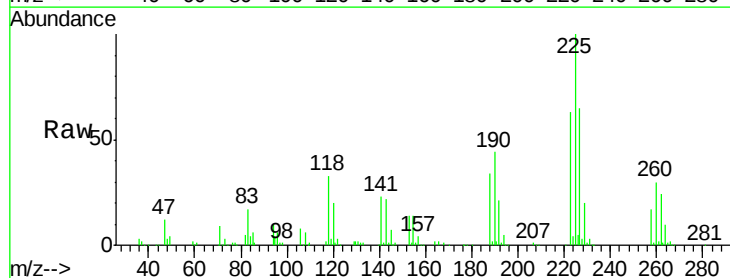
Manual Integrations
 APPROVED

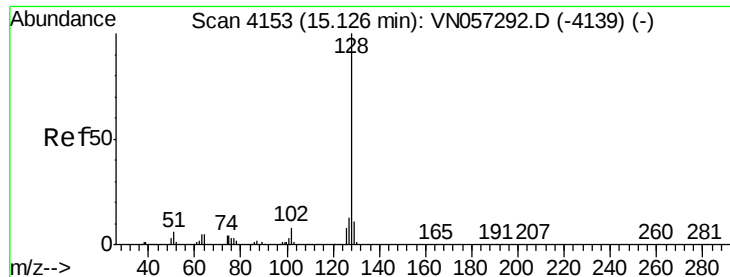
MMDadoda
 8/19/2019 12:19:19 PM



#94
 Hexachlorobutadiene
 Concen: 56.152 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057359.D
 Acq: 16 Aug 2019 17:09

Tgt Ion:	225	Resp:	328511
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.7	92.1
227	64.6	30.9	92.7





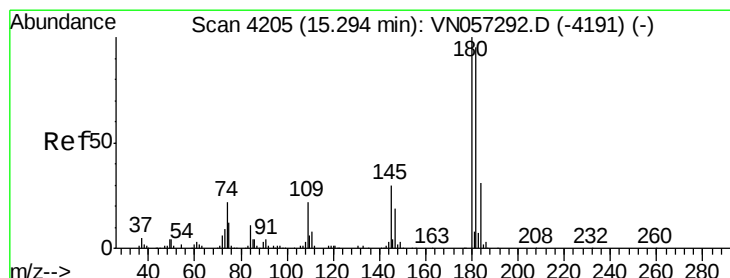
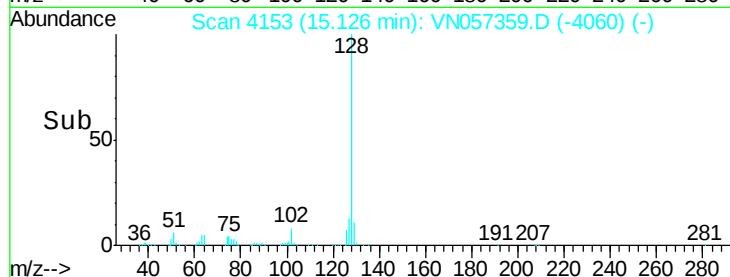
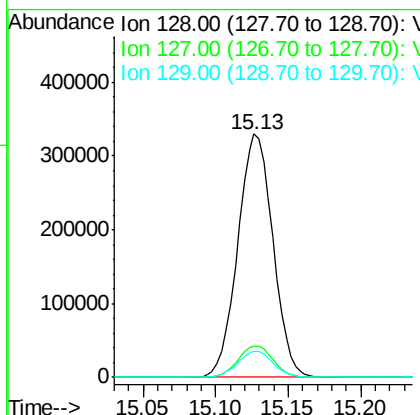
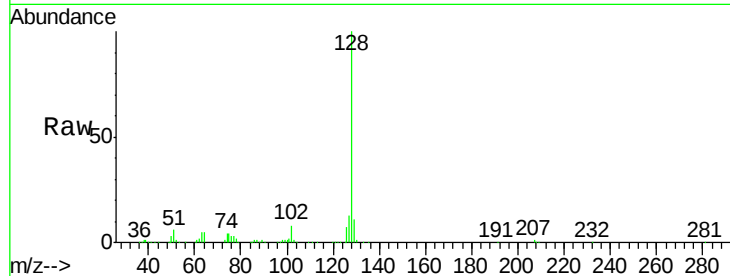
#95
Naphthalene
Concen: 56.232 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:19:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 58.074 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057359.D
Acq: 16 Aug 2019 17:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	29.9	15.1	45.3

