

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058502.D
 Acq On : 3 Oct 2019 12:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:30:04 AM

Quant Time: Oct 04 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	361123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	607079	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	272485	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	219645	41.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.24%	
35) Dibromofluoromethane	7.57	113	160420	43.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.24%	
50) Toluene-d8	10.09	98	614722	42.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.34%	
62) 4-Bromofluorobenzene	12.41	95	228662	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	206942	52.262	ug/l	100
3) Chloromethane	2.03	50	233562	53.653	ug/l	99
4) Vinyl Chloride	2.17	62	226786	53.180	ug/l	100
5) Bromomethane	2.55	94	124600	55.008	ug/l	96
6) Chloroethane	2.68	64	132671	51.923	ug/l	98
7) Trichlorofluoromethane	3.00	101	264667	51.429	ug/l	97
8) Diethyl Ether	3.39	74	116145	52.308	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185643	53.117	ug/l	97
10) Methyl Iodide	3.93	142	203767	52.581	ug/l	100
11) Tert butyl alcohol	4.75	59	151890	259.084	ug/l	98
12) 1,1-Dichloroethene	3.72	96	175029	51.379	ug/l	97
13) Acrolein	3.58	56	63370	339.849	ug/l	99
14) Allyl chloride	4.30	41	332473	53.629	ug/l	99
15) Acrylonitrile	4.95	53	478492	280.047	ug/l	100
16) Acetone	3.79	43	522860	290.646	ug/l	99
17) Carbon Disulfide	4.03	76	458428	51.050	ug/l	98
18) Methyl Acetate	4.29	43	231332	51.128	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	639608	53.212	ug/l	99
20) Methylene Chloride	4.52	84	214548	51.680	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	194694	51.394	ug/l	98
22) Diisopropyl ether	5.92	45	738473	55.354	ug/l	98
23) Vinyl Acetate	5.87	43	3012292	299.455	ug/l	99
24) 1,1-Dichloroethane	5.82	63	415056	55.280	ug/l	99
25) 2-Butanone	6.81	43	693627	280.831	ug/l	100
26) 2,2-Dichloropropane	6.80	77	335670	54.381	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	233010	52.627	ug/l	98
28) Bromochloromethane	7.17	49	142340	47.427	ug/l	96
29) Tetrahydrofuran	7.19	42	421132	268.642	ug/l	100
30) Chloroform	7.35	83	412490	54.215	ug/l	98
31) Cyclohexane	7.63	56	363025	49.706	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	341606	54.675	ug/l	99
36) 1,1-Dichloropropene	7.77	75	305498	52.628	ug/l	99
37) Ethyl Acetate	6.91	43	278979	56.685	ug/l	98
38) Carbon Tetrachloride	7.75	117	288513	55.063	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
 Data File : VN058502.D
 Acq On : 3 Oct 2019 12:15
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 9:30:04 AM

Quant Time: Oct 04 03:36:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	367547	54.220	ug/l	98
40) Benzene	8.02	78	906538	54.330	ug/l	99
41) Methacrylonitrile	7.15	41	124069m	54.797	ug/l	
42) 1,2-Dichloroethane	8.11	62	350090	53.929	ug/l	100
43) Isopropyl Acetate	8.15	43	476204	51.455	ug/l #	90
44) Trichloroethene	8.82	130	216440	52.533	ug/l	96
45) 1,2-Dichloropropane	9.11	63	250264	55.924	ug/l	98
46) Dibromomethane	9.20	93	155189	54.760	ug/l	97
47) Bromodichloromethane	9.39	83	321202	59.820	ug/l	99
48) Methyl methacrylate	9.19	41	233873	55.497	ug/l	100
49) 1,4-Dioxane	9.19	88	72136	1280.177	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1426301	300.030	ug/l	99
52) Toluene	10.15	92	557721	53.103	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	348935	59.705	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	385169	59.372	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	217628	56.908	ug/l	98
56) Ethyl methacrylate	10.43	69	337862	58.224	ug/l	100
57) 1,3-Dichloropropane	10.71	76	391891	57.452	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	669946	289.537	ug/l	98
59) 2-Hexanone	10.75	43	1055218	304.842	ug/l	99
60) Dibromochloromethane	10.90	129	225650	57.059	ug/l	99
61) 1,2-Dibromoethane	11.00	107	220624	56.461	ug/l	100
64) Tetrachloroethene	10.63	164	180408	51.092	ug/l	99
65) Chlorobenzene	11.43	112	597716	54.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	211606	56.850	ug/l	99
67) Ethyl Benzene	11.51	91	1116189	55.780	ug/l	99
68) m/p-Xylenes	11.62	106	812757	107.953	ug/l	97
69) o-Xylene	11.95	106	389356	53.723	ug/l	97
70) Styrene	11.97	104	669798	56.888	ug/l	100
71) Bromoform	12.13	173	145349	56.415	ug/l #	98
73) Isopropylbenzene	12.25	105	1085504	53.905	ug/l	100
74) N-amyl acetate	12.07	43	431553	53.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	321616	54.011	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	278670m	55.992	ug/l	
77) Bromobenzene	12.53	156	244391	51.759	ug/l	97
78) n-propylbenzene	12.60	91	1286842	56.722	ug/l	99
79) 2-Chlorotoluene	12.68	91	752901	53.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	930565	55.204	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	92638	56.531	ug/l	97
82) 4-Chlorotoluene	12.78	91	784843	54.927	ug/l	100
83) tert-Butylbenzene	13.00	119	771119	54.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	941565	55.750	ug/l	100
85) sec-Butylbenzene	13.18	105	1072467	57.284	ug/l	100
86) p-Isopropyltoluene	13.30	119	973712	59.085	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	460785	53.819	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	451491	53.002	ug/l	99
89) n-Butylbenzene	13.62	91	899099	60.229	ug/l	100
90) Hexachloroethane	13.88	117	155311	62.725	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	444813	54.071	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	58989	56.176	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100319\
Data File : VN058502.D
Acq On : 3 Oct 2019 12:15
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

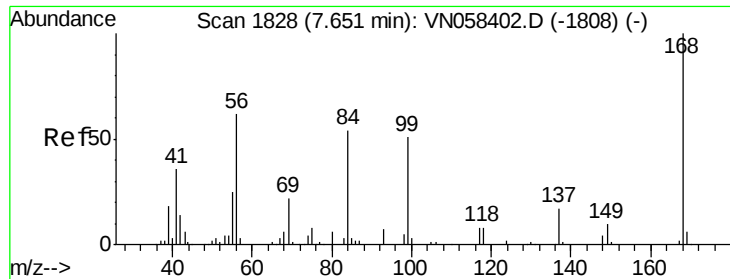
Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM

Quant Time: Oct 04 03:36:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	269838	59.359	ug/l	99
94) Hexachlorobutadiene	15.02	225	137009	58.638	ug/l	99
95) Naphthalene	15.13	128	716322	53.809	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	259891	57.028	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 361123

Ion Ratio Lower Upper

168 100

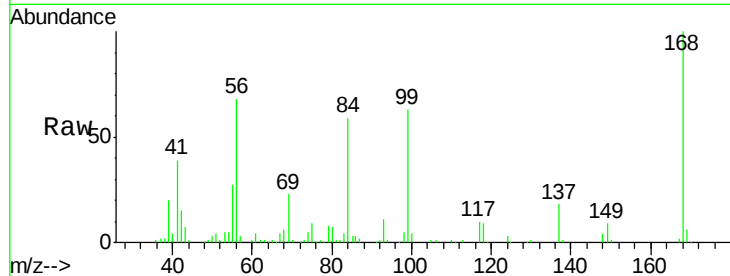
99 62.8 47.7 71.5

Manual Integrations

APPROVED

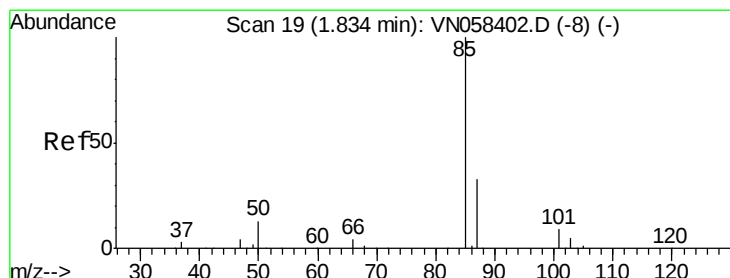
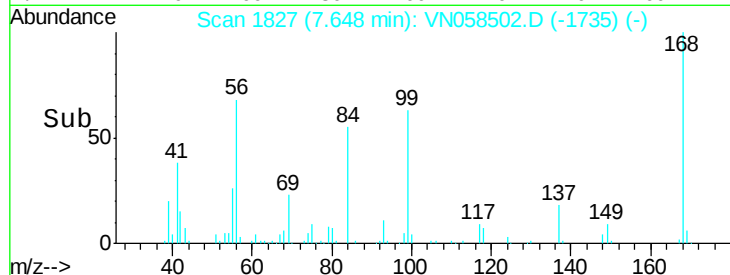
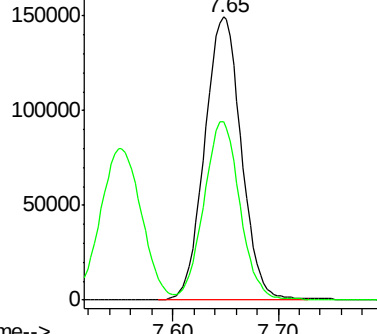
MMDadoda

10/4/2019 9:30:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 52.262 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058502.D

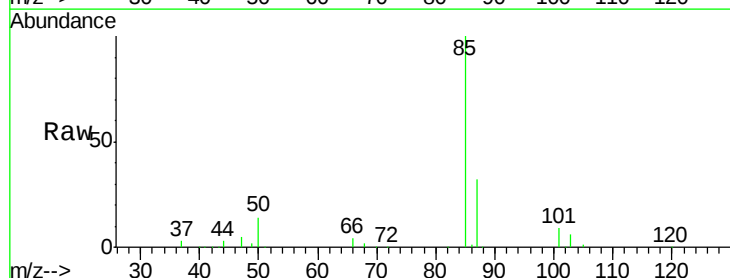
Acq: 3 Oct 2019 12:15

Tgt Ion: 85 Resp: 206942

Ion Ratio Lower Upper

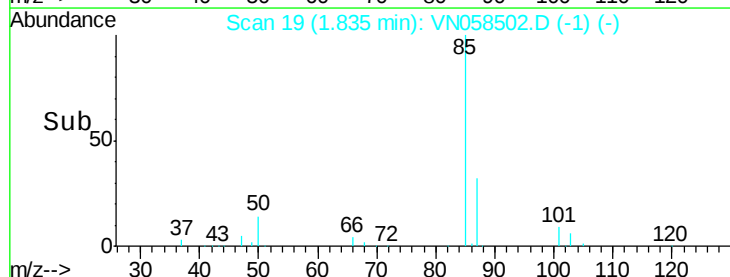
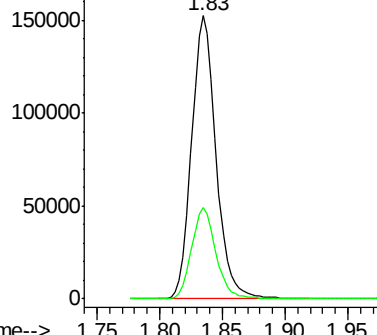
85 100

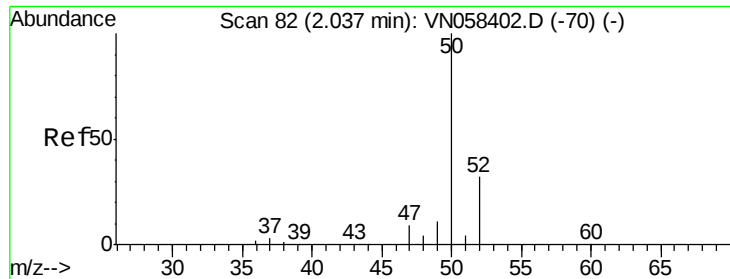
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 53.653 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tot Ion: 50 Resp: 233562

Ion Ratio Lower Upper

50 100

52 32.1 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

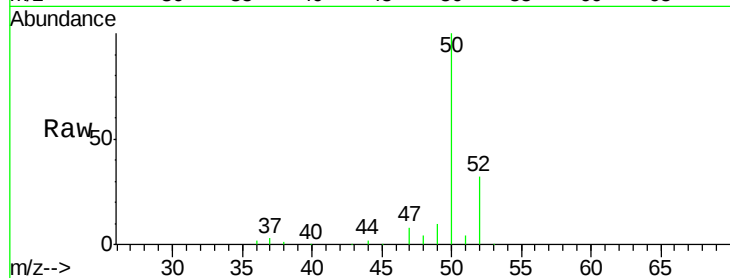
VSTDCCC050

Manual Integrations

APPROVED

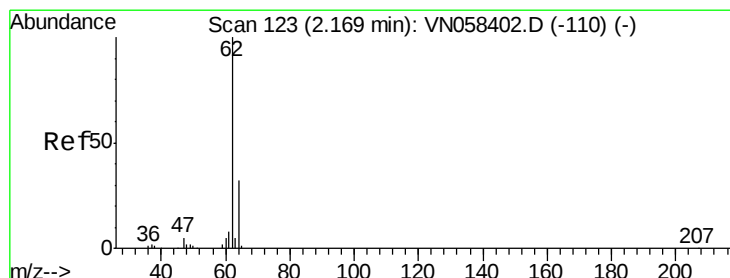
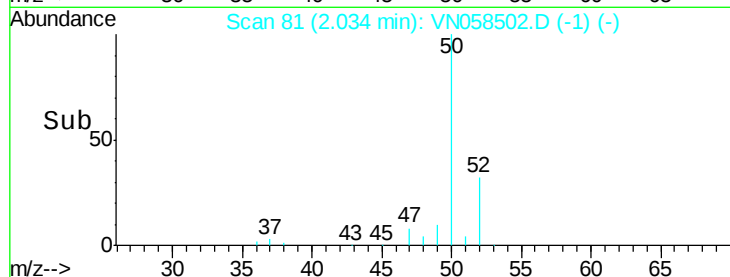
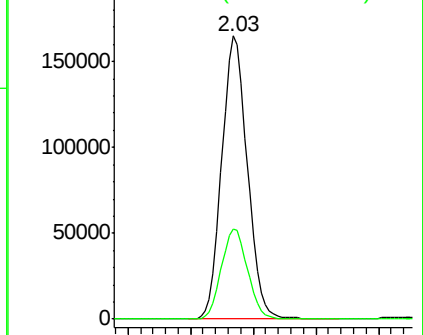
MMDadoda

10/4/2019 9:30:04 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.180 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058502.D

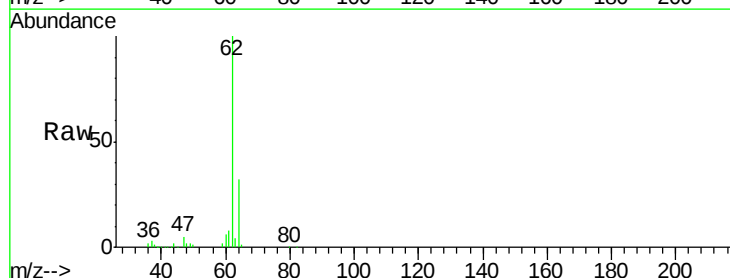
Acq: 3 Oct 2019 12:15

Tgt Ion: 62 Resp: 226786

Ion Ratio Lower Upper

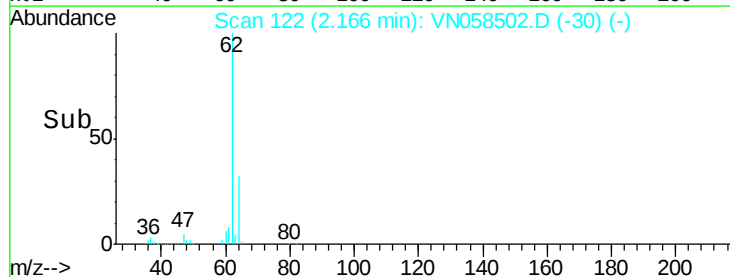
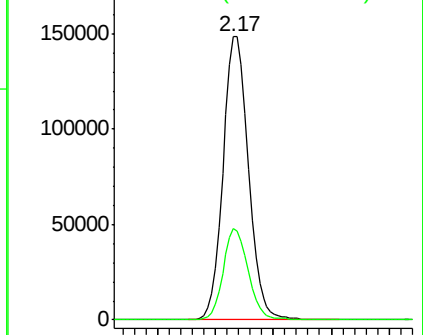
62 100

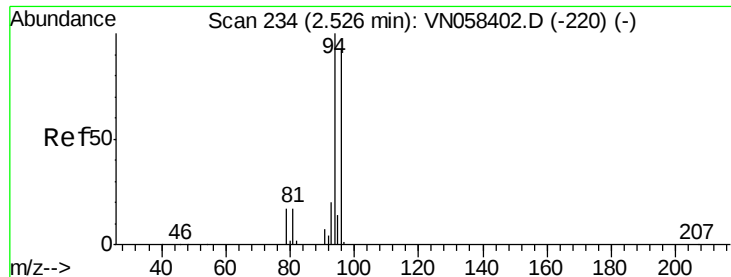
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 55.008 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 124600

Ion Ratio Lower Upper

94 100

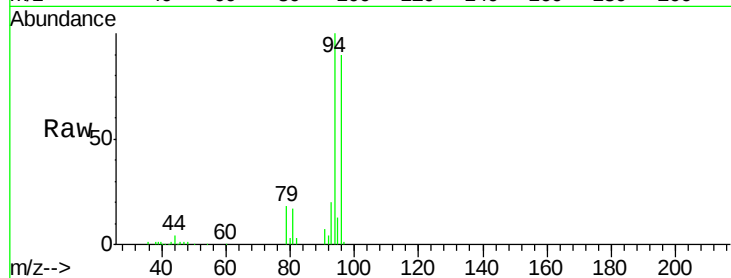
96 89.6 74.8 112.2

Manual Integrations

APPROVED

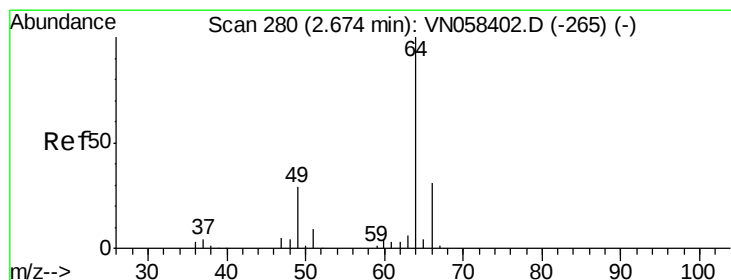
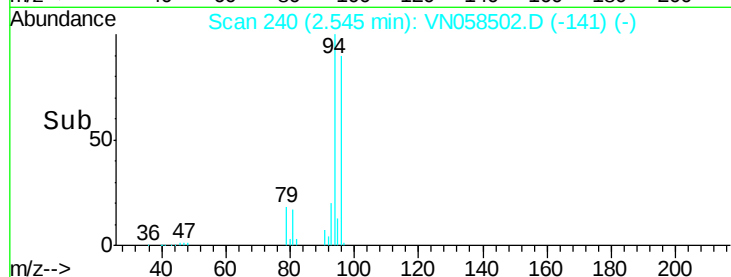
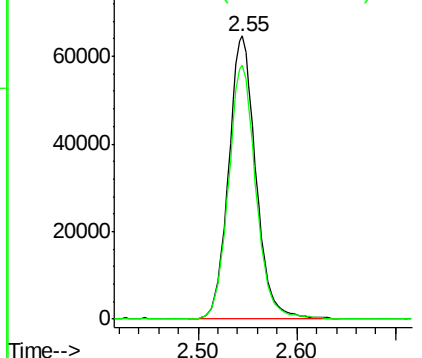
MMDadoda

10/4/2019 9:30:04 AM



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.923 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058502.D

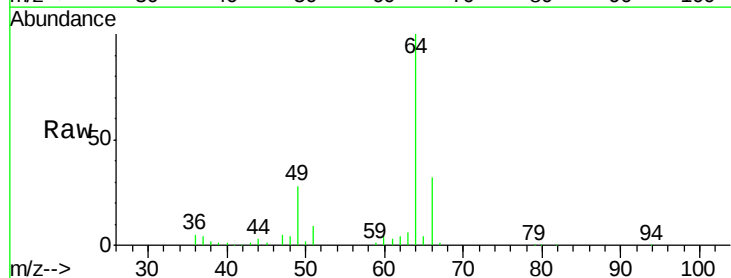
Acq: 3 Oct 2019 12:15

Tgt Ion: 64 Resp: 132671

Ion Ratio Lower Upper

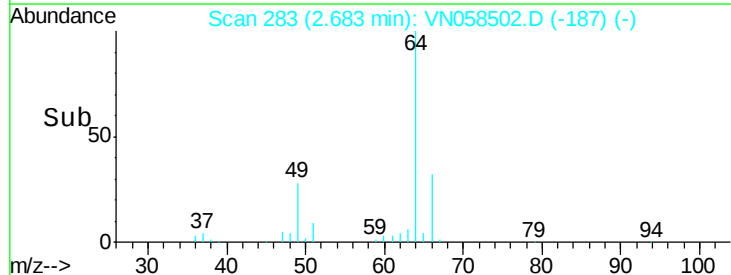
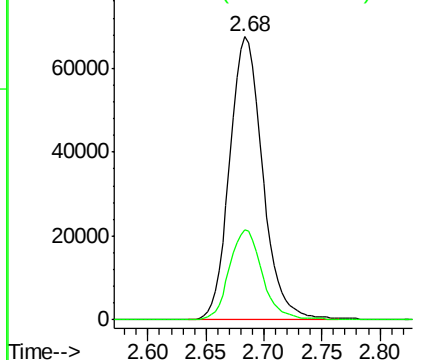
64 100

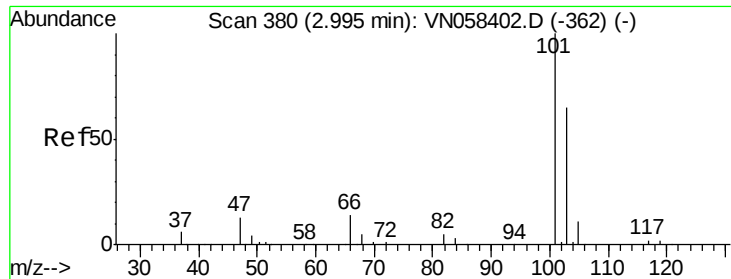
66 31.9 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

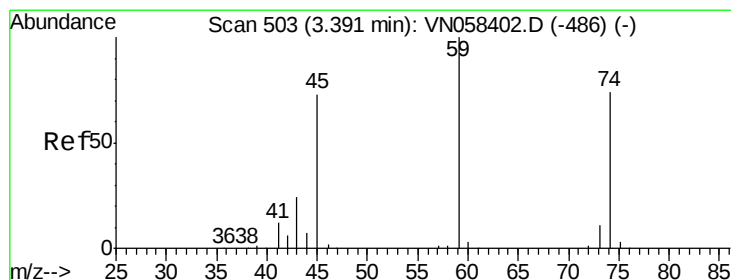
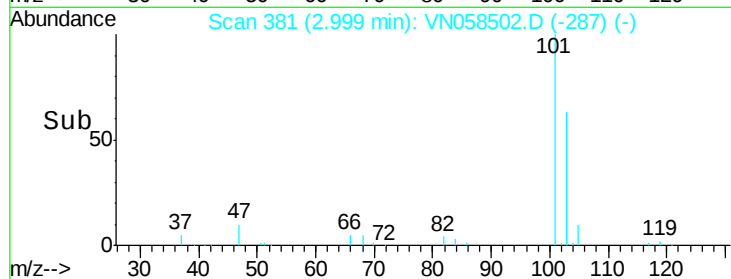
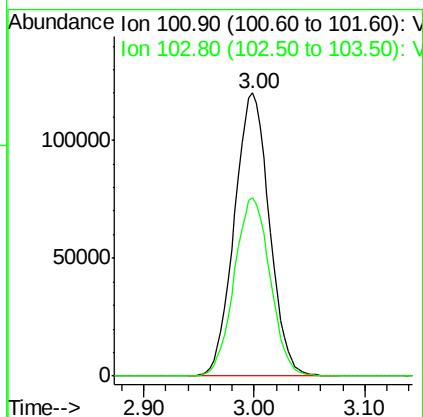
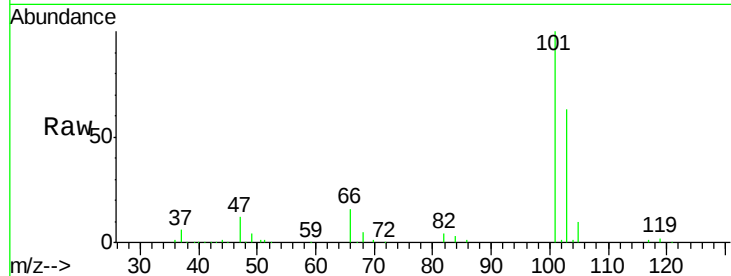
Trichlorofluoromethane
Concen: 51.429 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

Manual Integrations
APPROVED

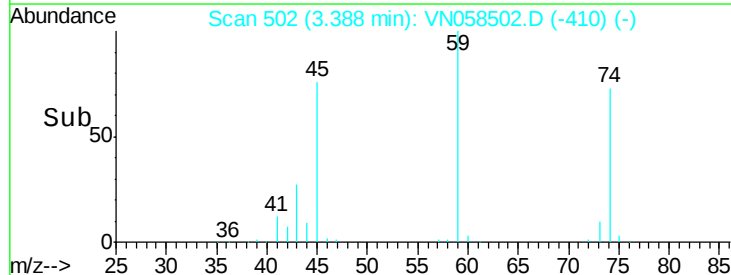
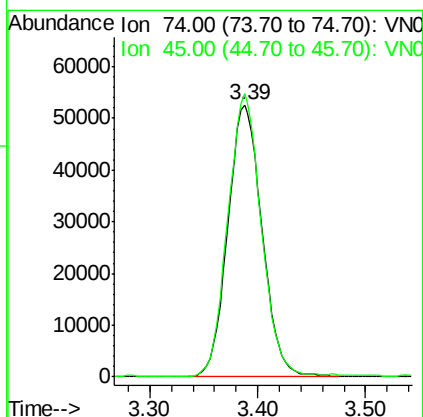
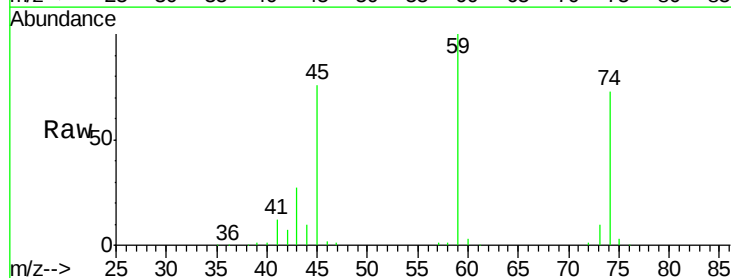
MMDadoda
10/4/2019 9:30:04 AM

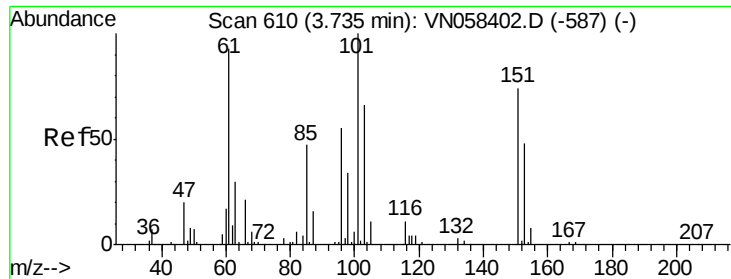


#8

Diethyl Ether
Concen: 52.308 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.117 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

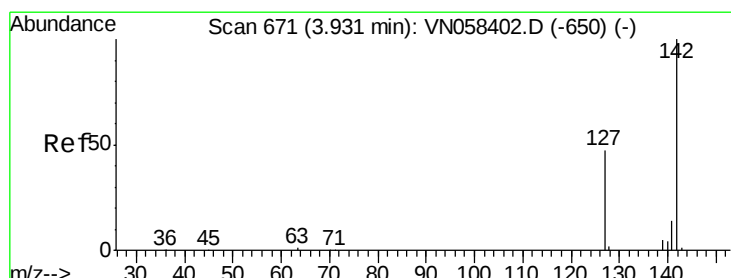
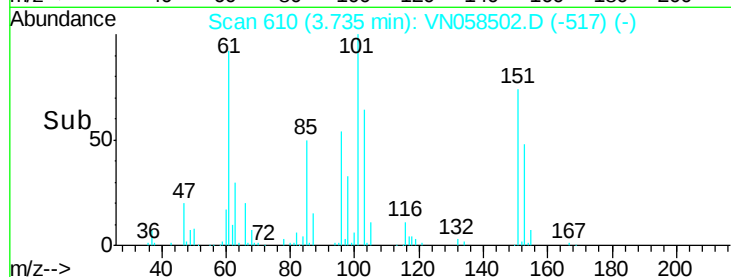
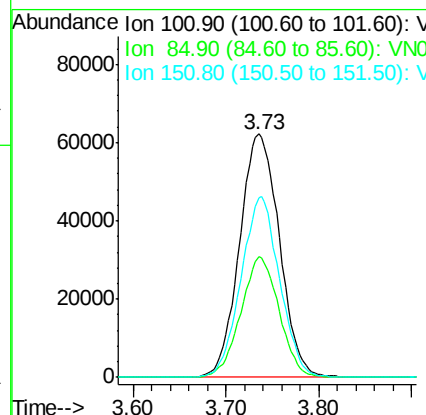
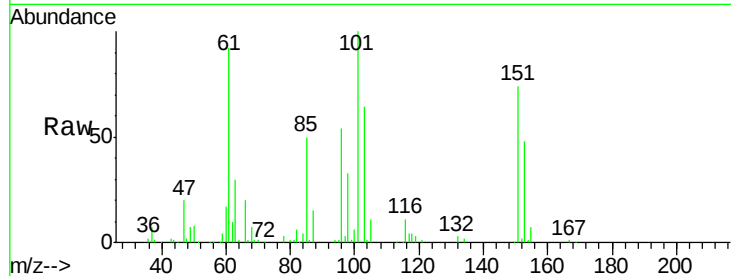
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	185643
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.7	55.1
151	71.8	59.4	89.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#10

Methyl Iodide

Concen: 52.581 ug/l

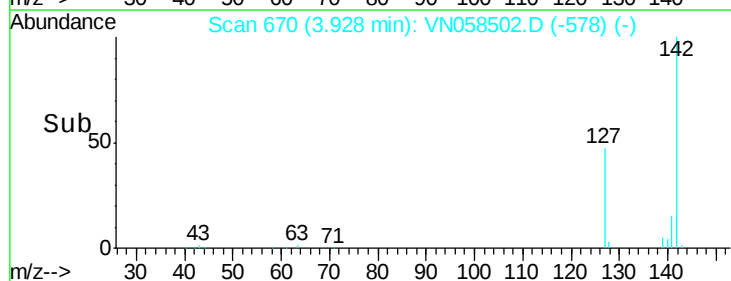
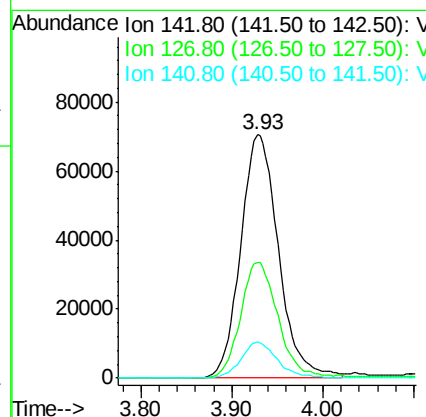
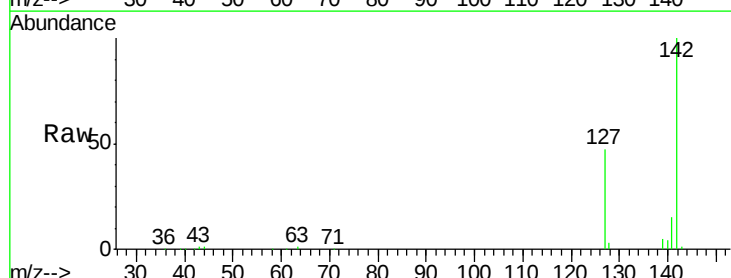
RT: 3.93 min Scan# 670

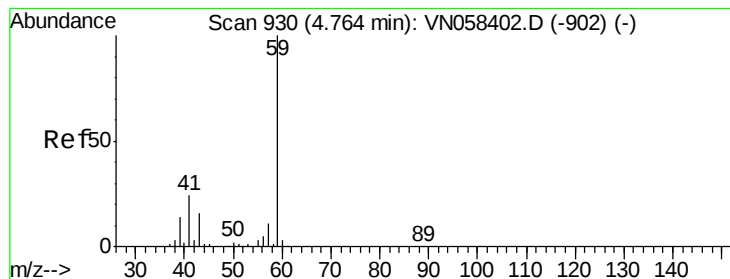
Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	142	Resp:	203767
Ion Ratio	Lower	Upper	
142	100		
127	46.8	37.2	55.8
141	14.3	11.3	16.9





#11

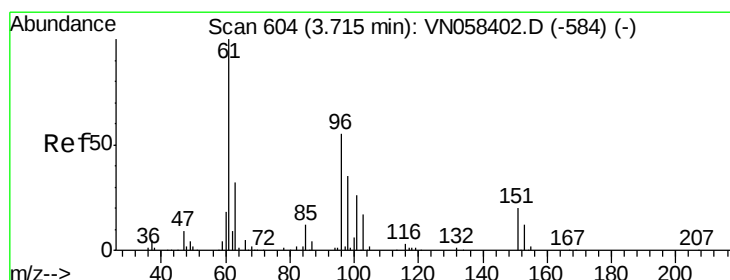
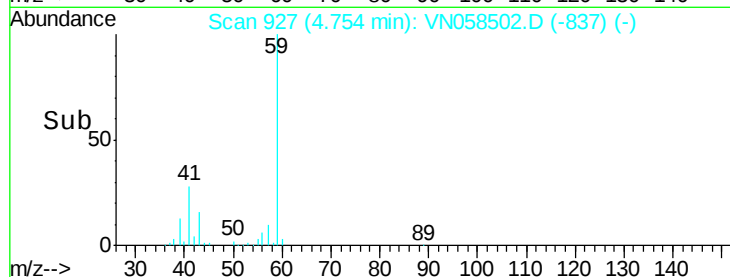
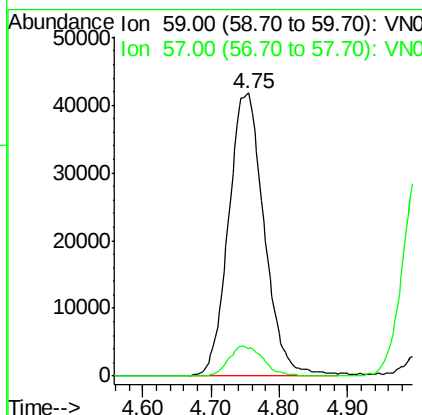
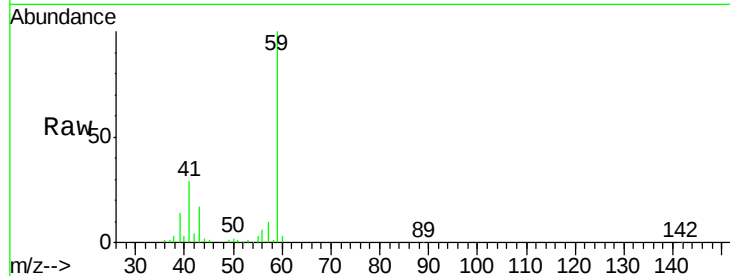
Tert butyl alcohol
Concen: 259.084 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.3	Resp	151890	Lower	9.0	Upper	13.4
Ion	59	57	Ratio	100	10.3	Resp	151890	Lower	9.0	Upper	13.4

Manual Integrations
APPROVED

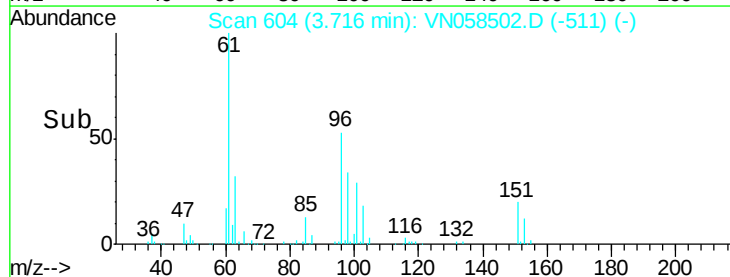
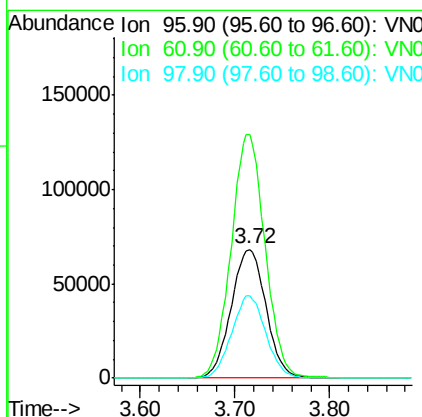
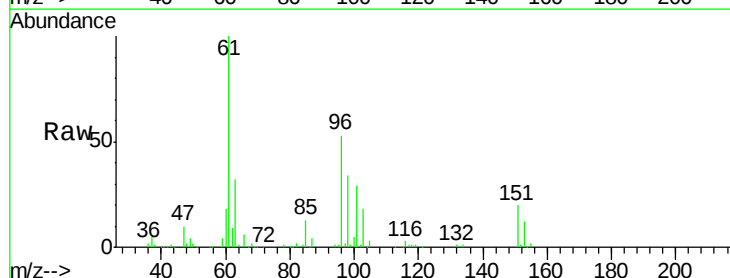
MMDadoda
10/4/2019 9:30:04 AM

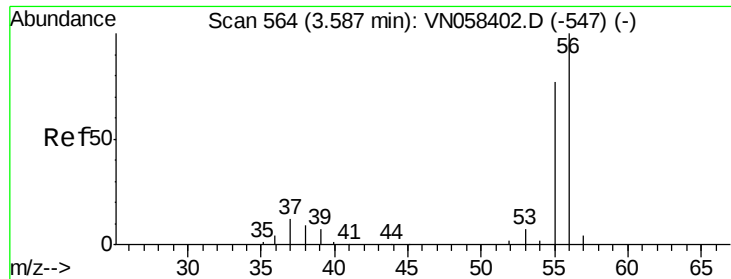


#12

1,1-Dichloroethene
Concen: 51.379 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	96	61	98	Ratio	100	188.7	63.5	Resp	175029	Lower	146.7	51.3	Upper	220.1	76.9
Ion	96	61	98	Ratio	100	188.7	63.5	Resp	175029	Lower	146.7	51.3	Upper	220.1	76.9





#13

Acrolein

Concen: 339.849 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 63370

Ion Ratio Lower Upper

56 100

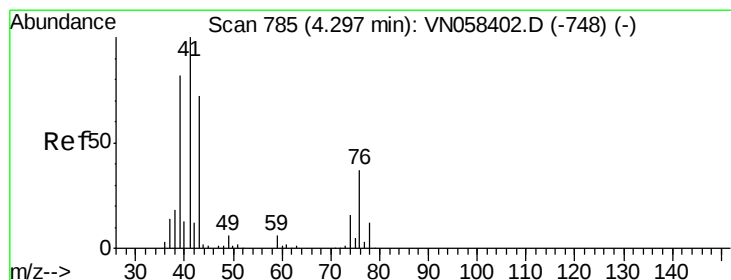
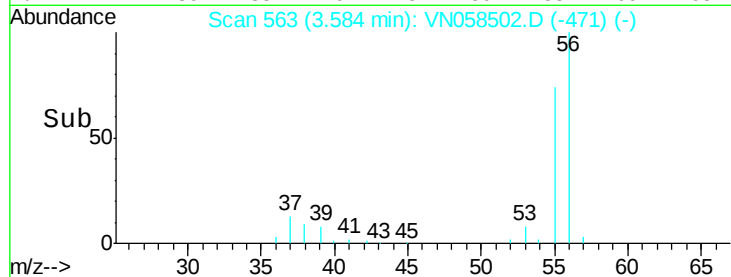
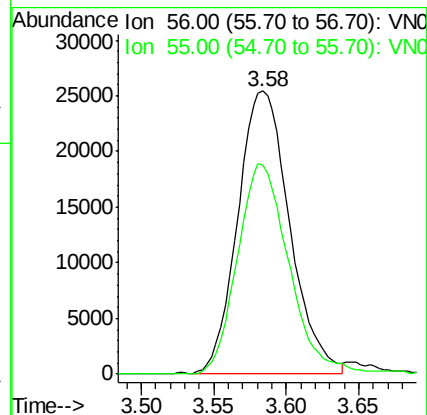
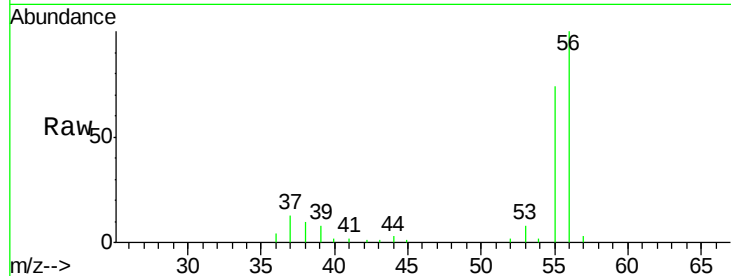
55 74.1 58.3 87.5

Manual Integrations

APPROVED

MMDadoda

10/4/2019 9:30:04 AM



#14

Allyl chloride

Concen: 53.629 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

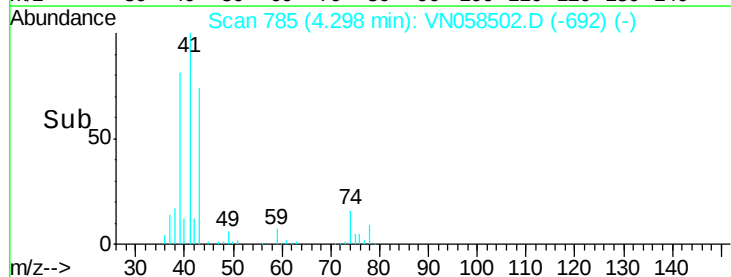
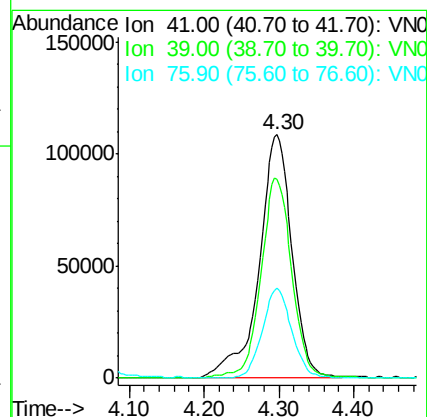
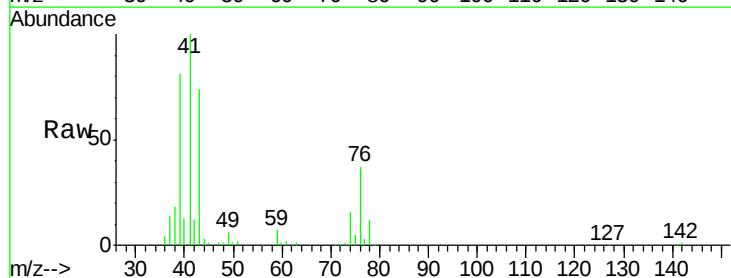
Tgt Ion: 41 Resp: 332473

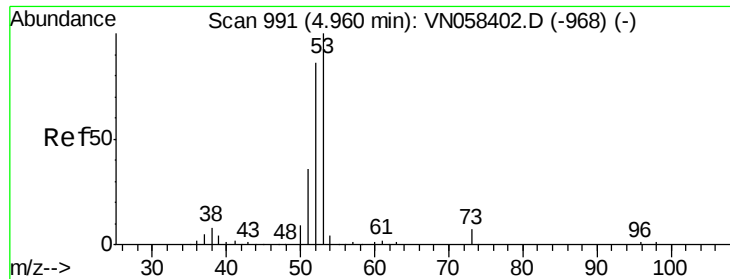
Ion Ratio Lower Upper

41 100

39 76.8 62.3 93.5

76 33.0 26.9 40.3





#15

Acrylonitrile

Concen: 280.047 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

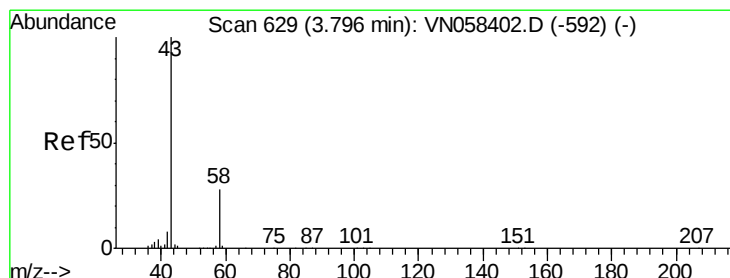
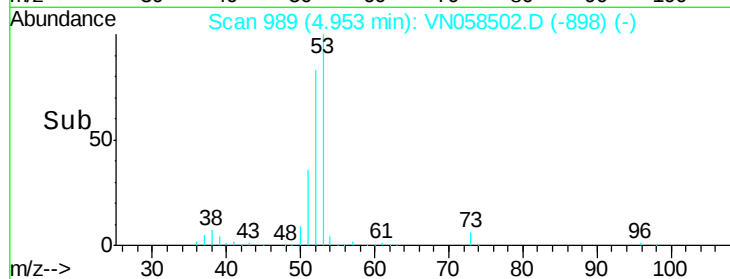
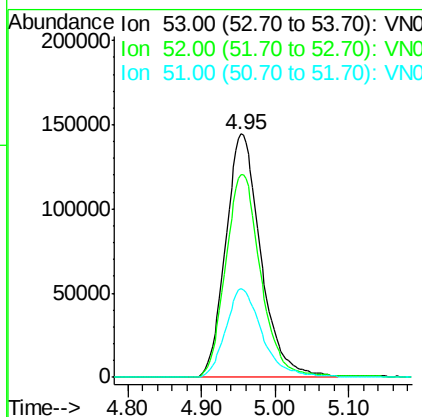
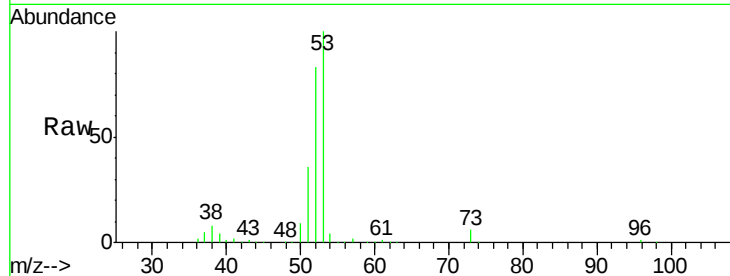
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	478492
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.9	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#16

Acetone

Concen: 290.646 ug/l

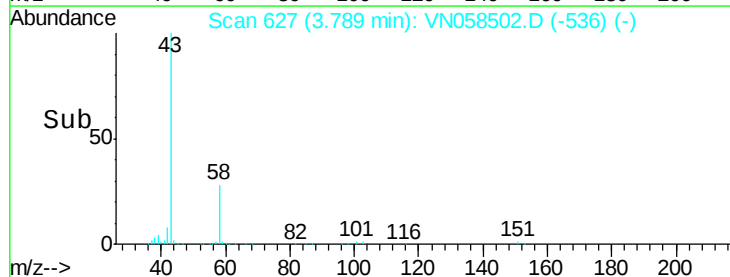
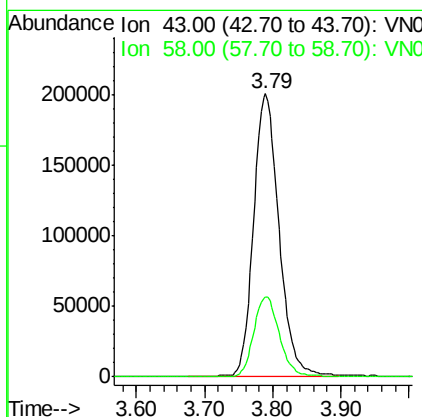
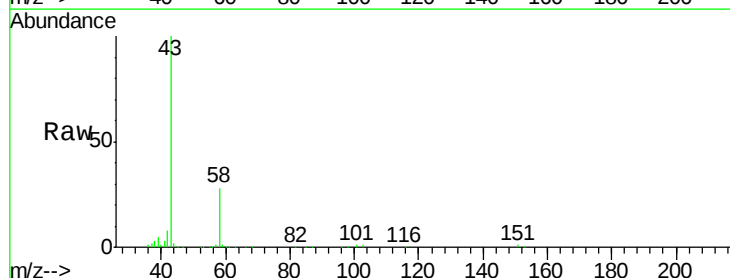
RT: 3.79 min Scan# 627

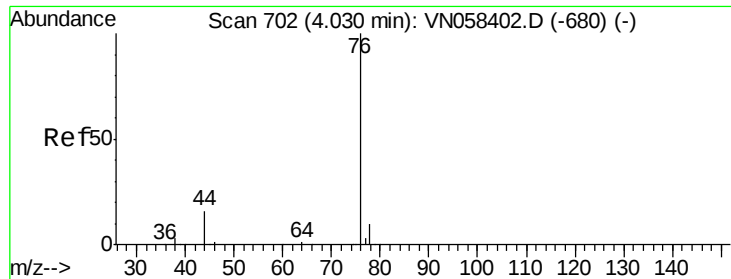
Delta R.T. -0.01 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	43	Resp:	522860
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.4	33.6





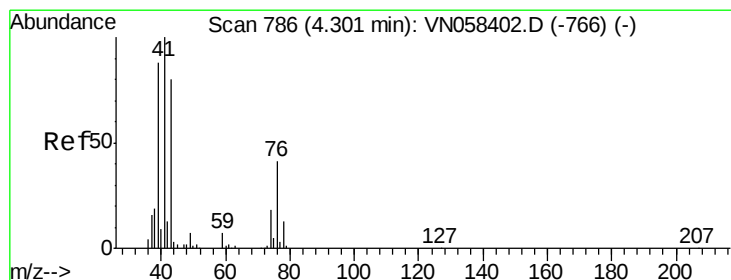
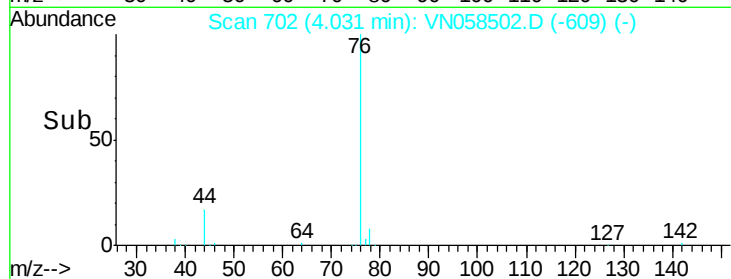
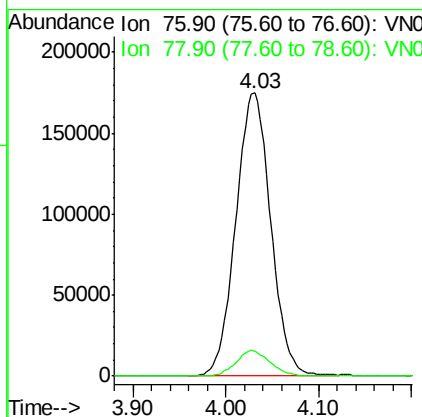
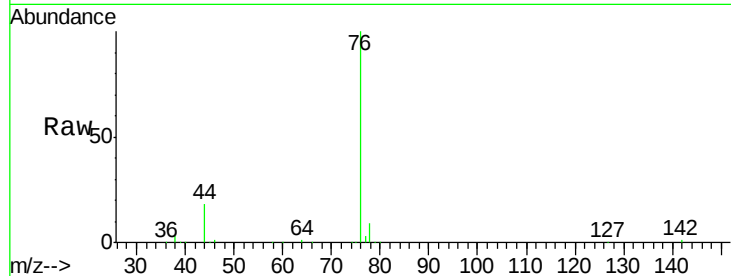
#17
Carbon Disulfide
Concen: 51.050 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.7	11.5

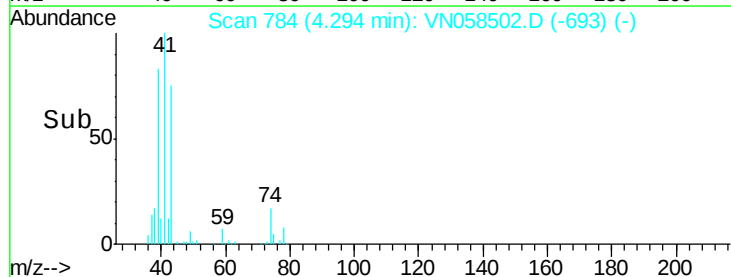
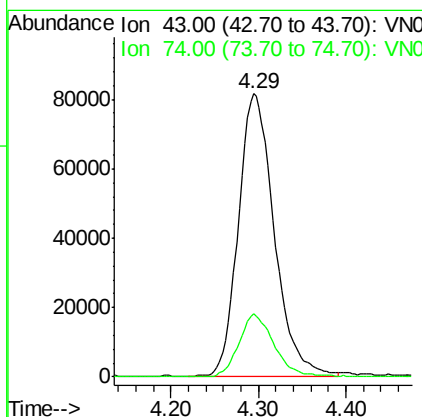
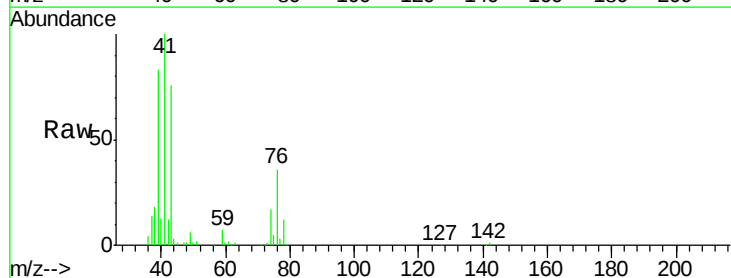
Manual Integrations
APPROVED

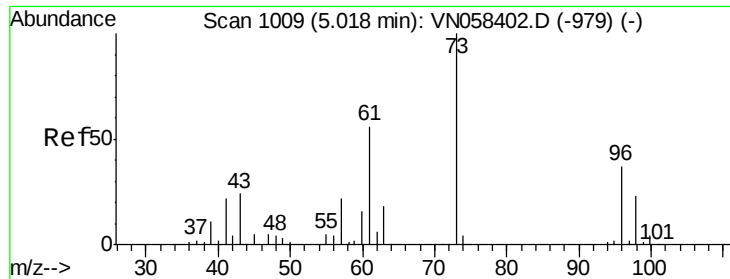
MMDadoda
10/4/2019 9:30:04 AM



#18
Methyl Acetate
Concen: 51.128 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.01 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.0	27.0





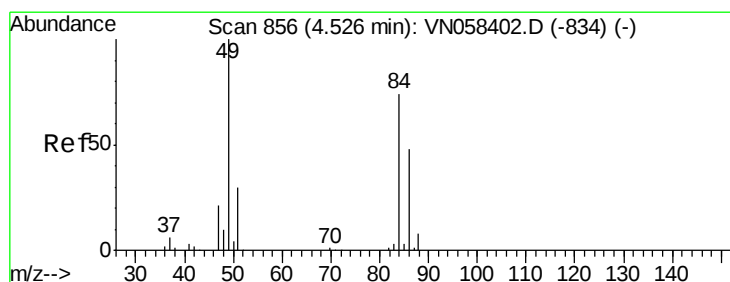
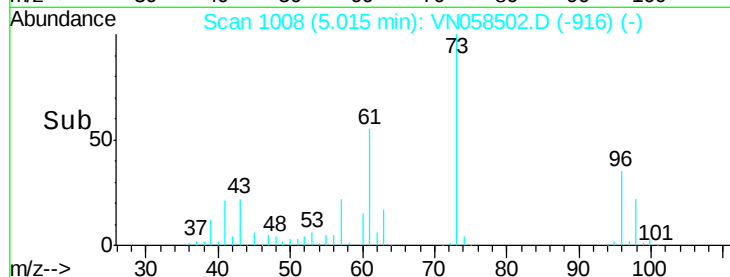
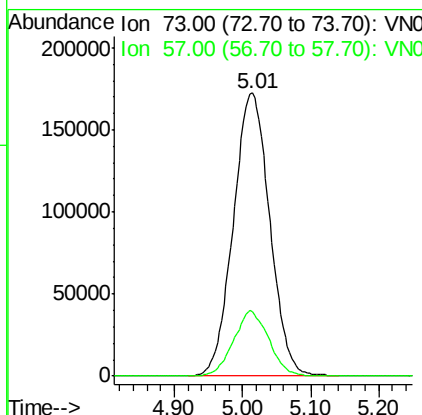
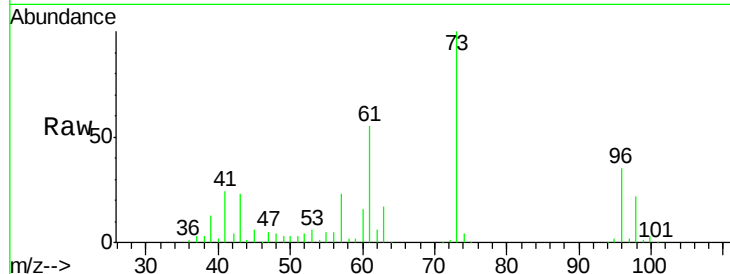
#19
Methvl tert-butvl Ether
Concen: 53.212 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 639608
Ion Ratio Lower Upper
73 100
57 22.6 17.6 26.4

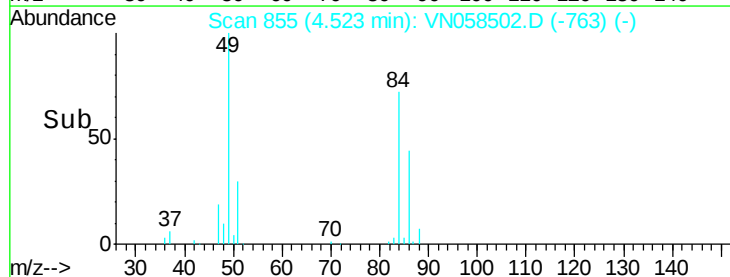
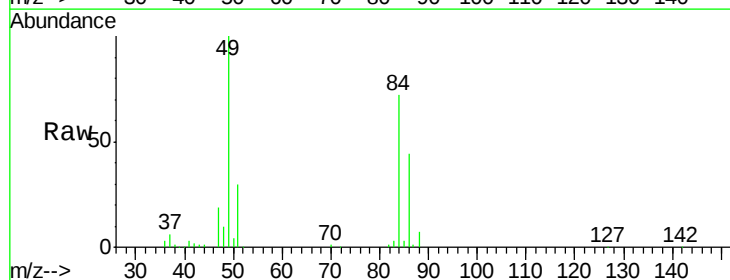
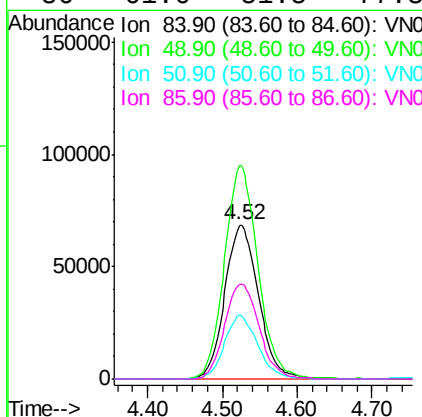
Manual Integrations
APPROVED

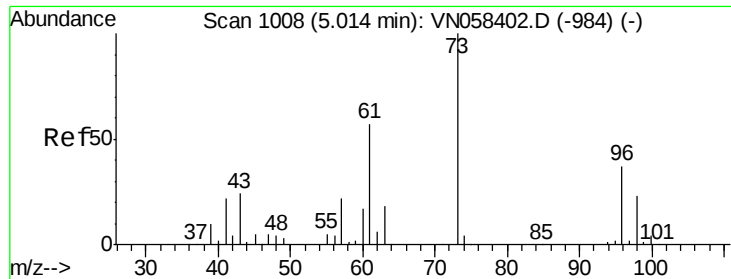
MMDadoda
10/4/2019 9:30:04 AM



#20
Methylene Chloride
Concen: 51.680 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion: 84 Resp: 214548
Ion Ratio Lower Upper
84 100
49 138.5 107.9 161.9
51 41.8 32.8 49.2
86 61.6 51.5 77.3





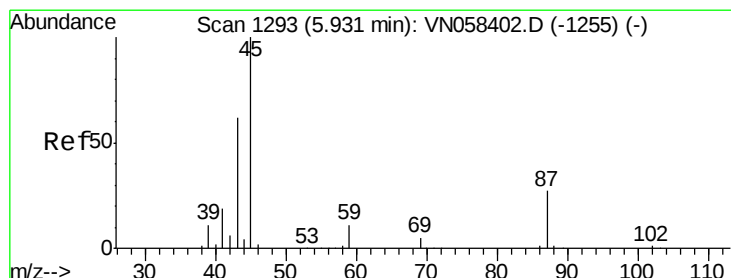
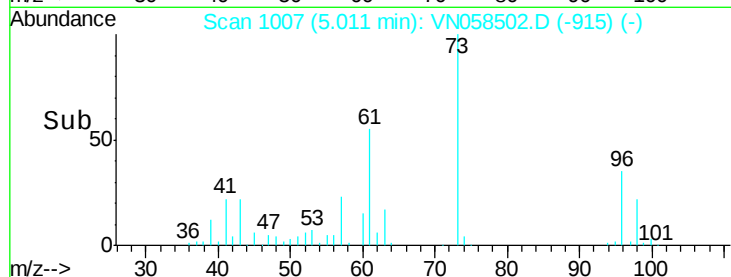
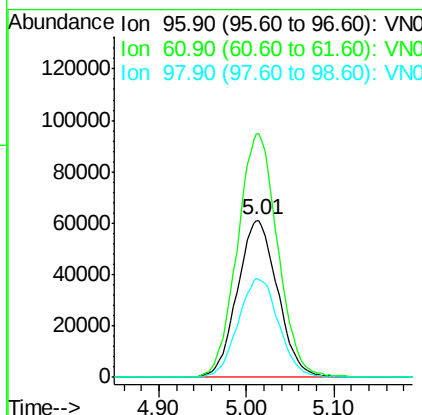
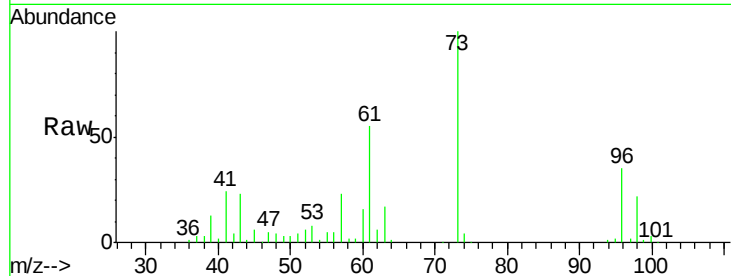
#21
trans-1,2-Dichloroethene
Concen: 51.394 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	121.9	182.9
98	62.9	49.3	73.9

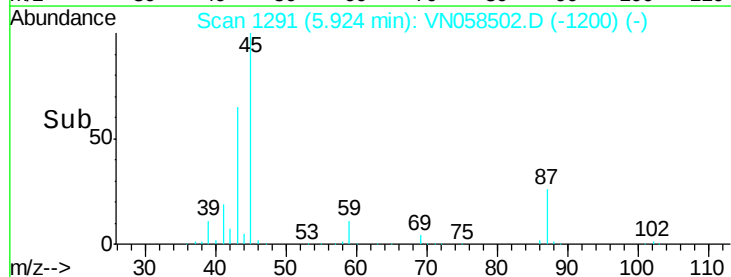
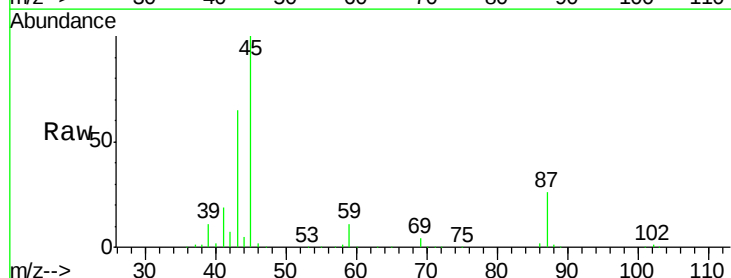
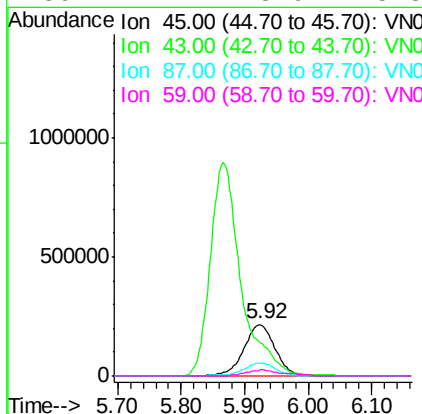
Manual Integrations
APPROVED

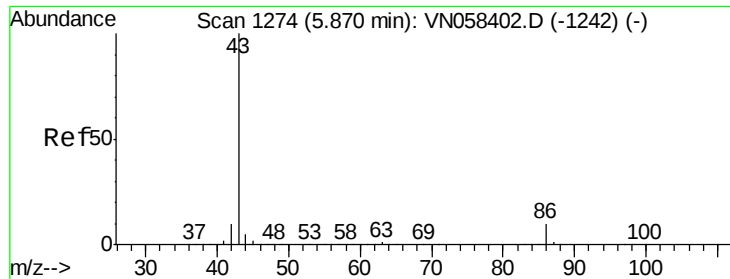
MMDadoda
10/4/2019 9:30:04 AM



#22
Diisopropyl ether
Concen: 55.354 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	49.7	74.5
87	25.9	21.5	32.3
59	11.1	8.9	13.3





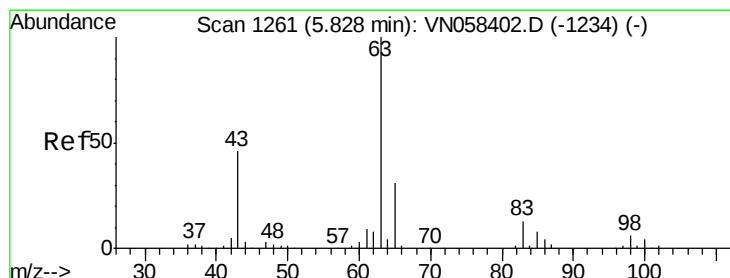
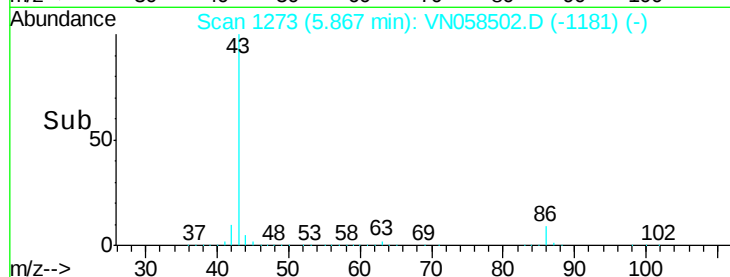
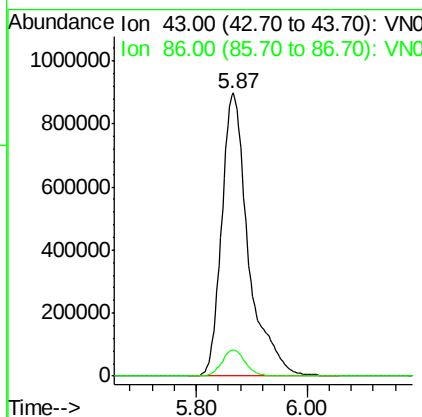
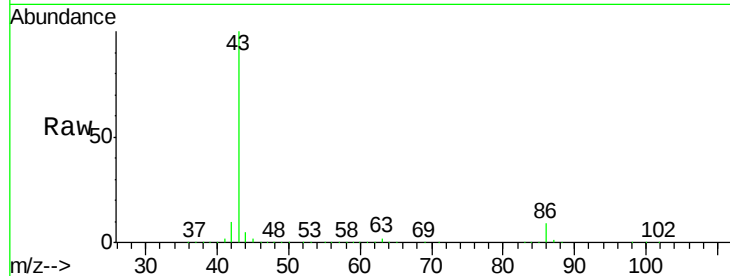
#23
 Vinyl Acetate
 Concen: 299.455 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 3012292
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.7 11.5

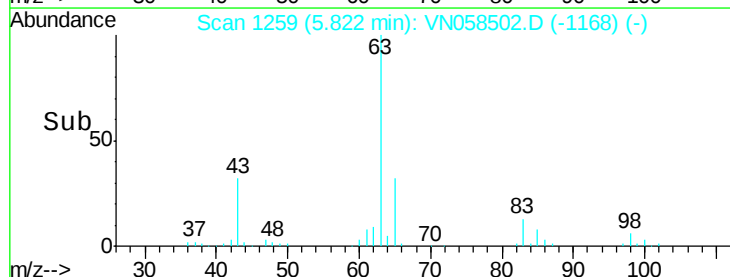
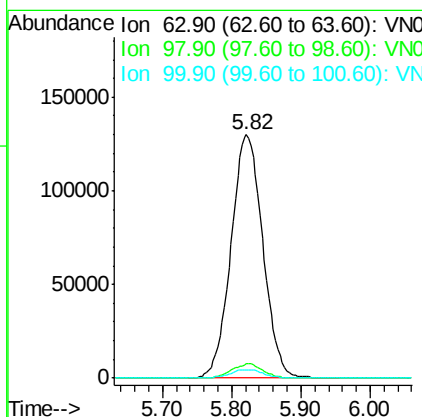
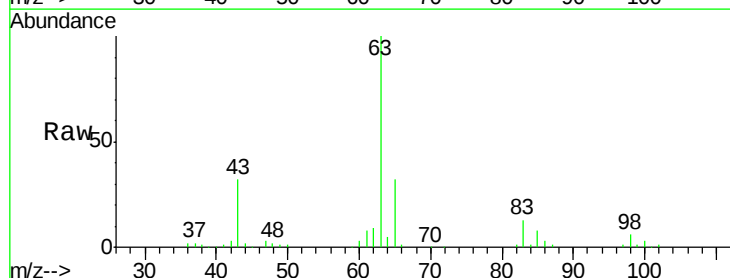
Manual Integrations
 APPROVED

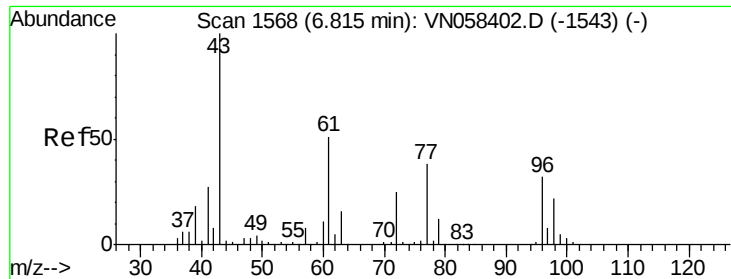
MMDadoda
 10/4/2019 9:30:04 AM



#24
 1,1-Dichloroethane
 Concen: 55.280 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion: 63 Resp: 415056
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.5 2.0 5.8





#25

2-Butanone

Concen: 280.831 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 693627

Ion Ratio Lower Upper

43 100

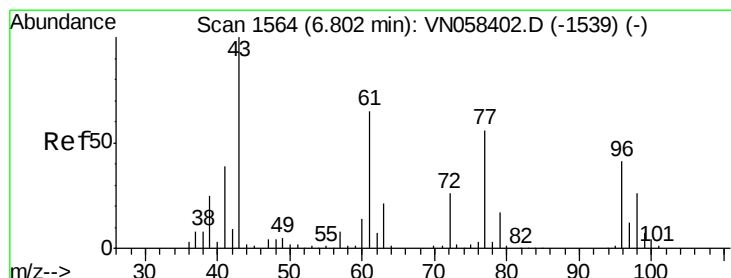
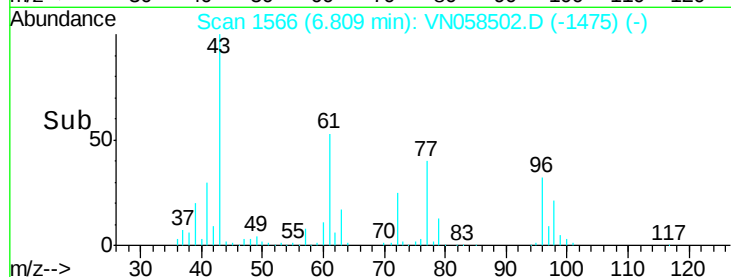
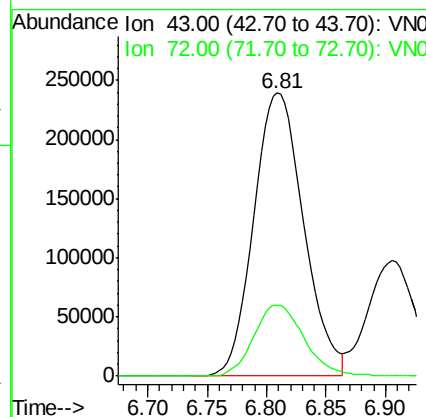
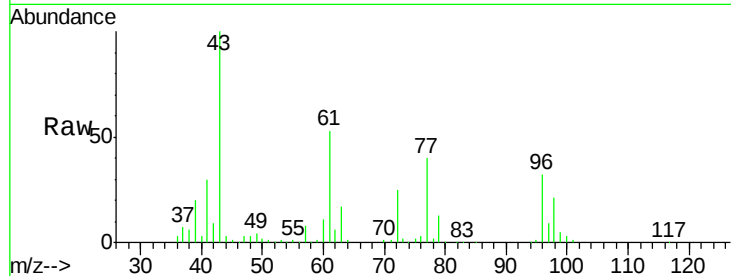
72 25.3 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

10/4/2019 9:30:04 AM



#26

2,2-Dichloropropane

Concen: 54.381 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058502.D

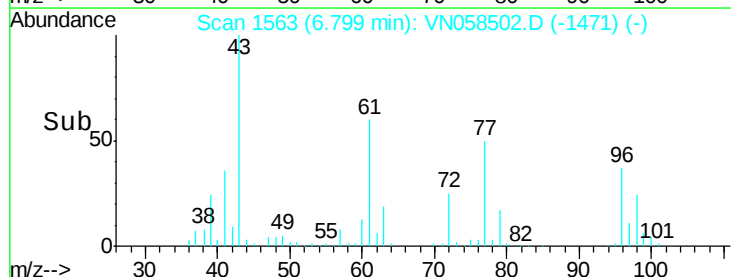
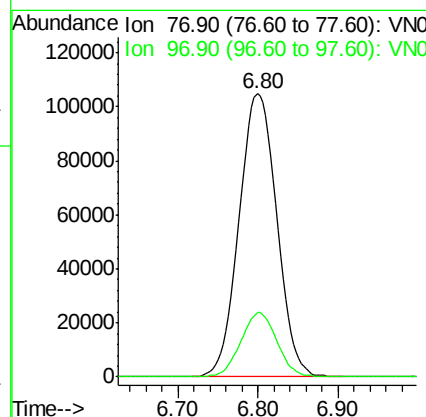
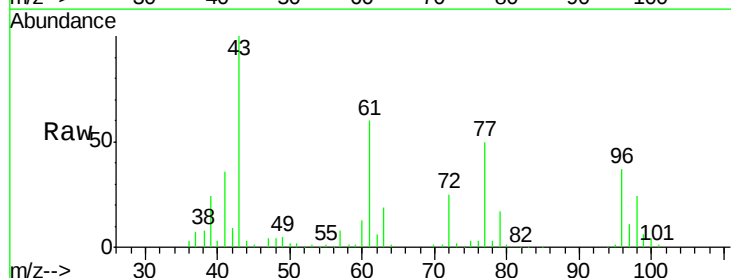
Acq: 3 Oct 2019 12:15

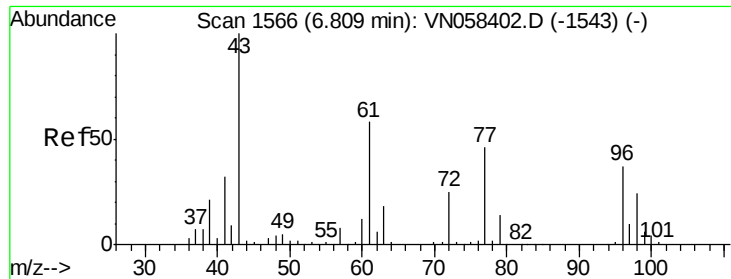
Tgt Ion: 77 Resp: 335670

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 52.627 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

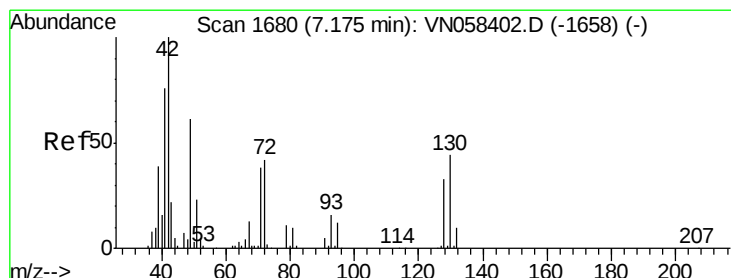
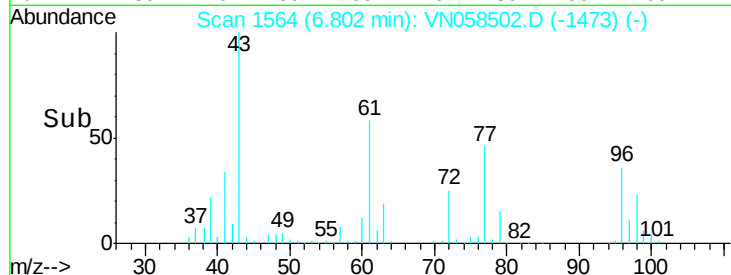
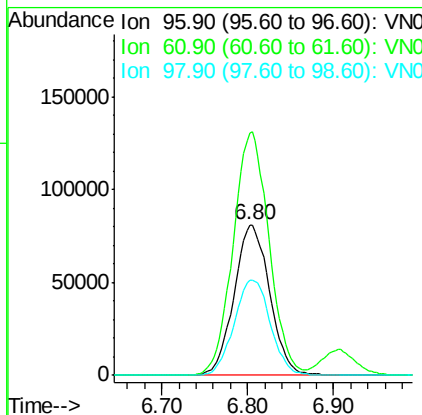
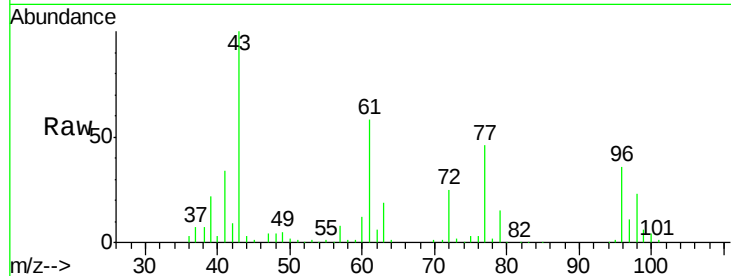
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	233010
Ion Ratio	Lower	Upper	
96	100		
61	163.1	0.0	318.8
98	64.8	0.0	129.8

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#28

Bromochloromethane

Concen: 47.427 ug/l

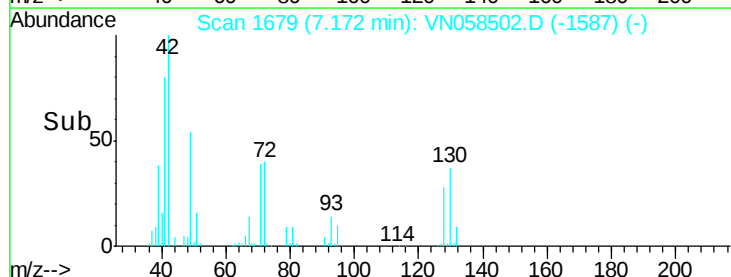
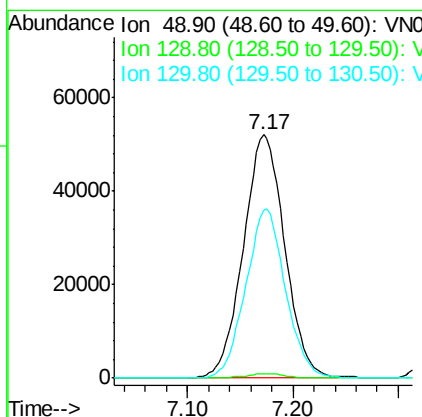
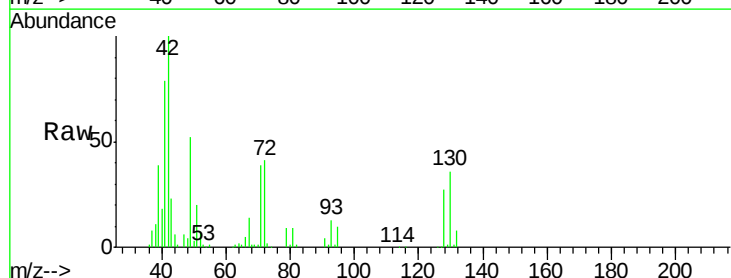
RT: 7.17 min Scan# 1679

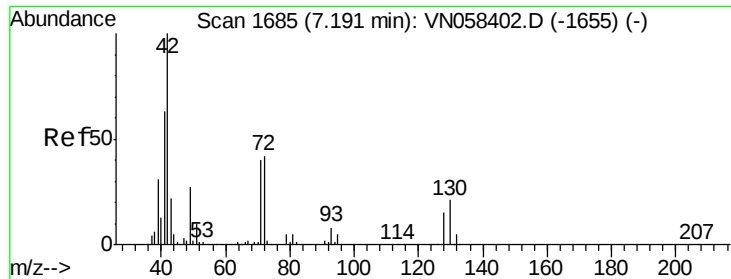
Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	49	Resp:	142340
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.4
130	66.7	56.3	84.5





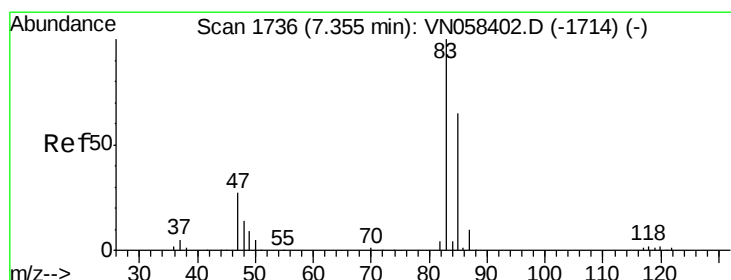
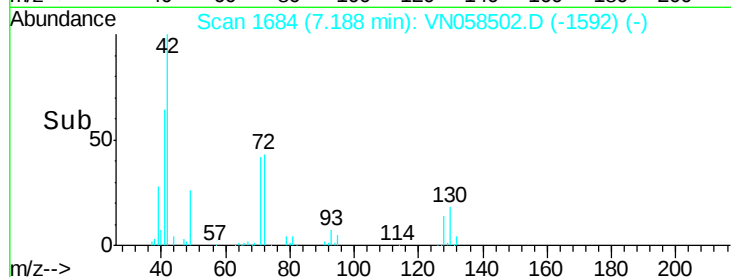
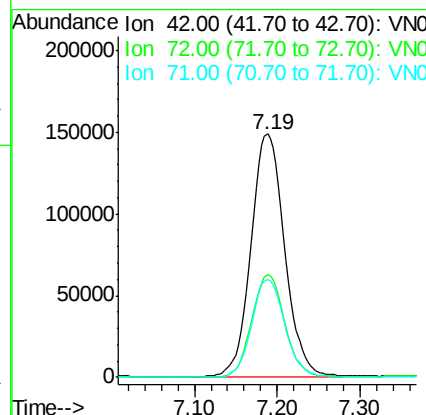
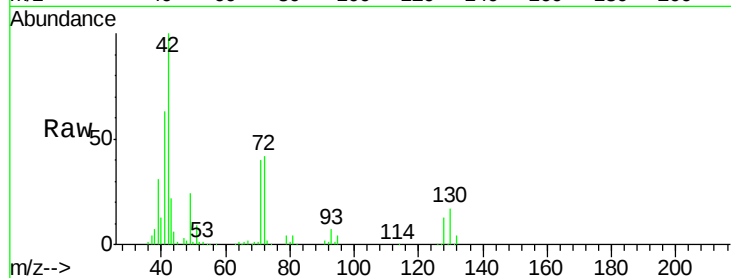
#29
Tetrahydrofuran
Concen: 268.642 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	39.7	31.8	47.6

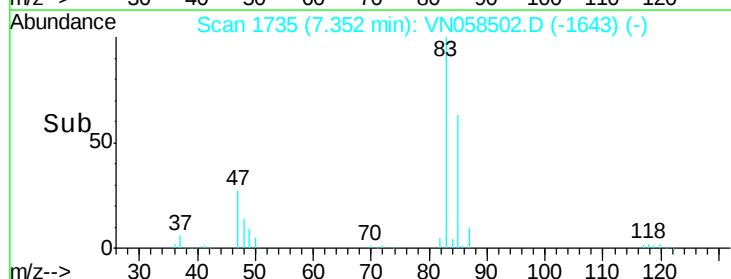
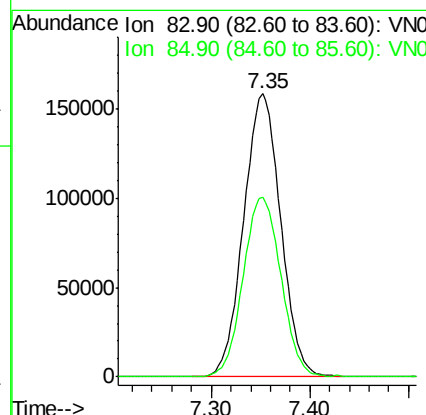
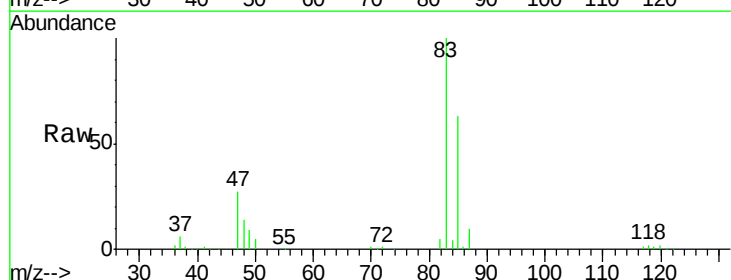
Manual Integrations
APPROVED

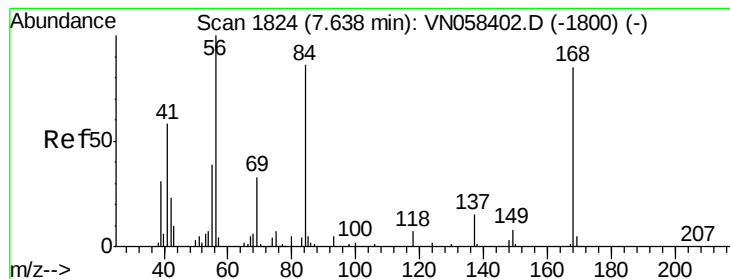
MMDadoda
10/4/2019 9:30:04 AM



#30
Chloroform
Concen: 54.215 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0





#31

Cyclohexane

Concen: 49.706 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

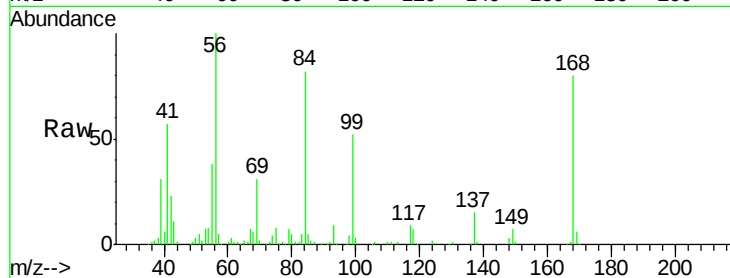
ClientSampleId :

VSTDCCC050

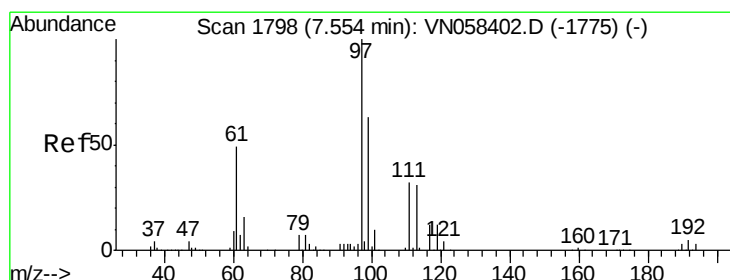
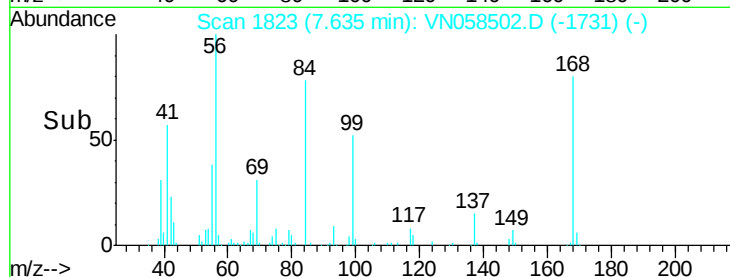
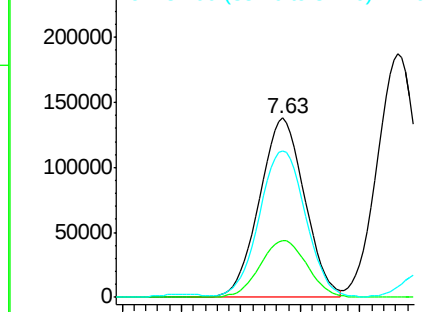
Tot Ion:	56	Resp:	363025
Ion Ratio	Lower	Upper	
56	100		
69	31.5	26.2	39.4
84	80.2	67.6	101.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 54.675 ug/l

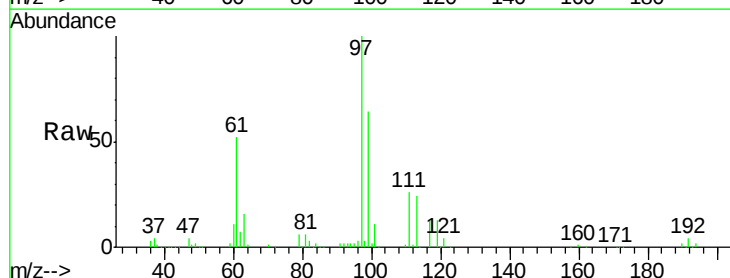
RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

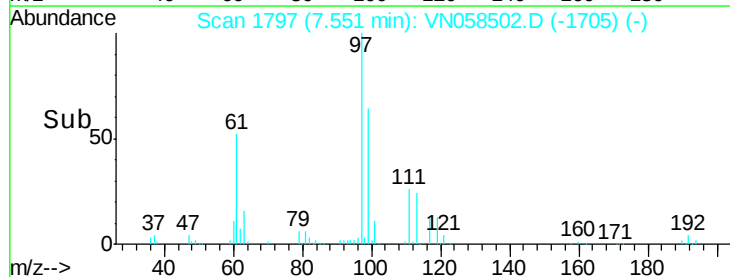
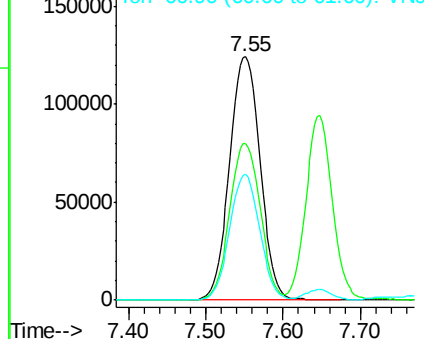
Lab File: VN058502.D

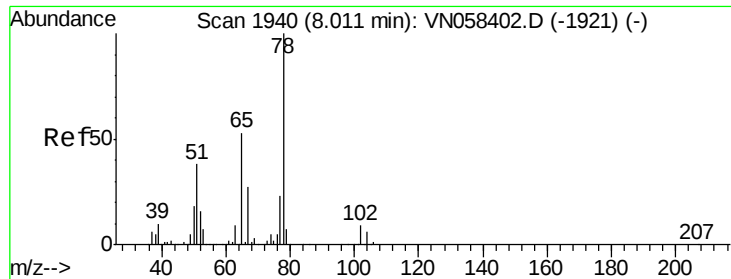
Acq: 3 Oct 2019 12:15

Tgt Ion:	97	Resp:	341606
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.1	76.7
61	50.7	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





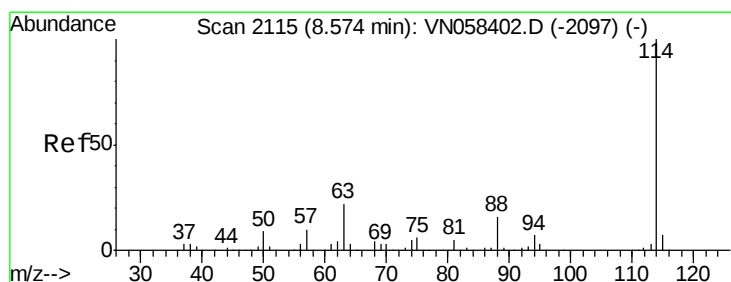
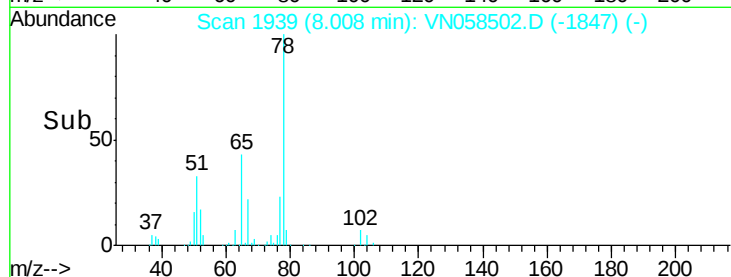
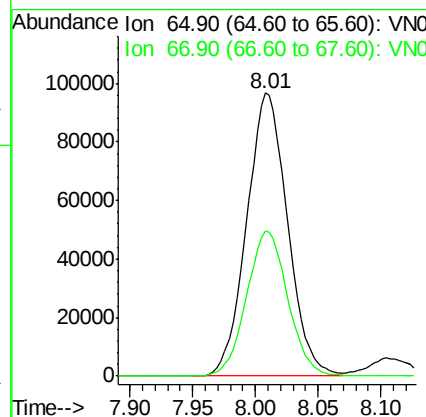
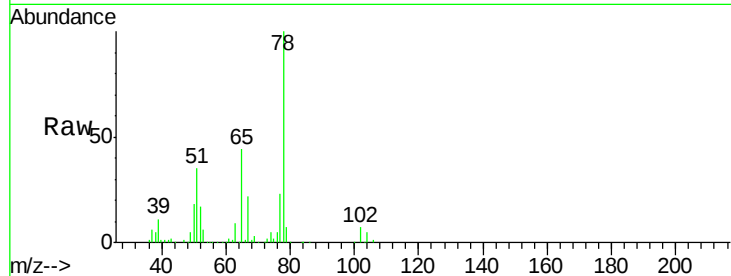
#33
 1,2-Dichloroethane-d4
 Concen: 41.621 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219645		
67	51.6	0.0	102.4	

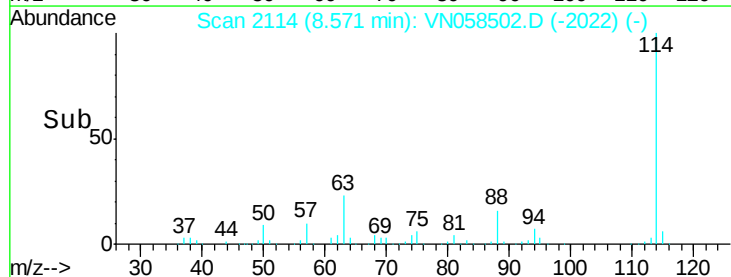
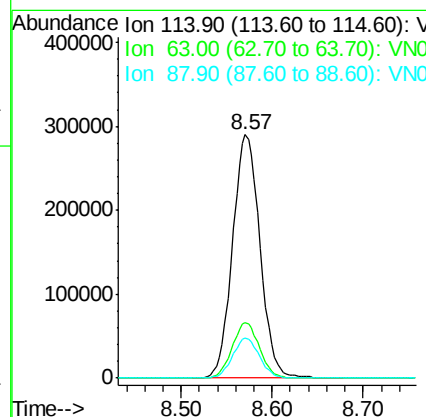
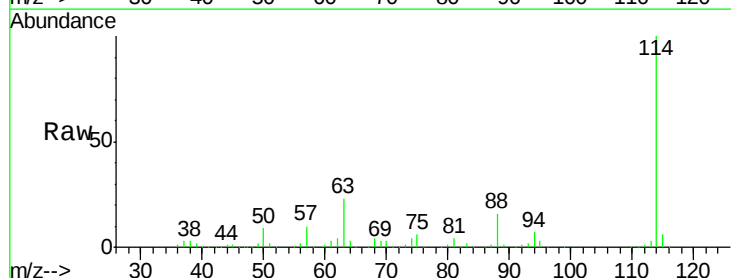
Manual Integrations
 APPROVED

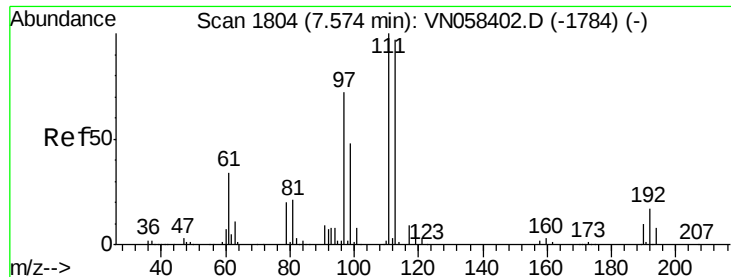
MMDadoda
 10/4/2019 9:30:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	607079		
63	22.9	0.0	45.0	
88	16.4	0.0	32.2	





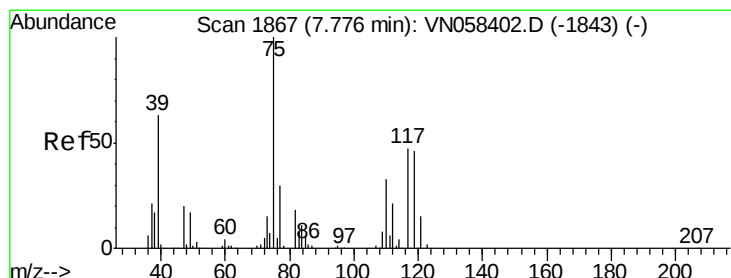
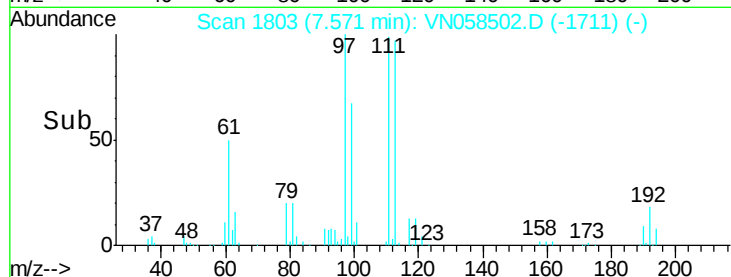
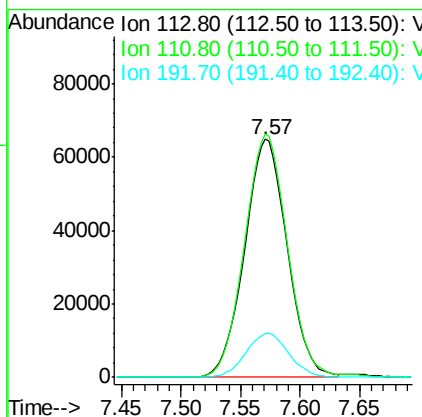
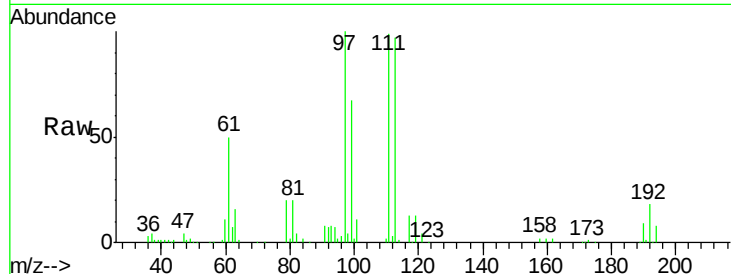
#35
Dibromofluoromethane
Concen: 43.115 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160420		
111	103.0	83.4	125.2	
192	18.5	14.9	22.3	

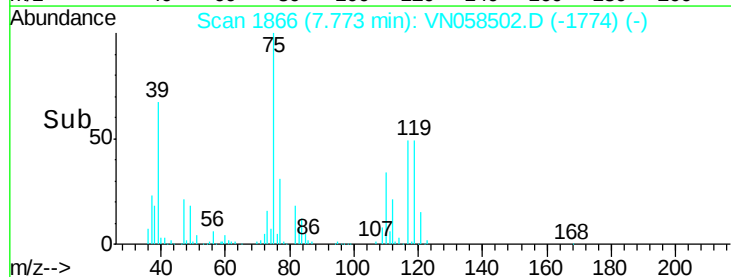
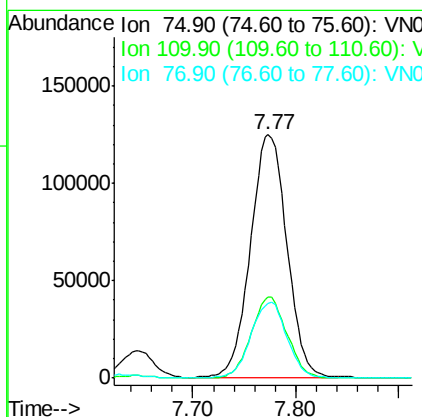
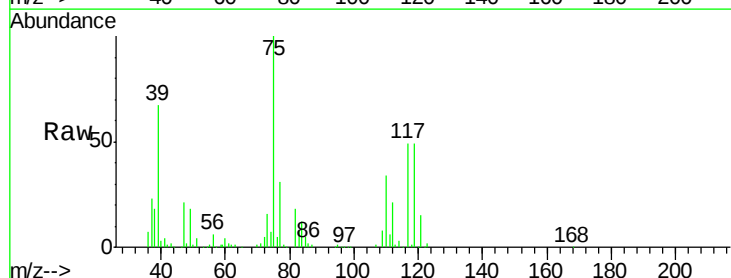
Manual Integrations
APPROVED

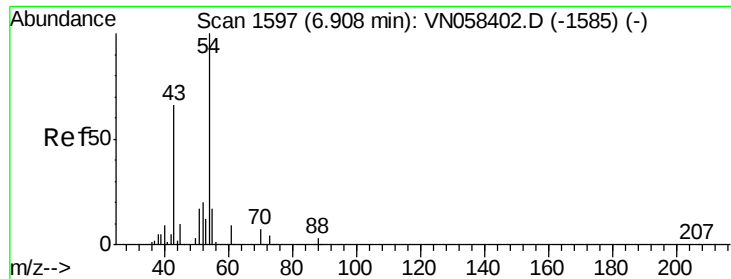
MMDadoda
10/4/2019 9:30:04 AM



#36
1,1-Dichloropropene
Concen: 52.628 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305498		
110	32.6	16.4	49.2	
77	31.3	24.3	36.5	





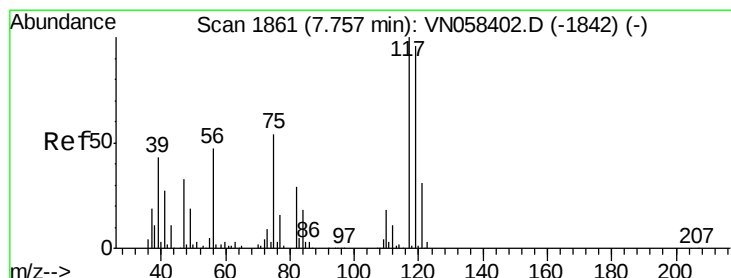
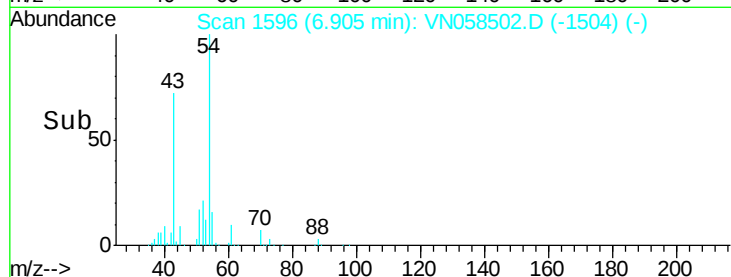
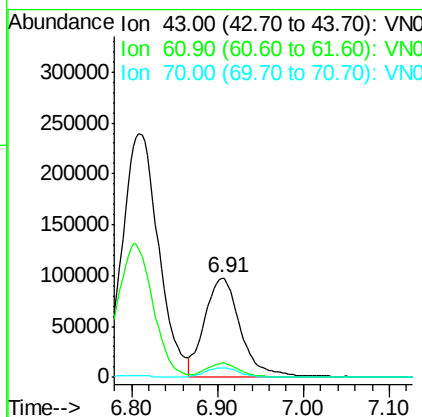
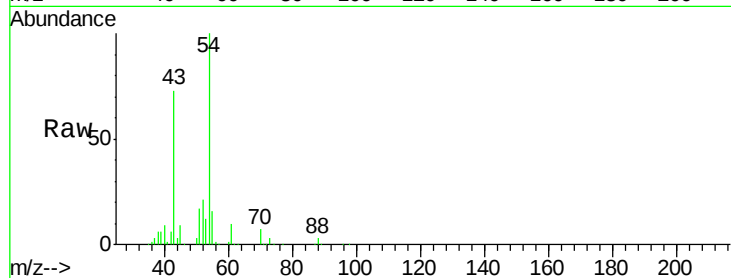
#37
Ethyl Acetate
Concen: 56.685 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	9.2	7.8	11.6

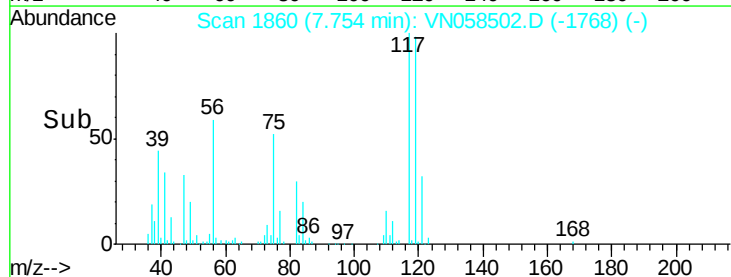
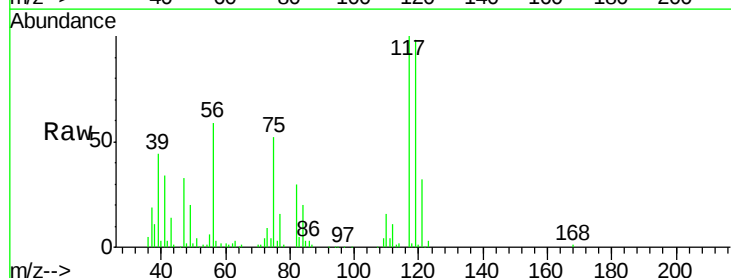
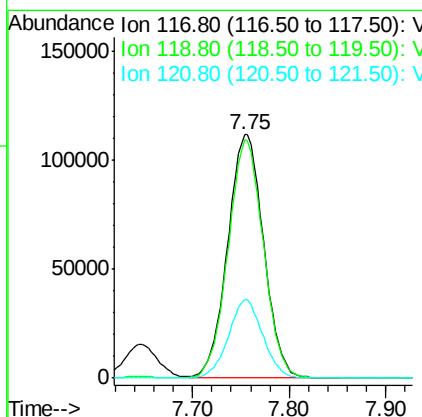
Manual Integrations
APPROVED

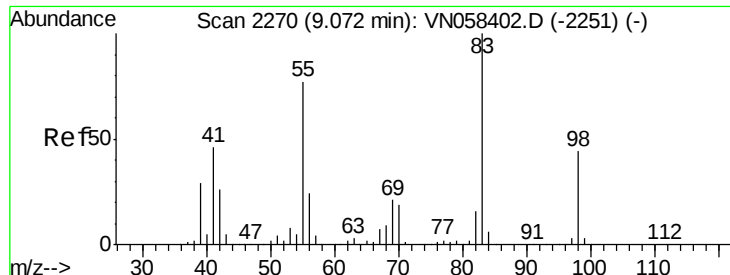
MMDadoda
10/4/2019 9:30:04 AM



#38
Carbon Tetrachloride
Concen: 55.063 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.6	115.0
121	32.4	24.7	37.1





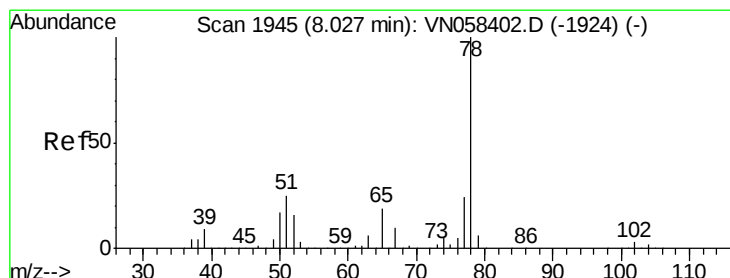
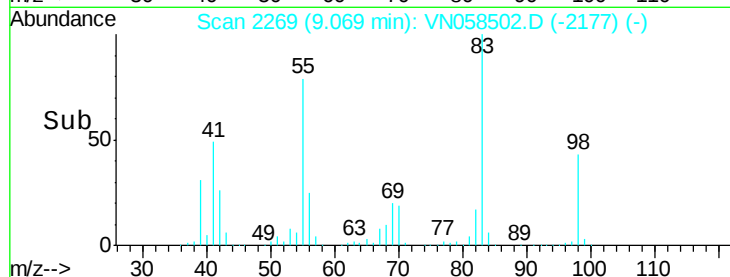
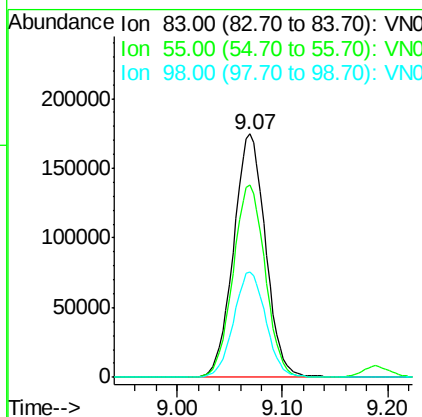
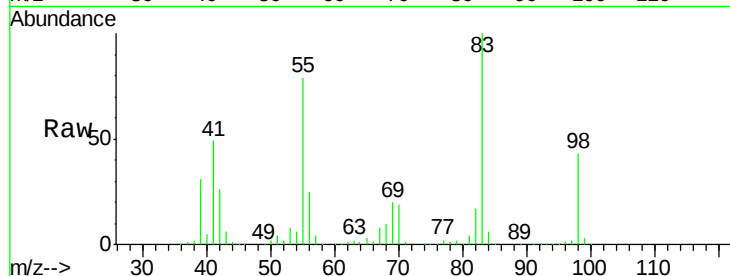
#39
Methvlcvclohexane
Concen: 54.220 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	61.8	92.6
98	43.4	35.4	53.0

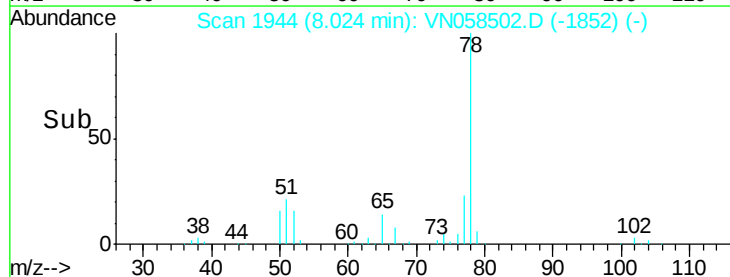
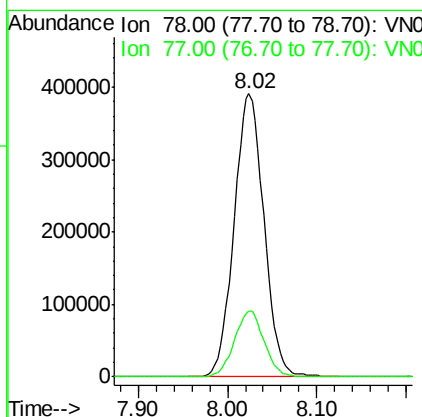
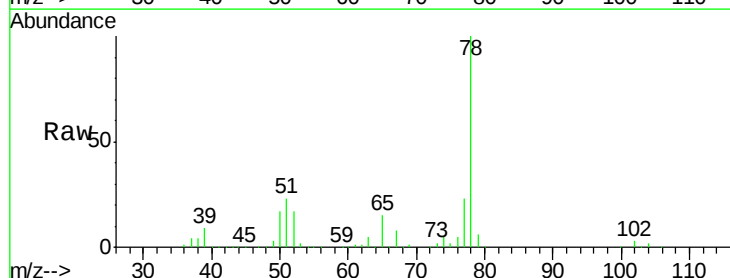
Manual Integrations
APPROVED

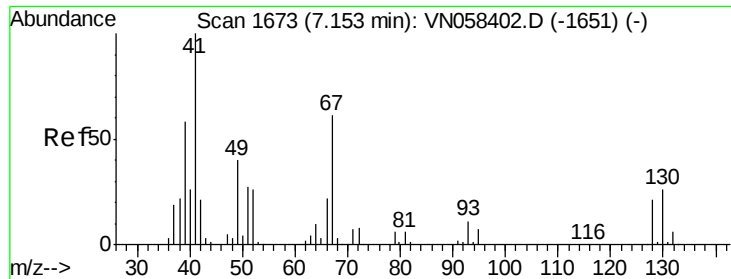
MMDadoda
10/4/2019 9:30:04 AM



#40
Benzene
Concen: 54.330 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





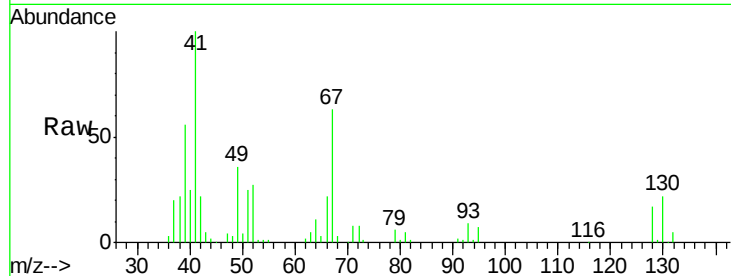
#41
Methacrylonitrile
Concen: 54.797 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

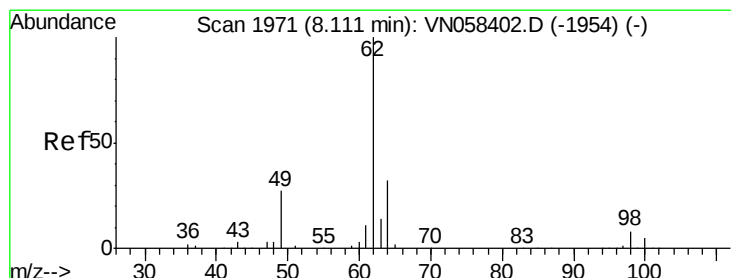
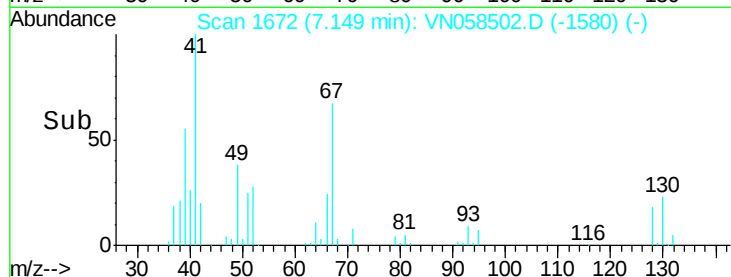
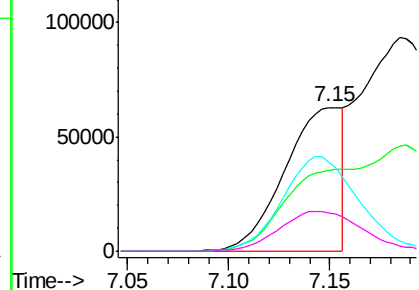
Tot Ion	Ratio	Lower	Upper
41	100		
39	170.4	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM

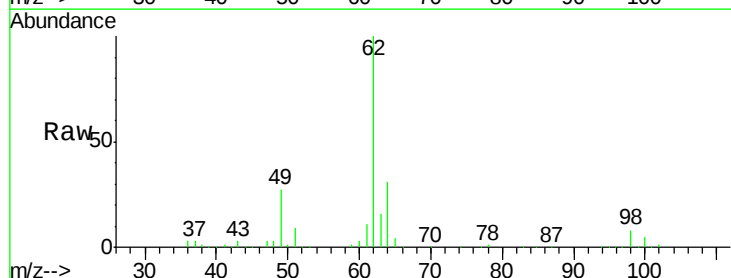


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

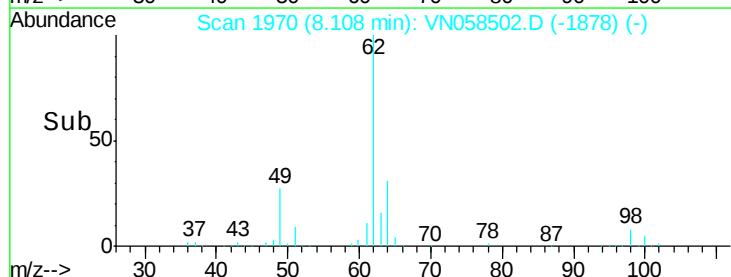
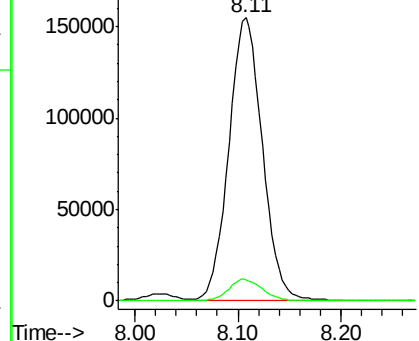


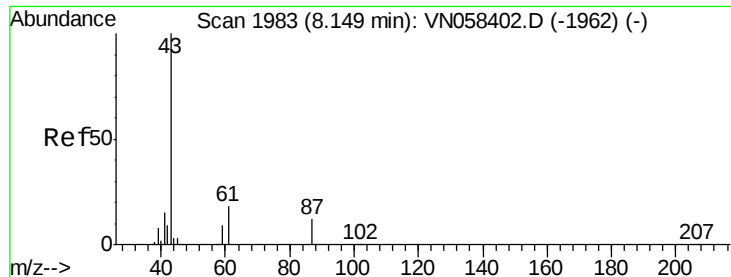
#42
1,2-Dichloroethane
Concen: 53.929 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 51.455 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

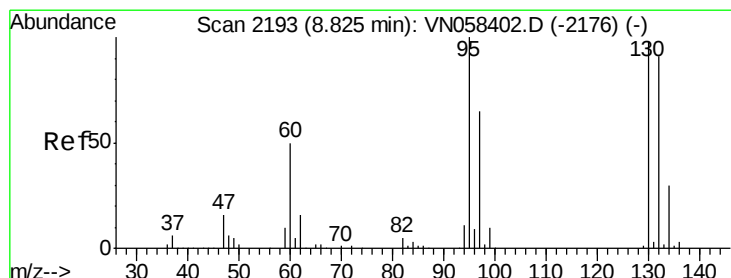
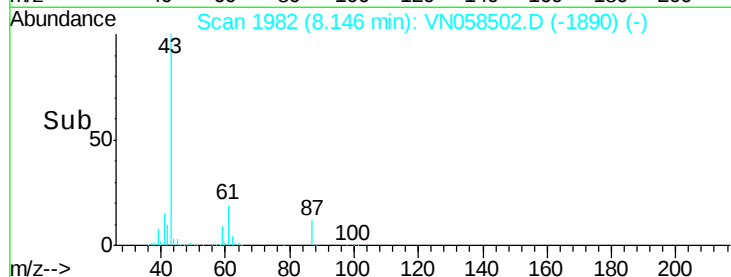
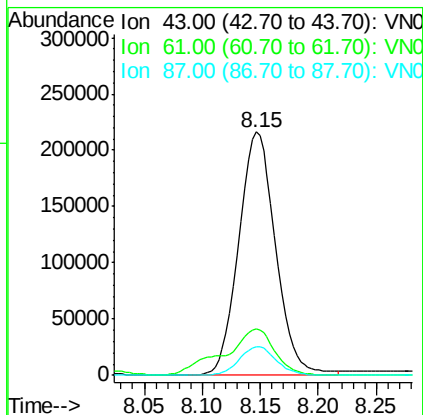
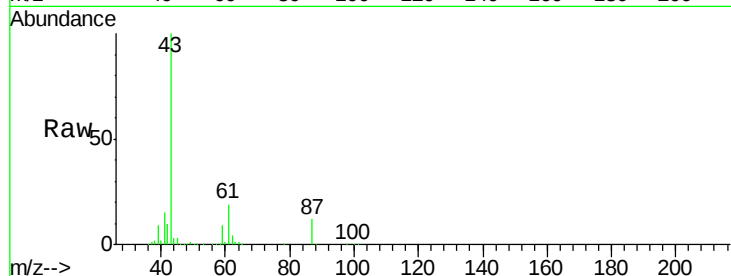
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	476204
Ion	Ratio	Lower	Upper
43	100		
61	26.0	14.8	22.2#
87	12.0	9.7	14.5

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#44

Trichloroethene

Concen: 52.533 ug/l

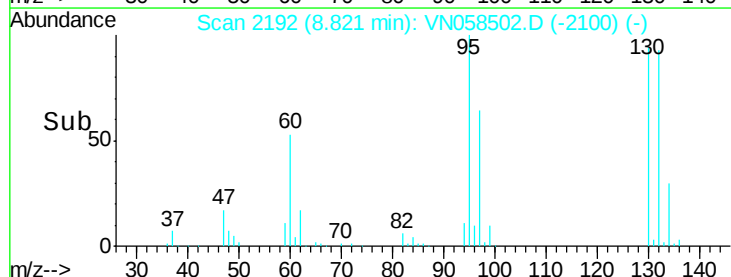
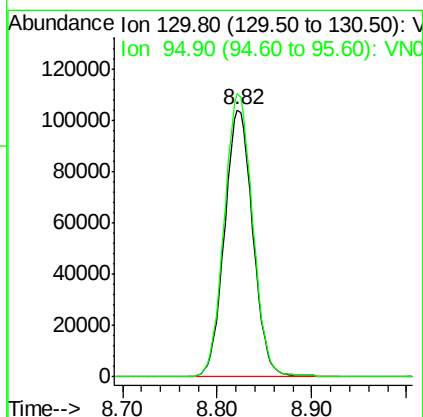
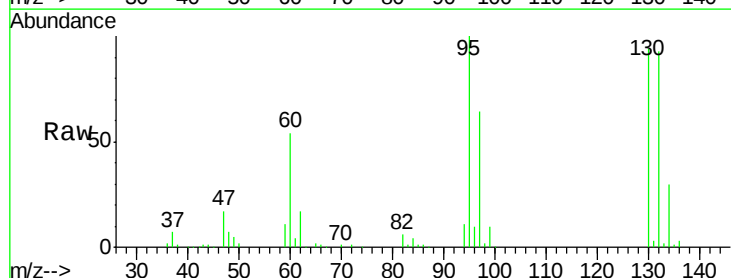
RT: 8.82 min Scan# 2192

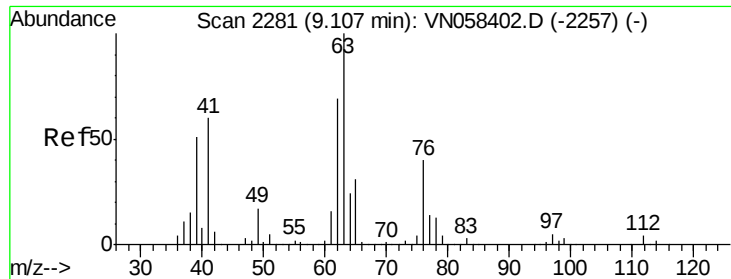
Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	130	Resp:	216440
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	204.2





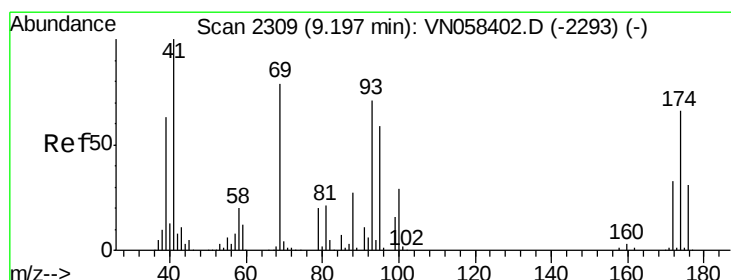
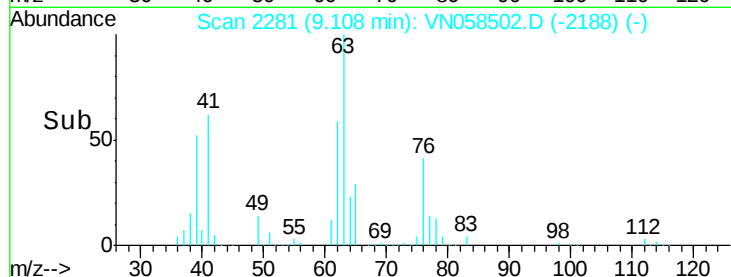
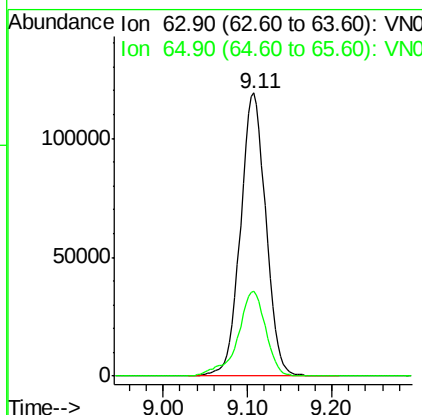
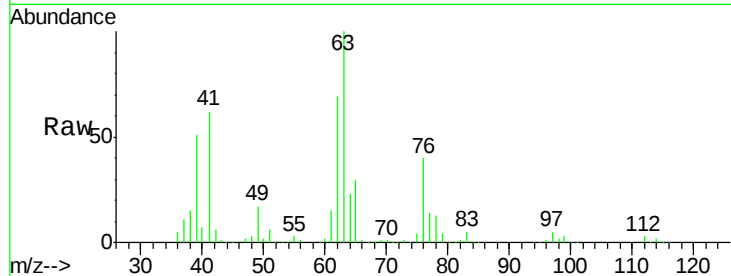
#45
 1,2-Dichloropropane
 Concen: 55.924 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 250264
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.0 37.4

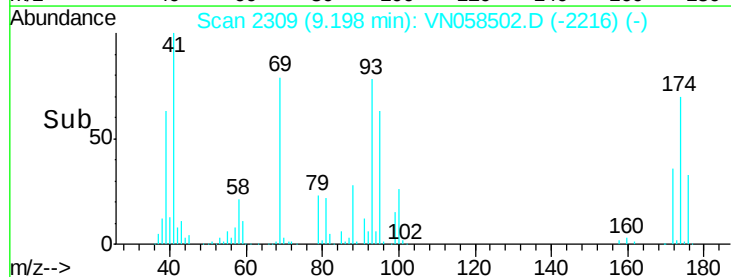
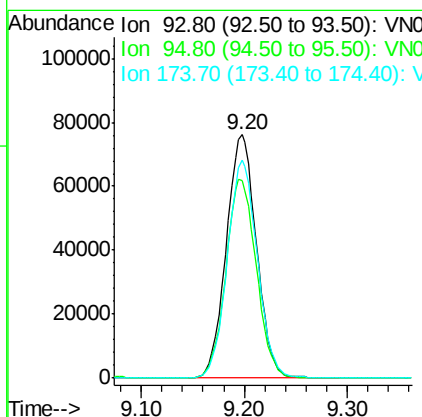
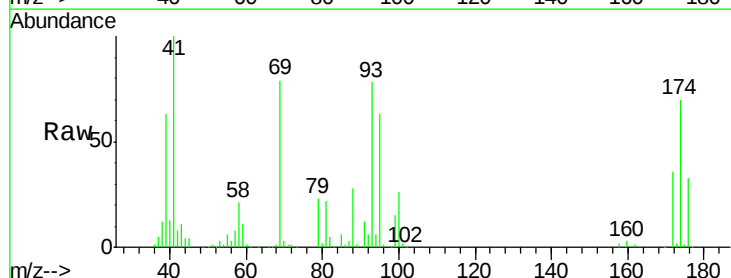
Manual Integrations
 APPROVED

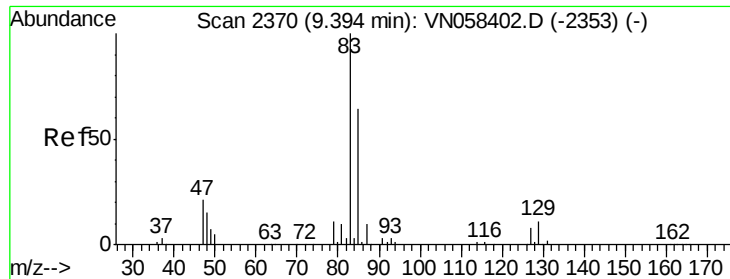
MMDadoda
 10/4/2019 9:30:04 AM



#46
 Dibromomethane
 Concen: 54.760 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion: 93 Resp: 155189
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.0 100.4
 174 89.1 74.2 111.2





#47

Bromodichloromethane

Concen: 59.820 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

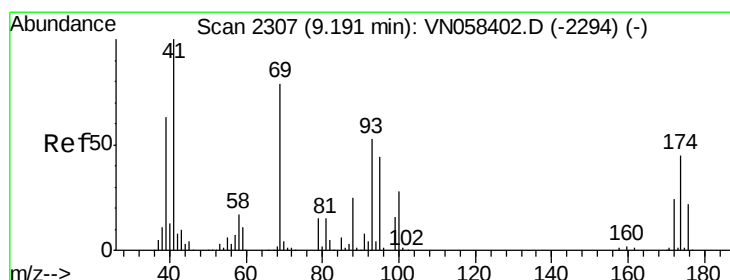
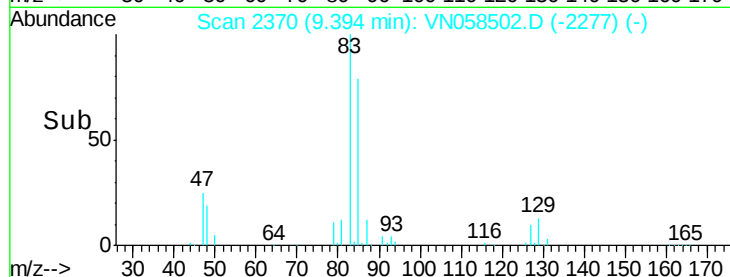
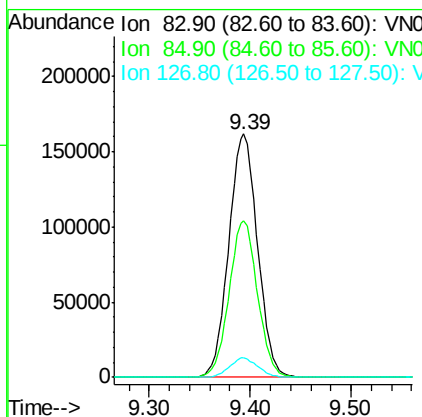
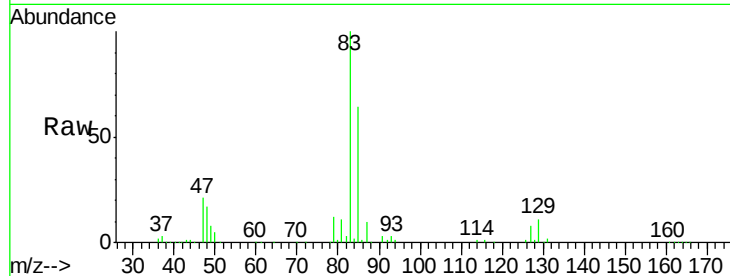
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	321202
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.2	76.8
127	8.0	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#48

Methyl methacrylate

Concen: 55.497 ug/l

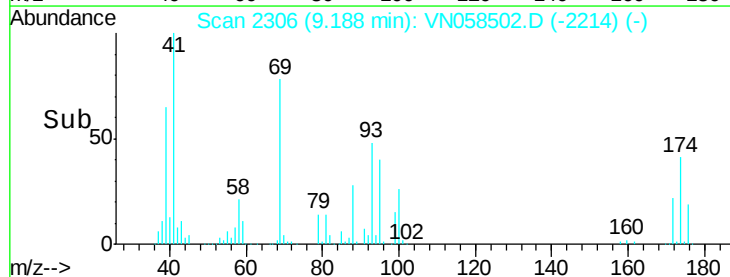
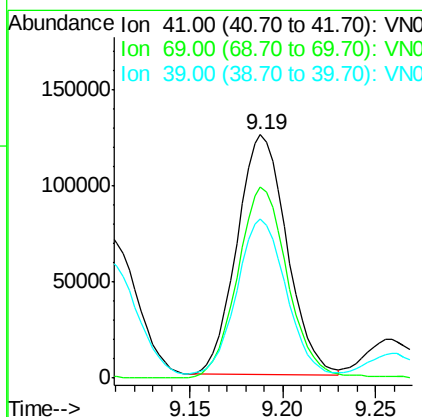
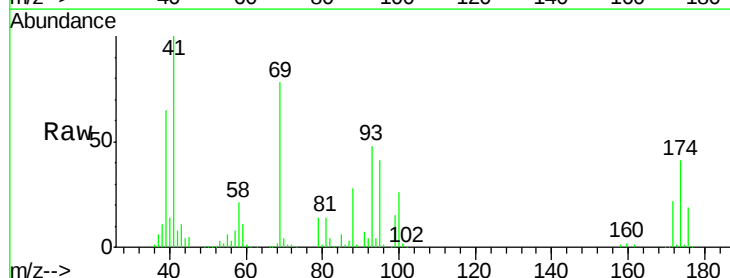
RT: 9.19 min Scan# 2306

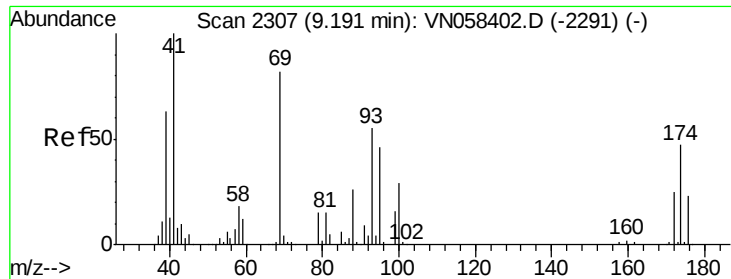
Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	41	Resp:	233873
Ion Ratio	Lower	Upper	
41	100		
69	80.9	64.7	97.1
39	66.2	52.9	79.3





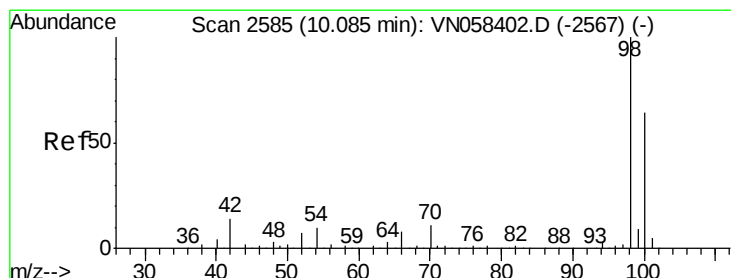
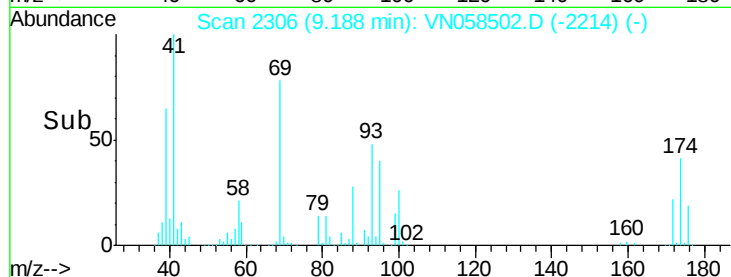
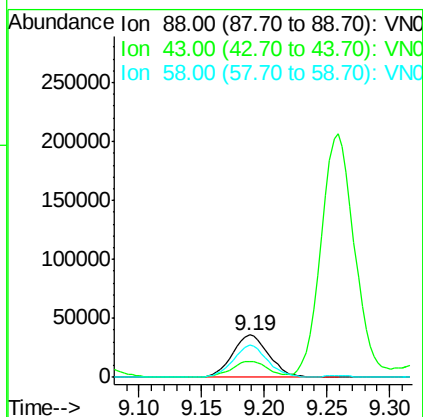
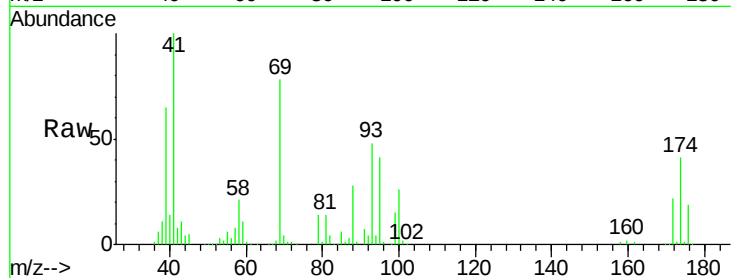
#49
 1,4-Dioxane
 Concen: 1280.177 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	31.1	46.7
58	72.4	58.1	87.1

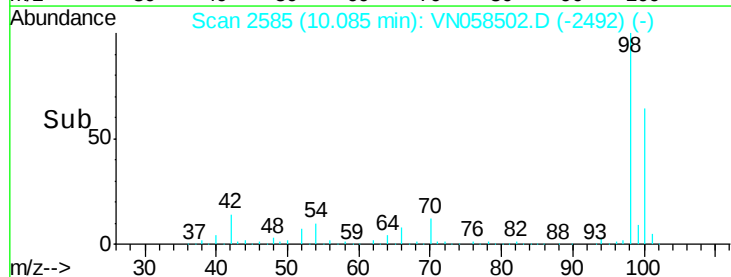
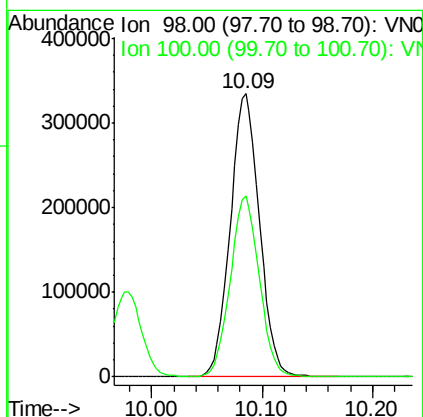
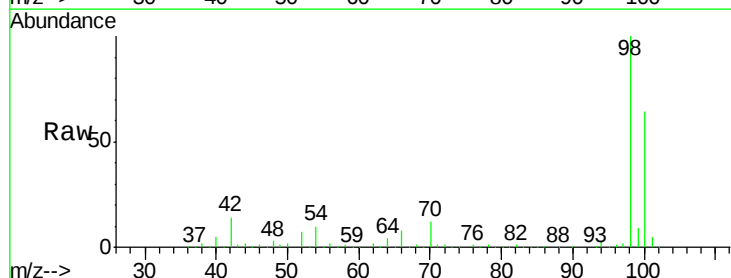
Manual Integrations
 APPROVED

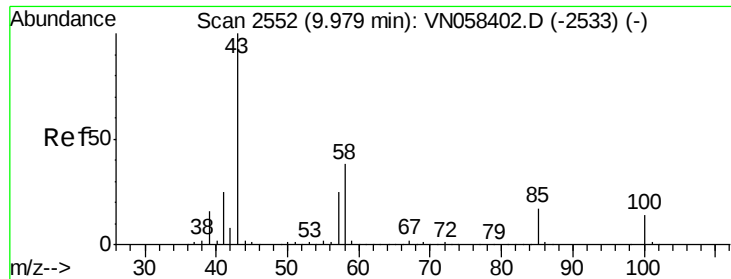
MMDadoda
 10/4/2019 9:30:04 AM



#50
 Toluene-d8
 Concen: 42.175 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 300.030 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1426301

Ion Ratio Lower Upper

43 100

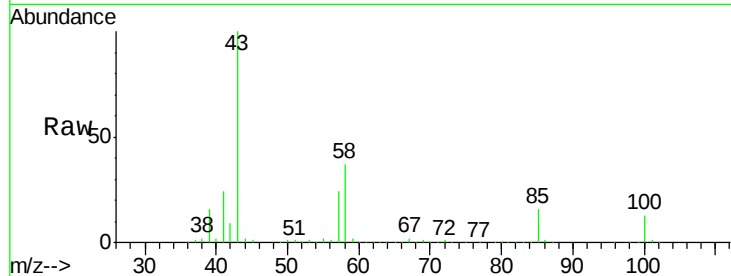
58 36.8 30.2 45.2

Manual Integrations

APPROVED

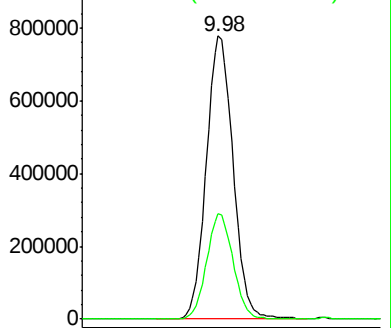
MMDadoda

10/4/2019 9:30:04 AM

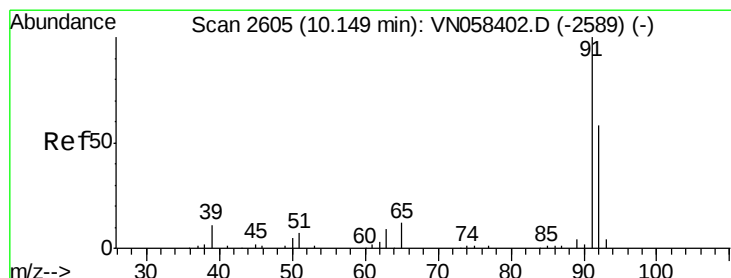
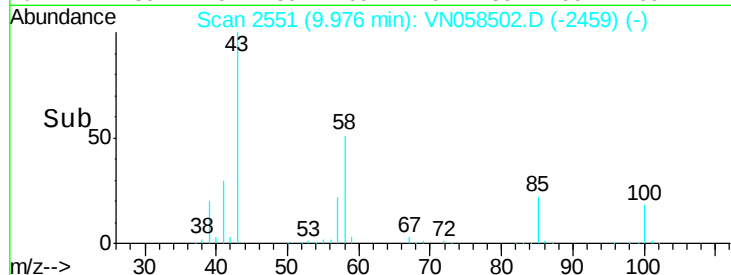


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 53.103 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058502.D

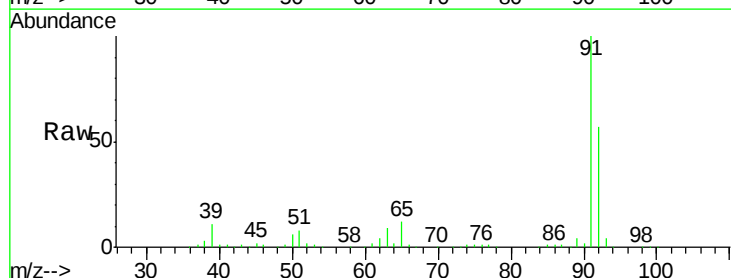
Acq: 3 Oct 2019 12:15

Tgt Ion: 92 Resp: 557721

Ion Ratio Lower Upper

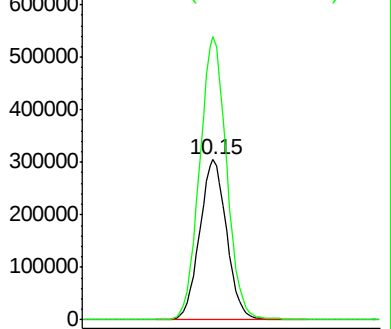
92 100

91 176.3 140.2 210.4

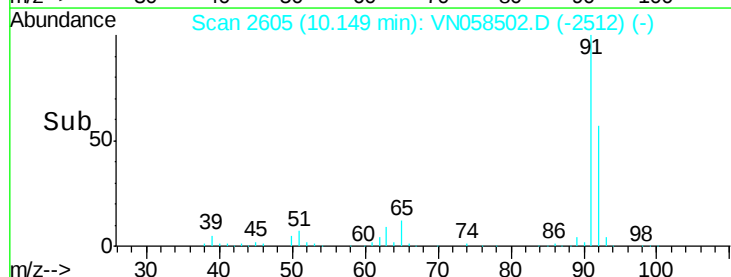


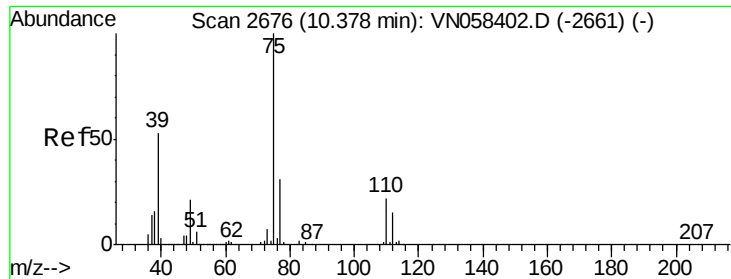
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





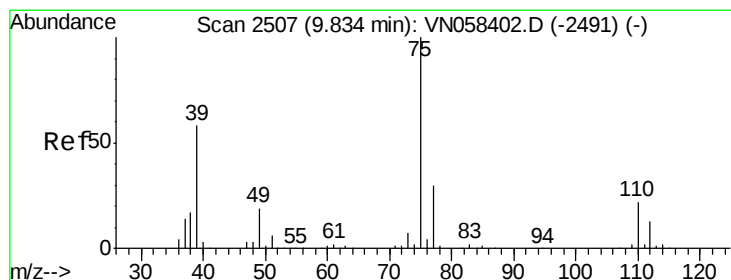
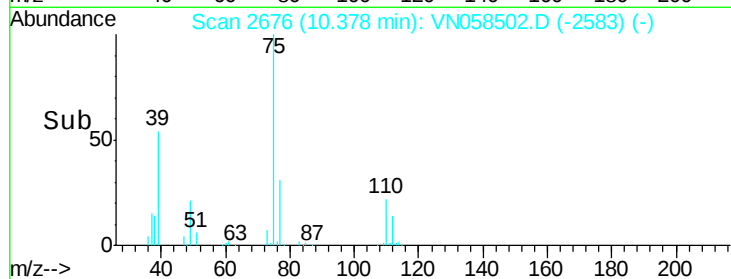
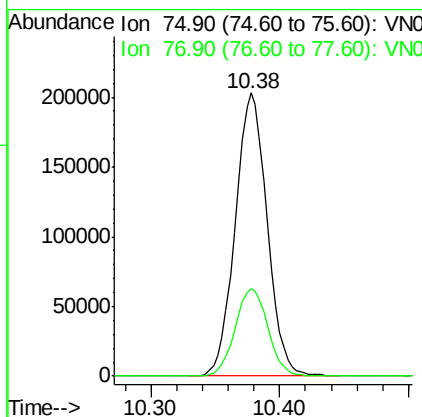
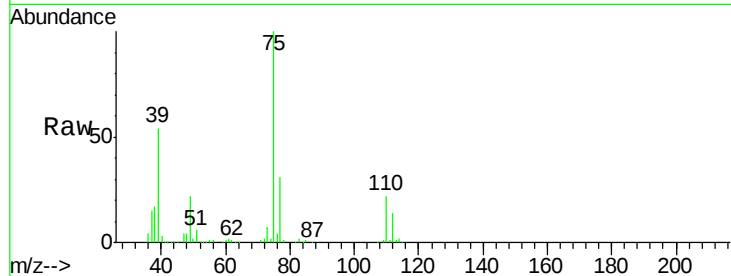
#53
t-1,3-Dichloropropene
Concen: 59.705 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 348935
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8

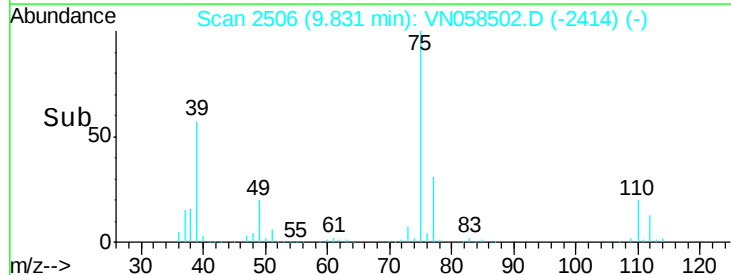
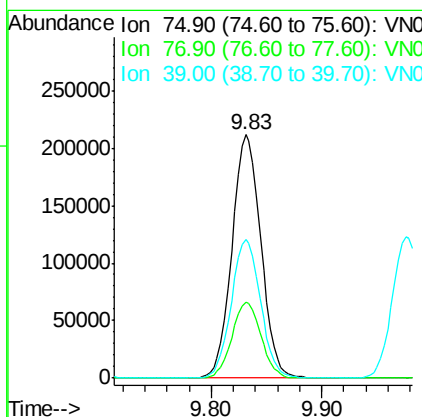
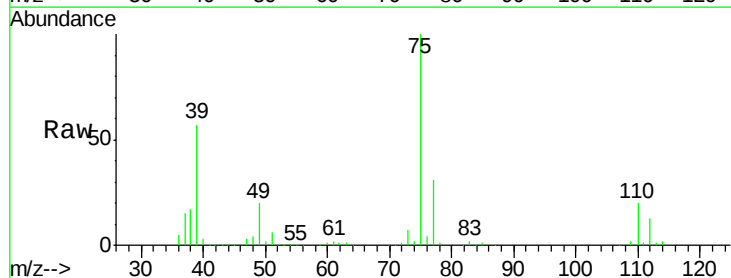
Manual Integrations
APPROVED

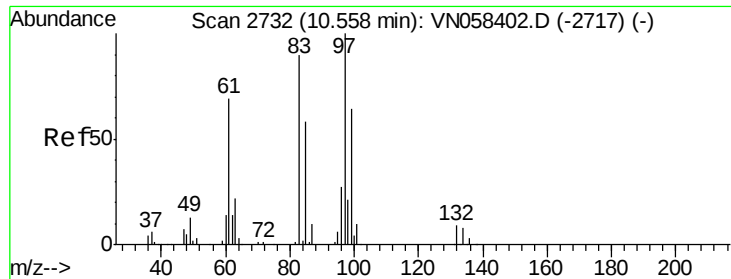
MMDadoda
10/4/2019 9:30:04 AM



#54
cis-1,3-Dichloropropene
Concen: 59.372 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion: 75 Resp: 385169
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.4
39 57.1 46.4 69.6





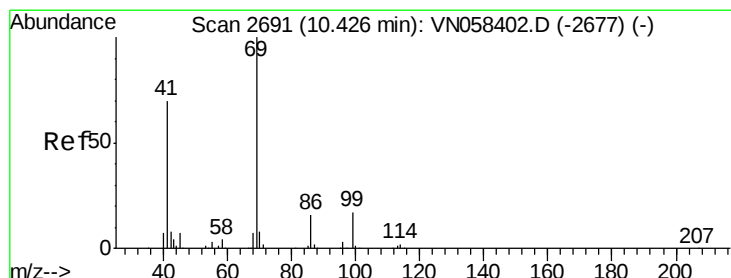
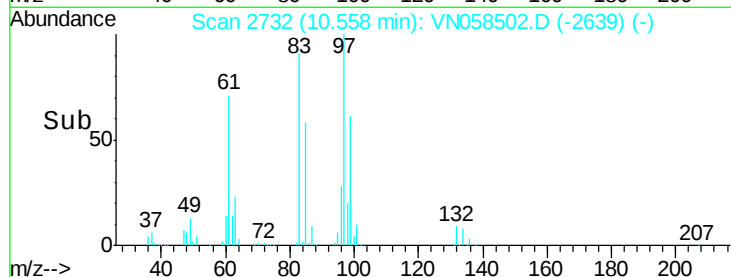
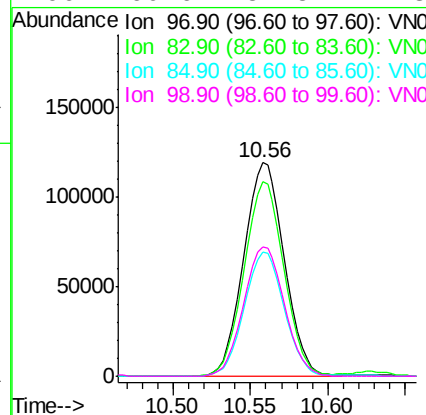
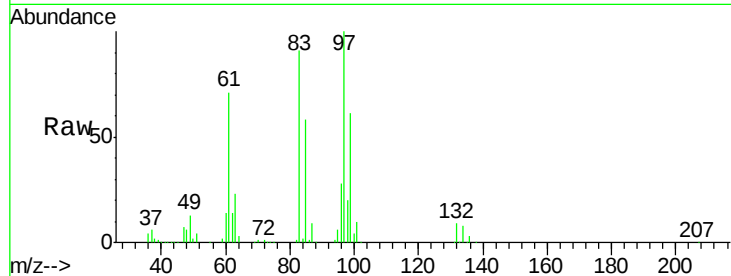
#55
 1,1,2-Trichloroethane
 Concen: 56.908 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.9	71.8	107.6
85	57.9	46.6	69.8
99	60.6	51.5	77.3

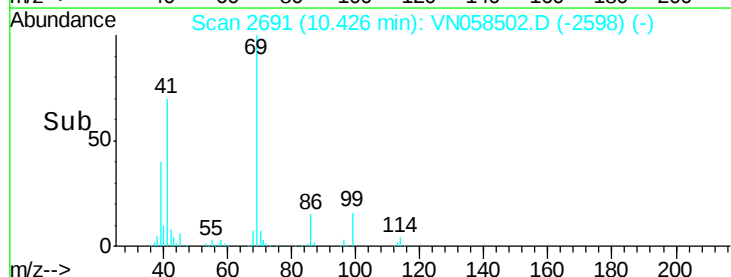
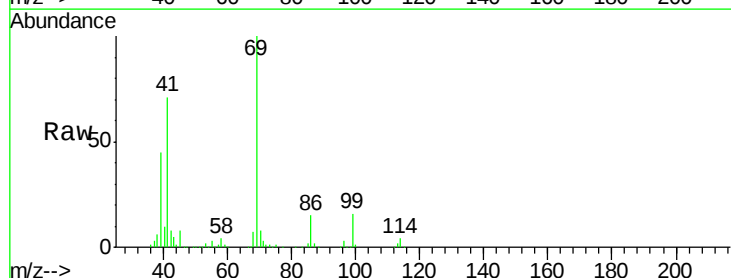
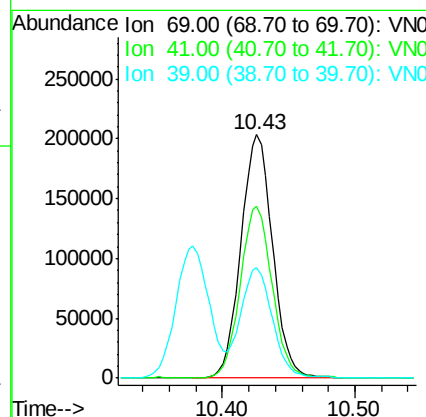
Manual Integrations
 APPROVED

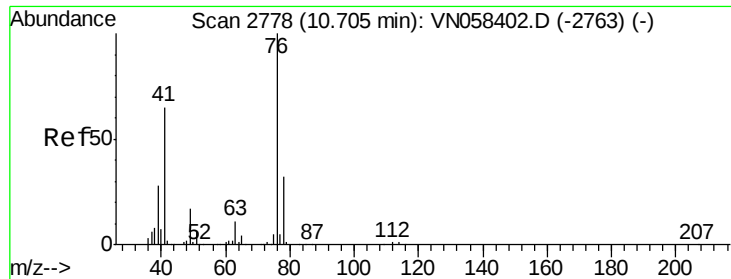
MMDadoda
 10/4/2019 9:30:04 AM



#56
 Ethyl methacrylate
 Concen: 58.224 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.3	84.5
39	44.9	35.8	53.6





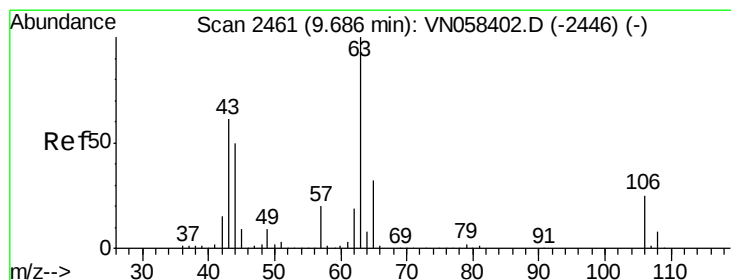
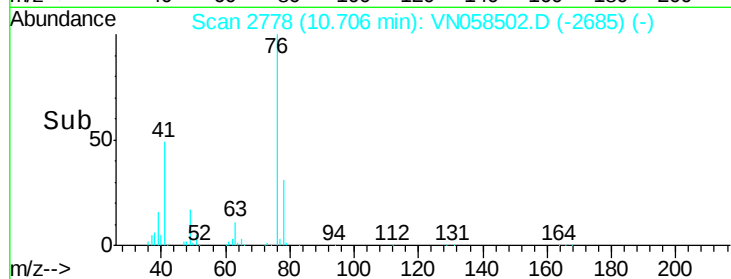
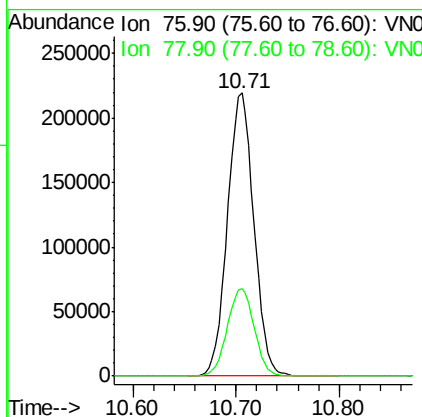
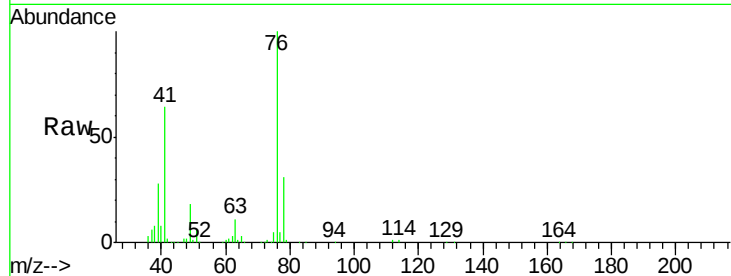
#57
 1,3-Dichloropropane
 Concen: 57.452 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.7	38.5

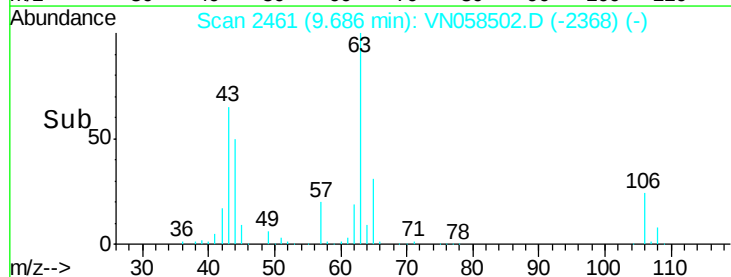
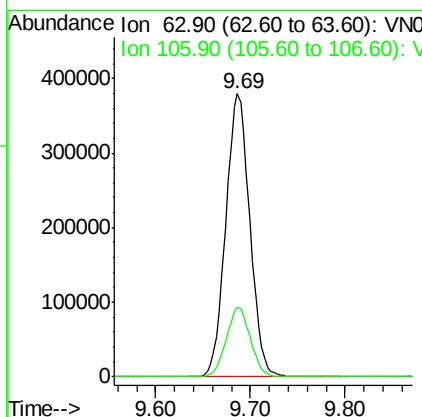
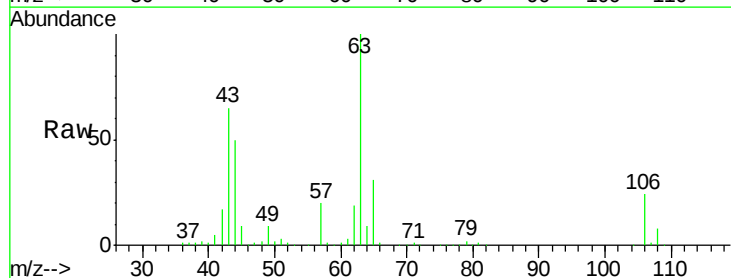
Manual Integrations
 APPROVED

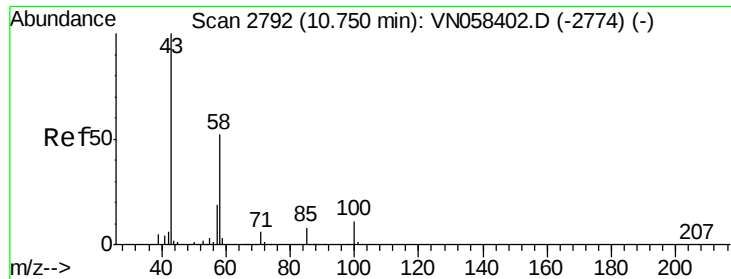
MMDadoda
 10/4/2019 9:30:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.537 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	20.3	30.5





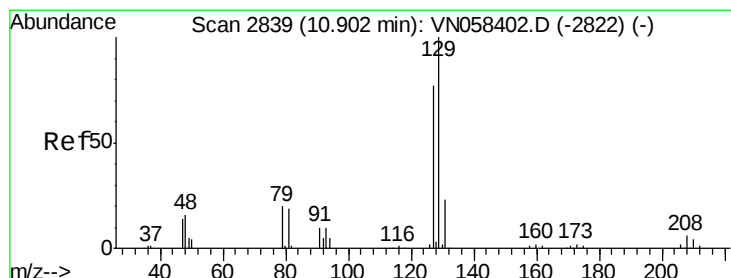
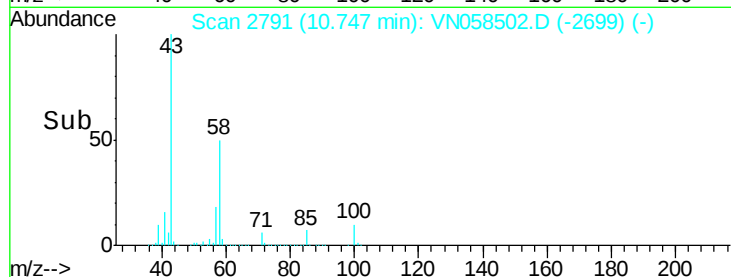
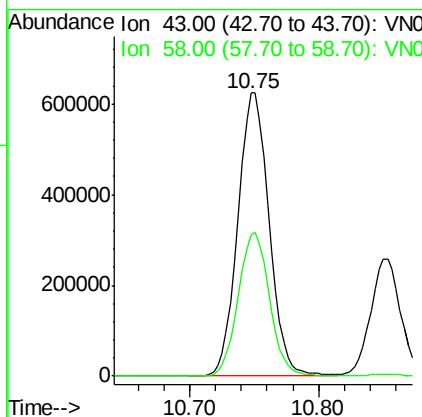
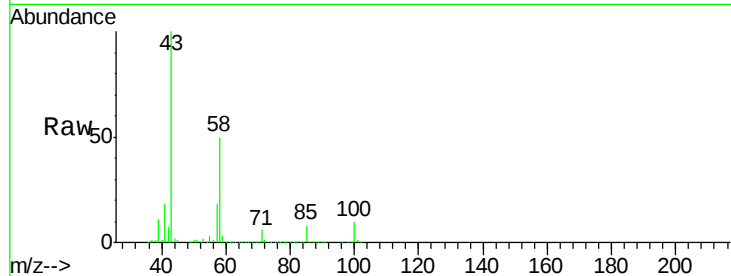
#59
2-Hexanone
Concen: 304.842 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1055218
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3

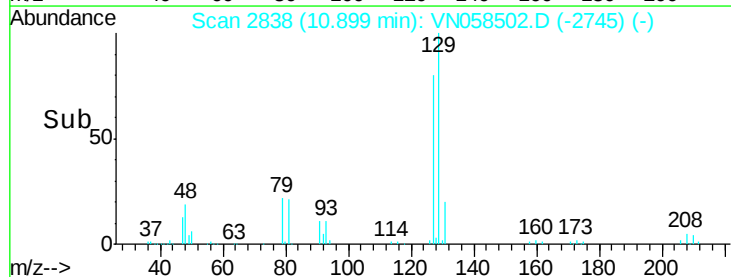
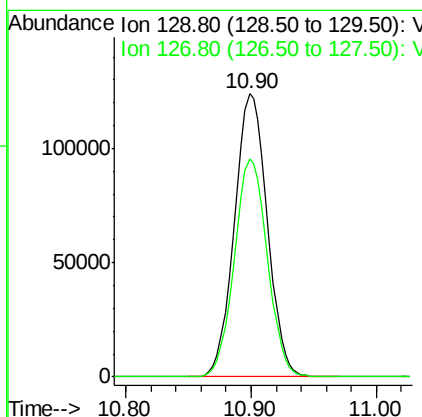
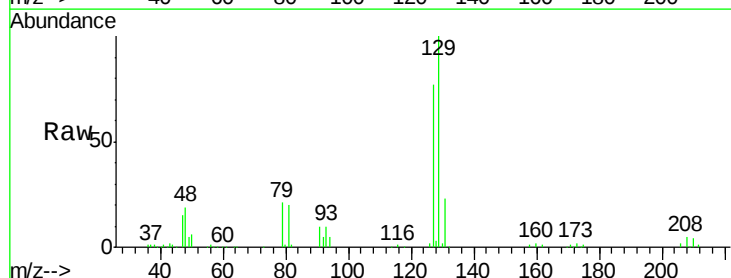
Manual Integrations
APPROVED

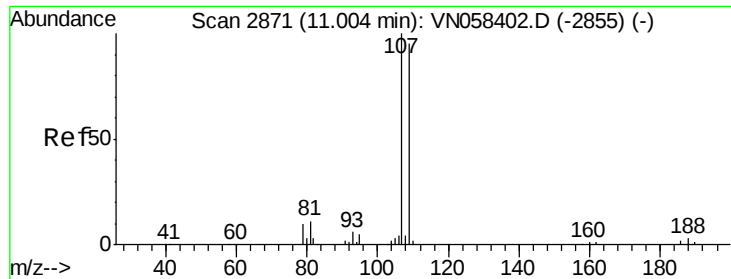
MMDadoda
10/4/2019 9:30:04 AM



#60
Dibromochloromethane
Concen: 57.059 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion:129 Resp: 225650
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





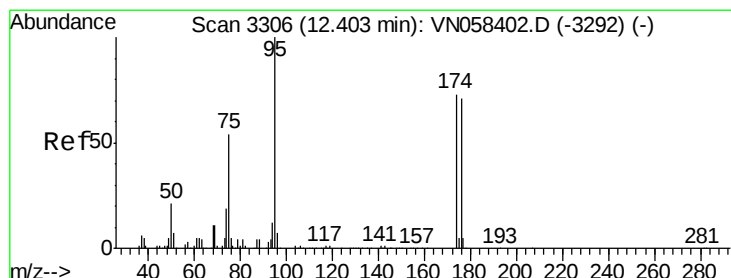
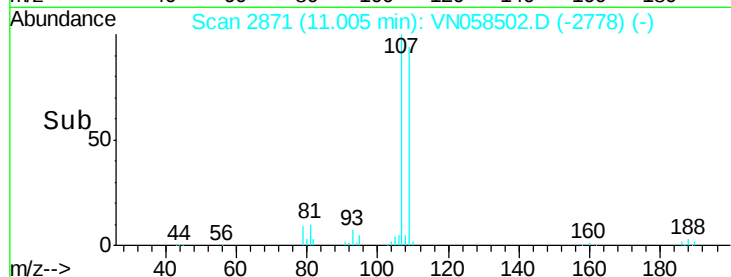
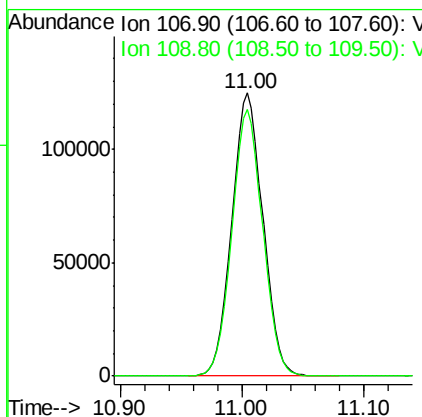
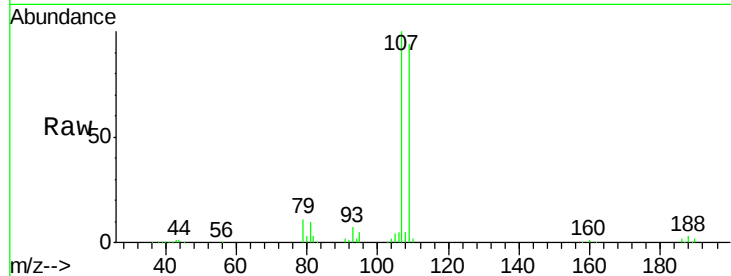
#61
 1,2-Dibromoethane
 Concen: 56.461 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

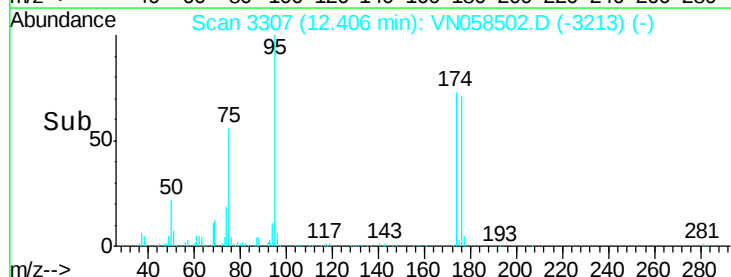
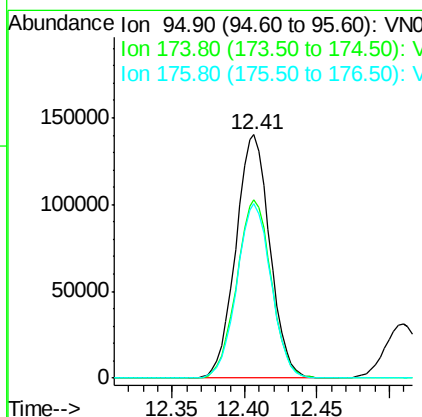
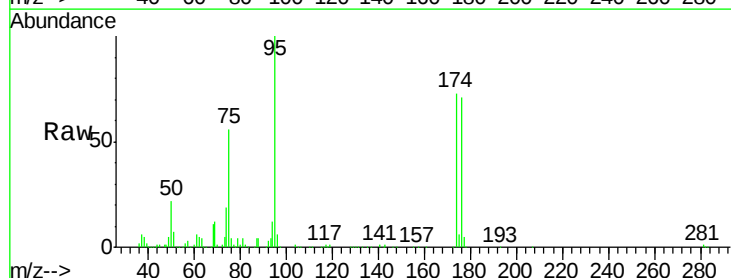
Manual Integrations
 APPROVED

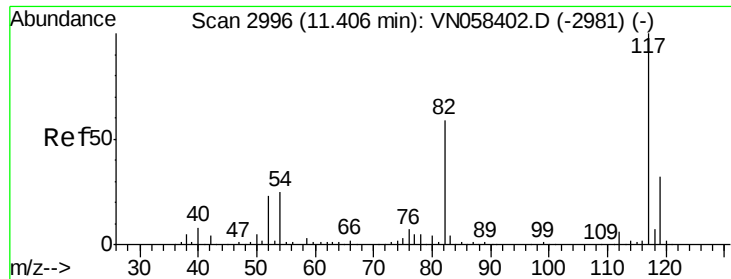
MMDadoda
 10/4/2019 9:30:04 AM



#62
 4-Bromofluorobenzene
 Concen: 43.387 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	150.6
176	72.2	0.0	146.2





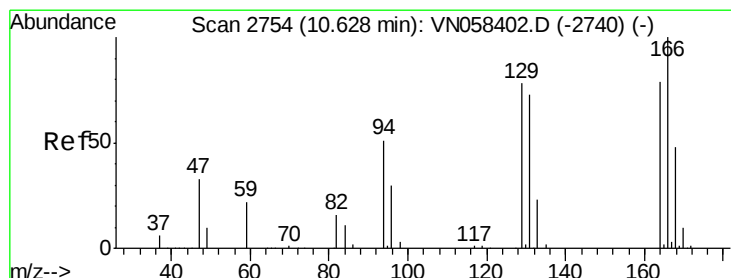
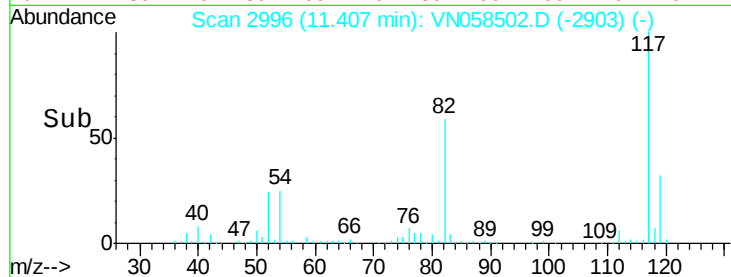
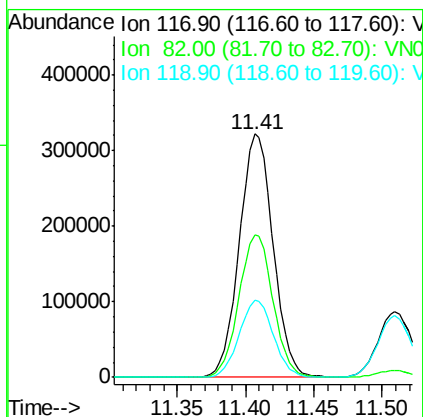
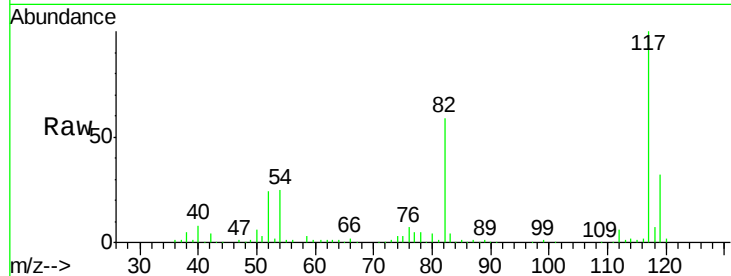
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.4	71.0
119	31.6	25.5	38.3

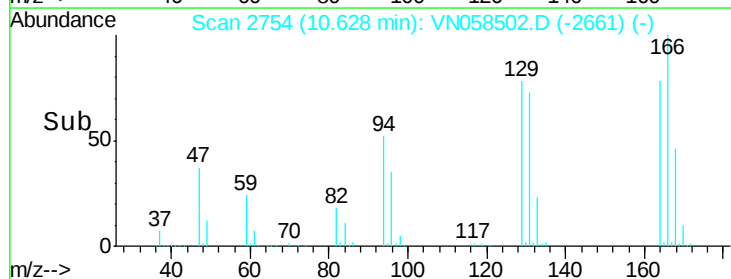
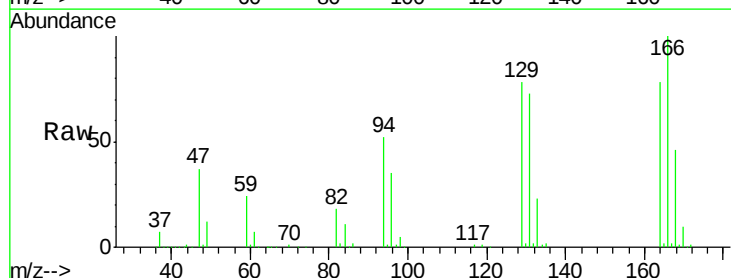
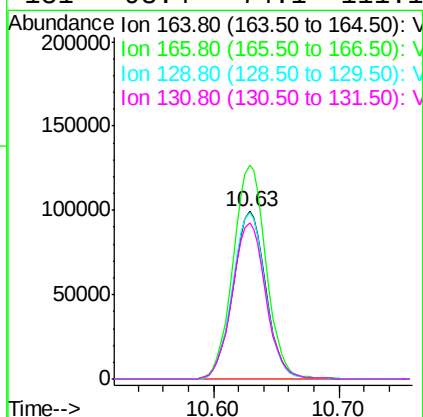
Manual Integrations
APPROVED

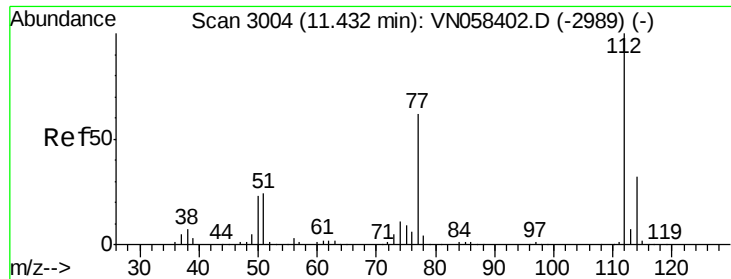
MMDadoda
10/4/2019 9:30:04 AM



#64
Tetrachloroethene
Concen: 51.092 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.1	151.7
129	99.2	79.2	118.8
131	93.4	74.1	111.1





#65

Chlorobenzene

Concen: 54.103 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 597716

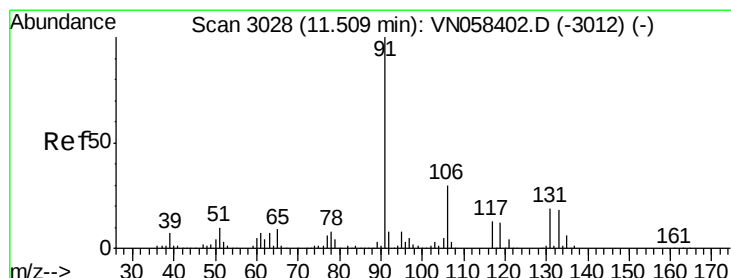
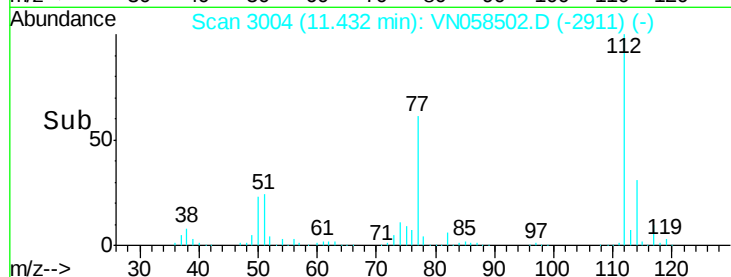
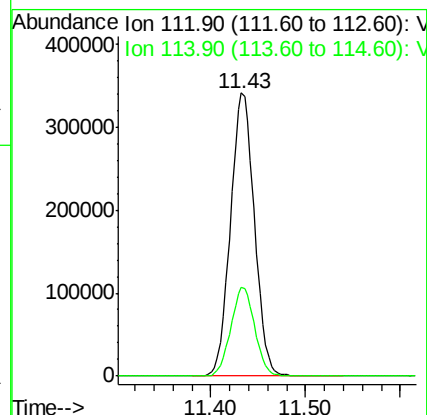
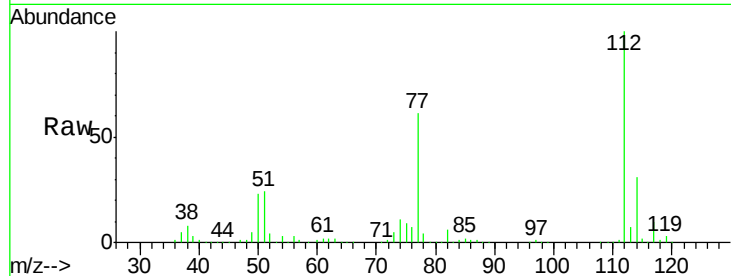
Ion Ratio Lower Upper

112 100

114 31.4 25.4 38.2

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 56.850 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

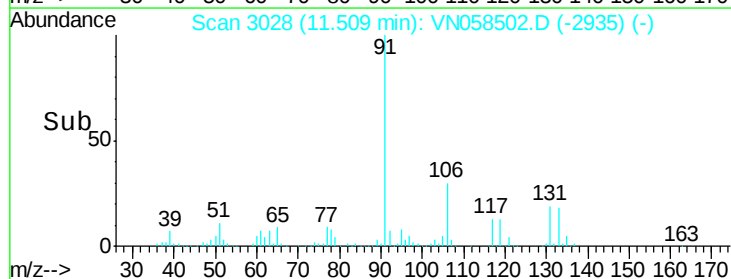
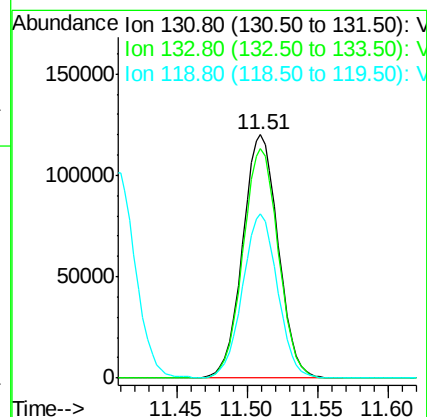
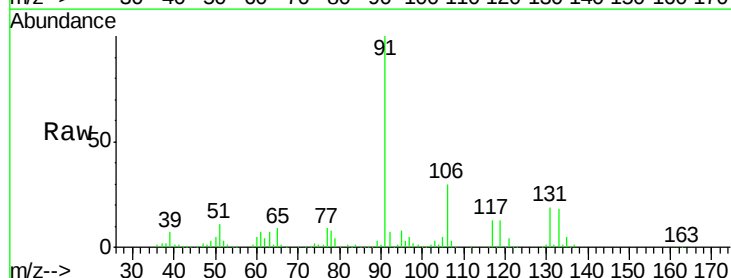
Tgt Ion:131 Resp: 211606

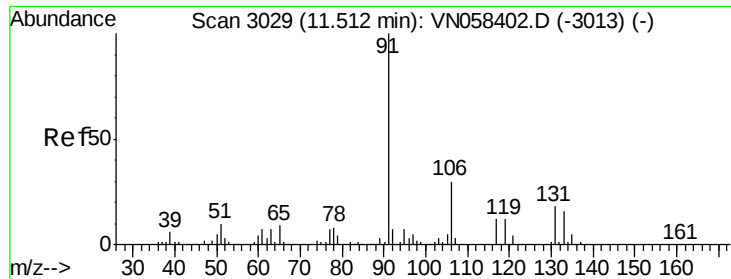
Ion Ratio Lower Upper

131 100

133 94.1 47.8 143.3

119 66.5 33.0 99.0





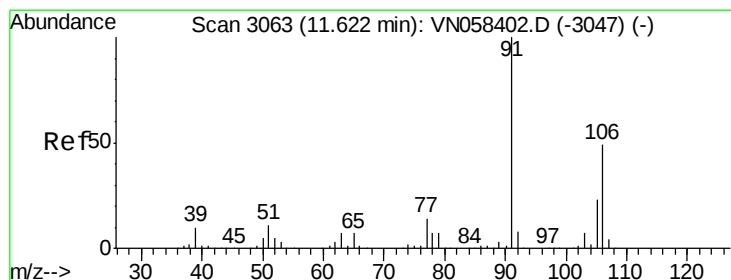
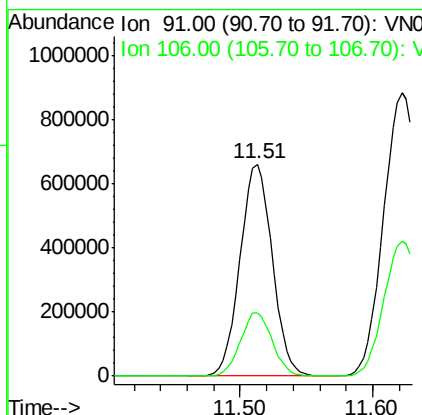
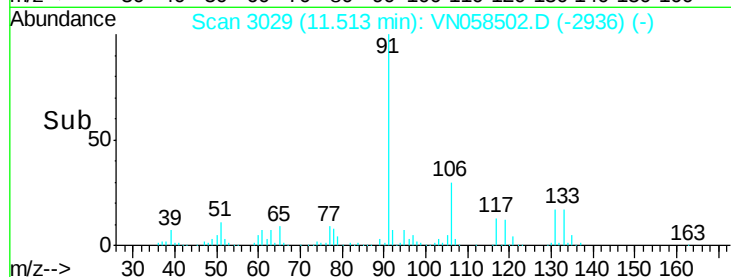
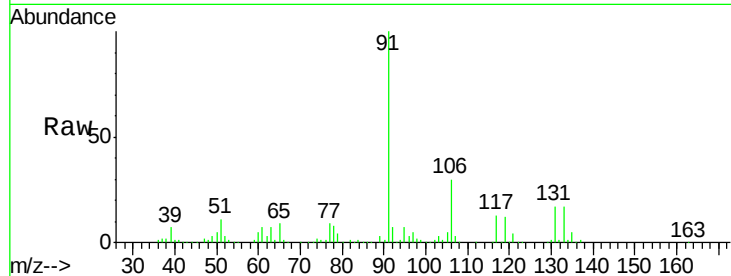
#67
Ethyl Benzene
Concen: 55.780 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1116189
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

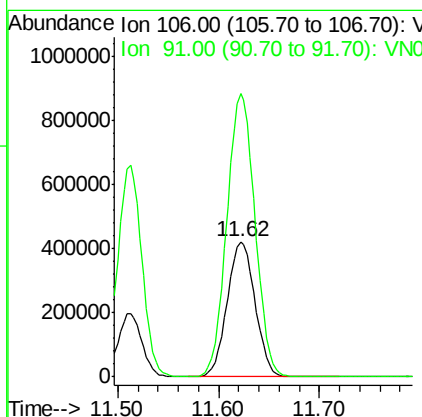
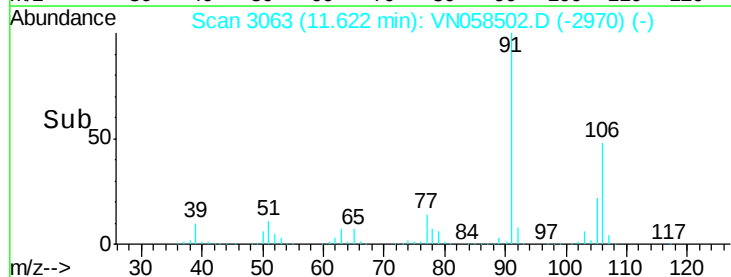
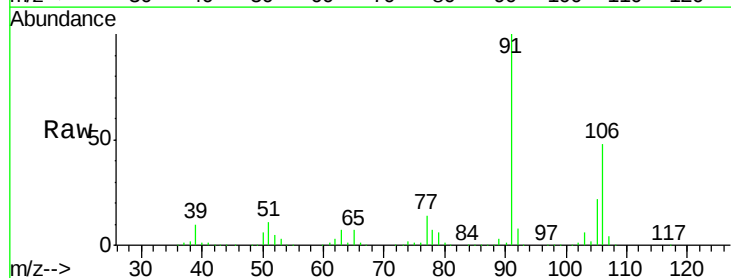
Manual Integrations
APPROVED

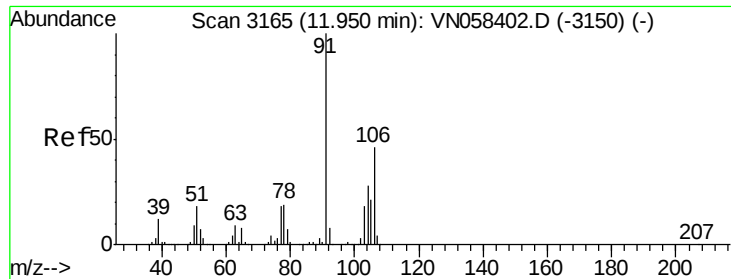
MMDadoda
10/4/2019 9:30:04 AM



#68
m/p-Xylenes
Concen: 107.953 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion: 106 Resp: 812757
Ion Ratio Lower Upper
106 100
91 210.4 165.0 247.4





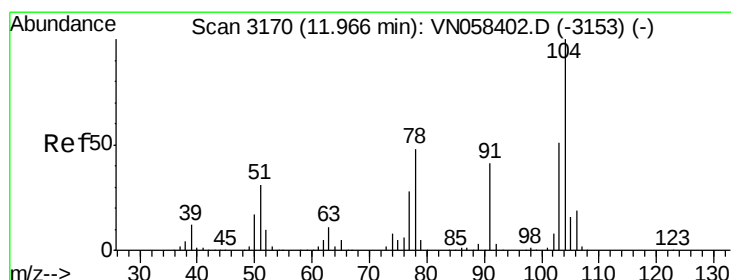
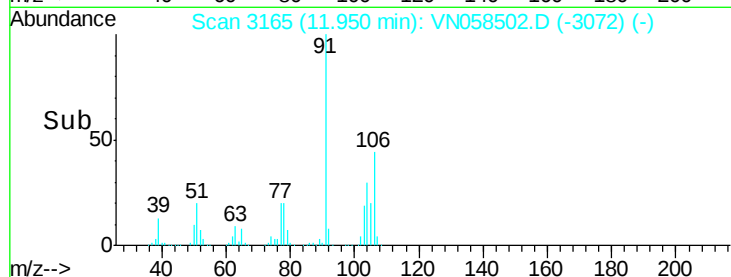
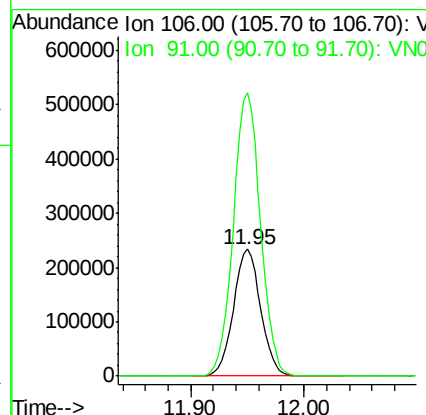
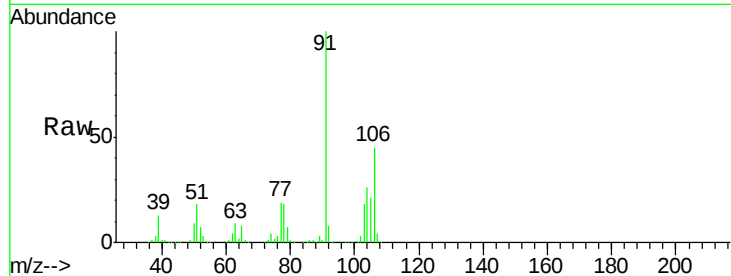
#69
o-Xylene
Concen: 53.723 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	389356		
91	223.4	109.1	327.4	

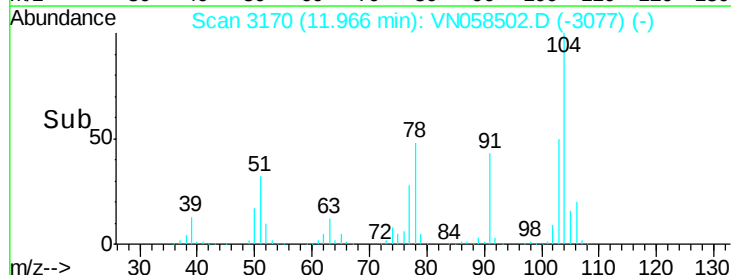
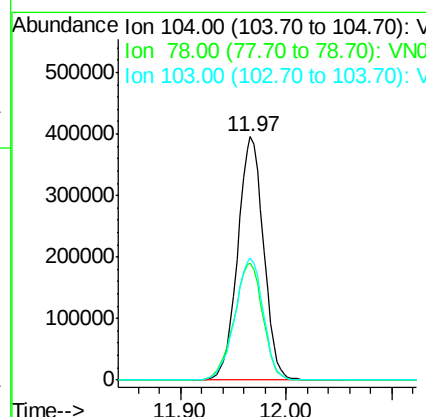
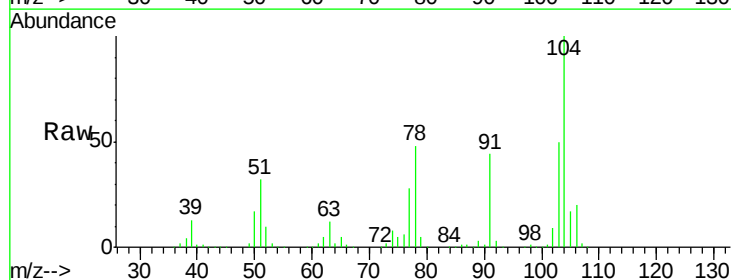
Manual Integrations
APPROVED

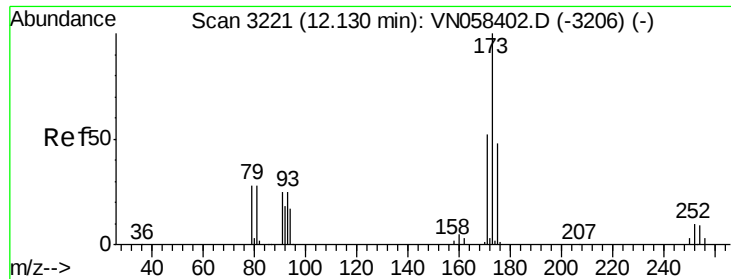
MMDadoda
10/4/2019 9:30:04 AM



#70
Styrene
Concen: 56.888 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	669798		
78	53.7	42.8	64.2	
103	54.9	43.7	65.5	





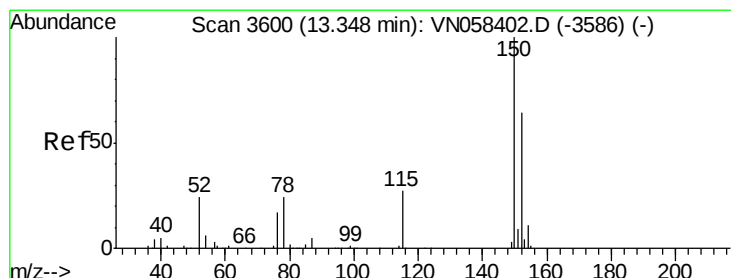
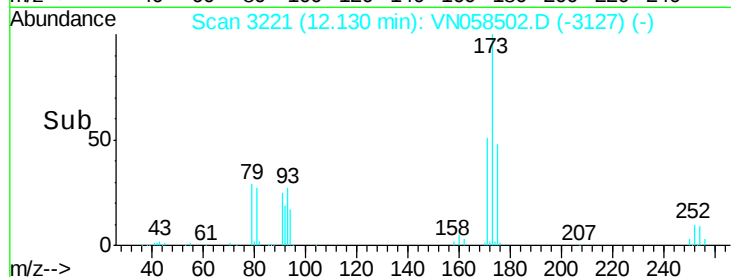
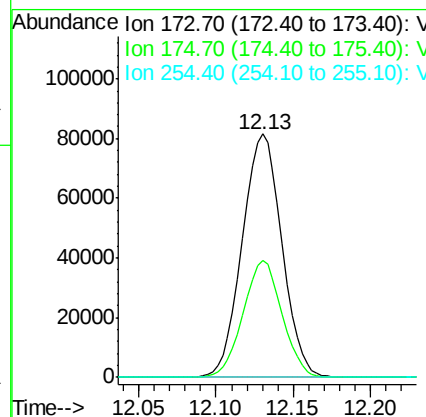
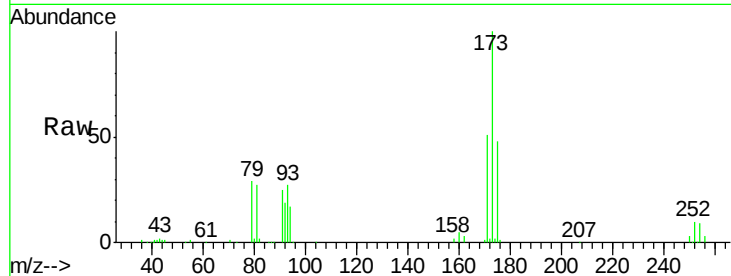
#71
Bromoform
Concen: 56.415 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.3	73.0
254	0.0	0.1	0.1#

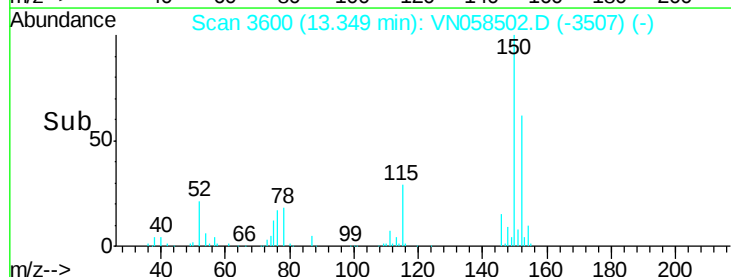
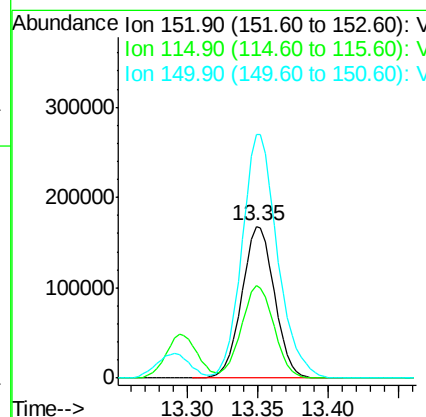
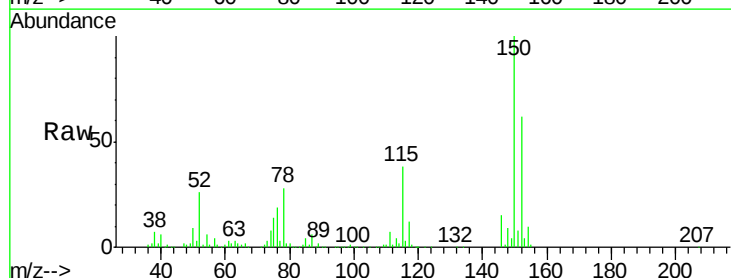
Manual Integrations
APPROVED

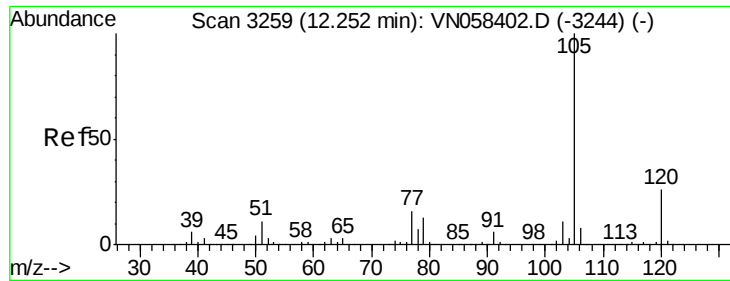
MMDadoda
10/4/2019 9:30:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.0	90.0
150	174.3	0.0	348.2





#73

Isopropylbenzene

Concen: 53.905 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1085504

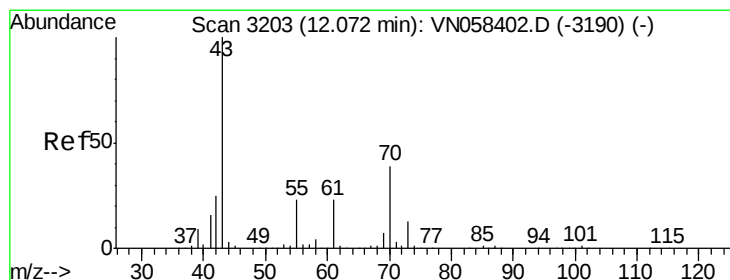
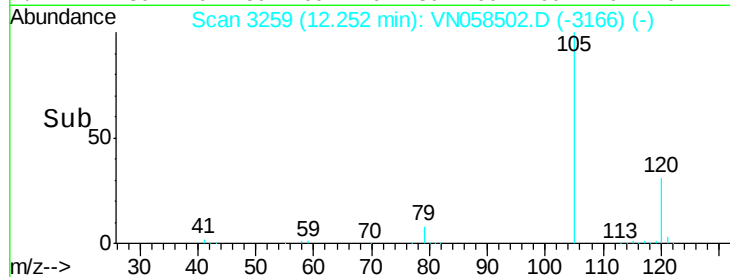
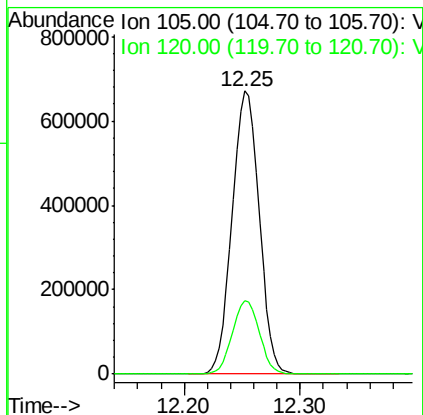
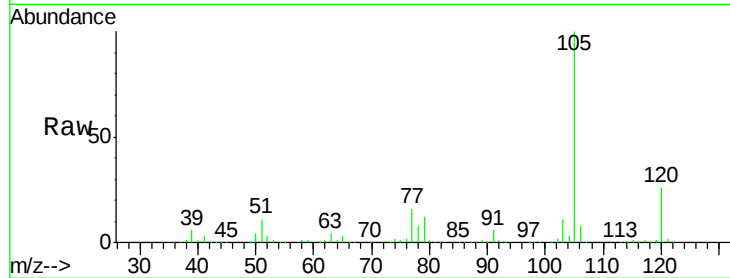
Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#74

N-ethyl acetate

Concen: 53.869 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion: 43 Resp: 431553

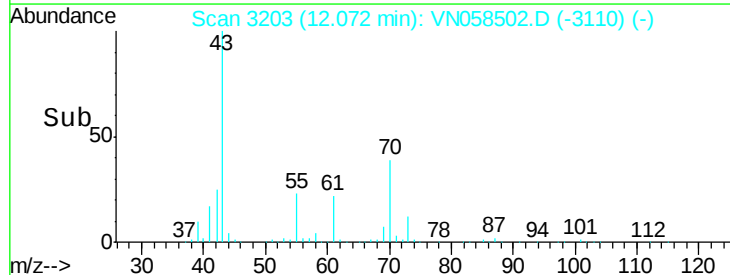
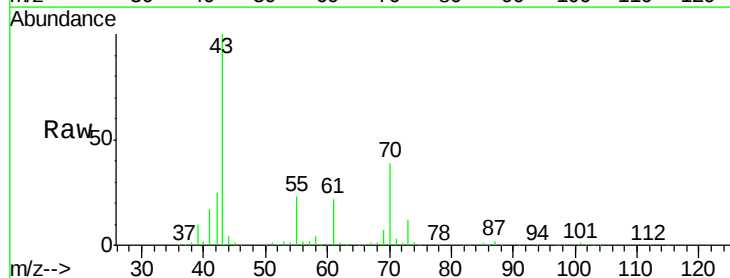
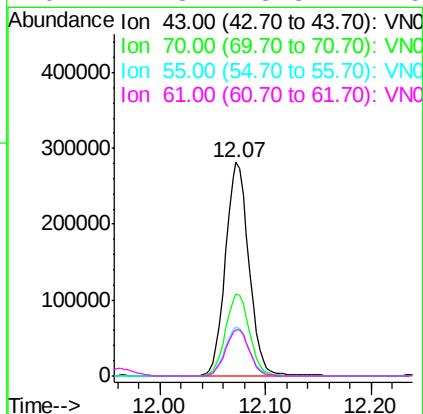
Ion Ratio Lower Upper

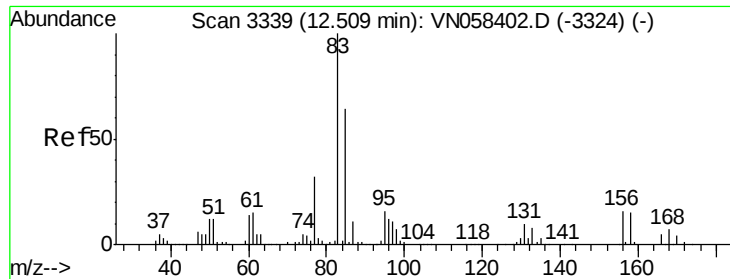
43 100

70 39.3 31.4 47.2

55 23.8 18.2 27.4

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.011 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

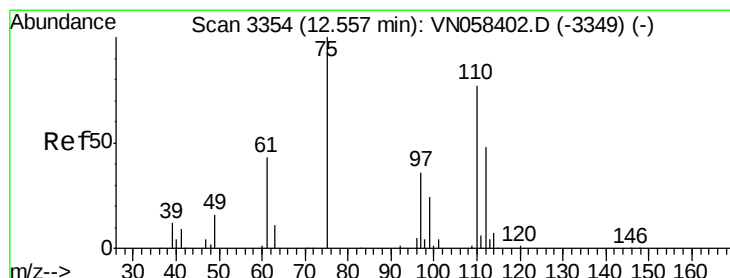
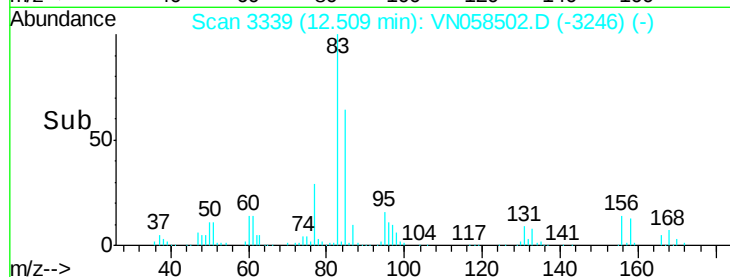
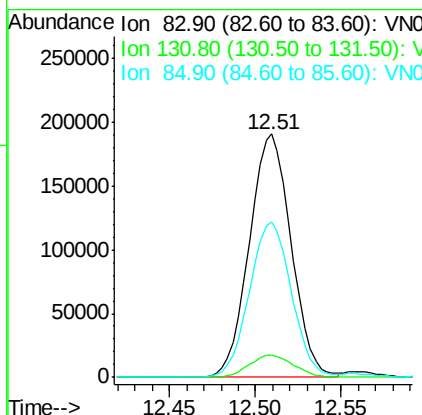
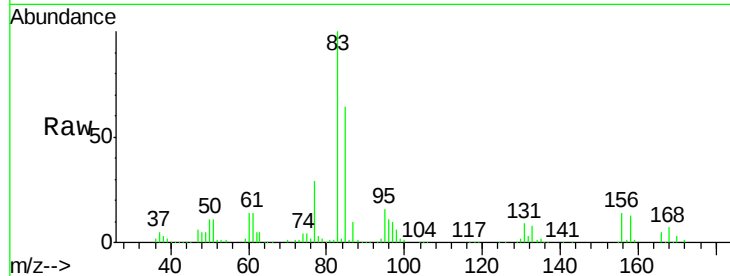
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	321616
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.7
85	63.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#76

1,2,3-Trichloropropane

Concen: 55.992 ug/l m

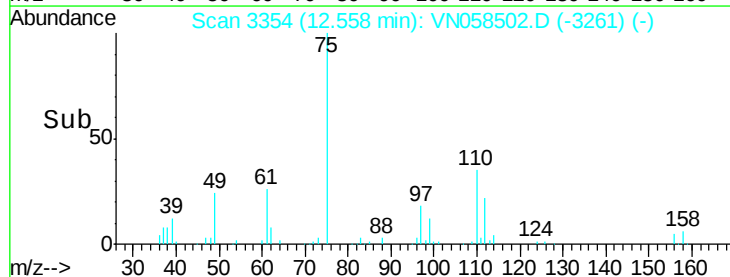
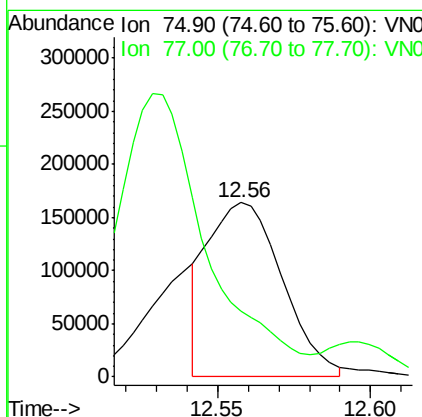
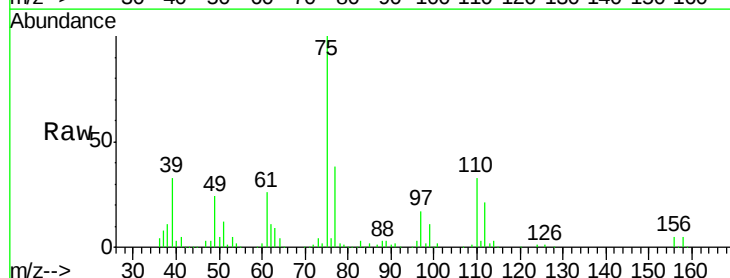
RT: 12.56 min Scan# 3354

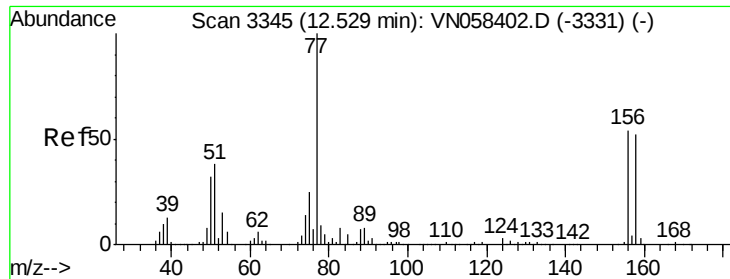
Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	75	Resp:	278670
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.759 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

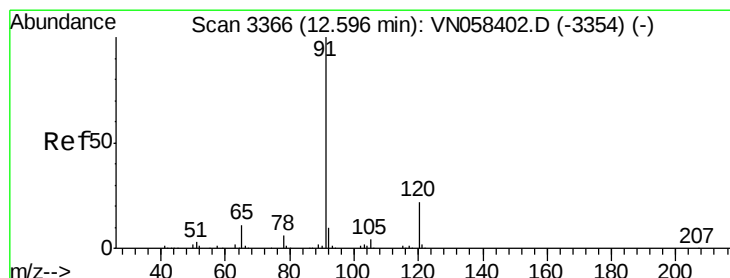
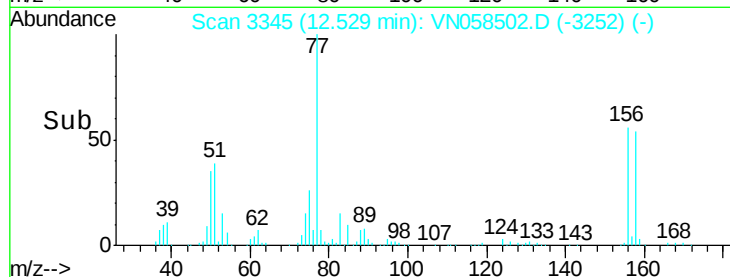
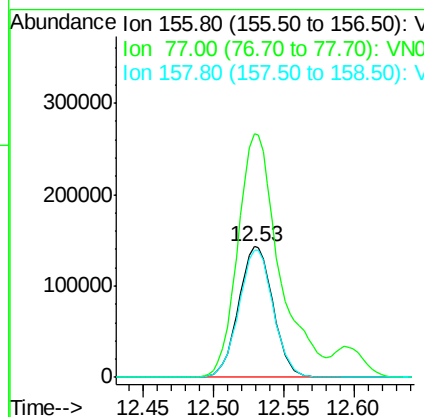
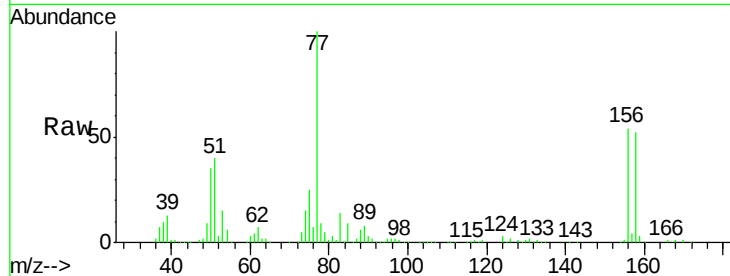
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
244391	156	100		
330.0	77	224.9	110.0	
143.8	158	97.6	47.9	

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#78

n-propylbenzene

Concen: 56.722 ug/l

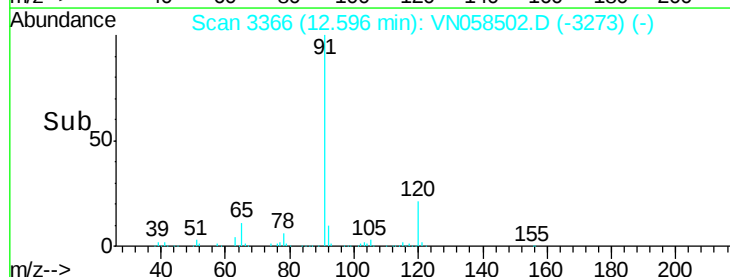
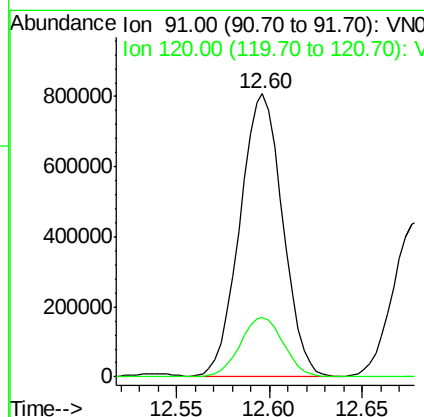
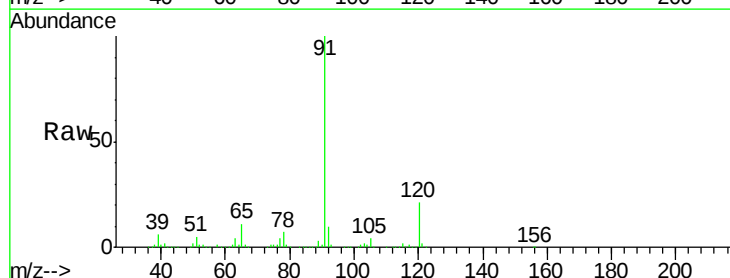
RT: 12.60 min Scan# 3366

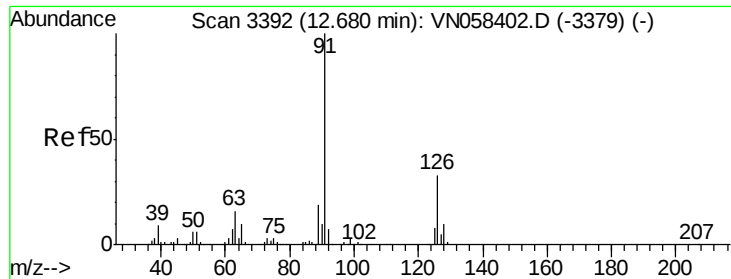
Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
1286842	91	100		
32.9	120	21.4	10.9	





#79

2-Chlorotoluene

Concen: 53.767 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 752901

Ion Ratio Lower Upper

91 100

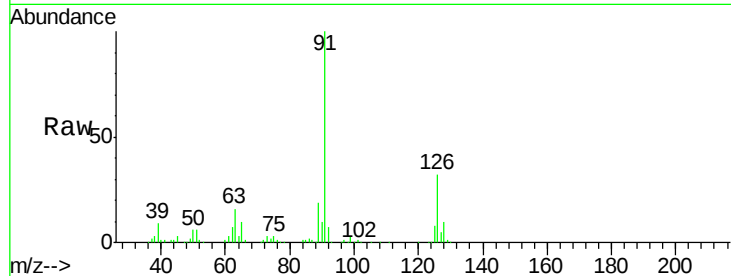
126 31.8 16.2 48.6

Manual Integrations

APPROVED

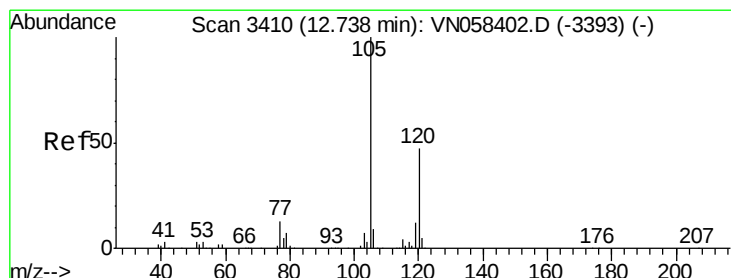
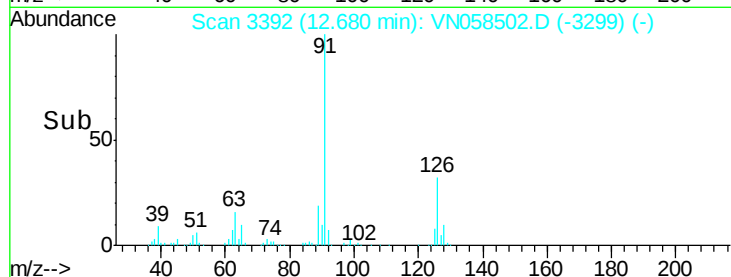
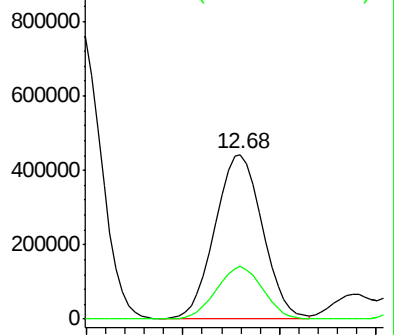
MMDadoda

10/4/2019 9:30:04 AM



Abundance Ion 91.00 (90.70 to 91.70): VN058502.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058502.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.204 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058502.D

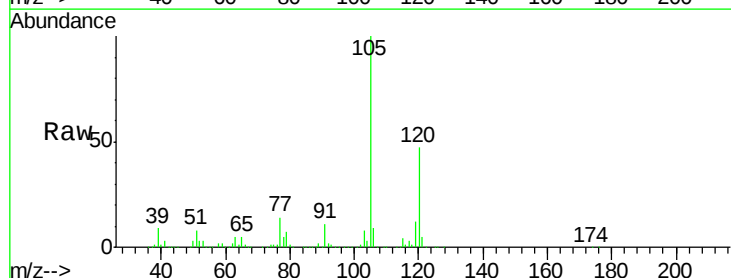
Acq: 3 Oct 2019 12:15

Tgt Ion: 105 Resp: 930565

Ion Ratio Lower Upper

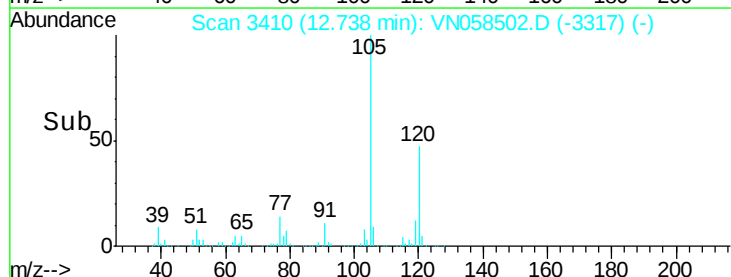
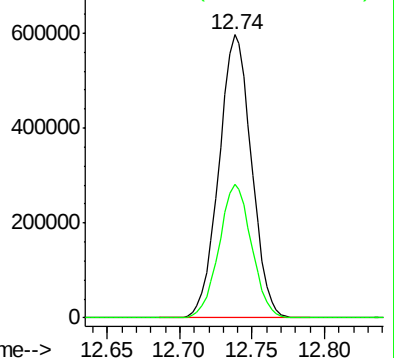
105 100

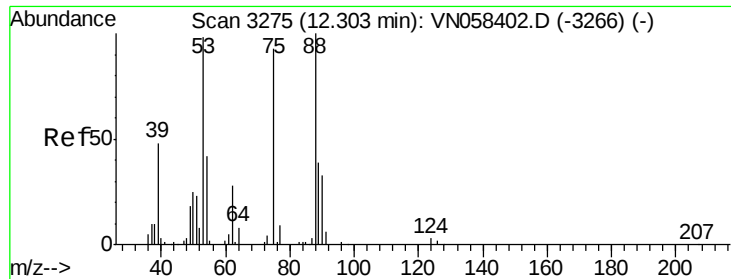
120 47.2 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058502.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058502.D (-3317) (-)





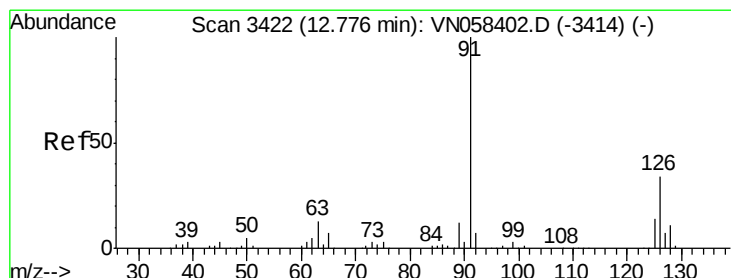
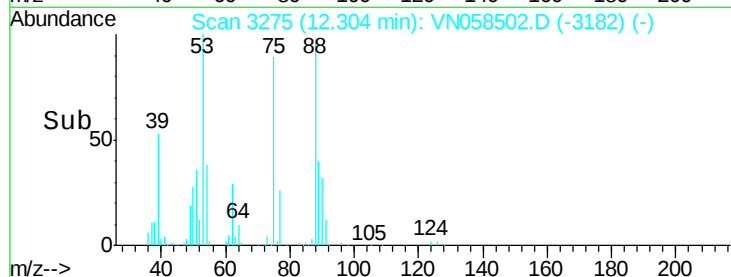
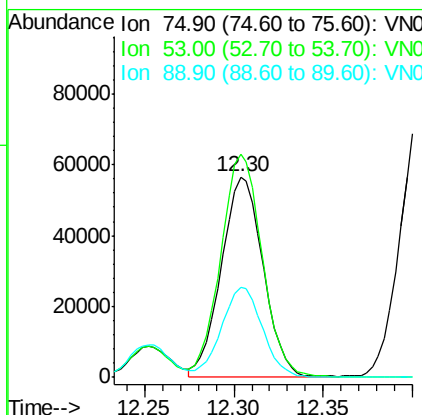
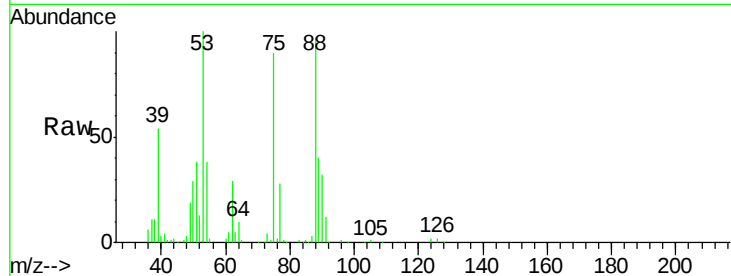
#81
trans-1,4-Dichloro-2-butene
Concen: 56.531 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	110.6	85.4	128.0
89	44.2	35.0	52.4

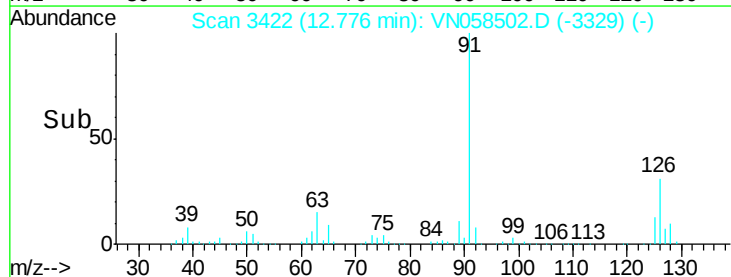
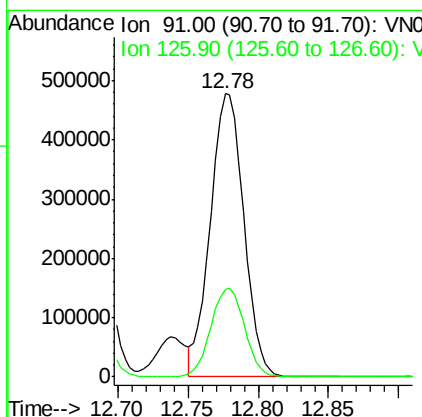
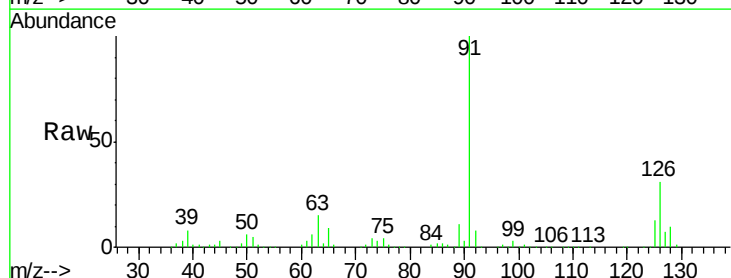
Manual Integrations
APPROVED

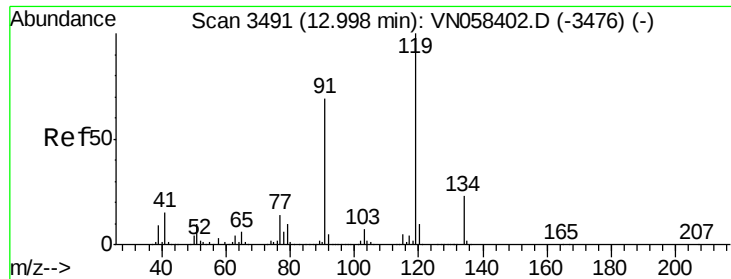
MMDadoda
10/4/2019 9:30:04 AM



#82
4-Chlorotoluene
Concen: 54.927 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.9	47.7





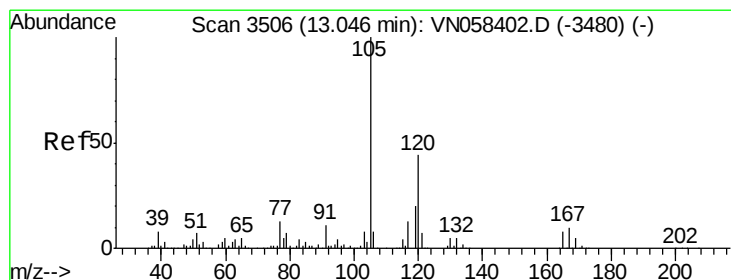
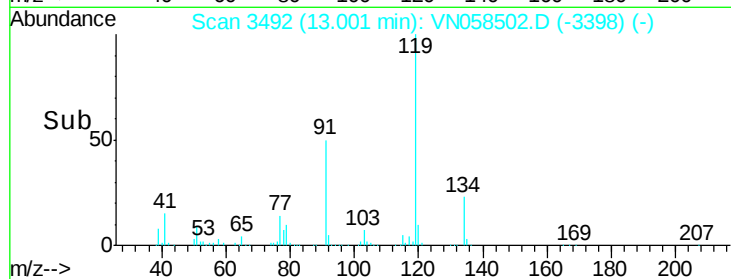
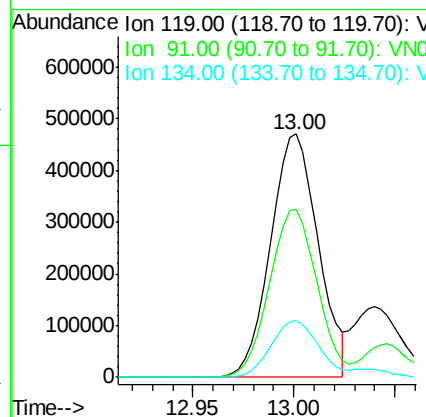
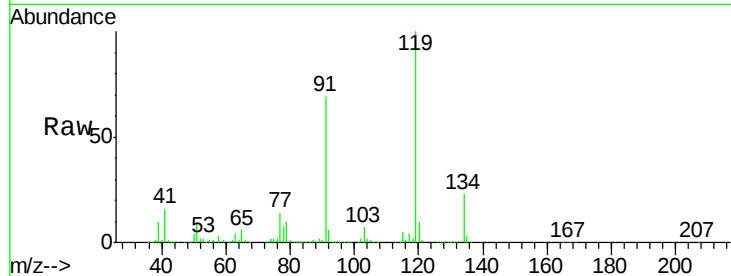
#83
tert-Butylbenzene
Concen: 54.212 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.2	102.6
134	23.4	11.6	34.8

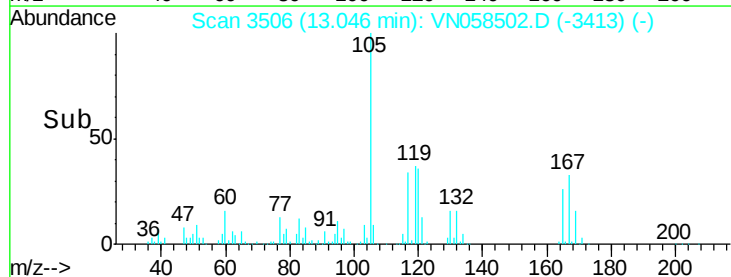
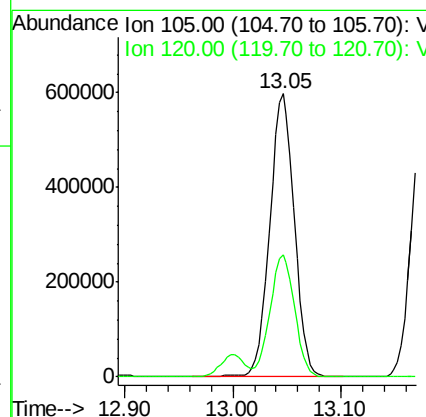
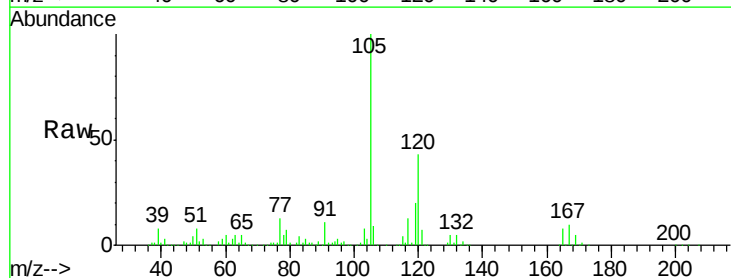
Manual Integrations
APPROVED

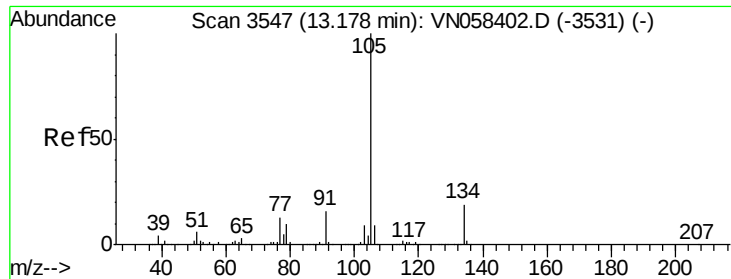
MMDadoda
10/4/2019 9:30:04 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.750 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	21.7	65.1





#85

sec-Butylbenzene

Concen: 57.284 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1072467

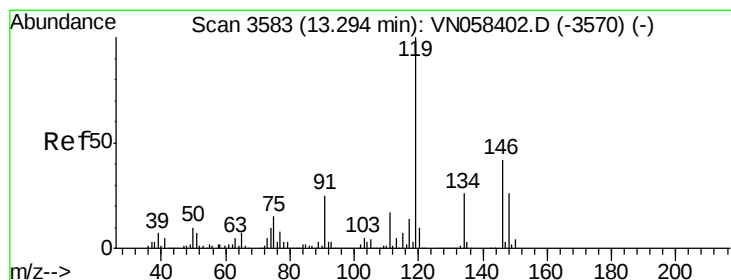
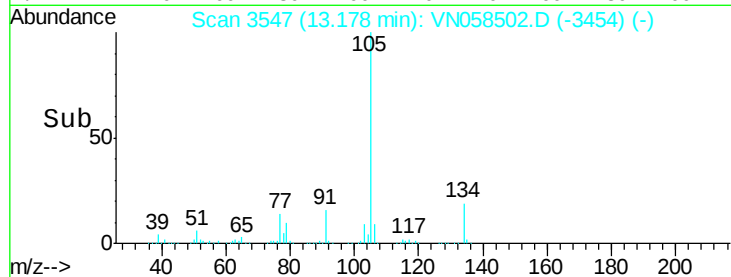
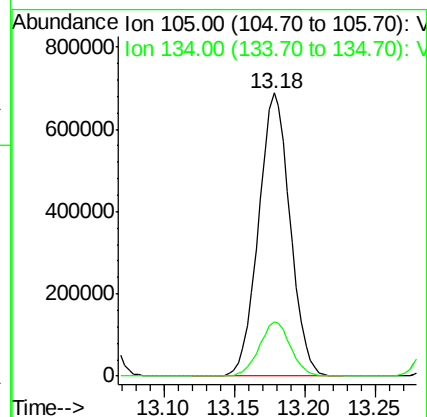
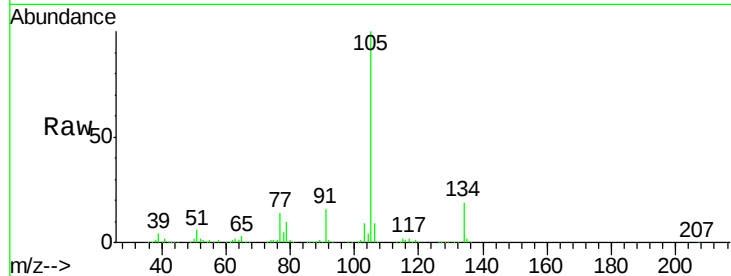
Ion Ratio Lower Upper

105 100

134 19.0 9.4 28.2

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#86

p-Isopropyltoluene

Concen: 59.085 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

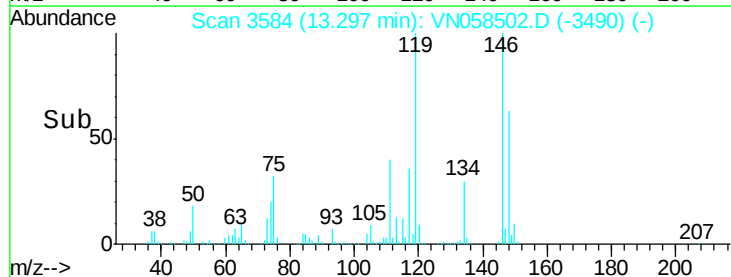
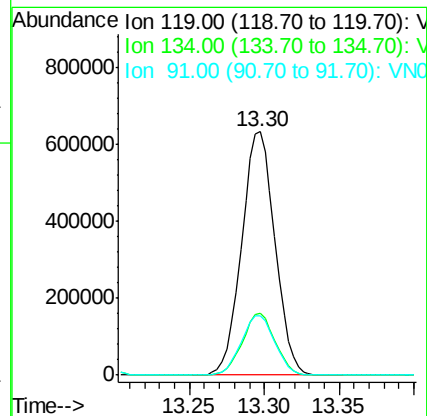
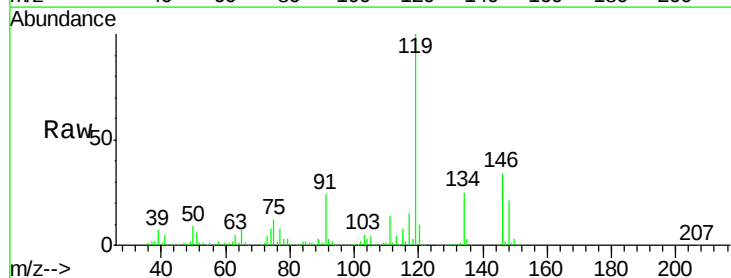
Tgt Ion:119 Resp: 973712

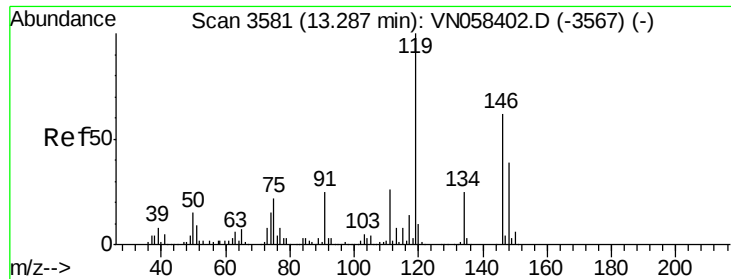
Ion Ratio Lower Upper

119 100

134 25.1 13.0 39.0

91 25.0 12.4 37.0





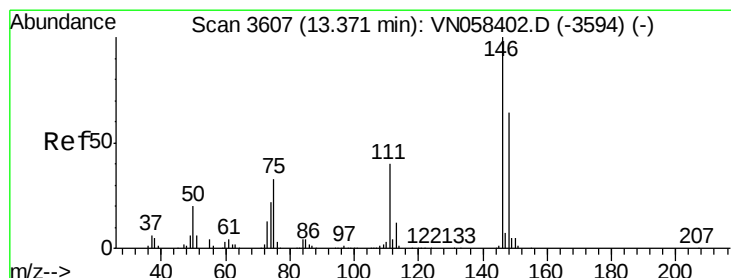
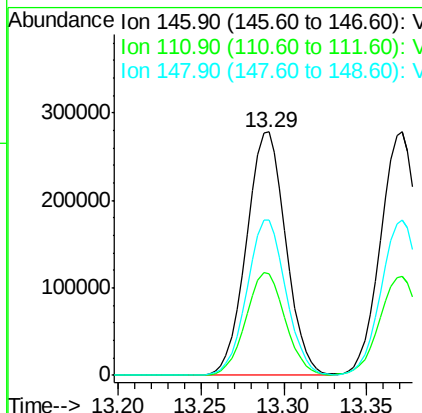
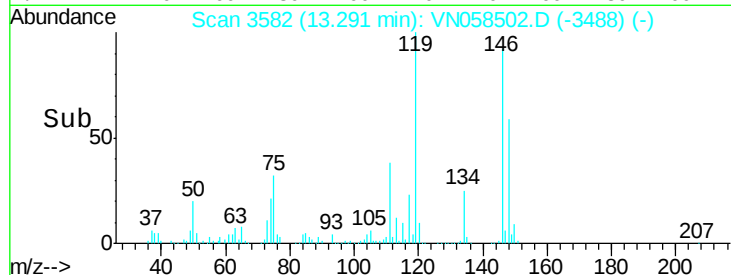
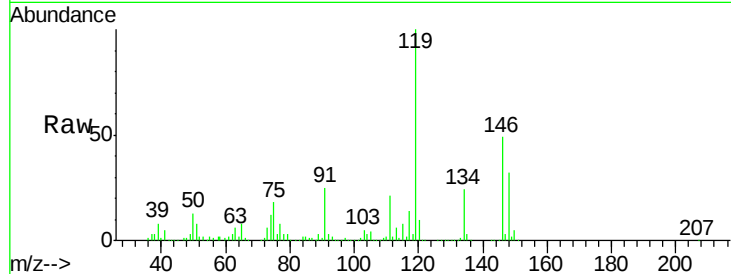
#87
 1,3-Dichlorobenzene
 Concen: 53.819 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	460785		
111	41.9	20.8	62.4	
148	63.2	31.4	94.3	

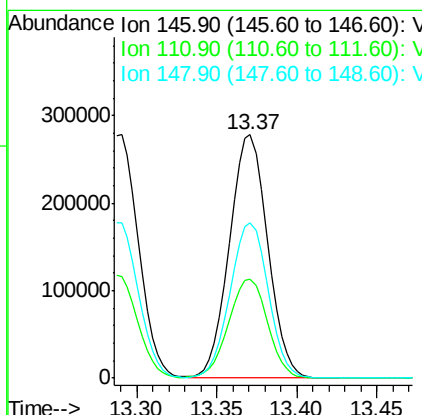
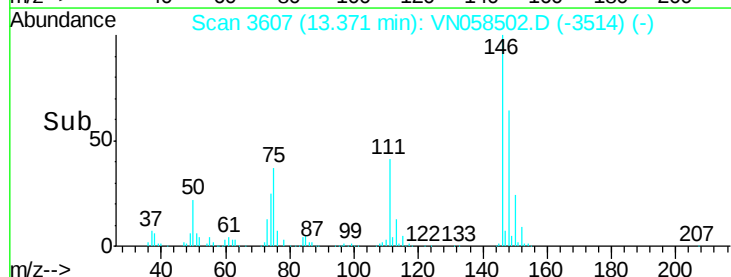
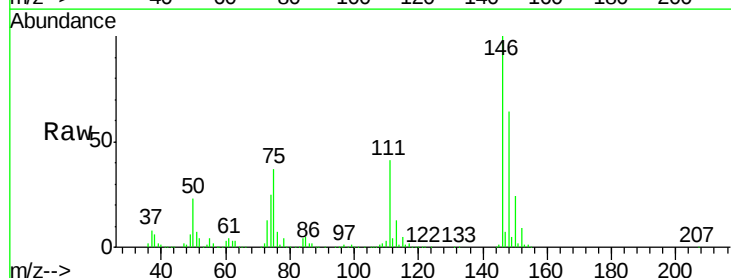
Manual Integrations
 APPROVED

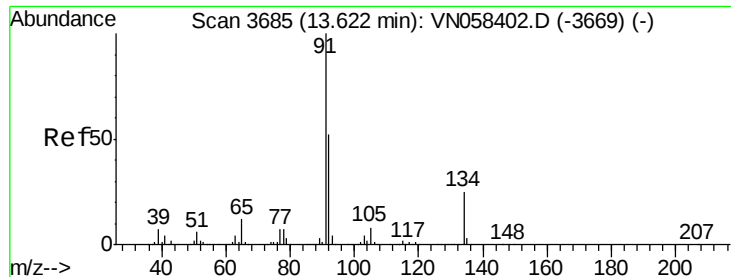
MMDadoda
 10/4/2019 9:30:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 53.002 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	451491		
111	41.6	20.5	61.6	
148	64.3	31.5	94.5	





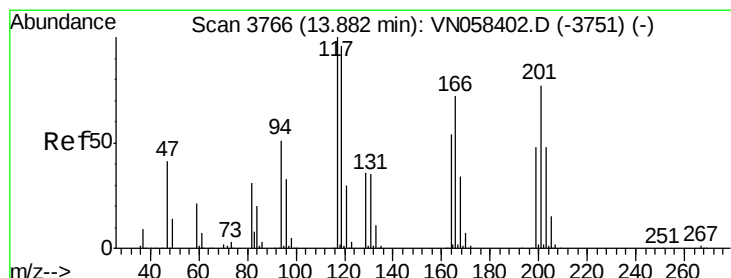
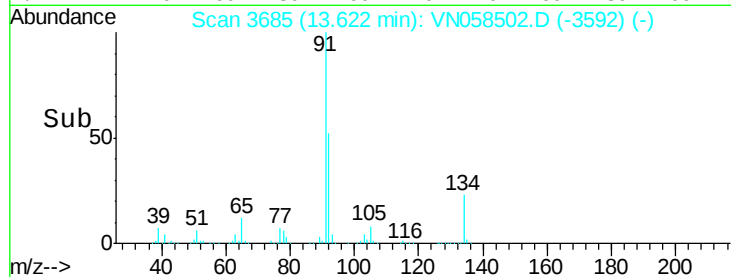
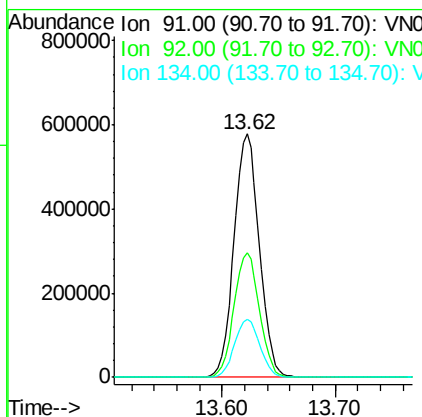
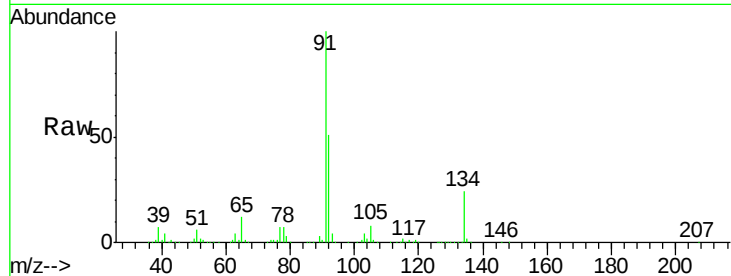
#89
n-Butylbenzene
Concen: 60.229 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.1
134	24.0	12.2	36.6

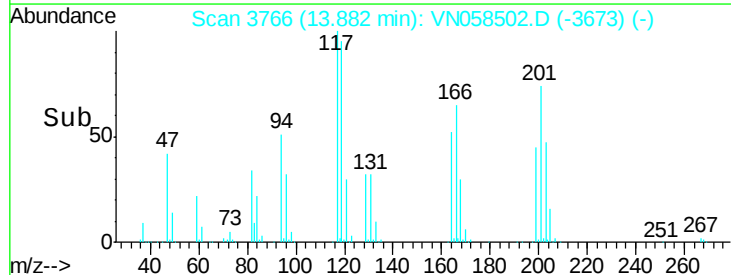
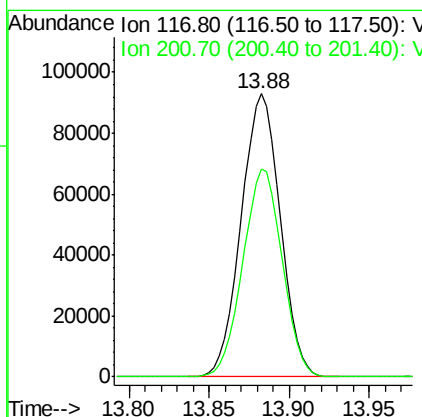
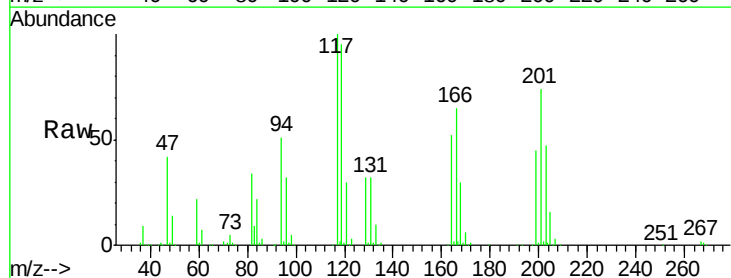
Manual Integrations
APPROVED

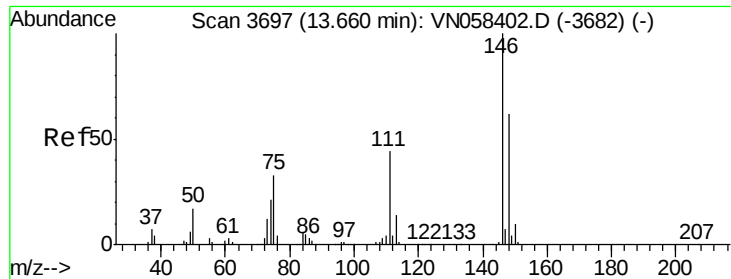
MMDadoda
10/4/2019 9:30:04 AM



#90
Hexachloroethane
Concen: 62.725 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058502.D
Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.9	38.6	116.0





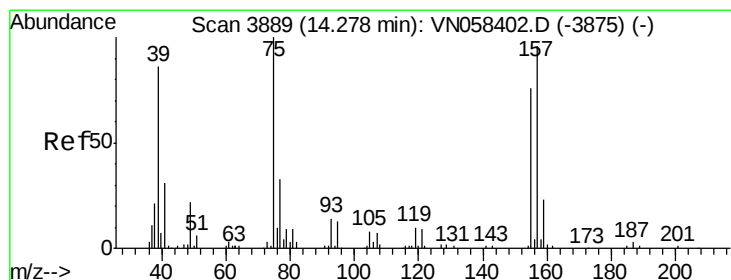
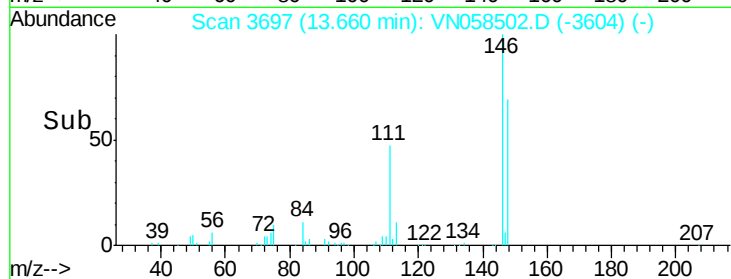
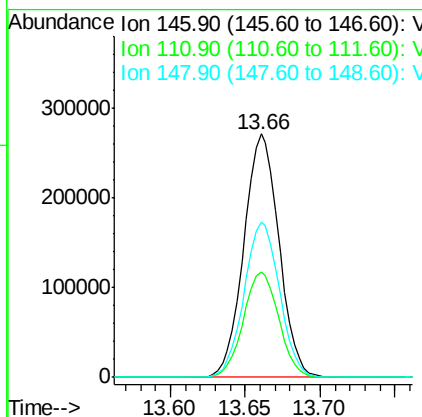
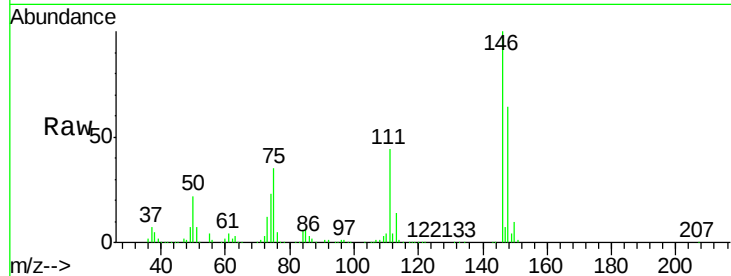
#91
 1,2-Dichlorobenzene
 Concen: 54.071 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	64.3	31.5	94.5

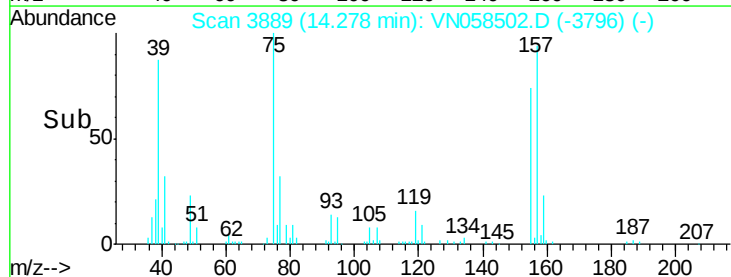
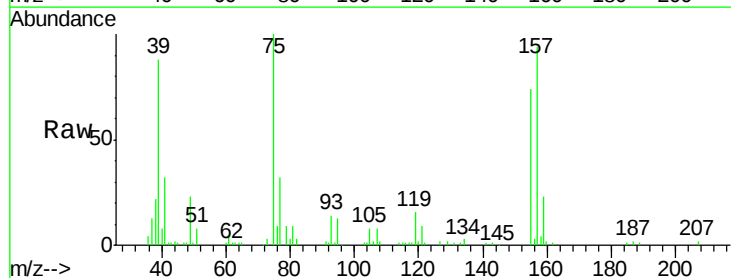
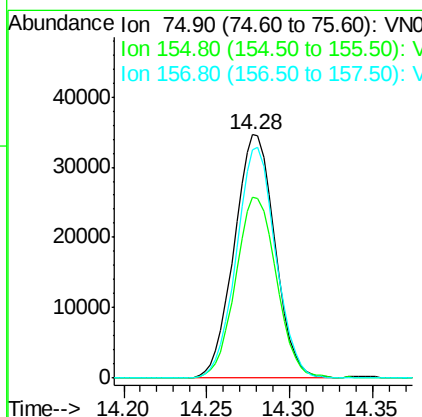
Manual Integrations
 APPROVED

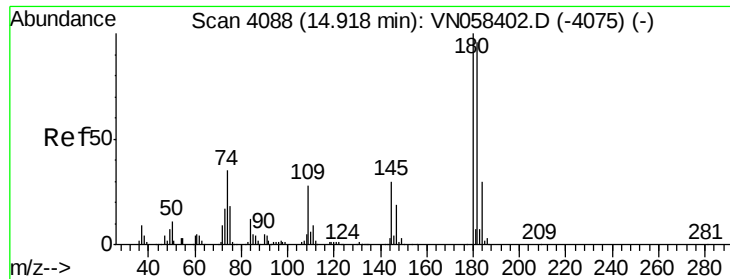
MMDadoda
 10/4/2019 9:30:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.176 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.5	39.2	117.6
157	91.5	48.7	146.1





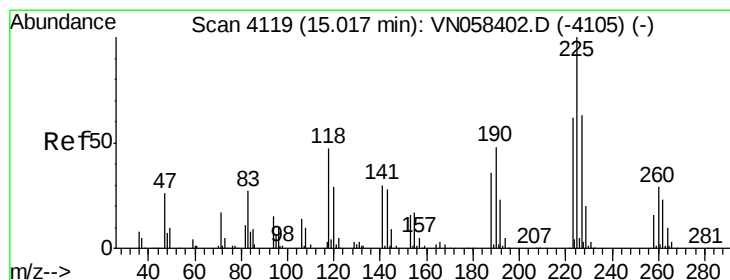
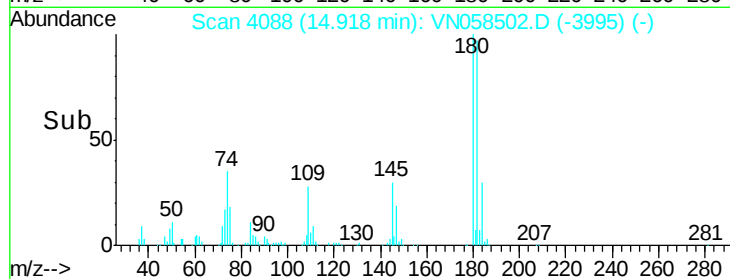
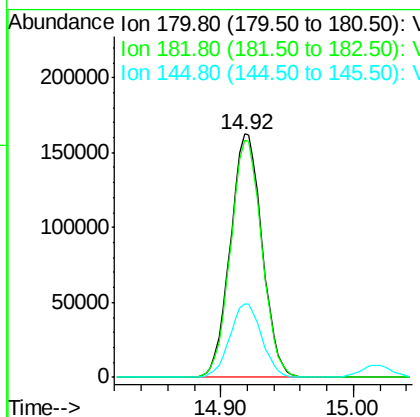
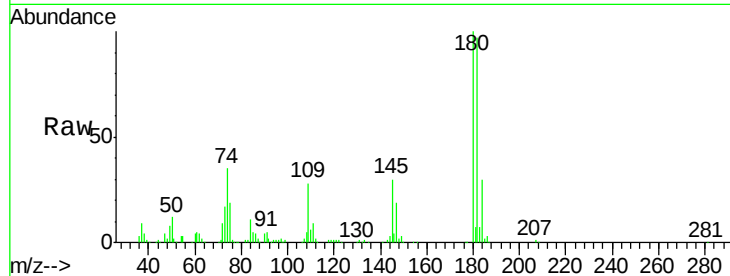
#93
 1,2,4-Trichlorobenzene
 Concen: 59.359 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	269838		
182	96.5	47.4	142.3	
145	30.3	15.3	45.9	

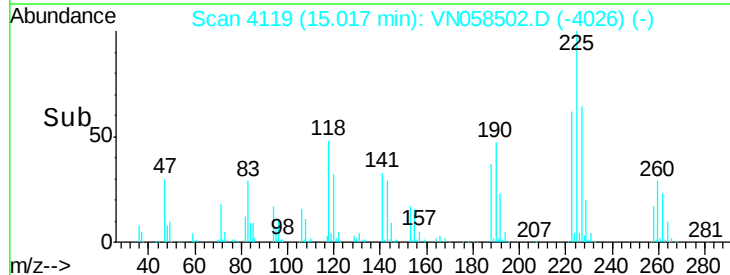
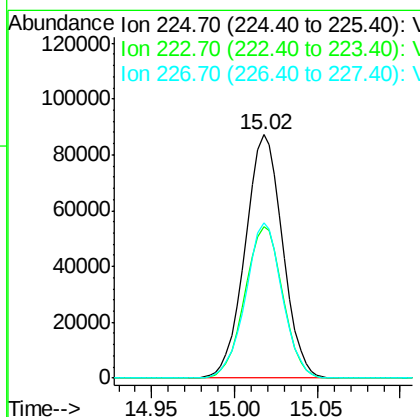
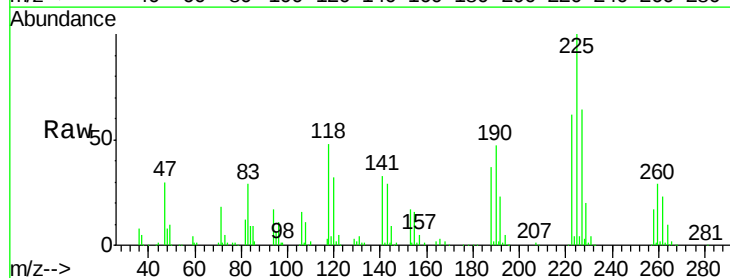
Manual Integrations
 APPROVED

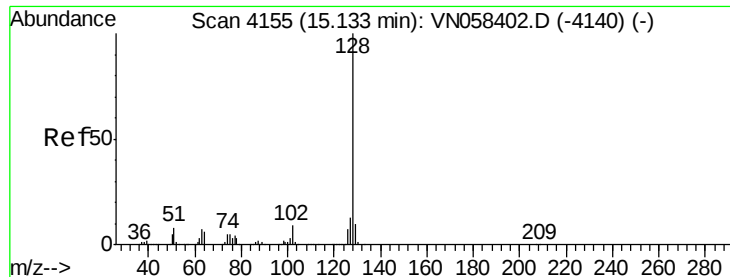
MMDadoda
 10/4/2019 9:30:04 AM



#94
 Hexachlorobutadiene
 Concen: 58.638 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058502.D
 Acq: 3 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137009		
223	62.9	31.1	93.5	
227	62.3	31.4	94.2	





#95

Naphthalene

Concen: 53.809 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Instrument :

MSVOA_N

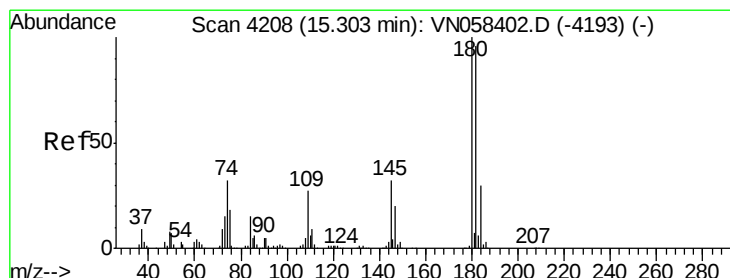
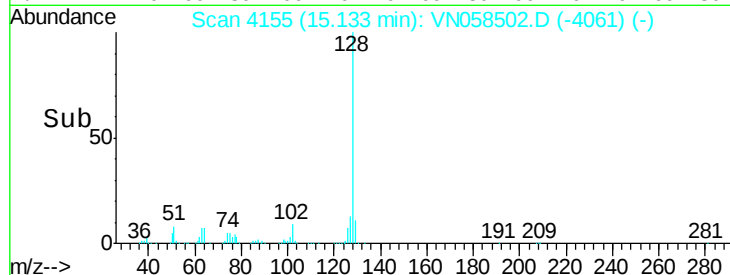
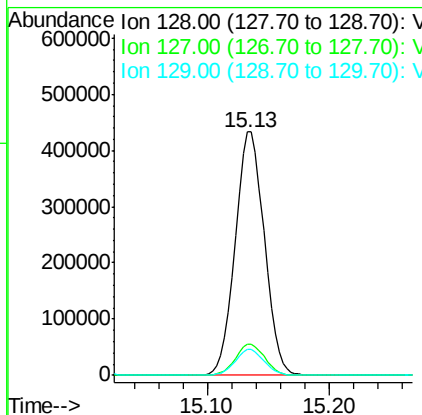
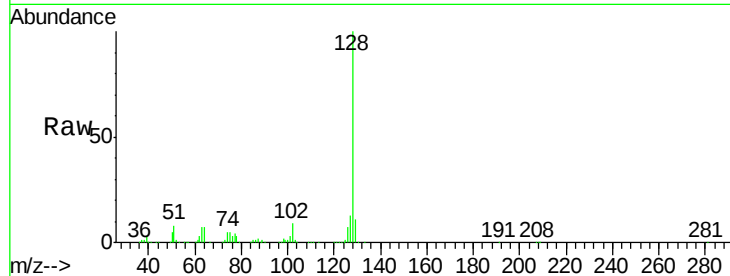
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	716322
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/4/2019 9:30:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 57.028 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058502.D

Acq: 3 Oct 2019 12:15

Tgt Ion:	180	Resp:	259891
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.3	144.9
145	31.7	16.1	48.3

